

NOTICE OF PUBLIC MEETING

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT BOARD OF DIRECTORS

JUNE 8, 2017 8:30 A.M.

CLARK COUNTY COMMISSION CHAMBERS 500 SOUTH GRAND CENTRAL PARKWAY LAS VEGAS, NV 89155

**FOR ADDITIONAL INFORMATION CONTACT:

DEANNA HUGHES, BOARD SECRETARY 600 SOUTH GRAND CENTRAL PARKWAY, SUITE 300 LAS VEGAS, NEVADA 89106 (702) 685-0000

TT/TDD: Relay Nevada toll free (800) 326-6868

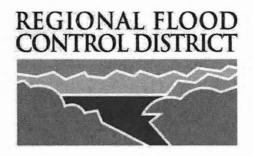
This meeting has been properly noticed and posted at the following locations:

Clark County Regional Flood Control District	Clark County Regional Flood Control District
600 South Grand Central Parkway	Worldwide Website
• • • • • • • • • • • • • • • • • • •	
Las Vegas, Nevada 89106	www.regionalflood.org
Clark County Government Center	City of Boulder City
500 South Grand Central Parkway	401 California
Las Vegas, Nevada 89155	Boulder City, Nevada 89024
Las vegas, revada 67155	Bodider City, Nevada 89024
City of Henderson	City of Las Vegas
240 Water Street	495 S. Main Street
Henderson, Nevada 89015	Las Vegas, Nevada 89101
City of Mesquite	City of North Las Vegas
10 East Mesquite Boulevard	2250 Las Vegas Boulevard North Ste. 800
Mesquite, Nevada 89027	North Las Vegas, Nevada 89030
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The Notice, Agenda, and Agenda Full-Backup have	The Notice has been posted on the State of Nevada
been posted on the District's Website at	Public Notice Website at https://notice.nv.gov/
www.regionalflood.org	

Supporting material available upon request.

1. Comments By the General Public

This is a period devoted to comments by the general public about items on **this** agenda. If you wish to speak to the Regional Flood Control District Board of Directors about items within its jurisdiction but not appearing on this agenda, you must wait until the "Comments By the General Public" period listed at the end of this agenda. Comments will be limited to three minutes. Please step up to the speaker's podium, clearly state your name and address and please **spell** your last name for the record. If any member of the Regional Flood Control District Board of Directors wishes to extend the length of a presentation, this will be done by the Chairman, or the Regional Flood Control District Board of Directors by majority vote.



AGENDA CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT BOARD OF DIRECTORS JUNE 8, 2017 8:30 A.M.

- Items on the agenda may be taken out of order.
- The Regional Flood Control District Board of Directors may combine two or more agenda items for consideration.
- The Regional Flood Control District Board of Directors may remove an item from the agenda or delay discussion relating to an item on the agenda at any time.

I. Call to Order

1. Comments By the General Public

This is a period devoted to comments by the general public about items on this agenda. If you wish to speak to the Regional Flood Control District Board of Directors about items within its jurisdiction but not appearing on this agenda, you must wait until the "Comments By the General Public" period listed at the end of this agenda. Comments will be limited to three minutes. Please step up to the speaker's podium, clearly state your name and address and please spell your last name for the record. If any member of the Regional Flood Control District Board of Directors wishes to extend the length of a presentation, this will be done by the Chairman, or the Regional Flood Control District Board of Directors by majority vote.

- 2. Action to approve the agenda with deletion of any items (For possible action)
- 3. Action to approve the minutes of the May 18, 2017 meeting (For possible action)
- 4. Discuss General Manager's Monthly Report
- II. ***Consent Agenda Items #05 through #18 are considered by the Regional Flood Control District to be routine and may be acted upon in one motion. However, the Board of Directors may discuss any consent item individually if requested by a Board member or a citizen when the consent agenda is considered for approval. Items considered for approval include the staff recommendation.

Administration

- 5. Action to accept the financial reports (For possible action)
- 6. Action to adopt amendments to the Ten Year Construction Program (For possible action)
- 7. Action to accept the Quarterly Project Status Reports reporting period February 2017 through April 2017 (For possible action)
- 8. Action to approve and authorize the Chairman to sign the budgets, plans and interlocal contracts for the Fiscal Year 2017-18 Maintenance Work Program as submitted by the entities (*For possible action*)
- 9. Action to approve and authorize the General Manager to sign the Joint Funding Agreement with U.S. Geological Survey for collection of rainfall and streamflow data FY 2017-18 (For possible action)
- 10. Action to approve and authorize the Chairman to sign the interlocal agreement with KCLV-Channel 2 for videotaping and editing of six Flood Channel television shows (For possible action)
- 11. Action to approve and authorize expenditures up to \$378,000 as approved in the FY 2017-18 budget for the operations and maintenance of the RFCD/RTC Administration Building (*For possible action*)
- 12. Action to approve, adopt, and authorize the Chairman to sign Resolution No. 17-2 for donation of surplus computers and peripherals to the Clark County Public Education Foundation and/or The Blind Center of Nevada; and authorize the General Manager or his designee to sign the Transfer of Property Agreement for the period July 1, 2017 through June 30, 2018, or take other action as deemed appropriate (*For possible action*)
- 13. Action to approve, adopt, and authorize the Chairman to sign Resolution No. 17-3 for donation of empty toner cartridges and non-functioning cellular telephones and associated equipment to the Habitat for Humanity Las Vegas for the period July 1, 2017 through June 30, 2018, or take other action deemed appropriate (For possible action)
- 14. Action to authorize the General Manager/Chief Engineer to issue a request for proposals from interested and qualified engineering firms, select a consultant and negotiate a professional services contract to provide consulting and laboratory

services for compliance with the valley-wide National Pollutant Discharge Elimination System Permit (For possible action)

- 15. Action to approve, adopt and authorize the Chairman to sign Resolution No 17-4 for the purpose of establishing board committed fund balance for other postemployment benefits (*For possible action*)
- 16. Action to approve and authorize the General Manager to sign the consultant contract with the University of Nevada, Las Vegas to conduct a research project to investigate impacts of lateral flows to main line channel facilities throughout Clark County (*For possible action*)

Design and Construction

- 17. Action to approve and authorize the Chairman to sign the eighth supplemental interlocal contract for design to extend the project completion date for Brooks Channel City of North Las Vegas (For possible action)
- 18. Action to approve and authorize the Chairman to sign the fourth supplemental interlocal contract for design to increase funding and extend the project completion date for Las Vegas Wash Sloan Channel to Bonanza Road and Flamingo Wash below Nellis Boulevard Clark County (For possible action)

*** End of Consent Agenda

III. Discussion Items

Administration

19. Action to approve a proclamation that July 2017 be proclaimed "Flash Flood Awareness Month" and that all residents and visitors be urged to make themselves aware of the dangers of flash flooding in order to take the necessary precautions in preventing the loss of property (*For possible action*)

Design and Construction

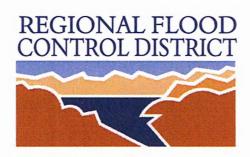
20. Action to adopt the Prioritization of Projects, Ten-Year Construction Program and Fiscal Year 2017-18 Project List (*For possible action*)

21. Comments By the General Public

A period devoted to comments by the general public about matters relevant to the Regional Flood Control District Board of Directors jurisdiction will be held. No

vote may be taken on a matter not listed on the posted agenda. Comments will be limited to three minutes. Please step up to the speaker's podium, clearly state your name and address and please **spell** your last name for the record. If any member of the Regional Flood Control District Board of Directors wishes to extend the length of a presentation, this will be done by the Chairman, or the Regional Flood Control District Board of Directors by majority vote.

All comments by speakers should be relevant to the Regional Flood Control District Board of Directors action and jurisdiction.



Steven C. Parrish, P.E. General Manager/Chief Engineer

BOARD OF DIRECTORS

Lawrence L. Brown, III

Chairman Clark County

Debra March Vice-Chairman City of Henderson

David Ballweg
City of Mesquite

Chris Giunchigliani Clark County

Mayor Carolyn Goodman City of Las Vegas

> Mayor John J. Lee City of North Las Vegas

Dr. Lois Tarkanian City of Las Vegas

Mayor Rodney Woodbury City of Boulder City MEMORANDUM JUNE 8, 2017

TO:

BOARD OF DIRECTORS

FROM:

STEVEN C. PARRISH, P.E.

GENERAL MANAGER/CHIEF ENGINEER

DATE:

May 31, 2017

I. Call to Order

1. Comments By the General Public

This is a period devoted to comments by the general public about items on **this** agenda. If you wish to speak to the Regional Flood Control District Board of Directors about items within its jurisdiction but not appearing on this agenda, you must wait until the "Comments By the General Public" period listed at the end of this agenda. Comments will be limited to three minutes. Please step up to the speaker's podium, clearly state your name and address and please **spell** your last name for the record. If any member of the Regional Flood Control District Board of Directors wishes to extend the length of a presentation, this will be done by the Chairman, or the Regional Flood Control District Board of Directors by majority vote.

2. Action to approve the agenda with deletion of any items (For possible action)

The agenda is in order for approval.

3. Action to approve the minutes of the May 18, 2017 meeting (For possible action)

The minutes for the May 18, 2017 meeting are in order for approval.

4. Discuss General Manager's Monthly Report Receive the report.



Memorandum Clark County Regional Flood Control District Board of Directors Meeting of June 8, 2017 Page 2 of 11

II. ***Consent Agenda – Items #05 through #18 are considered by the Regional Flood Control District to be routine and may be acted upon in one motion. However, the Board of Directors may discuss any consent item individually if requested by a Board member or a citizen when the consent agenda is considered for approval. Items considered for approval include the staff recommendation.

Administration

- 5. Action to accept the financial reports (For possible action)
 The financial reports are in order for acceptance.
- 6. Action to adopt amendments to the Ten Year Construction Program (For possible action)

In accordance with Policies and Procedures Section II.B.9 general amendments can be processed to address scheduling changes and/or the need for additional funding. This agenda item addresses requested changes in funding, positive and negative, associated with this agenda as they impact the Ten Year Construction Program (TYCP). Staff, TAC and CAC recommend approval.

7. Action to accept the Quarterly Project Status Reports – reporting period February 2017 through April 2017 (For possible action)

The reports are in order for acceptance.

8. Action to approve and authorize the Chairman to sign the budgets, plans and interlocal contracts for the Fiscal Year 2017-18 Maintenance Work Program as submitted by the entities (For possible action)

Staff requested that each of the entities prepare their fiscal year 2017-18 Maintenance Work Program (MWP) plan and budget, and submit the interlocal contracts for approval by the Board. The interlocal contracts, along with an itemized listing of the facilities identified in each work plan have been submitted to the District for review and approval.

Upon approval, the interlocal contracts will become effective July 1, 2017 and expire June 30, 2018. Requested funding amounts will be available July 1, 2017. At the end of fiscal year 2017-18, the remaining unencumbered balances for each entity may be



Memorandum Clark County Regional Flood Control District Board of Directors Meeting of June 8, 2017 Page 3 of 11

reprogrammed for the MWP in subsequent fiscal years. Staff, TAC and CAC recommend approval.

9. Action to approve and authorize the General Manager to sign the Joint Funding Agreement with U.S. Geological Survey for collection of rainfall and streamflow data – FY 2017-18 (For possible action)

The District's Joint Funding Agreement with the U.S. Geological Survey (USGS) for the collection of precipitation and streamflow data in Clark County expires on June 30, 2017. The collection of precipitation and streamflow data is an integral part of the District's flood threat recognition program. The proposed Agreement extends the District's relationship with the USGS through Fiscal Year 2017-18.

This Agreement provides for the operation and maintenance of eight stations. These field stations and equipment are fully compatible with the District's data collection/flood monitoring program.

A copy of the Agreement is included in the backup. The budget for FY 2017-18 includes sufficient funds for this program.

Staff recommends approval to authorize the General Manager to sign the Agreement.

10. Action to approve and authorize the Chairman to sign the interlocal agreement with KCLV-Channel 2 for videotaping and editing of six Flood Channel television shows (For possible action)

The District has negotiated an Interlocal Agreement with the City of Las Vegas, KCLV-Channel 2, to provide videotaping and editing of The Flood Channel television program that airs on government access cable stations. The agreement will include up to five shows focusing on construction of flood control projects, flood safety and stormwater quality. The remaining show will combine segments from the previous year as a "Best Of" episode. This agreement is from July 1, 2017 through June 30, 2018.

KCLV-TV2 will perform the following services for the District:

- video tape and edit up to six television shows;
- store the District's video tape library;



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- coordinate with the District for show production and direction, scheduling videographer and editing equipment; and
- provide supplemental services which may include videotaping of storm and/or special events.

The above outline is an example of the services that will be performed as part of the television show video taping and editing in coordination with the District.

The FY 2017-2018 budget identifies sufficient funding for this Interlocal Agreement. The Interlocal Agreement has been reviewed by the District Attorney. Staff and CAC recommend approval.

11. Action to approve and authorize expenditures up to \$378,000 as approved in the FY 2017-18 budget for the operations and maintenance of the RFCD/RTC Administration Building (For possible action)

On February 9, 1995, the Board approved a lease agreement between Clark County, Regional Transportation Commission (RTC), and the District to lease land at the Government Center site for the RFCD/RTC Administration Building. On April 13, 1995, RTC and the District entered into an agreement (as amended on October 10, 1996, May 8, 1997, June 12, 1997, and January 8, 1998), to design and construct a joint-use administration building.

On June 10, 1999, the RTC and the District entered into an agreement for the operation and maintenance of the joint-use administration building. The agreement provides for a cost sharing arrangement to cover the operating expense of the building. The RTC pays for the operation of the building and bills the District for a share of the costs. The District is responsible for reimbursing RTC 16.5 percent of the operating expense on an annual basis. The costs will vary from year-to-year based on actual results. The FY 2017-18 budget includes the District's share of the operation and maintenance of the joint-use building. Accordingly, staff requests that the Board approve and authorize the FY 2017-18 expenditure of \$378,000 for the operation and maintenance of the joint-use administration building.



Memorandum Clark County Regional Flood Control District Board of Directors Meeting of June 8, 2017 Page 5 of 11

Staff recommends approval and authorize the FY 2017-18 expenditure of \$378,000 for the operation and maintenance of the joint-use administration building.

12. Action to approve, adopt, and authorize the Chairman to sign Resolution No. 17-2 for donation of surplus computers and peripherals to the Clark County Public Education Foundation and/or The Blind Center of Nevada; and authorize the General Manager or his designee to sign the Transfer of Property Agreement for the period July 1, 2017 through June 30, 2018, or take other action as deemed appropriate (For possible action)

In accordance with NRS Chapter 543.400, the Clark County Regional Flood Control District may donate commodities, supplies, materials and equipment that the Board determines to have reached the end of their useful lives to various nonprofit organizations. The donations may be used for any purpose which shall provide a substantial benefit to the inhabitants of Clark County.

Throughout the year, the District identifies various computers and peripherals that have reached the end of their useful life for the agency and are designated as surplus property.

Donation of the surplus computers and peripherals to the Clark County Public Education Foundation will allow the equipment to be used by public schools throughout Clark County. Donation of the surplus computers and peripherals to The Blind Center of Nevada will offer opportunities for the visually impaired to acquire skills necessary to enhance or develop a career.

Staff recommends approval to adopt and authorize the Chairman to sign Resolution No. 17-2 for donation of surplus computers and peripherals to the Clark County Public Education Foundation and/or the Blind Center of Nevada; and authorize the General Manager or his designee to sign the Transfer of Property Agreement for the period of July 1, 2017 through June 30, 2018, or take other action as appropriate.

13. Action to approve, adopt, and authorize the Chairman to sign Resolution No. 17-3 for donation of empty toner cartridges and non-functioning cellular telephones and associated equipment to the Habitat for Humanity Las Vegas for the period July 1, 2017



Memorandum Clark County Regional Flood Control District Board of Directors Meeting of June 8, 2017 Page 6 of 11

through June 30, 2018, or take other action deemed appropriate (For possible action)

In accordance with NRS Chapter 244.1505 in conjunction with NRS Chapter 543.400, the Clark County Regional Flood Control District may donate commodities, supplies, materials and equipment that the Board determines to have reached the end of their useful lives to various nonprofit organizations. The donations may be used for any purpose which shall provide a substantial benefit to the inhabitants of Clark County.

Throughout the year, the District identifies empty toner cartridges and non-functioning cellular telephones and associated equipment as no longer of any use to the Clark County Regional Flood Control District or any other governmental agency.

Donation of these items will assist Habitat for Humanity Las Vegas, a nonprofit organization, to help eliminate poverty housing in the Las Vegas area.

Staff recommends approval to adopt, and authorize the Chairman to sign Resolution No. 17-3 for donation of empty toner cartridges and non-functioning cellular telephones and associated equipment to Habitat for Humanity Las Vegas for the period of July 1, 2017 through June 30, 2018, or take other action as appropriate.

14. Action to authorize the General Manager/Chief Engineer to issue a request for proposals from interested and qualified engineering firms, select a consultant and negotiate a professional services contract to provide consulting and laboratory services for compliance with the valley-wide National Pollutant Discharge Elimination System Permit (For possible

Since 1990, the cities of Henderson, Las Vegas and North Las Vegas; Clark County; and the District (Permittees) have administered a National Pollutant Discharge Elimination System (NPDES) stormwater quality permit issued by the State of Nevada, Division of Environmental Protection (NDEP). The permit establishes conditions designed to identify sources of pollution and promote the reduction of pollutants in stormwater discharges. The current permit expired on February 8, 2015 and was administratively extended by NDEP until a new permit can be issued.



Memorandum Clark County Regional Flood Control District Board of Directors Meeting of June 8, 2017 Page 7 of 11

Since 1991, the District has contracted with an outside consultant to provide permit compliance services including stormwater sampling, laboratory analysis, reporting, and permit negotiation and program development. At this time, the General Manager/Chief Engineer would like to issue a Request for Proposals, select a consultant and negotiate a professional services contract to provide consulting and laboratory services for compliance with the valley-wide NPDES stormwater permit and program. The contract will have a duration of five years with an option to extend on an annual basis for up to five additional years.

The District's FY 2017/2018 budget includes an appropriation for this work. Included in the backup for review is a project description and Request for Proposals prepared by staff.

Staff, TAC and CAC recommend the Board approve and authorize the General Manager/Chief Engineer to issue a Request for Proposals, select a consultant and negotiate a professional services contract to provide consulting and laboratory services for compliance with the valley-wide NPDES stormwater permit and program.

15. Action to approve, adopt and authorize the Chairman to sign Resolution No.17-4 for the purpose of establishing board committed fund balance for other post-employment benefits (For possible action)

The Clark County Regional Flood Control District (the "District") has provided funds which has been administered by Clark County for other post-employment benefits ("OPEB") for District employees. Clark County has requested that the District administer their own fund for OPEB.

The District pays approximately 90 percent of premiums for active employee coverage. Retirees in the Self-Funded Plan receive no direct subsidy from the District. The difference between the true claims cost and the blended premium is an implicit rate subsidy that creates an OPEB cost for the District.

Clark County issued the District a check in the amount of \$1,119,458.53, which was deposited in the District's Operating Fund – Fund 2860. The District's Financial Statements for fiscal year ending June 30, 2016 reflect these OPEB funds as assigned.



Memorandum Clark County Regional Flood Control District Board of Directors Meeting of June 8, 2017 Page 8 of 11

To address the implications of Governmental Accounting Standards Board ("GASB") Statement Number 54 ("GASB 54"), Fund Balance Reporting and Governmental Fund Definitions, which establishes a hierarchy clarifying the constraints that govern how a government entity can use amounts reported as fund balance, the District is recommending that funds previously set aside for OPEB in the amount of \$1,119,458.53 along with additional funds for the fiscal year ending 2017, in the aggregate amount not to exceed \$1,319,458.53 are hereby established as a committed fund balance of Fund 2860, for the sole purpose of OPEB use. This committed amount cannot be used for any other purpose unless the Clark County Regional Flood Control District Board of Directors (the "Board") removes or changes the specific use through the same type of formal action taken to establish the commitment.

Staff recommends that the Board approve, adopt and authorize the Chairman to sign Resolution No. 17-4.

16. Action to approve and authorize the General Manager to sign the consultant contract with the University of Nevada, Las Vegas to conduct a research project to investigate impacts of lateral flows to main line channel facilities throughout Clark County (For possible action)

The Regional Flood Control District's (District) current practice requires tributaries to the District's flood control channels to enter at small angles to avoid disrupting flow in the main channel and impacting channel capacity. These small angles are costly to construct and their value is questionable.

The District has negotiated a Consultant Contract with the UNLV to conduct a research project to investigate impacts of lateral flows to main line channel facilities throughout Clark County for multiple flow ratios and entry angles. The research period covered in the Contract is June 1, 2017 through May 31, 2018. The District intends to use the research obtained to update the Hydrologic Criteria and Drainage Design Manual (HCDDM), which is available for public use.

The Fiscal Year 2016-17 budget includes sufficient appropriations for this contract. The District Attorney has reviewed the Contract. Staff, TAC and CAC recommends approval.



Memorandum Clark County Regional Flood Control District Board of Directors Meeting of June 8, 2017 Page 9 of 11

Design and Construction

17. Action to approve and authorize the Chairman to sign the eighth supplemental interlocal contract for design to extend the project completion date for Brooks Channel – City of North Las Vegas (For possible action)

The City of North Las Vegas has submitted a request to approve an eighth supplemental interlocal contract for design engineering, right-of-way, environmental mitigation and a CLOMR/LOMR to extend the project completion date from June 30, 2017 to June 30, 2018 for the Brooks Channel project.

Due to delays in project closeout activities, the City wishes to extend the term of the contract.

The District Attorney has reviewed the contract. Staff, TAC and CAC recommends approval.

18. Action to approve and authorize the Chairman to sign the fourth supplemental interlocal contract for design to increase funding and extend the project completion date for Las Vegas Wash – Sloan Channel to Bonanza Road and Flamingo Wash below Nellis Boulevard – Clark County (For possible action)

Clark County has submitted a request to approve a fourth supplemental interlocal contract for design engineering, right-of-way, environmental mitigation, preconstruction services and a CLOMR/LOMR to increase funding in the amount of \$500,000 and extend the project completion date from June 30, 2017 to Jun 30, 2020 for the Las Vegas Wash – Sloan Channel to Bonanza Road and Flamingo Wash below Nellis Boulevard project.

The project is still under construction so the County is requesting additional design funding to cover in -house labor billings.

The District Attorney has reviewed the contract. Staff, TAC and CAC recommend approval subject to approval of the Ten Year Construction Program Amendment item on this agenda

*** End of Consent Agenda



Memorandum Clark County Regional Flood Control District Board of Directors Meeting of June 8, 2017 Page 10 of 11

III. Discussion Items

Administration

19. Action to approve a proclamation that July 2017 be proclaimed "Flash Flood Awareness Month" and that all residents and visitors be urged to make themselves aware of the dangers of flash flooding in order to take the necessary precautions in preventing the loss of property (For possible action)

While flash flooding can occur in any month, rain during the months of July, August, and September have the greatest potential to produce flash floods in our area. Proclaiming July as Flash Flood Awareness Month will help heighten awareness of the potential for flash flooding in advance of flash flood season.

The District's Flash Flood Awareness public information effort is a year-round program with heightened emphasis during the summer flood-prone season. District staff will explain segments of this year's campaign that includes outdoor advertising (billboards); radio, television, interactive and print ads; and the FloodSpot app. Additionally, District staff are making presentations about flash flood safety to school children and community groups throughout the year and use a variety of social media platforms to engage the public around this critical issue.

The designation of July as Flash Flood Awareness Month provides an opportunity to disseminate important flood safety information to the public when it is most relevant. The flood safety message encourages all residents and visitors to become aware of the dangers of flash flooding and to take the necessary precautions to prevent the loss of life and property in a flood event. A news conference will be held during the third week of June to kick off flash flood season and provide background information to the media.

Staff and CAC recommend that the proclamation be approved at the Board meeting.



Memorandum Clark County Regional Flood Control District Board of Directors Meeting of June 8, 2017 Page 11 of 11

Design and Construction

20. Action to adopt the Prioritization of Projects, Ten-Year Construction Program and Fiscal Year 2017-18 Project List (For possible action)

The Ten-Year Construction Program (TYCP) and Fiscal Year Project List are required to be updated annually. On June 9, 2016, the Board approved the Prioritization of Projects, Ten-Year Construction Program, and Fiscal Year 2016-2017 Project List.

Total estimated new resources for the FY 2017-18 TYCP are \$868,580,713, which is a one percent increase from estimated resources for the FY 2016-17 TYCP of \$858,957,837. In addition to using sales tax revenues to fund projects, the District uses debt financing to expedite the construction of projects. In fiscal year 2019-20, \$200 million in bonds are programmed and in fiscal year 2024-25, \$175 million are programmed. Total estimated resources including unencumbered resources from previous years for the FY 2017-18 TYCP are \$900,864,909 million, which is \$680,906 less than the total estimated resources for the FY 2016-17 TYCP of \$901,545,815 million. Year-1 resources for FY 2017-18 are approximately \$87.9 million.

Staff, TAC and CAC recommend that the Board adopt the Prioritization of Projects, Ten-Year Construction Program and Fiscal Year 2017-18 Project List.

21. Comments By the General Public

Respectfully submitted,

Steven C. Parrish, P.E.

General Manager/Chief Engineer

MINUTES CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT **BOARD OF DIRECTORS**

MAY 18, 2017 8:30 A.M.

These minutes are prepared in compliance with NRS 241.035. Text is in summarized rather than verbatim format. For complete contents. please refer to meeting tapes on file at the Regional Flood Control District.

MEETING NOTICES:

Public Notices of this meeting were properly posted by Sherry Allen of the Regional Flood Control District in the following locations: Boulder City City Hall, Clark County Government Center, Henderson City Hall, Las Vegas City Hall, Mesquite City Hall, North Las Vegas City Hall, Clark County Regional Flood Control District Offices and the Clark County Regional Flood Control District Worldwide Website (www.regionalflood.org) and the State

of Nevada Public Notice Website (https://notice.nv.gov/).

MEMBERS PRESENT: Lawrence L. Brown, III, Chairman, Clark County

Mayor Elect Debra March, Vice Chair, City of Henderson

Chris Giunchigliani, Clark County Dr. Lois Tarkanian, City of Las Vegas John J. Lee, City of North Las Vegas Rodney S. Woodbury, City of Boulder City

David Ballweg, City of Mesquite

MEMBERS EXCUSED: Carolyn G. Goodman, City of Las Vegas

STAFF: Steven C. Parrish, General Manager/Chief Engineer

Andrew Trelease, Assistant General Manager

Christopher Figgins, Chief Deputy District Attorney

Todd Myers, Engineering Director

Jeanine Pitts-Dilworth, Administrative Services Director

Erin Neff, Public Information Manager Abigail Mayrena, Principal Civil Engineer Ching C. Wang, Senior Civil Engineer Debra Yamachika, Associate Engineer Deanna Hughes, Senior Management Analyst

Jessica Butte, Management Analyst II

Michael Todd, RFCD Systems Administrator

Lillie Collins, Programmer Analyst II

Beatriz Martinez, Public Information Coordinator Geraldine Cruz, Senior Financial Office Specialist

Sherry Allen, Senior Office Specialist Elizabeth Bacani, Office Specialist

I. Call to Order

Commissioner Brown called the meeting to order at 8:34 a.m. in the Clark County Board of County Commissioners Chambers, 500 S. Grand Central Parkway.

1. Comments By the General Public

There was no response to the call for Comments By the General Public.

2. Action to approve the agenda with deletion of any items (For possible action)

Upon a motion by Mayor Elect March, the agenda was approved.

VOTE: 5 AYES – 0 NAYS

3. Action to approve the minutes of the April 13, 2017 meeting (For possible action)

Upon a motion by Mayor Elect March, the minutes of the April 13, 2017 meeting were approved.

VOTE: 5 AYES – 0 NAYS

***Dr. Tarkanian arrived at 8:35 a.m.

***Commissioner Giunchigliani arrived at 8:36 a.m.

4. Discuss General Manager's Monthly Report

Mr. Parrish stated there were no projects completed over the last month and only two items to discuss here. The first project under construction is the Muddy River Logandale Levee. This is a levee project that is protecting areas in the Northern portion of the Moapa Valley. It is about 3,000 feet of earthen levee with a concrete slope protection. This project began in February 2017 with a scheduled completion date of July 2017. It is about 30 percent complete and is progressing well. This project costs almost \$7 million dollars. The other project is the Pittman North Detention Basin - Outfall – Starr Avenue in Henderson. It is a portion of the Outfall project that will be constructed for the Pittman North Detention Basin in the near future. This project consists of about 1,100 feet of double 8 x 8 feet high box culverts. It also began in February 2017 and the estimated completion will be in September 2017. It is approximately 30 percent complete. This project is being done in conjunction with the Regional Transportation Commission road project Starr Avenue.

II. ***Consent Agenda – Items #05 through #12 are considered by the Regional Flood Control District to be routine and may be acted upon in one motion. However, the Board of Directors may discuss any consent item individually if requested by a Board member or a citizen when the consent agenda is considered for approval. Items considered for approval include the staff recommendation.

Administration

- 5. Action to accept the financial reports (For possible action)
- 6. Action to adopt amendments to the Ten Year Construction Program (For possible action)
- 7. Action to approve and authorize the Chairman to sign an interlocal agreement among the City of Henderson, City of Las Vegas, City of North Las Vegas, Clark County, Clark County Regional Flood Control District, Clark County Water Reclamation District and the Southern Nevada Water Authority to establish funding allocations and the budget for the Las Vegas Wash Activities in Fiscal Year 2017-18 (For possible action)
- 8. Action to accept the Maintenance Work Program Third Quarter Status Reports for Fiscal Year 2016-17 as submitted by the entities (*For possible action*)
- 9. Action to approve, adopt and authorize the Chairman to sign Resolution No. 17-1 to augment the FY 2016-17 Regional Flood Control District Fund 2860 budget in the amount of \$2,000,000 (For possible action)

Design and Construction

- 10. Action to approve and authorize the Chairman to sign the third supplemental interlocal contract for design to reallocate funding and extend the project completion date for Muddy River Logandale Levee Clark County (For possible action)
- 11. Action to approve a request to reallocate funding within the interlocal contract for design for Duck Creek at Dean Martin Clark County (For possible action)
- 12. Action to approve and authorize the Chairman to sign the first supplemental interlocal contract for construction to increase funding, change the scope and formally change the name of the project from Centennial Parkway Channel West US95, CC215 to Grand Teton to Centennial Parkway Channel West US95, CC215 to Grand Teton and US95 Crossing at Kyle Canyon Road City of Las Vegas (For possible action)

*** End of Consent Agenda

Upon a motion by Mayor Elect March, the consent agenda was approved.

VOTE: 7 AYES - 0 NAYS

III. Discussion Items

Design and Construction

- 13. Gowan North Buffalo Branch, Lone Mountain to Washburn Road City of Las Vegas (For possible action)
 - a. Action to accept the project presentation

Ms. Jessica Schick, Senior Engineer, WSP | Parsons Brinckerhoff made a project presentation.

Commissioner Brown inquired about the Lone Mountain component; the location being the North or South side of Lone Mountain.

Ms. Schick responded that it would be straight down the center line of Lone Mountain.

Commissioner Brown stated that Leavitt Middle School is located there and is very active. There are numerous assistive devices and after school programs at this school location. If construction is going to begin in October 2017, the Principal needs to be contacted, due to the fact that it may last 18 months and cause a major impact.

Ms. Schick replied that a safe route to school will be maintained during construction as well.

Staff recommends accepting the project presentation.

Mayor Elect March moved for approval.

VOTE: 7 AYES - 0 NAYS

b. Action to approve and authorize the Chairman to sign the interlocal contract for construction and approve a waiver of the design engineering cap

Staff recommends approval.

Mayor Elect March moved for approval of item 13b.

VOTE:

7 AYES - 0 NAYS

14. Comments By the General Public

There was no response to the call for Comments By the General Public.

ADJOURNMENT

The meeting adjourned at 8:41 a.m.

Respectfully submitted,

Steven C. Parrish, P.E.

General Manager/Chief Engineer

Chairman

Deanna Hughes

Board Secretary

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AGENDA ITEM

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GENERAL MANAGER'S MONTHLY REPORT

RECOMMENDATION SUMMARY

STAFF:

Receive the report.

RFCD AGENDA ITEM #04 DATE: 06/08/17

AGENDA ITEM

GENERAL MANAGER'S MONTHLY REPORT

PETITIONER:

SUBJECT:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

DISCUSS GENERAL MANAGER'S MONTHLY REPORT

FISCAL IMPACT:

None.

BACKGROUND:

Discuss the General Manager's monthly report:

- Employee of the Quarter
- Construction project progress

Respectfully submitted,

Steven C. Parrish, P.E.

General Manager/Chief Engineer

RFCD AGENDA

ITEM #04

Date: 06/08/17

060817 GM Report-item

AGENDA ITEM

SUBJECT:

FINANCIAL REPORTS - APRIL 2017

RECOMMENDATION SUMMARY

STAFF:

Accept the reports.

TECHNICAL ADVISORY:

Accept the reports.

CITIZENS ADVISORY:

Accept the reports.

RFCD AGENDA ITEM #05 DATE: 06/08/17

AGENDA ITEM

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FINANCIAL REPORTS – APRIL 2017

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

ACCEPT THE REPORTS (FOR POSSIBLE ACTION)

FISCAL IMPACT: None

BACKGROUND: The financial reports for April 2017, are submitted for your review:

Section	Description	Page(s)
A - Fund 2860	Fund Balance Report	1
	Appropriation Balance Report – FY 2016-17	2
	Sales Tax Revenue Report – FY 2016-17	
	Monthly Expenditure Summary Report	
B - Fund 2870	Fund Balance Report	5
	Maintenance Work Program Monthly Expenditures	6
	Maintenance Work Program Status Report – FY 2017	7-9
C - Fund 3300	Fund Balance Report	10
D - Fund 4430	Fund Balance Report	11
	Monthly Expenditure Report	12-13
E - Fund 4440	Fund Balance Report	14
	Monthly Expenditure Report	

TAC AGENDA	RECD AGENDA
ITEM # 04	ITEM #05
DATE: 05/25/17	DATE: 06/08/17

CAC AGENDA ITEM # 04 DATE: 05/25/17

F - Summary	Pay-As-You Go – Current Project Expense Summary	16-42
	Bond Funded – Current Project Expense Summary	
	Capital Improvement Program – Open Projects Summary	
	Pay-As-You Go CIP – Cumulative Reporting	
	Bond Funded CIP – Cumulative Reporting	
	FY 2016-17 Projects Funded Summary	
	Estimated Funding Schedule	

Respectfully submitted,

Jeanine Pitts-Dilworth

Administrative Services Director

TAC AGENDA ITEM# 04

DATE: 05/25/17

CAC AGENDA ITEM# 04

DATE: 05/25/17

RFCD AGENDA ITEM # 05

DATE: 06/08/17

REGIONAL FLOOD CONTROL DISTRICT FUND 2860 - OPERATING FUND FUND BALANCE REPORT APRIL 2017

BEGINNING CASH BALANCE: Accruals/Adjustments	9,896,456.54 96,129.03	
TOTAL BEGINNING	BALANCE	\$9,992,585.57
REVENUES:		
Sales Tax Revenue	7,405,280.52	
Interest Earnings	8,743.07	
Fund 4430 - Transfer In Interest Earnings	97,918.73	
Build America Bonds Rebate	1,392,668.72	
Sale of Materials	0.00	
Miscellaneous Other Revenue	1,119,458.53	
Petty Cash Reimbursements	0.00	
Miscellaneous Accruals/Adjustments	15,769.51	
TOTAL REVENUES		\$10,039,839.08
EXPENDITURES:		
Salaries & Benefits	(314,135.00)	
Services & Supplies	(35,204.33)	
Professional Services	(115,244.13)	
Capital Expenditures	0.00	
Fund 2870 - Transfer Out Maintenance Work Program	(666,600.00)	
Fund 3300 - Transfer Out Debt Service	(3,307,317.73)	
Fund 4430 - Transfer Out Budgeted Transfers	(3,750,000.00)	
Accruals/Adjustments		
Accounts Payable	41,820.24	
Miscellaneous Accruals/Adjustments	0.00	
TOTAL EXPENSES	-	(\$8,146,680.95)
ENDING CASH BALANCE:	_	\$11,885,743.70

REGIONAL FLOOD CONTROL DISTRICT FUND 2860 - OPERATING FUND APPROPRIATION BALANCE REPORT FISCAL YEAR 2016-17

REVENUES/FINANCING SOURCES

					EN	CUMBRANCE/			
		BUDGET		ACTUAL		ILC		UNREALIZED	% UNREALIZED
Revenues Other Sources TOTAL	\$ \$	100,022,393.00 526,500.00 100,548,893.00	\$ \$	67,238,993.41 914,892.88 68,153,886.29		N/A N/A N/A	\$ \$ \$	32,783,399.59 (388,392.88) 32,395,006.71	33% <u>-74%</u> 32%
EXPENDITURES/TI	RANS	ERS							
					EN	CUMBRANCE/			
		BUDGET		ACTUAL		ILC		AVAILABLE	% AVAILABLE
Expenditures (1) Transfers Out	\$	9,149,088.28	\$	5,281,905.53	\$	1,860,700.86	\$	2,006,481.89	22%
Debt Service	\$	39,672,020.00	\$	36,364,701.43	\$	-	\$	3,307,318.57	8%
MWP	\$	8,000,000.00	\$	5,332,800.00	\$	-	\$	2,667,200,00	33%
CIP (2)	\$	45,000,000.00	\$	30,000,000.00	\$	-	\$	15,000,000.00	33%
TOTAL	\$	101,821,108.28	\$	76,979,406.96	\$	1,860,700.86	\$	22,981,000.46	23%

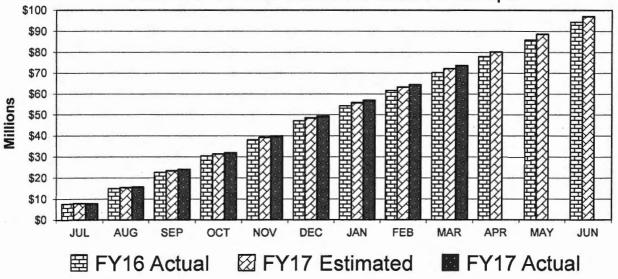
Notes:

 ⁽¹⁾ Expenditure budget may include carry forward budget from prior years.
 (2) Includes Local Drainage program.

SALES TAX REVENUE REPORT REGIONAL FLOOD CONTROL DISTRICT FISCAL YEAR 2016-17 MODIFIED ACCRUAL BASIS

MONTH SALES TAX COLLECTED BY MERCHANT	1/4 CENT SALES TAX ESTIMATE (as approved SALES TAX April 14, 2016) REVENUES		DIFFERENCE OVER/(UNDER) ESTIMATE	PERCENT +/- FROM ESTIMATE
JULY	7,844,462.91	7,828,823.42	(15,639.49)	-0.20%
AUGUST	7,591,361.75	7,949,595.27	358,233.52	4.72%
SEPTEMBER	8,027,149.35	8,291,982.57	264,833.22	3.30%
OCTOBER	7,949,522.17	7,918,968.02	(30,554.15)	-0.4%
NOVEMBER	7,871,295.45	7,962,254.61	90,959.16	1.2%
DECEMBER	9,185,772.98	9,383,311.40	197,538.42	2.2%
JANUARY	7,368,521.13	7,695,742.50	327,221.37	4.4%
FEBRUARY	7,498,805.14	7,405,280.52	(93,524.62)	-1.2%
MARCH	8,848,506.91	9,261,470.53	412,963.62	4.7%
APRIL	8,039,515.51	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,000.00	,0
MAY	8,439,782.36			
JUNE	8,435,304.34			
L. Li	4			
TOTAL:	\$ 97,100,000.00	\$ 73,697,428.84	\$ 1,512,031.05	2.09%

Estimated vs Actual Cumulative Sales Tax Receipts



Schedule of Monthly Expenditures - Summary Fund 2860 - Operating Fund 4/1/2017 to 4/30/2017

Fiscal Year	Account #	Account Name		Amount
2017	61*/62*	Salaries and Benefits		314,135.00
	630000	Other Professional Services		108,673.53
	635000	Pro Svcs-Legal		6,570.60
	640310	R & M-Facilities		21,352.18
	640340	R & M-Vehicles		570.96
	645000	Other Insurance		161.06
	646100	Telephone-Local		243.18
	646120	Cell Phones/Beepers		871.10
	648100	Printing/Reproduction		1,791.77
	649100	Airfare		640.40
	649200	Lodging	`	477.18
	649300	Auto		10.00
	649400	Meals		227.00
	649500	Registration/Training		105.00
	663000	Operating Supplies		1,497.06
	663200	Food		48.23
	663400	Office Supplies		787.45
	663421	LVA-IT Hardware-Modified Accrual		2,224.98
	663500	Wearing Apparel		50.16
	663610	Computers & Supplies		399.98
	670100	Electricity		1,976.03
	670500	Disposal		46.60
	679000	Other Expense		86.70
	679220	Software Licenses		975.03
	679600	Postage	_	662.28
			Fiscal Year Total	\$464,583.46
			Grand Total	\$464,583.46

⁻ Monthly Expenditures Summary

REGIONAL FLOOD CONTROL DISTRICT FUND 2870 - FACILITIES MAINTENANCE FUND FUND BALANCE REPORT APRIL 2017

BEGINNING CASH BALANCE: Accruals/Adjustments	8,026,320.74 0.00	
TOTAL BEGINNING CASH BALANCE:		\$8,026,320.74
REVENUES:		
Interest Income	8,322.33	
Fund 2860 - Transfer In Maintenance Work Program	0.00	
Miscellaneous Other Revenue/Adjustments	357.94	
TOTAL MONTHLY REVENUES		\$8,680.27
EXPENDITURES:		
Services & Supplies	0.00	
Maintenance Work Program Expenditures	(512,353.85)	
Accruals/Adjustments	, , ,	
Miscellaneous Accruals/Adjustments	(357.90)	
Contract Retention Payable	0.00	
Contract Retention Interest Payable	0.00	
Accounts Payable	0.00	
TOTAL MONTHLY EXPENSES		(\$512,711.75)
ENDING CASH BALANCE:		\$7,522,289.26

Regional Flood Control District Monthly Expenditures Maintenance Work Program 4/1/2017 to 4/30/2017

Fiscal Year- 2017

<u>Vendor</u> CITY OF BOULDER CITY	Facility RF.BC01	<u>Invoice No.</u> 11101A	<u>Inv. Date</u> 04/19/2017	PO Number 4500255268 00010	Date Paid 04/28/2017	Amount 21,165.13
CITY OF BOULDER CITY	RF.BC02	11101A	04/19/2017	4500255268 00010	04/28/2017	42,827.18
CITY OF BOULDER CITY	RF.BC03	11101A	04/19/2017	4500255268 00010	04/28/2017	3,447.49
CITY OF BOULDER CITY	RF.BC04	11101A	04/19/2017	4500255268 00010	04/28/2017	1,125.83
CITY OF LAS VEGAS	RF.LV51	227846	04/11/2017	4500253799 00010	04/25/2017	3,159.75
CITY OF LAS VEGAS	RF.LV52	227846	04/11/2017	4500253799 00010	04/25/2017	75,178.73
CITY OF LAS VEGAS	RF.LV54	227846	04/11/2017	4500253799 00010	04/25/2017	66,803.12
CITY OF LAS VEGAS	RF.LV55	227846	04/11/2017	4500253799 00010	04/25/2017	3,924.71
CITY OF LAS VEGAS	RF.LV57	227846	04/11/2017	4500253799 00010	04/25/2017	3,716.26
CITY OF NORTH LAS VEGAS	RF.NL02	352386	04/05/2017	4500251338 00010	04/19/2017	555.17
CITY OF NORTH LAS VEGAS	RF.NL03	352386	04/05/2017	4500251338 00010	04/19/2017	5,381.07
CITY OF NORTH LAS VEGAS	RF.NL04	352386	04/05/2017	4500251338 00010	04/19/2017	33,504.82
CITY OF NORTH LAS VEGAS	RF.NL07	352386	04/05/2017	4500251338 00010	04/19/2017	30,228.38
CITY OF NORTH LAS VEGAS	RF.NL12	352386	04/05/2017	4500251338 00010	04/19/2017	17,283.65
CITY OF NORTH LAS VEGAS	RF.NL13	352386	04/05/2017	4500251338 00010	04/19/2017	14,068.71
CITY OF NORTH LAS VEGAS	RF.NL14	352386	04/05/2017	4500251338 00010	04/19/2017	593.00
CITY OF NORTH LAS VEGAS	RF.NL15	352386	04/05/2017	4500251338 00010	04/19/2017	4,949.49
CITY OF NORTH LAS VEGAS	RF.NL16	352386	04/05/2017	4500251338 00010	04/19/2017	4,920.93
PUBLIC WORKS/CC TREAS	RF.CC01	4017000089	04/30/2017	none	04/30/2017	54,809.37
PUBLIC WORKS/CC TREAS	RF.CC02	4017000090	04/30/2017	none	04/30/2017	2,731.00
PUBLIC WORKS/CC TREAS	RF.CC03	4017000091	04/30/2017	none	04/30/2017	62,643.24
PUBLIC WORKS/CC TREAS	RF.CC03	4017000098	04/30/2017	none	04/30/2017	3,855.00
PUBLIC WORKS/CC TREAS	RF.CC05	4017000092	04/30/2017	none	04/30/2017	13,874.00
PUBLIC WORKS/CC TREAS	RF.CC06	4017000093	04/30/2017	none	04/30/2017	11,616.82
PUBLIC WORKS/CC TREAS	RF.CC09	4017000094	04/30/2017	none	04/30/2017	5,625.00
PUBLIC WORKS/CC TREAS	RF.CC16	4017000095	04/30/2017	none	04/30/2017	2,731.00
PUBLIC WORKS/CC TREAS	RF.CC19	4017000096	04/30/2017	none	04/30/2017	2,731.00
PUBLIC WORKS/CC TREAS	RF.CC21	4017000097	04/30/2017	none	04/30/2017	18,904.00
				Total Expend	ditures	\$512,353.85
				Grand	d Total	\$512,353.85

Regional Flood Control District Maintenance Work Program Status Report- Fiscal Year 2017

Bou	ld	er	City
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	3			
Facility	Facility Name	Budget	Amount Spent	Amount Remaining
RF.BC01	Hemenway Watershed	143,650.00	96,070.46	47,579.54
RF.BC02	Georgia/Buchanan Watershed	126,000.00	112,205.39	13,794.61
RF.BC03	North Railroad Watershed	13,350.00	4,297.29	9,052.71
RF.BC04	West Airport Watershed	17,000.00	4,825.90	12,174.10
141.2001	West Import Watershea	\$300,000.00	\$217,399.04	\$82,600.96
		\$300,000.00	\$217,555.04	\$02,000.90
Clark Cou	nty			
Facility	Facility Name	Budget	Amount Spent	Amount Remaining
RF.CC01	Flamingo Wash	778,500.00	221,257.75	557,242.25
RF.CC02	Las Vegas Wash	214,500.00	152,741.64	61,758.36
R.F.CC03	Duck Creek	263,500.00	150,450.20	113,049.80
RF.CC05	Las Vegas Range Wash	319,300.00	150,675.48	168,624.52
RF.CC06	Tropicana Wash	345,000.00	82,733.01	262,266.99
RF.CC07	Airport Channel	48,000.00	12,658.30	35,341.70
RF.CC08	Monson Channel	294,700.00	5,910.89	288,789.11
RF.CC09	Rawhide Channel	540,500.00	19,410.69	521,089.31
RF.CC10	Van Buskirk Channel	33,000.00	4,929.48	28,070.52
RF.CC11	Flamingo Wash North Fork	1,054,000.00	520,959.77	533,040.23
RF.CC14	Laughlin Washes	37,000.00	4,118.60	32,881.40
RF.CC15	Moapa Valley	74,500.00	17,719.74	56,780.26
RF.CC16	Blue Diamond Wash	147,000.00	32,687.05	114,312.95
RF.CC17	Searchlight	2,050.00	516.96	1,533.04
RF.CC18	Bunkerville	32,600.00	20,220.81	12,379.19
RF.CC19	Pittman Wash	67,500.00	22,963.26	44,536.74
RF.CC20	Indian Springs	11,050.00	1,621.57	9,428.43
RF.CC21	Northern Beltway Channels	101,000.00	41,624.90	59,375.10
		\$4,363,700.00	\$1,463,200.10	\$2,900,499.90
Henderson				
Facility_	Facility Name	Budget	Amount Spent	Amount Remaining
RF.HN01	C-1 Channel	205,611.64	135,851.09	69,760.55
RF.HN02	Greenway Channel	21,858.68	14,364.64	7,494.04
RF.HN03	Van Wagenen Channel	1,341.96	82.32	1,259.64
RF.HN04	Gibson Channel	14,652.24	10,258.07	4,394.17
RF.HN05	Lower Pittman Channel	16,432.86	7,548.46	8,884.40
RF.HN06	Upper Pittman Wash	255,295.92	209,853.01	45,442.91
RF.HN07	UPRR Channel	16,204.00	7,408.08	8,795.92
RF.HN08	Sandwedge Channel	10,041.96	1,441.82	8,600.14
RF.HN09	Whitney Ranch Channel	105,821.20	26,796.03	79,025.17
RF.HN10	Duck Creek Channel	4,529.58	3,785.55	744.03
RF.HN11	Mission Hills Detention Basin	45,961.92	13,976.82	31,985.10
RF.HN12	Railroad East Channel	4,196.38	2,094.60	2,101.78
RF.HN13	MacDonald Ranch Channel	14,734.69	7,701.35	7,033.34
RF.HN14	Drake Channel	12,859.41	11,379.59	1,479.82
RF.HN15	I-515 Channel	56,631.73	1,113.55	55,518.18
RF.HN16	Eastern Channel	26,972.21	21,770.70	5,201.51

RF.HN17

RF.HN18

RF.HN19

RF.HN20

Western Interceptor

Sunridge Channel

Equestrian Detention Basin

Pittman Wash Railroad Channel

541.96

13,500.00

7,712.72

2,501.13

40.81

9,523.28

6,698.54

853.90

501.15

3,976.72

1,014.18

1,647.23

Regional Flood Control District Maintenance Work Program Status Report-Fiscal Year 2017

Hend	erson
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Facility	Facility Name	Budget	Amount Spent	Amount Remaining
RF.HN21	Pittman Park Detention Basin	11,038.59	10,954.71	83.88
RF.HN22	Pittman Wash Burns	2,996.91	2,003.30	993.61
RF.HN24	Pittman Pecos Channel	44,602.72	44,248.73	353.99
RF.HN25	Black Mountain DB	10,558.41	9,584.53	973.88
RF.HN26	East C-1 DB & Berm, Channel-Havre	25,368.96	17,986.65	7,382.31
RF.HN27	McCullough Hills Det Basin	14,563.29	10,351.56	4,211.73
RF.HN28	Pioneer Detention Basin	42,266.86	14,834.19	27,432.67
RF.HN29	Pittman East Det Basin	35,076.24	21,590.04	13,486.20
RF.HN30	Saguaro Park/Downs Channel	1,415.01	614.46	800.55
RF.HN31	C-1 Channel - US 95	4,925.93	4,841.48	84.45
RF.HN32	C-1 Channel Boulder Highway	3,168.68	245.35	2,923.33
RF.HN33	Upper Pittman Wash South	697.47	396.57	300.90
RF.HN34	Pittman Stephanie	2,227.31	1,971.19	256.12
RF.HN35	Pittman Desert Willow	341.98	41.06	300.92
RF.HN36	Pittman Foothills Drive	512.02	81.22	430.80
RF.HN37	Pittman Lake Mead	752.39	451.49	300.90
RF.HN38	Pittman Valle Verde	341.96	20.98	320.98
RF.HN40	Pittman Pioneer Detention	1,342.87	1,101.85	241.02
RF.HN41	Pittman West Horizon	4,424.34	4,249.87	174.47
RF.HN42	Pittman/Anthem Parkway	12,944.58	11,533.15	1,411.43
RF.HN43	Pittman Horizon Ridge	341.96	61.14	280.82
RF.HN45	Pittman Anthem Channel & DB	10,022.36	8,593.63	1,428.73
RF.HN46	Pittman Reunion Drive	641.96	41.06	600.90
RF.HN47	Pittman Green Valley	341.96	41.06	300.90
RF.HN48	Pittman Seven Hills	541.96	41.06	500.90
RF.HN49	C-1 Channel US 95 Trib 1	841.96	40.81	801.15
RF.HN50	C-1 Channel Four Kids	7,090.14	7,042.13	48.01
RF.HN53	Lake Las Vegas Magic Way Chnl	559.02	196.08	362.94
RF.HN54	Pittman Hampton Road	541.96	41.51	500.45
RF.HN55	Pittman Anthem Drive	341.96	82.21	259.75
RF.HN56	Pittman Wash Southeast	16,597.26	333.60	16,263.66
RF.HN57	Pittman Wash Wilderness Study	341.96	41.51	300.45
RF.HN58	Pittman Southedge-North	908.20	525.92	382.28
RF.HN59	Pittman Southedge-South	541.96	41.51	500.45
RF.HN60	Pittman Southedge-Anthem	804.60	565.40	239.20
RF.HN61	Pittman East Headworks DB	13,500.00	9,420.82	4,079.18
RF.HN62	C-1 Channel-Racetrack	15,922.07	9,985.88	5,936.19
		\$1,126,850.00	\$686,739.92	\$440,110.08
Las Vegas				

Facility	Facility Name	Budget	Amount Spent	Amount Remaining
RF.LV51	Cedar Ave Channel/Nellis System	50,000.00	24,885.84	25,114.16
RF.LV52	Gowan/Angel Pk/Lone Mtn System	500,000.00	248,721.89	251,278.11
RF.LV53	Lake Mead/Smoke Ranch/Washington S	50,000.00	0.00	50,000.00
RF.LV54	Las Vegas Wash System	700,000.00	257,489.78	442,510.22
RF.LV55	Meadows/Oakey System	100,000.00	52,116.12	47,883.88
RF.LV56	Washington Ave/LV Creek	225,000.00	0.00	225,000.00
RF.LV57	US95/Outer Beltway/Ann Road System	1,000,000.00	84,339.48	915,660.52
		\$2,625,000.00	\$667,553.11	\$1,957,446.89

Regional Flood Control District Maintenance Work Program Status Report- Fiscal Year 2017

Mesquite				
Facility	Facility Name	Budget	Amount Spent	Amount Remaining
RF.ME01	Mesquite Town Wash	19,000.00	6,903.98	12,096.02
RF.ME02	Abbott Wash Channel	14,300.00	3,196.47	11,103.53
RF.ME04	Town Wash Detention Basin	467,300.00	451,044.16	16,255.84
RF.ME07	Pulsipher Wash	29,400.00	12,326.83	17,073.17
RF.ME08	Abbott Wash Detention Basin	68,000.00	8,515.09	59,484.91
RF.ME09	Pulsipher Wash Detention Basin	29,700.00	3,356.25	26,343.75
		\$627,700.00	\$485,342.78	\$142,357.22
North Las	Vegas			
Facility	Facility Name	Budget	Amount Spent	Amount Remaining
RF.NL01	LV Wash "N" Channel	44,034.35	9,398.69	34,635.66
RF.NL02	Las Vegas Wash-Middle	91,281.34	36,615.17	54,666.17
RF.NL03	LV Wash-King Charles Channel	42,071.00	21,480.22	20,590.78
RF.NL04	Vandenberg Detention Basin	186,306.09	55,229.91	131,076.18
RF.NL05	North Las Vegas Detention Basin	46,596.86	2,083.16	44,513.70
RF.NL06	Upper LVW DB & Moccasin Levee	49,661.08	4,400.54	45,260.54
RF.NL07	Carey/Lake Mead Detention Basin	468,514.84	438,922.82	29,592.02
RF.NL08	Gowan Outfall Channel	43,571.00	8,349.75	35,221.25
RF.NL10	Upper Las Vegas Wash	15,000.00	8,380.76	6,619.24
RF.NL11	Clayton Street Channel	41,266.96	11,539.38	29,727.58
RF.NL12	Lower Las Vegas Detention Basin	297,995.79	258,025.63	39,970.16
RF.NL13	West Trib-Ranch House to Lower LV DF	46,754.76	21,068.69	25,686.07
RF.NL14	Trib to Western Trib @ Craig Rd	49,526.62	25,016.19	24,510.43
RF.NL15	Las Vegas Wash-Smoke Ranch	38,571.00	14,354.77	24,216.23
RF.NL16	Upper Las Vegas Wash Channel	59,571.00	36,702.97	22,868.03
RF.NL17	Range Wash-LVW Diversion & Levee	34,312.26	923.94	33,388.32
RF.NL18	Cheyenne Peaking Basin	49,375.04	4,432.72	44,942.32
RF.NL19	LVW-Middle, Cheyenne Ave to Owens A	113,090.01	6,833.03	106,256.98
		\$1,717,500.00	\$963,758.34	\$753,741.66
		Budget	Amount Spent	Amount Remaining
	Program Totals	\$10,760,750.00	\$4,483,993.29	\$6,276,756.71

REGIONAL FLOOD CONTROL DISTRICT FUND 3300 - BOND DEBT SERVICE FUND FUND BALANCE REPORT APRIL 2017

BEGINNING CASH BALANCE	17,155,992.96	
Accruals/Adjustments	0.00	
TOTAL BEGINNING CASH BALANCE		\$17,155,992.96
REVENUES:		
Interest Income	21,222.02	
Fund 2860 - Transfer In Debt Service	3,307,317.73	
Bonds Issued	0.00	
Premium on Bonds Issued	0.00	
Miscellaneous Other Revenue	0.00	
Accruals/Adjustments		
Miscellaneous Accruals/Adjustments	0.00	
TOTAL MONTHLY REVENUES		\$3,328,539.75
EXPENDITURES:		
Professional Services	0.00	
Debt Service Payments*	0.00	
Payments to Escrow Agent	0.00	
Transfers Out to Other Funds	0.00	
Accruals/Adjustments		
Miscellaneous Accruals/Adjustments	0.00	
TOTAL MONTHLY EXPENSES		\$0.00
ENDING CASH BALANCE:		\$20,484,532.71

^{*}Principal payments paid annually (November); Interest payments paid semi-annually (May and November)

REGIONAL FLOOD CONTROL DISTRICT FUND 4430 - CONSTRUCTION FUND FUND BALANCE REPORT APRIL 2017

DECININING CASH DALANCE.		
BEGINNING CASH BALANCE:	110 757 157 40	
Cash in Custody of Treasurer	112,757,157.49	
Custodial Account Cash Balance	30,358,385.41	
Accruals/Adjustments	(98,583.08)	
TOTAL BEGINNING CASH BALANCE		\$143,016,959.82
REVENUES:		
Fund 2860 - Transfer In Budgeted Transfer	3,750,000.00	
Fund 3300 - Transfer In Bond Proceeds	0.00	
Custodial Account - Transfer In to Treasurer	0.00	
Interest Earnings	117,143.64	
Custodial Account Interest Earnings	0.00	
Proceeds from Bonds and Loans	0.00	
Miscellaneous Other Revenue	0.00	
Accruals/Adjustments		
Miscellaneous Accruals/Adjustments	0.00	
TOTAL MONTHLY REVENUES		\$3,867,143.64
EXPENDITURES:		
Capital Improvement Program	(2,681,673.03)	
Professional Services	0.00	
Project Reimbursements	0.00	
Fund 2860 - Transfer Out Interest Earnings	(97,918.73)	
Fund 2860 - Transfer Out ILA Closeout/Reductions	0.00	
Custodial Account - Transfer Out to Treasurer	(0.00)	
Accruals/Adjustments	(0.00)	
Contracts Retention Payable	56,073.77	
Contracts Retention Interest Payable	0.00	
Accounts Payable	283,039.47	
Miscellaneous Accruals/Adjustments	0.00	
TOTAL MONTHLY EXPENDITURES		(\$2,440,478.52)
ENDING CASH DALANCE:		
ENDING CASH BALANCE:	114,085,239.53	
Cash in Custody of Treasurer Custodial Account Cash Balance	30,358,385.41	
Custodia Account Cash Building	00,000,000.41	
ENDING CASH BALANCE:		\$144,443,624.94

Regional Flood Control District Monthly Expenditures Capital Improvement Program 4/1/2017 to 4/30/2017

Fund 4430

Fiscal Year-2017

<u>Vendor</u>	Project	Invoice No.	Inv. Date	PO Number	Date Paid	Amount
CITY OF HENDERSON	RF.HEN05E09	MSC5027007	04/24/2017	4800002768 00010	04/28/2017	1,493.06
CITY OF HENDERSON	RF.HEN06H09	MSC5027006	04/24/2017	4800002480 00010	04/28/2017	602.49
CITY OF HENDERSON	RF.HEN12I09	MSC5027004	04/24/2017	4800002400 00010	04/28/2017	41.92
CITY OF HENDERSON	RF.HEN12J16	MSC5027003	04/24/2017	4800007530 00010	04/28/2017	14,917.83
CITY OF HENDERSON	RF.HEN16A01	MSC5027001	04/24/2017	4800001182 00010	04/28/2017	7,063.69
CITY OF HENDERSON	RF.HEN16D15	MSC5027002	04/24/2017	4800007269 00010	04/28/2017	236.04
CITY OF HENDERSON	RF.HEN16E15	MSC5027009	04/24/2017	4800007841 00010	04/28/2017	7,573.74
CITY OF HENDERSON	RF.HEN24A11	MSC5027008	04/24/2017	4800004138 00010	04/28/2017	133.50
CITY OF LAS VEGAS	RF.LAS14C11	227853	04/11/2017	4800004218 00010	04/25/2017	325.50
CITY OF LAS VEGAS	RF.LAS14D14	227864	04/11/2017	4800006033 00020	04/25/2017	4,570.64
CITY OF LAS VEGAS	RF.LAS16O13	227865	04/11/2017	4800005933 00020	04/25/2017	2,369.82
CITY OF LAS VEGAS	RF.LAS16P15	227882	04/11/2017	4800007389 00010	04/25/2017	1,964.00
CITY OF LAS VEGAS	RF.LAS22S13	227859	04/11/2017	4800005745 00020	04/25/2017	5,286.58
CITY OF LAS VEGAS	RF.LAS23F14	227876	04/11/2017	4800006571 00020	04/25/2017	243.51
CITY OF LAS VEGAS	RF.LAS23G15	227887	04/11/2017	4800007191 00010	04/25/2017	3,424.46
CITY OF LAS VEGAS	RF.LAS23H15	227879	04/11/2017	4800007390 00010	04/25/2017	66,649.40
CITY OF LAS VEGAS	RF.LAS24E07	227851	04/11/2017	4800000203 00050	04/25/2017	11,759.80
CITY OF LAS VEGAS	RF.LAS24H13	227860	04/11/2017	4800005747 00020	04/25/2017	18,132.79
CITY OF LAS VEGAS	RF.LAS24115	227881	04/11/2017	4800007188 00010	04/25/2017	35,752.84
CITY OF LAS VEGAS	RF.LAS24J15	227884	04/11/2017	4800007189 00010	04/25/2017	106,577.29
CITY OF LAS VEGAS	RF.LAS28C12	227856	04/11/2017	4800005013 00010	04/25/2017	135.63
CITY OF LAS VEGAS	RF.LAS29B15	227880	04/11/2017	4800007391 00010	04/25/2017	29,914.36
CITY OF LAS VEGAS	RF.LAS29C16	227845	04/11/2017	4500255470 00010	04/25/2017	1,065.38
CITY OF NORTH LAS VEGA	RF.NLV01G11	8091	04/10/2017	4800004209 00010	04/24/2017	736.76
CITY OF NORTH LAS VEGA	RF.NLV01I14	8092	04/10/2017	4800006072 00020	04/24/2017	42,773.18
CITY OF NORTH LAS VEGA	RF.NLV01J15	8096	04/11/2017	4800007359 00020	04/24/2017	3,552.53
CITY OF NORTH LAS VEGA	RF.NLV03E13	8095A	04/10/2017	4800006067 00030	04/24/2017	5,910.06
CITY OF NORTH LAS VEGA	RF.NLV04J14	8093	04/10/2017	4800006074 00020	04/24/2017	512.99
CITY OF NORTH LAS VEGA	RF.NLV09E11	8090	04/10/2017	4800004139 00030	04/24/2017	37,055.45
CITY OF NORTH LAS VEGA	RF.NLV09I13	8094	04/10/2017	4800006141 00030	04/24/2017	9,736.43
CITY OF NORTH LAS VEGA	RF.NLV17C16	8098	04/10/2017	4800007933 00030	04/24/2017	9,493.58
CITY OF NORTH LAS VEGA	RF.NLV18F13	8097	04/10/2017	4800006034 00010	04/24/2017	6,876.09
LAS VEGAS PAVING CORP	RF.HEN16E15	HEN16E15#2	03/31/2017	4800007868 00010	04/28/2017	1,121,475.38
PUBLIC WORKS/CC TREAS	RF.CLA04E99	1517115199	04/04/2017	none	04/04/2017	6,293.49
PUBLIC WORKS/CC TREAS	RF.CLA08Q13	1517118661	04/13/2017	none	04/13/2017	1,150.89
PUBLIC WORKS/CC TREAS	RF.CLA08S13	1517115194	04/04/2017	none	04/04/2017	34,355.23
PUBLIC WORKS/CC TREAS	RF.CLA08S13	1517115195	04/04/2017	none	04/04/2017	18,919.00
PUBLIC WORKS/CC TREAS	RF.CLA08T14	1517116653	04/07/2017	none	04/07/2017	619.96
PUBLIC WORKS/CC TREAS	RF.CLA08T14	1517118685	04/13/2017	none	04/13/2017	12,056.00
PUBLIC WORKS/CC TREAS	RF.CLA08T14	1517118686	04/13/2017	none	04/13/2017	267.20
PUBLIC WORKS/CC TREAS	RF.CLA08T14	1517121947	04/19/2017	none	04/19/2017	1,141.80
PUBLIC WORKS/CC TREAS	RF.CLA15D12	1517115189	04/04/2017	none	04/04/2017	15,228.13
PUBLIC WORKS/CC TREAS	RF.CLA15D12	1517115190	04/04/2017	none	04/04/2017	2,675.07
PUBLIC WORKS/CC TREAS	RF.CLA15E13	1517115012	04/03/2017	none	04/03/2017	92,151.15
PUBLIC WORKS/CC TREAS	RF.CLA15E13	1517115788	04/05/2017	none	04/05/2017	97,011.21

Regional Flood Control District Monthly Expenditures Capital Improvement Program 4/1/2017 to 4/30/2017

Fund 4430

Fiscal Year-2017

<u>Vendor</u>	Project	Invoice No.	Inv. Date	PO Number	Date Paid	Amount
PUBLIC WORKS/CC TREAS	RF.CLA15E13	1517115789	04/05/2017	none	04/05/2017	169,900.00
PUBLIC WORKS/CC TREAS	RF.CLA21A00	1517118687	04/13/2017	none	04/13/2017	22,143.54
PUBLIC WORKS/CC TREAS	RF.CLA21A00	1517118688	04/13/2017	none	04/13/2017	8,289.64
PUBLIC WORKS/CC TREAS	RF.CLA21A00	1517118689	04/13/2017	none	04/13/2017	421.00
PUBLIC WORKS/CC TREAS	RF.CLA27C08	1517115201	04/04/2017	none	04/04/2017	2,255.40
PUBLIC WORKS/CC TREAS	RF.LAU04A08	1517115164	04/04/2017	none	04/04/2017	232.26
PUBLIC WORKS/CC TREAS	RF.MOA01B89	1517115198	04/04/2017	none	04/04/2017	1,774.54
PUBLIC WORKS/CC TREAS	RF.MOA01H15	1517115792	04/05/2017	none	04/05/2017	331,449.36
PUBLIC WORKS/CC TREAS	RF.MOA03A11	1517115170	04/04/2017	none	04/04/2017	21,941.97
TARGET CONSTRUCTION I	RF.HEN12J16	HEN12J16#5	03/31/2017	4800007799 00010	04/12/2017	283,039.47

Fiscal Year Total

\$2,681,673.03

Fund Total

\$2,681,673.03

REGIONAL FLOOD CONTROL DISTRICT FUND 4440 - CAPITAL IMPROVEMENTS BOND FUND FUND BALANCE REPORT APRIL 2017

BEGINNING CASH BALANCE: Accruals/Adjustments	19,404,800.20	
TOTAL BEGINNING CASH BALANCE		\$19,404,800.20
REVENUES:		
Interest Income	20,334.15	
Proceeds from Bonds and Loans	0.00	
Other	0.00	
TOTAL MONTHLY REVENUES		\$20,334.15
EXPENDITURES:		
Capital Improvement Program	(9,525.60)	
Professional Services	0.00	
Project Reimbursements	0.00	
Fund 4430 - Transfer Out Reallocated Expenses	0.00	
Accruals/Adjustments Contracts Retention Payable	0.00	
Contracts Retention Interest Payable	0.00	
Accounts Payable	0.00	
Miscellaneous Accruals/Adjustments	0.00	
TOTAL MONTHLY EXPENDITURES		(\$9,525.60)
ENDING CASH BALANCE:	_	\$19,415,608.75

Regional Flood Control District Monthly Expenditures Capital Improvement Program 4/1/2017 to 4/30/2017

Fund 4440

Fiscal Year-2017

<u>Vendor</u> PUBLIC WORKS/CC TREAS	<u>Project</u> RF.CLA27D13	<u>Invoice No.</u> 1517114994	Inv. Date 04/03/2017	PO Number none	04/03/2017	9,525.60 -
				Fisca	l Year Total	\$9,525.60
					Fund Total	\$9,525.60

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Boulder City

RF.BOU01C10

Hemenway System, Phase II Improvements

Interlocal Amount \$745,000.00

Original Funding Date 02/11/2010 Ex

iginal I allamig Date	02/11/2010
piration Date	01/14/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$730,000.00	\$504,340.45	\$225,659.55
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$15,000.00	\$7,726.67	\$7,273.33
Other	\$0.00	\$0.00	\$0.00
Total	\$745,000.00	\$512,067.12	\$232,932.88

RF.BOU01D17

Hemenway System, Phase IIA Improvements Interlocal Amount \$2,222,694.00

Original Funding Date **Expiration Date**

02/09/2017 02/09/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,047,694.00	\$0.00	\$2,047,694.00
Const Engineering	\$175,000.00	\$0.00	\$175,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,222,694.00	\$0.00	\$2,222,694.00

RF.BOU05J10

North Railroad Conveyance Interlocal Amount \$530,000.00 **Original Funding Date Expiration Date**

02/11/2010 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$515,000.00	\$453,819.90	\$61,180.10
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$15,000.00	\$7,726.67	\$7,273.33
Other	\$0.00	\$0.00	\$0.00
Total	\$530,000.00	\$461,546.57	\$68,453.43

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County

RF.CLA04E99

Flamingo Wash, McLeod Dr to Maryland PKWY

Interlocal Amount \$2,980,000.00

Original Funding Date Expiration Date

08/12/1999 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$741,500.00	\$637,505.24	\$103,994.76
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,877,500.00	\$1,480,777.19	\$396,722.81
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$339,000.00	\$315,950.17	\$23,049.83
Other	\$22,000.00	\$17,086.99	\$4,913.01
Total	\$2,980,000.00	\$2,451,319.59	\$528,680.41

RF.CLA08Q13

Duck Creek at Dean Martin Interlocal Amount \$480,000.00 Original Funding Date Expiration Date

09/12/2013 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$190,500.00	\$23,047.41	\$167,452.59
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$274,000.00	\$245,315.84	\$28,684.16
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$15,500.00	\$10,865.00	\$4,635.00
Other	\$0.00	\$0.00	\$0.00
Total	\$480,000.00	\$279,228.25	\$200,771.75

RF.CLA08R13

Duck Creek, Las Vegas Boulevard Interlocal Amount \$485,000.00 Original Funding Date Expiration Date

09/12/2013 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$1,000.00	\$0.00	\$1,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$483,000.00	\$0.00	\$483,000.00
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$1,000.00	\$0.00	\$1,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$485,000.00	\$0.00	\$485,000.00

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County

RF.CLA08S13

Silverado Ranch Detention Basin and Outfall Facilities

Interlocal Amount \$1,370,000.00

Original Funding Date

09/12/2013 06/30/2021

Expiration	Date	06

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$31,000.00	\$2,929.10	\$28,070.90
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,248,000.00	\$204,233.29	\$1,043,766.71
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$81,000.00	\$5,696.66	\$75,303.34
Other	\$10,000.00	\$0.00	\$10,000.00
Total	\$1,370,000.00	\$212,859.05	\$1,157,140.95

RF.CLA08W16

Duck Creek at Dean Martin Interlocal Amount \$3,787,357.00 Original Funding Date Expiration Date

10/13/2016 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$3,472,857.00	\$0.00	\$3,472,857.00
Const Engineering	\$314,500.00	\$0.00	\$314,500.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$3,787,357.00	\$0.00	\$3,787,357.00

RF.CLA10F10

Flamingo Wash, Industrial Road to Hotel Rio Drive Interlocal Amount \$46,000.00

Original Funding Date Expiration Date

04/08/2010 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$10,500.00	\$6,574.40	\$3,925.60
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$32,000.00	\$18,553.85	\$13,446.15
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0,00	\$0.00
Environmental	\$3,500.00	\$2,618.17	\$881.83
Other	\$0.00	\$0.00	\$0.00
Total	\$46,000.00	\$27,746.42	\$18,253.58

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County

RF.CLA10H13

Airport Channel - Naples Interlocal Amount \$600,000.00 Original Funding Date Expiration Date

09/12/2013 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$1,088.00	\$912.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$579,000.00	\$218,668.81	\$360,331.19
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$19,000.00	\$0.00	\$19,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$600,000.00	\$219,756.81	\$380,243.19

RF.CLA15D12

LVW Sloan-Bonanza, Flam W below Nellis Interlocal Amount \$5,622,000.00

Original Funding Date Expiration Date

06/14/2012 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$22,000.00	\$3,722.00	\$18,278.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$4,791,000.00	\$4,174,859.67	\$616,140.33
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$220,000.00	\$91,122.24	\$128,877.76
Other	\$589,000.00	\$488,442.91	\$100,557.09
Total	\$5,622,000.00	\$4,758,146.82	\$863,853.18

RF.CLA21A00

Orchard Detention Basin Interlocal Amount \$1,674,700.00 Original Funding Date Expiration Date

07/13/2000 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$428,000.00	\$382,123.56	\$45,876.44
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$973,000.00	\$758,429.74	\$214,570.26
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$251,900.00	\$150,188.32	\$101,711.68
Other	\$21,800.00	\$19,836.62	\$1,963.38
Total	\$1,674,700.00	\$1,310,578.24	\$364,121.76

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County

RF.CLA27C08

Flamingo Diversion - Rainbow Branch Interlocal Amount \$1,030,000.00

Original Funding Date Expiration Date

08/14/2008 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$33,000.00	\$11,521.30	\$21,478.70
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$897,000.00	\$750,469.22	\$146,530.78
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$8,791.09	\$1,208.91
Other	\$90,000.00	\$34,993.97	\$55,006.03
Total	\$1,030,000,00	\$805 775 58	\$224 224 42

ENTITY: Clark County Outlying

RF.BUN01D11

Windmill Wash Detention Basin Expansion Interlocal Amount \$880,000.00

Original Funding Date Expiration Date

02/10/2011 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$94,000.00	\$32,052.15	\$61,947.85
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$660,000.00	\$595,571.05	\$64,428.95
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$119,000.00	\$115,797.47	\$3,202.53
Other	\$7,000.00	\$0.00	\$7,000.00
Total	\$880,000.00	\$743,420.67	\$136,579.33

RF.GSP01B10

Goodsprings - Phase I Interlocal Amount \$83,400.00 Original Funding Date Expiration Date

03/11/2010 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$57,500.00	\$11,997.24	\$45,502.76
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$25,400.00	\$19,668.97	\$5,731.03
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$500.00	\$0.00	\$500.00
Other	\$0.00	\$0.00	\$0.00
Total	\$83,400.00	\$31,666.21	\$51,733.79

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County Outlying

RF.LAU04A08

SR 163 at Casino Drive

Interlocal Amount \$473,500.00

Original Funding Date

10/09/2008

Expiration Date

06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$11,500.00	\$3,643.86	\$7,856.14
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$386,500.00	\$272,670.96	\$113,829.04
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$75,500.00	\$58,528.25	\$16,971.75
Other	\$0.00	\$0.00	\$0.00
Total	\$473,500.00	\$334,843.07	\$138,656.93

RF.MOA01B89

Muddy River West Levee, Moapa Valley Interlocal Amount \$13,501,000.00

Original Funding Date

05/11/1989

Expiration Date

06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$10,811,200.00	\$10,810,530.39	\$669.61
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$2,448,000.00	\$1,826,342.42	\$621,657.58
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$132,500.00	\$130,581.84	\$1,918.16
Other	\$109,300.00	\$107,049.79	\$2,250.21
Total	\$13,501,000.00	\$12,874,504.44	\$626,495.56

RF.MOA01F10

Muddy River Logandale Levee Interlocal Amount \$6,977,500.00 **Original Funding Date Expiration Date**

03/11/2010 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$5,805,000.00	\$475,182.92	\$5,329,817.08
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$970,000.00	\$708,247.36	\$261,752.64
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$103,500.00	\$64,883.35	\$38,616.65
Other	\$99,000.00	\$53,490.00	\$45,510.00
Total	\$6,977,500.00	\$1,301,803.63	\$5,675,696.37

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County Outlying

RF.MOA01H15

Muddy River Logandale Levee Interlocal Amount \$7,200,000.00 Original Funding Date Expiration Date

01/08/2015 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$6,800,000.00	\$2,035,289.72	\$4,764,710.28
Const Engineering	\$400,000.00	\$0.00	\$400,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$7,200,000.00	\$2,035,289.72	\$5,164,710.28

RF.MOA03A11

Fairgrounds Detention Basin Interlocal Amount \$964,000.00 Original Funding Date Expiration Date

02/10/2011 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$25,500.00	\$22,331.30	\$3,168.70
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$749,000.00	\$372,793.46	\$376,206.54
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$172,500.00	\$146,365.41	\$26,134.59
Other	\$17,000.00	\$0.00	\$17,000.00
Total	\$964,000.00	\$541,490.17	\$422,509.83

RF.SEA03A09

Searchlight - South, Encinitas St Storm Drain Interlocal Amount \$138,000.00

Original Funding Date Expiration Date

08/13/2009 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$500.00	\$0.00	\$500.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$137,000.00	\$30,882.44	\$106,117.56
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$500.00	\$0.00	\$500.00
Other	20.00	\$0.00	\$0.00
Total	\$138,000.00	\$30,882.44	\$107,117.56

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: COE/Clark County

RF.COEG294

Tropicana & Flamingo Washes Interlocal Amount \$36,259,348.00 Original Funding Date Expiration Date 01/12/1995 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$26,846,216.04	\$25,898,877.25	\$947,338.79
Pre-Design	\$0.00	\$0.00	\$0.00
Design ,	\$0.00	\$0.00	\$0.00
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$9,413,131.96	\$9,362,696.71	\$50,435.25
Total	\$36,259,348.00	\$35,261,573.96	\$997,774.04

ENTITY: Henderson

RF.HEN01H09

Pittman Wash, Duck Creek at I-515 Interlocal Amount \$402,705.00 Original Funding Date
Expiration Date

07/09/2009 12/31/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$9,934.00	\$9,934.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$372,370.00	\$319,478.57	\$52,891.43
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$20,401.00	\$20,401.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$402,705.00	\$349,813.57	\$52,891.43

RF.HEN01I14

Pittman Wash, Duck Creek at I-515 Interlocal Amount \$2,489,875.00 Original Funding Date Expiration Date

12/11/2014 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,303,585.00	\$2,249,520.00	\$54,065.00
Const Engineering	\$186,290.00	\$23,691.29	\$162,598.71
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,489,875.00	\$2,273,211.29	\$216,663.71

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Henderson

RF.HEN04P09

Racetrack Channel, Drake to Burkholder

Interlocal Amount \$247,099.00

Original Funding Date 12/10/2009

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Expiration Date	06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$242,099.00	\$72,214.93	\$169,884.07
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$4,200.00	\$800.00
Other	\$0.00	\$0.00	\$0.00
Total	\$247,099.00	\$76,414.93	\$170,684.07

RF.HEN04Q15

Racetrack Channel, Drake to Burkholder Interlocal Amount \$1,037,650.00

Original Funding Date Expiration Date

07/09/2015 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$903,650.00	\$772,361.72	\$131,288.28
Const Engineering	\$134,000.00	\$58,915.60	\$75,084.40
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,037,650.00	\$831,277.32	\$206,372.68

RF.HEN05E09

Pittman, Horizon Ridge Detention Basin Interlocal Amount \$727,285.00

Original Funding Date Expiration Date

12/10/2009 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$99,004.00	\$46,745.00	\$52,259.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$529,802.00	\$463,242.04	\$66,559.96
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$88,479.00	\$86,911.05	\$1,567.95
Other	\$10,000.00	\$0.00	\$10,000.00
Total	\$727,285.00	\$596,898.09	\$130,386.91

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Henderson

RF.HEN06H09

Equestrian Detention Basin Expansion Interlocal Amount \$346,797.00

Original Funding Date Expiration Date

08/13/2009 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$29,013.00	\$29,013.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$285,236.00	\$268,441.58	\$16,794.42
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$12,818.00	\$12,818.00	\$0.00
Other	\$19,730.00	\$0.00	\$19,730.00
Total	\$346,797.00	\$310,272.58	\$36,524.42

RF.HEN12I09

Pittman, West Horizon - Palm Hills Interlocal Amount \$275,078.00

Original Funding Date

07/09/2009

Expiration Date 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$22,708.00	\$22,707.77	\$0.23
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$209,643.00	\$159,288.15	\$50,354.85
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$42,727.00	\$35,942.84	\$6,784.16
Other	\$0.00	\$0.00	\$0.00

\$275,078.00

RF.HEN16A01

Total

Pittman North Detention Basin & Outfall Interlocal Amount \$2,181,514.00

Original Funding Date Expiration Date

\$217,938.76

07/12/2001 12/31/2018

\$57,139.24

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$122,389.00	\$108,800.68	\$13,588.32
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,556,327.00	\$1,364,147.87	\$192,179.13
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$424,281.00	\$379,325.10	\$44,955.90
Other	\$78,517.00	\$37,124.52	\$41,392.48
Total	\$2,181,514.00	\$1,889,398.17	\$292,115.83

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Henderson

RF.HEN16D15

Pittman North Detention Basin and Outfall, Phase 1

Interlocal Amount \$4,342,105.00

Original Funding Date 01/08/2015 **Expiration Date** 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$3,818,100.00	\$3,401,707.03	\$416,392.97
Const Engineering	\$524,005.00	\$57,037.14	\$466,967.86
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$4,342,105.00	\$3,458,744.17	\$883,360.83

RF.HEN16E15

Pittman North DB & Outfall, Phase II - Starr Avenue Interlocal Amount \$2,000,321.00

Original Funding Date 10/08/2015 **Expiration Date** 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$1,852,096.00	\$1,126,267.13	\$725,828.87
Const Engineering	\$148,225.00	\$14,710.78	\$133,514.22
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,000,321.00	\$1,140,977.91	\$859,343.09

RF.HEN22A09

Anthem Pkwy Channel, Horizon Ridge to Sienna Heights Interlocal Amount \$179,474.00

Original Funding Date 07/09/2009 **Expiration Date** 12/31/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$169,474.00	\$88,056.93	\$81,417.07
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$5,000.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$179,474.00	\$93,056.93	\$86,417.07

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Henderson

RF.HEN23A09

Center Street Storm Drain Interlocal Amount \$584,255.00 Original Funding Date

08/13/2009 12/31/2018

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Expiration Date	12

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$13,870.00	\$13,870.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$548,855.00	\$476,144.55	\$72,710.45
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$21,530.00	\$21,530.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$584,255.00	\$511,544.55	\$72,710.45

RF.HEN24A11

Duck Creek, Sunset to Sandhill Interlocal Amount \$590,746.00

Original Funding Date

07/14/2011

Expiration Date 12/31/2017

Spent Total Remaining

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$39,006.00	\$39,006.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$324,421.00	\$286,358.31	\$38,062.69
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$161,839.00	\$154,938.25	\$6,900.75
Other	\$65,480.00	\$55,681.28	\$9,798.72
Total	\$590,746.00	\$535,983.84	\$54,762.16

ENTITY: Las Vegas

RF.LAS14C11

Freeway Channel-Washington, MLK to Rancho Drive Interlocal Amount \$998,510.00

Original Funding Date Expiration Date

07/14/2011 12/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$5,000.00	\$965.23	\$4,034.77
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$988,510.00	\$946,721.51	\$41,788.49
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$998,510.00	\$947,686.74	\$50,823.26

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.LAS16J09

Rancho System - Beltway to Elkhorn Interlocal Amount \$962,076.00 Original Funding Date Expiration Date 12/10/2009 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$1,000.00	\$200.00	\$800.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$960,076.00	\$927,045.27	\$33,030.73
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$1,000.00	\$0.00	\$1,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$962,076.00	\$927,245.27	\$34,830.73

RF.LAS16L11

Rancho Road System - Elkhorn, Ft Apache to Grand Canyon Interlocal Amount \$400,000.00

Original Funding Date Expiration Date 07/14/2011 12/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$5,000.00	\$0.00	\$5,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$390,000.00	\$380,669.38	\$9,330.62
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$400,000.00	\$380,669.38	\$19,330.62

RF.LAS16N13

Rancho System - Beltway to Elkhorn Road Interlocal Amount \$9,535,541.00 Original Funding Date Expiration Date

07/11/2013 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$8,542,522.00	\$7,710,057.07	\$832,464.93
Const Engineering	\$993,019.00	\$971,031.14	\$21,987.86
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$9,535,541.00	\$8,681,088.21	\$854,452.79

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.LAS16013

Rancho Rd System-Elkhorn, Fort Apache to Grand Canyon

Interlocal Amount \$2,358,400.00

Original Funding Date
Expiration Date

12/12/2013 01/01/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,204,100.00	\$2,019,620.77	\$184,479.23
Const Engineering	\$154,300.00	\$149,800.45	\$4,499.55
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,358,400.00	\$2,169,421.22	\$188,978.78

RF.LAS16P15

Rancho Road System - Elkhorn, Grand Canyon to Hualapai Interlocal Amount \$554,000.00

Original Funding Date Expiration Date 07/09/2015 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$550,000.00	\$15,054.78	\$534,945.22
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$554,000.00	\$15,054.78	\$538,945.22

RF.LAS22S13

Brent Drainage System-Floyd Lamb Park to Durango Drive Interlocal Amount \$533,365.00

Original Funding Date
Expiration Date

07/11/2013 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$1,000.00	\$0.00	\$1,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$530,365.00	\$372,285.01	\$158,079.99
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$533,365.00	\$372,285.01	\$161,079.99

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.LAS22T15

Brent Drainage System - Floyd Lamb Park to Durango Drive

Interlocal Amount \$4,900,700.00

Original Funding Date Expiration Date

08/13/2015 12/31/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$4,600,000.00	\$0.00	\$4,600,000.00
Const Engineering	\$300,700.00	\$119.12	\$300,580.88
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$4,900,700.00	\$119.12	\$4,900,580.88

RF.LAS23E13

Centennial Pkwy Channel West-CC 215, Pioneer Way to US95

Interlocal Amount \$1,070,687.00

Original Funding Date

07/11/2013 06/30/2019

Expiration Date

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$604.38	\$1,395.62
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,063,687.00	\$793,499.69	\$270,187.31
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,070,687.00	\$794,104.07	\$276,582.93

RF.LAS23F14

Centennial Parkway Channel West-CC215, Pioneer Way to US95 Interlocal Amount \$13,900,000.00

Original Funding Date Expiration Date

11/13/2014 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$12,800,000.00	\$10,120,636.63	\$2,679,363.37
Const Engineering	\$1,100,000.00	\$54,419.15	\$1,045,580.85
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$13,900,000.00	\$10,175,055.78	\$3,724,944.22

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.LAS23G15

Centennial Parkway Channel West-US95, CC215 to Durango

Interlocal Amount \$1,261,471.00

Original Funding Date Expiration Date 07/09/2015 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$4,000.00	\$0.00	\$4,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,253,471.00	\$445,022.73	\$808,448.27
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$4,000.00	\$0.00	\$4,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,261,471.00	\$445,022.73	\$816,448.27

RF.LAS23H15

Centennial Parkway Channel West-US95, Durango to Grand Teton Interlocal Amount \$985,231.00

Original Funding Date Expiration Date

07/09/2015 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$981,231.00	\$201,519.12	\$779,711.88
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$985,231.00	\$201,519.12	\$783,711.88

RF.LAS23I17

Cent Pkwy Chnl West-US95, CC215 to Grand Teton, Kyle Cyn Interlocal Amount \$28,713,363.00

Original Funding Date Expiration Date

03/09/2017 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$26,903,054.00	\$0.00	\$26,903,054.00
Const Engineering	\$1,810,309.00	\$0.00	\$1,810,309.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$28,713,363.00	\$0.00	\$28,713,363.00

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.LAS24E07

Gowan Outfall - Lone Mountain Branch (Rancho Drive to Decatur Boulevard) Interlocal Amount \$1,614,000.00

Original Funding Date Expiration Date

07/12/2007 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$17,000.00	\$16,933.80	\$66.20
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,547,000.00	\$1,546,836.64	\$163.36
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$50,000.00	\$31,086.75	\$18,913.25
Total	\$1,614,000.00	\$1,594,857.19	\$19,142.81

RF.LAS24H13

Gowan North-Buffalo Branch, Lone Mtn to Washburn Rd Interlocal Amount \$992,000.00

Original Funding Date Expiration Date

07/11/2013 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$30,000.00	\$6,200.00	\$23,800.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$960,000.00	\$747,016.83	\$212,983.17
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$992,000.00	\$753,216.83	\$238,783.17

RF.LAS24I15

Gowan Box Canyon - Lone Mountain Road Interlocal Amount \$704,000.00

Original Funding Date
Expiration Date

07/09/2015 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$700,000.00	\$169,316.55	\$530,683.45
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$704,000.00	\$169,316.55	\$534,683.45

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.LAS24J15

Gowan North - El Capitan Branch, Lone Mountain to Ann Road

Interlocal Amount \$785,478.00

Original Funding Date Expiration Date

07/09/2015 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$781,478.00	\$374,374.07	\$407,103.93
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$785,478.00	\$374,374.07	\$411,103.93

RF.LAS25B13

Cedar Avenue Channel Improvements Interlocal Amount \$831,489.00 Original Funding Date Expiration Date

07/11/2013 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$827,489.00	\$676,386.15	\$151,102.85
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$831,489.00	\$676,386.15	\$155,102.85

RF.LAS28C12

Las Vegas Wash - Sloan Channel to Cedar Avenue Interlocal Amount \$110,000.00

Original Funding Date Expiration Date

06/14/2012 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$110,000.00	\$64,106.74	\$45,893.26
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$110,000.00	\$64,106.74	\$45,893.26

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.LAS29B15

Flamingo-Boulder HWY N-Boulder HWY Sahara to Charleston

Interlocal Amount \$1,226,003.00

Original Funding Date Expiration Date 12/10/2015 12/31/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$4,000.00	\$0.00	\$4,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,218,003.00	\$506,935.50	\$711,067.50
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$4,000.00	\$0.00	\$4,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,226,003.00	\$506,935.50	\$719,067.50

RF.LAS29C16

Flamingo-Bldr Hwy, N Charleston-Maryland Pkwy System Interlocal Amount \$1,215,549.00

Original Funding Date Expiration Date

09/08/2016 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$5,000.00	\$0.00	\$5,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,205,549.00	\$3,019.50	\$1,202,529.50
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,215,549,00	\$3,019.50	\$1 212 529 50

RF.LAS30A13

Gowan-Alexander Rd., Rancho Drive to Decatur Boulevard Interlocal Amount \$711,938.00

Original Funding Date Expiration Date

07/11/2013 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$3,000.00	\$0.00	\$3,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$706,938.00	\$260,779.40	\$446,158.60
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$711,938.00	\$260,779.40	\$451,158.60

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.LLD08A11

Lexington Street Storm Drain Interlocal Amount \$1,000,000.00

Original Funding Date Expiration Date

07/14/2011 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$1,000,000.00	\$926,610.34	\$73,389.66
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,000,000.00	\$926,610.34	\$73,389.66

RF.LLD10B13

Buckskin Avenue Storm Drain Interlocal Amount \$1,200,000.00

Original Funding Date

07/11/2013 12/30/2017

Expiration Date

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$1,200,000.00	\$0.00	\$1,200,000.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,200,000.00	\$0.00	\$1,200,000.00

ENTITY: Mesquite

RF.MES04A15

Virgin River Flood Wall Interlocal Amount \$517,000.00 Original Funding Date Expiration Date

11/12/2015 07/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$208,278.00	\$159,868.64	\$48,409.36
Design	\$291,722.00	\$0.00	\$291,722.00
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$15,000.00	\$0.00	\$15,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$517,000.00	\$159,868.64	\$357,131.36

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLD14A15

Oak Island Drive Storm Drain Interlocal Amount \$497,750.00

Original Funding Date Expiration Date

07/09/2015 12/31/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$497,750.00	\$0.00	\$497,750.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$497,750.00	\$0.00	\$497,750.00

RF.NLV01G11

Ann Road Channel East, ULVW to Fifth Street Interlocal Amount \$1,063,556.00

Original Funding Date Expiration Date 08/11/2011 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$378,556.00	\$316,746.84	\$61,809.16
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$650,000.00	\$644,128.24	\$5,871.76
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$25,000.00	\$0.00	\$25,000.00
Tota!	\$1,063,556.00	\$960,875.08	\$102,680.92

RF.NLV01H13

Las Vegas Wash - "N" Channel, Cheyenne to Gowan Interlocal Amount \$317,990.00

Original Funding Date Expiration Date

10/10/2013 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$38,500.00	\$34,533.51	\$3,966.49
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$244,880.00	\$221,611.18	\$23,268.82
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$23,030.00	\$22,583.97	\$446.03
Other	\$11,580.00	\$11,580.00	\$0.00
Total	\$317,990.00	\$290,308.66	\$27,681.34

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLV01J15

Las Vegas Wash - "N" Channel, Cheyenne to Gowan

Interlocal Amount \$3,158,000.00

Original Funding Date Expiration Date

08/13/2015 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,833,000.00	\$2,582,006.50	\$250,993.50
Const Engineering	\$325,000.00	\$248,773.09	\$76,226.91
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$3,158,000.00	\$2,830,779.59	\$327,220.41

RF.NLV03E13

Hollywood System, Dunes South DB to Centennial Parkway Interlocal Amount \$2,706,972.00

Original Funding Date Expiration Date

10/10/2013 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$1,116,972.00	\$34,682.61	\$1,082,289.39
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,580,000.00	\$840,690.76	\$739,309.24
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,706,972.00	\$875,373.37	\$1,831,598.63

RF.NLV03F17

Range Wash - Ann Branch Interlocal Amount \$1,081,889.00 Original Funding Date
Expiration Date

03/09/2017 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$250,000.00	\$0.00	\$250,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$821,889.00	\$0.00	\$821,889.00
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,081,889.00	\$0.00	\$1,081,889.00

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLV03G17

Hollywood System, Centennial Pkwy-Speedway #2 DB

Interlocal Amount \$897,470.00

Original Funding Date Expiration Date

03/09/2017 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$507,125.00	\$0.00	\$507,125.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$380,345.00	\$0.00	\$380,345.00
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$897,470.00	\$0.00	\$897,470.00

RF.NLV04F07

Simmons Street Drainage Improvements - Carey to Craig Interlocal Amount \$2,323,263.00

Original Funding Date

04/12/2007

Expiration Date

12/31/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$1,240,000.00	\$1,040,853.16	\$199,146.84
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,033,263.00	\$1,030,818.29	\$2,444.71
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$50,000.00	\$31,890.00	\$18,110.00
Total	\$2,323,263.00	\$2,103,561.45	\$219,701.55

RF.NLV04K17

Gowan Outfall, Alexander Rd - Decatur to Simmons Street Interlocal Amount \$1,931,156.00

Original Funding Date Expiration Date

02/09/2017 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,921,156.00	\$0.00	\$1,921,156.00
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,931,156.00	\$0.00	\$1,931,156.00

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLV09E11

Vandenberg North Detention Basin & Outfall

Interlocal Amount \$1,268,000.00

Original Funding Date Expiration Date

04/14/2011 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$30,000.00	\$25,870.55	\$4,129.45
Pre-Design	\$133,000.00	\$123,326.23	\$9,673.77
Design	\$1,100,000.00	\$287,051.14	\$812,948.86
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,268,000.00	\$436.247.92	\$831,752.08

RF.NLV09G13

Centennial Collector

Interlocal Amount \$556,143.00

Original Funding Date

10/10/2013

Expiration Date 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$100,000.00	\$4,621.07	\$95,378.93
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$446,143.00	\$45,465.67	\$400,677.33
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$556,143.00	\$50,086.74	\$506,056.26

RF.NLV09I13

Beltway Detention Basin and Channel Interlocal Amount \$1,034,000.00

Original Funding Date Expiration Date 10/10/2013 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$100,000.00	\$28,309.43	\$71,690.57
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$924,000.00	\$348,397.66	\$575,602.34
Construction	\$6.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$1,185.69	\$8,814.31
Other	\$0.00	\$0.00	\$0.00
Total	\$1,034,000.00	\$377,892.78	\$656,107.22

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLV17C16

Fifth Street Collector, Centennial Pkwy to Deer Springs Way

Interlocal Amount \$726,079.00

Original Funding Date Expiration Date 11/10/2016 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$259,088.00	\$5,952.49	\$253,135.51
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$456,991.00	\$12,971.04	\$444,019.96
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$726,079.00	\$18,923.53	\$707,155.47

RF.NLV18A07

Colton Channel

Interlocal Amount \$1,214,634.00

Original Funding Date Expiration Date 09/13/2007 12/31/2017

ILC Funding Allocation Amount Spent Total Remaining Category Right of Way \$20,000.00 \$448.14 \$19,551.86 Pre-Design \$0.00 \$0.00 \$0.00 Design \$1,154,634.00 \$1,143,393.38 \$11,240.62 Construction \$0.00 \$0.00 \$0.00 Const Engineering \$0.00 \$0.00 \$0.00 \$25,000.00 \$22,956.25 Environmental \$2,043.75 Other \$15,000.00 \$8,250.00 \$6,750.00 \$1,214,634.00 \$1,175,047.77 \$39,586.23 Total

RF.NLV18B07

Brooks Channel

Interlocal Amount \$677,749.00

Original Funding Date Expiration Date

09/13/2007 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$85,000.00	\$9,616.85	\$75,383.15
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$545,839.00	\$544,782.69	\$1,056.31
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$36,910.00	\$24,752.87	\$12,157.13
Other	\$10,000.00	\$0.00	\$10,000.00
Total	\$677,749.00	\$579,152.41	\$98,596.59

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLV18F13

Central Freeway Channel At Cheyenne

Interlocal Amount \$772,549.00

Original Funding Date

12/12/2013

Expiration Date

06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$5,000.00	\$270.36	\$4,729.64
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$767,549.00	\$602,551.12	\$164,997.88
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$772,549.00	\$602,821.48	\$169,727.52

RF.NLV18H14

Brooks Channel

Interlocal Amount \$5,751,000.00

Original Funding Date

09/11/2014

Expiration Date 07/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$5,165,000.00	\$4,465,399.37	\$699,600.63
Const Engineering	\$586,000.00	\$223,076.21	\$362,923.79
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$5,751,009.00	\$4,688,475.58	\$1,062,524.42

RF.NLV18I16

Central Freeway Channel at Cheyenne Interlocal Amount \$11,300,000.00 Original Funding Date Expiration Date

12/08/2016 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$10,690,000.00	\$0.00	\$10,690,000.00
Const Engineering	\$610,000.00	\$0.00	\$610,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$11,300,000.00	\$0.00	\$11,300,000.00

PAY-AS-YOU-GO FUNDED PROJECTS

Pay-As-You-Go Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$49,666,081.04	\$40,120,010.99	\$9,546,070.05
Pre-Design	\$341,278.00	\$283,194.87	\$58,083.13
Design	\$49,105,835.00	\$30,285,467.59	\$18,820,367.41
Construction	\$97,633,408.00	\$37,409,476.28	\$60,223,931.72
Const Engineering	\$7,761,348.00	\$1,801,573.97	\$5,959,774.03
Environmental	\$2,591,915.00	\$1,909,386.33	\$682,528.67
Other	\$10,713,538.96	\$10,259,209.54	\$454,329.42
Total	\$217,813,404.00	\$122,068,319.57	\$95,745,084.43
	Construction Projects = 18	Design / Other Projects = 60	

BOND FUNDED PROJECTS

ENTITY: Clark County

RF.CLA04W16

Flamingo Wash, Eastern Avenue Interlocal Amount \$1,420,000.00

Original Funding Date 05/19/2016 Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$1,300,000.00	\$0.00	\$1,300,000.00
Const Engineering	\$120,000.00	\$0.00	\$120,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,420,000.00	\$0.00	\$1,420,000.00

RF.CLA08T14

Duck Creek, Las Vegas Boulevard Interlocal Amount \$7,400,000.00 Original Funding Date 09/11/2014 Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$6,800,000.00	\$9,385.67	\$6,790,614.33
Const Engineering	\$600,000.00	\$15,211.80	\$584,788.20
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$7,400,000.00	\$24,597.47	\$7,375,402.53

RF.CLA15E13

LVW-Sloan to Stewart-Flam Wash below Nellis Interlocal Amount \$82,884,000.00

Original Funding Date 10/10/2013 Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$74,952,000.00	\$68,462,139.16	\$6,489,860.84
Const Engineering	\$7,932,000.00	\$5,377,109.54	\$2,554,890.46
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$82,884,000.00	\$73,839,248.70	\$9,044,751.30

BOND FUNDED PROJECTS

ENTITY: Clark County

RF.CLA15F16

Las Vegas Wash - Water Reclamation Channel

Interlocal Amount \$3,400,000.00

Original Funding Date 05/19/2016 Expiration Date 05/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$3,400,000.00	\$0.00	\$3,400,000.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$3,400,000.00	\$0.00	\$3,400,000.00

RF.CLA27D13

Flamingo Diversion - Rainbow Branch Interlocal Amount \$10,570,000.00 Original Funding Date 04/11/2013 Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$9,665,000.00	\$8,328,867.67	\$1,336,132.33
Const Engineering	\$905,000.00	\$882,038.53	\$22,961.47
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$10,570,000.00	\$9,210,906.20	\$1,359,093.80

ENTITY: Henderson

RF.HEN05G16

Horizon Ridge Detention Basin Interlocal Amount \$8,294,400.00

Original Funding Date 04/14/2016 Expiration Date 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$7,680,000.00	\$0.00	\$7,680,000.00
Const Engineering	\$614,400.00	\$0.00	\$614,400.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$8,294,400.00	\$0.00	\$8,294,400,00

BOND FUNDED PROJECTS

ENTITY: Henderson

RF.HEN06J13

Equestrian Detention Basin Expansion Interlocal Amount \$1,098,200.00

Original Funding Date 04/11/2013 Expiration Date 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$1,012,000.00	\$968,496.37	\$43,503.63
Const Engineering	\$86,200.00	\$57,268.15	\$28,931.85
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,098,200.00	\$1,025,764.52	\$72,435.48

RF.HEN12J16

Palm Hills Channel

Interlocal Amount \$2,830,880.00

Original Funding Date 04/14/2016 Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,598,738.00	\$1,028,968.69	\$1,569,769.31
Const Engineering	\$232,142.00	\$57,483.95	\$174,658.05
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,830,880.00	\$1,086,452.64	\$1,744,427.36

RF.HEN23B16

Center Street Storm Drain Interlocal Amount \$9,731,435.15 Original Funding Date 03/10/2016 Expiration Date 03/10/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$8,915,326.25	\$0.00	\$8,915,326.25
Const Engineering	\$816,108.90	\$0.00	\$816,108.90
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$9,731,435.15	\$0.00	\$9,731,435.15

Current Project Expense Summary

BOND FUNDED PROJECTS

ENTITY: Henderson

RF.HLD06A15

Appaloosa Storm Drain

Interlocal Amount \$925,834.35

Original Funding Date 07/09/2015 Expiration Date 07/09/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$925,834.35	\$0.00	\$925,834.35
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$925,834.35	\$0.00	\$925,834.35

ENTITY: Las Vegas

RF.LAS05E03

Oakey - Meadows Storm Drain Interlocal Amount \$5,470,354.00 Original Funding Date 08/14/2003 Expiration Date 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$50,000.00	\$20,302.54	\$29,697.46
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$5,320,354.00	\$5,193,511.06	\$126,842.94
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$100,000.00	\$8,071.80	\$91,928.20
Total	\$5,470,354.00	\$5,221,885.40	\$248,468.60

RF.LAS05K15

Oakey-Meadows Storm Drain, Phase III Interlocal Amount \$24,961,221.00

Original Funding Date 02/12/2015 Expiration Date 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0,00
Design	\$0.00	\$0.00	\$0.00
Construction	\$23,811,221.00	\$23,779,857.34	\$31,363.66
Const Engineering	\$1,150,000.00	\$485,285.29	\$664,714.71
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$24,961,221.00	\$24,265,142.63	\$696,078.37

Current Project Expense Summary

BOND FUNDED PROJECTS

ENTITY: Las Vegas

RF.LAS14D14

Freeway Channel-Washington, MLK to Rancho Drive

Interlocal Amount \$11,405,343.00

Original Funding Date 02/13/2014 Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$10,500,343.00	\$0.00	\$10,500,343.00
Const Engineering	\$905,000.00	\$63,996.90	\$841,003.10
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$11,405,343.00	\$63,996.90	\$11,341,346.10

ENTITY: North Las Vegas

RF.NLV01I14

Ann Road Channel East, ULVW to Fifth Street

Interlocal Amount \$5,838,100.00

Original Funding Date 03/13/2014 Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$5,258,100.00	\$5,231,912.52	\$26,187.48
Const Engineering	\$580,000.00	\$267,109.26	\$312,890.74
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$5,838,100.00	\$5,499,021.78	\$339,078.22

RF.NLV04J14

Simmons Street Drainage Impyments-Alexander to Gowan Outfall Interlocal Amount \$16,066,600.00

Original Funding Date 02/13/2014 Expiration Date 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$14,573,600.00	\$13,543,617.18	\$1,029,982.82
Const Engineering	\$1,493,000.00	\$1,334,606.91	\$158,393.09
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$16,066,600.00	\$14,878,224.09	\$1,188,375.91

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5/9/2017 - proexpsum4440

Current Project Expense Summary

BOND FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLV09H14

Centennial Collector

Interlocal Amount \$2,933,250.00

Original Funding Date 02/13/2014 Expiration Date 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,548,050.00	\$2,242,877.36	\$305,172.64
Const Engineering	\$385,200.00	\$14,045.56	\$371,154.44
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,933,250.00	\$2,256,922.92	\$676,327.08

RF.NLV18G14

Colton Avenue Flood Control Improvements Interlocal Amount \$7,535,000.00 Original Funding Date 05/15/2014 Expiration Date 07/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$6,850,000.00	\$6,460,435.00	\$389,565.00
Const Engineering	\$685,000.00	\$351,483.64	\$333,516.36
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$7,535,000.00	\$6,811,918.64	\$723,081.36

Bond Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$50,000.00	\$20,302.54	\$29,697.46
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$5,320,354.00	\$5,193,511.06	\$126,842.94
Construction	\$180,790,212.60	\$130,056,556.96	\$50,733,655.64
Const Engineering	\$16,504,050.90	\$8,905,639.53	\$7,598,411.37
Environmental	\$0.00	\$0.00	\$0.00
Other	\$100,000.00	\$8,071.80	\$91,928.20
Total	\$202,764,617.50	\$144,184,081.89	\$58,580,535.61
	Construction Projects = 16	Design / Other Projects = 1	

Capital Improvement Program - Open Projects Summary

Pay-As-You-Go And Bond Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$49,716,081.04	\$40,140,313.53	\$9,575,767.51
Pre-Design	\$341,278.00	\$283,194.87	\$58,083.13
Design	\$54,426,189.00	\$35,478,978.65	\$18,947,210.35
Construction	\$278,423,620.60	\$167,466,233.24	\$110,957,387.36
Const Engineering	\$24,265,398.90	\$10,707,213.50	\$13,558,185.40
Environmental	\$2,591,915.00	\$1,909,386.33	\$682,528.67
Other	\$10,813,538.96	\$10,267,281.34	\$546,257.62
Total	\$420,578,021.50	\$266,252,601.46	\$154,325,420.04
	Construction Projects = 34	Design / Other Projects = 61	

Pay-As-You-Go Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$49,666,081.04	\$40,120,010.99	\$9,546,070.05
Pre-Design	\$341,278.00	\$283,194.87	\$58,083.13
Design	\$49,105,835.00	\$30,285,467.59	\$18,820,367.41
Construction	\$97,633,408.00	\$37,409,476.28	\$60,223,931.72
Const Engineering	\$7,761,348.00	\$1,801,573.97	\$5,959,774.03
Environmental	\$2,591,915.00	\$1,909,386.33	\$682,528.67
Other	\$10,713,538.96	\$10,259,209.54	\$454,329.42
Total	\$217,813,404.00	\$122,068,319.57	\$95,745,084.43
	Construction Projects = 18	Design / Other Projects = 60	

Bond Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$50,000.00	\$20,302.54	\$29,697.46
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$5,320,354.00	\$5,193,511.06	\$126,842.94
Construction	\$180,790,212.60	\$130,056,556.96	\$50,733,655.64
Const Engineering	\$16,504,050.90	\$8,905,639.53	\$7,598,411.37
Environmental	\$0.00	\$0.00	\$0.00
Other	\$100,000.00	\$8,071.80	\$91,928.20
Total	\$202,764,617.50	\$144,184,081.89	\$58,580,535.61
	Construction Projects = 16	Design / Other Projects = 1	

Boulder City

PROJECT	NAME	STATUS	TOTAL
BOU01A87	Hemenway Wash	Closed	4,649,000.00
BOU01B88	Hemenway Wash Debris Basin	Closed	0.00
BOU01C10	Hemenway System, Phase II Improvements	Open	745,000.00
BOU01D17	Hemenway System, Phase IIA Improvements	Open	2,222,694.00
BOU02A88	Georgia Avenue Channel	Closed	613,590.23
BOU03A88	Buchanan Blvd. Channel	Closed	412,719.91
BOU03B98	Buchanan Watershed Facilities	Closed	420,240.41
BOU03C10	Buchanan Blvd., Phase III Improvements	Closed	344,263.01
BOU03D11	Buchanan Blvd., Phase III Improvements	Closed	0.00
BOU03E12	Buchanan Blvd., Phase III Improvements	Closed	4,689,402.24
BOU04A96	West Airport Watershed	Closed	128,138.69
BOU04B97	West Airport Watershed Construction	Closed	1,839,686.60
BOU04C01	Hemenway Wash	Closed	101,580.75
BOU05A98	North Railroad Watershed (Industrial Road Facility)	Closed	448,873.75
BOU05B00	North Railroad Watershed, Veteran Memorial Dr Culvert	Closed	129,206.79
BOU05G07	Yucca Street Drainage	Closed	71,036.09
BOU05H07	Bootleg Canyon Detention Basin Outfall	Closed	521,408.23
BOU05J10	North Railroad Conveyance	Open	530,000.00
BOU05K11	Bootleg Canyon Detention Basin, Phase II	Closed	829,854.43
BOU05L11	North Railroad Conveyance	Closed	3,503,502.20
BOU06A99	Ville Drive Flood Control Facilities	Closed	144,261.08
BOU06B01	Ville Drive Flood Control Facilities	Closed	747,314.67
			022 001 552 00

\$23,091,773.08

Clark County

PROJECT	NAME	STATUS	TOTAL
CLA01A87	Upper Flamingo Wash Detention Basin & Outfall	Closed	6,932,932.63
CLA01B04	F4 Patrick Lane/Ft Apache Road Lateral	Closed	482,000.00
CLA01D07	Flamingo Hacienda	Closed	4,037,385.53
CLA02A88	Rawhide Channel	Closed	69,932.30
CLA02B90	Rawhide Channel/Eastern Av Drainage Structure	Closed	155,540.00
CLA02C90	Rawhide Channel/Eastern Outfall	Closed	115,000.00
CLA02D90	Rawhide Channel/Eastern-Topaz	Closed	1,069,252.07
CLA02E91	Rawhide Channel/McLeod-Mtn Vista	Closed	166,990.74
CLA02G99	Rawhide Channel at Sagebrush Street	Closed	441,753.51
CLA03A88	Van Buskirk Channel - Predesign	Closed	118,463.30
CLA03B90	Van Buskirk Channel Outfall	Closed	3,332,227.08
CLA03C90	Van Buskirk Channel - ROW	Closed	(202,889.63)
CLA03D91	Van Buskirk System/Spencer-Rochelle	Closed	808,963.97
CLA03H93	Van Buskirk Channel / Phases IIA & VI Construction	Closed	6,112,843.32
CLA04A89	Flamingo Wash Bridge @ Eastern	Closed	61,900.00
CLA04B89	Flamingo Wash Bridge @ Arville	Closed	294,818.61
CLA04C90	Flamingo Wash Bridge @ Paradise & Palos Verde	Closed	1,711,276.60
CLA04D93	Flamingo Wash - Winnick Ave. Improvements	Closed	2,739,120.64
CLA04E99	Flamingo Wash, McLeod Dr to Maryland PKWY	Open	2,980,000.00
CLA04F99	Flamingo Wash, I-515 to McLeod Dr	Closed	1,252,537.43
CLA04G00	Flamingo Wash at Boulder Highway	Closed	860,102.20
CLA04H00	Flamingo Wash, Boulder Highway to Mojave Rd	Closed	6,284,809.40
CLA04I01	Flamingo Wash, Spencer Street Bridge & Approach Channel	Closed	2,436,743.83
CLA04M06	Flamingo - Boulder HWY N, Sahara Ave to Flamingo Wash	Closed	1,027,029.82
CLA04Q08	Flamingo Wash, Nellis Blvd to I-515	Closed	995,990.90

Clark County

CLA04R08 Flamingo Wash, Desert Inn to Eastern Avenue Closed 7,869,248,86 CLA04U10 Flamingo-Boulder Highway North, Sahara Ave to Flamingo Wash Closed 10,933,404,28 CLA04V10 Flamingo-Boulder Highway North, Sahara Ave to Flamingo Wash Closed 11,132,175,16 CLA04A91 Duck Creek Bridges @ Tomiyasu & La Casita Closed 814,243,47 CLA07A92 Sloan Channel (Las Vegas Wash to Owens) Closed 4,820,788,11 CLA07B01 Sloan Channel, Las Vegas Wash to Owens) Closed 480,788,11 CLA08B02 Lower Duck Creek Detention Basin Facilities Closed 807,918,53 CLA08B03 Lower Duck Creek Detention Basin Collegated Closed 807,918,53 CLA08B05 Lower Duck Creek Detention Basin Collegated Closed (11,828,26) CLA08B03 Duck Creek, Lower Detention Basin and Collegated Closed 477,281,04 CLA08B03 Duck Creek, Lower Detention Basin and Collegated Closed 477,281,04 CLA08B03 Duck Creek, Raifroad Detention Basin and Collegated Closed 673,683,44 CLA08B03 Duck Creek Channel, Silverado Ranch Bivd to Las Ve	PROJECT	NAME	STATUS	TOTAL
CLA04U10 Flamingo-Boulder Highway North, Sahara Ave to Flamingo Wash Closed 10,933,404.28 CLA04SA91 Duck Creek Bridges @ Tomiyasu & La Casita Closed 41,243.47 CLA06A91 Runge Wash Confluence Detention Basin Facilities Closed 479,952.25 CLA07A92 Sloan Channel (Las Vegas Wash to Owens) Closed 479,952.25 CLA07A92 Sloan Channel, Las Vegas Wash to Charleston Closed 340,747.81 CLA08A93 Lower Duck Creek DB ROW Closed 369,7918.53 CLA08B93 Lower Duck Creek DB ROW Closed 5,921,794.42 CLA08D01 Duck Creek, Lower Detention Basin Solvendo Ranch Blvd Closed 9,691,844.67 CLA08B05 Duck Creek, Lower Detention Basin Solvendo Ranch Blvd Closed 673,683.44 CLA08B01 Duck Creek, Lower Detention Basin Solvendo Ranch Blvd Closed 673,683.44 CLA08B05 Duck Creek, Railroad Detention Basin Closed 673,683.44 CLA08B08 Duck Creek, Railroad Detention Basin Closed 13,302,732.94 CLA08W08 Duck Creek, Lase Desa Boulevard Open 480,000.00				
CLA04V10 Flamingo Wash, Nellis Boulevard to 1-515 Closed 11,132,175,16 CLA05A91 Duck Creek Bridges @ Tomiyasu & La Casita Closed 479,952,25 CLA07A92 Solan Channel (Las Vegas Wash to Owens) Closed 479,952,25 CLA07B01 Sloan Channel, Las Vegas Wash to Charleston Closed 340,748,18 CLA08B02 Lower Duck Creek Detention Basin Predesign Closed 807,918,53 CLA08B03 Lower Duck Creek Detention Basin Predesign Closed 5921,794,42 CLA08B03 Lower Duck Creek Detention Basin to 1-15 Closed 5921,794,42 CLA08B03 Duck Creek, Lower Detention Basin to 51lverado Ranch Blvd Closed 96,91,844,62 CLA08B03 Duck Creek, Railroad Detention Basin Closed 13,72,81,04 CLA08B05 Duck Creek, Railroad Detention Basin Closed 673,683,44 CLA08R07 Duck Creek, Railroad Detention Basin Closed 673,683,44 CLA08R13 Duck Creek at Dean Martin Closed 13,302,732,94 CLA08R13 Duck Creek at Dean Martin Open 485,000,00 CLA09A97				
CLA05A91 Duck Creek Bridges @ Tomiyasu & La Casita Closed 814,243.47 CLA07A92 Range Wash Confluence Detention Basin Facilities Closed 4,820,788.11 CLA07B01 Sloan Channel (Las Vegas Wash to Owens) Closed 4,820,788.11 CLA08A92 Lower Duck Creek Detention Basin Fredesign Closed 807,918.53 CLA08B93 Lower Duck Creek Detention Basin Fredesign Closed 5,921,794.42 CLA08B091 Lower Duck Creek Cettention Basin & Outfall Channel Closed 5,921,794.42 CLA08B010 Duck Creek, Lower Detention Basin to 5115 Closed 3,717,281.04 CLA08B03 Duck Creek, Lower Detention Basin to Closed 673,683.44 CLA08R010 Duck Creek, Lower Detention Basin to Closed 1,717,281.04 CLA08R013 Duck Creek, Railroad Detention Basin Closed 1,302,732.94 CLA08R010 Duck Creek, Railroad Detention Basin Closed 1,302,732.94 CLA08R013 Duck Creek, Railroad Detention Basin and Outfall Facilities Open 480,000.00 CLA08R13 Silverado Ranch Detention Basin and Outfall Facilities Open 1,370,000.00				
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Clark County

PROJECT	NAME	STATUS	TOTAL
CLA16B00	Upr Duck, Ctrl Duck, Lower Blue Dia, & Bird Springs DB	Closed	1,363,624.69
CLA16F04	Lower Blue Diamond Detention Basin Collector Channel	Closed	8,060,995.11
CLA16G05	Blue Diamond Wash Wigwam, UPRR to Jones Boulevard	Closed	535,000.00
CLA16H06	Blue Dia Wash S Rainbow, Pebble - Raven & Wigwam - Ford	Closed	2,444,155.20
CLA16I07	Lower Blue Diamond Detention Basin Outfall	Closed	1,694,368.59
CLA16J07	Blue Diamond Wash Wigwam, Jones Blvd to Rainbow	Closed	357,603.89
CLA16K07	Upper Duck Creek Detention Basin	Closed	3,000,000.00
CLA17E04	Blue Diamond Channel, Rainbow Branch	Closed	1,495,409.16
CLA19A99	Red Rock Channel, Naples Branch	Closed	1,333,173.93
CLA19C02	Red Rock Channel, Naples Branch - Flamingo Connector	Closed	674,561.31
CLA20A99	Washington Collection System	Closed	69,701.68
CLA20B00	Washington Collection System	Closed	680,964.62
CLA21A00	Orchard Detention Basin	Open	1,674,700.00
CLA21B12	Orchard Detention Basin	Closed	4,929,886.35
CLA22A00	Flamingo Diversion - Jones Branch	Closed	100,001.71
CLA22B03	Flamingo Diversion - Jones Branch	Closed	1,100,000.00
CLA26C08	Flam Div - South Buffalo Branch, Flamingo Wash to Patrick Lane	Closed	776,336.79
CLA27C08	Flamingo Diversion - Rainbow Branch	Open	1,030,000.00
CLA35A11	Tropicana Avenue Conveyance, LVW to Mtn. Vista	Closed	249,789.19
CLD02A11	Annie Oakley Drive at Rawhide Channel Storm Drain	Closed	84,203.00
CLD04A08	Twain at Pecos-McLeod Storm Drain	Closed	442,521.57
CLD07A07	Sunrise Area Storm Drain	Closed	914,982.31
CLD07B08	Carey Avenue Storm Drain	Closed	1,351,525.62
CLD07C10	Sunrise Ave. Storm Drain, Fogg St. to Clayton St.	Closed	154,935.40
CLD07D12	Toiyabe Street Storm Drain	Closed	0.00
CLD14A10	Tunis Ave and Karvel Street Storm Drain	Closed	189,391.53
CLD15A09	Olive Street Storm Drain, US-95 to Palm Street	Closed	800,286.13
CLD17A09	Las Vegas Blvd/Serene Ave Storm Drain	Closed	133,338.79
CLD20A12	Washington/Hollywood Storm Drain	Closed	259,862.20
CLD98A06	Hickam Avenue Storm Drain	Closed	465,091.07
CLD99A05	Red Coach Ave/Cimarron Rd Improvements	Closed	388,200.00
			\$230,784,121.20

Clark County Outlying

PROJECT	NAME	STATUS	TOTAL
BUN01A90	Bunkerville Channel (aka Windmill Channel)	Closed	817,795.45
BUN01B98	Bunkerville Flood Control Improvements	Closed	5,734,536.80
BUN01C05	Windmill Wash Outfall	Closed	2,839,135.00
BUN01D11	Windmill Wash Detention Basin Expansion	Open	880,000.00
GSP01A88	Goodsprings Flood Control Improvements	Closed	72,275.84
GSP01B10	Goodsprings - Phase I	Open	83,400.00
IND01A98	Indian Springs Flood Control Improvements	Closed	579,193.24
LAU01A89	Unnamed Wash, Laughlin	Closed	349,995.99
LAU02A89	Hiko Springs, Laughlin	Closed	369,974.40
LAU02B92	Hiko Springs, Laughlin, Remap	Closed	8,000.00
LAU03A96	Hiko Springs Outfall Channel	Closed	7,771,291.25
LAU04A08	SR 163 at Casino Drive	Open	473,500.00
MOA01A89	Cooper Ave. Crossing - Moapa Valley	Closed	185,000.00
MOA01B89	Muddy River West Levee, Moapa Valley	Open	13,501,000.00
MOA01C06	Muddy River, Gubler Avenue Bridge	Closed	745,638.67
MOA01D07	Muddy River, Gubler Avenue Bridge	Closed	5,319,472.98

Clark County Outlying

PROJECT	NAME	STATUS	TOTAL
MOA01E08	Muddy River & Trib - Cooper Ave to Yamashita St	Closed	966,120.32
MOA01F10	Muddy River Logandale Levee	Open	6,977,500.00
MOA01G11	Muddy River, Cooper Street Bridge	Closed	15,793,908.74
MOA01H15	Muddy River Logandale Levee	Open	7,200,000.00
MOA02A89	Logan Wash (aka Benson), Moapa Valley	Closed	235,040.74
MOA02B92	Logan Wash Construction	Closed	3,510,528.60
MOA03A11	Fairgrounds Detention Basin	Open	964,000.00
NEL01A88	Nelson Flood Control Improvements	Closed	2,961.95
SEA01A88	Searchlight Flood Control Improvements	Closed	861,099.97
SEA01B99	Searchlight Flood Control Improvements	Closed	5,500.00
SEA02A07	Searchlight - West, US-95	Closed	162,000.00
SEA03A09	Searchlight - South, Encinitas St Storm Drain	Open	138,000.00
			\$76,546,869.94

COE/Clark County

PROJECT	NAME	STATUS	TOTAL
COEESCRO	COE Escrow Account	Closed	15,126,215.56
COEG194	COE General Project Information	Closed	97,744.28
COEG294	Tropicana & Flamingo Washes	Open	36,259,348.00
COETF	TROPFLAM-Haz Mat	Closed	280,550.00
			\$51,763,857.84

Henderson

PROJECT	NAME	STATUS	TOTAL
HEN01A87	Pittman Wash Channel Design (Phases I, II, III)	Closed	533,554.14
HEN01B87	Warm Springs & Stephanie Street Bridges	Closed	1,660,108.81
HEN01C90	Pittman Wash Channel - Phase I Construction	Closed	2,744,110.10
HEN01F00	Pittman Wash Lower Reach	Closed	324,343.79
HEN01H09	Pittman Wash, Duck Creek at I-515	Open	402,705.00
HEN01I14	Pittman Wash, Duck Creek at I-515	Open	2,489,875.00
HEN02A89	Green Valley Parkway Bridge	Closed	1,128,513.78
HEN03A91	UPRR Channel	Closed	117,073.57
HEN04A91	C-1 Predesign / Mission Hills Design	Closed	1,009,074.06
HEN04B93	C-1 Channel / Lake Mead Dr. to Burkholder Design	Closed	173,333.98
HEN04E96	Mission Hills Western Interceptor Diversion	Closed	2,636,599.02
HEN04F97	Black Mountain Detention Basin	Closed	275,048.92
HEN04I98	C-1 Channel (Culvert) at Lake Mead	Closed	907,210.00
HEN04K99	Upper and Middle Reaches of the C-1 Channel	Closed	521,871.29
HEN04O09	C-1, Four Kids Wash - Lake Mead to Eagle Rock	Closed	22,905.46
HEN04P09	Racetrack Channel, Drake to Burkholder	Open	247,099.00
HEN04Q15	Racetrack Channel, Drake to Burkholder	Open	1,037,650.00
HEN05A92	Sunset D B, Collection Sys, & Outfall (Pioneer DB)	Closed	3,749,294.23
HEN05C01	Pioneer Detention Basin	Closed	4,323,566.57
HEN05D09	Pioneer Detention Basin Expansion and Inflow	Closed	325,840.81
HEN05E09	Pittman, Horizon Ridge Detention Basin	Open	727,285.00
HEN06A93	Equestrian Drive Detention Basin	Closed	388,624.49
HEN06B95	Equestrian Detention Basin	Closed	6,128,895.08
HEN06C02	Equestrian Detention Basin Outfall	Closed	681,288.27
HEN06D05	C-1 Equestrian Tributary	Closed	227,591.57
HEN06F08	C-1 Equestrian Tributary	Closed	2,711,795.15

Henderson

PROJECT	NAME	STATUS	TOTAL
HEN06G08	Equestrian Detention Basin Outfall - Heritage Channel	Closed	4,200,444.03
HEN06H09	Equestrian Detention Basin Expansion	Open	346,797.00
HEN06IO9	Equestrian Tributary Phase II	Closed	405,636.14
HEN07A96	Pittman Park Detention Basin	Closed	1,546,249.59
HEN07B09	Pittman Wash, UPRR to Santiago	Closed	843,016.21
HEN07D09	Whitney Wash Channel	Closed	130,264.67
HEN07E11	Pittman Wash, UPRR to Santiago	Closed	8,796,470.83
HEN08A96	Railroad East Detention Basin	Closed	6,416,341.47
HEN08B08	Pittman Railroad East Conveyance	Closed	444,380.89
HEN08C08	Pittman Railroad East Conveyance	Closed	8,518,517.91
HEN09A99	Pittman East Detention Basin (collapse with HEN09A97)	Closed	119,918.19
HEN09B00	Pittman Eastern Detention Basin	Closed	6,099,436.41
HEN09D09	Pittman Seven Hills Park Channel	Closed	0.00
HEN10B99	South Pittman Detention Basin	Closed	3,202,101.72
HEN12A99	Gibson Channel at Sunset Road	Closed	40,125.00
HEN12B01	Gibson Channel Culvert at Sunset Road	Closed	364,211.76
HEN12C02	Gibson Conveyance System	Closed	237,718.78
HEN12F05	Pittman Gibson, Warm Springs Road to Kelso Dunes Avenue	Closed	10,000.00
HEN12GO6	Pittman Wash - Burns	Closed	4,251,084.08
HEN12H09	Pittman Burns, Sunset to Galleria	Closed	770,231.86
HEN12I09	Pittman, West Horizon - Palm Hills	Open	275,078.00
HEN13A00	Boulder Highway Channel	Closed	360,070.00
HEN14A00	Pittman Pecos West Conveyance & Eastern Ave Tributary	Closed	2,355,800.39
HEN14B06	Pittman Pecos West Conveyance & Eastern Ave Tributary	Closed	6,787,948.72
HEN15A00	Pittman Wash Railroad Channel	Closed	568,801.51
HEN16A01	Pittman North Detention Basin & Outfall	Open	2,181,514.00
HEN16D15	Pittman North Detention Basin and Outfall, Phase 1	Open	4,342,105.00
HEN16E15	Pittman North DB & Outfall, Phase II - Starr Avenue	Open	2,000,321.00
HEN19B06	Northeast Detention Basin Outfall	Closed	337,852.88
HEN19C07	Northeast Detention Basin, Levee and Outfall	Closed	13,366,601.89
HEN21A05	Pittman Railroad, MacDonald Ranch Channel	Closed	253,025.49
HEN21B08	Pittman Railroad, MacDonald Ranch Channel	Closed	2,025,749.22
HEN22A09	Anthem Pkwy Channel, Horizon Ridge to Sienna Heights	Open	179,474.00
HEN23A09	Center Street Storm Drain	Open	584,255.00
HEN24A11	Duck Creek, Sunset to Sandhill	Open	590,746.00
HEN24B13	Duck Creek, Sunset to Sandhill	Closed	3,475,829.83
HLD15A06	Blackridge Road Storm Drain System	Closed	529,071.04
			\$122,452,447.60

PROJECT	NAME	STATUS	TOTAL
LAS01A87	Angel Park Detention Basin Outflow Structure	Closed	397,978.73
LAS01B95	Angel Park Detention Basin Expansion	Closed	1,356,534.40
LAS01D09	Angel Park North - Detention Basin	Closed	597,382.00
LAS02A87	Buffalo Channel	Closed	4,167,183.73
LAS02B91	Buffalo Channel/Summerlin PKWY - Vegas Drive	Closed	126,491.20
LAS02C91	Buffalo Channel/Westcliff-Summerlin Pkwy	Closed	471,594.88
LAS02D92	Buffalo Channel/Doe AvWestcliff Dr	Closed	84,175.72
LAS02F93	Buffalo Channel / Doe-Westcliff	Closed	1,685,430.55
LAS03A89	Gowan Rd Detention System	Closed	195,685.16
LAS03B89	Gowan Detention Basin & Outfall	Closed	4,813,519.80

PROJECT	NAME	CTATUS	TOTAL
LAS03D98	Gowan South Detention Basin Expansion	STATUS Classed	TOTAL
LAS03E00	Gowan South DB Expansion	Closed Closed	126,398.42
LAS03E00 LAS04A87	Oakey Boulevard System	Closed	2,609,639.23
LAS04A07 LAS04B90	Oakey Bl System	Closed	111,106.72
LAS04D90 LAS04C91	Oakey Bl System/Decatur Bl Crossing	Closed	631,418.63
LAS04E94	Oakey Conveyance Phase II	Closed	35,000.00
LAS05A87	Meadows Detention Basin	Closed	1,083,848.86 120,000.00
LAS05A87	Meadows Detention Basin Meadows Detention Basin	Closed	
LAS05C00	Meadows Detention Basin Expansion (Resol 00-2)	Closed	3,432,123.00 150,000.00
LAS05D01	Meadows Detention Basin Expansion (Resol 00-2) Meadows Detention Basin Expansion (Resol 01-3)	Closed	3,422,258.00
LAS05H08	Alta Parallel System	Closed	8,165,350.58
LAS051108	Oakey-Meadows Storm Drain, Phase I	Closed	12,686,286.59
LAS05J10	Oakey Meadows Storm Drain-Phase II	Closed	9,822,984.14
LAS05310 LAS06A87	Major Conveyance System West of I-15	Closed	229,005.59
LAS06B87	Major Conveyance System West of I-15	Closed	
LAS06C93	Freeway Channel/Sahara - Ivanhoe	Closed	29,022.50
	Durango Storm Drain	Closed	670,067.29
LAS07A89 LAS08A89		Closed	596,059.22
	Carey Ave./Lake Mead Detention & Conveyance System		6,148,651.98
LAS09A89	Washington Ave. System Washington Ave. System/Sandhill-Bruce	Closed	313,726.91
LAS09B91		Closed	497,000.00
LAS09D92	Washington Ave./Sandhill-Virgil Washington/Sagman-LV Creek Right-of-Way	Closed	1,594,925.69
LAS09F93		Closed	245,428.78
LAS09G94	Washington Ave. / Lena-Eastern (LOMR)	Closed	4,643,824.92
LAS09H94	Upper Washington Channel & Freeway Channel	Closed	1,206,684.74
LAS09196	Washington/Eastern-Sagman	Closed	3,078,027.28
LAS09J97	Freeway Channel System - Alta Drive to UPRR	Closed	13,839,202.95
LAS09K97	Upper Washington Avenue - Sagman to Bonanza Freeway Channel - Alta Dr to Sahara Avenue	Closed	4,421,963.25
LAS09L98 LAS09M98	Freeway Channel North/ Washington Avenue - Vegas Drive	Closed	2,778,531.48
	Freeway Channel - Alta Dr to Sahara Ave & Bypass Facility	Closed	257,916.45
LAS09O99 LAS09P00	Freeway Channel - Alta to Sahara & Bypass Facilities (CM)	Closed	(5,613.65)
LAS09P00 LAS09R01	Las Vegas Creek Channel - Parallel System at Decatur Blvd (Resol 01-4)	Closed Closed	2,280,263.22
LAS09U05	Las Vegas Creek Channel - Parallel System Las Vegas Creek Channel - Parallel System	Closed	247,000.00
LAS09V05	Oakey Drain, Birch Street to Cahlan Drive	Closed	5,628,281.00 851,548.86
LAS09V03	Oakey Drain, Birch Street to Cahlan Drive	Closed	6,500,607.90
LAS09Y09	Oakey Drain - Cahlan Dr to Barnard Dr	Closed	370,483.19
LAS10A91	Gowan North Channel	Closed	110,000.00
LASIOR91 LASIOB93	CAM-10 & Lone Mtn. Detention Basins Predesign	Closed	212,800.00
LAS10D95	Lone Mtn. Detention Basin	Closed	905,972.72
LAS10D95	Gowan North Channel - Gowan North Detention Basin	Closed	904,292.71
LAS10E97	Gowan North Channel - Gowan Detention Basin to Buffalo	Closed	3,150,210.59
LAS10F97	Gowan Outfall Lone Mtn Branch - Ferrell St to Kenny Way	Closed	111,327.87
LASTOTO7	Gowan North Buffalo Branch (Chnl) - Atwood to Lone Mtn Rd	Closed	285,859.78
LAS101198	Gowan North Chnl-Alexander Dr to Lone Mtn Rd & LM Outfall	Closed	651,405.16
LAS10590	CAM 10 Detention Basin (aka Ann Road DB)	Closed	682,577.04
LASIOL99	Gowan North-Buffalo Branch	Closed	162,106.81
LAS10D99	Gowan North - Buffalo Branch (Gowan Road & Buckskin Ave)	Closed	608,179.39
LASTONIOO LASTONIOO	Gowan Outfall, Lone Mountain Branch (Allen Lane-Ferrell)	Closed	1,545,053.54
LASTONOO LASTOPOO	Gowan/Lone Mountain System - Gilmore Channel (CM)	Closed	8,492.19
LAS10700 LAS10Q01	Gowan/Lone Mountain System - Gilmore Channel (Developer Participati		1,383,723.00
LAS10Q01	Gowan North - Buffalo Branch (Cheyenne Avenue to Lone Mtn Road)	Closed	2,462,085.23
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PROJECT	NAME	STATUS	TOTAL
LAS10Y05	Gowan Lone Mountain System - Cliff Shadows Park	Closed	1,549,850.67
LAS11A92	Rampart Storm Drain (Angel Park-Peccole 1)	Closed	44,809.03
LAS11B93	Rampart Storm Drain Construction	Closed	185,842.34
LAS12A92	Alta Storm Drain (Meadows V)	Closed	851,465.76
LAS13A92	Cheyenne Channel / Buffalo - Gowan Design	Closed	86,475.85
LAS13B94	Cheyenne Channel Crossings Developer Participation	Closed	709,000.00
LAS13C93	Cheyenne Channel / Buffalo - Gowan	Closed	1,107,787.47
LAS14A95	Washington Avenue - I-15 to Martin Luther King	Closed	74,429.00
LAS14B00	Washington Avenue & Freeway Channel North	Closed	4,887,278.94
LAS14C11	Freeway Channel-Washington, MLK to Rancho Drive	Open	998,510.00
LAS15A95	Oakey Storm Drain - I-15 to Decatur Blvd	Closed	391,238.42
LAS16A98	Ann Road Channel West/ Allen Lane - Rancho Drive	Closed	657,583.31
LAS16B99	Rancho Road System/Centennial PKWY to Rancho DB	Closed	1,198,151.00
LAS16C99	Rancho Road System/Centennial PKWY to Rancho DB	Closed	17,697.53
LAS16G07	Rancho Detention Basin, Phase II	Closed	3,953,168.82
LAS16H07	Rancho Drive System - El Campo Grande Storm Drain	Closed	4,634,244.76
LAS16I09	Ann Rd Channel West - Rainbow Blvd	Closed	475,475.33
LAS16J09	Rancho System - Beltway to Elkhorn	Open	962,076.00
LAS16L11	Rancho Road System - Elkhorn, Ft Apache to Grand Canyon	Open	400,000.00
LAS16M12	Ann Road Channel West - Rainbow Boulevard	Closed	3,474,459.19
LAS16N13	Rancho System - Beltway to Elkhorn Road	Open	9,535,541.00
LAS16O13	Rancho Rd System-Elkhorn, Fort Apache to Grand Canyon	Open	2,358,400.00
LAS16P15	Rancho Road System - Elkhorn, Grand Canyon to Hualapai	Open	554,000.00
LAS17A98	Las Vegas Wash/ Rancho Drive System (Peak Dr - Lake Mead)	Closed	419,095.42
LAS17D02	Las Vegas Wash - Rancho Drive System (Carey/Lake Mead DB to Peak I	Closed	6,273,291.56
LAS17F07	Peak Drive System (Jones Blvd to Michael Way)	Closed	4,501,941.03
LAS18A98	Las Vegas Wsh/Smoke Ranch Sys: Peak Dr/Torrey Pines-Jones	Closed	147,617.92
LAS18B00	Las Vegas Wash - Smoke Ranch System (Peak Drive: Torrey Pines - Jone	Closed	1,782,103.78
LAS19A99	Owens Avenue System: Rancho Drive to I-15	Closed	292,162.08
LAS19B01	Owens Avenue System (Rancho Drive to I-15)	Closed	4,430,278.94
LAS19D11	Vegas Dr Storm Drain - Rancho to Shadow Mountain	Closed	10,997,022.53
LAS20A00	Rancho Rd System: Durango to US-95 Interchange	Closed	448,364.70
LAS22B05	Las Vegas Wash - Jones Blvd, Elkhorn Rd to Farm Rd	Closed	92,244.72
LAS22C06	Las Vegas Wash - Elkhorn (Rainbow Blvd to Torrey Pines Drive)	Closed	274,272.89
LAS22D06	N & S Environ Enhancement Areas - Floyd Lamb Park	Closed	2,252,837.16
LAS22E06	Las Vegas Wash - Decatur Blvd (Centennial PKWY to Farm Road)	Closed	2,454,915.36
LAS22F07	Las Vegas Wash - Rainbow (Elkhorn Road to Grand Teton Drive)	Closed	951,355.17
LAS22G07	Elkhorn Springs and Buffalo Storm Drain	Closed	280,782.51
LAS22H07	Las Vegas Wash - Elkhorn Rd, Rainbow Blvd to Torrey Pines Dr	Closed	6,561,592.06
LAS22I08	Las Vegas Wash - Decatur Blvd (Elkhorn Rd to Farm Rd)	Closed	2,950,783.84
LAS22J08	Las Vegas Wash - Jones Blvd, Elkhorn to Farm	Closed	1,683,390.48
LAS22K08	LVW - Grand Teton, Mountain Spa to DurangoDrive	Closed	850,522.21
LAS22L08	LVW - Grand Teton, Buffalo Drive to Durango Drive	Closed	172,513.02
LAS22R12	LVW-Grand Teton, Mountain Spa to Durango Drive	Closed	12,250,368.51
LAS22S13	Brent Drainage System-Floyd Lamb Park to Durango Drive	Open	533,365.00
LAS22T15	Brent Drainage System - Floyd Lamb Park to Durango Drive	Open	4,900,700.00
LAS23C08	Horse Drive Interchange	Closed	5,392,419.91
LAS23D13	Centennial Parkway Channel West - US95 Crossing	Closed	1,411,812.73
LAS23E13	Centennial Pkwy Channel West-CC 215, Pioneer Way to US95	Open	1,070,687.00
LAS23F14	Centennial Parkway Channel West-CC215, Pioneer Way to US95	Open	13,900,000.00
LAS23G15	Centennial Parkway Channel West-US95, CC215 to Durango	Open	1,261,471.00
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Las	Vegas
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PROJECT	NAME	STATUS	TOTAL
LAS23H15	Centennial Parkway Channel West-US95, Durango to Grand Teton	Open	985,231.00
LAS23I17	Cent Pkwy Chnl West-US95, CC215 to Grand Teton, Kyle Cyn	Open	28,713,363.00
LAS24B06	Gowan North Channel - El Capitan Way to the Western Beltway	Closed	7,636,880.18
LAS24D06	Gowan Lone Mountain System - Branch 4	Closed	2,824,592.10
LAS24E07	Gowan Outfall - Lone Mountain Branch (Rancho Drive to Decatur Boule	Open	1,614,000.00
LAS24H13	Gowan North-Buffalo Branch, Lone Mtn to Washburn Rd	Open	992,000.00
LAS24I15	Gowan Box Canyon - Lone Mountain Road	Open	704,000.00
LAS24J15	Gowan North - El Capitan Branch, Lone Mountain to Ann Road	Open	785,478.00
LAS24K17	Gowan North-Buffalo Branch, Lone Mtn to Washburn Rd	Closed	9,033,142.00
LAS25B13	Cedar Avenue Channel Improvements	Open	831,489.00
LAS26A07	Grand Teton Overpass - Storm Drain	Closed	612,614.83
LAS26B08	Grand Teton Overpass - Storm Drain	Closed	1,936,755.45
LAS26C13	Grand Teton - Hualapai to Tee Pee	Closed	401,560.15
LAS27A09	Boulder HWY Sahara Ave - Mojave Rd to Boulder HWY	Closed	411,967.68
LAS28B11	Oakey Drain - Cahlan to Barnard	Closed	5,372,969.90
LAS28C12	Las Vegas Wash - Sloan Channel to Cedar Avenue	Open	110,000.00
LAS29A10	Flamingo Wash, Boulder Highway North-Main Street	Closed	346,572.69
LAS29B15	Flamingo-Boulder HWY N-Boulder HWY Sahara to Charleston	Open	1,226,003.00
LAS29C16	Flamingo-Bldr Hwy, N Charleston-Maryland Pkwy System	Open	1,215,549.00
LAS30A13	Gowan-Alexander Rd., Rancho Drive to Decatur Boulevard	Open	711,938.00
LLD04A03	Holmby Channel	Closed	621,698.68
LLD04B07	Oakey Boulevard & Tenaya Way Storm Drain	Closed	574,017.45
LLD05A08	Jones Blvd - Alta to Borden Storm Drain	Closed	716,389.74
LLD08A11	Lexington Street Storm Drain	Open	1,000,000.00
LLD09A04	Bruce Street Storm Drain	Closed	431,221.89
LLD10A05	Jay Avenue Improvements	Closed	548,443.62
LLD10B13	Buckskin Avenue Storm Drain	Open	1,200,000.00
LLD12A04	Brush Street Storm Drain	Closed	411,351.53
LLD13A02	Crystal Water Way, Lake South Dr to Desert Inn Rd	Closed	227,132.20
LLD18A02	Peak Drive, Rainbow Blvd to Torrey Pines Dr	Closed	371,781.85
LLD99A09	Gilmore Ave - Decatur Blvd to Thom Blvd Storm Drain	Closed	410,867.01
			\$326,523,491,82

\$326,523,491.82

Mesquite

PROJECT	NA ME	STATUS	TOTAL
MES01A88	Town Wash Detention Basin (Right-of-Way)	Closed	9,600.50
MES01B89	Town Wash Detention Basin (Design & Construction)	Closed	660,000.00
MES01C02	Town Wash Conveyance, I-15 to Virgin River	Closed	977,665.86
MES02A00	Abbott Wash Channel, I-15 to Virgin River	Closed	632,380.00
MES04A15	Virgin River Flood Wall	Open	517,000.00
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\$2,796,646.36

North Las Vegas

PROJECT	<u>NAME</u>	STATUS	<u>TOTAL</u>
NLD14A15	Oak Island Drive Storm Drain	Open	497,750.00
NLV01A87	Las Vegas Wash/I-15 to Pecos (Facility Study)	Closed	304,000.00
NLV01B87	Las Vegas Wash/Craig-Civic Center (King Charles)	Closed	2,415,411.73
NLV01C00	Upper Las Vegas Wash	Closed	2,590,459.93
NLV01E07	Tropical Parkway Channel East	Closed	1,161,535.61
NLV01G11	Ann Road Channel East, ULVW to Fifth Street	Open	1,063,556.00

North Las Vegas

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PROJECT	NAME	<u>STATUS</u>	TOTAL
NLV01H13	Las Vegas Wash - "N" Channel, Cheyenne to Gowan	Open	317,990.00
NLV01J15	Las Vegas Wash - "N" Channel, Cheyenne to Gowan	Open	3,158,000.00
NLV02A87	W. Trib Las Vegas Wash/Craig -Alexander	Closed	1,268,170.85
NLV02B88	W. Trib Las Vegas Wash/Craig Ranch Golf Course-Craig	Closed	1,057,430.33
NLV03A88	West Range Wash Detention Basin (Facility Study)	Closed	273,068.12
NLV03B88	East Range Wash Detention Basin (Facility Study)	Closed	30,000.00
NLV03C91	West Range Wash Diversion Dike	Closed	339,338.71
NLV03E13	Hollywood System, Dunes South DB to Centennial Parkway	Open	2,706,972.00
NLV03F17	Range Wash - Ann Branch	Open	1,081,889.00
NLV03G17	Hollywood System, Centennial Pkwy-Speedway #2 DB	Open	897,470.00
NLV04A89	Gowan Outfall Structure	Closed	13,373,572.56
NLV04B00	Gowan Outfall, Craig to Channel	Closed	301,821.67
NLV04C01	Gowan Outfall, Craig to Channel	Closed	1,566,299.84
NLV04F07	Simmons Street Drainage Improvements - Carey to Craig	Open	2,323,263.00
NLV04G07	Gowan Outfall - Lone Mountain Branch, Decatur Blvd to Channel	Closed	15,057,798.44
NLV04I11	Simmons Street - Phase II, Carey to Cheyenne	Closed	5,464,819.43
NLV04K17	Gowan Outfall, Alexander Rd - Decatur to Simmons Street	Open	1,931,156.00
NLV05A89	Upper Las Vegas Wash Detention Basin	Closed	1,342,892.36
NLV06A91	Kyle Detention Basin	Closed	601,126.71
NLV06B93	Kyle Detention Basin	Closed	8,452,713.96
NLV07A92	Camino Al Norte Culvert	Closed	86,191.00
NLV08A94	Lower Las Vegas Wash Detention Basin	Closed	2,650,037.50
NLV08B97	Lower Las Vegas Wash Detention Basin Construction	Closed	3,316,222.35
NLV09A94	Range Wash Chnl W Trib/Confl DB-LV Blvd. + Vandenberg DB	Closed	2,299,092.06
NLV09C03	Range Wash - Lamb Blvd Storm Drain	Closed	337,143.54
NLV09D07	Range Wash - Lamb Blvd Storm Drain	Closed	5,733,340.83
NLV09E11	Vandenberg North Detention Basin & Outfall	Open	1,268,000.00
NLV09F13	Beltway Detention Basin and Channel	Closed	0.00
NLV09G13	Centennial Collector	Open	556,143.00
NLV09I13	Beltway Detention Basin and Channel	Open	1,034,000.00
NLV10A97	A - Channel/Lake Mead Blvd Alexander Road	Closed	1,822,067.69
NLV10B99	Cheyenne Peaking Basin	Closed	3,445,309.49
NLV10F02	Las Vegas Wash Main Branch, Cheyenne Avenue to Lake Mead Boulevar		353,900.87
NLV10H07	Las Vegas Wash - Lake Mead Blvd to Las Vegas Blvd	Closed	2,069,215.34
NLV10109	Las Vegas Wash - Las Vegas Blvd to Cheyenne Ave	Closed	697,124.80
	LVW - LV Blvd to Cheyenne Avenue	Closed	6,382,656.86
NLV10K11 NLV11A97	W. Trib Las Vegas Wash (Camino Al Norte to Ann Rd)	Closed	1,494,634.14
NLV11B97	W. Trib Las Vegas Wash (Cantillo Al Norte to Alin Rd) W. Trib Las Vegas Wash, Ph II (Ann Rd to Centennial PKWY)	Closed	2,154,439.86
NLV12A97	Clayton Channel- WTLVW > Centennial PKWY > Allen Ln	Closed	40,408.90
NLV13A98	Tributary to the Western Tributary @ Craig Rd	Closed	801,419.92
	Tributary to the Western Tributary at Craig Road	Closed	5,443,730.21
NLV13B02	Tributary to the Western Tributary @ Alexander Rd	Closed	735,930.14
NLV14A00	Las Vegas Wash - Losee Project	Closed	87,613.81
NLV15A00	Simmons Street Channel	Closed	1,013,785.70
NLV16A00		Closed	2,486,927.42
NLV17A00	Centennial Parkway Channel East	Closed	, ,
NLV17B08	Centennial Parkway Channel East		19,334,832.52
NLV17C16	Fifth Street Collector, Centennial Pkwy to Deer Springs Way	Open	726,079.00
NLV18A07	Colton Channel	Open	1,214,634.00
NLV18B07	Brooks Channel	Open	677,749.00
NLV18C07	Freeway Channel - Owens Avenue to Miller Avenue	Closed	1,528,308.05
NLV18D09	Freeway Channel - Owens Ave to Miller Ave, Phase I	Closed	4,389,989.00

North Las Vegas

PROJECT	NAME	STATUS	TOTAL
NLV18E11	Freeway Channel - Owens Ave to Miller Avenue - Phase II	Closed	6,441,348.71
NLV18F13	Central Freeway Channel At Cheyenne	Open	772,549.00
NLV18H14	Brooks Channel	Open	5,751,000.00
NLV18116	Central Freeway Channel at Cheyenne	Open	11,300,000.00
			\$168,024,330.96

Grand Total

\$1,001,983,538.80

Boulder City

PROJECT	NAME	<u>STATUS</u>	TOTAL
BOU01A87	Hemenway Wash	Closed	867,000.00
BOU04D02	West Airport Facilities	Closed	568,602.56
BOU04E03	Valley View, Red Mountain and DD Facilities	Closed	76,468.23
BOU04F05	Valley View and DD Facilities	Closed	632,017.12
BOU05D04	Veterans Memorial Detention Basin	Closed	3,236,343.92
BOU05E04	Yucca Debris Basin, Collection & Outfall	Closed	69,028.25
BOU05F04	Bootleg Canyon Facilities	Closed	365,646.88
BOU05110	Yucca Debris Basin, Collection and Outfall	Closed	1,189,960.47
			\$7,005,067,43

Clark County

PROJECT	NAME	STATUS	TOTAL
CLA02F92	Rawhide Channel Improv/McLeod-Mtn Vista	Closed	2,678,784.24
CLA03E92	Van Buskirk Channel/ Phase III Construction	Closed	884,145.27
CLA03F92	Van Buskirk Channel/Phase V/Harmon-Harrison & Tropicana	Closed	1,318,316.18
CLA03G92	Van Buskirk Channel / Phase IV	Closed	949,302.79
CLA03H93	Van Buskirk Channel / Phases IIA & VI Construction	Closed	7,076,269.80
CLA04J03	Flamingo Wash, Algonquin Dr to Maryland Parkway	Closed	3,708,620.21
CLA04K03	Flamingo Wash, I-515 to Boulder Highway	Closed	4,358,838.58
CLA04L03	Lower Flamingo Detention Basin	Closed	1,078,896.68
CLA04T09	Lower Flamingo Detention Basin	Closed	3,387,621.44
CLA04W16	Flamingo Wash, Eastern Avenue	Open	1,420,000.00
CLA06B93	Range Wash Confluence DB ROW & Construction	Closed	9,575,705.90
CLA07C03	Sloan Channel, Las Vegas Wash to Charleston	Closed	11,371,793.05
CLA08C98	Lower Duck Creek Detention Basin & Outfall Channel	Closed	12,823,423.07
CLA08T14	Duck Creek, Las Vegas Boulevard	Open	7,400,000.00
CLA09B99	Durango Collector (Twain to Hacienda)	Closed	9,485,138.68
CLA10B99	Tropicana Wash, Paradise Road to Koval Lane	Closed	2,087,199.75
CLA10C03	Tropicana North Branch Detention Basin	Closed	3,763,800.00
CLA10E09	Tropicana North Branch Detention Basin	Closed	950,229.12
CLA12C99	Desert Inn Detention Basin & Collection System	Closed	5,327,982.96
CLA13C98	Lakes DB Collection System	Closed	17,986,141.42
CLA14B99	Duck Creek Channel (Hollywood Blvd to Stephaine St)ROWA	Closed	1,598,918.50
CLA14M03	Duck Creek, Broadbent Blvd Bridge and Channel	Closed	2,176,640.38
CLA14N03	Duck Creek, Broadbent Blvd to Boulder Highway	Closed	5,832,117.22
CLA 14P03	Duck Creek, Eldorado Lane to Spencer Street	Closed	343,994.59
CLA14Q04	Duck Creek, Topaz Street to Eastern Avenue	Closed	2,119,552.08
CLA14W11	Duck Creek, Robindale to I-215	Closed	650,561.15
CLA15B99	Colorado Avenue Storm Drain System	Closed	15,259,421.39
CLA15E13	LVW-Sloan to Stewart-Flam Wash below Nellis	Open	82,884,000.00
CLA15F16	Las Vegas Wash - Water Reclamation Channel	Open	3,400,000.00
CLA16L09	Lower Blue Diamond Detention Basin	Closed	2,581,701.25

Clark County

PROJECT	NAME	STATUS	TOTAL
CLA16M09	Blue Diamond Wash Wigwam, UPRR to Rainbow Blvd	Closed	5,067,171.04
CLA16N09	Blue Diamond Wash Wigwam, UPRR to Jones Blvd	Closed	0.00
CLA17A98	Blue Diamond Chnl/Durango Dr - Rainbow Blvd (Beltway 7B)	Closed	1,021,760.73
CLA17D04	Blue Diamond Channel - Jones Branch	Closed	641,602.04
CLA18A98	Red Rock Channel/Russell Rd - Hualapai Way	Closed	1,793,162.82
CLA19D03	Red Rock Channel, Naples Branch	Closed	9,885,236.80
CLA26D11	Flamingo Diversion-South Buffalo Branch, Flamingo Wash to Sunset Rd	Closed	7,030,263.37
CLA27D13	Flamingo Diversion - Rainbow Branch	Open	10,570,000.00
			\$260,488,312.50

Clark County Outlying

PROJECT	NAME	STATUS	TOTAL
IND01B04	Indian Springs Detention Basin	Closed	2,650,794.34
LAU01B92	Unnamed Wash, Laughlin	Closed	2,577,722.08
LAU02C94	Hiko Springs, Laughlin	Closed	1,200,000.00
			\$6.428.516.42

Henderson

PROJECT	NAME	STATUS	TOTAL
HEN01D91	Pittman Wash Channel - Phase II Construction	Closed	2,071,148.80
HEN01E93	Pittman Wash Channel Phase IIIA Construction	Closed	776,682.83
HEN03B92	UPRR Channel Construction	Closed	2,149,477.47
HEN04C93	Mission Hills System Construction	Closed	5,503,671.37
HEN04D94	C-1 Channel / Lake Mead Dr Burkholder	Closed	3,398,432.50
HEN04E96	Mission Hills Western Interceptor Diversion	Closed	2,100,000.00
HEN04J99	Black Mountain Detention Basin & Outfall	Closed	5,233,184.00
HEN04L01	C-1 Chnl, Mdl & Upr Reaches-PhI: Burkholder - Boulder HWY	Closed	4,784,787.10
HEN04M03	C-1 Channel, Upper & Middle Reaches - Vermillion Dr - Boulder HWY	Closed	3,689,653.67
HEN05B98	Pioneer DB Outfall	Closed	2,952,988.96
HEN05F12	Pioneer Detention Basin Expansion and Inflow	Closed	1,330,852.11
HEN05G16	Horizon Ridge Detention Basin	Open	8,294,400.00
HEN06J13	Equestrian Detention Basin Expansion	Open	1,098,200.00
HEN06K13	Equestrian Tributary, Phase II	Closed	2,147,066.76
HEN07C11	Pittman Park Peaking Basin Modification	Closed	0.00
HEN12D03	Pittman Wash - Burns	Closed	257,326.75
HEN12E05	Gibson Conveyance System	Closed	2,164,571.54
HEN12J16	Palm Hills Channel	Open	2,830,880.00
HEN13B03	Boulder Highway Channel	Closed	6,534,523.99
HEN15B02	Pittman Wash Railroad Channel, Phase I (Resol. No. 02-6)	Closed	1,989,679.32
HEN15C04	Pittman Wash Railroad Channel, US-95 to Major Avenue	Closed	5,537,919.81
HEN18A03	Drake Channel	Closed	75,265.32
HEN19A03	Northeast Detention Basin and Levee	Closed	1,134,804.61

Henderson

PROJECT	NAME	STATUS	TOTAL
HEN20B04	C-1 Channel, US-95 Tributary 1	Closed	1,522,849.50
HEN23B16	Center Street Storm Drain	Open	9,731,435.15
HLD06A15	Appaloosa Storm Drain	Open	925,834.35
			\$78.235 635 91

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PROJECT	NAME	STATUS	TOTAL
LAS01E13	Angel Park Detention Basin Expansion	Closed	4,085,640.34
LAS02E92	Buffalo Channel/Summerlin Pkwy-Vegas Dr.	Closed	1,911,377.65
LAS03C91	Gowan Detention Basin	Closed	7,184,517.75
LAS04D92	Oakey Detention Basin & Conveyance	Closed	6,887,121.59
LAS05E03	Oakey - Meadows Storm Drain	Open	5,470,354.00
LAS05F03	Alta Parallel System	Closed	2,093,934.39
LAS05K15	Oakey-Meadows Storm Drain, Phase III	Open	24,961,221.00
LAS09C91	Washington Ave./Sandhill Outlet	Closed	1,496,312.93
LAS09E93	Washington Ave. / Virgil-Lena	Closed	2,862,675.33
LAS09N99	Upr Wash Ave Conv Sys, Ph II: Veterans Memorial Dr - UPRR	Closed	6,279,449.66
LAS09O99	Freeway Channel - Alta Dr to Sahara Ave & Bypass Facility	Closed	36,285,968.75
LAS09T04	Freeway Channel, Charleston Lateral	Closed	4,336,897.56
LAS10C94	Lone Mtn. Detention Basin	Closed	315,482.25
LAS10I98	Gowan North Channel, Ph II/Durango Dr	Closed	5,455,374.03
LAS10T02	Gowan North System - Ph III: Alexander Rd to Lone Mtn Rd	Closed	7,539,040.96
LAS10V03	GNC - Lone Mountain Road (El Capitan Way to the Western Beltway)	Closed	634,984.37
LAS10W04	Lone Mountain System, Lone Mtn DB Outfall to Durango	Closed	2,734,160.02
LAS10X05	Ann Road Detention Basin Facilities (CAM 10 DB)	Closed	9,317,720.04
LAS14D14	Freeway Channel-Washington, MLK to Rancho Drive	Open	11,405,343.00
LAS16D01	Ann Road, Allen Lane to Rancho Drive	Closed	7,069,867.82
LAS16E04	Rancho Detention Basin, Phase II	Closed	464,510.86
LAS16F04	Rancho Road System (El Campo Grande Storm Drain)	Closed	573,652.99
LAS17E03	Peak Drive System (Jones Blvd to Michael Way)	Closed	456,338.90
LAS19C05	Owens Avenue System (Vegas Dr Storm Drain) - Michael Way to Rancho Drive	Closed	1,596,671.67
LAS21A03	Upper Las Vegas Wash Facility Study	Closed	243,392.60
LAS22A03	Decatur/Elkhorn/Rainbow System Predesign	Closed	368,594.70
LAS22M09	Las Vegas Wash - Rainbow (Elkhorn Rd to Grand Teton Dr)	Closed	7,696,565.04
LAS22N09	Las Vegas Wash - Decatur & Elkhorn, CC 215	Closed	25,788,320.03
LAS22O09	N & S Environ Enhancement Areas - Floyd Lamb Park	Closed	25,314,907.94
LAS22P09	Elkhorn Springs & Buffalo Storm Drain	Closed	1,567,520.54
LAS24F10	Gowan Outfall - Lone Mountain Branch (Rancho to Decatur)	Closed	10,109,824.95
LAS26D14	Grand Teton - Hualapai to Tee Pee	Closed	6,245,247.37
LAS28A10	Langtry Channel Bonanza to Washington Avenue	Closed	1,002,676.43
			\$229,755,667.46

Mesquite

PROJECT	NAME	STATUS	TOTAL
MES01B89	Town Wash Detention Basin (Design & Construction)	Closed	3,692,545.65
MES01D10	Town Wash Conveyance, I-15 to the Virgin River	Closed	7,366,966.99
MES02B03	Abbott Wash Conveyance System, Pioneer Blvd to the Virgin River	Closed	10,625,472.16
			\$21,684,984.80

North Las Vegas

PROJECT	NAME	STATUS	TOTAL
NLV01D03	Upper Las Vegas Wash	Closed	31,132,709.75
NLV01F09	Tropical Parkway Channel East	Closed	5,900,026.83
NLV01114	Ann Road Channel East, ULVW to Fifth Street	Open	5,838,100.00
NLV03D93	West Range Wash Diversion Dike	Closed	2,251,608.79
NLV04D04	Gowan Outfall - Lone Mountain Branch, Decatur Blvd to Channel	Closed	1,179,589.48
NLV04H09	Simmons Street Drainage Improvements - Gowan Outfall	Closed	2,280,988.68
NLV04J14	Simmons Street Drainage Impvments-Alexander to Gowan Outfall	Open	16,066,600.00
NLV05B92	Upper Las Vegas Wash Detention Basin Construction	Closed	8,010,318.87
NLV06B93	Kyle Detention Basin	Closed	5,037,000.00
NLV08B97	Lower Las Vegas Wash Detention Basin Construction	Closed	4,433,240.98
NLV09B99	Vandenberg Detention Basin	Closed	5,347,006.76
NLV09H14	Centennial Collector	Open	2,933,250.00
NLV10E03	"A" Channel Three Bridges Project (Cheyenne Ave, Las Vegas Blvd, and Carey	Closed	9,966,315.63
NLV10G03	Cheyenne Peaking Basin, Collection & Outfall - Alexander Rd to Cheyenne Av	Closed	15,482,525.64
NLV10J10	LV Wash Main Branch-LV Blvd. to Lake Mead Blvd.	Closed	21,161,048.84
NLV11C98	W. Trib Las Vegas Wash Chnl, Ph I (Ann Rd - Clayton St)	Closed	7,898,144.87
NLV11D99	W. Trib Las Vegas Wash, Ph III (LLVWDB to Camino Al Norte)	Closed	2,499,963.56
NLV11E99	W. Trib of the Las Vegas Wash, Ph II (Ann to Centennial)	Closed	7,772,320.98
NLV14B03	Tributary to the Western Tributary @ Alexander Rd	Closed	7,636,332.88
NLV15B03	Las Vegas Wash - Losee Road	Closed	1,142,595.43
NLV16B03	Simmons Street Channel	Closed	4,885,102.93
NLV18G14	Colton Avenue Flood Control Improvements	Open	7,535,000.00
			\$176,389,790.90

Grand Total \$779,987,975.42

FY2016-17 PROJECTS FUNDED SUMMARY

Facility Description	Project Number	Project Scope (1)	Year-1 Programmed (2)	Year-2/Year-3 Programmed (2)/(3)	Funding Amount (4)	Approval Date	Item #
HENDERSON (Southeast Las Vegas Valley)							
Center Street Storm Drain - 1st Supplemental	HEN23B16	Construction	470,035.15	0.00	470,035.15	8/11/2016	13
Center Street Storm Drain - 3rd Supplemental	HEN23A09	Design	49,500.00	0.00	49,500.00	4/13/2017	12a
Pittman North Detention Basin and Outfall	HEN16A01	Design	207,440.00	0.00	207,440.00	12/8/2016	13
Pioneer Detention Basin Expansion and Inflow (Construction)	HENDEE13	Construction	(158,365.89)	0.00	(158,365,89)	0/9/2016	7
Closeout Pittman North Detention Basin and Outfall	HENUSF 12	Construction	0.00	8,167,844.00	(150,505.09)	9/8/2016	-
Pittman North Detention Basin and Outfall, Phase II Starr		Construction	0.00	0,107,044.00			-
Avenue - 1st Supplemental	HEN16E15	Construction	465,021.00	0.00	465,021.00	9/8/2016	14a
Equestrian Tributary Phase II - Closeout	HEN06IO9	Design	(79,273.86)	0.00	(79,273.86)	12/8/2016	8
Equestrian Tributary Phase II - Closeout	HEN06K13	Construction	(215,651.24)	0.00	(215,651.24)		8
Whitney Wash Channel (Design) - Closeout	HEN07D09	Design	(161,690.33)	0.00	(161,690.33)		8
Pittman Wash UPRR to Santiago (Construction) - Closeout	HEN07E11	Construction	(778,590.17)	0.00	(778,590.17)		8
Pittman Wash UPRR to Santiago (Design) - Closeout	HEN07B09	Design	(31,140.79)	0.00	(31,140.79)	1/12/2017	8
C-1 Equestrian Tributary (Construction) - Closeout	HEN06F08	Construction	(31,244.36)	0.00	(31,244.36)	4/13/2017	8
o regulation making (condition)			(= 1,= 1 = 7		(0.1,0.1.0.7)		
		Henderson Total	(\$263,960.49)	\$8,167,844.00	(\$263,960.49)		
	PROJECTS	PROGRAMMED	\$7,903,	883.51	1		
HENDERSON 3-YEAR TOTALS:	ESTIMATI	ED RESOURCES	\$9,791,	140.00	1		
	REMAINI	NG RESOURCES	\$10,055	,100.49]		
LAS VEGAS (Central Las Vegas Valley)							
Centennial Parkway Channel West - US 95, CC215 to Grand							
Teton	LAS23I17	Construction	0.00	27,671,863.00	27,671,863.00	3/9/2017	12b
Centennial Parkway Channel West - US 95, CC215 to Grand							
Teton and US95 Crossing at Kyle Canyon Road - 1st			4 4 4 5 4 4 4		4 0 4 4 7 0 0 0 0	544040047	40
Supplemental	LAS23I17	Construction	1,041,500.00	0.00	1,041,500.00	5/18/2017	12
Flamingo - Boulder Highway North - Boulder Hwy, Sahara to		Construction	0.00	47 496 646 00			1
Charleston Paulden Mainta Baulden		Construction	0.00	17,186,646.00			-
Flamingo - Boulder Hwy. North, Charleston - Main to Boulder		Design	309,707.00	0.00			
Hwy Flamingo - Boulder Hwy. North, Charleston - Maryland to		Design	309,707.00	0.00			
Boulder Hwy. and Maryland Parkway System	LAS29C16	Design	1,215,549.00	0.00	1,215,549.00	9/8/2016	16
Freeway Channel - Washington, Rancho to Valley View	D1020010	Design	499,294.00	0.00	1,210,040.00	0/0/2010	-10
Gowan North - Buffalo Branch, Lone Mountain to Washburn		Dougn	100,201.00	0.00			-
Road	LAS24K17	Construction	9,033,142.00	0.00	9,033,142.00	5/18/2017	13b
Gowan North - El Capitan Branch, Lone Mtn to Ann Road		Construction	0.00	9,258,879.68			
Gowan North - El Capitan Branch, Lone Mtn to Ann Road -							
1st Supplemental	LAS24J15	Design	125,000.00	0.00	125,000.00	7/14/2016	10b
Gowan North-Buffalo Branch, Lone Mtn to Washburn Rd - 3rd							
Supplemental	LAS24H13	Design	138,000.00	0.00	138,000.00	7/14/2016	10a
Rancho Road System - Elkhorn, Grand Canyon to Hualapai -							
1st Supplemental	LAS16P15	Design	284,248.00	0.00	284,248.00	10/13/2016	11
Las Vegas Wash - Rainbow (Elkhom Rd to Grand Teton Dr)							
(Construction) - Closeout	LAS22M09	Construction	(160,524.96)	0.00	(160,524.96)	1/12/2017	8
LVW - Grand Teton, Mountain Spa to Durango Drive (Design)							
- Closeout	LAS22K08	Design	(19,199.77)	0.00	(19,199.77)	1/12/2017	8
Freeway Channel - Washington, MLK to Rancho Drive - 3rd							
Supplemental	LAS14D14	Construction	650,000.00	0.00	650,000.00	2/9/2017	11a
Brent Drainage System - Floyd Lamb Park to Durango Drive -			4 450 000 00		4 450 000 00	0/0/0047	40-
2nd Supplemental	LAS22T15	Construction	1,150,000.00	0.00	1,150,000.00	2/9/2017	12a
Gowan Outfall, Alexander Road - Decatur Boulevard to				2.00	4 004 450 00	0/0/0047	40
Simmons Street	NLV04K17	Design	1,931,156.00	0.00	1,931,156.00	2/9/2017	10
LVW-Grand Teton, Mountain Spa to Durango Drive	1 4 6 2 2 1 2 2	Construction	(1.057.021.40)	0.00	(1.057.021.40)	4/13/2017	8
(Construction) - Closeout	LAS22R12	Construction	(1,057,931.49)	0.00	(1,057,931.49)	4/13/2017	0
		Las Vegas Total	\$15,139,939.78	\$54,117,388.68	\$42,002,801.78		
		PROGRAMMED	\$69,257				
LAS VEGAS 3-YEAR TOTALS:		TO RESOURCES	\$70,936,				
	REMINUN	R PESOURCES	\$28,935	7. 83.22	1		

FY2016-17 PROJECTS FUNDED SUMMARY

Facility Description	Project Number	Project Scope (1)	Year-1 Programmed (2)	Year-2/Year-3 Programmed (2)/(3)	Funding Amount (4)	Approval Date	Iten #
NORTH LAS VEGAS (Northern Las Vegas Valley)							
Beltway Collection System - Pecos	1	Design	428,946.00	0.00			
Beltway Detention Basin & Channel		Construction	7,574,572.00	0.00			-
Central Freeway Channel at Cheyenne	NLV18I16	Construction	11,300,000.00	0.00	11,300,000.00	12/8/2016	15t
Fifth Street Collector - Centennial to Deer Springs	NLV17C16	Design	726,079.00	0.00	726,079.00	10/10/2016	12
Hollywood System, Centennial Pkwy to Speedway #2	NEVI/CI8	Design	720,073.00	0.00	120,019.00	10/10/2010	12
Detention Basin	NLV03G17	Design	897,470.00	0.00	897,470.00	3/9/2017	111
Hollywood System, Dunes South Detention Basin to Centennial Parkway		Construction	0.00	17,828,525.00			
Orchard Detention Basin - 12th Supplemental	CLA21A00	Design	375,000.00	0.00	375,000.00	9/8/2016	12
Orchard Collector - Charleston to Linden		Construction	238,679.00	0.00			
Owens Detention Basin & Outfall		Design	364,638.00	0.00			
Owens Detention Basin & Outfall		ROW	0.00	505,632.00			
Range Wash - Ann Branch	NLV03F17	Design	1,081,889.00	0.00	1,081,889.00	3/9/2017	11
Vandenberg North Detention Basin, Collection & Outfall		Construction	0.00	12,112,521.00			
Orchard Detention Basin (Construction)-Closeout	CLA21B12	Construction	(720,113.65)	0.00	(720,113.65)	10/13/2016	7
Centennial Parkway Channel East (Design) - Closeout		Design	(767,172.58)	0.00	(767,172.58)	1/12/2017	8
	North	Las Vegas Total	\$21,499,986.77	\$30,446,678.00	\$12,893,151.77		
	PROJECTS	PROGRAMMED	\$51,946,	664.77			
NORTH LAS VEGAS 3-YEAR TOTALS:		ED RESOURCES	\$54,588,	410.00			
	REMAININ	NG RESOURCES	\$41,695,	258.23			
CLARK COUNTY (Southwest Las Vegas Valley and	Outlying Area	as)					
Airport Channel - Naples		Construction	0.00	2,802,041.00			
Blue Diamond Channel 02, Decatur - Pyle to Richmar		Construction	6,272,077.00	0.00			
Blue Diamond Wash Pebble		Construction	0.00	2,344,984.00			
Blue Diamond Wash Railroad		ROW	310,657.00	0.00			
Duck Creek at Dean Martin	CLA08W16	Construction	3,787,357.00	0.00	3,787,357.00	10/13/2016	12
Duck Creek Haven Street		Construction	0.00	3,916,835.00			
Duck Creek Jones Boulevard		Construction	0.00	2,119,070.00			
Duck Creek Wash, El Camino to Rainbow		Construction	0.00	600,000.00			
Duck Creek, Sunset to Sandhill (Construction) - Closeout	HEN24B13	Construction	(679,921.17)	0.00	(679,921.17)	8/11/2016	7
F4 Patrick Lane/ Fort Apache Road Lateral	TILIVETOIS	Construction	950,000.00	0.00	(0/0,021.11)	0/11/2010	-
F4 Patrick Lane/ Fort Apache Road Lateral (Design) -		Construction	330,000.00	0.00			
	CLA01B04	Design	0.00	0.00	0.00	9/2/2017	7
Closeout Flamingo Wash - Industrial Rd. to Hotel Rio Dr.	CLAU I BU4	Construction	0.00	1,400,000.00	0.00	31212011	-
		Construction	0.00	1,400,000.00			-
Silverado Ranch Detention Basin and Outfall Facilities - 1st	01 400040	Desies	4 400 000 00	0.00	1 400 000 00	0/0/2016	15
Supplemental Standard		Design	1,100,000.00	0.00	1,100,000.00	9/8/2016	15
Tropicana Wash at Swenson Street - 5th Supplemental	CLA10D07	Design	44,900.00	0.00	44,900.00	8/11/2016	12
Tropicana Wash at Swenson Street (Design)-Closeout	CLA10D07	Design	(253.80)	0.00	(253.80)	1/12/2017	8
Fairgrounds - Detention Basin (Whipple Street)		Design	350,000.00	0.00			-
Fairgrounds - Detention Basin (Whipple Street)	-	Construction	0.00	9,829,023.00	00.000.00	4/40/0047	-
Goodsprings - Phase I	CSP01B10		30,000.00	0.00	30,000.00	4/13/2017	11
Goodsprings - Phase I		Construction	0.00	844,034.00	1.0333	-10:	-
Muddy River Logandale Levee - 2nd Supplemental		Construction	1,650,000.00	0.00	1,650,000.00	9/8/2016	121
SR 163 at Casino Drive		Design	42,658.00	0.00			
SR 163 at Casino Drive		Construction	846,563.00	0.00			
Searchlight - South Encinitas St. Storm Drain		Design	0.00	78,470.00			
Searchlight - South Encinitas St. Storm Drain	SEA03B17	Construction	0.00	1,402,653.00			
Las Vegas Wash - Sloan Channel to Bonanza Road and Flamingo Wash Below Nellis อิบาเซาard	CLA15D12	Design	500,000.00	0.00	500,000.00		
		ark County Total	\$15,204,037.03	\$25,337,110.00	\$6,432,082.03		
					90,702,002.00		
CLARK COUNTY 3-YEAR TOTALS:	PROJECTS PROGRAMMED ESTIMATED RESOURCES		\$40,541,147.03 \$47,386,815.00				
	REMAININ	G RESOURCES	\$4û <u>,</u> 954,	732.97	1		
CITY OF MESOUITE			200 000 00 1	0.00			
CITY OF MESQUITE	T	Decian					
Town Wash - Mesa Boulevard, El Dorado to Town Wash		Design	283,323.00				
Town Wash - Mesa Boulevard, El Dorado to Town Wash		Design Construction	0.00	2,874,704.00			_
Town Wash - Mesa Boulevard, El Dorado to Town Wash	City o				\$ີບ.ບັບ	16.6	
Town Wash - Mesa Boulevard, El Dorado to Town Wash		Construction of Mesquite Total	\$ 285,525.00	2,874,704.00 \$2,874,704.00	\$บ <u>ิ.</u> บับ		
CITY OF MESQUITE Town Wash - Mesa Boulevard, El Dorado to Town Wash Virgin River Flood Wall MESQUITE 3-YEAR TOTALS:	PROJECTS	Construction	0.00	2,874,704.00 \$2,874,704.00 027.00	\$ บี.บีบี		

FY2016-17 PROJECTS FUNDED SUMMARY

Facility Description	Project Number	Project Scope (1)	Year-1 Programmed (2)	Year-2/Year-3 Programmed (2)/(3)	Funding Amount (4)	Approval Date	Item #
BOULDER CITY	-						
Hemenway System, Phase IIA Improvements	BOU01D17	Construction	2,222,694.00	0.00	2,222,694.00	9/2/2017	13b
Hemenway System, Phase IIB Improvements		Construction	0.00	456,921.00			
	В	oulder City Total	\$2,222,694.00	\$456,921.00	\$2,222,694.00		
	PROJECTS PROGRAMMED \$2,679,615.00						
BOULDER CITY 3-YEAR TOTALS:	ESTIMATED RESOURCES		\$4,466,587.00]		
	REMAINING RESOURCES		\$2,243,893.00]		

SUMMARY	
TOTAL 3-YEAR PROJECTS PROGRAMMED ⁽²⁾	\$175,486,665.77
TOTAL ESTIMATED RESOURCES (Year-1)	\$95,570,964.00
TOTAL REMAINING DESIGN PROJECTS (Year-1)	\$2,278,566.00
TOTAL PROJECTS FUNDED (Year-1)	\$63,286,769.09
CURRENT AVAILABLE CONSTRUCTION RESOURCES (Year-1)	\$30,005,628.91

LOCAL DRAINAGE (5)							
Washington/Hollywood Storm Drain (Construction)- Closeout	CLD20A12	Construction	0.00	0.00	(16,200.00)	9/8/2016	7
Buckskin Avenue Storm Drain	LLD10B13	Construction	0.00	0.00	342,354.00	12/8/2016	14
Appalossa Storm Drain - 2nd Supplemental	HLD06A15	Construction	0.00	0.00	353,229.35	4/13/2017	12c
	Loca	al Drainage Total	\$0.00	\$0.00	\$679,383.35		

Notes:

- (1) Construction typically includes Construction and/or Construction Administration. Design typically includes Predesign, Design, Right-of-way, Environmental, and/or Other.
- (2) Includes amendments to the Ten-Year Construction Program.
- (3) Year-2/Year-3 do not include design projects. Design projects are not eligible for acceleration.
 (4) Action is being taken in current month on projects in bold/italics.
 (5) Local Drainage projects are not part of the Ten-Year Construction Program.

ESTIMATED FUNDING SCHEDULE

Inth-Year Facility Description Project # Amount Resources (1) Available (1) Date Notes FISCAL YEAR 2016-17 ESTIMATED REMAINING FISCAL YEAR Jun-17 CIP RESOURCES Las Vegas Wash - Sloan Channel to Bonanza Road and Flamingo Wash Below Nellis Boulevard CLA15D12 \$500,000.00 \$14,818,699		Funding Requests Received			Estimated Resources for CIP P		Priority	
ESTIMATED REMAINING FISCAL YEAR Jun-17 CIP RESOURCES \$15,318,699 Las Vegas Wash - Sloan Channel to Bonanza Road and Flamingo Wash Below	Month-Year	Facility Description	Project #	Amount	Resources (1)	Available (1)	Date	Notes
Jun-17 CIP RESOURCES \$15,318,699 Las Vegas Wash - Sloan Channel to Bonanza Road and Flamingo Wash Below		FISCAL YEAR 2016-17						
Bonanza Road and Flamingo Wash Below	Jun-17					\$15,318,699		
		Bonanza Road and Flamingo Wash Below	CLA15D12	\$500,000.00		\$14,818,699		
			CLA15D12	\$500,000.00		\$14,818,699		

Notes:

⁽¹⁾ Estimated CIP resources are from the FY2016-17 Ten-Year Construction Program and may be adjusted for current economic conditions.

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

OIL	IR	TT	777	
√ . I	11-4			

TEN YEAR CONSTRUCTION PROGRAM AMENDMENTS

RECOMMENDATION SUMMARY

STAFF:

Approve.

TECHNICAL ADVISORY:

Approve.

CITIZENS ADVISORY:

Approve.

RFCD AGENDA ITEM #06

DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

TEN YEAR CONSTRUCTION PROGRAM AMENDMENTS

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

ADOPT AMENDMENTS TO THE TEN YEAR CONSTRUCTION PROGRAM (FOR POSSIBLE ACTION)

FISCAL IMPACT: None.

BACKGROUND: In accordance with Policies and Procedures Section II.B.9 general amendments can be processed to address scheduling changes and/or the need for additional funding. This agenda item addresses requested changes in funding, positive and negative, associated with this agenda as they impact the Ten Year Construction Program (TYCP). Amendments to the TYCP are shown for:

Project Description	Project Number	Item No. / Action	Current TYCP Amount	Requested Amendment Amount
Las Vegas Wash - Sloan				
Channel to Bonanza Road				
and Flamingo Wash below		Item #18		
Nellis Boulevard	CLA15D12	4 th Supplemental	\$ 0.00	\$ 500,000.00

Respectfully submitted,

Steven C. Parrish, P.E.

General Manager/Chief Engineer

TAC AGENDA RFCD AGENDA ITEM #05 ITEM #06 Date: 05/25/17 Date: 06/08/17

CAC AGENDA ITEM #05 Date: 05/25/17

060817 TYCP Amend-item

Regional Flood Control District AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 05/15/17
TEN YEAR CONSTRUCTION PROGRAM AMENDMENTS	
In accordance with Policies and Procedures Section II.B.9 general amendments address scheduling changes and/or the need for additional funding. This agrequested changes in funding, positive and negative, associated with this agenda a Year Construction Program (TYCP).	genda item addresses
Staff Recommendation:	
Approve.	
Discussion by Technical Advisory Committee:	AGENDA #05 Date: 05/25/17
Recommendation:	
Approve.	
Discussion by Citizens Advisory Committee:	AGENDA #05 Date: 05/25/17
L	1103 Bute. 03/23/11
	7.4
Recommendation:	
Approve.	
060817 TYCP-aid	

CLARK COUNTY 10-YEAR CONSTRUCTION PROGRAM

EXHIBIT C

							1			
e 8, 2017					E YEARS 7/2016 THR	-	1			
Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)				
Mile Range	Comments	Per MPU	Plan	FY 16/17	FY 17/18	FY 18/19				
		Annual Resources	\$901,545,815	\$52,982,985	\$46,363,637	\$50,636,749				
\$42,587,979	Cu	mulative Available Resources	\$824,308,163	\$41,484,944	\$29,715,990	\$10,156,678		Funding F	Requests 16/17	
		Annual Resources	\$259,929,773	\$18,651,597	\$13,734,680	\$15,000,539		runding r	cequests 10/1/	
\$2,956,013	Ci	mulative Available Resources		\$3,447,559	\$7,578,902	\$2,738,505	Board Date	Amount	Amendment?	Project
	\$1,065,594,071	\$552,627,233	\$246,644,748	\$15,204,038	\$9,603,336	\$19.840.936		\$6,432,082		
ngo										
.,,-									h	
ranch	\$362,797,746	\$19,573,293	\$14,934,165	\$950,000	\$0	\$0		\$0		
		\$786.575	City of the State			The same of the same of				
DBF 0010, 0076, 0125		\$629,259	\$9,144,223	The state of the s						
		\$5,624,008			Mart and the state of the state	L. L	and the said	The same of the sa	3	
nch		the state of the s								
			*****	San Charles and Street, and	Francisco Williams	Company of the Company	All the section in the Section is	de la companya de la	A contract of the same of the	The state of the s
FLCM 0003, 0040			\$4,838,842	The second policy and and	Milyan of the Many, and	Contract Contract Contract			And the same of the same of	Air management
che Road Lateral		\$3,060,031		A STATE OF THE PARTY OF THE PAR	the state of the s	Name and Advanced to the Parket	and the land of the land	In the second of the second	A CONTRACTOR OF THE PARTY OF TH	J
Olio Itomo Estelai	Design Started 04/05	\$947.732		\$150,000		THE RESERVE TO SERVE THE PARTY OF THE PARTY	2/9/2017	\$0	YES	CLA01
FLOQ 0100			\$950,000							
	Eng. Est.	\$6,776,287		\$800,000	Annual Contract of the Contrac					A Kanada a Santa a
	\$241.571.216	\$107 037 196	\$47,050,404	\$544.646	\$4.202.041	\$475.111		\$544 848		
				4044,040	44,202,041	4470,111		\$044,040		-
Channel to Bonanza			1)	***********			6/9/2047	\$500,000	VEC	CLA15
VMD 0883 thru 1149 &			\$500,000	\$500,000	- The second second	to the grander was to	6/6/2017	\$500,000	159	CLAIS
FLWA 0001			4000,000	Provident Contraction of the Con		Company (Springer)	PARK AND A			100000000
unset to Teco	and the same of th						to the state of the second second	of the Astrony of the grant Ass.	- A Print Charles Control of the Con	N Francisco Village
		\$176,000		10/2 10 10 10 10		\$122,996	-			
WGTR 0111		\$140,800	\$1,881,120	the state of the s	Contract Secretaria ala Manhamitti	\$163,995	and the second	Company of the Compan	The second live and the second live and	
		\$1,258,396		Louis de la companya del companya de la companya del companya de la companya de l			A CONTRACTOR OF THE PARTY OF TH			
d to Palos Verde			Wasser W. A. Brand and M. C. C. Brand							
EL 14/4 0004 9 0072			#0 e00 044	the same of the sa	10-10-10-10-10-10-10-10-10-10-10-10-10-1	\$188,120	A CONTRACTOR OF THE PARTY OF TH		- Company	
FLVVA 0021 & 00/3			\$2,020,311	Manager Stanford Control of the Cont	Thirt is the same of the same			and the said of th	- in the same of t	11-11-1-1
У		41,021,001		de Presidente Primario de	10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		and the state of t	and the same of the same of	all and the same from the	-
The second secon	and the second of the second of the	\$1,970,430							3	
LVCH 0000, 0114		\$1,576,344	\$22,286,291							
		\$14,088,579		The state of the s	And the state of the state of		to a second	Company of the compan	The state of the s	128-
- UNLV			- last de la company de la com							
EL 14TH 0000			#0 000 TF0	the supply and the probability			Carper Transport	indicate the said and a said	- Indiana in the	Transportation.
PLMIK 0000			\$0,000,750	Control of the Contro	The state of the s	Management Strike reserved	The state of the s	hands the same party of the		-
		44,224,001		A STATE OF THE PARTY OF THE PAR			and a distance of	and the State of the little		I de la constant
and the second section of the second section	Design Started 13/14	\$328.199			\$148,453	the same of the same of	Name and Address of the Owner, where the Owner, which is the Own	The state of the s	Name and Address of the Owner, where the Owner, which is the Owner, which is the Owner, where the Owner, which is the Owner,	
TRMC 0013, 0031	CLA10H13	\$262,559	\$2,802,041	N. N. St. Communication of the Street, and						
		\$2,346,621			\$2,653,589	of form of the same	Lucia	strong and a second	de management	
son		-	and the same of the same	-						
1414 0047 0040 00040	Desire Clasted 07/00				Commence of the Commence of th	Committee to the Committee of				CLA10
0041			\$44,900		Mary Canal Canal Canal	and or hands and				CLA10
	OCHIODOI			(\$100)	The second secon		071112013	(4100)		OLA IVI
ningo Wash to Peco	6									
		\$760,512		the same thin with the	Water Market		A Complete Company	Sand Street of the Sandard	and the state of the state of	
VAVD 0000 & 0025		\$608,410	\$8,841,239	St. D. Alle S. Mar. S. Mar.	in the second	and the state of t		in the sea formation we	-	-
al Del to Later Disa		\$5,437,663			Dimension of the Control	second material street	St. Charles		Same con and the	I was a comme
II Nu. 10 Hotel Kio D		\$32,099	William Constitution of the Constitution of th		\$100,000				-	-
FLWA 0893 & 0896	CLA10F10	\$25,679	\$1,400,000	And the state of the state of the	\$100,000					-
	Eng. Est.	\$229,504			\$1,300,000		The second second second	To be a second or second o		
	\$17,154,487	\$29,604,381	\$50,363,330	\$0	\$0	\$1,000,000		\$0		
yance - Morris to Mo		1-11-11-11-1	1-1,-3-1,-3-	-		,		-		_
		\$421,501						-		
yance - morris to MC		7.2.,001	\$4,747,732	the section with the last the section	*					1
LV01 0151		\$337,201								
LV01 0151		\$337,201 \$3,013,735		and the second second						
	and the same of th	\$3,013,735								
LV01 0151 or Highway		\$3,013,735 \$1,225,497		V. S.	12		10/13/2016		Moved	
LV01 0151		\$3,013,735 \$1,225,497 \$980,397	\$1,053,300	Assessment of the stage of the	C C		10/13/2016	0	Moved	
LV01 0151 er Highway LVBH 0000	Coch to Hord	\$3,013,735 \$1,225,497		An			10/13/2016		Moved	
LV01 0151 or Highway		\$3,013,735 \$1,225,497 \$980,397 \$8,762,304				\$1,000,000				
LV01 0151 er Highway LVBH 0000	Design Started 11/12	\$3,013,735 \$1,225,497 \$980,397 \$8,762,304 \$1,275,229	\$1,053,300			\$1,000,000			Moved	
LV01 0151 or Highway LVBH 0000 yance - Las Vegas V LV01 0001 thru 0135	Design Started 11/12 CLA35A11 Eng. Est	\$3,013,735 \$1,225,497 \$980,397 \$5,762,304 \$1,275,229 \$1,020,185 \$9,117,898				\$1,000,000				
LV01 0151 or Highway LVBH 0000 yance - Las Vegas V LV01 0001 thru 0135	Design Started 11/12 CLA35A11	\$3,013,735 \$1,225,497 \$980,397 \$8,762,304 \$1,275,229 \$1,020,185 \$9,117,898 oulder Hwy.	\$1,053,300			\$1,000,000	10/13/2016		Moved	
LV01 0151 or Highway LVBH 0000 yance - Las Vegas V LV01 0001 thru 0135	Design Started 11/12 CLA35A11 Eng. Est	\$3,013,735 \$1,225,497 \$980,397 \$5,762,304 \$1,275,229 \$1,020,185 \$9,117,898	\$1,053,300			\$1,000,000	10/13/2016		Moved	
	ranch DBF 0010, 0076, 0125 nch FLCM 0003, 0040 Che Road Lateral FLOQ 0100 Channel to Bonanz VMD 0883 thu 1149 & FLWA 0001 d to Palos Verde FLWA 0621 & 0673 Y LVCH 0000, 0114 I - UNLV FLMR 0000 TRMC 0013, 0031 SOO WA 0017, 0019, 0034 & 0041 ningo Wash to Peco VAVD 0000 & 0025 ail Rd, to Hotel Rio D	\$1,065,594,071 \$693,370,426 \$362,797,746 PARTICLE ON THE OWNER OF THE OWNER O	\$1,065,594,071 \$552,627,233 \$693,370,426 \$158,884,827 \$362,797,746 \$19,573,293 FAIRLY STATES SECTION SECTION STATES SECTION	\$1,065,594,071 \$552,627,233 \$246,644,748 \$190 \$693,370,426 \$158,884,827 \$112,347,900 \$362,797,746 \$19,573,293 \$14,934,165 S786,575 S629,259 \$9,144,223	\$1,065,594,071 \$552,627,233 \$246,644,748 \$15,204,038 1go \$693,370,426 \$168,684,827 \$112,347,900 \$1,494,646 \$362,797,746 \$19,573,293 \$14,934,165 \$950,000 FRICH DBF 0010,0076,0125 \$462,525 \$8,144,223 \$950,000 FLCM 0003,0040 \$3428,816 \$950,000 \$1,494,842 \$15,000 \$1,494,646 \$1,4	\$1,065,594,071 \$552,627,233 \$246,644,748 \$15,204,038 \$9,603,336 \$693,370,426 \$166,884,827 \$112,347,990 \$1,494,646 \$4,202,041 \$382,797,746 \$19,675,293 \$14,934,165 \$950,000 \$0 FILCH 0003,0040 \$53,005 \$1,494,223 \$1,494,423 \$1,494,423 \$1,500,000 \$1,44,223 \$1,494,000 \$1,493,00	\$1,065,594,071 \$552,627,233 \$246,644,748 \$15,204,038 \$9,603,336 \$19,840,936 3693,370,426 \$158,884,827 \$112,347,900 \$1,494,646 \$4,202,041 \$1,476,111 \$362,797,746 \$19,573,293 \$14,934,165 \$950,000 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0	\$1,065,594,071 \$552,627,233 \$246,644,748 \$15,204,038 \$9,603,336 \$19,840,936 \$199,840,936 \$168,884,827 \$112,347,900 \$1,494,646 \$4,202,041 \$1,476,111 \$1,476	\$1,055,594,071 \$552,627,233 \$246,644,748 \$15,204,038 \$9,603,336 \$19,840,936 \$63,370,428 \$168,884,827 \$112,347,900 \$1,494,446 \$4,202,041 \$1,476,111 \$544,646 \$4,202,041 \$1,476,111 \$544,646 \$4,202,041 \$1,476,111 \$544,646 \$4,202,041 \$1,476,111 \$544,646 \$4,202,041 \$1,476,111 \$544,646 \$4,202,041 \$1,476,111 \$544,646 \$4,202,041 \$1,476,111 \$544,646 \$4,202,041 \$1,496,100	\$1,055,594,071 \$552,627,233 \$246,644,748 \$15,204,038 \$9,603,336 \$19,840,936 \$6,432,082 \$168,884,827 \$112,347,900 \$1,484,646 \$4,202,041 \$1,476,111 \$5544,646 \$4,202,041 \$1,476,111 \$554,646 \$4,000,000 \$1 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$

EXHIBIT C

CLARK COUNTY 10-YEAR CONSTRUCTION PROGRAM

Amended Ju	ine 8, 2017										
74110114104 01						E YEARS 7/2016 THRE					
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	1			
	Mile Range	Comments	Per MPU	Plan	FY 16/17	FY 17/18	FY 18/19				
TAL PLAN			Annual Resources	\$901,545,815	\$52,982,985	\$46,363,637	\$50,636,749				
Unencumbered from previous year	\$42,587,979	Cu	mulative Available Resources	\$824,308,163	\$41,484,944	\$29,715,990	\$10,156,678		Funding B	tequests 16/17	
TITY RESOURCES			Annual Resources	\$259,929,773	\$18,651,597	\$13,734,680	\$15,000,539		r dildilig i	equests 10/1/	
Unencumbered from previous year	\$2,956,013	Cu	mulative Available Resources		\$3,447,559	\$7,578,902	\$2,738,505	Board Date	Amount	Amendment?	Project N
TITY TOTAL		\$1,065,594,071	\$552,627,233	\$246,644,748	\$15,204,038	\$9,603,336	\$19,840,936		\$6,432,082		
IYDROGRAPHIC BASIN: Duck Creek/ B	lue Diamond	\$302,474,814	\$201,718,434	\$79,940,164	\$10,790,170	\$2,944,984	\$8,536,803		\$4,207,436		
SYSTEM: Blue Diamond Tributaries		\$45,918,214	\$47,534,900	\$20,289,875	\$0	\$0	\$1,177,826		\$0		
PROJECT: Blue Diamond Wash	Applicated	440,010,214	***,00*,000	420,200,010		**	41,111,000	-			
Design/Admin	At ville to 1-10	Constitution and the second section of the second	\$503,358	and The Manager of the Assessment of the Assessment			\$351,768				
Right-of-way	BDWA 0276		\$402,686	\$4,910,969			The state of the s	linned to the control of			
Construction			\$3,599,007			100 pt 10				The state of the s	
PROJECT: Duck Cr./ Blue Diamo	nd, Bermuda to Las Ve	igas Blvd.									
Design/Admin			\$506,588	AF FF0 474	The state of the s	the state of the s	\$354,025 \$472,034	despendential adjust	Commence of the second	· ·	
Right-of-way Construction	DCBD 0075, 0082 & 0084		\$405,271 \$3,622,105	\$5,552,174	A CONTRACTOR OF THE PROPERTY O		\$472,034		The second section of the second	The state of the s	-
PROJECT: Blue Diamond Channe	Amigo to Rancho De	stino	\$3,022,100		A CONTRACTOR OF THE PARTY OF TH	Variable of the Manager of the	information / Printer interest	hanne de management de la constitución de la consti	and the later of the sales of the	and the sea of the second section that the second	
Design/Admin	AL REALIST SHEET WAS AND SHEET WAS		\$848,814	1. 1 mm - 12 /W/2 m/2 W//mm					Total Market St. Complete St. Complete		
Right-of-way	BDWA 0087 thru 0174		\$679,051	\$9,828,732			English and the second				1
Construction			\$6,069,022		1		The state of the s	Towns and the same of the same		- Commence	-
SYSTEM: Upper Duck Creek		\$66,782,047	\$74,969,770	\$52,026,018	\$7,682,735	\$2,344,984	\$3,442,142		\$1,100,000		
PROJECT: Duck Creek, Sunset I	ark	100,000,000								- Water back and the	-
Design/Admin	4,11	The state of the s	\$1,379,919	and the state of t			\$964,346				
Right-of-way	DCSP 0000		\$1,103,935	\$14,224,245						A second	The same transfer of
Construction			\$9,866,422			The second secon		A TO BE A STATE OF THE PARTY OF			Consumption and the
PROJECT: Duck Creek Jones Bo	ulevard			The same and the same of the same of							
Design/Admin		RTC Project	\$831,705			The state of the s	\$387,487	8/11/2016		Remove Design	
Right-of-way Construction	DCJB 0000, 0043		\$665,364	\$2,119,070	Contract the state of the second	A CONTRACTOR OF THE PARTY OF TH	\$1,731,583	The same of the same of		A CONTRACTOR OF THE PARTY OF TH	The state of the s
PROJECT: Blue Diamond Wash	20110		\$5,946,690		tre and the second	and the second second second	\$1,731,003	h-1112	for the same and the	Character Contract	Consideration to the con-
Design/Admin	reppie	RTC Project	\$993,397	the state of the s		\$112,335			1/1/2		3
Right-of-way	BDW4 0000	No Design	\$794,717	\$2,344,984	A Company of the Comp	\$224,669					A A HE AND A SHARE
Construction			\$7,102,787			\$2,007,981			La constitution of the state of		1
PROJECT: Silverado Ranch Dete	intion Basin and Outfal		ALL LAND TO AND A COUNTY OF THE PARTY OF THE	The state of the s							
1st Supplement Design/Admin	BD02 0125 thru 0312 &	Design Started 13/14	\$1,857,765	447 447 700	\$1,080,000	Contract the second state of the second state of		9/8/2016 9/8/2016	\$1,080,000	YES YES	CLA08S CLA08S
1st Supplement Right-of-way Construction	0359 and 0385	CLA08S13	\$1,486,212 \$13,190,259	\$17,815,569	\$20,000	Control of the state of the state of the state of	The state of the s	9/8/2016	\$20,000	TES	CLAUSS
PROJECT: Blue Diamond Channe	102 Decatus - Pule to	Pichmar	\$13,190,239		Maria	Constitution of the second	d	in an angle and an and an and	The same of the sa		
Design/Admin	oz, Decatul -1 yie to	RTC Project	\$742,453		\$500,000						
Right-of-way	BD02 0334, 0358, 0359	No Design	\$593,962	\$6,272,077	August 200 and and an august 200 and august 2						
Construction			\$5,308,536		\$5,772,077				English of the control of		
PROJECT: Blue Diamond Wash	Railroad										
Design/Admin			\$357,137	44 400 470	\$310,657	Company of the Person	-		A CONTRACTOR OF THE PARTY OF TH		
Right-of-way Construction	BDW5 0026		\$285,709 \$2,553,531	\$4,102,478	\$310,657	Commence Com	Contract Contract of State of	a top with a section	COLUMN TO THE PARTY OF THE PART		Territoria, specialista
PROJECT: Duck Creek Wash Tri	butary A - Detention Re	sin to Jones	\$2,003,031		and had been stored and the stored	and the second second	Manager and the second		in the state of th	oli kohin e eri eri den eri eri e	
Design/Admin	Jan December 1	1	\$513,315	Committee of the Commit			\$358,726				
Right-of-way	DCW4 0298		\$410,652	\$5,147,595					(1
Construction			\$3,670,199					and the second of the second	And the same of th	777	A CONTRACTOR OF THE PARTY OF TH
SYSTEM: Lower Duck Creek		\$165,125,232	\$22,785,422	\$3,107,436	\$3,107,436	\$0	\$0		\$3,107,436		
PROJECT: Duck Creek @ Dean	Wartin				The same of the sa	-		STATE OF THE OWNER,			The same of the sa
Design/Admin	the first of the same of the s	Design Started 13/14	\$169,422		\$314,500			10/13/2016	\$314,500	YES	CLA08V
Right-of-way	DCWA 1446 & 1447	CLA08Q13	\$135,537	\$3,787,357	and the second second	1		Contraction of the Contraction	12/2011	Commence to the same to	Charles Charles
Construction		Eng. Est.	\$1,211,361		\$3,472,857	- 100 Colon		10/13/2016	\$3,472,857	YES	CLA08V
PROJECT: Duck Creek - Sunset	o Sandhill		are a second	Value of the second		-	A Designation of the last of t	-	-	-	Name and Address
Design/Admin Right-of-way	DCWA 0648, 0656	Design Started 11/12 HEN24A11		(\$679,921)	San	and the same of the same of	The state of the s	The Samuel Country	THE PERSON NAMED IN	A COLUMN THE REAL PROPERTY.	The state of the s
CLOSEOUT Construction	& 0670	HEN24A11 Eng. Est.		(40/0,021)	(\$679,921)	Commence of the second	The state of the s	8/11/2016	(\$679,921)	YES	HEN24E
			250 400 240	£4 £46 035	\$0	\$600,000	\$3,916,835		\$0		
		\$24,649,321	\$56,428,342	\$4,516,835	\$u	\$600,000	\$3,810,035		***		
SYSTEM: Central Duck Creek		11.		The state of the s		· Control of the cont	-	-			-
PROJECT: Duck Creek Wash, El	Camino to Rainbow	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4007 171				The second second	Control Commission or supply	AND THE RESERVE OF THE PERSON NAMED IN COLUMN	A STATE OF THE PARTY OF THE PARTY OF	Commence of the last
PROJECT: Duck Creek Wash, El Design/Admin	DCWA 1775, 1803,	Developer Participation	\$387,474	000,000	the property of the state of th	The state of the latest	60-10-174	The same of the sa	The state of the s	The same of the sa	30
PROJECT: Duck Creek Wash, El Design/Admin Right-of-way		Developer Participation	\$309,979	\$800,000		\$600,000	A the same support		THE STATE OF STATE		-
PROJECT: Duck Creek Wash, El Design/Admin Right-of-way Construction	DCWA 1775, 1803, 1827	Developer Participation		\$600,000		\$600,000					
PROJECT: Duck Creek Wash, El Design/Admin Right-of-way	DCWA 1775, 1803, 1827	Developer Participation	\$309,979	\$800,000		\$600,000	\$207,514	8/11/2016		Remove Design	
PROJECT: Duck Greek Wash, El Design/Admin Right-of-way Construction PROJECT: Duck Greek Haven Str	DCWA 1775, 1803, 1827	Developer Participation	\$309,979 \$2,770,438	\$800,000 \$3,916,835		\$600,000		8/11/2016		Remove Design	

EXHIBIT C

CLARK COUNTY 10-YEAR CONSTRUCTION PROGRAM

Amended Ju	ne 8 2017										
Allielided 3d						YEARS 7/2016 THR					
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)				
	Mile Range	Comments	Per MPU	Plan	FY 16/17	FY 17/18	FY 18/19				
OTAL PLAN			Annual Resources	\$901,545,815	\$52,982,985	\$46,363,637	\$50,636,749				
Unencumbered from previous year	\$42,587,979	Cu	imulative Available Resources	\$824,308,163	\$41,484,944	\$29,715,990	\$10,156,678		Funding R	equests 16/17	
ITITY RESOURCES			Annual Resources	\$259,929,773	\$18,651,597	\$13,734,680	\$15,000,539				
Unencumbered from previous year	\$2,956,013		umulative Available Resources	**********	\$3,447,559	\$7,578,902	\$2,738,505	Board Date	Amount	Amendment?	Project N
ITITY TOTAL		\$1,065,594,071	\$552,627,233	\$246,644,748	\$15,204,038	\$9,603,336	\$19,840,936	The state of the s	\$6,432,082		
HYDROGRAPHIC BASIN: Outlying Areas		\$69,748,831	\$192,023,972	\$54,356,685	\$2,919,221	\$2,456,310	\$9,829,023		\$1,680,000		
SYSTEM: Goodsprings		\$64,849	\$2,701,170	\$874,034	\$30,000	\$844,034	\$0		\$30,000		
PROJECT: Goodsprings - Phase		The state of the s									
Design/Admin 2nd Supplement Right-of-way	GSEA 0000 GSPA 0027 & 0029	Design Started 09/10 GSP01B10	\$91,455 \$55,910	\$874,034	\$30,000	\$41,367 \$63,224		4/13/2017	\$30,000	YES	GSP01B
2nd Supplement Right-or-way Construction	GSPA 0027 & 0029 GSRV 0019	GSP01B10	\$653,904	\$D/4,U34	\$30,000	\$63,224 \$739,443		4/13/2017	\$30,000	YES	GSPUIB
SYSTEM: Muddy River & Tributaries		\$25,323,000	\$118,662,000	\$24,281,453	\$2,000,000	\$0	\$9,829,023		\$1,650,000		1
PROJECT: Fairgrounds - Detention	n Basin (Whipple Stre		***************************************	7-1,0-1,10-1			11,111,111				
Design/Admin		Design Started 10/11	\$1,197,000		\$350,000		\$533,406	9/8/2016		Moved	
Right-of-way	FGWS 0000 thru 0166	MOA03A11	\$0	\$10,179,023		A CONTRACTOR OF THE PARTY OF TH	80.205.217	0/8/2046	A. 10-10 Carp Str. Str. Str. Workling.		
PROJECT: Muddy River Loganda	le Leves		\$8,344,000		The state of the s	The state of the s	\$9,295,617	9/8/2016	100 To	Moved	
2nd Supplement Design/Admin		Design Started 09/10	\$482,000		\$50,000		A CONTRACTOR OF THE PARTY OF TH	9/8/2016	\$50,000	YES	MOA01H
Right-of-way	MRLL 0001, 0013, 0038	MOA01F10	\$0	\$1,650,000				La markey or San		and the same of the	
2nd Supplement Construction		Eng. Est.	\$2,851,000		\$1,600,000	a transmitted		9/8/2016	\$1,600,000	YES	MOA01H
PROJECT: Bryner Avenue to Lewi Design/Admin	the same of the same of	MOA01B89	\$1,395,000	a series and a series of				9/8/2016		Moved	
Right-of-way M	RLV 0198, 0240, 0268, 0276		\$0	\$12,452,430			N. C.				
Construction		Eng. Est.	\$9,978,000				in a second transfer of	9/8/2016		Moved	
SYSTEM: Mount Charleston		\$304,564	\$894,337	\$99,174	\$0	\$0	\$0		\$0	-	
PROJECT: Rainbow Canyon Boul	evard Bridge			Toron Mary about the state of the state of				10400010			
Design/Admin Right-of-way	MTCH 0001		\$118,849 \$0	\$99,174	- Transport of the state of	The comment of the	- Control troubleston WATER	10/13/2016	Special and the special section of the second	Moved	
Construction	III OI I OOV		\$775,488	444,111	A Company of the Comp			10/13/2016	Application and the National Control	Moved	ATTACA CONTRACTOR
SYSTEM: Laughlin		\$33,124,938	\$58,328,851	\$16,756,159	\$889,221	\$131,153	- \$0		\$0		
PROJECT: Bridge Canyon Detent	ion Basin	A Committee of the Comm									
Design/Admin Right-of-way	LUHS 0415, 0416 , 0417		\$1,110,088 \$0	\$11,183,155		the state of the s	The second second		(denium and the Complete Street	Total Administration of the	The state of the s
Construction	LUNS 0415, 0416 , 0417		\$6,969,201	\$11,103,100	The second second	No. of the second		4	Comment of the Commen	Parameter Anna	I (my first or the sale)
PROJECT: Bridge Canyon Outfall	1 Name and the same and the sam		110000000000000000000000000000000000000		The second secon	Part Company of the same of the				-	-Auto-1-
Design/Admin			\$252,575		Towns on the Contract of the C		Warner of the state of the stat	and the last			
Right-of-way Construction	LUHS 0315, 0316, 0317		\$0 \$1,883,212	\$2,958,262	Contract Con	Charles of the Control of	A Secretarian Commence	· · · · · · · · · · · · · · · · · · ·	mente me tamén me	Business de la composition della composition del	
PROJECT: Hiko Detention Basin B	Expansion		Ψ1,000,212		Carrie Control Control Control	Ministrace and Section 1	A Transport of the Parket	District of the same	and the same of th	Commence of the Commence of th	and the same of th
Design/Admin			\$193,302		A Completion of the Completion	\$131,153	Contract of the state of the st	-Activities and the second			
Right-of-way Construction	LUHS 0244	-	\$0 \$1,212,966	\$1,725,521	The state of the s		-	and we see the said	The state of the state of the state of		
PROJECT: SR 163 at Casino Drive			\$1,212,900		The state of the s	Markey and the same	transfer de conservation de la c	lateral residents and the lateral section is a second section of the lateral sectio	land the same of t		Andrew House
Design/Admin		Design Started 08/09	\$98,081	the state of the s	\$42,658						
Right-of-way	LUBC 0000, 0001, 0005, 0006 & 0031	LAU04A08	\$24,526	\$889,221	With						
Construction			\$778,578	40.000.000	\$846,563	84 482 482	di d	Land Bridge Bridge	Viet and Carried Control		Manufacture Control
SYSTEM: Searchlight	-1-14 O1 O1	\$1,411,509	\$3,224,834	\$3,989,068	\$0	\$1,481,123	\$0		\$0		
PROJECT: Searchlight - South, En		Design Started 09/10	\$173,481			\$78,470		-			
Right-of-way	SRSO 0000, 0010, 0021, 0030	SEA03A09	\$0	\$1,481,123		5,0,470	To The same of the	1			
Construction	0021, 0030		\$1,240,394			\$1,402,653					
PROJECT: Searchlight - West		4-	E202 422						A STATE OF THE PERSON NAMED IN COLUMN 1		-
Design/Admin Right-of-way	SRWE 0001 thru 0091		\$222,430 \$0	\$2,507,945	The state of the s		The state of the s	Colonia per ter pilotogi	Will the state of	10 14 Aug 41 1 1 1 1 1	Service Contraction
Construction			\$1,588,526	42,007,010			77 71 100.2		and the second	Farmer de la company	
SYSTEM: Bunkerville		\$9,519,970	\$8,212,780	\$8,356,797	\$0	\$0	\$0		\$0		
PROJECT: Windmill Wash Detenti	on Basin Expansion							San State of the last			
Design/Admin	WIWA 0039,	Design Started 10/11	\$1,537,304			A CONTRACTOR OF THE PARTY OF TH		2	A south test		and the same of th
Design/Admin Construction	WIJE 0000 & JEWA 0165	BUN01D11	\$0 \$6,214,352	\$8,356,797	The state of the s	C	-			Red Land Co.	100

3 of 3

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

QUARTERLY PROJECT STATUS REPORTS
REPORTING PERIOD – FEBRUARY 2017 THROUGH APRIL 2017

RECOMMENDATION SUMMARY

STAFF:

Accept the reports.

TECHNICAL ADVISORY:

To be heard at the June 29, 2017 Technical Advisory

Committee Meeting.

CITIZENS ADVISORY:

To be heard at the July 3, 2017 Citizens Advisory Committee

Meeting.

RFCD AGENDA ITEM #07 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

QUARTERLY PROJECT STATUS REPORTS

REPORTING PERIOD: FEBRUARY 2017 THROUGH APRIL 2017

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

ACCEPT THE REPORTS (FOR POSSIBLE ACTION)

FISCAL IMPACT: None.

BACKGROUND:

The following Project Status Reports for the period of February 2017 through April 2017 are submitted for your review:

CURRENT PROJECTS (PROJECT LIST AND BOND PROJECTS)

Page

- 1 2 City of Boulder City
- 3 14 City of Henderson
- 15 34 City of Las Vegas
- 35 35 City of Mesquite
- 36 51 City of North Las Vegas
- 52 71 Clark County

OTHER PROJECTS OF INTEREST

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Respectfully submitted,

Todd L. Myers, P.E.

Engineering Director

| TAC AGENDA | RFCD AGENDA | ITEM # | ITEM #07 | Date: 06/08/17 |

CAC AGENDA

ITEM#

Date: 07/03/17

PROJECT STATUS REPORT

Entity	City of Bo	ulder City			Date Prepared	05/17/2017
Project Titl	le: Hemenw	ay System, Phase	e II Improvements		Review Period Fron	n 02/01/2017
					Review Period To	04/30/2017
Combrant	Manakana	Design	BOU01C10			
Contract	Numbers	Construction	BOU01D17			
Total ILA A	mount (De	esign and Cons	truction All Phase	s)	\$2,967,694	

DESIGN	Contract Number	BOU01C10
Description: Proj includes design of a 10' grate inlet ext	on Lk Mtn, increase sed basin cap by	0.8 ac-ft east of Lk Mtn

Description: Proj includes design of a 10 grate finet ext. on LK Mith, increase sed basin cap by 0.8 ac-it east of LK Mith Dr, replace exist riprap and unlined chils with conc chils parallel to Fire Agate Dr, enlarge and armor exist levee near of Lk View, increase FB on the exist Hemenway conc chil with additional conc lining, construct 1.5 and 2.0 ac-ft sed basins near US93 and Lk View, replace exist CMAP with a 2-8 x5' RCB at Lk View, replace exist CMP w/ 12 x4' RCB @ Katzenbach

Date of Original ILA			02/11/2010	Decima II A 4		#74F 000
Date of Most Recent Su	pplement to II	LA .	01/12/2017	Design ILA	Amount	\$745,000
Contract Manager: Jim k Phone Number: 702-293-		Entity: City of	of Boulder City	Consulta Design Gro		age Civil
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$730,000	\$15,000	\$0	\$0	\$0
Percent Complete	0%	90%	100%	0%	0%	0%
Scheduled Completion		05/31/2017	05/01/2016			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Ph IIA constr funding request approved by the RFCD Board and City Council. Consultant is working on staff comments and 100% plans, Ph IIB 60% plans have been submitted & reviewed. Consultant is working on plan comments & 90% plans. Consultant has reviewed new soil study & some minor changes to the facility designs are needed. The berm for HMTH0034 is being designed to meet FEMA levee criteria.

Work to be Completed During Next Quarter: Consultant to complete Phase IIA plans to 100% and submit for review. Staff to complete spec book to 100% and submit for review. Consultant to submit Phase IIB 90% plans for review. Prepare Phase IIA documents for bidding.

CONSTRUCTION	Contract	Number	BOU01D17
Project Name: Hemenway System, Phase IIA Impro	ovements		
Date of Original ILA	02/09/2017	Construction ILA	42 222 604
Date of Most Recent Supplement to ILA		Amount	\$2,222,694

Description: Proj includes construction of a 10' grate inlet ext. on Lk Mtn, increase sed. basin cap. by .8 ac-ft east of Lk Mtn Dr, replace the exist levee near Lk View, increase free board in the exist Hemenway conc chnl with additional conc lining, construct 2.0 ac-ft sediment basin near US93 and Lk View, replace exist CMAP with a 2-8'x5' RCB at Lk View, replace exist CMP with 12'x4' RCB at Katzenbach

Contract Manager: Phone Number:		Construction Mgr:		Contractor:		
Interlocal Agreement	Construction	Construction Mgmt	Environmenta	l Other		
Amount	\$2,047,694	\$175,000	\$0	\$0		
Scheduled Completion	Project Funded	Bids Open	Const Start	Const End		
Dates	02/09/2017	06/29/2017	07/31/2017	12/29/2017		
Bid Amount	\$0					

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Project construction funding approved by the Board and City Council. Consultant and staff are working on completing the design and construction documents for bidding.

Work to be Completed During Next Quarter: Progress plans and specifications to 100% for review. Address any staff comments and complete documents for advertising for bids.

PROJECT STATUS REPORT

Entity	City of Bo	ulder City		Date Prepared	05/17/2017
Project Ti	itle: North Ra	ailroad Conveyan	œ	Review Period From	02/01/2017
				Review Period To	04/30/2017
Combon	d Normalia ana	Design	BOU05310		
Contrac	t Numbers	Construction	BOU05L11		
Total ILA	Amount (De	esign and Cons	truction All Phases)	\$4,033,502	

DESIGN			Contrac	t Number		BOU05J10
Description: Design of var 10'Wx5'D and 8'Wx6'D cond Street and associated appur system that protects the Vet	chni, approx 70 tenances. Phase	00' of 54" RCP, II of the projec	approx 290' of 48 at includes improv	" RCP, 100' long	10'x5' RCB	under Yucca
Date of Original ILA			02/11/2010	Design TI A	Amazint	#E30 000
Date of Most Recent Su	plement to II	LA .	04/13/2017	Design ILA	Amount	\$530,000
Contract Manager: Jim K Phone Number: 702-293-		Entity: City of	of Boulder City		ant: Advanta	age Civil
	Predesign	Design	Environmenta	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$515,000	\$15,000	\$0	\$0	\$0
Percent Complete	0%	90%	100%	0%	0%	0%
Scheduled Completion		05/31/2017	05/01/2011			
Delay or Problem Areas	/Pocolution:					

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Received RFCD staff review comments on 90% plans. Consultant working on addressing review comments and progressing plans to 100%. Consultant has reviewed the design with new SCS soil numbers. Some minor changes to the design are being incorporated. Staff working on specifications for the project.

Work to be Completed During Next Quarter: Consultant to address plan review comments and submit 100% plans for review. Staff to review and provide comments to the consultant. Staff to complete and submit specifications for review. Staff to submit request for construction funding.

CONSTRUCTION				Contra	act	Number			BOU05L11
Project Name: North Rail	road Conveyance								
Date of Original ILA			0	5/19/201	1	Construct	tion ILA		42 EN2 EN2
Date of Most Recent Su	pplement to IL	A	0	3/12/201	.5	Amount			\$3,503,502
Description: The basic im (RCB) culverts, 10' x 5' and storm drain and associated	8' x 6' rectangula	ar cond	crete channels,	24", 36",	, 48"	and 54" re			
Contract Manager: Jim I Phone Number: 702 293	Keane, P.E.		truction Mgr				Contrac Constud		APCO
Interiocal Agreement	Construction		Constructio	n Mgmt	Env	/ironment	al (Other	
Amount	\$3,045,163		\$458,339		\$0		4	0	
Scheduled Completion	Project Funde	d	Bids Open		Co	nst Start		Const	End
Dates	08/11/2011		07/19/2012		10/	08/2012)7/25/	2013
Bid Amount	\$2,964,990								
Delay or Problem Areas	/Resolution:								
Work Completed During	Current Quart	er: Al	I work complete	te.					
Work to be Completed I	During Next Qu	arter	All work com	plete					

PROJECT STATUS REPORT

Entity C	ity of Her	nderson		Date Prepa	red	05/18/20	17
Project Title:	Pittman V	Wash, Duck Cree	k at I-515	Review Per	riod From	02/01/20	17
				Review Pe	riod To	04/30/20)17
		Design	HEN01H09				
Contract Nu	mbers	Construction	HEN01I14				
Total ILA Amo	ount (De	sign and Cons	truction All Phases)	\$2,892,580			

DESIGN			Contract		HEN01H09	
Description: Pittman Wash Interchange. Includes additi					orth of the	Galleria
Date of Original ILA			07/09/2009	Danis VI A A		4403 705
Date of Most Recent Sup	03/12/2015	Design ILA Amount \$402,7				
Contract Manager: Scott Jarvis Phone Number: 267-3065		Entity: City	of Henderson	Consultar	t: Atkins	
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$372,370	\$20,401	\$9,934	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		04/30/2015	07/30/2014	07/30/2014		

Delay or Problem Areas/Resolution: Now tracking under HEN01I14.

Work Completed During Current Quarter: Now tracking under HEN01I14.

Work to be Completed During Next Quarter: Now tracking under HEN01I14.

CONSTRUCTION				Contra	act I	Number		HEN01I14	
Project Name: Pittman W	ash, Duck Creek	at I-	515						
Date of Original ILA				12/11/2014 Constru			ion ILA	42 400 07	
Date of Most Recent Su	pplement to IL	A		05/21/2015 Amo		Amount		\$2,489,87	
Description: Pittman Was Interchange. Design revised extent of NDOT ROW. NDO	d during CMAR p T is contributing	roces	s to replace ex	isting 4: 1			h 3: 21'x8' R	CBC's to full	
Contract Manager: Scott Jarvis, PE Phone Number: 702-267-3065			struction Mg	r:			: Las Vegas		
Interlocal Agreement	Construction		Constructi	on Mgmt	Mgmt Environmen		ol Oth	er	
Amount	\$2,303,585		\$186,290		\$0		\$0	\$0	
Scheduled Completion	Project Funded		Bids Open		Cor	Const Start Con		onst End	
Dates	12/11/2014		04/30/2015		06/	02/2015	12/3	1/2016	
Bid Amount	\$3,403,585								
Delay or Problem Areas									
Work Completed During									
Work to be Completed I	During Next Qu	ıarte	r: Complete pr	oject.					

PROJECT STATUS REPORT

Entity	City of He	nderson		Date Prepared		05/24/2017	,
Project T	itle: Racetrac	k Channel, Drak	e to Burkholder	Review Period From 02/0		02/01/2017	,
				Review Period	To	04/30/2017	,
0	A Alexander	Design	HEN04P09				
Contrac	t Numbers	Construction	HEN04Q15				
Total ILA	Amount (De	esign and Con	struction All Phases)	\$1,284,749			

DESIGN			Contract	Contract Number				
Description: This project of channel bottom. The project Master Plan Update as ID No.	is 1,260 feet in	length and coi	nveys a flow rate of					
Date of Original ILA			12/10/2009	Design TI A A	mount	\$247,099		
Date of Most Recent Sup	12/10/2015	Design ILA A	mount	\$247,099				
Contract Manager: Albert J. Jankowiak, P.E., CFM Phone Number: 702-267-3024		Entity: City of	of Henderson	Consultar	nt:			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Othe		
ILA Amount	\$0	\$242,099	\$5,000	\$0	\$0	\$0		
Percent Complete	100%	100%	100%	100%	0%	0%		
Scheduled Completion		07/01/2015	01/31/2015	01/31/2015				

Work Completed During Current Quarter: The project is substantially complete. Contractor is continuing to work on addressing punch list items.

Work to be Completed During Next Quarter: Pay final invoices and start close-out process.

CONSTRUCTION			Contra	act i	Number		HEN04Q15	
Project Name: Racetrack	Channel, Drake to	Burkholder						
Date of Original ILA			07/09/201	.5	Construc	tion ILA	\$1,037,650	
Date of Most Recent Sup	plement to ILA		01/14/201	6	Amount		\$1,037,03	
Description: This project of the pro	t is 1,260 feet in le	ength and convey	s a flow rat	chan te of	nel bottom 721 cfs. It	is referred	to in the 2008	
Contract Manager: Matt Roybal Phone Number: 702-267-3066 Construction			gr: Brian H	afen		or: Las Vegas		
nteriocal Agreement	Construction	Construct	ion Mgmt	Env	/ironment	tal Other		
Amount	\$903,650	\$134,000		\$0		\$0		
Scheduled Completion	Project Funded	Bids Oper	Bids Open		Const Start		nst End	
Dates	07/09/2015	08/11/2015	08/11/2015 1		12/01/2015		10/31/2016	
Sid Amount	\$774,430		,					
Delay or Problem Areas, Work Completed During		r: The project is	substantiall	у сог	mplete. Cor	ntractor is c	ontinuing to	
ddress punch list items.								

PROJECT STATUS REPORT

Entity	City of He	enderson		Date Prepared	05/24/2017
Project T	itle: Pittman,	Horizon Ridge D	etention Basin	Review Period From	02/01/2017
				Review Period To	04/30/2017
C	4 No	Design	HEN05E09		
Contrac	ct Numbers	Construction	HEN05G16		
Total ILA	Amount (De	esign and Cons	truction All Phases)	\$9,021,685	

DESIGN	2 2 114		Contract	Contract Number				
Description: The Horizon through 0205) project was (MPU) as a segment of the been changed to a detentio	identified in the Pittman Burns S	2008 Clark Cou	inty Regional Flood	Control District	Master Plan	Update		
Date of Original ILA			12/10/2009	Design ILA Amount \$727,2				
Date of Most Recent Su	pplement to I	LA	08/14/2014	Design ILA	Amount	\$727,285		
Contract Manager: Scott Phone Number: 702-267		Entity: City of	of Henderson	Consulta	nt: CH2M H	ill/Jeff Gries		
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other		
ILA Amount	\$0	\$529,802	\$88,479	\$99,004	\$10,000	\$0		
Description of the	0%	99%	100%	100%	0%	0%		
Percent Complete								

development.

Work Completed During Current Quarter: Acquired Dam Safety Permit.

Work to be Completed During Next Quarter: Finalize coordination with neighboring developer and bid project.

CONSTRUCTION			Contra	Contract Number					
Project Name: Horizon R	idge Detention Ba	sin							
Date of Original ILA			04/14/201	6	Construct	Construction ILA			
Date of Most Recent Su	pplement to IL	A			Amount			\$8,294,40	
Description: The Horizon through 0205) project was (MPU) as a segment of the been changed to a detention	identified in the 2 Pittman Burns Sys	008 Clark County	Regional Fl	ood	Control Dis	trict M	aster Plan	n Update	
Contract Manager: Scott Fiedler Phone Number: 702-267-3064 Construction			gr: Lance C	lson		ГВD			
Interlocal Agreement	Construction	Construct	ion Mgmt	Env	/ironmenta	al	Other		
Amount	\$7,680,000	\$614,400		\$0			\$0		
Scheduled Completion	Project Funde	d Bids Open		Co	nst Start Const		Const	st End	
Dates	04/14/2016	05/30/2017	,	07/	30/2017		05/01/2018		
Bid Amount	\$0								
Delay or Problem Areas									
Work Completed During	Current Quart	er: See HEN05E09							
Work to be Completed I	During Next Qua	arter: See HEN05	E09.						

PROJECT STATUS REPORT

Entity	City of He	nderson		Date Prepared	05/24/2017
Project T	itle: Equestria	an Detention Basi	n Expansion	Review Period From	02/01/2017
				Review Period To	04/30/2017
Combine	at Name have	Design	HEN06H09		
Contrac	t Numbers	Construction	HEN06J13		
Total ILA	Amount (De	esign and Cons	truction All Phases)	\$1,444,997	

DESIGN			Contract	Number	EN06H09		
Description: The Equestria	n Detention Bas	sin Expansion p	roject (C1EQ 0160)) is identified in	the 2008 Cla	rk County	
Regional Flood Control Distr	rict Master Plan	Update (MPU) a	as a segment of the	C 1 Channel S	ystem. The in	nprovemen	
to the Equestrian Detention	Basin will expan	nd the capacity 1	from 409 acre-feet	to 448.2 acre-f	eet in order to	provide t	
storage to impound the run	off volume gene	erated during th	e 100-year design	storm event.			
Date of Original ILA			08/13/2009	Design ILA Amount \$346,7			
Date of Most Recent Sup	plement to II	LA .	03/09/2017	Design ILA	Amount	\$346,797	
Contract Manager: Alber	t J Jankowiak,						
P.E., CFM		Entity: City of	of Henderson	Consulta	nt: LBG		
Phone Number: 702-267-	3024						
	Predesign	Design	Environmental	Right-of- Way	LOMR	Othe	
ILA Amount	\$0	\$292,966	\$12,818	\$29,013	\$12,000	\$0	
Percent Complete	0%	100%	100%	100%	0%	0%	
Scheduled Completion		09/30/2013	07/25/2011	09/01/2011	12/31/2018)	

Delay or Problem Areas/Resolution: Finalizing amendment to the ESA. Once approved LBG to work on LOMR and State Dam Safety Permit update package.

Work Completed During Current Quarter: City council approved amendment to ESA. LBG is working on LOMR and State Dam Safety Permit update package. See HEN06J13.

Work to be Completed During Next Quarter: LBG to continue working on LOMR and State Dam Safety Permit update package. See HEN06J13.

		Contra	act Number		HEN06J13
Detention Basin	Expansion				
		10/11/201	2 Construc	tion ILA	#1 000 300
pplement to IL	A	11/10/201	6 Amount		\$1,098,200
rict Master Plan L Basin will expan	Jpdate (MPU) a d the capacity i	is a segment of from 409 acre-f	the C 1 Channe feet to 448.2 ac	el System re-feet in	. The improvement
t J Jankowiak, 4	Construction Davy	n Mgr: Nate W	ilson/Tom	Contra	ctor: Tand, Inc.
Construction	Consti	ruction Mgmt	Environment	al (Other
\$1,012,000			\$0		\$0
Project Funde	ed Bids O	pen	Const Start		Const End
04/11/2013	04/28/	2014	10/13/2014	(04/11/2015
\$987,355					
	pplement to IL an Detention Bas rict Master Plan I Basin will expan off volume gene t J Jankowiak, Construction \$1,012,000 Project Funde 04/11/2013	rict Master Plan Update (MPU) a Basin will expand the capacity for volume generated during the transported during	Detention Basin Expansion 10/11/201 11/10/201 In Detention Basin Expansion project (C1EQ 0 rict Master Plan Update (MPU) as a segment of Basin will expand the capacity from 409 acre-foff volume generated during the 100-year dest J Jankowiak, Construction Mgr: Nate W Davy Construction Mgmt \$1,012,000 \$86,200 Project Funded Bids Open 04/11/2013 04/28/2014	pplement to ILA In Detention Basin Expansion project (C1EQ 0160) is identifier in the Master Plan Update (MPU) as a segment of the C 1 Channe Basin will expand the capacity from 409 acre-feet to 448.2 acre off volume generated during the 100-year design storm event to Jankowiak, Construction Mgr: Nate Wilson/Tom Davy Construction Mgmt Environment \$1,012,000 \$86,200 \$0 Project Funded Bids Open Const Start 04/11/2013 04/28/2014 10/13/2014	Detention Basin Expansion 10/11/2012 Construction ILA

LOMR and State Dam Safety Permit update package. See HEN06H09.

Work to be Completed During Next Quarter: LBG started working on LOMR and State Dam Safety Permit update package. See HEN06H09.

Work Completed During Current Quarter: City council approved amendment to ESA. LBG started working on

PROJECT STATUS REPORT

Entity	City of He	nderson		Date Prepared	05/24/2017
Project Title	: Pittman,	West Horizon - I	Palm Hills	Review Period From	02/01/2017
-				Review Period To	04/30/2017
Contract Numbers	Design	HEN12I09			
Contract N	lumbers	Construction	HEN12J16		
Total ILA An	nount (De	sign and Cons	truction All Phases)	\$3,105,958	

DESIGN			Contract			HEN12I09
Description: The Pittman Regional Flood Control Distribution from toncrete arch pipe at MPU Scommercial properties.	rict Master Plan the existing cond	as a segment of crete channel ab	f the Pittman Burns ove the Palm Hills	System. Constr development to	ruction of the existing rei	is facility wi nforced
Date of Original ILA			07/09/2009	Design ILA	mount	\$275,078
Date of Most Recent Sup	pplement to I	LA	08/14/2014	Design 1LA	Amount	\$275,076
Contract Manager: Scott Phone Number: 702 267		Entity: City of	of Henderson	Consulta	nt: CH2M H	lill
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$209,643	\$42,727	\$22,708	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		04/01/2016	04/01/2016			
Delay or Problem Areas		ter: See HEN12	2116			

CONSTRUCTION			Co	ntract l	Number		HEN12316
Project Name: Palm Hills	Channel						A
Date of Original ILA			04/14/	2016	Construc	tion ILA	#2 020 000
Date of Most Recent Su	pplement to IL	A			Amount		\$2,830,880
Description: The Pittman Regional Flood Control Dist provide a connection from to concrete arch pipe at MPU S	West Horizon Pal rict Master Plan a the existing concr	m Hills proj s a segmen ete channel	of the Pittma above the Pal	n Burns m Hills o	System. Co	instruction of	f this facility wil
Contract Manager: Scott Phone Number: 702-267	Fiedler		ion Mgr: Lan			Contracto Construction	
Interlocal Agreement	Construction	struction Constructi		mt En	/ironment	al Oth	er
Amount	\$2,598,738		2,142	\$0		\$0	
Scheduled Completion	Project Funde	d Bids	Open	Co	nst Start	Con	st End
Dates	04/14/2016	05/1	1/2016	10/	01/2016	01/1	15/2016
Bid Amount	\$1,858,636						
Delay or Problem Areas	/Resolution:						
Work Completed During	Current Quart	er: Box cul	ert installation	ongoin	g.	4.40	
Work to be Completed I							

PROJECT STATUS REPORT

Entity	City of He	enderson			Date Prepa	red	05/24/	2017
Project Ti	itle: Pittman	Review Per	02/01/	2017				
					Review Per	riod To	04/30/	2017
Contra	d Numbers	Design	HEN16A01					
Contrac	t Numbers	Construction	HEN16D15	HEN16E15				
Total ILA	Amount (De	esign and Cons	truction All	Phases)	\$8,316,500			

DESIGN			C	Contract	Number		HEN16A01
Description: Design, right	of way and en	vironmental mi	itigation of	the Pittm	an North Dete	ntion Basin a	ind Outfall.
Date of Original ILA			07/1	2/2001	Danies VI A	Annamak	41 074 074
Date of Most Recent Su	Date of Most Recent Supplement to ILA				Design ILA	Amount	\$1,974,074
Contract Manager: Albe P.E., CFM Phone Number: 702-267		Entity: City of Henderson		Consult			
	Predesign	Design	Environn	nental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$1,423,262	\$366,	106	\$122,389	\$44,927	\$17,390
Percent Complete	100%	85%	1009	%	100%	0%	0%
Scheduled Completion		02/01/2015	11/01/2	2014	10/01/2014		10/01/201

Delay or Problem Areas/Resolution: Working on design alternative for RCC spillway at RFCD request. Address review comments for 90% design submittal.

Work Completed During Current Quarter: City preparing amendment to design ESA for detention basin RCC spillway alternative, possible plan revisions due to alternative analysis, and revisions to specifications. VTN working to obtain NDOT encroachment permit for outfall adjacent to St Rose Pkwy. Geotechnical work is ongoing.

Work to be Completed During Next Quarter: Construction of Phase 1 is almost complete. Start construction of Phase II with Starr Road project. Continue design on the detention basin and outfall south of St Rose Pkwy. Receive NDOT permit and start construction on PTWA 0884.

CONSTRUCTION			Contra	act	Number			HEN16D15
Project Name: Pittman N	orth Detention Basin a	and Outfall, Ph	ase 1					
Date of Original ILA			01/08/201	5	Construc	tion IL	A	
Date of Most Recent Su	pplement to ILA		01/14/2016 Amount				\$4,342,10	
Description: Construction		Detention Basi	n Inflow ch	nann	el and culve	ert.		
Contract Manager: Alber P.E., CFM Phone Number: 702-267	Cor	nstruction Mg	r: Brian Ha	afen		Contr Paving		Las Vegas
Interlocal Agreement	Construction	Constructi	on Mgmt	Env	vironment	al	Other	
Amount	\$3,818,100	\$524,005		\$0			\$0	
Scheduled Completion	Project Funded	Bids Open		Co	nst Start		Const	End
Dates	01/08/2015	10/27/2015		12/	01/2015		03/31	/2017
Bid Amount	\$3,450,139							
Delay or Problem Areas	/Resolution: None.							
Work Completed During QC and contractor working	to address punch list	items.						
Work to be Completed I process.	During Next Quarte	er: Address pur	nch list iten	ns. I	Pay final inv	oices. S	Start do	se-out

PROJECT STATUS REPORT

Entity	City of He	Date Prepared Review Period From			4/2017			
Project Title	: Pittman				1/2017			
					Review Pe	eriod To	04/3	0/2017
Contract Numbers		Design	HEN16A01					
Contract	lumbers	Construction	HEN16D15	HEN16E15				
Total ILA A	nount (De	esign and Cons	truction All	Phases)	\$8,316,500			

CONSTRUCTION				Contra	act f	Number			HEN16E15
Project Name: Pittman N	orth DB & Outfall	l, Phas	se II - Starr Avenu	ie					
Date of Original ILA			10/0	08/201	5	Construc	tion II	A	42 000 22
Date of Most Recent Su	pplement to IL	A	09/08/2016 Amount					\$2,000,32	
Description: Construction Detention Basin Outfall nor components so that they ca	th of St Rose Park	kway.	These culverts are	e being	inst	alled sepa			
Contract Manager: Scott Phone Number: 702-267		Cons	struction Mgr: La	ance O	Ison		Conti		Las Vegas
Interlocal Agreement	Construction		Construction N	Mgmt	Env	ironment	al	Other	
Amount	\$1,852,096		\$148,225		\$0			\$0	
Scheduled Completion	Project Funde	ed	Bids Open		Cor	st Start		Const	End
Dates	10/08/2015		07/20/2016		02/	15/2017		09/30/	2017
Bid Amount	\$6,299,539								
Delay or Problem Areas Rinker to manufacture the				o allow	NV	Energy tim	e to co	mplete r	elocations ar
Work Completed During	Current Quart	er: St	arted construction	1.					
Work to be Completed I					activ	ities.			

PROJECT STATUS REPORT

Entity	City of He	nderson			Date Prepa	ared	05/24/	/2017
Project Til	le: Anthem	Pkwy Channel, H	orizon Ridge to !	Sienna Heights	Review Pe	riod From	02/01/	/2017
					Review Pe	riod To	04/30/	/2017
Contract Numbers		Design	HEN22A09					
Contract	Numbers	Construction						
Tabal TI A	Amount /D	esign and Cons	ruction All Dh	12025	\$179,474			

DESIGN			Contract	Contract Number					
Description: Design of the Parkway and the existing ch			s to the existing Rei	inforced Box Cu	lverts under	Horizon Ridge			
Date of Original ILA			07/09/2009	Design VI A	Amount	£170.474			
Date of Most Recent Su	12/11/2014	Design ILA	Amount	\$179,474					
Contract Manager: Phone Number:		Entity: City	of Henderson	Consult	ant:				
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other			
ILA Amount	\$0	\$169,474	\$10,000	\$0	\$0	\$0			
Percent Complete	0%	60%	50%	0%	0%	0%			
Scheduled Completion		12/31/2016	12/31/2016			12/31/201			

Delay or Problem Areas/Resolution: City design staff working with Parks and Recreation staff on potential combining of projects. Parks and Recreation staff is working to identify funding sources for park improvements.

Work Completed During Current Quarter: None.

Work to be Completed During Next Quarter: MPA is being rolled into 2018 LVV MPU

PROJECT STATUS REPORT

Entity	City of He	nderson			Date Prepa	red	05/24	/2017
Project Title: Center Street Storm Drain					Review Period From			/2017
					Review Per	iod To	04/30	/2017
Combone	Contract Numbers	Design	HEN23A09					
Contract	Numbers	Construction	HEN23B16					
Total ILA	Amount (De	esign and Cons	truction All Phases)		10,266,190			

DESIGN			Contract	Contract Number				
Description: Design of dra extends from Fir Street to L C1CT0036, and C1CT0048.	ake Mead Parkw							
Date of Original ILA			08/13/2009	Decim VIA A		¢524.755		
Date of Most Recent Sup	plement to I	LA	04/13/2017	Design ILA Amount \$534,				
Contract Manager: Scott Phone Number: 702 267	Entity: City of Henderson		Consultant: GCW					
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other		
ILA Amount	\$0	\$499,355	\$21,530	\$13,870	\$0	\$0		
Percent Complete	0%	100%	100%	100%	0%	0%		
Scheduled Completion		04/01/2016	04/01/2016	04/01/2016				

Work Completed During Current Quarter: Project was bid and awarded.

Work to be Completed During Next Quarter: Begin construction.

CONSTRUCTION			Contr	act I	Number		HEN23B16
Project Name: Center Str	reet Storm Drain		•				
Date of Original ILA			03/10/201	16	Construct	ion ILA	40 721 425
Date of Most Recent Su	pplement to IL	A	04/13/201	17	Amount		\$9,731,435
Description: Construction extends from Fir Street to L C1CT0036, and C1CT0048	ake Mead Parkwa						
Contract Manager: Scott Phone Number: 702-267		Construc	tion Mgr: Lance (Olson	1	Contracto	r: TBD
Interlocal Agreement	Construction	Cor	struction Mgmt	Env	vironmenta	ol Oth	er
Amount	\$8,915,326	\$81	6,109	\$0		\$0	
Scheduled Completion	Project Funde	ed Bid	s Open	Cor	nst Start	Cor	st End
Dates	03/10/2016	03/	01/2017	06/	30/2017	05/0	01/2018
Bid Amount	\$0						
Delay or Problem Areas	/Resolution: Se	ee HEN23A	09.				
Work Completed During	Current Quart	er: See HE	N23A09.				
Trent Completed Commis	During Next Qu						

PROJECT STATUS REPORT

Entity	City of He	nderson		Date Prepared	05/24/2017		
Project Title	: Duck Cre	ek, Sunset to S	Review Period From	02/01/2017			
			Review Period To	04/30/2017			
Combract N	lbasa	Design	HEN24A11				
Contract N	umbers	Construction	n HEN24B13				
Total ILA An	nount (De	sign and Con	\$4,066,576				

DESIGN			Con	tract	Number		HEN24A11	
Description: The Duck Cr Clark County Regional Floo								
Date of Original ILA			07/14/2	011	Design 71		AF00 746	
Date of Most Recent Su	ate of Most Recent Supplement to ILA					Amount	\$590,746	
Contract Manager: Albe P.E., CFM Phone Number: 702-267		Entity: City of Henderson		Consul	tant: Atkins			
	Predesign	Design	Environmen	tal	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$324,421	\$161,839		\$39,006	\$54,206	\$11,274	
Percent Complete	100%	100%		100%	100%	0%		
Scheduled Completion	01/31/201	4	05/10/2013	03/15/2017	09/01/201			

Delay or Problem Areas/Resolution: None

Work Completed During Current Quarter: Received LOMR from FEMA on March 2, 2017. The Effective date is July 17, 2017. See HEN24B13.

Work to be Completed During Next Quarter: City to pay final invoices and start close-out process. See HEN24B13

CONSTRUCTION			Contra	act	Number			HEN24B13
Project Name: Duck Cree	k, Sunset to San	dhill						
Date of Original ILA			11/14/201	.3	Construc	tion I	LA	#2 47E 920
Date of Most Recent Su	pplement to IL	A	08/11/201	6	Amount			\$3,475,830
Description: Approximate	ly 2600 LF of tra	pezoidal concrete	channel.					
Contract Manager: Alber Phone Number: 702-267		Construction I	Mgr: Lance C	Olsor	n		tractor: ractors	Eagle View
Interlocal Agreement	Construction	Constru	ction Mgmt	En	vironment	al	Othe	r
Amount	\$3,345,477	\$130,353		\$0			\$0	
Scheduled Completion	Project Funde	d Bids Ope	en	Co	nst Start		Cons	t End
Dates	11/14/2013	08/20/20	14	12/	/04/2014		09/01	/2015
Bid Amount	\$3,503,421							
Delay or Problem Areas	/Resolution:							

Work to be Completed During Next Quarter: Address FEMA comments as necessary.

PROJECT STATUS REPORT

Entity	City of He	enderson			Date Prepar	ed	05/24/2017		
Project Tit	le: Appaloo	Review Peri	02/01/2017						
		Review Peri	04/30/2017						
Combunet	Mumbana	Design	HLD06A15						
Contract	Numbers	Construction	HEN23B16	HLD06A15					
Total ILA	Amount (De	\$10,657,270							

DESIGN			Contrac	t Number		HLD06A15	
Description: The project in drain in Appaloosa Road fro Tributary Phase II project.							
Date of Original ILA			07/09/2015	Design VIA		+0	
Date of Most Recent Sup	04/13/2017	Design ILA A	mount	\$0			
Contract Manager: Phone Number:		Entity: City of Henderson		Consultar	Consultant:		
	Predesign	Design	Environmenta	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$0	\$0	\$0	\$0	\$0	
ercent Complete 0%		0%	0%	0%	0%	0%	
Scheduled Completion		12/01/2016	03/01/2016	03/01/2016			

Work Completed During Current Quarter: Bid and awarded the project.
Work to be Completed During Next Quarter: Begin construction.

CONSTRUCTION				Contra	act	Number			HEN23B16
Project Name: Center Str	reet Storm Drain								
Date of Original ILA			03	3/10/201	6	Construct	tion II	A	40 721 425
Date of Most Recent Su	pplement to IL	A	04	4/13/201	7	Amount			\$9,731,43
extends from Fir Street to L C1CT0036, and C1CT0048 Contract Manager: Scott									
Phone Number: 702-267		Cons	truction Mgr	Lance O	Isor	1	Conti	ractor:	TBD
Interlocal Agreement	Construction		Construction	n Mgmt	En	vironment	al	Other	
Amount	\$8,915,326		\$816,109		\$0			\$0	
Scheduled Completion	Project Funde	ed	Bids Open		Co	nst Start		Const	End
Dates	03/10/2016		03/01/2017		06/	30/2017		05/01/	2018
Bid Amount	\$0								
Delay or Problem Areas									
	Current Quart								

PROJECT STATUS REPORT

Entity	City of He	enderson			Date Prep	ared	05/24/2017		
Project T	itle: Appaioo	Review Po	02/01/2017						
		Review Pe	04/30/2017						
C	4 Name bana	Design	HLD06A15						
Contrac	t Numbers	Construction	HEN23B16	HLD06A15					
Total ILA	Amount (De	\$10,657,270							

CONSTRUCTION				Contra	act I	Number			HLD06A15
Project Name: Appaloosa	Storm Drain								
Date of Original ILA			0	7/09/201	.5	Construc	tion ILA		+025 024
Date of Most Recent Su	pplement to IL	A	0	4/13/201	.7	Amount			\$925,834
Description: The project in Irain in Appaloosa Road fro Tributary Phase II project. Contract Manager: Scott	om Rawhide Driv	e to Wago		ve, tying				ted Eq	uestrian
Phone Number: 702-267					-				
nterlocal Agreement	Construction			n Mgmt Environmen		ironment		Other	
Amount	\$925,834	\$0	\$0		\$0		\$	0	
Scheduled Completion	Project Funde	d Bi	ds Open		Cor	st Start	0	Const	End
Dates	07/09/2015	03	/01/2017		06/	30/2017	0	2/01/	2017
Bid Amount	\$0								
Delay or Problem Areas	/Resolution:								
• • • • • • • • • • • • • • • • • • • •									
Work Completed During	Current Quart	er: Bid an	d awarded	the proje	ect.				
Work to be Completed I									
work to be completed i	Juling Next Qu	arter be	giii consu u	cuon.					

PROJECT STATUS REPORT

Entity	City of La	s Vegas			Date Prepa	ared	05/24/2017		
Project Tit	le: Oakey -	Meadows Storm		Review Period From			1/2017		
			Review Period To		04/30/2017				
Combinat	Normaliana	Design	LAS05E03						
Contract	Numbers	Construction	LAS05I08	LAS05J10	LAS05K15				
Total ILA Amount (Design and Construction All Phases)					\$52,940,846				

DESIGN			Contract	Number		LAS05E03
Description: Design of var facilities include 1,700 LF of to 12' x 5' with associated of	40-foot wide a	oncrete channel				
Date of Original ILA			08/14/2003	Decise VIA A		dE 470 254
Date of Most Recent Su	Design ILA Amount \$5,470,3					
Contract Manager: Micha Phone Number: 229-6734		Entity: City	of Las Vegas	Consultar	nt: Atkins	
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$5,320,354	\$0	\$50,000	\$0	\$100,000
Percent Complete	0%	100%	0%	100%	0%	0%
Scheduled Completion		11/18/2014		09/30/2008		

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Phase I and Phase II designs are complete. Phase IIA construction was completed January 2011. Phase IIB construction was completed July 2013. Phase III plans are complete. Phase III is now CMAR project. The design is complete for Phase III.

Work to be Completed During Next Quarter: Overall construction of all three phases is now complete.

CONSTRUCTION				Contra	act I	Number			LAS05I08
Project Name: Oakey-Me	adows Storm Dra	in, Pha	se I						
Date of Original ILA				11/13/200	8	Construc	tion IL	A	±17 696 297
Date of Most Recent Su	pplement to IL	A		09/13/201	.2	Amount			\$12,686,287
Description: Construction Includes 1,500 lineal feet of									
Contract Manager: Micha Phone Number: 229-673		Const	ruction Mg	r: GC Wal	lace,	Inc.	Contra Valley	actor: N	1eadow
Interlocal Agreement	Construction		Constructi	on Mgmt	Env	rironment	al	Other	
Amount	\$11,676,614		\$1,009,672		\$0			\$0	
Scheduled Completion	Project Funde	ed	Bids Open		Co	st Start		Const	End
Dates	11/13/2008		09/03/2009		12/	14/2009		01/12/2	2011
Bid Amount	\$10,982,832								
Delay or Problem Areas	/Pecolution:								

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: The NTP was issued December 14, 2009. Construction began at the LVVWD site. Phase I construction is now complete with Substantial Completion on 1/12/2011. Provided "As-Builts" to RFCD as part of close out process. Phase I is closed.

Work to be Completed During Next Quarter:

PROJECT STATUS REPORT

Entity	City of La	s Vegas			Date Prepa	red	05/24/2017		
Project T	itle: Oakey -	Meadows Storm	Drain		Review Per	iod From	02/01	/2017	
					Review Per	iod To	04/30)/2017	
Combras	d Number	Design	LAS05E03						
Contrac	t Numbers	Construction	LAS05I08	LAS05J10	LAS05K15				
Total ILA	Amount (De	esign and Cons	truction All	Phases)	\$52,940,846				

CONSTRUCTION			Contr	act	Number		LAS05J10
Project Name: Oakey Me	adows Storm Dra	ain-Phas	se II				
Date of Original ILA			04/08/201	0	Construc	tion ILA	¢0 933 094
Date of Most Recent Su	pplement to IL	.A	11/13/201	4	Amount		\$9,822,98
Description: Construction Charleston Boulevard and Happroximately 5,200 feet of	linson intersectio f reinforced conc	n West	to Decatur Boulevard.	The	proposed in	mprovements ainage convey	include ance facilities
Contract Manager: Micha Phone Number: 229-673		Const	truction Mgr: GC Wal	lace,	Inc.	Contractor: Paving	Las vegas
Interiocal Agreement	Construction		Construction Mgmt	Env	vironment	al Othe	r
Amount	\$8,346,381		\$1,476,603			\$0	
Scheduled Completion	Project Funded		Bids Open		nst Start	Cons	t End
Dates	04/08/2010		03/07/2011	05/	24/2011	06/28	/2012
Bid Amount	\$6,430,467						
Delay or Problem Areas	/Resolution:						
Work Completed During May 2012. Project Closed.	Current Quart	ter: Pha	ase IIA construction is	com	plete. Proje	ct walk throug	h completed

CONSTRUCTION				Contra	act i	Number		LAS05J10
Project Name: Oakey Mea	dows Storm Dra	in-Pha	se II					
Date of Original ILA				04/08/201	0	Construc	tion ILA	40
Date of Most Recent Sup	plement to IL	A		11/13/201	4	Amount		\$0
Description: Phase IIB inconstruction funding in inte								in Hinson St.
Contract Manager: Micha Phone Number: 229-6734		Cons	truction Mo	r: GC Wall	lace		Contracto	or: Tand
Interlocal Agreement	Construction (Construction Mgmt		Env	ironment	al Otl	her
Amount	\$0		\$0		\$0		\$0	
Scheduled Completion	Project Funded		Bids Open		Cor	st Start	Co	nst End
Dates	04/08/2010		11/29/2011		04/	23/2012	04/	13/2013
Bid Amount	\$6,430,467							
Delay or Problem Areas								
Work Completed During issued July 8, 2013. Project		er: Pro	oject walk-th	rough was	held	in June 20	13. Substar	ncial completion
Work to be Completed D	uring Next Qua	arter:						

PROJECT STATUS REPORT

Entity	City of Las	s Vegas			Date Prepa	red	05/24/2017		
Project Title:	Oakey -	Meadows Storm	Drain		Review Per	riod From	02/01/	/2017	
					Review Per	riod To	04/30/	/2017	
Contract Numbers		Design	LAS05E03						
Contract N	ımbers	Construction	LAS05I08	LAS05J10	LAS05K15				
Total ILA Am	ount (De	sign and Cons	truction All	Phases)	\$52,940,846				

CONSTRUCTION				Contra	act	Number			LAS05K15
Project Name: Oakey-Me	adows Storm Dra	ain, Phas	se III						
Date of Original ILA				02/12/201	5	Construc	tion IL	A	t24 061 22
Date of Most Recent Su	pplement to IL	A				Amount			\$24,961,22
Description: Construction mile of strom drain improve							d Sahara	a. Inclu	des about 1-
Contract Manager: Micha P.E. Phone Number: 229 - 67		Consti	ruction M	jr: GC Wal	aœ		Contra Valley	actor:	Meadow
Interlocal Agreement	Construction	Construction C		truction Mgmt E		/ironment	al	Other	
Amount	\$23,811,221				\$0			\$0	
Scheduled Completion	Project Funded		Bids Open		Co	nst Start	Const		End
Dates	02/12/2015			03		30/2015	03/20		2016
Bid Amount	\$28,949,714								
Delay or Problem Areas	/Resolution:								
Work Completed During Substantial completion Mare									
Work to be Completed I	During Next Qu	iarter: (Complete ti	ne Close Ou	ıt pr	ocess.			

PROJECT STATUS REPORT

Entity C	ity of Las	Vegas			Date Prepa	red	05/24/2017	
Project Title:	Freeway	Channel-Washing	ton, MLK to R	ancho Drive	Review Per	iod From	02/01/2	2017
					Review Per	iod To	04/30/2	2017
Combined No.		Design	LAS14C11					
Contract Nu	mpers	Construction	LAS14D14					
Total ILA Amo	ount (De	sign and Cons	ruction All P	hases)	\$12,403,853			

DESIGN			Contract	Number		LAS14C11
Description: Design propo Washington Avenue and To						in
Date of Original ILA	nopan Lane Dec	ween Marun Lui	07/14/2011			T
Date of Most Recent Su	pplement to II	A	05/21/2015	Design ILA A	mount	\$998,510
Contract Manager: Rand Phone Number: 229-2186	y McConnel	Entity: City of		Consultar	nt: Atkins	· · · · · · · · · · · · · · · · · · ·
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$988,510	\$5,000	\$5,000	\$0	\$0
Percent Complete	0%	100%	0%	0%	0%	0%
Scheduled Completion		06/22/2016	02/15/2013	02/15/2013		

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Design complete. Received additional funding from CCRFCD Board in August 2015. Bid opening was November 17, 2016.

Work to be Completed During Next Quarter: Design complete.

CONSTRUCTION			C	ontra	ct Number	•		LAS14D14
Project Name: Freeway (Channel-Washingt	ton, ML	K to Rancho Drive					
Date of Original ILA			02/13	3/201	4 Consti	uction	ILA	444 405 24
Date of Most Recent Su	pplement to IL	A	02/09	/201	7 Amou	nt		\$11,405,343
Description: Construction Washington Avenue and To								n facilities in
Contract Manager: Rand P.E. Phone Number: 229-679		Cons	truction Mgr: HD	OR		Con	tractor:	Tand Inc.
Interlocal Agreement	Construction		Construction M	gmt	Environme	ntal	Othe	r
Amount	\$10,500,343		\$905,000		\$0		\$0	
Scheduled Completion	Project Funde	ed	Bids Open		Const Star	t	Cons	t End
Dates	02/13/2014		11/17/2016		06/20/2017		11/08	/2017
Bid Amount	\$10,032,339							
Delay or Problem Areas	/Resolution:							

Work Completed During Current Quarter: Design complete. Re-Bid project to include additional Traffic Markings and pavement slurry. Bid opening was held November 17, 2016 with Tand the apparent low bidder at \$10,032,339. Material Notice to Proceed issued March 20, 2017.

Work to be Completed During Next Quarter: Construction scheduled to begin in mid June 2017.

PROJECT STATUS REPORT

Entity	City of Las	Vegas			Date Prepa	red	05/24/2017	
Project Title	oject Title: Rancho System - Beltway to Elkhorn					iod From	02/0	1/2017
					Review Per	riod To	04/3	0/2017
Contract Numbers		Design	LAS16J09					
Contract N	umbers	Construction	LAS16N13					
Total ILA Am	nount (De	sign and Cons	truction All Phases)		\$10,497,617			

DESIGN			Contract	Number		LAS16J09
Description: Design the property Apache Road north of the C				ith associated co	llection fac	ilities in For
Date of Original ILA			12/10/2009	Decies TI A A		±062.076
Date of Most Recent Su	plement to I	LA	04/14/2016	Design ILA A	mount	\$962,076
Contract Manager: Rand Phone Number: 229-2180		Entity: City	of Las Vegas	Consultar	nt: LBG	
	Predesign	Design	Environmental	Right-of- Way	LOMR	Othe
ILA Amount	\$0	\$960,076	\$1,000	\$1,000	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		09/19/2013	02/15/2013	02/15/2013		
Delay or Problem Areas Work Completed During						

CONSTRUCTION			C	ontra	ct	Number			LAS16N13
Project Name: Rancho Sy	ystem - Beltway t	o Elkh	orn Road						
Date of Original ILA			07/11	/2013	3	Construc	tion IL	A	40 F3F F41
Date of Most Recent Su	pplement to IL	A	11/10)/201	6	Amount			\$9,535,541
Description: Construction facilities in Fort Apache nor					m ir	mprovemen	ts with	associa	ted collection
Contract Manager: Rand P.E. Phone Number: 229-218		Cons	struction Mgr: At	kins			Contr Valley	actor:	Meadow
Interlocal Agreement	Construction		Construction Mgmt		Env	vironment	al	Other	
Amount	\$8,542,522		\$993,019		\$0			\$0	
Scheduled Completion	Project Funde	ed	Bids Open		Co	nst Start	t Cons		End
Dates	07/11/2013		04/17/2014		08/	11/2014		07/30/	2015
Bid Amount	\$7,765,929								
Work Completed During 2015. City to continue the	Current Quart		ontractor has comp	leted	Ϲ	struction. V	Valk thro	ough he	eld July 14,

PROJECT STATUS REPORT

Entity	City of Las	s Vegas			Date Prep	ared	05/2	4/2017
Project Title	: Rancho I	Road System - El	chorn, Ft Apac	he to Grand	Review P	eriod From	02/0	1/2017
Canyon					Review P	eriod To	04/3	0/2017
Combined N		Design	LAS16L11					
Contract N	umpers	Construction	LAS16013					
Total ILA An	nount (De	esign and Cons	truction All P	hases)	\$2,758,400			

DESIGN			Contract	Number		LAS16L11
Description: Design for the Elkhorn Road west of Fort A				with associated	collection f	acilities withi
Date of Original ILA			07/14/2011	Docina VI A A		±400 000
Date of Most Recent Su	pplement to I	LA	06/11/2015	Design ILA A	mount	\$400,000
Contract Manager: Rand Phone Number: 229-2186		Entity: City	of Las Vegas	Consultar		
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$390,000	\$5,000	\$5,000	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		03/18/2014	11/06/2012	02/14/2013		

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant completed plans. Bid opening was held April 29, 2015. Material NTP issued 7/30/2015.

Work to be Completed During Next Quarter: Design complete.

CONSTRUCTION			Co	ontra	ct Number		LAS16013
Project Name: Rancho Re	d System-Elkhorn	, Fort	Apache to Grand Ca	anyor	1		
Date of Original ILA			12/12/	/2013	Construc	tion ILA	\$2,358,400
Date of Most Recent Su	pplement to IL	A	01/12/	01/12/2017 Amount			\$2,330,400
Description: Construction within Elkhorn Road west of					ements with a	ssociated	d collection facilities
Contract Manager: Rand P.E. Phone Number: 229-218		Cons	truction Mgr: Atk	ins		Contra	ector: Tand
Interlocal Agreement	Construction		Construction Mg	gmt	Environment	al	Other
Amount	\$2,204,100		\$154,300		\$0		\$0
Scheduled Completion	Project Funde	d	Bids Open		Const Start		Const End
Dates	12/12/2013		04/29/2015		09/15/2015		02/26/2016
Bid Amount	\$0						
Delay or Problem Areas	/Resolution:						

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Contractor has completed the project construction. Project walk through was held March 8, 2016. Contractor completed punch list items. City to continue the Close Out process.

Work to be Completed During Next Quarter: Complete the Close Out process.

PROJECT STATUS REPORT

Entity	City of La	s Vegas			Date Prep	ared	05/2	24/2017
Project Titl	e: Rancho I	Road System - El	khorn, Grand	Canyon to	Review Pe	eriod From	02/0	1/2017
Hualapai					Review Pe	eriod To	04/3	30/2017
Comband	Numbana	Design	LAS16P15					
Contract	Numbers	Construction		Lange and				
Total ILA A	mount (De	esign and Cons	truction All F	Phases)	\$269,752			

DESIGN			Contra	ct Number		LAS16P15	
Description: Design of RC	HB0295 that inc	dudes a 7'x6' RC	CB and associated	collection facilities	s within El	khorn Road.	
Date of Original ILA			07/09/2015	Decien TI A		\$269,752	
Date of Most Recent Su	pplement to I	LA	10/13/2016	Design ILA	Amount	\$209,752	
Contract Manager: Lorrie Phone Number: 229-673		d Entity: City of Las Vegas Consultant: Stantec					
	Predesign	Design	Environmenta	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$265,752	\$2,000	\$2,000	\$0	\$0	
Percent Complete	0%	10%	0%	0%	0%	0%	
Scheduled Completion		11/21/2017	08/01/2017	08/01/2017			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant held kick-off meeting and began design toward 30% submittal..

Work to be Completed During Next Quarter: Continue the design process.

PROJECT STATUS REPORT

Entity	City of La	s Vegas			Date Prepa	ared	05/24	/2017
Project Ti	tle: Brent Dr	ainage System-Fl	oyd Lamb Park	to Durango	Review Pe	riod From	02/01	/2017
Drive					Review Pe	riod To	04/30)/2017
Contra	. Normalisana	Design	LAS22S13					
Contrac	t Numbers	Construction	LAS22T15					-
Total ILA	Amount (De	esign and Cons	truction All Pi	nases)	\$5,434,065			

DESIGN			Contract	Contract Number				
Description: Design the pr Drive east to the existing de		RCB storm drain	facility with assoc	iated collection f	acilities fro	m Durango		
Date of Original ILA			07/11/2013	Design VIA		*E33.36E		
Date of Most Recent Sup	plement to I	LA	12/12/2013	Design ILA	Amount	\$533,365		
Contract Manager: Phone Number:		Entity: City o	Entity: City of Las Vegas		Consultant:			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other		
ILA Amount	\$0	\$530,365	\$2,000	\$1,000	\$0	\$0		
Percent Complete	0%	100%	80%	0%	0%	0%		
Scheduled Completion		09/15/2016	07/15/2014					

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: City and RFCD reviewed the 99% submittal for consultant to continue progressing toward the next design submittal. Design 100% complete. Bid scheduled for December 8, 2016.

Work to be Completed During Next Quarter: Design Complete

CONSTRUCTION				Contract Number					LAS22T15
Project Name: Brent Drai	nage System - Flo	oyd L	amb Park to Dur	ango Dr	ive	-			
Date of Original ILA			08	/13/201	5	Construct	tion IL	A	±4.000 700
Date of Most Recent Su	Most Recent Supplement to ILA 02/09/2017 Amount					\$4,900,700			
Description: Construction into the existing Detention I					ape	zoidal chann	el from	Duran	go Drive east
Contract Manager: Denn Phone Number: 229-601		Con	struction Mgr:	CLV			Contra Valley	actor:	Meadow
Interlocal Agreement	Construction		Construction	Mgmt	En	vironment	al	Other	
Amount	\$4,600,000		\$300,700		\$0			\$0	
Scheduled Completion	Project Funde	d	Bids Open		Co	nst Start		Const	End
Dates	08/13/2015		12/19/2016		04,	/17/2017		11/22	2017
Bid Amount	\$0					111			

Work Completed During Current Quarter: Bid opening was held December 19, 2016. The apparent low responsive bidder is Meadow Valley at \$4,393,232. Additional funds requested for the February Board. Once award of bid complete, will schedule start of construction, estimated in June 2017.

Work to be Completed During Next Quarter: Begin construction after award of Bid.

PROJECT STATUS REPORT

Entity C	ity of Las	Vegas		Date Prepa	red	05/24/2017		
Project Title:	Centenni	al Pkwy Channel	West-CC 215,	Pioneer Way to	Review Pe	riod From	02/0	1/2017
US95					Review Pe	riod To	04/3	0/2017
Combined No.		Design	LAS23E13					
Contract Nu	mbers	Construction	LAS23F14					
Total ILA Amo	ount (De	sign and Cons	truction All F	hases)	\$14,970,687			

DESIGN			Contract	Number		LAS23E13		
Description: Design the provided within the future CC215 and			7' RCBs storm drai	n system and as	sociated co	llection syster		
Date of Original ILA			07/11/2013	Design VIA	\ maunt	£1 070 697		
Date of Most Recent Su	plement to I	LA	11/13/2014	Design ILA	amount	\$1,070,687		
Contract Manager: Rand Phone Number: 229-2180				Consultant: GCW				
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other		
ILA Amount	\$0	\$1,063,687	\$5,000	\$2,000	\$0	\$0		
Percent Complete	0%	100%	0%	0%	0%	0%		
Scheduled Completion		01/15/2015						

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant has completed the design process. Combined NDOT and CCRFCD project had bid opening on April 9, 2015 with Las Vegas Paving the apparent low bidder. Began construction in the October 2015.

Work to be Completed During Next Quarter: Design complete.

ONSTRUCTION				Contract Number				
Parkway Channe	el West-CC215, Pi	oneer Way t	o US95					
		11/13/201	4 Construc	tion ILA	#13 000 000			
plement to IL	A	09/10/201	5 Amount	\$13,900,000				
		7' RCBs storr	n drain system	and associa	ted collection			
y McConnell, 36	Construction N	lgr: NDOT		Contracto Paving	or: Las Vegas			
Construction	Construc	tion Mgmt	Environment	al Oti	ner			
\$12,800,000	\$1,100,00	0	\$0	\$0				
Project Funde	d Bids Ope	n	Const Start	Co	nst End			
11/13/2014	04/09/20:	15	10/12/2015	07/	/09/2017			
\$0								
	priement to IL. proposed 22' x 215 and US95 in McConnell, GConstruction \$12,800,000 Project Funde	pplement to ILA proposed 22' x 7' and dual 15' x 215 and US95 interchange limits. McConnell, Construction No. \$12,800,000 \$1,100,00 Project Funded Bids Ope 11/13/2014 04/09/201	11/13/201 11/13/201 09/10/201 12/13/201 09/10/201 15/14/201 09/10/201 15/14/2014 09/10/201 11/13/2014 01/13/2015 11/13/2014 11/13/2015	Deplement to ILA 09/10/2015 Amount	11/13/2014 Construction ILA			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant has completed the design process. Bid opening by NDOT on April 9, 2015 with Las Vegas Paving the apparent low bidder. Began construction in October 2015. Contractor started working on utility and Kern River Gas protection and installed RCB's past Kern River Gas line. Main line RCB is about 100% complete.

Work to be Completed During Next Quarter: Continue with Interchange improvements. RCB is complete, minor work on associated facilities.

PROJECT STATUS REPORT

Entity Ci	ity of Las	Vegas			Date Prep	ared	05/2	24/2017
Project Title: (Centennia	al Parkway Chan	nel West-US95	, CC215 to	Review Po	eriod From	02/0	1/2017
Durango					Review Po	eriod To	04/3	30/2017
Combract Nov		Design	LAS23G15					
Contract Nui	mbers	Construction	LAS23I17					
Total ILA Amo	unt (De	sign and Const	ruction All F	Phases)	\$29,974,834			

DESIGN			Contract	Number		LAS23G15	
Description: Design of CN collection facilities.	WE0325 and CN	1950000 thru 0	068 including tripl	e 8'x6' and 22'x7'	' RCB's with	n associated	
Date of Original ILA			07/09/2015	Dociem TI A A	mount	¢1 261 471	
Date of Most Recent Sup	Design ILA A	mount	\$1,261,471				
Contract Manager: Randy Phone Number: 229-2186		Entity: City of	of Las Vegas	Consultar	ill		
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$1,253,471	\$4,000	\$4,000	\$0	\$0	
Percent Complete	0%	90%	0%	0%	0%	0%	
Scheduled Completion		03/22/2017	01/27/2017	01/27/2017			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant working on project design. Began the design process and looking at fast tracking crossings at the Durango Interchange to facilitate US-95 construction by NDOT. Submitted 90% submittal.

Work to be Completed During Next Quarter: Continue the design process toward the 100% submittal.

CONSTRUCTION				Contra	act Number			LAS23I17
Project Name: Cent Pkwy	Chnl West-US95	5, CC21	.5 to Grand	Teton, Kyle	Cyn			
Date of Original ILA				03/09/201	7 Construc	tion I	LA	\$28,713,363
Date of Most Recent Supplement to ILA Description: Construction of CN950000 thru 0167 that inc				05/18/201	7 Amount			\$28,713,363
collection facilities. Construction facilities. Construction facilities.	ction also include							
Contract Manager: Rand Phone Number: 702-229		Const	truction M	gr: TBD		Cont	ractor:	ΓBD
Interlocal Agreement	Construction		Construct	ion Mgmt	Environment	nmental		
Amount	\$26,903,054		\$1,810,309		\$0		\$0	
Scheduled Completion	Project Funde	ed	Bids Open		Const Start		Const End	
Dates	03/09/2017		09/28/2017	7				
Bid Amount	\$0							
Delay or Broblem Areas	/Pocolution:							

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: facility design is at 90% level with final plans to be incorporated into NDOT US-95 improvements.

Work to be Completed During Next Quarter:

PROJECT STATUS REPORT

Entity	ity of Las	Vegas		Date Prepai	red	05/24/2017		
Project Title:	Review Peri	od From	02/01	/2017				
Grand Teton					Review Peri	iod To	04/30	/2017
Combract No.		Design	LAS23H15					
Contract Numbers	Construction	LAS23I17						
Total ILA Ame	\$29,698,594							

DESIGN			Contract	Contract Number			
Description: Design of CN collection facilities.	950102 thru 01	67 that includes				LAS23H15 sociated	
Date of Original ILA	Date of Original ILA					+005 224	
Date of Most Recent Sup	06/09/2016	Design ILA A	mount	\$985,231			
Contract Manager: Randy McConnell Phone Number: 229-2186		Entity: City of Las Vegas		Consultant: LBG			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$981,231	\$2,000	\$2,000	\$0	\$0	
Percent Complete	0%	90%	0%	0%	0%	0%	
Scheduled Completion		03/22/2017	01/27/2017	01/27/2017			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant has submitted 90% submittal.

Work to be Completed During Next Quarter: Continue the design process working toward the 100% submittal.

CONSTRUCTION						LAS23I17
Project Name: Cent Pkw	y Chnl West-US9	5, CC2	215 to Grand Teton, Kyle	: Cyn		
Date of Original ILA			03/09/201	7 Construc	tion ILA	¢20.712.262
Date of Most Recent Su	pplement to IL	A	05/18/201	7 Amount		\$28,713,363
Description: Construction collection facilities. Constru Interchange.						
Contract Manager: Pandy McConnell			struction Mgr: TBD		Contrac	ctor: TBD
Interlocal Agreement	Construction		Construction Mgmt	Environment	ai C	Other
Amount	\$26,903,054		\$1,810,309	\$0	\$	0
Scheduled Completion	Project Funde	ed	Bids Open	Const Start	C	Const End
Dates	03/09/2017		09/28/2017			
Bid Amount	\$0					
Salara Santifera A	15					

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: facility design is at 90% level with final plans to be incorporated into NDOT US-95 improvements.

Work to be Completed During Next Quarter:

PROJECT STATUS REPORT

Entity Cit	of Las Vegas		-	Date Prepared		05/24/2017	
Project Title: G	owan North-Buffalo	Review Period Fron		02/01/2017			
				Review Period To		04/30/2017	
Combract Num	Design	LAS24H13					
Contract Numbers	Construc	tion					
Total ILA Amou	nt (Design and C	\$992,000					

DESIGN			Contract	Number		LAS24H13	
Description: Design the pr Drive between Lone Mounta			system and assoc	iated collection s	ystem with	in Buffalo	
Date of Original ILA	07/11/2013	Design TI A A		±002.000			
Date of Most Recent Sup	07/14/2016	Design ILA A	mount	\$992,000			
Contract Manager: Anita Marquez Phone Number: 229-6264		Entity: City of Las Vegas		Consultant: PB			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$960,000	\$2,000	\$30,000	\$0	\$0	
Percent Complete	0%	90%	0%	0%	0%	0%	
Scheduled Completion		03/15/2017	10/17/2016	10/17/2016			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant continued the design process and provided the 90% submittal.

Work to be Completed During Next Quarter: Consultant to continue the design process after the 90% review by the City, CCPW and CCRFCD. Submit 100% plans.

PROJECT STATUS REPORT

Entity	City of La	s Vegas		Date Prepared	05/24/2017
Project Title: Gowan Box Canyon - Lone Mountain Road				Review Period From	n 02/01/2017
				Review Period To	04/30/2017
Comband	at Numbers	Design	LAS24I15		
Contract Numbers	Construction	n			
Total ILA	Amount (De	esign and Con	\$704,000		

DESIGN			Contract	Contract Number			
Description: Design of GO	BX facilities and	associated coll	ection system.				
Date of Original ILA			07/09/2015	Design VI & A			
Date of Most Recent Sup	plement to II	LA	01/14/2016	Design ILA Amount		\$704,000	
Contract Manager: Phone Number:	Entity: City	Entity: City of Las Vegas		Consultant:			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$700,000	\$2,000	\$2,000	\$0	\$0	
Percent Complete	0%	30%	0%	0%	0%	0%	
Scheduled Completion		09/15/2017	06/15/2017	06/15/2017			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant began the design process. Submittal of 30% plans due in November 2016.

Work to be Completed During Next Quarter: Continue the design process after 30% submittal and City and CCRFCD review. Work toward the 70% submittal.

PROJECT STATUS REPORT

Entity C	ity of Las	Vegas				ared	05/24/2017	
Project Title: Gowan North - El Capitan Branch, Lone Mountain to Ann						riod From	02/01/2017	
Road					Review Pe	riod To	04/3	30/2017
Combine at No		Design	LAS24J15					
Contract Numbers	Construction							
Total ILA Amount (Design and Construction All Phases) \$								

DESIGN			Contract	Number		LAS24J15
Description: Design of GO in El Capitan between Lone			s 10'x7' and 10'x8'	RCB's and assoc	iated collec	tion facilities
Date of Original ILA			07/09/2015	07/09/2015 Design ILA Amount		\$785,478
Date of Most Recent Sup	07/14/2016	Design ILA A	illount	\$765,476		
Contract Manager: Phone Number:	Entity: City of Las Vegas		Consultant:			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$781,478	\$2,000	\$2,000	\$0	\$0
Percent Complete	0%	70%	0%	0%	0%	0%
Scheduled Completion		08/31/2017	05/31/2017	05/31/2017		

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant began the design process. Submitted the 30% plans in October 2016. 70% submittal was in February 2017.

Work to be Completed During Next Quarter: Continue the design process and work toward 90% submittal incorporating the City and CCRFCD comments.

PROJECT STATUS REPORT

Entity	City of Las	s Vegas		Date Prepared	05/24/2017 02/01/2017	
Project T	itle: Cedar A	venue Channel	Improvements	Review Period From		
				Review Period To	04/30/2017	
Combus	at Normaliana	Design	LAS25B13			
Contract Numbers	Construction	n				
Total ILA	Amount (De	esign and Con	\$831,489			

DESIGN			Contract	Number		LAS25B13	
Description: Design the pr facilities within Pecos Ave. a			storm drain system	facilities with a	ssociated o	ollection	
Date of Original ILA			07/11/2013	Decise VA A		4021 400	
Date of Most Recent Su	plement to I	LA	12/12/2013	Design ILA A	mount	\$831,489	
Contract Manager: Anita Marquez Phone Number: 229-6264		Entity: City of Las Vegas		Consultant: Atkins			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$827,489	\$2,000	\$2,000	\$0	\$0	
Percent Complete	0%	70%	0%	0%	0%	0%	
Scheduled Completion		08/12/2017	05/10/2017	05/10/2017			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant has started the design process and has submitted the 70% pre-design report and the overall system is on hold pending completion of the downstream facility.

Work to be Completed During Next Quarter: Consultant on hold pending completion of the downstream facility.

PROJECT STATUS REPORT

Entity	City of Las	s Vegas			Date Prepa	ared	05/24/2017		
Project Title:	Flamingo	-Boulder HWY N	-Boulder HWY	Sahara to	Review Pe	riod From	02/01/2	017	
Charleston					Review Pe	riod To	04/30/2	017	
Contract Numbers	umbara	Design	LAS29B15						
Contract N	umpers	Construction							
Total ILA Am	ount (De	esign and Cons	truction All P	hases)	\$1,226,003				

DESIGN			Contract	Number		LAS29B15	
Description: Design the pr Hwy. between Sahara Ave.			ain system with as	sociated collectio	n system w	ithin Boulder	
Date of Original ILA			12/10/2015	Decien TI A A	maunt	41 226 002	
Date of Most Recent Sup	plement to I	LA		Design ILA A	mount	\$1,226,003	
Contract Manager: Anita Marquez Phone Number: 229-6264		Entity: City of Las Vegas		Consultant: Atkins			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$1,218,003	\$4,000	\$4,000	\$0	\$0	
Percent Complete	0%	40%	0%	0%	0%	0%	
Scheduled Completion		10/15/2017	07/15/2017	07/15/2017			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant began the design process. Submittal of 30% plans was in early November 2016.

Work to be Completed During Next Quarter: Continue the design process and work toward the 70% submittal.

PROJECT STATUS REPORT

Entity	City of Las	Vegas			Date Prepa	red	05/24/2017	
Project Title:	Flamingo	-Bldr Hwy, N Ch	arleston-Maryl	and Pkwy System	Review Per	riod From	02/01/20)17
					Review Per	riod To	04/30/20	017
Combonet No		Design	LAS29C16					
Contract Numbers		Construction						
Total ILA Am	ount (De	sign and Cons	truction All P	hases)	\$1,215,549			

DESIGN			Contract	Number		LAS29C16
Description: Design of the (dual 10'x8' to 10'x8') and a			ton-Maryland Pkwy	System to inclu	de RCB's of	f various size
Date of Original ILA			09/08/2016	Docion II & A	mount	£1 215 540
Date of Most Recent Su	pplement to I	LA		Design ILA A	mount	\$1,215,549
Contract Manager: Anita Marquez Phone Number: 229-6264		Entity: City of Las Vegas		Consultar		
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$1,205,549	\$5,000	\$5,000	\$0	\$0
Percent Complete	0%	0%	0%	0%	0%	0%
Scheduled Completion						
Delay or Problem Areas Work Completed During						

PROJECT STATUS REPORT

Entity	City of La	s Vegas		Dat	Date Prepared			
Project Tit	le: Gowan-	Alexander Rd.,	Rancho Drive to Decatur	Re	view Period Fro	m 02/01/2017		
Boulevard				Re	view Period To	04/30/2017		
On the Atlanta	Design	LAS30A13						
Contract Numbers Cor		Construction	on					
Total ILA	mount (De	esign and Co	nstruction All Phases)	\$711	,938			

DESIGN			Contract	Number		LAS30A13	
Description: Design the pr Alexander Road between Ra				with associated of	collection sy	/stem within	
Date of Original ILA			07/11/2013	Design ILA	mount	\$711,938	
Date of Most Recent Sup	plement to II	LA		Design ILA	inount	\$/11,930	
Contract Manager: Oh-Sang Kwon Phone Number: 229-1815 Entity: Ci			of Las Vegas	Consultant: Stanley			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$706,938	\$2,000	\$3,000	\$0	\$0	
Percent Complete	0%	70%	0%	0%	0%	0%	
Scheduled Completion		06/10/2015					

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Consultant continuing with the design process. 70% submitted for City and RFCD review. Design put on hold at the 70% level.

Work to be Completed During Next Quarter: Design on hold pending construction of downstream facilities.

Consultant to resume the design process toward the next design submittal after project schedule is reopened.

PROJECT STATUS REPORT

Entity	City of La	s Vegas		Date Prepared	05/24/2017
Project Ti	itle: Lexingto	n Street Storm D	Review Period From	02/01/2017	
				Review Period To	04/30/2017
Combine	A Namelana	Design	LLD08A11		
Contract Numbers	Construction	LLD08A11			
Total ILA	Amount (De	esign and Cons	truction All Phases)	\$1,000,000	

DESIGN			Contract	Number		LLD08A11		
Description: Lexington Str approximately 1,300 feet of inlets within an older histori	42-inch, 300 fe	et of 36-inch ar						
Date of Original ILA			07/14/2011	Danies VA		+0		
Date of Most Recent Sup	plement to I	LA	08/13/2015	Design ILA Amount \$0				
Contract Manager: Phone Number:		Entity: City of Las Vegas		Consulta				
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other		
ILA Amount	\$0	\$0	\$0	\$0	\$0	\$0		
Percent Complete	0%	100%	0%	0%	0%	0%		
Scheduled Completion		08/15/2015						

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Bid opening was held February 10, 2016 with Harber Co. the apparent low bidder at \$1,309,521.25. Award of Bid sent to CCRFCD in June 2016. NTP issued June 6, 2016 and construction rapidly progressing with storm drain and utility work. Work complete on September 9, 2016. Project walk through was held on September 14, 2016. Contractor completed minor punch list items and begin the close out process.

Work to be Completed During Next Quarter: Continue the close out process.

CONSTRUCTION			C	ontra	ct Number			LLD08A11
Project Name: Lexington	Street Storm Dra	ain						
Date of Original ILA			07/14	4/201	1 Construc	tion IL	A	±1 000 000
Date of Most Recent Supplement to ILA 08/13/2015 Amount Description: Lexington Street Storm Drain - Local drainage project to alleviate flooding. Construction					\$1,000,000			
approximately 1,300 feet or inlets within an older histor Contract Manager: Gina	f 42-inch, 300 fee ic neighborhood. Venglass	et of 3		t of 2	4-inch storm d	Contr	h associa	ated collection
Phone Number: 229-679 Interlocal Agreement	Construction		Construction M	. '			Other	
Amount	\$1,000,000		\$0	9	\$0		\$0	
Scheduled Completion	Project Funde	ed	Bids Open		Const Start		Const	End
Dates 07/14/2011		02/10/2016			06/06/2016		12/28/2016	
Bid Amount	\$1,309,521							
Delay or Problem Areas	/Resolution:							

Work Completed During Current Quarter: Bid opening was held February 10, 2016 with Harber Co. the apparent low bidder at \$1,309,521.25. Award of Bid sent to CCRFCD in June 2016. NTP issued June 6, 2016 and construction rapidly progressing with storm drain and utility work. Work complete on September 9, 2016. Project walk through was held on September 14, 2016. Contractor completed minor punch list items and begin the close out process.

Work to be Completed During Next Quarter: Continue the close out process.

PROJECT STATUS REPORT

Entity	City of Las	s Vegas		Date Prepared	05/24/2017	
Project Title	e: Buckskin	Avenue Storm D	Drain	Review Period From		
				Review Period To	04/30/2017	
Contract Numbers	Marmala awa	Design	LLD10B13			
	Construction	LLD10B13				
Total ILA A	mount (De	esign and Cons	\$1,200,000			

DESIGN			Contract	Number		LLD10B13		
Description: Buckskin Ave approximately 1,500 feet of	nue Storm Drain 42-inch storm	n - Local drain drain with asso	age project to allevia ociated collection inle	ate flooding. Co	nstruction to ler historic	o include neighborhood		
Date of Original ILA			07/11/2013	Decien TIA	40			
Date of Most Recent Su	LA	12/08/2016	Design ILA	\$0				
Contract Manager: Phone Number:		Entity: City	Entity: City of Las Vegas		Consultant:			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other		
ILA Amount	\$0	\$0	\$0	\$0	\$0	\$0		
Percent Complete	0%	89%	0%	0%	0%	0%		
Scheduled Completion								

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Working on system design. 90% submitted for review. Design incorporated pothole data and utility conflicts as the design moved forward. Prepared system hydraulic calcs. Submitted request for additional funding to RFCD for December Board action. Continue the design process based upon 90% review comments and complete the design process to allow for bidding package.

Work to be Completed During Next Quarter: Bid process schedule has bid opening mid September 2017.

CONSTRUCTION				Contra	act	Number			LLD10B13
Project Name: Buckskin	Avenue Storm Dr	ain							
Date of Original ILA			07/11/2013		3	Construc	tion IL	A	¢1 200 000
Date of Most Recent Supplement to IL				12/08/2016		Amount			\$1,200,000
Description: Buckskin Ave approximately 1,500 feet of	enue Storm Drain f 42-inch storm o	r- Loc Irain v	cal drainage provided associated	oject to all collection	evia inle	te flooding. ets within an	Constru older h	uction to	o include neighborhood
Contract Manager: Oh-Sang Kwon			struction Mg	MINT NOT VER SELECTED			Contra	ractor: Not yet	
Interlocal Agreement	Construction		Constructi	on Mgmt	En	vironment	tal Other		
Amount	\$1,200,000		\$0		\$0			\$0	
Scheduled Completion	Project Funde	ed	Bids Open		Co	nst Start		Const	End
Dates	07/11/2013		09/14/2017		11/16/2017			06/19/2018	
Bid Amount	\$0								

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Working on system design. 90% submitted for review. Design incorporated pothole data and utility conflicts as the design moved forward. Prepared system hydraulic calcs. Submitted request for additional funding to RFCD for December Board action. Continue the design process based upon 90% review comments and complete the design process to allow for bidding package.

Work to be Completed During Next Quarter: Bid process schedule has bid opening mid September 2017.

PROJECT STATUS REPORT

Entity	City of Me	squite		Date Prepared	05/31/2017
Project Ti	tle: Virgin Ri	ver Flood Wall		Review Period Fro	m 02/01/2017
				Review Period To	04/30/2017
Combus	Mumbana	Design	MES04A15		
Contrac	t Numbers	Construction			
Total ILA	Amount (De	esign and Cons	struction All Phases)	\$517,000	

DESIGN			Co	Contract Number			
Description: Virgin River F floodwall / levee with below construction activities.							
Date of Original ILA					Decian II A	l mount	¢E17.000
Date of Most Recent Su	07/14/	2016	Design ILA	\$517,000			
Contract Manager: Travise Phone Number: 702-346-	Entity: City of Mesquite			Consultant: Horrocks Engine			
	Predesign	Design	Environm	ental	Right-of- Way	LOMR	Other
ILA Amount	\$208,278	\$291,722	\$15,00	00	\$2,000	\$0	\$0
Percent Complete	99%	0%	0%		0%	0%	0%
Scheduled Completion	06/30/2017						

Delay or Problem Areas/Resolution: City of Mesquite requested Horrocks Engineers review the preliminary design for inside the levee drainage and how to account for it.

Work Completed During Current Quarter: Horrocks Engineers working on drainage that would be captured inside the levee and how to account for it.

Work to be Completed During Next Quarter: Horrocks Engineers will finalize the report and begin working on the Construction plans for the floodwall.

PROJECT STATUS REPORT

Entity (City of North Las Vegas			Date Prepared	05/31/2017
Project Title:	Oak Islan	nd Drive Storm D	Review Period Fron	02/01/2017	
				Review Period To	04/30/2017
C		Design	NLD14A15		
Contract Numbers		Construction	NLD14A15		
Total ILA Amo	ount (De	sign and Cons	truction All Phases)	\$497,750	

DESIGN				Contract		NLD14A15	
Description: The Project a hazard area along Oak Islan 7'X4' RCB along with the ass	d Drive. Constru	uction includes	s removal	of 1200' of			
Date of Original ILA				09/2015	Danism VIA	America	40
Date of Most Recent Sup	LA	06/	09/2016	Design ILA Amount		\$0	
Contract Manager: Phone Number:	Entity: City of North Las Vegas			Consultant:			
	Predesign	Design	Enviro	nmental	Right-of- Way	LOMR	Othe
ILA Amount	\$0	\$0		\$0	\$0	\$0	\$0
Percent Complete	0%	0%		0%	0%	0%	0%
Scheduled Completion							

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: FEMA has reviewed the application but the project was not selected. Extended RFCD ILA and re-submitted Pre-Disaster Mitigation (PDM) Program grant application for next selection process.

Work to be Completed During Next Quarter: Continue working on FEMA Grant and submit.

CONSTRUCTION			Contract Number				
Project Name: Oak Island	d Drive Storm Dra	in					
Date of Original ILA				07/09/2015 Cor		Construction ILA	
Date of Most Recent Su	pplement to ILA	1	06/09/201	6	Amount		\$497,750
hazard area along Oak Islar 7'X4' RCB along with the as							
		Construction M				Contra	ctor: TBD
Phone Number: 633-193			gr: TBD	En			ctor: TBD
Phone Number: 633-193 Interlocal Agreement	2		gr: TBD	En \$0	vironmenta	ıl (
Phone Number: 633-193 Interlocal Agreement Amount	2 Construction	Construct \$0	gr: TBD ion Mgmt	\$0		ol (Other
Contract Manager: Dan I Phone Number: 633-193 Interlocal Agreement Amount Scheduled Completion Dates	Construction \$497,750	Construct \$0	gr: TBD ion Mgmt	\$0	vironmenta	ol (Other 50

Work Completed During Current Quarter: FEMA has reviewed the application but the project was not selected. Extended RFCD ILA and re-submitted Pre-Disaster Mitigation (PDM) Program grant application for next selection process.

Work to be Completed During Next Quarter: Continue working on FEMA Grant and submit.

PROJECT STATUS REPORT

Entity	City of No	rth Las Vegas		Date Prepared	05/31/2017
Project T	itle: Ann Roa	d Channel East,	Review Period Fron	02/01/2017	
				Review Period To	04/30/2017
	at Manuali and	Design	NLV01G11		
Contract Numbers		Construction	NLV01I14		
Total ILA	Amount (De	esign and Cons	truction All Phases)	\$6,901,656	

DESIGN			Contract	Contract Number				
Description: This Project valso include installing an RF to the north. These facilities cohesive and functioning sys	C facility along of constitute the r	N. 5th Street bo najor trunk line	ounded by Ann Rd. and 1/4 mile exter	to the south ar	nd El Campo (Grande Ave		
Date of Original ILA	08/11/2011			#1 0C2 FF6				
Date of Most Recent Sup	plement to I	LA	03/12/2015	Design ILA	Amount	\$1,063,556		
Contract Manager: Dale I Phone Number: 633-1325		Entity: City	of North Las Vegas	Consulta	nt: CM Work	s		
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other		
ILA Amount	\$0	\$650,000	\$10,000	\$378,556	\$25,000	\$0		
Percent Complete	0%	100%	100%	100%	100%	0%		
Scheduled Completion		03/01/2016	01/31/2012	02/28/2014	07/31/2013	7		

Work Completed During Current Quarter: Reviewed construction submittals, worked on design of additional drainage items. This project will be reported under NLV01I14 for the construction of this project.

Work to be Completed During Next Quarter: The Consultant will answer design related questions and review all construction submittals for the remainder of the project while in the construction phase. This project will be reported under NLV01I14 for the construction of this project.

CONSTRUCTION	Contract	Number	NLV61114
Project Name: Ann Road Channel East, ULVW to Fift	h Street		
Date of Original ILA	03/13/2014	Construction ILA	¢E 939 100
Date of Most Recent Supplement to ILA	06/09/2016	Amount	\$5,838,100
Description: Construction will extend the RFC facility improvements include installation of a RFC facility alon Campo Grande Avenue to the north. These facilities co	g N. 5th Street bounde	ed by Ann Road to the s	outh and El

RFCD to promote a cohesive and fuctioning system to alleviate the flooding currently experienced in the area.

Contract Manager: CMWorks Phone Number: 633-1325		Construction Mgr: Dale Da	Southwest	
Interiocal Agreement	Construction	Construction Mgmt	Environmenta	l Other
Amount	\$5,258,100	\$580,000	\$0	\$0
Scheduled Completion	Project Funde	d Bids Open	Const Start	Const End
Dates	03/13/2014	04/19/2016	09/01/2016	07/31/2017
Bid Amount	\$5,258,058			

Delay or Problem Areas/Resolution:

VVork Completed During Current Quarter: Completed Ann Road and North 5th Street. asphalt concrete and striping.

VVork to be Completed During Next Quarter: Close-out construction contract and any remaining punch list items. Milled rough areas of pavement modified stripes and some signs.

PROJECT STATUS REPORT

Entity C	City of North Las Vegas					Date Prepared		
Project Title:	Las Vega	s Wash - "N" Ch	Review Pe	02/01/2017				
					Review Pe	eriod To	04/30/20	17
Combined No.		Design	NLV01H13					
Contract Nu	Construction NLV01J15							
Total ILA Amo	ount (De	sign and Cons	truction All Ph	ases)	\$3,475,990			

DESIGN			Contract	Number	N	LV01H13
Description: This project of Channel from Cheyenne Ave			12' X 5.5' concrete	channel within	the Las Vegas	s Wash "N"
Date of Original ILA			10/10/2013	Danies VIA		+217.000
Date of Most Recent Su	plement to I	LA	06/09/2016	Design ILA	Amount	\$317,990
Contract Manager: Cliff N Phone Number: 702-633-	Entity: City	of North Las Vegas	Consultant: VTN			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$244,880	\$23,030	\$38,500	\$11,580	\$0
Percent Complete	100%	100%	100%	100%	100%	0%
Scheduled Completion		12/01/2015	07/01/2015	07/01/2015	12/31/2016	5

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: CNLV Council approved a construction contract with Pace Contracting for this project on 2/2/2016.

Work to be Completed During Next Quarter: The design interlocal will stay open for design related administrative work during construction. The construction work will be reported under contract NLV01J15.

CONSTRUCTION				Contract Number					NLV01J15
Project Name: Las Vegas	Wash - "N" Chan	nel, Cl	heyenne to Gowa	in		•			
Date of Original ILA			08/1	13/201	5	Construc	tion IL	A	±2 150 000
Date of Most Recent Su	e of Most Recent Supplement to ILA 01/14/2016 Amount				\$3,158,000				
Description: This project within the Las Vegas Wash	"N" Channel from						12' X !	5.5' con	crete channel
Contract Manager: John Phone Number: 702-277		Cons	truction Mgr: J	uction Mgr: John Fitch			Contractor: Pace		
Interlocal Agreement	Construction		Construction Mgmt		Env	nvironmental		Other	
Amount	\$2,833,000		\$325,000		\$0			\$0	
Scheduled Completion	Project Funde	d	Bids Open		Co	nst Start	Const End		End
Dates	08/13/2015		11/10/2015		03/	01/2016		12/31/	2016
Bid Amount	\$2,832,122								
Delay or Problem Areas	/Resolution:								

Work Completed During Current Quarter: All punch list items complete except contractor needs to glue down the top row of the decorative rock retaining wall

Work to be Completed During Next Quarter: . Finish last punch list item and draft NOC agenda item for Council.

PROJECT STATUS REPORT

Entity	City of North Las Vegas				Date Prep	05/31/2017		
Project Title: Hollywood System, Dunes South DB to Centennial					Review Pe	02/01/2017		
Parkway					Review Pe	riod To	04/30/	2017
Contract Numbers		Design	NLV03E13					
	Construction							
Total ILA Amount (Design and Construction All Phases)				\$2,706,972				

DESIGN	Co	Contract Number					
Description: This work converges Boulevard to Centenri South Detention Basin site.							
Date of Original ILA					Decime VIA A		¢2 706 072
Date of Most Recent Supplement to ILA				2016	Design ILA A	\$2,706,972	
Contract Manager: Tom Phone Number: 633-1227	Entity: City of North Las Vegas			Consultant: Louis Berger Grou			
	Predesign	Design	Environm	ental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$1,580,000	\$10,00	00	\$1,116,972	\$0	\$0
Percent Complete	0%	75%	0%		30%	0%	0%
Scheduled Completion		06/30/2017	06/30/2	017	06/30/2017		

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Environmental coordination with NAFB Program Managers to determine impacts including: air quality analysis, review of Biological Opinion and cultural records. Responded to comments and received additional comments and met with NAFB. Consultant worked on 90% design.

Work to be Completed During Next Quarter: Consultant to complete & submit 90% docs for review and comment, continue environmental coordination subsequent to approval of NAFB easements, prepare & submit request for construction funds.

PROJECT STATUS REPORT

Entity	City of No	rth Las Vegas		Date Prepared	05/31/2017	
Project Title: Range Wash - Ann Branch				Review Period From	02/01/2017	
				Review Period To	04/30/2017	
Contract Numbers	Design	NLV03F17				
	Constructi	on				
Total ILA Amount (Design and Construction All Phases)				\$1,081,889		

DESIGN	Contract	Contract Number				
Description: Design of sto			al Parkway, Mount	Hood, and Ann	Road. Iden	tified in the
MPU as RWAN 0050, RWAN	1 0050, and RW	AN 0000.				
Date of Original ILA			03/09/2017	Dociem VI A	l manuat	£1 001 000
Date of Most Recent Su	plement to I	LA		Design ILA	Amount	\$1,081,889
Contract Manager: Allan Phone Number: 633-2044	Entity: City of North Las Vegas		Consultant:			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$821,889	\$10,000	\$250,000	\$0	\$0
Percent Complete	0%	0%	0%	0%	0%	0%
Scheduled Completion						

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: The interlocal contract for the project was approved by the District Board. An agenda item was prepared to present the interlocal contract to the North Las Vegas City Council for approval.

Work to be Completed During Next Quarter: Present the interlocal contract to the City Council for approval and execute the contract. Select a design consultant from the existing list of qualified design engineers. Negotiate a Professional Services Agreement with the selected design consultant.

PROJECT STATUS REPORT

Entity	City of No	rth Las Vegas	Date Prep	05/31/2017				
Project Title: Hollywood System, Centennial Pkwy-Speedway #2 DB					Review Pe	02/01/2017		
					Review Pe	riod To	04/30/20	17
Contract Numbers	Design	NLV03G17						
	Construction							
Total ILA Amount (Design and Construction All Phases)				\$897,470				

Descriptions This suctes in a	DESIGN Contract						NLV03G17
Description: This project incl Hollywood System from Cente Update as Structures Nos. RWI dikes, energy dissipators, char floodwaters.	ennial Parkway HW 0300, 03	to Speedway 55, 0369, 0410	#2 Detention and 0412. The	Basin i ne imp	identified in the rovements ind	2013 Mast ude pipes, o	er Plan channels,
Date of Original ILA			03/09/20	17	Design ILA Amount		\$897,470
Date of Most Recent Supplement to ILA					Design ILA	imount	\$697,470
Contract Manager: Cliff Mos Phone Number: 702-633-19	Entity: City of North Las Vegas			Consultant:			
	Predesign	Design	Environme	ntal	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$380,345	\$10,000		\$507,125	\$0	\$0
Percent Complete	0%	0%	0%		0%	0%	0%
Scheduled Completion							

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: The interlocal contract for the project was approved by the District Board. An agenda item was prepared to present the interlocal contract to the North Las Vegas City Council for approval.

Work to be Completed During Next Quarter: Present the interlocal contract to the City Council for approval and execute the contract. Select a design consultant from the existing list of qualified design engineers. Negotiate a Professional Services Agreement with the selected design consultant.

PROJECT STATUS REPORT

Entity C	ity of No	rth Las Vegas		Date Prepared	05/31/2017	
Project Title:	Simmons	Street Drainage	Improvemen	ts - Carey to Craig	Review Period From	02/01/2017
					Review Period To	04/30/2017
Combus et No.		Design	NLV04F07			
Contract Numbers	Construction	NLV04H09	NLV04I11	NLV04J14		
Total ILA Amount (Design and Construction All Phases)					\$26,135,671	

DESIGN			Contract	Contract Number NL				
Description: This project in Drainage Improvements - C facilities including pipes, cha appurtenances as may be no	arey to Lone Mo annels dikes, en	ountain Project. ergy dissipators	The basic improve s, channel structure	ments shall cor	sist of flood			
Date of Original ILA	04/12/2007	B VI A A 42		\$2,323,263				
Date of Most Recent Sup	11/10/2016	Design ILA Amount \$2,32						
Contract Manager: Dale Phone Number: 633-1325	Entity: City	of North Las Vegas	Consulta	ada				
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other		
ILA Amount	\$0	\$1,033,263	\$0	\$1,240,000	\$0	\$50,000		
Percent Complete	0%	100%	100%	100%	0%	0%		
Scheduled Completion		08/26/2014	08/01/2007	10/01/2010	08/31/2013			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Extended the CCRFCD Contract to December 31, 2017 with the 7th Supplemental ILC.

Work to be Completed During Next Quarter: Shop drawing review to continue, as well as, coordination and clarifications as construction continues. The design contract will continue to stay open until the construction is completed in order for the consultant to review submittals.

CONSTRUCTION				act Nun	nber		NLV04H09
Project Name: Simmons	Street Drainage In	provements - Go	wan Outfal	1			
Date of Original ILA		•	07/09/200	9 Co	nstructi	on ILA	\$2,280,989
Date of Most Recent Su	pplement to ILA		02/13/201	4 An	nount		\$2,200,909
Street between Craig Road replacement of an existing concrete box sweeps, street	reinforced concrete	box culvert to a	free span b	ridge, d	hannel wi	dening, n	
Contract Manager: Dan Phone Number: 702-633		Construction M	gr: Dan Mu	irhead		Contracto	or: Wiser
Interlocal Agreement	Construction	Construct	Construction Mgmt		Environmental		her
Amount	\$2,086,373	\$194,615	\$194,615		\$0		
Scheduled Completion	Project Funded	Bids Oper)	Const Start		Co	nst End
Dates	07/09/2009	05/12/201	05/12/2010		09/20/2010		01/2011
Bid Amount	\$2,512,887						
Delay or Problem Areas		W. F	-1-e E	td			
Work Completed During	i Current Quarte	r: Notice of Com	pietion Fina	lized.			

Entity	City of No	rth Las Vegas			Date Prepa	red	05/31	/2017
Project Title	Simmon	Street Drainage	Improvemen	ts - Carey to Craig	Review Pe	riod From	02/01	/2017
					Review Per	riod To	04/30	/2017
Contract N		Design	NLV04F07					
Contract N	umbers	Construction	NLV04H09	NLV04I11	NLV04J14			
Total II A An	ount (De	sign and Cons	truction All	Phases)	\$26,135,671			

			Contr	act Numbe	r	-	NLV04I11
Project Name: Simmons	Street - Phase II,	Carey to Chey	venne .				
Date of Original ILA			02/10/20	11 Const	ruction	ILA	tE 464 910
Date of Most Recent Su	pplement to IL	A	04/09/20:	15 Amount			\$5,464,819
Description: This project in Cheyenne. The basic improvement							
Contract Manager: Joem Phone Number: 633-1230		Construction	n Mgr: Joemel	Llamado	Con	tractor:	Western State
Interlocal Agreement	Construction	Const	ruction Mgmt	Environm	ental	Other	•
Amount	\$5,030,790	\$434,0	29	\$0		\$0	
Scheduled Completion	Project Funde	d Bids O	pen	Const Sta	rt	Const	End
Dates	04/14/2011	09/21/	2011	11/28/201	1	04/30	/2014
Bid Amount	\$7,527,911						
Delay or Problem Areas	/Resolution:						
Work Completed During	Current Quart	er: Project is o	complete.				
Work to be Completed D				icipated.			
•				•			

CONSTRUCTION				Contra	ect P	lumber			NLV04J14
Project Name: Simmons:	Street Drainage I	mpvm	ents-Alexander	to Gowa	n O	utfall			
Date of Original ILA			02	2/13/201	4	Construc	tion IL	A	\$16,066,600
Date of Most Recent Su	pplement to IL	A	04	/14/201	6	Amount			\$10,000,000
Description: This project in Drainage Improvements pro- construction of dual RCBs from Avenue) and other appurter	oject, Alexander I com Alexander to	Road to Craig	o Gowan Outfa and single 24')	ll Channe (6' RCB f	el. Ti rom	ne basic im	provem	ents cor	nsist of
Contract Manager: John Phone Number: 277-469	Fitch		truction Mgr:				Contra Contra	actor: F	Pace
Interlocal Agreement	Construction		Construction	n Mgmt	Env	ironment	al	Other	
Amount	\$14,573,600	\$1,493,000			\$0			\$0	
Scheduled Completion	Project Funde	ed	Bids Open		Cor	st Start		Const	End
Dates	02/13/2014		10/08/2014		01/2	26/2015		02/28/	2016
Bid Amount	\$14,879,584								
Delay or Problem Areas	/Resolution:		***						
Work Completed During council completed.	Current Quart	er: Pri	vate CMU wall	complete	e. No	tice of Cor	npletion	and ag	enda draft to
Work to be Completed [Ouring Next Qu	arter:	Close funding	project o	out.				
D 42									Dago 2 of

PROJECT STATUS REPORT

Entity Ci	ty of No	rth Las Vegas			Date Prep	ared	05/31/20	17
Project Title: 0	Sowan C	outfall, Alexander	Rd - Decatur	to Simmons	Review Pe	eriod From	02/01/20	17
Street				Review Pe	eriod To	04/30/20	17	
Contract Nur	nhovo	Design	NLV04K17					
Contract Nun	nbers	Construction						
Total ILA Amo	unt (De	sign and Cons	truction All P	hases)	\$1,931,156			

DESIGN			Contr	ract Num	ber		NLV04K17
Description: This interloca sized storm drain within Ale comprised of 2,700 feet of to followed by 5,300 feet of tw	xander Road be win 12 foot by	etween Decatur 8 foot Reinforce	Boulevard and ed Concrete Bo	Simmons x (RCB) fr	Street. Sprom Decate	ecifically, thur Boulevard	ne system is I east,
Date of Original ILA			02/09/20:	17	niam TIA	l manual.	d1 021 156
Date of Most Recent Su	plement to II	LA		Des	sign ILA A	Amount	\$1,931,156
Contract Manager: Rober Phone Number: 633-2003		Entity: City	of North Las Ve	egas	Consulta	nt:	
	Predesign	Design	Environmen	tall .	ght-of- Way	LOMR	Other
ILA Amount	\$0	\$1,921,156	\$10,000		\$0	\$0	\$0
Percent Complete	0%	0%	0%		0%	0%	0%
Scheduled Completion							

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Current Interlocal Contract for design approved.

Work to be Completed During Next Quarter: Select a design consultant from the existing list of qualified design engineers. Negotiate a Professional Services Agreement with the selected design consultant.

PROJECT STATUS REPORT

Entity C	ity of No	rth Las Vegas			Date Prepa	ared	05/31/	2017
Project Title:	Vandenb	erg North Detent	ion Basin & Outfall		Review Pe	riod From	02/01/	2017
					Review Pe	riod To	04/30/	2017
Contract Nu	mhana	Design	NLV09E11					
Contract Nu	mpers	Construction						
Total ILA Amo	ount (De	esign and Cons	truction All Phases)	\$1,268,000			

DESIGN			Contract	Contract Number				
Description: This project is associated collection channel and 8' X 7' reinforced concre	els extending eas	at of the basin,	24" reinforced cond	rete outfall pipe				
Date of Original ILA			04/14/2011	Danis VI A A		\$1,268,000		
Date of Most Recent Sup	05/19/2016	Design ILA Amount \$1,268,						
Contract Manager: Tom Phone Number: 633-1227	Entity: City	ty: City of North Las Vegas Consultant: Atkins			North Americ			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other		
ILA Amount	\$133,000	\$1,100,000	\$5,000	\$30,000	\$0	\$0		
Percent Complete	100%	65%	0%	75%	0%	0%		
Scheduled Completion	11/12/2015	09/30/2017		09/30/2017				

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Began work on 70% design & technical report this quarter. Section 8 analysis screening has begun. Held design progress meetings.

Work to be Completed During Next Quarter: Work on final design to proceed for 70% plans anticipated to be completed and submitted for review and comment. Anticipate starting geotechnical borings subsequent to receiving approvals on BLM Boring Permit.

PROJECT STATUS REPORT

Entity	City of No	rth Las Vegas		Da	te Prepai	red	05/3	1/2017
Project Ti	tle: Centenni	Re	Review Period From			1/2017		
- 7				Re	view Peri	iod To	04/30	0/2017
Combus	Nembers	Design	NLV09G13					
Contrac	t Numbers	Construction	NLV09H14					
Total ILA	Amount (De	esign and Cons	truction All Phases)	\$3,4	89,393			

DESIGN			Co	ntract	Num	ber		NLV09G13
Description: This work con								
Road, primarily a 10' X 7' Ro	CBC from Palme	er to Pecos to co	onnect to an	existing	g 72"	RCP within	Pecos Ro	ad.
Date of Original ILA			10/10/	2013	D-	ion TI A A	maunt	\$556,143
Date of Most Recent Sup	plement to I	LA	03/12/	2015	Des	sign ILA A	mount	\$550,145
Contract Manager: Dale Phone Number: 633-1325		Entity: City	of North Las	Vegas		Consultan	t: G.C. Wa	allace
	Predesign	Design	Environn	nental		ght-of- Way	LOMR	Othe
ILA Amount	\$0	\$446,143	\$10,0	00	\$1	00,000	\$0	\$0
Percent Complete	0%	100%	1009	6	1	.00%	0%	0%
Scheduled Completion		05/31/2014	10/31/2	2013	02/	28/2014		

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: This project will be reported under NLV09H14.

Work to be Completed During Next Quarter: The design consultant will continue to help with construction processed.

CONSTRUCTION				Contra	act	Number			NLV09H14
Project Name: Centennia	l Collector								
Date of Original ILA			02/1	3/201	4	Construct	tion IL	A	¢3 033 350
Date of Most Recent Su	pplement to IL	A	04/1	4/201	G	Amount			\$2,933,250
Description: This work co Road, primarily an 8' X 7' R									
Contract Manager: Dale Daffern Phone Number: 277-4691			Construction Mgr: John Fitch				Contractor: Me Valley		Meadow
Interlocal Agreement	Construction		construction Mgmt \$385,200		nt Environ mental		al	Other	
Amount	\$2,548,050						\$0		
Scheduled Completion	Project Funde	d	Bids Open		Co	nst Start		Const	End
Dates	02/13/2014		07/14/2014		01/	05/2015		12/31	/2015
Bid Amount	\$6,623,000								

Work Completed During Current Quarter: Punch List Items complete. NOC Agenda sent to Council Work to be Completed During Next Quarter: Proceed with project close out.

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Centennial Collector

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PROJECT STATUS REPORT

Entity (City of No	rth Las Vegas		Date Prepared	05/31/2017
Project Title:	Beltway I	Detention Basin a	Review Period Fron	02/01/2017	
				Review Period To	04/30/2017
Combunet No.		Design	NLV09I13		
Contract Nu	Impers	Construction			
Total ILA Am	ount (De	sign and Cons	truction All Phases)	\$1,034,000	

DESIGN			Contract	Number		NLV09I13
Description: The current in mitigation for the Beltway D including pipes, culverts, challeterals, and other appurtena	etention Basin a annels, energy o	and Channel. The	ne basic improveme nnel structures, cha	ents shall consist annel access, sto	of flood co	ntrol facilitie lets and
Date of Original ILA			10/10/2013			44 004 000
Date of Most Recent Sup	plement to II	LA .	02/12/2015	Design ILA A	mount	\$1,034,000
Contract Manager: Rob F Phone Number: 633-2003		Entity: City	of North Las Vegas	Consultar	nt: Atkins N	lorth Americ
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$924,000	\$10,000	\$100,000	\$0	\$0
Percent Complete	40%	30%	0%	10%	0%	0%
Scheduled Completion	10/15/2016	11/30/2017	11/30/2017	11/30/2017		

Delay or Problem Areas/Resolution: Design changes due to reclassification of soils. Also, design changes possible due to lengthening of channel RWRR0261. There has been a four month delay so far.

Work Completed During Current Quarter: 30% submittal received and is under review. Note \$11,900,000 construction estimate.

Work to be Completed During Next Quarter: Complete review of 30% submittal.

PROJECT STATUS REPORT

Entity	City of No	orth Las Vegas			Date Prepa	red	05/31/2017	
Project Tit	le: Fifth Stre	Review Pe	02/01/2017					
Way					Review Pe	riod To	04/3	0/2017
	Design	NLV17C16						
Contract Numbers		Construction						
Total ILA A	Total ILA Amount (Design and Construction All Phases)							

DESIGN			Contract	Contract Number				
Description: To design appropriate Parkway and Deer Springs V		00 linear feet o	of storm drain within	North 5th stree	et between	Centennial		
Date of Original ILA			11/10/2016	Design ILA A	mount	\$726,079		
Date of Most Recent Sup	plement to II	LA .	04/13/2017	Design ILA	Amount	\$720,079		
Contract Manager: Allan Phone Number: 633-2044	Entity: City of North Las Vegas		Consultant: VTN					
	Predesign	Design	Environmental	Right-of- Way	LOMR	Othe		
ILA Amount	\$0	\$456,991	\$10,000	\$259,088	\$0	\$0		
Percent Complete	0%	0%	0%	0%	0%	0%		
Scheduled Completion								

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Negotiated contract with VTN. Completed the topographic survey using Aerotch mapping and City Staff.

Work to be Completed During Next Quarter: Submit design contract to City Council for approval and issue a notice to proceed to commence with design.

PROJECT STATUS REPORT

Entity C	ity of No	rth Las Vegas			Date Prepar	ed	05/31/2017	
Project Title:	Colton C	hannel		Review Period From			/2017	
					Review Peri	od To	04/30	/2017
Combro et Nov		Design	NLV18A07					
Contract Numbers	mbers	Construction	NLV18G14					
Total ILA Amount (Design and Construction All Phases)					\$8,749,634			

DESIGN			Contract	Number		NLV18A07
Description: Entails design corridor. This facility will pro Culvert crossings shall be pr be evaluated and mitigated a	ovide approx. 3, ovided from N.	400 ft of conve	enyance, dischargin	g into the I-15	flood contro	facilities.
Date of Original ILA					. minumi	41 214 624
Date of Most Recent Sup	plement to II	A	09/08/2016	Design ILA	Amount	\$1,214,634
Contract Manager: Dan L Phone Number: 633-1932		Entity: City of North Las Vegas		Consulta	nt: MWH	
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$1,139,634	\$25,000	\$50,000	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		06/30/2014	04/30/2014			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Design portion completed.

Work to be Completed During Next Quarter: The construction portion of this project will be reported under NLV18G14. The submittal review, RFI, and the construction field design consultations will last throughout construction.

CONSTRUCTION	Contract	NLV18G14	
Project Name: Colton Avenue Flood Control Improv	rements		
Date of Original ILA	05/15/2014	Construction ILA	+7 525 000
Date of Most Recent Supplement to ILA	09/08/2016	Amount	\$7,535,000

Description: Construction of flood control improvements extending along Colton Avenue from N. 5th Street to the I-15 corridor. This facility will provide approx. 3,400 ft of convenyance, discharging into the I-15 flood control facilities. Culvert crosssings shall be provided from N. 5th Street and Losee Road. Roadway conditions will be evaluated and mitgated as necessary.

Contract Manager: Clint Fujii, P.E. Phone Number: 633-2679		Construction Mgr: Clint Fu	Contractor: LVP		
Interlocal Agreement	Construction	Construction Mgmt	Environment	al	Other
Amount	\$6,850,000	\$685,000	\$0		\$0
Scheduled Completion	Project Funded	Bids Open	Const Start		Const End
Dates	05/15/2014	07/08/2014	02/23/2015		08/31/2016
Bid Amount	\$7,000,908				

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: All punch list items have been resolved. Las Vegas Paving submitted all required close-out documentation. Notice of Completion was drafted and approved by CNLV Council on 7/20/2016.

Work to be Completed During Next Quarter: Record Notice of completion. Close out project accounting and Interlocal Contract.

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PROJECT STATUS REPORT

Entity	City of No	orth Las Vegas			Date Prepa	red	05/31/2017	
Project Ti	Project Title: Brooks Channel					riod From	02/01/2017	
					Review Per	riod To	04/30)/2017
Combine		Design	NLV18B07					
Contract Numbers	Construction	NLV18H14						
Total ILA Amount (Design and Construction All Phases)				1	6,428,749			

DESIGN			Cont	ract I	Number	N	NLV18B07	
Description: This project in Project. The basic improven								
Date of Original ILA			09/13/2007		Decien TI A	A manuat	+677 740	
Date of Most Recent Sup	plement to II	A	12/10/20)15	Design ILA	Amount	\$677,749	
Contract Manager: Phone Number:		Entity: City of North Las Vegas			consultant:			
	Predesign	Design	Environme	ntal	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$545,839	\$36,910		\$85,000	\$10,000	\$0	
Percent Complete	0%	100%	100%		100%	0%	0%	
Scheduled Completion	03/04/2014	09/22/2014	06/30/20:	14	03/31/2014	06/30/2014	1	

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: The construction activities will be reported under NLV18H14. Work to be Completed During Next Quarter: MWH will continue support through the end of construction. The construction activities will be reported under NLV18H14. Extended funding contract pending closeout issues.

CONSTRUCTION				Contra	act I	Number			NLV18H14
Project Name: Brooks Ch	annel								
Date of Original ILA			09	/11/201	4	Construc	tion ILA	1	\$5,751,000
Date of Most Recent Su	Date of Most Recent Supplement to ILA Description: Construction of flood control improvemen				7	Amount			\$5,751,000
Central Freeway Channel. Tappurtenances as required.	he improvement								
Contract Manager: Clint Phone Number: 274-453		Construction Mgr: Clint Fujii, P.E.			Contractor: West Coas Contractors				
Interlocal Agreement	Construction		Construction Mgmt		Environmental		al	l Other	
Amount	\$5,165,000	4	\$586,000		\$0			\$0	
Scheduled Completion	Project Funde	ed I	Bids Open	pen Co		Const Start		Const	End
Dates	09/11/2014	1	10/29/2014		05/03/2016			12/21/	2016
Bid Amount	\$4,239,353								
Delay or Problem Areas	/Resolution:								

with UPRR. Disputed amount is \$34,419.12. Work to be Completed During Next Quarter: NOC approved by CNLV City Council on 12/21/2016. Close out

funding contract, pending disputed amount of final retention.

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Percoles Channel

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PROJECT STATUS REPORT

Entity	City of No	rth Las Vegas		Date Prepared	05/31/2017
Project Title	: Central F	reeway Channel	Review Period From	02/01/2017	
				Review Period To	04/30/2017
Contract N		Design	NLV18F13		
Contract Numbers	Construction	NLV18I16			
Total ILA An	nount (De	sign and Cons	truction All Phases)	\$12,072,549	

DESIGN			Contract	Number		NLV18F13	
Description: Preliminary d project. The improvements parallel to the Central Freew	shall include ins						
Date of Original ILA			12/12/2013	Docier TI A A	mount	\$772,549	
Date of Most Recent Sup	plement to I	LA	03/10/2016	Design ILA A	Design ILA Amount		
Contract Manager: Dale Daffern Phone Number: 633-1325		Entity: City of North Las Vegas		Consultant: MWH			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$767,549	\$0	\$5,000	\$0	\$0	
Percent Complete	30%	90%	0%	0%	0%	0%	
Scheduled Completion		04/30/2017		04/30/2017			

Work Completed During Current Quarter: NDOT Occupancy Permit received and sent Construction Agreement to Council for approval.

Work to be Completed During Next Quarter: Issue NTP for construction.

CONSTRUCTION				Contra	ct Numb	er		NLV18I16	
Project Name: Central Fr	eeway Channel at	t Cheye	enne						
Date of Original ILA			12/08/2		6 Cons	truction	ILA	\$11,300,000	
Date of Most Recent Supplement to IL					Amount			\$11,300,000	
Description: The improve Cheyenne Avenue Bridge.					culverts in	southbo	und I-15	under the	
Contract Manager Dale Daffern			truction Mgr:	Agr: Dale Daffern Contract Southwes					
Interlocal Agreement	Construction		Construction	Mgmt	Environn	Invironmental		r	
A <i>mo</i> unt	\$10,690,000		\$610,000		\$0		\$0		
Scheduled Completion	Project Funde	:ů	Bids Open		Const St	art	Cons	t End	
Dates	12/08/2016		04/05/2017						
Bid Amount	\$9,289,667								

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Construction funding presentation and ILA to CCRFCD Board at the 12/18/16 Meeting. Negotiations for the CMAR Agreement with ACC Southwest continued and were finalized pending City Attorney review.

Work to be Completed During Next Quarter: Receive construction agreement back from City attorney. Draft council agenda item to execute contract.

Entity	Clark Cou	nty		Date Prep	ared	05/31/2017	
Project T	itle: Flaminge	Wash, McLeod I	Review Pe	02/01/2017			
-					Review Pe	eriod To	04/30/2017
Cambura	A November	Design	CLA04E99				
Contrac	t Numbers	Construction	CLA04I01	CLA04J03	CLA04R08	CLA04W1	6
Total ILA Amount (Design and Construction All Phases)					\$18,414,613		

DESIGN			Contract	Number		CLA04E99
Description: Fourth and fine Eastern with a new bridge state of the control of			annel improvement	s for Flamingo	Wash betwe	en Tioga an
Date of Original ILA			08/12/1999	Decien II A		¢2 000 000
Date of Most Recent Sup	plement to I	LA	11/13/2014	Design ILA	Amount	\$2,980,000
Contract Manager: Brook Phone Number: 702-455-		Entity: Clark	County	Consulta	nt: Louis Be	erger Group
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$1,877,500	\$339,000	\$741,500	\$22,000	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion						
Delay or Problem Areas						
Work Completed During	Current Quar	ter: Working o	n hid documents			

CONSTRUCTION			Contra	act Numbe	r		CLA04I01
Project Name: Flamingo	Wash, Spencer St	reet Bridge &	Approach Chan	nel			
Date of Original ILA			03/08/200	1 Const	ruction	ILA	\$2,436,744
Date of Most Recent Su	pplement to IL	A	09/09/200	09/09/2004 Amount			\$2,430,74
upstream concrete channel channel that provides a trar Katie and Spencer. CCPW b	nsition to the exist	ting grassline	d channel on the				
Contract Manager: Kris I Phone Number: 455-611		Construction	on Mgr: CCPW			ntractor: cades	Crystal
Interlocal Agreement	Construction	Cons	truction Mgmt	Environmenta		al Other	
Amount	\$2,245,931	\$166,	808	\$24,004		\$0	
Scheduled Completion	Project Funde	d Bids	Open	Const Sta	onst Start		t End
Dates	06/13/2002	09/27	/2001	11/15/2004		10/02/2002	
Bid Amount	\$2,299,777						
Delay or Problem Areas	/Resolution:						

Entity	Clark Cou	nty	Date Prep	ared	05/31/2017			
Project Title: Flamingo Wash, McLeod Dr to Maryland PKWY					Review Pe	02/01/2017		
					Review Pe	eriod To	04/30	0/2017
Contract Numbers		Design	CLA04E99					
		Construction	CLA04I01	CLA04J03	CLA04R08	CLA04W1	6	
Total ILA	mount (De	esign and Cons	truction All	Phases)	\$18,414,613			

CONSTRUCTION			Contra	act Number		CLA04J03
Project Name: Flamingo	Wash, Algonquir	Dr to Maryland	Parkway			
Date of Original ILA			10/10/200	2 Construc	tion ILA	43 700 GO
Date of Most Recent Su	pplement to IL	A	12/13/2007 Amount			\$3,708,620
Description: Construct red drain across the Boulevard w/Meadow Valley Contractor	Mall parking lot a					
Contract Manager: Bruce Phone Number: 455-604		Construction	Mgr: CCPW		Contractor Valley	: Meadow
Interlocal Agreement	Construction	Constru	ction Mgmt	Environment	al Othe	er
Amount	\$3,573,638	\$134,98	2	\$0	\$0	
Scheduled Completion	Project Funde	ed Bids Op	Bids Open		Con	st End
Dates	09/11/2003	06/29/20	004		10/2	5/2005
Bid Amount	\$3,523,534					,
Delay or Problem Areas	/Resolution:					
Work Completed During	Current Quart	er:				
Work to be Completed I			HCTION CON	TRACT #CLAD	4103 CLOSET	12 13 07

CONSTRUCTION			Contra	act Numb	er		CLA04R08	
Project Name: Flamingo	Wash, Desert Inn	to Eastern Avenu	ie .					
Date of Original ILA			10/09/200	8 Cons	truction	ILA	1= 000 000	
Date of Most Recent Su	pplement to ILA		10/10/201				\$7,869,249	
Description: This project Eastern Avenue. CCPW #FG								
Contract Manager: Bruce Phone Number: 455-604	Construction M	truction Mgr: HDR			Contractor: Southw			
Interlocal Agreement	Construction	Construc	tion Mgmt	Environn	nental	Other		
Amount	\$6,497,376	7,376 \$1,163,844		\$0	\$208,		,029	
Scheduled Completion	Project Funded	Bids Ope	Bids Open		art	Const	End	
Dates	10/09/2008	06/09/200)9	09/21/200)9	12/15	/2010	
Bid Amount	\$6,182,370							
Delay or Problem Areas	/Resolution:							
Work Completed During	Current Quarte	er:						
Work to be Completed I	During Next Qua	rter: Constructi	on complete	. Contract	dosed.			

Entity	Clark Cou	nty			Date Prep	ared	05/31/2017	
Project Ti	tle: Flaminge	Wash, McLeod I	Review Pe	02/01/2017				
					Review Pe	eriod To	04/30/201	
Contrac	h Mumbana	Design	CLA04E99					
Contract Numbers		Construction	CLA04I01	CLA04J03	CLA04R08	CLA04W1	6	
Total ILA Amount (Design and Construction All Phases)					\$18,414,613			

Project Name: Flamingo Wash, Date of Original ILA Date of Most Recent Supplem Description: Project includes a 1 Structure upstream of Eastern Ave Avenue are also proposed. The pro-	nent to ILA 100-year Regio	ue 05/19/201		tion ILA	T	
Date of Most Recent Supplem Description: Project includes a 1 structure upstream of Eastern Ave	100-year Regio	05/19/201		tion ILA		
Description: Project includes a 1 structure upstream of Eastern Ave	100-year Regio		Amount		\$1,420,000	
structure upstream of Eastern Ave			Amount \$1,			
FCLA04W ILC Exp 06/30/21			sh is 5,781 cfs.	Drop inlets on	Eastern	
Contract Manager: Mike Mame Phone Number: 702-455-6081		onstruction Mgr: TBD		Contractor:	TBD	
Interlocal Agreement Cons	struction	Construction Mgmt	ion Mgmt Environment		r	
_	00,000	\$120,000	\$0	\$0		
Scheduled Completion Proj	ect Funded	Bids Open	Const Start	Cons	t End	
Dates 05/1	9/2016	08/15/2017	11/01/2017			
Bid Amount \$0						
Delay or Problem Areas/Rescoordination with property owner		n change for the culvert fi	om 22'x8' to (2) 11′x8′ RCBs,	and also,	
Work Completed During Curr	ent Quarter:					
Work to be Completed During	Next Quar	er:				

PROJECT STATUS REPORT

Entity	Clark County			Date Prepared	05/31/2017	
Project Title: Duck Creek at Dean Martin				Review Period From	02/01/2017	
				Review Period To	04/30/2017	
Combined No.		Design	CLA08Q13			
Contract No	umpers	Construction	CLA08W16			
Total ILA Amount (Design and Construction All Phases)				\$4,267,357		

DESIGN			Contract	Number		CLA08Q13
Description: This project in where it crosses Dean Martin					or Duck Cr	eek Wash
Date of Original ILA			09/12/2013	Danies VIA A		±400 000
Date of Most Recent Sup	plement to I	LA	05/18/2017	Design ILA A	\$480,000	
Contract Manager: Spring Phone Number: 702-455-	Entity: Clark County		Consultant: The Louis Berge Group			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Othe
ILA Amount	\$0	\$254,000	\$15,500	\$210,500	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		10/01/2016	10/01/2016	10/01/2016		

Work Completed During Current Quarter:
Work to be Completed During Next Quarter: Construction support.

CONSTRUCTION			Contra	act I	Number		CLA08W16
Project Name: Duck Cree	k at Dean Martin						
Date of Original ILA			10/13/201	6	Construction	on ILA	\$3,787,35
Date of Most Recent Su	pplement to ILA		Amount \$3,70				
Description: This project where it crosses Dean Marti							
Contract Manager: Blair Phone Number: 702-455		Construction M	gr: CCPW		c	Contractor:	TBD
Interlocal Agreement	Construction	Construct	ion Mgmt	Env	vironmental	Othe	r
Amount	\$3,472,857	\$314,500	\$314,500			\$0	
Scheduled Completion	Project Funde	d Bids Oper	Bids Open		nst Start	Cons	t End
Dates	10/13/2016	03/20/201	03/20/2017		15/2017		
Bid Amount	\$3,087,867						
Delay or Problem Areas	/Resolution:						
Work Completed During	Current Quarte	er: Opened bids					
Work to be Completed	During Next Qua	rter: Award bid	and begin o	const	truction	4.0	

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Duck Creek at Dean Martin

Page 1 of 1

PROJECT STATUS REPORT

Entity	Clark County			Da	Date Prepared			/2017
Project Title: Duck Creek, Las Vegas Boulevard			Re	Review Period From			/2017	
				Re	view Per	iod To	04/30	/2017
Countries at Nic		Design	CLA08R13					
Contract Numbers		Construction	CLA08T14					
Total ILA Amount (Design and Construction All Phases)					85,000			A section

DESIGN			Contract	CLA08R13			
Description: This project of Vegas Boulevard extending					x 8' to 16'	x 7' in Las	
Date of Original ILA			09/12/2013	09/12/2013		¢495 000	
Date of Most Recent Su	pplement to I	LA ·		Design ILA A	imount	\$485,000	
Contract Manager: Spring Dineen Phone Number: 702-455-6074		Entity: Clark County		Consulta	lace		
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$483,000	\$1,000	\$1,000	\$0	\$0	
Percent Complete	0%	100%	100%	100%	0%	0%	
Scheduled Completion		02/15/2015					

Work Completed During Current Quarter: Awarded bid, resolved SID issues.

Work to be Completed During Next Quarter: Construction support

Work to be Completed During Next Quarter: Continue construction.

CONSTRUCTION				Contr	act	Number			CLA08T14
Project Name: Duck Cree	k, Las Vegas Bou	levard							
Date of Original ILA				09/11/201	4	Construc	tion Il	A	£7 400 000
Date of Most Recent Su	pplement to IL	A			Amount				\$7,400,00
Description: This project Vegas Boulevard from Starr					ging	in size from	n 10' x	8' to 16	' x 7' in Las
Contract Manager: Robe Phone Number: 702-455		Constr	uction M	gr: URS Co	nsul	tants, Inc		actor: I	Las Vegas ation
Interiocal Agreement	Construction		Construction Mgmt		Environmental		al	Other	
Amount	\$6,800,000	9	\$600,000		\$0			\$0	
Scheduled Completion	Project Funde	ed Bids Open			Const Start		Const End		End
Dates	09/11/2014	1	0/14/2016	5	03/15/2017			09/15/2018	
Bid Amount	\$30,073,424								
Delay or Problem Areas	/Resolution:								

PROJECT STATUS REPORT

Entity	Clark Cou	nty			Date Prepare	d	05/31/	2017
Project Title	: Silverado	Review Period From		02/01/2017				
1 -					Review Perio	d To	04/30/	2017
Contract Numbers	Design	CLA08S13						
Contract N	umbers	Construction	-					
Total ILA Ar	nount (De	esign and Cons	truction All Pha	ises)	\$1,370,000			

DESIGN			Contract	Contract Number				
Description: This project is west of Arville Street, 14' x to Decatur Boulevard, and 7 Ranch Boulevard. CCPW #F	8' reinforced co 2" reinforced co	ncrete box culve	ert inflow facility in	Le Baron Avenu	e from dete	ention basin		
Date of Original ILA			09/12/2013	Decima VI A A		\$1,370,000		
Date of Most Recent Sup	plement to II	LA	09/08/2016	Design ILA Amount \$1,370,				
Contract Manager: Kathle Phone Number: 702-455-	Entity: Clark	County	Consultant: Slater Hanifan G					
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other		
ILA Amount	\$0	\$1,248,000	\$81,000	\$31,000	\$0	\$10,000		
Percent Complete	0%	30%	0%	0%	0%	0%		
Scheduled Completion		04/01/2018	04/01/2018	04/01/2018				

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Pre-design report submitted in November 2014. Evaluated pre-design and supplement design consultant for final design.

Work to be Completed During Next Quarter: Working on final design

PROJECT STATUS REPORT

Entity	Clark Cou	nty			Date Prepared 05/			017
Project Tit	le: Flamingo	Wash, Industria	l Rio Drive	Review Period From		02/01/2017		
	-				Review Pe	eriod To	04/30/2	017
Contract Numbers	Design	CLA10F10						
Contract	Numbers	Construction						
Total ILA	Amount (De	esign and Cons	truction All P	hases)	\$46,000			

DESIGN			C	ontract		CLA10F10		
Description: This project of #FCLA10F	consists of chan	nel improvemen	nts from Ir	ndustrial I	Road to Hotel Ri	o Drive. Co	CPW	
Date of Original ILA			04/08	3/2010	Decian II A A	mount	\$46,000	
Date of Most Recent Sup	ate of Most Recent Supplement to ILA					Design ILA Amount \$46,000		
Contract Manager: Joe Yatson Phone Number: 702-455-6082		Entity: Clark	Entity: Clark County		Consultant: TBD			
	Predesign	Design	Environ	mental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$32,000	\$3,5	500	\$10,500	\$0	\$0	
Percent Complete	0%	15%	09	6	0%	0%	0%	
Scheduled Completion		12/01/2018	12/01	/2018	12/01/2018			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Project was originally being worked on by in-house staff. Due to lack of staffing, project will go out to consultant.

Work to be Completed During Next Quarter: Interview and hire consultant to complete design.

PROJECT STATUS REPORT

Entity	Clark Cou	nty			Date Prepa	red	05/3	1/2017
Project T	roject Title: Airport Channel - Naples				Review Period From			1/2017
					Review Per	riod To	04/3	0/2017
Contract Numbers	Design	CLA10H13						
Contrac	ct Numbers	Construction						
Total ILA	Amount (De	esign and Cons	truction All Phas	es)	\$600,000			

DESIGN			Cor	ntract	Number		CLA10H13
Description: This project of #FCLA10H	consists of open	channel improv	vements fror	n Harm	non Avenue to T	ropicana A	venue. CCPV
Date of Original ILA			09/12/2	2013	Decies VA A		±600 000
Date of Most Recent Sup	plement to I	LA	11/12/2	2015	Design ILA A	\$600,000	
Contract Manager: Kathleen Kingston Phone Number: 702-455-6043		Entity: Clark County			Consultant: Atkins		
	Predesign	Design	Environm	ental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$579,000	\$19,00	00	\$2,000	\$0	\$0
Percent Complete	0%	30%	0%		0%	0%	0%
Scheduled Completion		12/01/2017	12/01/2	017	12/01/2017		

Delay or Problem Areas/Resolution: FAA approval

Work Completed During Current Quarter: Consultant has submitted design alternatives for project. Meetings with Department of Aviation and UNLV on use of DOA land for detention basin.

Work to be Completed During Next Quarter: Get approval from FAA for use of land and proceed with final clesign.

PROJECT STATUS REPORT

Entity	Clark Cou	nty			Date Prepared	05/31/2017
Project T	itle: LVW-Slo	an to Stewart-Fla	Review Period From	02/01/2017		
					Review Period To	04/30/2017
Combras	t Namela and	Design	CLA15C09	CLA15D12		
Contrac	t Numbers	Construction	CLA15E13			
Total ILA	Amount (De	esign and Cons	truction All	Phases)	\$88,699,555	

DESIGN			Contract	Number		CLA15C09	
Description: This project i Vegas Wash, Sloan Lane to	ncludes prelimi Cedar Avenue.	nary hydraulic CCPW #FCLA1	analysis for the ultin SC Exp 06/14	nate channel im	provement	s on the Las	
Date of Original ILA			10/08/2009	Dagier TI A		\$193,555	
Date of Most Recent Su	plement to I	LA	07/14/2011	Design ILA Amount \$193,5			
Contract Manager: Joanna Wadsworth Phone Number: 455-6009		Entity: Clar	Entity: Clark County		Consultant: G C Wallace, In		
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$193,555	\$0	\$0	\$0	\$0	\$0	
Percent Complete	100%	0%	0%	0%	0%	0%	
Scheduled Completion	03/15/2011						
Delay or Problem Areas	/Resolution:						

Work	Comp	leted	During	Current	Quarter:
MOLK	Comp	letea	During	Current	Quarter:

Work to be Completed During Next Quarter: Contract closed.

DESIGN			Contrac	Contract Number			
Description: LYMD 0883 to Channel thru the Desert Rosentity with CLV funds and so	e Golf Course a	nd upstream to					
Date of Original ILA			06/14/2012	Docion II A	B		
Date of Most Recent Sup	LA 05/15/2014		Design ILA Amount		\$5,622,000		
Contract Manager: Phone Number:		Entity: Clark	County	Consultant:			
	Predesign	Design	Environmenta	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$4,791,000	\$220,000	\$22,000	\$239,000	\$350,000	
Percent Complete	0%	90%	100%	100%	60%	0%	
Scheduled Completion		06/15/2014	12/15/2013	06/15/2014	12/15/201	5	

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Channel through golf course still under construction. Performed independant cost estimate (ICE) on concrete channel portion from Nellis to Bonanza. Re-design needed to revise upper limit to Stewart. Revised plans to remove Stewart to Bonanza from project. Received GMP from contractor for channel from Nellis to Stewart. Continue with construction on golf course.

Work to be Completed During Next Quarter: Construction support

Entity	Clark Cou	nty			Date Prepa	red	05/31/	/2017
Project Title: LVW-Sloan to Stewart-Flam Wash below Nellis					Review Per	02/01/2017		
					Review Per	iod To	04/30/	/2017
Contract Numbers		Design	CLA15C09	CLA15D12				
		Construction	CLA15E13					
Total ILA	Amount (De	esign and Cons	truction All	Phases)	\$88,699,555			

CONSTRUCTION				Contract Number					CLA15E13
Project Name: LVW-Sloa	n to Stewart-Flam	Was	h below Nellis						
Date of Original ILA			10	10/10/2013		Construc	tion IL	1	\$82,884,000
Date of Most Recent Supplement to ILA				/08/201	6 Amount				\$02,004,000
Description: Open concre Cedar Avenue,including ne & Phase 2 Trail CCPW FCL	w bridge at Deser	t Rose	e Golf Course. La	as Vegas	Wa	sh, Nellis t			
Contract Manager: Blair Lecker Phone Number: 702-455-6331			struction Mgr:	Mgr: Stanley Consultants			Contractor: A Construction, I		
Interlocal Agreement	Construction		Construction Mgmt		Environmental		al	Other	
Amount	\$74,952,000		\$7,932,000		\$0			\$0	
Scheduled Completion	Project Funded		Bids Open		Const Start			Const End	
Dates	10/10/2013		08/13/2015		01/19/2016				
Bid Amount	\$27,928,935								
Delay or Problem Areas	:/Resolution: St	orm e	events delayed co	onstructi	on				
Work Completed During	Current Quart	er: Bi	d No. 603740-1	5 contin	ued	with const	ruction o	f chanr	el.
Work to be Completed	During Next Qu	arter	: Work complete	on Pha	se 2	Nellis to S	tewart to	82%	

Entity	Clark Cou	nty		Date Prepared	05/31/2017
Project Titl	pject Title: Las Vegas Wash - Water Reclamation Channel			Review Period From	n 02/01/2017
				Review Period To	04/30/2017
C	Number	Design			
Contract Numbers		Construction	CLA15F16		
Total ILA A	mount (De	esign and Cons	truction All Phases)	\$3,400,000	

CONSTRUCTION			Contra	ct N	lumber		CLA15F16	
Project Name: Las Vegas	Wash - Water Re	clamation Channel						
Date of Original ILA			05/19/201	6	Construction	on ILA	\$3,400,000	
Date of Most Recent Su	pplement to IL	A			Amount		\$3,400,000	
Description: LVMD 0606, through Clark County Wate concrete channel of up to 1 Approximately 5,000 feet o	r Reclamation Dis 50-foot bottom w	strict (CCWRD) pro vidth and 11 feet d	perty. The peep and a 2	oroje 00-fo	ct indudes troot-long two	rapezoidal re -span bridge	einforced	
Contract Manager: Dan Phone Number: 702-455	Erickson	Construction M				Contractor:	CCWRD	
Interlocal Agreement	Construction	Construct	ion Mgmt	Environmental		Othe	r	
Amount	\$3,400,000	\$0	\$0		0		\$0	
Scheduled Completion	Project Funde	d Bids Open		Const Start		Cons	Const End	
Dates	05/19/2016	07/07/201	07/07/2015		04/05/2016			
Bid Amount	\$46,847,000							
Delay or Problem Areas Work Completed During		er: Channel constr	uction 65%	con	pleted			
Work to be Completed I								

PROJECT STATUS REPORT

Entity	Clark Cou	nty		Date Prepared	05/31/2017	
Project Ti	itle: Orchard	Detention Basin		Review Period From	02/01/2017	
				Review Period To	04/30/2017	
Combon	A Manuali ana	Design	CLA21A00			
Contract Numbers		Construction	CLA21B12			
Total ILA	Amount (De	esign and Cons	truction All Phases)	\$6,229,586		

DESIGN			Contra	Contract Number			
Description: The basin is I the basin. Includes predesig remaining includes the Orch	n for a detentio	n basin, channe	el, berm and out	let pip	e improveme	nts. Desigr	
Date of Original ILA			07/13/2000		onies TIA A	mannt	£1 200 700
Date of Most Recent Sup	plement to I	LA	12/08/2010	5 0	esign ILA A	mount	\$1,299,700
Contract Manager: Mona Phone Number: 702-455-		Entity: Clark	County		Consultar	nt: PB	
	Predesign	Design	Environment	al F	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$756,000	\$176,900	1	\$345,000	\$0	\$21,800
Percent Complete	0%	100%	100%		100%	0%	0%
Scheduled Completion		10/15/2012	12/15/2011	1	2/15/2011		

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Phase I (detention basin) was completed 6/3/2015 .Phase II (diversion levee) currently under design.

Work to be Completed During Next Quarter: Design phase done for phase I. Begin environmental work to obtain BLM grant for levee for Phase 2, Orchard Collector, Charleston to Linden.

ONSTRUCTION Contract		Number	CLA21B12	
Project Name: Orchard Detention Basin				
Date of Original ILA	09/08/2011	Construction ILA	¢4 020 000	
Date of Most Recent Supplement to ILA	10/13/2016	Amount	\$4,929,886	

Description: The Orchard Detention Basin is located east of Los Feliz Street between Charleston Boulevard and north of Sahara Avenue. This project will benefit the community by conveying flows to the Las Vegas Wash via the Range Wash - Sloan Channel. Project includes visual enhancement and restoration plans. CCPW Project No. FCLA21B (F000714) Bid No.

Contract Manager: Blair Lecker Phone Number: 702-455-6331		Construction Mgr: CCPW		Contractor: VT Construction
Interlocal Agreement	Construction	Construction Mgmt	Environmenta	l Other
Amount	\$4,659,429	\$273,458	\$0	\$0
Scheduled Completion	Project Funde	d Bids Open	Const Start	Const End
Dates	04/12/2012	06/25/2014	11/17/2014	06/15/2015
Bid Amount	\$4,545,033		- C - 10 - 5	

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: NTP issued to VT Construction on 11/17/14.

Work to be Completed During Next Quarter: Substantial completion issued 06/03/15 for construction of the detention basin. This ILC was closed 10.13.16 #7. See Design CLA21A00 for updates on Phase II.

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PROJECT STATUS REPORT

Entity	Clark Cou	nty		Date Prepared	05/31/2017
Project Title: Flamingo Diversion - Rainbow Branch			Review Period From	02/01/2017	
1.00				Review Period To	04/30/2017
Contract	Nemakawa	Design	CLA27C08		
Contract Numbers		Construction	CLA27D13		
Total ILA	mount (De	esign and Cons	truction All Phases)	\$11,600,000	

DESIGN			Contract	Contract Number			
Description: This is a tribupipe from Sunset Road to Pa#FCLA27C Exp 06/13							
Date of Original ILA	08/14/2008	D 71 A 4		41 020 000			
Date of Most Recent Sup	plement to I	LA	10/08/2015	Design ILA Amount		\$1,030,000	
Contract Manager: John Phone Number: 702-455-		Entity: Clark	County	Consulta	nt: Atkins		
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$897,000	\$10,000	\$33,000	\$90,000	\$0	
Percent Complete	0%	100%	100%	100%	0%	0%	
Scheduled Completion		10/16/2012	02/16/2010	10/15/2012			
Delay or Problem Areas, Work Completed During		ton Continue	anaku shi an				

CONSTRUCTION	Contract	Number	CLA27D13
Project Name: Flamingo Diversion - Rainbow Branch			
Date of Original ILA	02/14/2013	Construction ILA	+10 F70 000
Date of Most Recent Supplement to ILA	11/12/2015	Amount	\$10,570,000

Description: Construction of the Flamingo Diversion Channel - Rainbow Branch which is located along Rainbow Boulevard from Sunset Road to Russell Road. This project will collect 100-year flows of 1,148 cfs and convey them to the Flamingo Diversion Channel stub in Rainbow Boulevard and Russell Road. Major collection system laterals for the following roadways are included: Sunset Road, Patrick Lane, and Russell Road. CCPW Project No. FCLA27D exp 06/30/2018

Contract Manager: Robert McNamara Phone Number: 702-455-6047		Construction Mgr: CH2M H	Contractor: Las Vegas Paving Corporation		
Interlocal Agreement	Construction	Construction Mgmt	Environmenta	al	Other
Amount	\$9,665,000	\$905,000	\$0		\$0
Scheduled Completion	Project Funde	d Bids Open	Const Start		Const End
Dates	04/11/2013	07/10/2015	02/16/2016		04/15/2017
Bid Amount	\$12,619,186				

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Continued construction to completion.

Work to be Completed During Next Quarter: Complete construction.

PROJECT STATUS REPORT

Entity	Clark Cou	County Outlying			ate Prepare	ed	05/31/2017	
Project Tit	le: Windmil	Wash Detention	Basin Expansion	R	Review Period From			017
				R	eview Perio	d To	04/30/2	017
Combonet		Design	BUN01D11					
Contract Numbers		Construction						
Total ILA	Total ILA Amount (Design and Construction All Phases)				30,000			

DESIGN			Contract	Number		BUN01D11			
Description: This project of to 887 acre feet. CCPW Win					Basin from	522 acre feet			
Date of Original ILA			02/10/2011		+000 000				
Date of Most Recent Sup	ate of Most Recent Supplement to ILA				Design ILA Amount \$880,0				
Contract Manager: John Phone Number: 702-455-	Entity: Clark County Outlying		Consultant: Stanley Consulta Inc.						
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other			
ILA Amount	\$0	\$660,000	\$119,000	\$94,000	\$0	\$7,000			
Percent Complete	0%	60%	0%	0%	0%	0%			
Scheduled Completion		11/01/2015	11/01/2015	11/01/2018					

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Performed site visit; Updated project hydrology; investigated several basin configurations;60% plans submitted; consultant to make recommendation; proceded to final design contract Work to be Completed During Next Quarter: Continue design. Complete design work to 90% and obtain BLM entry.

PROJECT STATUS REPORT

Entity	Clark Cou	nty Outlying			Date Prepa	red	05/31/2017	
Project T	roject Title: Goodsprings - Phase I					Review Period From 02		
-					Review Pe	riod To	04/30/201	7
C	Design	GSP01B10						
Contract Numbers		Construction						
Total ILA Amount (Design and Construction All Phases)				s)	\$53,400			

DESIGN			Contract	Contract Number			
Description: Provide legal channel in Pacific Street and CCPW Goodsprings - Phase	Revere Street of						
Date of Original ILA			03/11/2010	Design ILA Amount		\$53,400	
Date of Most Recent Sup	04/13/2017	Design ILA Amount \$33,4					
Contract Manager: Joe Yatson Phone Number: 702-455-6082		Entity: Clar	k County Outlying	Consultant: CCPW			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Othe	
ILA Amount	\$0	\$25,400	\$500	\$27,500	\$0	\$0	
Percent Complete	0%	10%	0%	50%	0%	0%	
Scheduled Completion							
Dolov or Droblem Avene	/Decelution						

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Continued negotiation with property owner for rights-of-way.

Work to be Completed During Next Quarter: Continue negotiations with property owner.

PROJECT STATUS REPORT

Entity CI	ark County Outlying		Date Prepared	05/31/2017
Project Title: 9	R 163 at Casino Drive		Review Period From	02/01/2017
			Review Period To	04/30/2017
	Design	LAU04A08	•	
Contract Nu	Constructio	n		
Total ILA Amo	unt (Design and Cor	struction All Phases)	\$473,500	

DESIGN			Contract	Contract Number			
Description: This project of Drive, Harrahs Hotel to SR 1 storm drain. CCPW SR 163	63 project(R06	4L07) project.	The pipe will now b				
Date of Original ILA			10/09/2008	Decise TI A A		\$473,500	
Date of Most Recent Sup	06/09/2016	Design ILA Amount \$473,					
	ontract Manager: Roy Davis hone Number: 702-455-6075 Entity: Clark County Outly		County Outlying	Consultar	t: G.C. W	allace, Inc.	
	Predesign	Design	Environmental	Right-of- Way	LOMR	Othe	
ILA Amount	\$0	\$386,500	\$75,500	\$11,500	\$0	\$0	
Percent Complete	0%	90%	100%	100%	0%	0%	
Scheduled Completion		03/01/2017	03/01/2017	03/01/2017			

Delay or Problem Areas/Resolution: Determination of the high water mark must be made before the State of Nevada will grant right-of-occupancy. BOR issues

Work Completed During Current Quarter: Awaiting responses from stakeholders.

Work to be Completed During Next Quarter: Send additional correspondence requesting input from stakeholders. Proceed with final design.

PROJECT STATUS REPORT

Entity	Clark Cou	nty Outlying		Date Prepared	05/31/2017	
Project Title	: Muddy R	iver West Levee,	Moapa Valley	Review Period From	02/01/2017	
_				Review Period To	04/30/2017	
Contract Numbers	Design	MOA01B89				
Contract N	umpers	Construction	MOA01G11			
Total ILA An	nount (De	sign and Cons	truction All Phases)	\$29,294,909		

DESIGN			Contract	Number		MOA01B89
Description: Perform suffi acquisition for Muddy River downstream and upstream.	, Lewis to Coope	er. Concrete cha				
Date of Original ILA				Design ILA Amount		¢12 E01 000
Date of Most Recent Su	01/12/2017	Design ILA A	\$13,501,000			
Contract Manager: John Phone Number: 702-455	Entity: Clark County Outlying		Consultant: GC Wallace			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$2,418,500	\$137,000	\$10,843,200	\$35,500	\$66,800
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		06/15/2012	05/01/2011	09/06/2011		

Work Completed During Current Quarter: Design complete. GCW submitted to FEMA12.23.16.

Work to be Completed During Next Quarter: Complete LOMR.

CONSTRUCTION				Contra	act Num	ber		MOA	01G11
Project Name: Muddy Riv	ver, Cooper Street	t Bridge							
Date of Original ILA			10/	13/201	1 Cor	struc	tion ILA	¢15 70	702 000
Date of Most Recent Su	pplement to IL	A	04/	14/201	€ Am	Amount		\$15,793,	
Description: Project incluum upstream and downstream			e at Cooper St	reet with	rı concret	e and	rip rap cl	hannels exte	ending
Contract Managers Mathew Burke			Construction Mgr: Harris and Associates			Contractor: Meadow Valley Contractors, Inc.			
Interlocal Agreement	Construction	(Construction Mgmt		Environ	Environmental		Other	
Amount	\$14,150,635	4	1,643,274		\$0			\$0	
Scheduled Completion	Project Funde	ed E	Bids Open		Const S	tart		Const End	
Dates	11/10/2011		10/17/2013		03/03/2014		03/15/2015		
Bid Amount	\$13,696,359								
Delevier Dueblem Avens	/Decelutions								

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Substantial completion 06.29.15

Work to be Completed During Next Quarter: Complete construction. Close CM contract and pay final labor.

PROJECT STATUS REPORT

Entity	Clark Cou	nty Outlying		D	ate Prepa	red	05/31/2017	
Project Title	: Muddy R	iver Logandale L	evee	R	Review Period From			/2017
				R	eview Per	riod To	04/30)/2017
Combined N	termele a ma	Design	MOA01F10					
Contract Numbers	Construction	MOA01H15						
Total ILA An	nount (De	esign and Cons	truction All Phases)	\$8,	953,000			

DESIGN			Contract	Number		MOA01F10	
Description: Design of floo Levee. Completed project w CCPW Muddy River Loganda	ill remove flood	zone in Logano					
Date of Original ILA			03/11/2010				
Date of Most Recent Su	05/18/2017	Design ILA Amount \$1,75					
Contract Manager: John Catanese Phone Number: 702-455-6616		Entity: Clark County Outlying		Consultant: GC Wallace			
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$761,000	\$103,500	\$830,500	\$58,000	\$0	
Percent Complete	0%	100%	0%	0%	40%	0%	
Scheduled Completion		12/15/2014	12/15/2014	12/15/2014			

Work Completed During Current Quarter: Awarded bid.
Work to be Completed During Next Quarter: Construction support.

CONSTRUCTION			Contra	act i	Number		MOA01H15
Project Name: Muddy Riv	ver Logandale Levee						
Date of Original ILA			01/08/201	.5	Construction :	ILA	¢7 200 000
Date of Most Recent Su	pplement to ILA		03/09/201	.7	7 Amount		\$7,200,000
Description: MRLL 0001, 0 at Wells Siding and extending Avenue alignment. CCPW #	ng south along the eas						
Contract Manager: Robe Phone Number: 702-455		structiòn Mg	jr: CCPW			tractor: struction,	Trade West Inc.
Interlocal Agreement	Construction	Constructi	Construction Mgmt		/ironmental	Other	
Amount	\$6,800,000	\$400,000		\$0		\$0	
Scheduled Completion	Project Funded	Bids Open		Const Start		Const End	
Dates	01/08/2015	10/21/2016	10/21/2016		13/2017		
Bid Amount	\$6,731,520						
Delay or Problem Areas Work Completed During		LANTE					

PROJECT STATUS REPORT

Entity	Clark Cou	nty Outlying		Date Prepared	Date Prepared		
Project Title: Fairgrounds Detention Basin				Review Period	Review Period From Review Period To		
			Review Period				
Combus	at Normaliana	Design	MOA03A11			1	
Contract Number		Constructio	n				
Total ILA Amount (Design and Construction All Phases)				\$964,000			

DESIGN			Contrac	t Number		MOA03A11
Description: This project is County Fair Grounds and the						
Date of Original ILA	02/10/2011	Decies VIA	Design ILA Amount \$964,0			
Date of Most Recent Sup	02/11/2016	Design ILA	Amount	\$964,000		
Contract Manager: Roy E Phone Number: 702-455-	Entity: Clark	County Outlying	Consulta	Consultant: Louis Berger		
	Predesign	Design	Environmenta	Right-of- Way	LOMR	Other
ILA Amount	\$0	\$749,000	\$172,500	\$25,500	\$0	\$17,000
Percent Complete	0%	30%	0%	0%	0%	0%
Scheduled Completion		08/01/2017	08/01/2017	08/01/2017		

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: 30% design report submitted in August 2014. Work on environmental clearance on BLM to perform geotech work.

Work to be Completed During Next Quarter: Update design report from geotech analysis. Work on final design contract.

PROJECT STATUS REPORT

Entity C	lark Cour	nty Outlying		Date Prepared	05/31/2017
Project Title:	Searchlig	ht - South, En	Review Period Fro	om 02/01/2017	
			Review Period To	04/30/2017	
	mhana	Design	SEA03A09		
Contract Nu	mpers	Constructio	n		
Total ILA Amo	ount (De	sign and Cor	\$138,000		

DESIGN			Contract	Contract Number			
Description: This project of southeast side of the town.						sh on the	
Date of Original ILA	08/13/2009	Design ILA Amount \$138		£139.000			
Date of Most Recent Su	06/12/2014	Design ILA A	mount	\$138,000			
Contract Manager: Jinxin Xie Phone Number: 702-455-2986		Entity: Clark	County Outlying	ounty Outlying Consultant: CCI		N	
	Predesign	Design	Environmental	Right-of- Way	LOMR	Other	
ILA Amount	\$0	\$137,000	\$500	\$500	\$0	\$0	
Percent Complete	0%	90%	100%	100%	0%	0%	
Scheduled Completion		03/01/2017	04/21/2011	04/21/2011			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Obtained additional topo. Work on 90% design documents. Began contract with geotech engineer.

Work to be Completed During Next Quarter: Submit 90% design documents.

Entity	Regional Flood Control District	Date Prepared	05/08/2017	
Project Title: Master Plan Update for Las Vegas Valley		Review Period From	02/01/2017	
		Review Period To	04/30/2017	
Total Contract Amount		\$1,000,000		

PSA		Contract	Number	RFMPULVV16
Description: Update Master Plan for the	ne Las Vegas Valley			
Date of Latest Contract		09/08/2016	Estimated Total	\$0
Percent Complete	30%	Cost	\$0	
RFCD Contract Manager: Phone Number:		Consultant: Contact: Phone:		
Agency:	LOMR Case	#:	LOMR Type:	
LOMR Funding Amount: \$0	MPU	Funding: \$1,000,	000	
	Scheduled Co	mpletion Dates		
Start Date				
Received 90-Day Letter				
Received Comment Letter				
Response to Comment Letter				
Response to Comments to FEMA				
Submittal to FEMA				
FEMA Approval				
Affected Communities:				
ID Miles:				
Delay or Problem Areas/Resolution impervious.	n: Consultant direc	ted to perform add	ditional analysis on land	l use percent
Work Completed During Current Qupdated inventory of existing facilities;				elineations;
Work to be Completed During Nex Initial update to facility plan; Continue			n delineations; Update I	nydrologic analysis

Entity Regional Flood Control District			Date Prepared	05/15/2017
Project Title: Letter of Map Revision I-15 Corridor Cactus and			Review Period From	02/01/2017
Shelbourne	e		Review Period To	04/30/2017
Total Cor	ntract Amount	\$0		

PSA		Contra	ct Number	RFLOMRI1517
Description: LOMR for the I-15 Corridor be	tween Cactus	Ave. and Pebble	e Road	
Date of Latest Contract			Estimated Total	\$0
Percent Complete		50%	Cost	\$0
RFCD Contract Manager: Phone Number:		Consultant: Contact: Phone:		
Agency:	LOMR Case	#:	LOMR Type:	
LOMR Funding Amount: \$49,862	LOME	R Funding: \$0		
S	cheduled Co	mpletion Date	s	
Start Date				
Received 90-Day Letter				
Received Comment Letter				
Response to Comment Letter				
Response to Comments to FEMA				
Submittal to FEMA				
FEMA Approval				
Affected Communities:				
ID Miles:				
Delay or Problem Areas/Resolution:				
Work Completed During Current Quarte FEMA comments.	er:Received F	EMA comments	dated 4/4/2017, Consult	ant addressing
Work to be Completed During Next Qua	arter: Addres	s comments and	d submit responses to FE	MA.

Entity	Regional Flood Control District	Date Prepared	05/08/2017
Project Title: Master Plan Update City of Mesquite Town of Bunke		Review Period From	02/01/2017
		Review Period To	04/30/2017
Total Cor	ntract Amount \$325.	118	

Total Contract Amount		\$325,118		
PSA		Contract Nu	ımber	RFMPUBUNCOM16
Description: Update the flood control	Master Plans for the	e City of Mesquite	and the Town of Buni	kerville
Date of Latest Contract		12/08/2016	Estimated Total	\$0
Percent Complete		40%	Cost	\$ 0
RFCD Contract Manager: Phone Number:		Consultant: Contact: Phone:		
Agency:	LOMR Case	#:	LOMR Type	:
LOMR Funding Amount: \$0	MPU	Funding: \$325,11	18	
	Scheduled Cor	mpletion Dates		
Start Date				
Received 90-Day Letter				
Received Comment Letter				
Response to Comment Letter				
Response to Comments to FEMA				
Submittal to FEMA				
FEMA Approval				
Affected Communities:				
ID Miles:				
Delay or Problem Areas/Resolutio (Green-Ampt) consistent with other stu- of new analysis.				
Work Completed During Current Q analysis review, and update of hydrolog techniques for Mesquite and Bunkerville	gic analysis. Consult	ant performed cor	mparison of hydrologi	
Work to be Completed During Nex and sedimentation analysis; facility plar report preparation.				

REGIONAL FLOOD CONTROL DISTRICT PROJECT STATUS REPORT

ENTITY: REGIONAL FLOOD CONTROL DISTRICT

DATE PREPARED: May 9, 2017

REVIEW PERIOD FROM: Feb 1, 2017 TO April 30, 2017

PROJECT: 2017 Flood Safety Advertising Campaign

DESCRIPTION: Implement a flood safety awareness program to inform the public about the dangers of flash flooding.

PERCENT COMPLETE: 25%

ESTIMATED COST OF PROJECT: \$915,000 (consultant)

SCHEDULE FOR COMPLETION: The term of the consultant contract is a one year period from February 2017.

CONSULTANT/PROJECT MANAGER: R+P/Reece Markman

DELAYS OR PROBLEM AREAS:

There are no delays or problems at this time.

WORK COMPLETED DURING CURRENT PERIOD:

- Made presentations to CAC and Board for approval of advertising contract
- Worked on media plan toplines
- Worked on updates to app
- · Prepared invoices for deliverables
- Reconciled budget

WORK TO BE COMPLETED NEXT PERIOD:

- Prepare all 2017 Flash Flood Advertising creative and placement
- Make final updates to FloodSpot app
- Make upgrades to website: BeFloodSafe.Com

PROJECT MANAGER: Erin Neff

PHONE #: 685-0000

Project Status Report February 2017

Public Information Coordinator Beatriz Martinez gave presentations reaching 54 classes and 1,306 students at the following schools:

- Matt Kelley ES
- Forbuss ES
- Judith Steele ES
- Kit Carson ES
- Derfelt ES
- Stanford ES
- Jack Dailey ES
- Mendoza ES
- Frias ES
- Henderson International School
- Booker ES

Public Information Manager Erin Neff worked with consultant Robertson Partner for presentations to the CAC and Board.

Neff began weekly briefings with District management on legislative issues and began tracking key bills of interest to the District.

As of Feb. 28, the Flood District's Facebook page had 693 likes, the District's Twitter page had 1,706 followers and the FloodSpot application had 16,180 downloads.

Staff worked on The Flood Channel program.

Staff also did social media outreach during mid-February storms resulting in a Flash Flood Watch being issued in Clark County.

Project Status Report March 2017

Public Information Coordinator Beatriz Martinez gave presentations reaching 54 classes and 1,264 students at the following schools:

- Wendell Williams ES
- Waston ES
- Eva Simmons ES
- Wengert ES
- Piggott ES
- Stanford ES
- Las Vegas Day School
- Stanford ES
- Whitney ES
- Pat Diskin ES
- Lewis E. Rowe ES
- Detwiler ES

Public Information Manager Erin Neff attended the legislative hearing on AB100 – a contractor bill that could impact the District – and continued weekly briefings with management on legislative issues.

As of March 30, the Flood District's Facebook page had 690 likes, the District's Twitter page had 1,712 followers and the FloodSpot application had 16,140 downloads.

Staff worked on The Flood Channel program.

Martinez reinstituted the District's internal employee newsletter.

Project Status Report April 2017

Public Information Coordinator Beatriz Martinez gave presentations reaching 36 classes and 743 students at the following schools:

- Doris French ES
- Booker ES
- Eva Simmons ES
- Gene Ward ES
- Piggott ES
- Berkeley Bunker ES
- Dean Allen ES
- Mountain View ES

Public Information Manager Erin Neff continued weekly briefings with management on legislative issues, with continued work on AB100.

As of April 30, the Flood District's Facebook page had 692 likes, the District's Twitter page had 1,732 followers and the FloodSpot application had 16,128 downloads.

Staff worked on The Flood Channel program.

Martinez attended the Government Social Media Conference in Dallas.

Martinez reinstituted the District's internal employee newsletter and she won the District's March Madness contest for the second year in a row.

Neff served as a Team Captain for the municipal primary election April 4.

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

MAINTENANCE WORK PROGRAM FISCAL YEAR 2017-18 BUDGETS, PLANS AND INTERLOCAL CONTRACTS

RECOMMENDATION SUMMARY

STAFF:

Approve.

TECHNICAL ADVISORY:

Approve.

CITIZENS ADVISORY:

Approve.

RFCD AGENDA ITEM #08 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

MAINTENANCE WORK PROGRAM - FY 2017-18 BUDGETS, PLANS, AND INTERLOCAL CONTRACTS

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

APPROVE THE BUDGETS, PLANS, AND INTERLOCAL CONTRACTS FOR THE FISCAL YEAR 2017-18 MAINTENANCE WORK PROGRAM AND AUTHORIZE THE CHAIRMAN TO SIGN THE INTERLOCAL CONTRACTS (FOR POSSIBLE ACTION)

FISCAL IMPACT: \$12,426,050.00 - Funds are available in the FY 2017-18 budget.

BACKGROUND: Staff requested that each of the entities prepare their fiscal year 2017-18 Maintenance Work Program (MWP) plan and budget, and submit the interlocal contracts for approval by the Board. The interlocal contracts, along with an itemized listing of the facilities identified in each work plan, are attached for your review and approval. The following table provides a comparison of fiscal year 2017-18 budget requests with fiscal year 2016-17 approved budget amounts:

Entity	2000 7	FY 2016-17 Budget Request		FY 2017-18 dget Request	Percent Change	
Boulder City	\$	300,000.00	\$	300,000.00	0.0%	
Clark County	\$	4,363,700.00	\$	5,487,200.00	25.7%	
Henderson	\$	1,126,850.00	\$	1,761,550.00	56.3%	
Las Vegas	\$	2,625,000.00	\$	2,825,000.00	7.6%	
Mesquite	\$	627,700.00	\$	334,800.00	-46.7%	
North Las Vegas	\$	1,717,500.00	\$	1,717,500.00	0.0%	
Totals	\$	10,760,750.00	\$	12,426,050.00	15.5%	

Upon approval, the interlocal contracts will become effective July 1, 2017 and expire June 30, 2018. Requested funding amounts will be available July 1, 2017. At the end of fiscal year 2017-18, the remaining unencumbered balances for each entity may be reprogrammed for the MWP in subsequent fiscal years.

Respectfully submitted,

Steven C. Parrish, P.E.

General Manager/Chief Engineer

TAC AGENDA | RFCD AGENDA | ITEM #07 | ITEM # 08 | Date: 05/25/17 | Date: 06/08/17

CAC AGENDA ITEM #07

Date: 05/25/17

Regional Flood Control District AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 05/15/17

MAINTENANCE WORK PROGRAM - FY 2017-18 BUDGETS, PLANS, AND INTERLOCAL CONTRACTS

Staff requested that each of the entities prepare their fiscal year 2017-18 Maintenance Work Program (MWP) plan and budget, and submit the interlocal contracts for approval by the Board. The interlocal contracts, along with an itemized listing of the facilities identified in each work plan, are attached for your review and approval. The following table provides a comparison of fiscal year 2017-18 budget requests with fiscal year 2016-17 approved budget amounts:

Entity	FY 2016-17 Budget Request		FY 2017-18 Budget Request		Percent Change	
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Clark County	\$	4,363,700.00	\$	5,487,200.00	25.7%	
Henderson	\$	1,126,850.00	\$	1,761,550.00	56.3%	
Las Vegas	\$	2,625,000.00	\$	2,825,000.00	7.6%	
Mesquite	\$	627,700.00	\$	334,800.00	-46.7%	
North Las Vegas	\$	1,717,500.00	\$	1,717,500.00	0.0%	
Totals	\$	10,760,750.00	\$	12,426,050.00	15.5%	

Upon approval, the interlocal contracts will become effective July 1, 2017 and expire June 30, 2018. Requested funding amounts will be available July 1, 2017. At the end of fiscal year 2017-18, the remaining unencumbered balances for each entity may be reprogrammed for the MWP in subsequent fiscal years.

Staff Recommendation:	
Approve.	
Discussion by Technical Advisory Committee:	AGENDA
	#07 Date: 05/25/17
Recommendation:	*
Approve.	
Discussion by Citizens Advisory Committee:	AGENDA
	#07 Date: 05/25/17
	1
Recommendation:	
	
Approve.	
060817 MWP-nid	

CLARK COUNTY

REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

2017 -- 2018 ANNUAL MAINTENANCE WORK PROGRAM BUDGET FOR THE CITY OF BOULDER CITY

PETITIONER:

JIM KEANE, P.E., CITY ENGINEER CITY OF BOULDER CITY

RECOMMENDATION OF PETITIONER:

THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT APPROVE THE INTERLOCAL CONTRACT FOR BOULDER CITY'S 2017 - 2018 ANNUAL MAINTENANCE WORK PROGRAM. (FOR POSSIBLE ACTION)

FISCAL IMPACT:

The FY 2017 – 2018 Interlocal Contract is for \$300,000.00.

BACKGROUND:

This request will cover normal maintenance work provided by City staff and funding for contract work.

The locations of the facilities to be maintained and the work to be performed are described in the work program and are shown on Exhibit "A" of the proposed Interlocal Agreement.

Respectfully submitted,

Jim Keane, P.E., City Engineer

City of Boulder City, Nevada

TAC AGENDA ITEM # 07

Date: 05/25/17

CAC AGENDA **ITEM#** 07

Date: 05/25/17

RFCD AGENDA

ITEM # 08 Date: 06/08/17

|--|

INTERLOCAL CONTRACT ANNUAL MAINTENANCE WORK PROGRAM

THIS	CONT	RAC	T, made an	d entere	d into	this _	day of _		, 2	017	, by and
between the	CITY	OF	BOULDER	CITY,	a po	litical	subdivision	of the	State	of	Nevada,
hereinafter re	ferred t	o as	"CITY", an	d the CI	LARK	COUN	TY REGIO	NAL F	LOOD	CO	NTROL
DISTRICT, 1	nereinaf	ter re	ferred to as	"DISTR	UCT".						

WITNESSETH:

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve and fund projects to maintain flood control improvements; and

WHEREAS, pursuant to NRS 277.180 any one or more public agencies may contract with one or more other public agencies to perform any governmental service, activity or undertaking which any of the public agencies is authorized by law to perform; and

WHEREAS, the CITY desires to maintain flood control improvements within the CITY in accordance with the maintenance program set forth herein, and hereinafter referred to as "Project"; and

WHEREAS, the facilities upon which maintenance will be performed are facilities described in the DISTRICT'S Master Plan.

NOW, THEREFORE, in consideration of the covenants, conditions, agreements, and promises of the parties hereto, the DISTRICT authorizes the Project as it is mutually understood and agreed as follows:

SECTION I - SCOPE OF PROJECT

This Interlocal Contract applies to the maintenance of flood control facilities, which are identified in the DISTRICT'S Master Plan facilities including updates and amendments subsequently approved. The basic maintenance of the facilities will be in accordance with performance standards set forth in the current DISTRICT *Operations and Maintenance Manual*.

The Project is more specifically described in Exhibit "A" which is attached hereto and by this reference incorporated herein.

SECTION II - PROJECT COSTS

The DISTRICT agrees to make payment for Project costs within the limits specified below:

1. The Project costs shall not exceed \$300,000.

The amounts allocated to each individual facility within the Project must be specified in Exhibit "A". Any changes to said allocated amounts must be approved by the DISTRICT'S Chief Engineer in accordance with Section 4.24 of the DISTRICT *Operations and Maintenance Manual.*

A written request must be made to the DISTRICT and a Supplemental Interlocal Contract approved to increase the amount noted above prior to payment of any additional funds.

2. The CITY and DISTRICT will comply with Section 4.12 of the *Operations and Maintenance Manual*. In accordance with said manual the CITY shall submit invoices together with a detailed summary report of the maintenance service performed. The CITY shall submit an invoice voucher in the manner prescribed by the DISTRICT. The vouchers shall include such information as is necessary for the DISTRICT to determine the nature of all expenditures. Each voucher will clearly indicate that it is for services rendered in performance under this contract. Each voucher will also be accompanied by a written certification from the CITY stating that it is for performance of maintenance activities under this contract and is composed of completed elements set forth in the annual work program.

All invoices must be submitted for payment to:

Clark County Regional Flood Control District

Accounts Payable

600 S. Grand Central Parkway, Suite 300

Las Vegas, Nevada 89106-4511

Payment shall be considered timely if made by the DISTRICT within 30 days of receipt of the invoice. Pursuant to Section IV, Paragraph 8, the DISTRICT may, in its sole discretion, withhold payments to the CITY for services rendered if the CITY fails to satisfactorily comply with any term or condition of this contract and/or the DISTRICT *Operations and Maintenance Manual*.

SECTION III - PROJECT TIME

The CITY agrees to perform the Project to the satisfaction of the DISTRICT between July 1, 2017 and June 30, 2018. The DISTRICT may grant extensions or terminate this contract and require all sums advanced to the CITY to be repaid if the CITY fails to perform by said date.

SECTION IV - GENERAL

1. The CITY will complete the Project as set forth in Exhibit "A". The CITY staff personnel responsible for coordination of work under this contract are as listed below:

Scott P. Hansen, P.E.

Director of Public Works

It is understood that staff named above will be responsible for work coordination throughout the period of this contract unless the DISTRICT is informed in writing of changes in these personnel assignments.

- 2. The CITY will comply with the applicable provisions of the Local Government Purchasing Act, Chapter 332 and Public Works, Chapter 338, of the Nevada Revised Statutes.
- 3. Applicable portions of the current editions of the Operations and Maintenance Manual, Policies and Procedures Manual, Hydrologic Criteria and Drainage Design Manual, and Uniform Regulations for the Control of Drainage adopted by the DISTRICT will apply unless specifically superseded by this CONTRACT.
- 4. It is the intent of the DISTRICT that scheduling of maintenance and repair of drainage and flood control facilities in general and Master Plan Facilities specifically be coordinated among member entities. Therefore, in those cases where Master Plan approved, and DISTRICT-funded projects have regional flood control significance impacting more than one member entity, the CITY will allow all impacted member entities an opportunity to review the maintenance schedule in order to coordinate maintenance efforts.
- 5. The Chief Engineer or designee of the DISTRICT shall be responsible for monitoring the performance of the CITY, approval for payment of billings and expenses submitted by the CITY and the acceptance of any report provided by the CITY. The CITY shall be responsible for monitoring performance of CITY staff or private contractors.
- 6. Accurate documentation of all work performed and payments made shall be maintained by the CITY for a period of three (3) years in hard copy form after final project approval and payments. Following the three year period, the CITY shall keep records for permanent storage in original form, in microfilm/fiche media, or an electronic format in accordance with the CITY Record Retention Schedule.

- 7. The CITY shall provide right of access to its facilities to the DISTRICT or Chief Engineer at all reasonable times, in order to monitor and evaluate performance, compliance, and/or quality assurance under this contract.
- 8. In the event the CITY fails to perform the maintenance according to the standards specified in this contract and the DISTRICT *Operations and Maintenance Manual*, the DISTRICT may perform or cause to be performed the maintenance necessary to assure proper operation of the facility. Costs incurred by the DISTRICT shall be reimbursed by the CITY or be deducted from the amount authorized by this contract. The DISTRICT may not exercise this right without giving the CITY specific written notice of the maintenance required and allowing the CITY 60 days within which to perform said maintenance. The notice required by this provision must be sent to:

Scott P. Hansen, P.E.

Director of Public Works

- 9. The records of the CITY and/or private contractors pertaining to the subject matter of this contract shall at all reasonable times be subject to inspection and audit by the DISTRICT or an Agent of the DISTRICT.
- 10. If any provision of this contract shall be deemed in conflict with any statute or rule of law, such provision shall be deemed modified to be in conformance with said statute or rule of law.
- 11. The CITY, its employees, and representative shall at all times comply with all applicable laws, ordinances, statutes, rules, and regulations in effect at the time work is performed.
- 12. The CITY hereby agrees to reimburse the DISTRICT if funds are received from other sources for maintenance and repair of drainage and flood control facilities paid for by the DISTRICT.
- 13. The DISTRICT will not be responsible for any fines and/or penalties caused by the actions or inactions of CITY employees, consultants, contractors, or agents.
- 14. Any costs found to be improperly allocated to the Project will be refunded by the CITY to the DISTRICT.
- 15. It is specifically understood and agreed to by and between the parties hereto that it is not intended by any of the provisions of any part of this contract to create in the public or any

member thereof a third party beneficiary hereunder, or to authorize anyone not a party to this contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this contract.

- 16. Up to the limits set forth in NRS Chapter 41, the CITY will indemnify and defend the DISTRICT against and from any and all claims and demands of whatsoever nature which arises out of allegations of negligence or misconduct of CITY officers, employees or agents, related to or under this Contract which results from injury to or death of any persons whomsoever, or against and from damage to or loss or destruction of property.
- 17. This agreement shall be construed and interpreted in accordance with the laws of the State of Nevada.

|--|

Date of District Action:	REGIONAL FLOOD CONTROL DISTRICT
ATTEST:	BY:LAWRENCE L. BROWN, III Chairman
DEANNA HUGHES Secretary to the Board	
Approved as to Form:	
BY:	
*********	************
Date of Council Action:	CITY OF BOULDER CITY
ATTEST:	BY: Rodney Woodbury, Mayor
LORENE KRUMM, City Clerk	
Approved as to Form:	
BY:BY City Attorney	

IN WITNESS WHEREOF, the parties have caused this contract to be executed the day

and year first above written.

			MAINTENANCE WORK PLAN SUMMARY	
		3.0	FISCAL YEAR 2017-18	
Master Plan	Facility ID	MWP Facility Number	Facility Description	Cost
HMFL	0000	BC01	INSPECT AND CLEAN STORM SEWER LINE	\$1,000
HMKY	0000	-	INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
HMKY	0019		CLEAN AND RESHAPE CHANNEL, VEGETATION CONTROL	\$1,000
HMLM	0000		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,500
HMLM	0001	 	INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,500
HMLM	0002		INSPECT AND CLEAN STORM SEWER LINE	\$750
HMLM	0002	-	INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
HMLM	0025		INSPECT AND CLEAN STORM SEWER LINE	\$1,000
HMLM	0027		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
HMLM	0040	 	INSPECT AND CLEAN STORM SEWER LINE	\$1,000
HMLM	0044		INSPECT AND CLEAN STORM SEWER LINE	\$1,000
HMLM	0064		INSPECT AND CLEAN STORM SEWER LINE	\$1,000
HMLM	0065		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
HMLM	0066		INSPECT AND CLEAN STORM SEWER LINE	\$750
HMLM	0000		INSPECT AND CLEAN STORM SEWER LINE INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$500
HMLM	0077		INSPECT BASIN, CLEAN, VEGETATION CONTROL	3300
115/11/14	0000		INLET/OUTLET STRUCTURES	\$1,000
HMLM HMLM	0080			\$1,000
HMLM	0081		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL INSPECT AND CLEAN STORM SEWER LINE	\$1,500
HMLM	0082		INSPECT AND CLEAN STORM SEWER LINE INSPECT BASIN, CLEAN, VEGETATION CONTROL, REPAIR	31,300
111.41.14	0005	1		61,000
HMLM HMLM	0085		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000 \$40,350
-			INSPECT AND CLEAN STORM SEWER LINE	9444
HMLV	0000			\$1,000
HMLV	0001		INSPECT RCB, CLEAN, VEGETATION CONTROL	\$1,500
HMLV	0003	-	INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
LINAL V	000€		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, MAINTAIN EROSION CONTROL	\$1,000
HMLV HMLV	0005	-	INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
HMLV	0006		REPAIR CONCRETE CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
******	0010		REPAIR CONCRETE CHANNEL, CLEAN, VEGETATION CONTROL	C1 600
HMLV	0018		INSPECT CHANNEL CLEAN VECETATION CONTROL	\$1,500 \$5,000
HMLV	0019 0031		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL INSPECT AND CLEAN STORM SEWER LINE	\$5,000
HMLV	0055			\$500
HMLV		-	INSPECT AND CLEAN STORM SEWER LINE	\$500
HMLV	0060		INSPECT AND CLEAN STORM SEWER LINE	
HMLV	0065		INSPECT AND CLEAN STORM SEWER LINE INSPECT AND CLEAN STORM SEWER LINE	\$500 \$500
HMNH	0000			
HMNH	0001		INSPECT AND CLEAN STORM SEWER LINE	\$500 \$500
HMPC	0000	 	INSPECT AND CLEAN STORM SEWER LINE	
HMPC	0011		INSPECT AND CLEAN STORM SEWER LINE	\$500
HMPC	0018		INSPECT AND CLEAN STORM SEWER LINE	\$500
HMPC	0026		INSPECT CHANNEL, CLEAN AND RESHAPE CHANNEL	\$1,000
HMRB	0000		INSPECT CHANNEL, CLEAN AND RESHAPE CHANNEL	\$1,000
			CLEAN AND INSPECT, VEGETATION CONTROL, INSPECT	61.000
HMTH	0000		OUTLETS, DEBRIS REMOVAL, RESHAPE CHANNEL	\$1,000
			INSPECT BASIN, CLEAN, VEGETATION CONTROL, REPAIR	
HMTH	0025		INLET/OUTLET STRUCTURES	\$1,000
HMTH	0026		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$7,000
HMTH	0027	-	INSPECT AND CLEAN STORM SEWER LINE	\$1,000
		100	INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, DUST	
HMTH	0033		CONTROL	\$500
	34/20		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, DUST	
HMTH	0034		CONTROL	\$500
HMTH	0040		CLEAN CULVERT	\$1,000
НМТН	0041		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
HMTH	0054		INSPECT BERM, EROSION REPAIR, DUST CONTROL	\$1,000

			CITY OF BOULDER CITY, NEVADA MAINTENANCE WORK PLAN SUMMARY	
			FISCAL YEAR 2017-18	
Master Plan F	acility ID	MWP Facility Number	Facility Description	Cost
HMTH	0064		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
			INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, MAINTAIN	
НМТН	0076		ACCESS ROAD	\$5,500.
HMVL	0000	-	CLEAN, INSPECT DETENTION BASIN, VEGETATION CONTROL	\$1,500.
HMVL	0001	-	CLEAN AND INSPECT OUTLET STRUCTURE	\$500.
HMVL	0002	-	INSPECT AND CLEAN STORM SEWER LINE CLEAN, INSPECT, EROSION REPAIR, EROSION CONTROL	\$500 \$500
HMVL HMVL	0003	-	CLEAN, INSPECT, EROSION REPAIR, EROSION CONTROL	\$500
HMVL	0015		INSPECT AND CLEAN STORM SEWER LINE	\$500
HMVL	0022	1	INSPECT AND CLEAN STORM SEWER LINE	\$500
HMVL	0027	-	INSPECT AND CLEAN STORM SEWER LINE	\$500.
HMVL	0028		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$500.
HMVL	0030		CLEAN, INSPECT, EROSION REPAIR, EROSION CONTROL	\$500.
HMVL	0041		INSPECT AND CLEAN STORM SEWER LINE	\$500
HMVL	0042		INSPECT AND CLEAN STORM SEWER LINE	\$500
HMVL	0058		CLEAN, INSPECT, EROSION REPAIR, EROSION CONTROL	\$500
			CLEAN, INSPECT, EROSION REPAIR, EROSION CONTROL,	
HMVL	0064	1	MAINTAIN ACCESS ROAD, FENCE REPAIR	\$3,150.
HMVL	0065		CLEAN AND INSPECT OUTLET STRUCTURE	\$500
HMVL	0066		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$500
HMVL	0074		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$500
			CLEAN, INSPECT, EROSION REPAIR, EROSION CONTROL,	
HMVL	0088		MAINTAIN ACCESS ROAD	\$1,500
			CLEAN AND INSPECT OUTLET STRUCTURE, MAINTAIN ACCESS	
HMWA	0000		ROAD, ENGINEERING	\$3,000.
HMWA	0004		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,500.
HMWA	0005		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
HMWA	0012		CLEAN BRIDGE	\$1,000
		3137)	INSPECT CHANNEL, CLEAN, VEGETATION CONTROL. REPAIR	
HMWA	0013		LINED CHANNEL, ENGINEERING	\$5,000
HMWA	0068		CLEAN BRIDGE	\$1,000
			INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR	
HMWA	0069		LINED CHANNEL, ENGINEERING	\$5,000
HMWA	0103		CLEAN BRIDGE	\$1,000
			INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR	rights consider
HMWA	0104		LINED CHANNEL	\$1,000
	12/2/2/2/		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR	
HMWA	0105		LINED CHANNEL	\$1,000
HMWA	0126		CLEAN CULVERT	\$1,000
			INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR	#1.000
HMWA	0127		LINED CHANNEL	\$1,000
HMWA	0147	-	CLEAN CULVERT	\$500
HMWA	0148		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
HMWA	0154		CLEAN RCB	\$500.
HMWA	0155 0156		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	000,12
HMWA			INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
HMWA	0157		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR	\$1,000.
LINANIA	0158		INLET/OUTLET STRUCTURES	\$1,000
HMWA	0160		INSPECT AND CLEAN STORM SEWER LINE	\$1,000
HMWA	0100		INSPECT AND CLEAN STORM SEWER LINE INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR	\$300
LIMANA	0161		LINED CHANNEL	\$500.
HMWA HMWA	0172		CLEAN CULVERT	\$500. \$500.
TIMWA	0174		INSPECT BASIN, CLEAN, VEGETATION CONTROL, REPAIR	\$300.
			INSTITUTE DASIN, CLEAN, VEGETATION CONTROL, REPAIR	

			MAINTENANCE WORK PLAN SUMMARY	
			FISCAL YEAR 2017-18	
Master Plan	Facility ID	MWP Facility Number	Facility Description	Cost
HMWA	0175		CLEAN RCB	\$500.
HMWA	0176		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000.
HMWA	0178		INSPECT AND CLEAN STORM SEWER LINE	\$1,000
HMWA	0181		INSPECT AND CLEAN STORM SEWER LINE	\$1,000
HMWA	0182		CLEAN RCB	\$1,000
HMWA	0184		INSPECT AND CLEAN STORM SEWER LINE	\$1,000.
HMWA	0185		INSPECT AND CLEAN STORM SEWER LINE	\$1,000
		2002	BC01 - SUBTOTAL	\$150,000.
	***************************************	BC02	INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, MAINTAIN	
GBAP	0000	1	EROSION CONTROL	\$3,500
GDM	0000		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, MAINTAIN	\$3,500
GBAP	1000		EROSION CONTROL	\$1,000
GBAP	0047		CLEAN/FLUSH CULVERT	\$750
GBAP	0048		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,500
GBAP	0049		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$2,500
GBAP	0087		INSPECT AND CLEAN STORM SEWER LINE	\$500
GBAP	0114		INSPECT AND CLEAN STORM SEWER LINE	\$500
GBBC	0001		INSPECT AND CLEAN STORM SEWER LINE, EROSION REPAIR	\$1,000
GBBC	0002		INSPECT AND CLEAN STORM SEWER LINE	\$1,000
GBBC	0003		INSPECT AND CLEAN STORM SEWER LINE	\$1,000
GBBC	0030		CLEAN/FLUSH BRIDGE	\$750
GBBC	0031	-	INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$2,500
GBBC	0047		CLEAN/FLUSH BRIDGE	\$750
GBBC	0048		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,500
GBBC	0062		CLEAN/FLUSH CULVERT	\$750
0000	0002		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR	
GBBC	0063		LINED CHANNEL, ENGINEERING	\$4,500
GBBC	0108		CLEAN/FLUSH CULVERT	\$750
THE PERSON NAMED IN			INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR	500
GBBC	0109		LINED CHANNEL, ENGINEERING	\$5,500
GBBC	0110		CLEAN/FLUSH CULVERT	\$500
GBBC	0146		CLEAN/FLUSH CULVERT	\$750
GBBC	0148		CLEAN/FLUSH CULVERT	\$750
GBBC	0149		CLEAN/FLUSH CULVERT	\$500
GBBC	0150		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,500
GBBC	0151		INSPECT AND CLEAN STORM SEWER LINE	\$500
GBBC	0152		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$2,000
GBBC	0153		INSPECT AND CLEAN STORM SEWER LINE	\$1,000
GBBC	0155		INSPECT AND CLEAN STORM SEWER LINE	\$1,000
GBBC	0172		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,000
GBCM	0000		INSPECT AND CLEAN STORM SEWER LINE	\$500
GBCM	0004		INSPECT AND CLEAN STORM SEWER LINE	\$500
GBCM	0011		INSPECT AND CLEAN STORM SEWER LINE	\$500
GBGR	0000		INSPECT AND CLEAN STORM SEWER LINE, EROSION REPAIR	\$2,000
GBGR	0001		CLEAN/FLUSH CULVERT	\$2,500
	2-11-11		CLEAN AND INSPECT, VEGETATION CONTROL, INSPECT	
			OUTLETS, DUST CONTROL, DEBRIS REMOVAL, RESHAPE	
GBGR	0002		CHANNEL, MAINTAIN ACCESS ROAD, ENGINEERING	\$24,350
			CLEAN AND INSPECT INLET/OUTLET STRUCTURES, MAINTAIN	
GBGR	0036		EROSION CONTROL	\$2,500
			INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR	
GBGR	0040		LINED CHANNEL, FENCE REPAIR, ENGINEERING	\$2,500
			INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR	1
GBGR	0100		LINED CHANNEL, ENGINEERING	\$2,500

			CITY OF BOULDER CITY, NEVADA MAINTENANCE WORK PLAN SUMMARY	
		- N	FISCAL YEAR 2017-18	
		MWP Facility	TISCAL TEAR 2017-16	r
Master Plan	Facility ID	Number	Facility Description	Cost
GBGR	0111		CLEAN/FLUSH CULVERT, REPAIR INLET/OUTLET STRUCTURE, ENGINEERING	\$2,000.0
GBGR	0112	1	INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR LINED CHANNEL, ENGINEERING	\$2,500.0
GBGR	0130		CLEAN/FLUSH BRIDGE	\$750.0
	1112		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL, REPAIR	
GBGR	0131		LINED CHANNEL, FENCE REPAIR, ENGINEERING	\$2,500.0
GBGR	0188		INSPECT AND CLEAN STORM SEWER LINE	\$500.0
GBGR GBGR	0203 0215		INSPECT AND CLEAN STORM SEWER LINE INSPECT AND CLEAN STORM SEWER LINE	\$500.0
GBGR	0217	-	INSPECT AND CLEAN STORM SEWER LINE	\$500.0 \$500.0
ODUK	0217		BC02 - SUBTOTAL	\$87,350.0
		BC03	2002 000.01112	007,000
NRBL	0000		INSPECT AND CLEAN STORM SEWER LINE	\$500.0
			CLEAN AND INSPECT DETENTION BASIN, MAINTAIN ACCESS	
NRBL	0091		ROAD, DUST CONTROL, EROSION CONTROL	\$12,800.0
NRBL	0092		CLEAN AND INSPECT OUTLET STRUCTURE, MAINTAIN EROSION CONTROL	\$500 0
NRBL	0093		INSPECT AND CLEAN STORM SEWER LINE	\$500.0
NRBL	0094		INSPECT BERM, EROSION REPAIR	\$500.0
NRBL	0095		CLEAN CULVERT	\$500.0
NRBL	0096		INSPECT AND CLEAN STORM SEWER LINE	\$500
NRCN	0000		INSPECT AND CLEAN STORM SEWER LINE	\$500.0
NRIN	0000		CLEAN AND INSPECT DETENTION BASIN, MAINTAIN ACCESS ROAD, DUST CONTROL, EROSION CONTROL	\$3,350 (
NRIN	0003		CLEAN AND INSPECT OUTLET STRUCTURE, MAINTAIN EROSION CONTROL	\$1,000.0
NRIN	0004		INSPECT AND CLEAN STORM SEWER LINE	\$500.0
NRIN	0013		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$1,200.0
NRIN	0017		INSPECT AND CLEAN STORM SEWER LINE	\$500.
NRIN	0025		INSPECT CHANNEL, CLEAN AND RESHAPE CHANNEL	\$2,000.0
NRIN	0032		CLEAN CULVERT CLEAN CULVERT	\$500.0
NRIN	0038		CLEAN CULVERT	\$1,000.0
NRIN	0040		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$500.0
NRIN NRIN	0044		INSPECT CHANNEL, CLEAN AND RESHAPE CHANNEL INSPECT AND CLEAN STORM SEWER LINE	\$500.0 \$500.0
NRIN	0053		INSPECT AND CLEAN STORM SEWER LINE INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$500.0
NRIN	0055		INSPECT AND CLEAN STORM SEWER LINE	\$500.0
NRIN	0056		INSPECT AND CLEAN STORM SEWER LINE	\$500.0
NRIN	0063		CLEAN CULVERT	\$500
NRIN	0064		INSPECT AND CLEAN STORM SEWER LINE	\$500.0
NRIN	0065		CLEAN CULVERT CLEAN CULVERT	\$750.0
			CLEAN AND INSPECT DETENTION BASIN, MAINTAIN ACCESS	
NRIN	0066		ROAD, DUST CONTROL, EROSION CONTROL	\$250.0
NRIN NRIN	0067		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL INSPECT AND CLEAN STORM SEWER LINE	\$250 0 \$500 0
NRIN	0069		INSPECT AND CLEAN STORM SEWER LINE	\$500.0
NRIN	0070		CLEAN CULVERT	\$500.0
NRIN	0071		INSPECT AND CLEAN STORM SEWER LINE	\$500.0
NRIN	0087		INSPECT BERM, EROSION REPAIR	\$800.0
NRIN	0135		INSPECT AND CLEAN STORM SEWER LINE	\$500 (
NRRR	0000		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$250.0
NRRR	0049		CLEAN CULVERT	\$250 (
NRRR	0050		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$250 0
NRRR	0070		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$750.0
NRRR	0089		INSPECT CHANNEL, CLEAN, VEGETATION CONTROL	\$250.0

			CITY OF BOULDER CITY, NEVADA MAINTENANCE WORK PLAN SUMMARY	
***	3400		FISCAL YEAR 2017-18	
Master Plan F	acility ID	MWP Facility Number	Facility Description	Cost
			BC03 - SUBTOTAL	\$36,650
			INSPECT, CLEAN, REPAIR CHANNEL, VEGETATION CONTROL,	
WAAD	0000		INLET/OUTLET STRUCTURES	\$6,660
WAAD	0043		CLEAN CULVERT	\$1,625
WAAD	0046		INSPECT AND CLEAN CHANNEL	\$2,000
WAAD	0063		CLEAN CULVERT	\$1,625
WAAD	0064		INSPECT AND CLEAN STORM SEWER LINE	\$385
WAAD	0085		CLEAN CULVERT	\$1,625
WAAD	0086		INSPECT AND CLEAN STORM SEWER LINE	\$385
WAAD	0094		INSPECT AND CLEAN STORM SEWER LINE	\$385
WAAD	0106		INSPECT AND CLEAN STORM SEWER LINE	\$385
WAAD	0122		INSPECT AND CLEAN STORM SEWER LINE	\$385
WAAP	0035		CLEAN CULVERT	\$0
WAAP	0111		INSPECT, CLEAN, VEGETATION CONTROL, FENCE REPAIR	\$500
			INSPECT CHANNEL, CLEAN AND RESHAPE CHANNEL MAINTAIN	
WAAP	0171		EROSION CONTROL	\$2,000
WABB	0071		INSPECT, CLEAN, VEGETATION CONTROL	\$0
WADD	0167		INSPECT AND CLEAN STORM SEWER LINE	\$385
WAGN	0000		INSPECT, CLEAN, VEGETATION CONTROL	\$2,650
WAGN	0015		INSPECT AND CLEAN STORM SEWER LINE	\$385
WAGN	0020		CLEAN CULVERT	\$1,600
WAGR	0000		INSPECT, CLEAN CHANNEL, VEGETATION CONTROL	\$2,250
WAGR	0034		INSPECT AND CLEAN STORM SEWER LINE	\$385
WARM	0000		INSPECT AND CLEAN STORM SEWER LINE	\$385
			BC04 - SUBTOTAL	S26,000
			TOTAL	\$300,000

Jim Keane, P.E., City Engineer
Project Manager

March 6, 2017 Date

Entity: City of Boulder City MWP Facility # BC01 Date Prepared: March 1, 2017 Facility Name: Hemenway Watershed MP Facility ID: HMFL - 0000, HMKY - 0000, 0019, HMLM - 0000, 0001, 0002, 0003, 0025, 0027, 0040, 0044. 0064, 0065, 0066, 0077, 0080, 0081, 0082, 0085, 0096, HMLV - 0000, 0001, 0003, 0005, 0006, 0018, 0019, 0031, 0055, 0060, 0065, HMNH - 0000, 0001, HMPC - 0000, 0011, 0018, 0026, HMRB - 0000, HMTH - 0000, 0025, 0026, 0027, 0033, 0034, 0040, 0041, 0054, 0064, 0076, HMVL - 0000, 0001, 0002, 0003, 0004, 0015, 0022, 0027, 0028, 0030, 0041, 0042, 0058, 0064, 0065, 0066, 0074, 0088, HMWA - 0000, 0004, 0005, 0012, 0013, 0068, 0069, 0103, 0104, 0105, 0126, 0127, 0147, 0148, 0154, 0155, 0156, 0157, 0158, 0160, 0161, 0172, 0173, 0175, 0176, 0178, 0181, 0182, 0184, 0185 Scheduled Force Requested Work Amended Work Percent Account/ Activity Completion Plan Amount (\$) Plan Amount (\$) Complete Contract Date \$500,00 3 Facility Assessment and Inventory June-18 500.00 June-18 5 Inspect Channels 500.00 6 Inspect Levees/Detention and Debris Basins June-18 June-18 0.00 8 Species Survey and Removal 5,000.00 10 Clean and Reshape Channels/Levees June-18 2,000 00 June-18 15 Repair Lined Channel 1,300.00 20 Erosion Control and Repair June-18 500.00 June-18 21 Provide/Maintain Dust Control 25 Clean Detention Debris Basins 5,000.00 June-18 1,000.00 June-18 35 Fence Repair 3,000.00 June-18 40 Vegetation Control - Chemical 69,000 00 45 Vegetation Control - Mechanical June-18 50 Maintain Access Road 2,000.00 June-18 June-18 55 Clean & Inspect Inlet/Outlet Structures 2.500 00 June-18 60 Repair Inlet/Outlet Structures 1,200.00 65 Clean Storm Sewer Lines 500.00 June-18 70 Storm Sewer Repair 0.00 June-18 500.00 75 Clean/Flush Culverts & Bridges June-18 80 Miscellaneous Work Activities 50,000.00 June-18 85 Engineering 5,000 00 June-18 TOTALS \$150,000.00 \$0.00 June-18 Delays or problem areas:

Work completed during prior fiscal year: Inspection, erosion repair and reshaping of unlined channels, vegetation control, cleaning of concrete channels and outlet structures. Pacifica energy dissipator cleaning and reshaping. Paid State Dam Safety Storage fees, Inspected basins with State Dam Safety. Worked on maintenance items identified by State Dam Safety. Work to be completed during current fiscal year: Perform bridge inspections and work any items identified. Clean and repair fences and signs, erosion control, reshaping of unlined channels, replace broken concrete sections in channels. Weed control and removal. Cleaning of channels and outlet structures. Pay State Dam Safety Storage fees. Begin Hemenway Channel mainteance access road construction.

Consultant/ Contractor: Project Manager

Im Keane, P.E., City Engineer

Leave

Phone Number: (702)293-9200

MWP Facility #: BC02

Entity: City of Boulder City

Facility Name: Georgia/Buchanan Watershed

Date Prepared: March 1, 2017

MP Facility ID: GBAP - 0000, 0001, 0047, 0048, 0049, 0087, 0114, GBBC - 0001, 0002, 0003, 0030, 0031, 0047, 0048, 0062, 0063, 0108, 0109, 0110, 0146, 0148, 0149, 0150, 0151, 0152, 0153, 0155, 0172, GBCM -0000, 0004, 0011, GBGR - 0000, 0001, 0002, 0036, 0040, 0100,

0111, 0112, 0130, 0131, 0188, 0203, 0215, 0217

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$350.00			June-18
	5 Inspect Channels	500.00			June-18
	6 Inspect Levees/Detention and Debris Basins	0.00			June-18
	8 Species Survey and Removal	0.00			June-18
	10 Clean and Reshape Channels/Levees	20,000.00			June-18
	15 Repair Lined Channel	12,000.00			June-18
DE KE	20 Erosion Control and Repair	15,000.00			June-18
	21 Provide/Maintain Dust Control	1,000 00			June-18
F. T. July	25 Clean Detention Debris Basins	0.00			June-18
	35 Fence Repair	2,000.00		F 8 V8/11	June-18
E T 21	40 Vegetation Control - Chemical	3,000.00		5 121	June-18
	45 Vegetation Control - Mechanical	11,000 00	7 / 7		June-18
	50 Maintain Access Road	500.00			June-18
	55 Clean & Inspect Inlet/Outlet Structures	5,000.00			June-18
	60 Repair Inlet/Outlet Structures	6,000.00			June-18
	65 Clean Storm Sewer Lines	1,000.00			June-18
	70 Storm Sewer Repair	2,000.00			June-18
	75 Clean/Flush Culverts & Bridges	3,000 00			June-18
	80 Miscellaneous Work Activities	3,000 00			June-18
	85 Engineering	2,000.00			June-18
	TOTALS	\$87,350.00	\$0.00		June-18

Delays or problem areas:

Work completed during prior fiscal year: Cleaned and inspected channels and culverts. Erosion repair and channel reshaping at the outlet of the Georgia Channel. Concrete panel replacements in the Georgia Channel. Replaced the cover plates for the underdrains on the Georgia Channel at Fairway Drive.

Work to be completed during current fiscal year: Clean and inspect channels and culverts. Reshape channel, replace broken concrete panels in channels, inspect and clean structures and repair as necessary. Inspect fences and signs and replace as necessary. Repair and maintain access road that is adjacent to the Georgia Channel. Seal fill and seal cracks identified in last bridge inspection

Consultant/ Contractor Project Manager

Im Keane, P.E., City Engineer

Phone Number: (702)293-9200

MWP Facility #: BC03

Entity: City of Boulder City

Calcadadad

Facility Name: North Railroad Watershed

Date Prepared: March 1, 2017

MP Facility ID: NRBL - 0000, 0091, 0092, 0093, 0094, 0095, 0096, NRCN - 0000, NRIN - 0000, 0003, 0004, 0013, 0017, 0025,0032, 0038, 0040, 0044, 0052, 0053, 0055, 0056, 0063, 0064, 0065, 0066, 0067, 0068, 0069, 0070, 0071, 0087, 0135, NRRR 0000, 0049, 0050, 0070,

0089

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)		Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$100.00			June-18
	5 Inspect Channels	100.00			June-18
	6 Inspect Levees/Detention and Debris Basins	100.00		1	June-18
	8 Species Survey and Removal	0.00			June-18
	10 Clean and Reshape Channels/Levees	1,500.00			June-18
	15 Repair Lined Channel	100.00			June-18
	20 Erosion Control and Repair	5,000.00		1000	June-18
	21 Provide/Maintain Dust Control	100.00			June-18
	25 Clean Detention Debris Basins	15,000.00			June-18
U17	35 Fence Repair	150.00			June-18
	40 Vegetation Control - Chemical	1,000.00			June-18
	45 Vegetation Control - Mechanical	5,000.00			June-18
	50 Maintain Access Road	500.00			June-18
	55 Clean & Inspect Inlet/Outlet Structures	1,000.00			June-18
	60 Repair Inlet/Outlet Structures	500.00		200	June-18
	65 Clean Storm Sewer Lines	500.00		HUS	June-18
	70 Storm Sewer Repair	0.00			June-18
	75 Clean/Flush Culverts & Bridges	500,00			June-18
	80 Miscellaneous Work Activities	5,000.00			June-18
	85 Engineering	500.00		150	June-18
	TOTALS	\$36,650.00	\$0.00		June-18

Delays or problem areas:

Work completed during prior fiscal year: Cleaning and inspection of existing facilities. Erosion repairs and placing fill material in over deep end of the Bootleg Canyon Detention Basin. Fence inspection and repairs. Paid State Dam Safety Storage fees.

Work to be completed during current fiscal year: Clean and inspect facilities, repair and regrade eroded areas, clean outlet structures, repair fences as needed. Clean confluence structure at Veterans Memorial Drive. Continue fill placement in Bootleg Canvon Detention Basin as fill becomes available. Pay State Dam Safety Storage fees.

Consultant/ Contractor Project Manager:

om Keane, P.E., City Engineer

Phone Number: (702)293-9200

MWP Facility # BC04 Entity: City of Boulder City

Facility Name: West Airport Watershed Date Prepared: March 1, 2017

MP Facility ID: WAAD - 0000, 0043, 0046, 0063, 0064, 0085, 0086, 0094, 0106, 0122, WAAP - 0035, 0111, 0171, WABB - 0071, WADD - 0167, WAGN - 0000, 0015, 0020, WAGR - 0000, 0034, WARM - 0000

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)		Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$500.00			June-18
	5 Inspect Channels	500.00			June-18
	6 Inspect Levees/Detention and Debris Basins	0.00			June-18
	8 Species Survey and Removal	0.00			June-18
	10 Clean and Reshape Channels/Levees	500.00			June-18
	15 Repair Lined Channel	500.00			June-18
Tana s	20 Erosion Control and Repair	5,000.00			June-18
	21 Provide/Maintain Dust Control	500.00		in the	June-18
	25 Clean Detention Debris Basins	500.00			June-18
	35 Fence Repair	500.00			June-18
	40 Vegetation Control - Chemical	5,000.00			June-18
	45 Vegetation Control - Mechanical	6,500.00			June-18
15-11-17	50 Maintain Access Road	1,000.00			June-18
	55 Clean & Inspect Inlet/Outlet Structures	1,000.00			June-18
in the	60 Repair Inlet/Outlet Structures	1,000.00			June-18
	65 Clean Storm Sewer Lines	0.00			June-18
	70 Storm Sewer Repair	0.00		7 7 3	June-18
17 17	75 Clean/Flush Culverts & Bridges	1,000.00			June-18
	80 Miscellaneous Work Activities	1,000.00		100	June-18
	85 Engineering	1,000.00			June-18
	TOTALS	\$26,000.00	\$0.00		June-18

Delays or problem areas:

Work completed during prior fiscal year: Inspection, erosion repair and reshaping of unlined channels, vegetation control, cleaning of concrete channels and outlet structures. Energy dissipator cleaning. Graded and sod replaced in the grass lined channel.

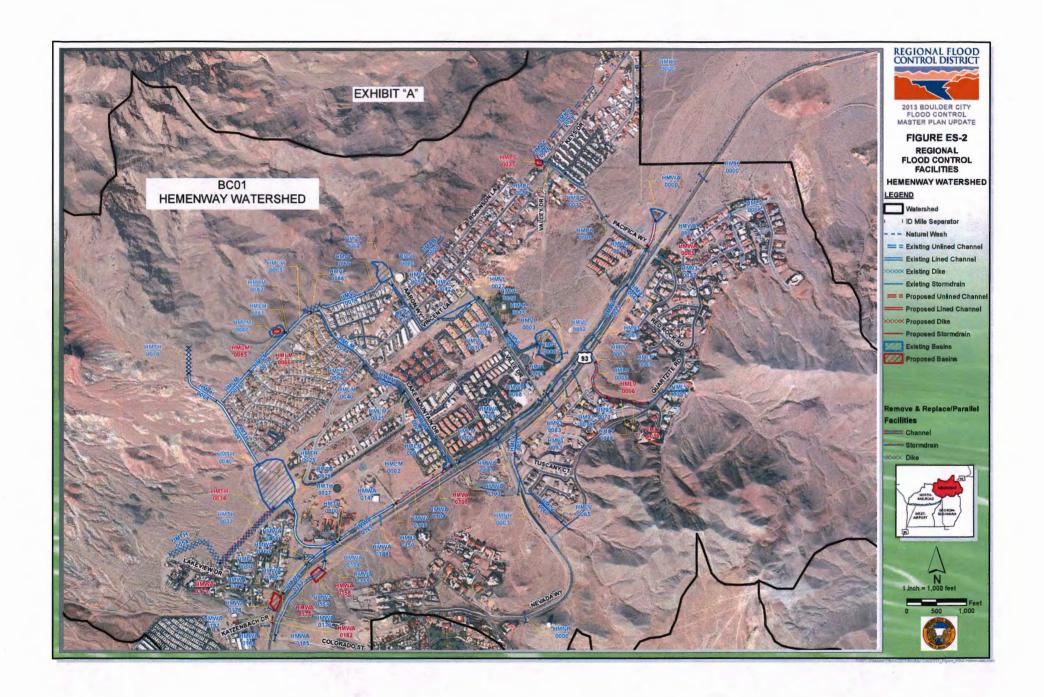
Work to be completed during current fiscal year: Clean and repair fences and signs, erosion control, reshaping of unlined channels, replace broken concrete sections in channels as needed. Weed control and removal. Cleaning of channels, outlet structures and energy dissipator.

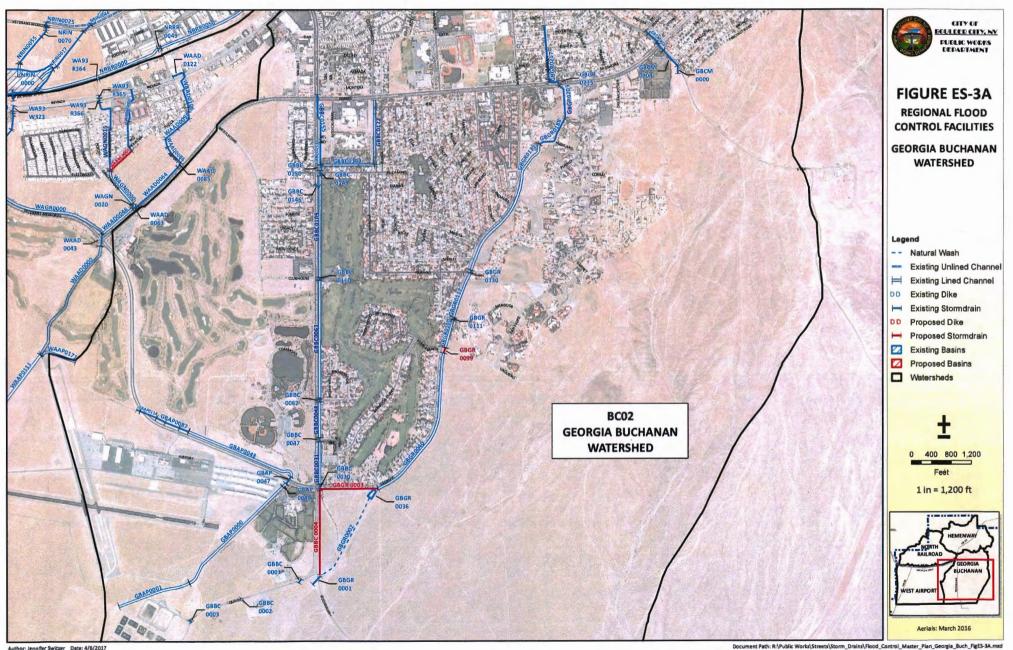
Consultant/ Contractor: Project

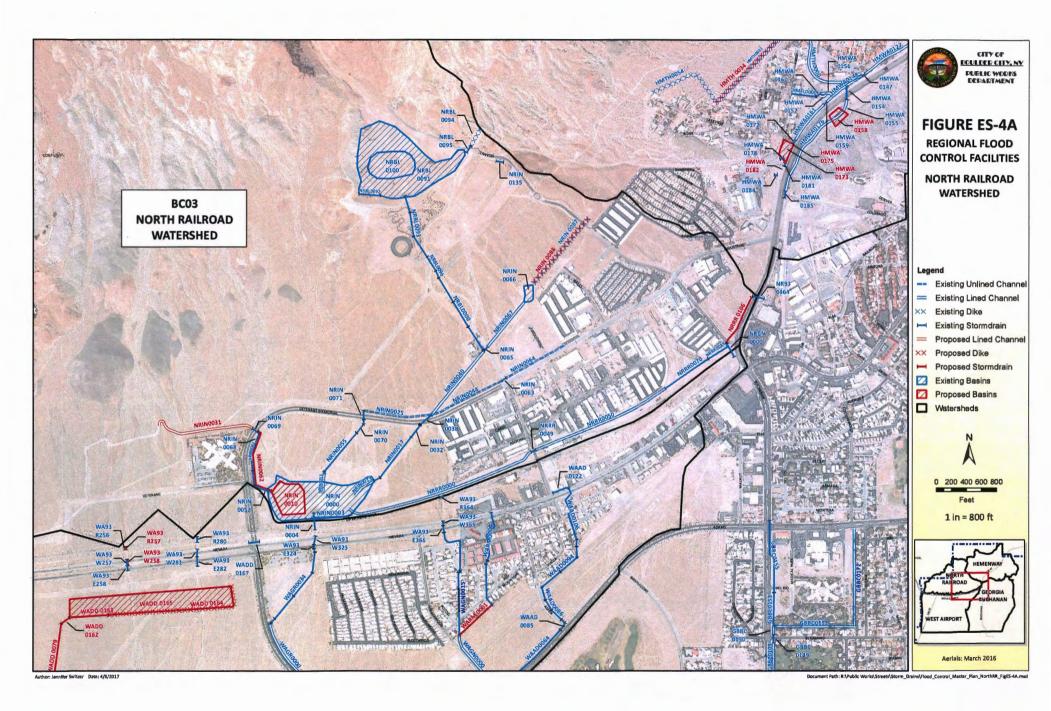
Manager:

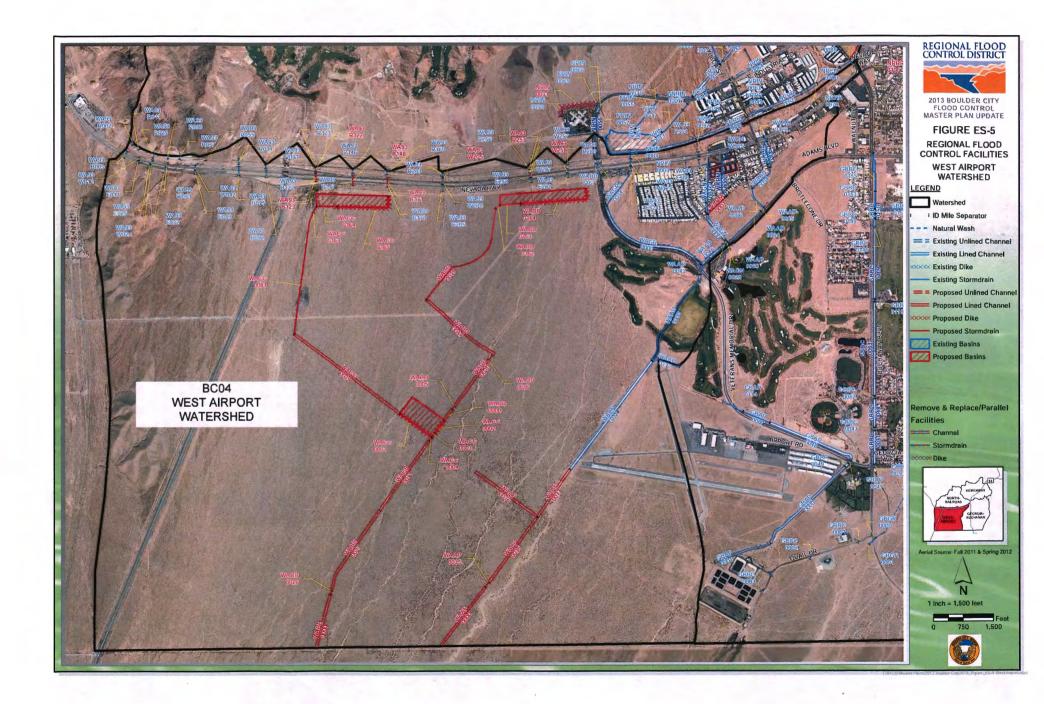
Jiar Keane, P.E., City Engineer

Phone Number: (702) 293-9200









CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

-	 -	-	_
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-	.JF		

Flood Control Facility Maintenance

PETITIONER:

DENIS CEDERBURG, DIRECTOR OF PUBLIC WORKS

RECOMMENDATION OF PETITIONER:

That the Regional Flood Control District Board approve and authorize the Chairman to sign the Interlocal Contract for the maintenance of Flood Control Facilities in the unincorporated areas of Clark County for the 2017-2018 Annual Maintenance Program.

FISCAL IMPACT:

\$ 5,487,200.00 Funded by the Regional Flood Control District

BACKGROUND:

The Clark County Regional Flood Control District has programmed funds for the maintenance of flood control facilities which are shown on the Master Plan. Clark County Public Works is proposing this Interlocal Contract to provide funds to maintain those facilities shown on the Master Plan and located in the unincorporated areas of Clark County. The maintenance program is identified in Exhibit "A" of the Interlocal Contract.

Respectfully submitted,

TAC AGENDA ITEM # 07 RFCD AGENDA ITEM # 08 Date: 06/08/17

Date: 05/25/17 CAC AGENDA ITEM # 07

Date: 05/25/17

DENIS CEDERBURG Director of Public Works DC:AS:ab/Attachment

INTERLOCAL CONTRACT ANNUAL MAINTENANCE WORK PROGRAM

THIS CONTRACT, made and entered into this ____ day of ______, 20____, by and between the CLARK COUNTY, a political subdivision of the State of Nevada, hereinafter referred to as COUNTY, and the CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT, hereinafter referred to as "DISTRICT".

WITNESSETH:

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve and fund projects to maintain flood control improvements; and

WHEREAS, pursuant to NRS 277.180 any one or more public agencies may contract with one or more other public agencies to perform any governmental service, activity or undertaking which any of the public agencies is authorized by law to perform; and

WHEREAS, the COUNTY desires to maintain flood control improvements within the COUNTY in accordance with the maintenance program set forth herein, and hereinafter referred to as "Project"; and

WHEREAS, the facilities upon which maintenance will be performed are facilities described in the DISTRICT'S Master Plan.

NOW, THEREFORE, in consideration of the covenants, conditions, agreements, and promises of the parties hereto, the DISTRICT authorizes the Project as it is mutually understood and agreed as follows:

SECTION I - SCOPE OF PROJECT

This Interlocal Contract applies to the maintenance of flood control facilities, which are identified in the DISTRICT'S Master Plan facilities including updates and amendments subsequently approved. The basic maintenance of the facilities will be in accordance with performance standards set forth in the current DISTRICT Operations and Maintenance Manual.

The Project is more specifically described in Exhibit "A" which is attached hereto and by this reference incorporated herein.

SECTION II - PROJECT COSTS

The DISTRICT agrees to make payment for Project costs within the limits specified below:

Page 1 of 6 FY17-18 CCMWP

1. The Project costs shall not exceed \$5,487,200.00.

The amounts allocated to each individual facility within the Project must be specified in Exhibit "A". Any changes to said allocated amounts must be approved by the DISTRICT'S Chief Engineer in accordance with Section 4.24 of the DISTRICT *Operations and Maintenance Manual*.

A written request must be made to the DISTRICT and a Supplemental Interlocal Contract approved to increase the amount noted above prior to payment of any additional funds.

2. The COUNTY and DISTRICT will comply with Section 4.12 of the *Operations* and *Maintenance Manual*. In accordance with said manual the COUNTY shall submit invoices together with a detailed summary report of the maintenance service performed. The COUNTY shall submit an invoice voucher in the manner prescribed by the DISTRICT. The vouchers shall include such information as is necessary for the DISTRICT to determine the nature of all expenditures. Each voucher will clearly indicate that it is for services rendered in performance under this contract. Each voucher will also be accompanied by a written certification from the COUNTY stating that it is for performance of maintenance activities under this contract and is composed of completed elements set forth in the annual work program.

All invoices must be submitted for payment to:

Clark County Regional Flood Control District Accounts Payable 600 S. Grand Central Parkway, Suite 300 Las Vegas, Nevada 89106-4511

Payment shall be considered timely if made by the DISTRICT within 30 days of receipt of the invoice. Pursuant to Section IV, Paragraph 8, the DISTRICT may, in its sole discretion, withhold payments to the COUNTY for services rendered if the COUNTY fails to satisfactorily comply with any term or condition of this contract and/or the DISTRICT *Operations and Maintenance Manual*.

SECTION III - PROJECT TIME

The COUNTY agrees to perform the Project to the satisfaction of the DISTRICT between July 1, 2017 and June 30, 2018. The DISTRICT may grant extensions or terminate this

Page 2 of 6 FY17-18 CCMWP

contract and require all sums advanced to the COUNTY to be repaid if the COUNTY fails to perform by said date.

SECTION IV - GENERAL

 The COUNTY will complete the Project as set forth in Exhibit "A". The COUNTY staff personnel responsible for coordination of work under this contract are as listed below:

Denis Cederburg, Director of Public Works, or his designee

It is understood that staff named above will be responsible for work coordination throughout the period of this contract unless the DISTRICT is informed in writing of changes in these personnel assignments.

- 2. The COUNTY will comply with the applicable provisions of the Local Government Purchasing Act, Chapter 332 and Public Works, Chapter 338, of the Nevada Revised Statutes.
- 3. Applicable portions of the current editions of the *Operations and Maintenance Manual*, *Policies and Procedures Manual*, *Hydrologic Criteria and Drainage Design Manual*, and *Uniform Regulations for the Control of Drainage* adopted by the DISTRICT will apply unless specifically superseded by this CONTRACT.
- 4. It is the intent of the DISTRICT that scheduling of maintenance and repair of drainage and flood control facilities in general and Master Plan Facilities specifically be coordinated among member entities. Therefore, in those cases where Master Plan approved, and DISTRICT-funded projects have regional flood control significance impacting more than one member entity, the COUNTY will allow all impacted member entities an opportunity to review the maintenance schedule in order to coordinate maintenance efforts.
- 5. The Chief Engineer or designee of the DISTRICT shall be responsible for monitoring the performance of the COUNTY, approval for payment of billings and expenses submitted by the COUNTY and the acceptance of any report provided by the COUNTY. The COUNTY shall be responsible for monitoring performance of COUNTY staff or private contractors.
- 6. Accurate documentation of all work performed and payments made shall be maintained by the COUNTY for a period of three (3) years in hard copy form after final project

Page 3 of 6 FY17-18 CCMWP

approval and payments. Following the three year period, the COUNTY shall keep records for permanent storage in original form, in microfilm/fiche media, or an electronic format in accordance with the COUNTY Record Retention Schedule.

- 7. The COUNTY shall provide right of access to its facilities to the DISTRICT or Chief Engineer at all reasonable times, in order to monitor and evaluate performance, compliance, and/or quality assurance under this contract.
- 8. In the event the COUNTY fails to perform the maintenance according to the standards specified in this contract and the DISTRICT Operations and Maintenance Manual, the DISTRICT may perform or cause to be performed the maintenance necessary to assure proper operation of the facility. Costs incurred by the DISTRICT shall be reimbursed by the COUNTY or be deducted from the amount authorized by this contract. The DISTRICT may not exercise this right without giving the COUNTY specific written notice of the maintenance required and allowing the COUNTY 60 days within which to perform said maintenance. The notice required by this provision must be sent to:

Denis Cederburg

Director, Department of Public Works
500 South Grand Central Parkway, 2nd Floor
Las Vegas, NV 89155-4000

- 9. The records of the COUNTY and/or private contractors pertaining to the subject matter of this contract shall at all reasonable times be subject to inspection and audit by the DISTRICT or an Agent of the DISTRICT.
- 10. If any provision of this contract shall be deemed in conflict with any statute or rule of law, such provision shall be deemed modified to be in conformance with said statute or rule of law.
- 11. The COUNTY, its employees, and representative shall at all times comply with all applicable laws, ordinances, statutes, rules, and regulations in effect at the time work is performed.
- 12. The COUNTY hereby agrees to reimburse the DISTRICT if funds are received from other sources for maintenance and repair of drainage and flood control facilities paid for by the DISTRICT.

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- 13. The DISTRICT will not be responsible for any fines and/or penalties caused by the actions or inactions of COUNTY employees, consultants, contractors, or agents.
- 14. Any costs found to be improperly allocated to the Project will be refunded by the COUNTY to the DISTRICT.
- 15. It is specifically understood and agreed to by and between the parties hereto that it is not intended by any of the provisions of any part of this contract to create in the public or any member thereof a third party beneficiary hereunder, or to authorize anyone not a party to this contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this contract.
- 16. Up to the limits set forth in NRS Chapter 41, the COUNTY will indemnify and defend the DISTRICT against and from any and all claims and demands of whatsoever nature which arises out of allegations of negligence or misconduct of COUNTY officers, employees or agents, related to or under this Contract which results from injury to or death of any persons whomsoever, or against and from damage to or loss or destruction of property.
- 17. This agreement shall be construed and interpreted in accordance with the laws of the State of Nevada.

Page 5 of 6

IN WITNESS WHEREOF, the parties have caused this contract to be executed the day and year first above written.

Date of District Action:	REGIONAL FLOOD CONTROL DISTRICT
ATTEST:	BY:LAWRENCE L. BROWN, III, Chairman
Deanna Hughes Secretary to the Board	•
Approved as to Form:	
BY: CHRISTOPHER FIGGINS Chief Deputy District Attorney	-
******	***********
Date of Commission Action:	COUNTY OF CLARK
	BY:STEVE SISOLAK, Chairman
ATTEST:	
Lynn Marie Goya	

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT MAINTENANCE WORK PLAN SUMMARY FISCAL YEAR 2017-2018

Master Plan Facility ID	MWP Facility Number	Facility Description		Cost
FLAM	CLA01	FLAMINGO WASH	\$	976,500.00
LVWS	CLA02	LAS VEGAS WASH	\$	311,500.00
DCWA	CLA03	DUCK CREEK	\$	419,500.00
LVRW	CLA05	LAS VEGAS RANGE WASH	\$2	2,623,300.00
TRWA	CLA06	TROPICANA WASH	\$	325,000.00
TRMC	CLA07	AIRPORT CHANNEL	\$	48,000.00
LV02	CLA08	MONSON CHANNEL	\$	94,700.00
DCRH	CLA09	RAWHIDE CHANNEL	\$	89,000.00
VBCH	CLA10	VAN BUSKIRK CHANNEL	\$	20,000.00
FWNF	CLA11	FLAMINGO WASH NORTH FORK	\$	43,000.00
LGWS	CLA14	LAUGHLIN WASHES	\$	35,000.00
MVAL	CLA15	MOAPA VALLEY	\$	218,500.00
BDWS	CLA16	BLUE DIAMOND WASH	\$	147,000.00
SCHL	CLA17	SEARCHLIGHT	\$	2,000.00
BNKV	CLA18	BUNKERVILLE	\$	12,700.00
PTWA	CLA19	PITTMAN WASH	\$	42,500.00
ISWE	CLA20	INDIAN SPRINGS	\$	9,000.00
GOBE	CLA21	NORTHERN BELTWAY CHANNELS	\$	70,000.00
		Total	\$5	,487,200.00

FY 2017-2018

MVVP Facility #:	CLAUT		Entity:	Clari	k County
Facility Name:	Flamingo Wash	i	Date Prepared:	4/2	8/2017
MP Facility ID:	F1FA 0000-0004 F2NB 0000-0048 F301 0000-0007	F401 0000-0003 FL	AG 0000-0020 FLE	3F 0046-0328	
MP Facility ID:	FLBN 0001-0033 FLDI 0000-0105 FLDN 0000-0160	FLDR 0000-0179 F	LDS 0000-0750 FL	F1 0000-0304	
MP Facility ID:	FLF2 0000-0137 FLF3 0000-0198 FLF4 0000-0355	FLFA 0000-0037 FI	CM 0000		
MP Facility ID:	FLFL 0000-0147 FLHA 0000 FLJO 0000-0076 FLOO	0000-0050 FLRB	0000-0062 FLRO 0	000	
MP Facility ID:	FLSB 0000-0128 FLSM 0000-0180 FLSP 0000 FLTP	R 0000-0347 FLVV 0	000-0006		
MP Facility ID:	FLWA 0001-1443 RRBW 0000 RRFA 0000-0143 RF	RFC 0000 RRHU 000	00-0129 RRNA 000	0-0097	
MP Facility ID:	RRNN 0000-0022 RRNS 0000-0010 RRR4 0000-016	The second secon			
Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Percent Complete	Scheduled Completion Date
20 21 21 25 35 40 45 50 55 65 70 75	Facility Assessment and Inventory Inspect Channels Inspect Levees, Deten/Debris Basins Species Survey and Removal Clean and Reshape Channels/Levees Repair Lined Channel Erosion Control and Repair Provide/Maintain Dust Control Clean Detention/Debris Basins Fence Repair Vegetation Control - Chemical Vegetation Control - Mechanical Maintain Access Road Clean & Inspect Inlet/Outlet Structures Repair Inlet/Outlet Structures Clean Storm Sewer Lines Storm Sewer Line Repair Clean/Flush Culverts & Bridges Miscellaneous Work Activities Engineering	\$15,000.00 10,000.00 15,000.00 0.00 60,000.00 10,000.00 150,000.00 20,000.00 20,000.00 20,000.00 5,000.00 25,000.00 5,000.00 5,000.00 4,000.00 400,000.00		*	
05	TOTALS	\$976,500.00			06/2018
Misc. maintenance FLF4 0063 F4 che Work to be co Channel maintena Dust palliative an Contract for the re	ed during prior fiscal year: e. FLLA 0000 North Fork channel repair. annel wall repair.	nd Red Rock Detent	ion Basin.		
Contractor: Project Manager:	Angelo Santovito	F	Phone Number:	455-7540	

MWP Facility					County
Facility Name:			Date Prepared:	4/2	8/2017
MP Facility ID:					
MP Facility ID:					
MP Facility ID:	LVCO 0000-0109				
MP Facility ID:					
MP Facility ID:	NLWY 0000-0030				
MP Facility ID:					
Force		Requested	Amended	Percent	Scheduled
Account/	Activity	Work Plan	Work Plan	Complete	Completion
Contract	Date Prepared:	Complete	Date		
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		and the second s			
		0.00			
	10 Clean and Reshape Channels/Levees	200,000.00			
and the state of t	15 Repair Lined Channel	2,500.00			
	20 Erosion Control and Repair	45,000.00			
		THE RESERVE ASSESSMENT OF THE PROPERTY OF THE			
	25 Clean Detention/Debris Basins	0.00			
	pt ptp. 14.1 a. 14.1 a. 14.2 a. 14.2 a. 14.4 a				
		A CONTRACTOR AND A CONTRACTOR AND ADDRESS OF THE AD			
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No. of State					
		30,475,447,477,477,475,475,475,475,475,475			
3					
	TOTALS	\$311,500.00			06/2018
Misc. maintenar Work to be cont Vegetation cont Maintenance wo	completed during current fiscal year: I south of Vegas Valley. Ork for SNWA weirs along the Las Vegas Wash Wetland	- 6.67mm			
Consultant/ Contractor: Project Manager:	Angelo Santovito		Phone Number:	455-7540	_
vialiayel.	Angelo Garitovilo		Hone Humber.	100-1040	

MWP Facilit	y#: CLA 03		Entity:	Clari	k County
Facility Nam	e: Duck Creek		Date Prepared:	4/2	8/2017
MP Facility I	D: BDW5 0000-0025 DC95 0000-0038 DCBD 0000-008	31 & 0176-0273			
MP Facility I	D: DCCA 0000-0078 DCCD 0000 DCGL 0000-0086, 01	06. 0112. 0138-0179)		
MP Facility I			•		
MP Facility I			.000 0002		
MP Facility I					
MP Facility I		061			
iver i acinty i	D. DOVA 0000-1330 DCV4D 0000-0000 DCV41 0000-0	001			
Force		Requested	Amended		Scheduled
Account/	Activity	Work Plan	Work Plan	Percent	Completion
Contract	Adulty	Amount (\$)	Amount (\$)	Complete	Date
Contract	3 Facility Assessment and Inventory	\$5,000.00			Date
	5 Inspect Channels	5,000.00			
		to be a continued at the property of the property of the	Marko errinteriaria escisio		
	6 Inspect Levees, Deten/Debris Basins	8,000.00			
	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels/Levees	120,000.00			
	15 Repair Lined Channel	5,000.00			
	20 Provide/Maintain Erosion Control	30,000.00			
	21 Provide/Maintain Dust Control	75,000.00			
	25 Clean Detention/Debris Basins	15,000.00			
-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	35 Fence Repair	4,000.00	okga ta da taga da tara a da da ta da ta da		
	40 Vegetation Control - Chemical	10,000.00			
1909191919191919191	45 Vegetation Control - Mechanical	55,000.00			
	50 Maintain Access Road	5,000.00			
	55 Clean & Inspect Inlet/Outlet Structures	0.00			
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	60 Repair Inlet/Outlet Structures	0.00			
	65 Clean Storm Sewer Lines	2,500.00			
	70 Storm Sewer Repair	0.00			
	75 Clean/Flush Culverts & Bridges	0.00	**************************************		
	80 Miscellaneous Work Activities	80,000.00			
	85 Engineering	0.00			
	TOTALS	\$419,500.00			06/2018
Misc. mainten Flood repair to Work to be Misc. mainten Erosion contro	the Lower Duck Creek Detention Basin and vegetatation	Clean, Inspect & Rep	pairs to 3 Detention		
Consultant/ Contractor: Project Manager:	Angelo Santovito		hone Number:	455-7540	

MAAL Laciiii			Entity:	Clark County	
Facility Nam		-	Date Prepared:	4/2	8/2017
MP Facility					
MP Facility					
MP Facility					
MP Facility	D: SLLM 0000 SLNL 0095 SLOR 0000-0148	•			
MP Facility	D: SLST 0000-0095 SLWA 0000-0091				
MP Facility I	ID:	•			
Force		Requested	Amended	Percent	Scheduled
Account/	Activity	Work Plan	Work Plan	Complete	Completion
Contract		Amount (\$)	Amount (\$)	Complete	Date
	3 Facility Assessment and Inventory	\$3,500.00			
	5 Inspect Channels	3,500.00			
	6 Inspect Levees, Deten/Debris Basins	1,800.00			
	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels/Levees	60,000.00			
£1929112929C0C0C01T0C00	15 Repair Lined Channel	2,000,000.00			
	20 Provide/Maintain Erosion Control	0.00			
APPROPRIESTS LABORISTS AND	21 Provide/Maintain Dust Control	50,000.00	Edecidade Dichide de Carter de Decidio de Carte		
	25 Clean Detention/Debris Basins	10,000.00			
	35 Fence Repair	10,000.00	18180-1718151-110-191-191-191-191-1		
	40 Vegetation Control - Chemical	9,000.00			
	45 Vegetation Control - Mechanical	5,000.00	perduphases) and		
	50 Maintain Access Road	2,500.00			
	55 Clean & Inspect Inlet/Outlet Structures	0.00			
		0.00			
	60 Repair Inlet/Outlet Structures	PERSONAL PROPERTY OF THE PROPERTY OF THE PERSON OF THE PER			
400143005454545450	65 Clean Storm Sewer Lines	0.00			
	70 Storm Sewer Repair	0.00			
-ta-seriousususus	75 Clean/Flush Culverts & Bridges	0.00			
	80 Miscellaneous Work Activities	85,000.00			
	85 Engineering	383,000.00			
	TOTALS	\$2,623,300.00			06/2018
	problem areas:			D-1	
Misc. mainter	pleted during prior fiscal year: nance of RWSL 0501 & SLDR 0146 naged channel	Clean, Inspect & Re	pairs to 2 Detention	1 Basins.	
		Clean, Inspect & Re	pairs to 2 Detention	n Basins.	
	nance including Sloan Channel, Confluence and Orchard I				
	e and pre-emergent for the Confluence Detention Basin. C		ne		
- Jot Palliative	o and pro-emergent for the confidence betermen basin, o			-	
Consultant/					
Contractor:					
Project					
Manager:	Angelo Santovito		Phone Number:	455-7540	
			<u> </u>		

FY 2017-2018

MWP Facilit	ty #: CLA 06		Entity:		k County
Facility Nam			Date Prepared:	4/2	8/2017
MP Facility	ID: BDBF 0000-0006 BDFW-0000 BDJO 0000-0061		3		
MP Facility	ID: BDMO 0000-0010 BDRB 0000-0118		30.		
MP Facility	ID: BDRR 0000 BDWS 0000-0007				
MP Facility					
MP Facility		-			
MP Facility		**************************************			
MP Facility					
,			K:		
Force		Requested	Amended		Scheduled
Account/	Activity	Work Plan	Work Plan	Percent	Completion
Contract		Amount (\$)	Amount (\$)	Complete	Date
	3 Facility Assessment and Inventory	\$3,500.00			
,1499421371745137476137648	5 Inspect Channels	3,000.00	######################################		
	6 Inspect Levees, Deten/Debris Basins	6,000.00			
	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels/Levees	15,000.00			
	15 Repair Lined Channel	THE RESIDENCE OF THE PROPERTY OF THE PROPERTY OF THE PARTY OF THE PART			
December 1988		15,000.00			
	20 Provide/Maintain Erosion Control	7,500.00			
	21 Provide/Maintain Dust Control	100,000.00			
	25 Clean Detention/Debris Basins	60,000.00			
determination and a state	35 Fence Repair	10,000.00			
	40 Vegetation Control - Chemical	5,000.00			
	45 Vegetation Control - Mechanical	5,000.00			
	50 Maintain Access Road	5,000.00			
	55 Clean & Inspect Inlet/Outlet Structures	0.00			
	60 Repair Inlet/Outlet Structures	0.00			
AND THE PARTY OF T	65 Clean Storm Sewer Lines	5,000.00			
	70 Storm Sewer Repair	0.00			
	75 Clean/Flush Culverts & Bridges	0.00	twenter and the state of the st		
	80 Miscellaneous Work Activities	75,000.00			
	85 Engineering	10,000.00			
	TOTALS	\$325,000.00			06/2018
Dalawa ar	problem areas:	4020,000.00			OUIZOTO
		Clean, Inspect & Re	pairs to 4 Detention	/Dehris Basin	e
	nance of TRBD 0681, TRNB 0094, TRWA 0545 and TRBD		pairs to 4 Deterition	Deblis Dasiii	5.
Work to be	completed during current fiscal year:	Clean, Inspect & Re	pairs to 4 Detention	/Debris Basin	S.
Misc. work co	ontract maintenance adjacent to beltway. Clean, inspect an	d repairs to 4 Deter	ntion Basins.		
	at Upper Blue Diamond and Blue Diamond debris basin.				
	e and pre-emergent for Tropicana and the Upper Blue Diam	ond Detention Basi	ns.		
				-115	
Consultant/	,				
Contractor:					
Project	Annala Cantavita		Ohana Miraka	455 75 40	
Manager:	Angelo Santovito	1	Phone Number:	400-/040	

MWP Facility Facility Nam			Entity: Date Prepared:	The second lines	8/2017
MP Facility I		•			
MP Facility I					
MP Facility I					
MP Facility I					
MP Facility I					
MP Facility I	D:				
Force		Requested	Amended	Percent	Scheduled
Account/	Activity	Work Plan	Work Plan	Complete	Completion
Contract		Amount (\$)	Amount (\$)	PROTEST AND SERVICE SE	Date
	3 Facility Assessment and Inventory	\$1,500.00			
+6510517515556457156747	5 Inspect Channels	1,500.00			
	6 Inspect Levees, Deten/Debris Basins	0.00			
V17505154515451545454515451	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels/Levees	7,000.00			
. Tege (2.764) 40.4004624636363	15 Repair Lined Channel	10,000.00			
	20 Provide/Maintain Erosion Control	0.00			
	21 Provide/Maintain Dust Control	0.00			
	25 Clean Detention/Debris Basins	0.00			
and a contract of the contract of	35 Fence Repair	1,000.00	nova setta esta esta esta esta esta esta es		
	40 Vegetation Control - Chemical	1,000.00			
*************	45 Vegetation Control - Mechanical	2,500.00			
	50 Maintain Access Road	0.00			
	55 Clean & Inspect Inlet/Outlet Structures	2,000.00	all market was a second of the second		
	60 Repair Inlet/Outlet Structures	0.00			
Water All School Charles	65 Clean Storm Sewer Lines	1,500.00	M 141 K 161 K 181 K 191 K 181 K 191 K 191 K 181 K		
	70 Storm Sewer Repair	0.00			
	75 Clean/Flush Culverts & Bridges	0.00			
	80 Miscellaneous Work Activities	20,000.00			
	85 Engineering	0.00			
	TOTALS	\$48,000.00			06/2018
Work comp Misc mainten Work to be	problem areas: pleted during prior fiscal year: ance. Grate replacement at Tropicana Road West of Pan completed during current fiscal year:	adise.			
Misc. mainten					
Vegetation co	ntrol North of Tropicana Road at Las Vegas Boulevard an	d also at Banning Cr	еек Олуе.		
Consultant/					
Contractor:					
Project		<u></u>			
Manager:	Angelo Santovito	F	Phone Number:	455-7540	

	ity #: CLA 08			Clark County 4/28/2017	
Facility Nar			Date Prepared:	4/2	8/201/
MP Facility					
MP Facility					
MP Facility					
MP Facility					
MP Facility					
MP Facility	ID:				
Force		Requested	Amended	Percent	Scheduled
Account/	Activity	Work Plan	Work Plan	Complete	Completion
Contract		Amount (\$)	Amount (\$)	Complete	Date
	3 Facility Assessment and Inventory	\$1,200.00			
	5 Inspect Channels	1,500.00			
	6 Inspect Levees, Deten/Debris Basins	0.00			
	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels	7,500.00			
	15 Repair Lined Channel	0.00			
	20 Provide/Maintain Erosion Control	0.00			
activities and state of the	21 Provide/Maintain Dust Control	0.00	rwinru(wintenerningenbagebagebegegege		
	25 Clean Detention/Debris Basins	0.00			
PETROSCHIMINOSTADACHI-CA	35 Fence Repair	1,500.00			
	40 Vegetation Control - Chemical	3,000.00			
************************	45 Vegetation Control - Mechanical	20,000.00	*DOMESTICATED (1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		
	50 Maintain Access Road	0.00			
	55 Clean & Inspect Inlet/Outlet Structures	0.00			
	60 Repair Injet/Outlet Structures	0.00			
	65 Clean Storm Sewer Lines	0.00			
	70 Storm Sewer Repair	50,000.00			
	75 Clean/Flush Culverts & Bridges	0.00			
	80 Miscellaneous Work Activities	10,000.00			
	A MANAGE OF A STATE OF	0.00			
	85 Engineering TOTALS	\$94,700.00			06/2018
Dalama		494,700.00			00/2010
Delays or	problem areas:				
Work com	pleted during prior fiscal year:	Misc. maintenance.	177		
			2002		
Work to be	e completed during current fiscal year:				
Misc. mainter	nance including reshaping channel and vegetation control.				

0	J.				
Consultant					
Contractor					
Project		_			
Manager:	Angelo Santovito	F	Phone Number:	455-7540	

	ty #: CLA 09		Entity:		k County
Facility Nan MP Facility			Date Prepared:	4/2	8/2017
MP Facility					
MP Facility					
MP Facility					
MP Facility					
MP Facility					
Force		Requested	Amended	Percent	Scheduled
Account/	Activity	Work Plan	Work Plan	Complete	Completion
Contract		Amount (\$)	Amount (\$)	Complete	Date
	3 Facility Assessment and Inventory	\$2,500.00			
C24C4 24C34C4 24 C4C3 C34C3 C34C3	5 Inspect Channels	2,500.00			
	6 Inspect Levees, Deten/Debris Basins	0.00			
	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels	7,500.00			
	15 Repair Lined Channel	0.00			
	20 Provide/Maintain Erosion Control	0.00			
	21 Provide/Maintain Dust Control	20,000.00			
	25 Clean Detention/Debris Basins	0.00			
132100104000001111111111	35 Fence Repair	30,000.00			
	40 Vegetation Control - Chemical	2,000.00			
Halande and Facilities Helds	45 Vegetation Control - Mechanical	2,000.00	energia de la companya de la company		
	50 Maintain Access Road	0.00			
2010/2010/11/11/17/2010	55 Clean & Inspect Inlet/Outlet Structures	0.00			
	60 Repair Inlet/Outlet Structures	0.00			
	65 Clean Storm Sewer Lines	2,500.00			
	70 Storm Sewer Repair	0.00			
	THE DEPOS OF THE PARTY OF THE P	0.00			
Germanian kenasa	75 Clean/Flush Culverts & Bridges				
	80 Miscellaneous Work Activities	20,000.00			
	85 Engineering TOTALS	0.00			06/2049
		\$89,000.00			06/2018
Delays or	problem areas:				
Work com Misc. mainter	pleted during prior fiscal year:	***	····	-	
Work to be	completed during current fiscal year:	,			
Misc. mainter	nance including dust control measures for native dirt section	ns.			
			=-:		
nen -					(2000)
Consultant/					
Contractor:					
Project		-			
Manager:	Angelo Santovito	F	Phone Number:	455-7540	
3		•			

Facility Nam	The second secon		Entity: Date Prepared:		8/2017
MP Facility					
MP Facility					
MP Facility MP Facility					
MP Facility I					
ivii i dointy i					
Force	4	Requested	Amended	Percent	Scheduled
Account/	Activity	Work Plan	Work Plan	Complete	Completion
Contract		Amount (\$)	Amount (\$)	Complete	Date
	3 Facility Assessment and Inventory	\$2,000.00			
	5 Inspect Channels	2,000.00	DESCRIPTION OF STREET		
	6 Inspect Levees, Deten/Debris Basins	2,000.00			
	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels	0.00			
	15 Repair Lined Channel	0.00			
	20 Provide/Maintain Erosion Control	0.00			
Comprehensive total Green	21 Provide/Maintain Dust Control	0.00			
	25 Clean Detention/Debris Basins	2,000.00			
*##1##1###############################	35 Fence Repair	1,000.00	Erene kanne eren gant en eren (vinde) e		
	40 Vegetation Control - Chemical	1,000.00			
\$141212121212121212121212121	45 Vegetation Control - Mechanical	0.00	erform actions or reconstruction.		
	50 Maintain Access Road	0.00			
14971701201707071717171717	55 Clean & Inspect Inlet/Outlet Structures	0.00			
	60 Repair Inlet/Outlet Structures	0.00			
	65 Clean Storm Sewer Lines	0.00			
	70 Storm Sewer Repair	0.00			
	75 Clean/Flush Culverts & Bridges	0.00			
		ALCOHOLD TO A MARKET THE STATE OF THE STATE	etida dalaman labaria bioni		
	80 Miscellaneous Work Activities	10,000.00			
	85 Engineering TOTALS	0.00 \$20,000.00			06/2018
		\$20,000.00			00/2018
Work com	pleted during prior fiscal year: nance of VBTM 0027 and VBMC 0161	Clean, Inspect & Re	pairs to 2 Detention	n Basins.	
		11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			
Work to be	completed during current fiscal year:	Clean, Inspect & Re	pairs to 2 Detention	n Basins.	
Misc. mainter	nance of A and C Detention Basins.				
Concrete repa	air of the slope at Bunker Circle.	<u></u>			
		jn.			***
Consultant/					
Contractor:					
Project		*			
Manager:	Angelo Santovito	F	Phone Number:	455-7540	
3					

Facility Nam	ty #: CLA 11		Entity:		County
The state of the s			Date Prepared:	4/2	8/2017
MP Facility					
MP Facility					
MP Facility					
MP Facility					
MP Facility					
MP Facility I	D:				
Force	· ·	Requested	Amended	D1	Scheduled
Account/	Activity	Work Plan	Work Plan	Percent	Completion
Contract		Amount (\$)	Amount (\$)	Complete	Date
	3 Facility Assessment and Inventory	\$2,500.00			
	5 Inspect Channels	2,500.00			
	6 Inspect Levees, Deten/Debris Basins	0.00			
	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels	5,000.00			
	15 Repair Lined Channel	0.00			
	20 Provide/Maintain Erosion Control	0.00			
	21 Provide/Maintain Dust Control	0.00			
	25 Clean Detention/Debris Basins	5,000.00			
	35 Fence Repair	1,500.00			
	40 Vegetation Control - Chemical	1,500.00			
	45 Vegetation Control - Mechanical	0.00			
	50 Maintain Access Road	0.00			
************	55 Clean & Inspect Inlet/Outlet Structures	0.00			
	60 Repair Inlet/Outlet Structures	0.00			
printer a constant contract of	65 Clean Storm Sewer Lines	5,000.00	5585B25852801E12551F179C1F179651F174A		
	70 Storm Sewer Repair	0.00			
	75 Clean/Flush Culverts & Bridges	0.00			
	80 Miscellaneous Work Activities	20,000.00			
31-21-21-21-21-21-21-21-21-21	85 Engineering	0.00			
L les	TOTALS	\$43,000.00			06/2018
Delays or p	problem areas:				
Work com	pleted during prior fiscal year: nance at FLLA 0308 pre-emergent on DI Detention Basin.				
Misc. mainter		111.00			
Misc. mainter	e completed during current fiscal year: nance at FLLA 0308 pre-emergent on DI Detention Basin.				

MWP Facility	#: CLA 14		Entity:		County
Facility Name			Date Prepared:	4/2	8/2017
MP Facility ID): LUBC 0000-0010, 0324				
MP Facility ID	D: LUED 0000-0008				
MP Facility ID): LUHS 0000-0242, 0250				
MP Facility ID): LUMA 0023-0060				
MP Facility ID): LUUW 0000-0150				
MP Facility ID					
	<u> </u>				
Force		Requested	Amended		Scheduled
Account/	Activity	Work Plan	Work Plan	Percent	Completion
Contract		Amount (\$)	Amount (\$)	Complete	Date
	3 Facility Assessment and Inventory	\$1,000.00			
	5 Inspect Channels	1,500.00			
	6 Inspect Levees, Deten/Debris Basins	2,500.00			
	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels	0.00			
 Riserrane Roman Control Control (RD) 		0.00			
	15 Repair Lined Channel	to the section with the acceptance of a president of the Carried and			
22/23/24/24/24/24/24/24/24/24/24/24/24/24/24/	20 Provide/Maintain Erosion Control	0.00			
AND DESCRIPTION OF THE PARTY OF	21 Provide/Maintain Dust Control	0.00	elikenomentanan and		
CHEATER SHIP SHIP SHIP SHIP SHIP SHIP SHIP	25 Clean Detention/Debris Basins	18,000.00			
A recognition to the second second second second	35 Fence Repair	2,000.00			
	40 Vegetation Control - Chemical	1,500,00			
	45 Vegetation Control - Mechanical	1,500.00			
	50 Maintain Access Road	0.00			
assessed as early	55 Clean & Inspect Inlet/Outlet Structures	0.00			
Committee of the Commit	60 Repair Inlet/Outlet Structures	5,000.00			
Parameter and the state of the	65 Clean Storm Sewer Lines	0.00	20 T-19		
	70 Storm Sewer Repair	0.00			
	75 Clean/Flush Culverts & Bridges	0.00			
	80 Miscellaneous Work Activities	2,000.00			
	85 Engineering	0.00			
	TOTALS	\$35,000.00			06/2018
	roblem areas:	\$35,000.00			00/2010
Misc. maintena Work to be of Misc. maintena Repair Un-nam Sediment remo	leted during prior fiscal year: nnce. completed during current fiscal year: nnce at LUHS 0242. Woody species removal. ned Wash (LUUW) oval from Hiko Springs Wash Detention Basin.				
Contractor: Project Manager:	Angelo Santovito	F	Phone Number:	455-7540	

	ty #: CLA 15		Entity:		c County
Facility Nam			Date Prepared:	4/2	8/2017
MP Facility					
MP Facility					
MP Facility					
MP Facility					
MP Facility					
MP Facility	D:				
Force		Requested	Amended		Scheduled
Account/	Activity	Work Plan	Work Plan	Percent	Completion
Contract	, waster	Amount (\$)	Amount (\$)	Complete	Date
	3 Facility Assessment and Inventory	\$1,000.00			
13-2-2-1-2-2-1-2-2-1-2-2-	5 Inspect Channels	2,500.00	K2+3+742+6546+642+63+641+6+6+6+6+6+6+		
	6 Inspect Levees, Deten/Debris Basins	0.00			
\$274721252TUT1517417TTER	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels	120,000.00			
	15 Repair Lined Channel	0.00			
	20 Provide/Maintain Erosion Control	75,000.00			
	21 Provide/Maintain Dust Control	0.00			
	25 Clean Detention/Debris Basins	2,000.00			
	35 Fence Repair	0.00			
		2,000.00			
	40 Vegetation Control - Chemical	TEXT REPORT OF THE PROPERTY OF			
	45 Vegetation Control - Mechanical	1,000.00			
	50 Maintain Access Road	0.00			
	55 Clean & Inspect Inlet/Outlet Structures	0.00	artematera (international artematera).		
	80 Repair Inlet/Outlet Structures	0.00			
. 1.00.00.00.00.00.00.00.00.00.00.00.00.00	65 Clean Storm Sewer Lines	0.00			
	70 Storm Sewer Repair	0.00			
cedebeletebeletebeletebe	75 Clean/Flush Culverts & Bridges	0.00			
	80 Miscellaneous Work Activities	10,000.00			
	85 Engineering	5,000.00			
	TOTALS	\$218,500.00			06/2018
Delays or p	problem areas:				
Mork com	pleted during prior fiscal year:				
Misc. mainter					
IVIISC. Maintei	lance.				
Work to be	completed during current fiscal year:		(40.00)		
Misc. mainter					
	fill at MRLV 0388-0424				
		44-5	**		
Consultant/					
Contractor:					
Project)				
Manager:	Angelo Santovito	F	Phone Number:	455-7540	

MAAL Lacin	IY#: CLA 16		Entity:		County
Facility Nan	ne: Blue Diamond Wash		Date Prepared:	4/2	8/2017
MP Facility	ID: BD02 0000-0109				
MP Facility	ID: BD03 0000-0081				
MP Facility	ID: BDBE 0000-0068, 0084-0134				
MP Facility	ID: BDW1 0000-0077, BDW2 0023				
MP Facility	ID: BDW3 0000, BDW4 0160-0174				
MP Facility	ID: BDWA 0000-0212, 0394-0633				
Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$3,500.00			
talendantelackielsäviet	5 Inspect Channels	3,500.00	KERTALINEN HARITALAN DARIK BALANDARAN DA		
	6 Inspect Levees, Deten/Debris Basins	2,000.00			
	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels	10,000.00			
	15 Repair Lined Channel	10,000.00			
	20 Provide/Maintain Erosion Control	15,000.00			
	21 Provide/Maintain Dust Control	0.00			
	25 Clean Detention/Debris Basins	50,000.00			
	35 Fence Repair	2,000.00			
		and the second section of the second section is a second section.			
	40 Vegetation Control - Chemical	2,000,00			
e le Se le Se Se ve Sene de vene de la	45 Vegetation Control - Mechanical	5,000.00	alchamide caracteristic bein		
	50 Maintain Access Road	0.00			
a an area area area.	55 Clean & Inspect Inlet/Outlet Structures	1,000.00			
	60 Repair Inlet/Outlet Structures	0.00			
None and the second second	65 Clean Storm Sewer Lines	1,500.00			
	70 Storm Sewer Repair	0.00			
	75 Clean/Flush Culverts & Bridges	1,500.00			
	80 Miscellaneous Work Activities	40,000.00			
	85 Engineering	0.00			
	TOTALS	\$147,000.00			06/2018
Work com Misc. mainter					
	completed during current fiscal year:				
100000	nance. Clean and inspect Lower Blue Diamond Detention	Basin.	1.4		
Channel mair	ntenance contract adjacent to beltway (BDBE)	W-			
Consultant/ Contractor: Project					
Manager:	Angelo Santovito	F	Phone Number:	455-7540	

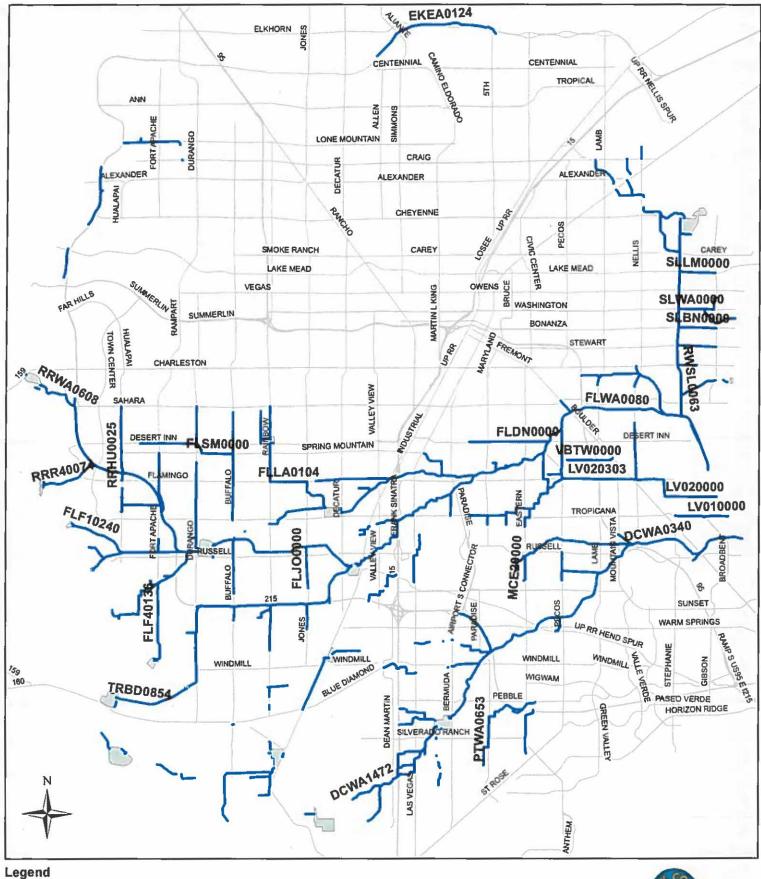
MWP Facili	*** () () () () () () () () ()		Entity:		k County
Facility Nan			Date Prepared:	4/2	8/2017
MP Facility					
MP Facility					
MP Facility	ID:				
MP Facility	ID:				
MP Facility					
MP Facility					
Force		Requested	Amended		Scheduled
Account/	Activity	Work Plan	Work Plan	Percent	
	Activity			Complete	Completion
Contract		Amount (\$)	Amount (\$)	MARKET CONSISTENCE	Date
	3 Facility Assessment and Inventory	\$500.00			
1012711012712111717111717	5 Inspect Channels	500.00			
	6 Inspect Levees, Deten/Debris Basins	0.00			
1005isseletselene	8 Species Survey and Removal	0.00	en de l'alternation de la comparte de l'alternation de l'		
	10 Clean and Reshape Channels	0.00			
e del conseil de la conseil de	15 Repair Lined Channel	0.00	nontrophic publication of		
	20 Provide/Maintain Erosion Control	0.00			
term en fanskere	21 Provide/Maintain Dust Control	0.00			
	25 Clean Detention/Debris Basins	0.00			
493121197	35 Fence Repair	0.00			
	40 Vegetation Control - Chemical	0.00			
STATE OF THE OWNER, TH	45 Vegetation Control - Mechanical	0.00			
	50 Maintain Access Road	0.00			
141 K1 + 10 + 1 + 10 + 10 + 10 + 10 + 10 +	55 Clean & Inspect Inlet/Outlet Structures	0.00	G+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1+1		
	60 Repair Inlet/Outlet Structures	0.00			
.4514961951951951951951	65 Clean Storm Sewer Lines	0.00			
	70 Storm Sewer Repair	0.00			
	75 Clean/Flush Culverts & Bridges	0.00	HEREER HEREFER		
	80 Miscellaneous Work Activities	1,000.00			
		0.00			
	85 Engineering TOTALS	\$2,000.00			06/2018
D-1	The state of the s	\$2,000.00			00/2018
Delays or	problem areas:				
Work com	pleted during prior fiscal year:				***
Misc. mainter	nance.				
Work to be	completed during current fiscal year:				
Misc. mainter	nance.				
* *					
	41				
Consultant/					
Contractor:					
Project			01		
Manager:	Angelo Santovito	F	Phone Number:	455-7540	
3-11		·			

MWP Facility # Facility Name:			Entity: Date Prepared:		k County 8/2017
MP Facility ID:		_			
MP Facility ID:	WIWA 0000-0038	_			
MP Facility ID:		_			
MP Facility ID:		_			
MP Facility ID:					
MP Facility ID:		_			
Force		Requested	Amended	Percent	Scheduled
Account/	Activity	Work Plan	Work Plan	Complete	Completion
Contract		Amount (\$)	Amount (\$)	Complete	Date
	3 Facility Assessment and Inventory	\$1,000.00			
CONTROL OF THE PARTY OF THE PARTY OF THE PARTY.	5 Inspect Channels	1,000.00	establishment en en en en en en en		
	6 Inspect Levees, Deten/Debris Basins	1,200.00			
	8 Species Survey and Removal	0.00	-1-545-1-645-1-644-1-654-1-646-1-1-1-1-1		
	0 Clean and Reshape Channels	0.00			
	5 Repair Lined Channel	0.00			
\$100 EXPRISE \$150 KT 625 KT 625 KT 630 KT 600 KT 6	Provide/Maintain Erosion Control	0.00			
Automotors return to the Co. No.	1 Provide/Maintain Dust Control	0.00			
	5 Clean Detention/Debris Basins	5,000.00			
	5 Fence Repair	2,500.00	ACTION OF THE PROPERTY OF THE		
\$2.00 PM	Vegetation Control - Chemical	1,000.00			
	5 Vegetation Control - Mechanical	0.00			
	Maintain Access Road	0.00			
	5 Clean & Inspect Inlet/Outlet Structures	0.00			
	Repair Inlet/Outlet Structures	0.00			
The state of the s	5 Clean Storm Sewer Lines	0.00			
7	0 Storm Sewer Repair	0.00			
	5 Clean/Flush Culverts & Bridges	0.00			
8	Miscellaneous Work Activities	1,000.00			
8	5 Engineering	0.00	***************************************		
	TOTALS	\$12,700.00			06/2018
Work comple Misc. maintenan	eted during prior fiscal year:				
Work to be co	ompleted during current fiscal year:			i a	
Misc. maintenan	ce. Clean inlet silt basin.				
					State
av III					
Consultant/					
Contractor:				***	
Project					
Manager:	Angelo Santovito	_ F	Phone Number:	455-7540	

MWP Facility			Entity:		County
Facility Name			Date Prepared:	4/2	8/2017
MP Facility ID					
MP Facility ID					
MP Facility ID					
MP Facility ID					
MP Facility ID					
MP Facility ID					
Force		Requested	Amended	D1	Scheduled
Account/	Activity	Work Plan	Work Plan	Percent	Completion
Contract	•	Amount (\$)	Amount (\$)	Complete	Date
	3 Facility Assessment and Inventory	\$2,000.00			
	5 Inspect Channels	3,000.00			
	6 Inspect Levees, Deten/Debris Basins	0.00			
	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels	5,000.00			
	15 Repair Lined Channel	5,000.00	na setamenen er		
and all the same of the same o	20 Provide/Maintain Erosion Control	0.00			
WERE ASSESSED AND ACRES AND ACRES	21 Provide/Maintain Dust Control	0.00	en er		
and the second s	25 Clean Detention/Debris Basins	0.00			
* LECTOR SCHOOL SCHOOL ST. BOX	35 Fence Repair	2,000.00			
A CARLING THE RESIDENCE OF THE PARTY OF THE	40 Vegetation Control - Chemical	2,500.00			
	45 Vegetation Control - Mechanical	5,000.00	BARBARBARBARBAR		
	50 Maintain Access Road	0.00			
2424242424242424242424242					
	55 Clean & Inspect Inlet/Outlet Structures	0.00			
	30 Repair Inlet/Outlet Structures	0.00			
THE RESIDENCE PROPERTY OF THE PARTY OF THE P	35 Clean Storm Sewer Lines	1,500.00	SAN MANGHUMAN MANGHABISAN		
	70 Storm Sewer Repair	1,500.00			
A Red and Advanced in the Con-	75 Clean/Flush Culverts & Bridges	0.00	0.0000000000000000000000000000000000000		
A STATE OF THE PARTY OF THE PARTY OF THE PARTY OF THE PARTY.	30 Miscellaneous Work Activities	15,000.00			
	35 Engineering	0.00			
	TOTALS	\$42,500.00	,		06/2018
	oblem areas: eted during prior fiscal year:		*		
Misc. maintena					
Work to be o	completed during current fiscal year:				
Misc. maintena	nce.				
Channel mainte	enance contract adjacent to beltway.				
100					
Contractor:					
Consultant/ Contractor: Project Manager:	Angelo Santovito		Phone Number:		

MWP Facili	ty #: CLA 20		Entity:			
Facility Nan	ne: Indian Springs	_	Date Prepared:	4/2	8/2017	
MP Facility	ID: ISWE 0100-1001	_				
MP Facility	ID:					
MP Facility	ID:	_				
MP Facility	ID:	-				
MP Facility						
MP Facility						
		•				
Force		Requested	Amended		Scheduled	
Account	Activity	Work Plan	Work Plan	Percent	Completion	
Contract		Amount (\$)	Amount (\$)	Complete	Date	
	3 Facility Assessment and Inventory	\$1,000.00				
E ENERGIA ERECEPTATA EN EN EN EN EN	5 Inspect Channels	1,000.00				
	6 Inspect Levees, Deten/Debris Basins	3,500.00				
	8 Species Survey and Removal	0.00				
	10 Clean and Reshape Channels	0.00				
	15 Repair Lined Channel	0.00				
	20 Provide/Maintain Erosion Control	0.00				
	21 Provide/Maintain Dust Control	0.00				
	A PROPERTY OF THE PROPERTY OF	A STATE OF THE PARTY OF THE PAR	astamustumbatem			
	25 Clean Detention/Debris Basins	2,500.00				
	35 Fence Repair	0.00	desperations and a second			
	40 Vegetation Control - Chemical	0.00				
	45 Vegetation Control - Mechanical	0.00	notani fatomina hamana baka kasa sa			
	50 Maintain Access Road	0.00				
	55 Clean & Inspect Inlet/Outlet Structures	0.00				
	60 Repair Inlet/Outlet Structures	0.00				
	65 Clean Storm Sewer Lines	0.00				
	70 Storm Sewer Repair	0.00				
	75 Clean/Flush Culverts & Bridges	0.00				
	80 Miscellaneous Work Activities	1,000.00				
e E es en l'este de la company de l'este	85 Engineering	0.00				
	TOTALS				06/2018	
Misc. mainter Work to be Misc. mainter	e completed during current fiscal year: nance of ISWE 0500.					
Consultantor: Contractor: Project						
Manager:	Angelo Santovito	F	Phone Number:	455-7540		

Facility Nam MP Facility I MP Facility I MP Facility I MP Facility I MP Facility I	D: EKEA 0000-0338 D: GOBE 0000-0139 D: GOBW 0000-0048 D: GONO 0117-0335		Date Prepared:		8/2017
MP Facility I MP Facility I MP Facility I MP Facility I	D: GOBE 0000-0139 D: GOBW 0000-0048 D: GONO 0117-0335	,			
MP Facility I MP Facility I MP Facility I	D: GOBW 0000-0048 D: GONO 0117-0335				
MP Facility I	D: GONO 0117-0335				
MP Facility I					
	D:				
Force		Requested	Amended	Percent	Scheduled
Account/	Activity	Work Plan	Work Plan	Complete	Completion
Contract		Amount (\$)	Amount (\$)	Complete	Date
	3 Facility Assessment and Inventory	\$1,000.00			
	5 Inspect Channels	3,000.00	Carry William Is allow a larger and white		
	6 Inspect Levees, Deten/Debris Basins	0.00			
	8 Species Survey and Removal	0.00			
	10 Clean and Reshape Channels/Levees	2,000.00			
	15 Repair Lined Channel	2,000.00			
	20 Erosion Control and Repair	10,000.00			
	21 Provide/Maintain Dust Control	0.00			
	25 Clean Detention/Debris Basins	0.00			
	35 Fence Repair	5,000.00			
	40 Vegetation Control - Chemical	2,000.00			
	45 Vegetation Control - Mechanical	0.00			
	50 Maintain Access Road	0.00			
	55 Clean & Inspect Inlet/Outlet Structures	0.00			
	60 Repair Inlet/Outlet Structures	0.00			
	65 Clean Storm Sewer Lines	5,000.00			
	70 Storm Sewer Repair	0.00			
AND CAST AND CAST	75 Clean/Flush Culverts & Bridges	0.00	Samuel Sa		
	80 Miscellaneous Work Activities	40,000.00			
	85 Engineering	0.00			
	TOTALS	\$70,000.00			06/2018
	pleted during prior fiscal year:				
Work to be	completed during current fiscal year:	THE STATE OF THE S			
Misc. mainten					
	stenance contract adjacent to beltway.				
- Chamber thair	itenunce contract adjacent to betway.				
Consultant/					



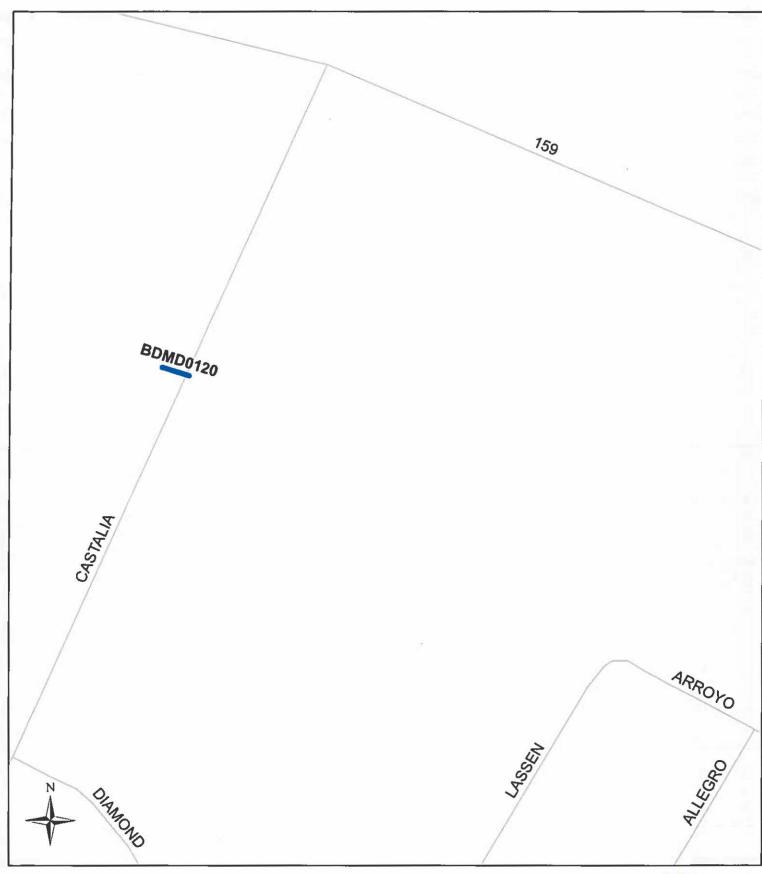
Channels/Storm Drains

Basins

LAS VEGAS VALLEY
FLOOD CONTROL FACILITIES
MAINTAINED BY CLARK COUNTY



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Legend

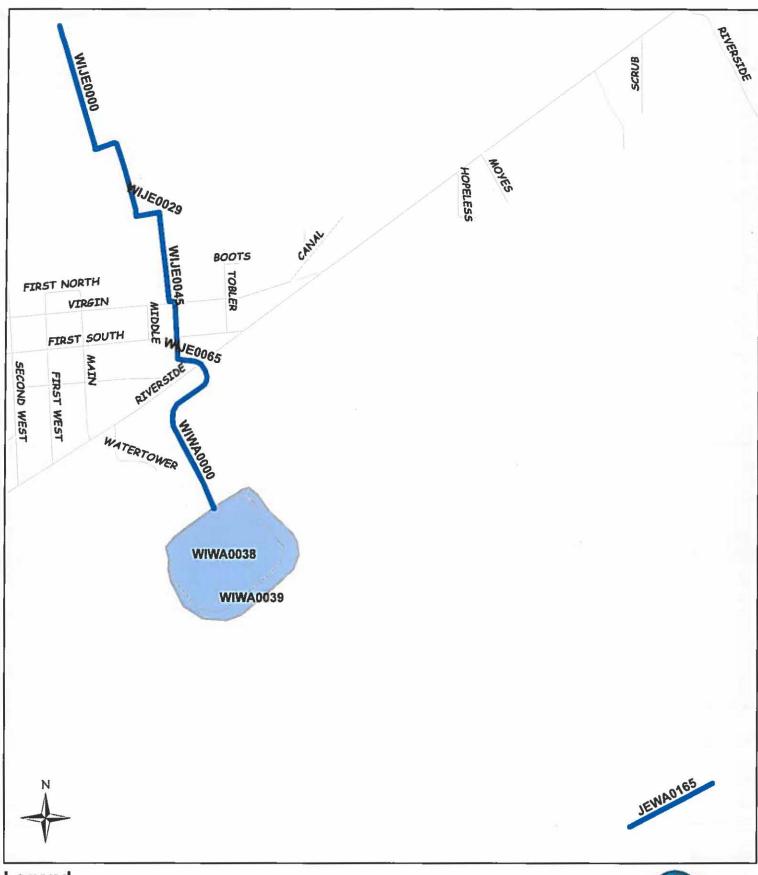
Channel/Storm Drains

BLUE DIAMOND CROSSING AT CASTALIA ST



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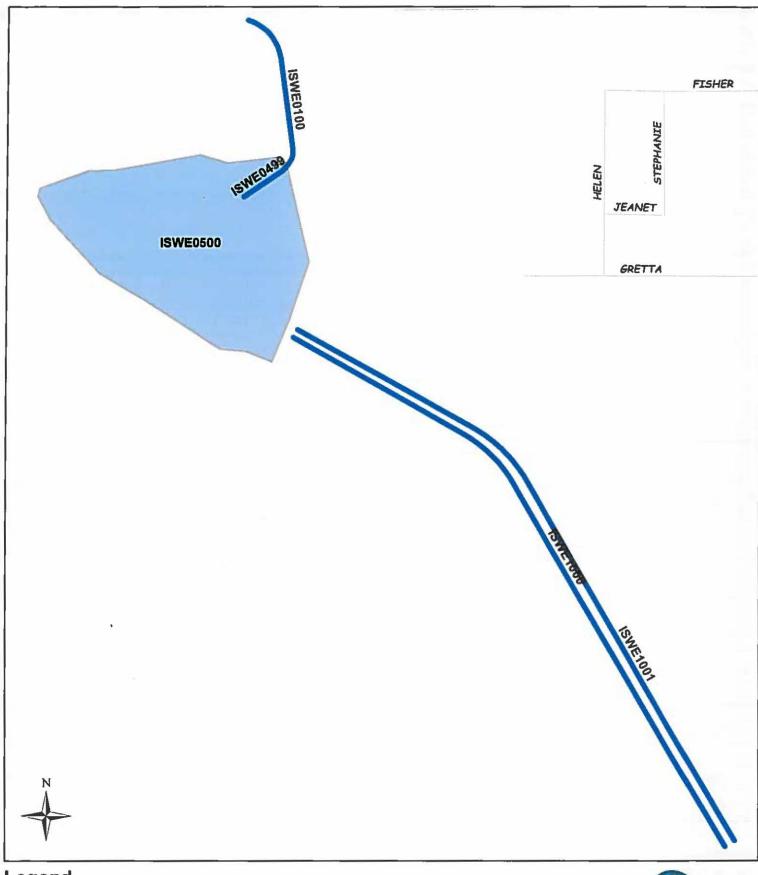




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Parish A and 19 2017





Channels/Storm Drains



INDIAN SPRINGS



The information portrayed is for shapley purposes only.

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Plantal: Acrel 33, 2017



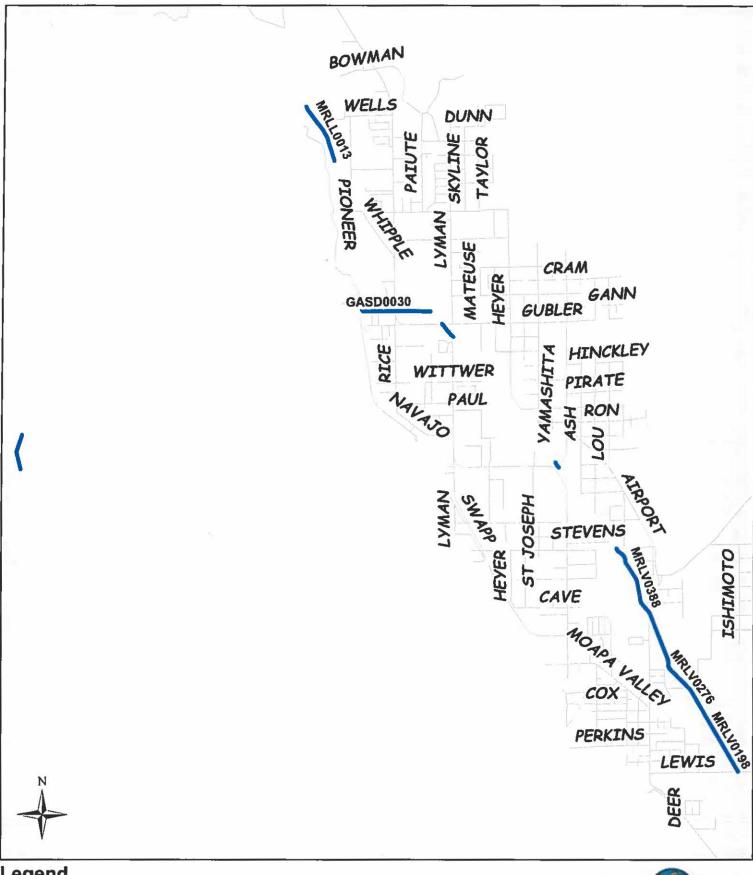
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Channels/Strom Drains

SEARCHLIGHT WASHES



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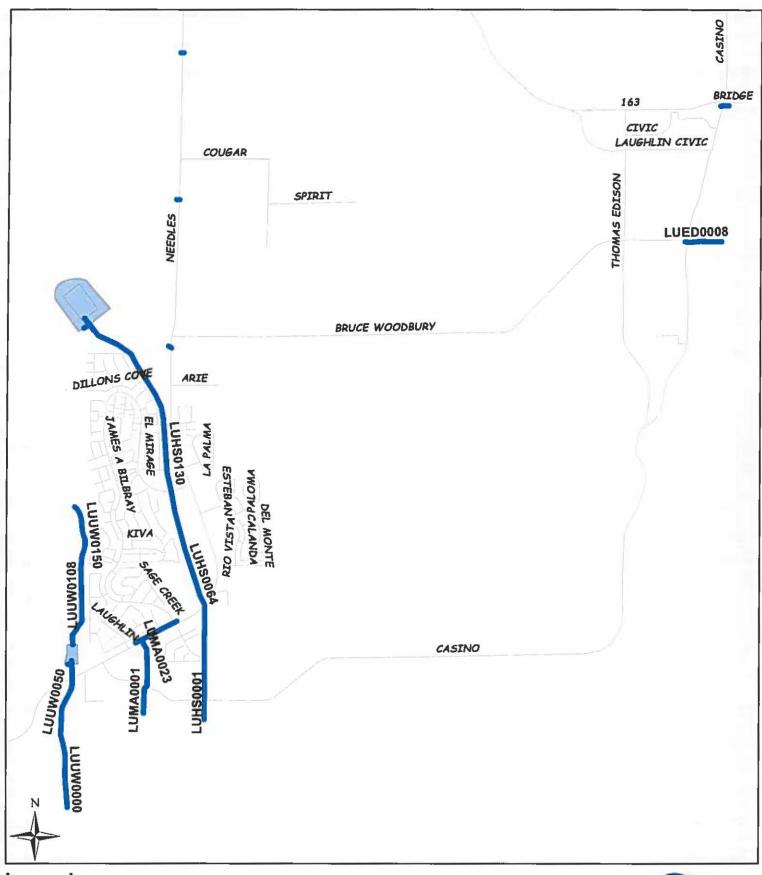
Legend

Channels/Storm Drains

Basins

MOAPA VALLEY WASHES







Channels/Storm Drains



LAUGHLIN WASHES



CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

ANNUAL MAINTENANCE WORK PROGRAM 2017-2018

PETITIONER:

CITY OF HENDERSON

RECOMMENDATION OF PETITIONER:

IT IS RECOMMENDED THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT APPROVE THIS INTERLOCAL CONTRACT FOR THE MAINTENANCE OF REGIONAL FLOOD CONTROL FACILITIES FOR FY 2017-2018 (FOR POSSIBLE ACTION)

FISCAL IMPACT:

The 2017-2018 Interlocal Contract is for \$1,761,550

BACKGROUND:

The 2017-2018 Maintenance Work Program has been developed to maintain Regional Flood Control facilities within the City of Henderson. The locations of the facilities to be maintained are shown on Exhibit "A" of the proposed Interlocal Agreement and the work to be performed is described in the work program which is attached.

Respectfully submitted,

DocuSigned by:

Robert C. Merr, P.E.

Director of Public Works

WCC:wcc

March 27, 2017

TAC AGENDA ITEM # 07 Date: 05/25/2017 RFCD AGENDA ITEM # 08 Date: 06/08/2017

CAC AGENDA ITEM # 07

Date: 05/25/2017

INTERLOCAL CONTRACT ANNUAL MAINTENANCE WORK PROGRAM

This CONTRACT, made and entered into this ______ day of _________, 2017, by and between the CITY OF HENDERSON, a political subdivision of the State of Nevada, hereinafter referred to as "CITY", and the CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT, hereinafter referred to as "DISTRICT".

WITNESSETH:

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve and fund projects to maintain flood control improvements; and

WHEREAS, pursuant to NRS 277.180 any one or more public agencies may contract with one or more other public agencies to perform any governmental service, activity or undertaking which any of the public agencies is authorized by law to perform; and

WHEREAS, the CITY desires to maintain flood control improvements within the CITY in accordance with the maintenance program set forth herein, and hereinafter referred to as "Project"; and

WHEREAS, the facilities upon which maintenance will be performed are facilities described in the DISTRICT'S Master Plan.

NOW, THEREFORE, in consideration of the covenants, conditions, agreements, and promises of the parties hereto, the DISTRICT authorizes the Project as it is mutually understood and agreed as follows:

SECTION I - SCOPE OF PROJECT

This Interlocal Contract applies to the maintenance of flood control facilities, which are identified in the DISTRICT'S Master Plan facilities including updates and amendments subsequently approved. The basic maintenance of the facilities will be in accordance with performance standards set forth in the current DISTRICT Operations and Maintenance Manual.

The Project is more specifically described in Exhibit "A" which is attached hereto and by this reference incorporated herein.

SECTION II - PROJECT COSTS

The DISTRICT agrees to make payment for Project costs within the limits specified below:

1. The Project costs shall not exceed \$1,761,550.

The amounts allocated to each individual facility within the Project must be specified in Exhibit "A". Any changes to said allocated amounts must be approved by the DISTRICT'S Chief Engineer in accordance with Section 4.24 of the DISTRICT *Operations and Maintenance Manual*.

A written request must be made to the DISTRICT and a Supplemental Interlocal Contract approved to increase the amount noted above prior to payment of any additional funds.

2. The CITY and DISTRICT will comply with Section 4.12 of the *Operations and Maintenance Manual*. In accordance with said manual the CITY shall submit invoices together with a detailed summary report of the maintenance service performed. The CITY shall submit an invoice voucher in the manner prescribed by the DISTRICT. The vouchers shall include such information as is necessary for the DISTRICT to determine the nature of all expenditures. Each voucher will clearly indicate that it is for services rendered in performance under this contract. Each voucher will also be accompanied by a written certification from the CITY stating that it is for performance of maintenance activities under this contract and is composed of completed elements set forth in the annual work program.

All invoices must be submitted for payment to:

Clark County Regional Flood Control District Accounts Payable 600 S. Grand Central Parkway, Suite 300 Las Vegas, Nevada 89106-4511

Payment shall be considered timely if made by the DISTRICT within 30 days of receipt of the invoice. Pursuant to Section IV, Paragraph 8, the DISTRICT may, in its sole discretion, withhold payments to the CITY for services rendered if the CITY fails to satisfactorily comply with any term or condition of this contract and/or the DISTRICT Operations and Maintenance Manual.

SECTION III - PROJECT TIME

The CITY agrees to perform the Project to the satisfaction of the DISTRICT between July 1, 2017 and June 30, 2018. The DISTRICT may grant extensions or terminate this contract and require all sums advanced to the CITY to be repaid if the CITY fails to perform by said date.

SECTION IV - GENERAL

 The CITY will complete the Project as set forth in Exhibit "A". The CITY staff personnel responsible for coordination of work under this contract are as listed below:

Robert C. Herr, P.E., Director - Public Works, Parks & Recreation Albert J. Jankowiak, P.E., CFM, Project Engineer III-Public Works

It is understood that staff named above will be responsible for work coordination throughout the period of this contract unless the DISTRICT is informed in writing of changes in these personnel assignments.

- The CITY will comply with the applicable provisions of the Local Government Purchasing
 Act, Chapter 332 and Public Works, Chapter 338, of the Nevada Revised Statutes.
- 3. Applicable portions of the current editions of the Operations and Maintenance Manual, Policies and Procedures Manual, Hydrologic Criteria and Drainage Design Manual, and Uniform Regulations for the Control of Drainage adopted by the DISTRICT will apply unless specifically superseded by this CONTRACT.
- 4. It is the intent of the DISTRICT that scheduling of maintenance and repair of drainage and flood control facilities in general and Master Plan Facilities specifically be coordinated among member entities. Therefore, in those cases where Master Plan approved, and DISTRICT-funded projects have regional flood control significance impacting more than one member entity, the CITY will allow all impacted member entities an opportunity to review the maintenance schedule in order to coordinate maintenance efforts.
- 5. The Chief Engineer or designee of the DISTRICT shall be responsible for monitoring the performance of the CITY, approval for payment of billings and expenses submitted by the CITY and the FY 17-18 HN MWP

acceptance of any report provided by the CITY. The CITY shall be responsible for monitoring performance of CITY staff or private contractors.

- 6. Accurate documentation of all work performed and payments made shall be maintained by the CITY for a period of three (3) years in hard copy form after final project approval and payments.
 Following the three year period, the CITY shall keep records for permanent storage in original form, in microfilm/fiche media, or an electronic format in accordance with the CITY Record Retention Schedule.
- 7. The CITY shall provide right of access to its facilities to the DISTRICT or Chief Engineer at all reasonable times, in order to monitor and evaluate performance, compliance, and/or quality assurance under this contract.
- 8. In the event the CITY fails to perform the maintenance according to the standards specified in this contract and the DISTRICT *Operations and Maintenance Manual*, the DISTRICT may perform or cause to be performed the maintenance necessary to assure proper operation of the facility. Costs incurred by the DISTRICT shall be reimbursed by the CITY or be deducted from the amount authorized by this contract. The DISTRICT may not exercise this right without giving the CITY specific written notice of the maintenance required and allowing the CITY 60 days within which to perform said maintenance. The notice required by this provision must be sent to:

Robert C. Herr, P.E., Director - Public Works, Parks & Recreation Albert J. Jankowiak, P.E., CFM, Project Engineer III-Public Works

- 9. The records of the CITY and/or private contractors pertaining to the subject matter of this contract shall at all reasonable times be subject to inspection and audit by the DISTRICT or an Agent of the DISTRICT.
- 10. If any provision of this contract shall be deemed in conflict with any statute or rule of law, such provision shall be deemed modified to be in conformance with said statute or rule of law.
- 11. The CITY, its employees, and representative shall at all times comply with all applicable laws, ordinances, statutes, rules, and regulations in effect at the time work is performed.

- 12. The CITY hereby agrees to reimburse the DISTRICT if funds are received from other sources for maintenance and repair of drainage and flood control facilities paid for by the DISTRICT.
- 13. The DISTRICT will not be responsible for any fines and/or penalties caused by the actions or inactions of CITY employees, consultants, contractors, or agents.
- 14. Any costs found to be improperly allocated to the Project will be refunded by the CITY to the DISTRICT.
- 15. It is specifically understood and agreed to by and between the parties hereto that it is not intended by any of the provisions of any part of this contract to create in the public or any member thereof a third party beneficiary hereunder, or to authorize anyone not a party to this contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this contract.
- 16. Up to the limits set forth in NRS Chapter 41, the CITY will indemnify and defend the DISTRICT against and from any and all claims and demands of whatsoever nature which arises out of allegations of negligence or misconduct of CITY officers, employees or agents, related to or under this Contract which results from injury to or death of any persons whomsoever, or against and from damage to or loss or destruction of property.
- 17. This agreement shall be construed and interpreted in accordance with the laws of the State of Nevada.

THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK

IN WITNESS WHEREOF, the parties have	ve caused this contract to be executed the day and year first
above written.	
Date of District Action:	REGIONAL FLOOD CONTROL DISTRICT
	Lawrence L. Brown III, Chairman
ATTEST:	
Deanna Hughes, Secretary of the Board	
Approved as to Form:	
Christopher Figgins, Chief Deputy Distric	t Attorney
**********	**************
Date of Council Action:	CITY OF HENDERSON
	Robert A. Murnane, City Manager
ATTEST:	Approved as to Legality and Form:
Sabrina Mercadante, MMC,	Josh M. Reid,
City Clerk	City Attorney
Approved as to Finance:	Approved as to Content:
Jim McIntosh Finance Director	Robert C. Herr, PE Director, Public Works Parks & Recreation

CITY OF HENDERSON MAINTENANCE WORK PROGRAM ANNUAL BUDGET FY 2017-18

	MWP Facility	The state of the s	
Master Plan Facility ID	Number	Facility Description	Cost
CICH 0000-0441, CICT 0000-0075, C1DC 0000-0303, C1E1 0000-0065, C1EQ 0000-0297, C1FK 0000-0073, C1HV 0000-0300, C1IT 0273, C1LM 0000-0130, C1RT 0000-0041, LLMW 0000, LLMW 0129, LLMW 0203	HN65	C1 NORTH	593,600.00
C1BH 0000-0214, C1CH 0455-0674, C1CH 0711, C1CH 0742- 1138, C1CH 0871-1138, C1GW 0000-0081, C1U1 0000-0062, C1US 0000-0078	HN66	C1 SOUTH	673,550.00
PTBR 0020-0175, PTGB 0058-0249, PTPA 0260, PTVW 0000-0187	HN67	PITTMAN CENTRAL NE	50,300.00
PTHR 0000-0210, PTIS 0000-0258, PTPD 0010-0063, PTRR 0000-0135, PTWH 0000-0118	HN68	PITTMAN CENTRAL SE	12,400.00
DCWA 0646-0670, PTCD 0013-0237, PTPE 0000-0166, PTRW 0000-0170, PTSW 0000-0129, PTWA 0000-0476, WWDC 0000-0084	HN69	PITTMAN CENTRAL NW	280,000.00
PTDW 0000-0088, PTFD 0000-0111, PTLM 0000-0078, PTMR 0000-0399, PTRE 0000-0246, PTST 0000-0170, PTVV 0000-0005	HN70	PITTMAN CENTRAL SW	18,000.00
PTAD 0000-0070, PTAN 0000-0280, PTAT 0000-0007, PTCR 0000-0036, PTDY 0000, PTEA 0493-0773, PTOG 0000-0016, PTPN 0000-0039, PTRD 0000-0055, PTSA 0000-0091, PTSE 0000-0346, PTSN 0000-0083, PTSS 0000-0012, PTWS 0000-0063	HN71	PITTMAN ANTHEM INSPIRADA	53,400.00
PTAP 0000-0191, PTBL 0150-0157, PTEA 0000-0230, PTEA 0244, PTEA 0437-0439, PTGV 0000-0073, PTHD 0000-0020, PTPW 0000-0309, PTSH 0011-0084	HN72	PITTMAN SEVEN HILLS	76,000.00
PTN1 0000, PTN2 0000, PTN2 0086-0251, PTN3 0000, PTN4 0000, PTN5 0000, PTN6 0000, PTN7 0000, PTN8 0000, PTNO 0190-0195, PTWA 0815-0983	HN73	PITTMAN WEST HENDERSON	4,300.00
		SUBTOTAL	\$1,761,550.00

Albert J. Jankowiak	07/01/17
Project Manager	Date

EXHIBIT "A"

MWP Facility#:	HN65			Entity:	CITY OF HENI	DERSON
Facility Name:	C1 NORTH			Date Prepared:	4/1/2017	
MP Facility ID:	CICH 0000-0441, CICT 0000-0075, C1DC 0000-0303, C1E1 0000-0073, C1HV 0000-0300, C1IT 0273, C1LM 0000-0130, 0129, LLMW 0203					
Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$150,000.00				
	5 Inspect Channels	\$4,200.00	1000	\$0.00	0%	
	6 inspect Levees/Detention and Debris Basins	\$6,600.00		\$0.00	0%	
	8 Species Survey and Removal	\$10,000.00		\$0.00	0%	
	O Clean and Reshape Channels/Levees	\$54,800.00		\$0.00	0%	
Annual Control of Cont	15 Repair Lined Channel	\$300,000.00		\$0.00	0%	
	20 Erosion Control and Repair 21 Provide/Maintain Dust Control	\$5,500.00	Hales H	\$0.00 \$0.00	0% 0%	
AND DESCRIPTION OF THE PERSON NAMED IN COLUMN	25 Clean Detention/Debris Basins	\$15,000.00	10.00	\$0.00	0%	1
	35 Fence Repair	\$12,500.00	Name of the last	\$0.00	0%	14416
Commence of the Party of the Pa	40 Vegetation Control - Chemical	\$12,500.00		\$0.00	0,0	
	15 Vegetation Control - Mechanical	\$12,500.00		\$0.00	0%	
	50 Maintain Access Road	\$5,000.00		\$0.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures					
	Repair Injet/Outlet Structures					3
	S5 Clean Storm Sewer Lines					
	70 Storm Sewer Repair					
	75 Clean/Flush Culverts & Bridges	\$5,500.00		\$0.00	0%	
	Miscellaneous Work Activities					
	25 Engineering	\$3,000.00		\$0.00	0%	
Deleve es Deckle	TOTALS	\$593,600.00	\$0.00	\$0.00		Jun-2018
Act 85 - Complete Work to be comp Act 3 - Select a co Remove and repla Ongoing fence rep	on 6/30/2016, required a shift in maintenance priorities identified during prior fiscal year: d engineering study of energy dissipator removal and replacementeted during current fiscal year: ensultant to start the Asset Management Program for Regional Florace energy dissipator at Drake Channel and C-1 Channel confluence in Act 45 - Ongoing vegetation removal. Act 50 and 75 - Post start.	nt at C1CH 0400 (C1 ood Control Facilities. nce, C1CH 0400. Act	Act 10 - Ongoing r 21, 25 - Ongoing r	naintenance to chan		
Contractor: Project Manager:	Albert J. Jankowiak	* .			(702) 267-302	4

MWP Facility#:	HN66	_		Entity:	CITY OF HEND	DERSON
Facility Name:	C1 SOUTH			Date Prepared:	4/1/2017	
MP Facility ID:	C18H 0000-0214, C1CH 0455-0674, C1CH 0711, C1CH 0742 0081, C1U1 0000-0062, C1US 0000-0078	-1138, C1CH 0871-1	138, C1GW 0000-			
Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$150,000.00				
	5 Inspect Channels	\$3,100.00		\$0.00	0%	
	6 Inspect Levees/Detention and Debris Basins	\$4,000.00		\$0.00	0%	
	8 Species Survey and Removal					1
	10 Clean and Reshape Channels/Leyees	\$1,000.00	3	\$0,00	0%	
	15 Repair Lined Channel					
	20 Erosion Control and Repeir			Language Control		
	21 Provide/Maintain Dust Control	\$10,000.00		\$0.00	0%	
	25 Clean Detention/Debris Basins	\$480,000,00		\$0.00	0%	
	35 Fence Repair	\$8,000 00		\$0.00	0%	*
	40 Vegetation Control - Chemical					
	45 Vegetation Control - Mechanical	\$5,000.00		\$0.00	0%	
	50 Maintain Access Road			4		
	55 Clean & Inspect Inlet/Outlet Structures	\$1,450.00		\$0.00	0%	
	50 Repair Inlet/Outlet Structures					
	65 Clean Storm Sewer Lines			-		
	70 Storm Sewer Repair					
	75 Clean/Flush Culverts & Bridges	\$1,000.00		\$0.00	0%	
	80 Miscellaneous Work Activities	\$5,000.00		\$0.00	0%	
	85 Engineering	\$5,000.00	\$0.00	\$0.00	0%	1
Delays or Probl	TOTALS	\$873,550.00	\$0.00	\$0.00		Jun-2018
Major storm ever and sediment rec	nt on 6/30/2016, required a shift in maintenance priorities identified moval at C1CH 0854. d during prior fiscal year:	in the budget. Act 2	5 and Act 15 - Did n	ot complete Mission	Hills Detention	Basin debris
Act 3 - Select a c	pleted during current fiscal year: consultant to start the Asset Management Program for Regional Flo	od Control Facilities.	Act 21, Act 25 and	I Act 85 - To complet	e Mission Hills I	Detention Basin
Consultant/ Contractor: Project	nent removal at C1CH 0854.					
Manager:	Albert J. Jankowiak			9	(702) 267-3024	4

MWP Facility#:	HN67			Entity:	CITY OF HEND	DERSON
Facility Name:	PITTMAN CENTRAL NE			Date Prepared:	4/1/2017	
MP Facility ID:	PTBR 0020-0175, PTGB 0058-0249, PTPA 0260, PTVW	0000-0187				
Force Account/ Contract	Activity	Approved Work Plan Amount (\$)		Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
1	3 Facility Assessment and Inventory		The state of			
	5 Inspect Channels	\$1,800.00		\$0.00	0%	
	6 Inspect Levees/Detention and Debris Basins	\$2,000.00		\$0.00	0%	
	8 Species Survey and Removal					
1.7	10 Clean and Reshape Channels/Levees	\$7,500,00		\$0.00	0%	
	15 Repair Lined Channel					
2	Erosion Control and Repair	\$1,000.00		\$0.00	0%	
2	21 Provide/Maintain Dust Control	\$1,500 00		\$0.00	0%	
2	25 Clean Detention/Debris Basins	\$20,000.00		\$0,00	0%	
3	35 Fence Repair	\$8,000.00		\$0.00	0%	
-	O Vegetation Control - Chemical					
The second second	5 Vegetation Control - Mechanical	\$4,000.00		\$0.00	0%	
	Maintain Access Road					
The second second	55 Clean & Inspect Inlet/Outlet Structures	\$2,500.00		\$0.00	0%	
	Repair Inlet/Outlet Structures					
Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, where the Owner, which is the Owner, wh	55 Clean Storm Sewer Lines					
101102	O Storm Sewer Repair					
the same of the sa	75 Clean/Flush Culverts & Bridges					
	Miscellaneous Work Activities	en non no		40.00	204	
	35 Engineering	\$2,000.00 TALS \$50,300.00	\$0.00	\$0.00	0%	1 - 0045
Delays or Problem		TALS \$50,300.00	\$0.00	\$0.00		Jun-2018
	on 6/30/2016, required a shift in maintenance priorities iden during prior fiscal year:	tified in the budget.				
	eleted during current fiscal year: unnels. Act 25 - Normal maintenance activity to clean out de	bris from Pioneer DB. Act	35 - Ongoing fence	e repair.		
Consultant/ Contractor: Project Manager:	Albert J. Jankowiak				(702) 267-302	4

MWP Facility#:	HN68	_			CITY OF HEN	DERSON
Facility Name:	PITTMAN CENTRAL SE	_		Date Prepared:	4/1/2017	
MD Facility ID.	DTUD AGON 0210 DTIS AGON 0258 DTDD AGON 0ASS DTDD	0000 0126 PTMAL	000 0116			
MP Facility ID:	PTHR 0000-0210, PTIS 0000-0258, PTPD 0010-0063, PTRR	0000-0135, P1 WH C	000-0116	-		
Force Account/	Activity	Approved Work		Total	Percent	Scheduled Completion
Contract	- William	Plan Amount (\$)	Plan Amount (\$)	Expenditures (\$)	Complete	Date
	3 Facility Assessment and Inventory					
	5 Inspect Channels	\$1,900.00		\$0.00	0%	
	6 inspect Levees/Detention and Debris Basins	\$1,500.00		30.00	0.0	
	8 Species Survey and Removal					
	10 Clean and Reshape Channels/Levees	\$2,000.00		\$0.00	0%	
	15 Repair Lined Channel			94.44		
The second second second	20 Erosion Control and Repair	A COLUMN TO SERVICE AND ADDRESS OF THE PARTY				
	21 Provide/Maintain Dust Control	\$1,500.00		\$0.00	0%	
Annual Control of the	25 Clean Detention/Debris Basins					
	35 Fence Repair	\$5,000.00		\$0.00	0%	
Annual Control of Cont	40 Vegetation Control - Chemical				-	3
	45 Vegetation Control - Mechanical	\$2,000.00		\$0.00	0%	
	50 Meintain Access Road					
	55 Clean & Inspect Inlet/Outlet Structures					
	60 Repair injet/Outlet Structures					
	65 Clean Storm Sewer Lines					
	70 Storm Sewer Repair	ut-vier Line				3
	75 Clean/Flush Culverts & Bridges		11			
	80 Miscellaneous Work Activities					
	85 Engineering					
	TOTALS	\$12,400.00	\$0.00	\$0.00		Jun-2018
Delays or Proble	m Areas:		-			
	t on 6/30/2016, required a shift in maintenance priorities identified	in the budget.				
Work completed	during prior fiscal year:					
Work to be come	pleted during current fiscal year:					
I TOTAL TO DO GOIN	stated during during the state four.					
Act 35 - Ongoing	fence repair. Act 45 - Ongoing vegetation control.					
Consultant/ Contractor:						
Project	· · · · · · · · · · · · · · · · · · ·					
Manager:	Albert J. Jankowiak				(702) 267-302	4

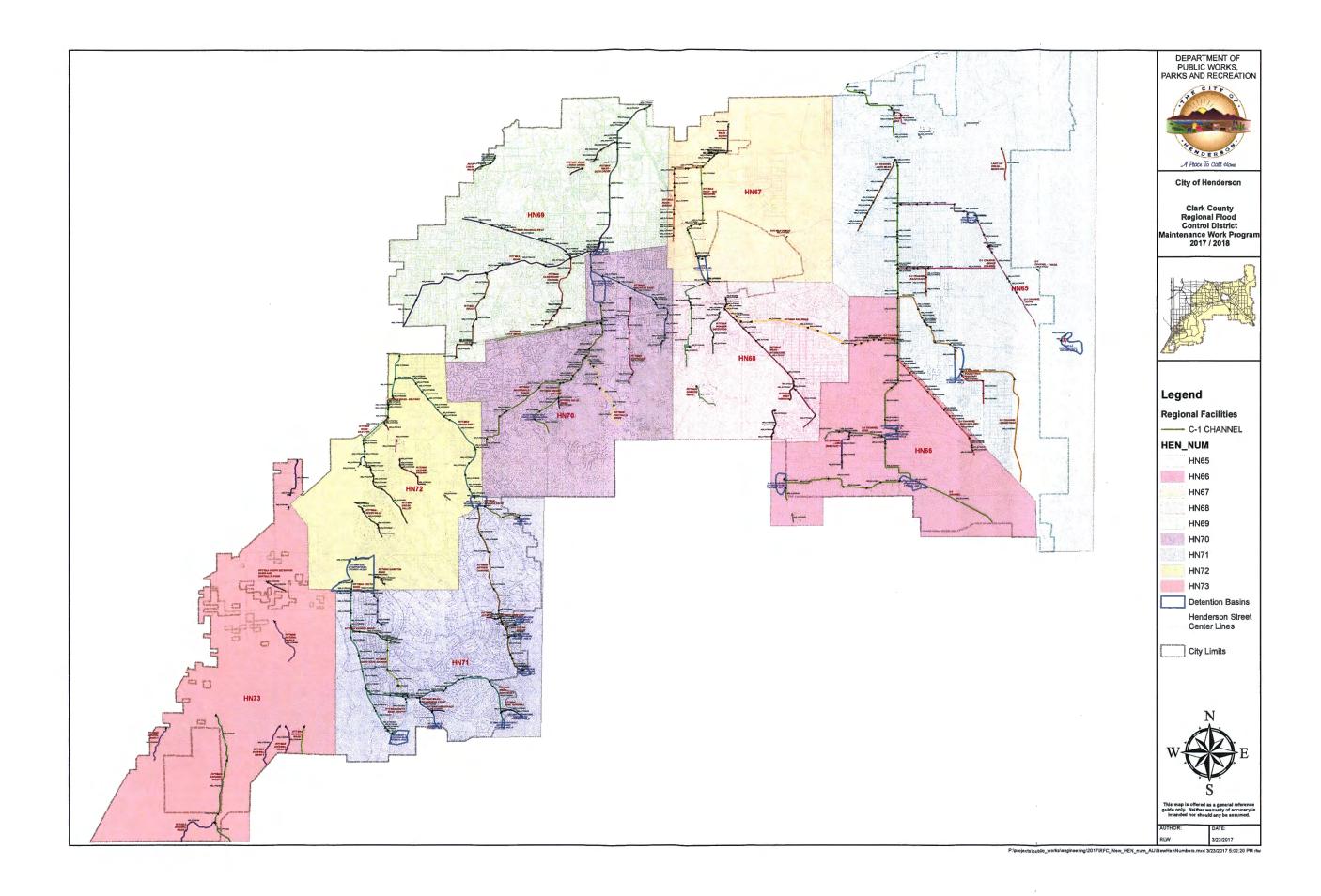
MWP Facility#:	HN69	_		Entity:	CITY OF HENE	DERSON
Facility Name:	PITTMAN CENTRAL NW	=		Date Prepared:	4/1/2017	
MP Facility ID:	DCWA 0846-0570, PTCD 0013-0237, PTPE 0000-0166, PTRV PTWA 0000-0476, WWDC 0000-0084	W 0000-0170, PTSW	0000-0129,	-		
Force Account/ Contract	Activity	Approved Work Plan Amount (\$)		Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory					
	5 Inspect Channels	\$6,500.00		\$0.00	0%	
	6 Inspect Levees/Detention and Debris Besins	\$1,500.00				
	8 Species Survey and Removal					
	10 Clean and Reshape Channels/Levees	\$10,000.00	100	\$0.00	0%	1
	15 Repair Lined Channel	\$15,000.00		\$0.00	0%	
	20 Erosion Control and Repair	\$10,000.00		\$0.00	0%	
	21 Provide/Maintain Dust Control	\$5.500.00		\$0.00	0%	
	25 Clean Detention/Debris Basins	\$2,000.00		\$0.00	0%	
	35 Fence Repair	\$11,000.00		\$0.00	0%	
the second second second	40 Vegetation Control - Chemical	\$5,000.00		\$0.00	0%	
	45 Vegetation Control - Mechanical	\$13,000.00		\$0.00	0%	
Control of the last of the las	50 Meintain Access Road					
	55 Clean & Inspect Inlet/Outlet Structures					1 1 1 1 1 1 1
	50 Repair Injet/Outlet Structures					
	55 Clean Storm Sewer Lines					-
	70 Storm Sewer Repair	BAR E MILE		The state of		
	75 Clean/Flush Culverts & Bridges				-	
The second secon	80 Miscellaneous Work Activities	\$500.00		\$0.00	0%	
	RS Engineering	\$200,000 00		\$0.00	0%	
	TOTALS	\$280,000.00	\$0.00	\$0.00	1 146	Jun-2018
	on Areas: t on 6/30/2016, required a shift in maintenance priorities identified during prior fiscal year:	in the budget.				
Act 15 - Complete	ed repair of the Pittman Wash at PTWA 0345. Act 20 - Completed pleted during current fiscal year:	repair of the Pittman	Wash at PTWA 01	52 (La Mancha Esta	les).	
Work to be comp	pleted during current fiscal year:					
	- Ongoing maintenance to channel after storm events. Act 35 - O				at. Act 85 - Eng	ineering study
Consultant/	erosion control facilities and Engineering evaluation of culvert head	uwan sanowedge Ch	anner at F13W 00		-	
Contractor: Project	200 000 000 000 000					
Manager:	Albert J. Jankowiak			9	(702) 267-302	4

MVVP Pacility#:	MN/0	_		Entity:	CITY OF HEN	DEKSON
Facility Name:	PITTMAN CENTRAL SW	_		Date Prepared:	4/1/2017	
MP Facility ID:	PTDW 0000-0088, PTFD 0000-0111, PTLM 0000-0078, PTMI 0000-0170, PTVV 0000-0005	R 0000-0399, PTRE	0000-0246, PTST	· ·		
Force Account/ Contract	Activity		Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
سر استنشار	3 Facility Assessment and Inventory					
- 197	5 Inspect Channels	\$2,500.00		\$0.00	0%	
	6 Inspect Levess/Detention and Debris Basins					
	8 Species Survey and Removal					
	10 Clean and Reshape Channels/Levees	\$9,500.00		\$0.00	0%	
	15 Repair Lined Channel					. 3
	20 Erosion Control and Repair					
	21 Provide/Maintain Dust Control	\$500.00		\$0.00	0%	
	25 Clean Detention/Debris Basins	\$1,000.00		\$0.00	0%	
	35 Fence Repair	\$2,000.00		\$0.00	0%	
	10 Vegetation Control - Chemical					
	15 Vegetation Control - Mechanical	\$2,500.00		\$0.00	0%	
	50 Maintain Access Road					
	55 Clean & Inspect Inlet/Outlet Structures					
	SO Repair Inlet/Outlet Structures					
	35 Clean Storm Sewer Lines					
	70 Storm Sewer Repair					
77-1	75 Clean/Flush Culverts & Bridges					
	Miscellaneous Work Activities					
	35 Engineering				1	
	TOTALS	\$18,000.00	\$0.00	\$0.00	Average 1	Jun-2018
	m Areas: on 6/30/2016, required a shift in maintenance priorities identified during prior fiscal year:	in the budget.				
	pleted during current fiscal year:	ine force manic A	→ 45. Oppoing upper	etation company		
Consultant	ngoing maintenance to channel after storm events. Act 35 - Ongo	ing tence repair. A	t 45 - Onguing Veg	etation removal,		
Contractor: Project Manager:	Albert J. Jankowiak				(702) 267-302	4

Facility Name:	PITTMAN ANTHEM INSPIRADA	_		Date Prepared:	AMPONT	DERSON
racinty Name.	PITTMAN ANTREM INSPIRADA			Data Frepared.	4/ 1/2017	
MP Facility ID:	PTAD 0000-0070, PTAN 0000-0280, PTAT 0000-0007, PTC 0773, PTOG 0000-0018, PTPN 0000-0039. PTRD 0000-005 PTSN 0000-0063, PTSS 0000-0012, PTWS 0000-0063			- ;		
Force Account/	Activity	Approved Work	Amended Work	Total	Percent	Scheduled Completion
Contract		Plan Amount (\$)	Plan Amount (\$)	Expenditures (\$)	Complete	Date
	3 Facility Assessment and Inventory				8	100
	5 Inspect Channels	\$4,500.00		\$0.00	0%	
	6 Inspect Leves/Detention and Debris Basins	\$4,900.00		\$0.00	0%	
	8 Species Survey and Removal					
	10 Clean and Reshape Channels/Leves	\$9,000.00		\$0.00	0%	
	15 Repair Lined Channel		. 1			
	20 Erosion Control and Repair					
	21 Provide/Meintain Dust Control	\$2,500.00		\$0.00	0%	
AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM	25 Clean Detention/Debris Basins	\$15,000.00		\$0.00	0%	
	35 Fence Repair	\$3,000.00		\$0.00	0%	
AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUM	40 Vegetation Control - Chemical			Action 1		
	45 Vegetation Control - Mechanical	\$7,000.00		\$0.00	0%	
	50 Maintain Access Road	\$500.00		\$0.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$2,500.00		\$0.00	0%	
Annual Control of Cont	60 Repair Inlet/Outlet Structures					
	65 Clean Storm Sewer Lines	\$500.00		\$0.00	0%	
	70 Storm Sewer Repair				10.00	
	75 Clean/Flush Culverts & Bridges	\$2,000.00				
	80 Miscellaneous Work Activities					
	85 Engineering	\$2,000.00		\$0.00	0%	
	TOTAL	S \$53,400,00	\$0.00	\$0.00		Jun-201
Delays or Proble	em Areas: ot on 6/30/2016, required a shift in maintenance priorities identifie	ed in the budget.				
Work completed	during prior fiscal year:					
Work to be com	pleted during current fiscal year:					
Act 10, 21, 25 - C	ongoing maintenance to channel after storm events. Act 35 - On	going fence repair. Ac	t 45 - Ongoing vege	etation removal	,	
C						
Consultant/ Contractor:						
	Albert J. Jankowiak				(702) 267-302	

MWP Facility#:	HN72	_		Entity:	CITY OF HEND	DERSON
Facility Name:	PITTMAN SEVEN HILLS	_		Date Prepared:	4/1/2017	
MP Facility ID:	PTAP 0000-0191, PTBL 0150-0157, PTEA 0000-0230, PTEA 00073, PTHD 0000-0020, PTPW 0000-0309, PTSH 0011-0084		439, PTGV 0000-			
Force Account/ Contract	Activity	Approved Work Plan Amount (\$)		Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory		the same of the			
	5 Inspect Chennels	\$2,500.00		\$0.00	0%	
	5 Inspect Levees/Detention and Debris Basins	\$6,000.00		\$0.00	0%	
	8 Species Survey and Removal					Branch Branch
	10 Clean and Reshape Channels/Levees	\$8,000.00		\$0.00	0%	
	15 Repair Lined Channel	\$10,000.00		\$0.00	0%	
The state of the s	20 Erosion Control and Repair					
	21 Provide/Maintain Dust Control	\$2,000.00				
Contract of the last of the la	25 Clean Detention/Debris Basins	\$6,500.00			F	
	35 Fence Repair	\$7,000.00		\$0.00	0%	
Annual Company of the	40 Vegetation Control - Chemical					
	45 Vegetation Control - Mechanical	\$30,000.00		\$0.00	0%	
The second second	50 Meintein Access Road					
	55 Clean & Inspect Inlet/Outlet Structures	\$2,000.00		\$0.00	0%	
The second secon	80 Repair Injet/Outlet Structures				0.0	
	65 Clean Storm Sewer Lines					
the second second second	70 Storm Sewer Repair					
	75 Clean/Flush Cuiverts & Bridges			***************************************		
STATE OF THE OWNER, WHEN PERSON NAMED IN	80 Miscellaneous Work Activities				100	
	85 Engineering	\$2,000.00		\$0.00	0%	
	TOTALS	THE RESERVE THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NAMED IN COLUMN T	\$0.00	\$0.00		Jun-2018
-	em Areas: t on 6/30/2016, required a shift in maintenance priorities identified during prior fiscal year:	in the budget.				
Act 85 - Complete Energy transmissi	ed feasability study for installing ramp at PTEA 0125. Study found ion conduit.	that ramp cannot be	constructed without	acquisition of right-o	of-way or reloca	ition of NV
Work to be comp	pleted during current fiscal year:					
	-					
Act 10, 15, 21, 25 capacity at PTAP	- Ongoing maintenance to channel after storm events. Act 35 - 0 0005-0018.	ngoing fence repair.	Act 45 - Remove o	vergrowth of vegetal	tion to reestablis	sh conveyance
Consultant/ Contractor: Project Manager:	Albert J. Jankowiak				(702) 267-302	4

MWP Facility#:	HN73	_		Entity:	CITY OF HENE	DERSON
Facility Name:	PITTMAN WEST HENDERSON	_		Date Prepared:	4/1/2017	
	PTN1 0000, PTN2 0000, PTN2 0086-0251, PTN3 0000, PTN4	0000, PTN5 0000, I	PTN6 0000, PTN7			
MP Facility ID:	0000, PTN8 0000, PTNO 0190-0195, PTWA 0815-0983			-		
Force	6 valutare	Approved Work	Amended Work	Total	Percent	Scheduled
Account/ Contract	Activity	Plan Amount (\$)	Plan Amount (\$)	Expenditures (\$)	Complete	Completion Date
-	71 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -	1				
	3 Facility Assessment and Inventory	*****		40.00	024	
	5 Inspect Channels	\$300.00		\$0.00	0%	
Lancia de la companya	8 Inspect Levees/Detention and Debris Basins	i i	L			
	8 Species Survey and Removal			-	223	
	10 Clean and Reshape Channels/Levees	\$1,000.00		\$0.00	0%	
	15 Repair Lined Channel			-		
	20 Erosion Control and Repair					
	21 Provide/Maintain Dust Control					
	25 Clean Detention/Debris Basins					
	35 Fence Repair	\$3,000.00		\$0.00	0%	
	10 Vegetation Control - Chemical					
	45 Vegetation Control - Mechanical					
	50 Meintein Access Road					
	55 Clean & Inspect Inlet/Outlet Structures					
	50 Repair Inlet/Outlet Structures					
	65 Clean Storm Sewer Lines					
	70 Storm Sewer Repair				Con needs	
	75 Clean/Flush Culverts & Bridges					8
	BO Miscellaneous Work Activities					
	85 Engineering					
	TOTALS	\$4,300.00	\$0.00	\$0.00	F-201611	Jun-2018
Delays or Proble	m Areas:					(1)4
Ų						
Major storm even	t on 6/30/2016, required a shift in maintenance priorities identified	in the budget.				^
Work completed	during prior fiscal year:					
Mork to be comp	pleted during current fiscal year:					
i						i
		antidation •31				
Act 10 - Ongoing	maintenance to channel after storm events. Act 35 - Ongoing fen	ce repair.				-
Consultant/						
Contractor:						
Project	A 100 A					
Мападел	Albert J. Jankowiak				(702) 267-302	4



CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

2017-2018 ANNUAL MAINTENANCE WORK PROGRAM BUDGET

PETITIONER: DAVID N. BOWERS, DIRECTOR

CITY OF LAS VEGAS – DEPARTMENT OF PUBLIC WORKS

RECOMMENDATION OF PETITIONER:

IT IS RECOMMENDED THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT APPROVE THIS INTERLOCAL CONTRACT FOR THE MAINTENANCE OF REGIONAL FLOOD CONTROL FACILITIES FOR THE FY 2017-2018 (FOR POSSIBLE ACTION).

FISCAL IMPACT: \$2,825,000.00

BACKGROUND:

The FY 2017-2018 Maintenance Work Program has been developed to maintain Regional Flood Control Facilities within the City of Las Vegas. The locations of the facilities to be maintained are shown on Exhibit "A" of the proposed Interlocal Agreement, and the work to be performed is described in the work program which is attached.

Respectfully submitted,

David N. Bowers, Director Department of Public Works TAC AGENDA | RFCD AGENDA | ITEM # 07 | ITEM # 08 | Date: 05/25/17 | Date: 06/08/17

CAC AGENDA ITEM # 07 Date: 05/25/17

INTERLOCAL CONTRACT ANNUAL MAINTENANCE WORK PROGRAM

THIS CONTRACT, made and entered into this ____ day of ______, 2017, by and between the CITY OF LAS VEGAS, a political subdivision of the State of Nevada, hereinafter referred to as "CITY", and the CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT, hereinafter referred to as "DISTRICT".

WITNESSETH:

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve and fund projects to maintain flood control improvements; and

WHEREAS, pursuant to NRS 277.180 any one or more public agencies may contract with one or more other public agencies to perform any governmental service, activity or undertaking which any of the public agencies is authorized by law to perform; and

WHEREAS, the CITY desires to maintain flood control improvements within the CITY in accordance with the maintenance program set forth herein, and hereinafter referred to as "Project"; and

WHEREAS, the facilities upon which maintenance will be done are facilities described in the DISTRICT'S Master Plan.

NOW, THEREFORE, in consideration of the covenants, conditions, agreements, and promises of the parties hereto, the DISTRICT authorizes the Project as it is mutually understood and agreed as follows:

SECTION I - SCOPE OF PROJECT

This Interlocal Contract applies to the maintenance of flood control facilities, which are identified in the DISTRICT'S Master Plan facilities including updates and amendments subsequently approved. The basic maintenance to the facilities will be in accordance with performance standards set forth in the current DISTRICT Operations and Maintenance Manual.

The Project is more specifically described in Exhibit "A" which is attached hereto and by this reference incorporated herein.

SECTION II - PROJECT COSTS

The DISTRICT agrees to make payment for Project costs within the limits specified below:

1. The Project costs shall not exceed \$2,825,000.00.

The amounts allocated to each individual facility within the Project must be specified in Exhibit "A". Any changes to said allocated amounts must be approved by the DISTRICT'S Chief Engineer in accordance with Section 4.24 of the DISTRICT *Operations and Maintenance Manual*.

A written request must be made to the DISTRICT and a Supplemental Interlocal Contract approved to increase the amount noted above prior to payment of any additional funds.

2. The CITY and DISTRICT will comply with Section 4.12 of the *Operations and Maintenance Manual*. In accordance with said manual the CITY shall submit invoices together with a detailed summary report of the maintenance service performed. The CITY shall submit an invoice voucher in the manner prescribed by the DISTRICT. The vouchers shall include such information as is necessary for the DISTRICT to determine the nature of all expenditures. Each voucher will clearly indicate that it is for services rendered in performance under this contract. Each voucher will also be accompanied by a written certification from the CITY stating that it is for performance of maintenance activities under this contract and is composed of completed elements set forth in the annual work program.

All invoices must be submitted for payment to:

Clark County Regional Flood Control District

Accounts Payable

600 S. Grand Central Parkway, Suite 300

Las Vegas, Nevada 89106-4511

Payment shall be considered timely if made by the DISTRICT within 30 days. Pursuant to Section IV, Paragraph 8, the DISTRICT may, in its sole discretion, withhold payments to the CITY for services rendered if the CITY fails to satisfactorily comply with any term or condition of this contract and/or the DISTRICT *Operations and Maintenance Manual*.

SECTION III - PROJECT TIME

The CITY agrees to perform the Project to the satisfaction of the DISTRICT between July 1, 2017 and June 30, 2018. The DISTRICT may grant extensions or terminate this contract and require all sums advanced to the CITY to be repaid if the CITY fails to perform by said date.

SECTION IV - GENERAL

1. The CITY will complete the Project as set forth in Exhibit "A". The CITY staff personnel responsible for coordination of work under this contract are as listed below:

David N. Bowers, Director of Public Works

It is understood that staff named above will be responsible for work coordination throughout the period of this contract unless the DISTRICT is informed in writing of changes in these personnel assignments.

- 2. The CITY will comply with Local Purchasing Act, Chapter 332 and Public Works Projects, Chapter 338, of the Nevada Revised Statutes.
- 3. Applicable portions of the current editions of the Operations and Maintenance Manual, Policies and Procedures Manual, Hydrologic Criteria and Drainage Design Manual, and Uniform Regulations for the Control of Drainage adopted by the DISTRICT will apply unless specifically superseded by this CONTRACT.
- 4. It is the intent of the DISTRICT that scheduling of maintenance and repair of drainage and flood control facilities in general and Master Plan Facilities specifically be coordinated among member entities. Therefore, in those cases where Master Plan approved, and DISTRICT-funded projects have regional flood control significance impacting more than one member entity, the CITY will allow all impacted member entities an opportunity to review the maintenance schedule in order to coordinate maintenance efforts.
- 5. The Chief Engineer or designee of the DISTRICT shall be responsible for monitoring the performance of the CITY, approval for payment of billings and expenses submitted by the CITY and the acceptance of any report provided by the CITY. The CITY shall be responsible for monitoring performance of CITY staff or private contractors.
- 6. Accurate documentation of all work performed and payments made will be maintained by the CITY for a period of three (3) years in hard copy form after final project

approval and payments. Following the three year period, the CITY shall keep records for permanent storage in original form, in microfilm/fiche media, or an electronic format.

- 7. The CITY shall provide right of access to its facilities to the DISTRICT or Chief Engineer at all reasonable times, in order to monitor and evaluate performance, compliance, and/or quality assurance under this contract.
- 8. In the event the CITY fails to perform the maintenance according to the standards specified in this contract and in the DISTRICT Operations and Maintenance Manual, the DISTRICT may perform or cause to be performed the maintenance necessary to assure proper operation of the facility. Costs incurred by the DISTRICT shall be reimbursed by the CITY or be deducted from the amount authorized by this contract. The DISTRICT may not exercise this right without giving the CITY specific written notice of the maintenance required and allowing the CITY 60 days within which to perform said maintenance. The notice required by this provision must be sent to:

David N. Bowers
Director of Public Works
City of Las Vegas
333 North Rancho Drive
Las Vegas, Nevada 89106

- 9. The records of the CITY and/or private contractors pertaining to the subject matter of this contract shall at all reasonable times be subject to inspection and audit by the DISTRICT or an Agent of the DISTRICT.
- 10. If any provision of this contract shall be deemed in conflict with any statute or rule of law, such provision shall be deemed modified to be in conformance with said statute or rule of law.
- 11. The CITY, its employees, and representative shall at all times comply with all applicable laws, ordinances, statutes, rules, and regulations in effect at the time work is performed.
- 12. The CITY hereby agrees to reimburse the DISTRICT if funds are received from other sources for maintenance and repair of drainage and flood control facilities paid for by the DISTRICT.

- 13. The DISTRICT will not be responsible for any fines and/or penalties caused by the actions or inactions of CITY employees, consultants, contractors, or agents.
- 14. Any costs found to be improperly allocated to the Project will be refunded by the CITY to the DISTRICT.
- 15. It is specifically understood and agreed to by and between the parties hereto that it is not intended by any of the provisions of any part of this contract to create in the public or any member thereof a third party beneficiary hereunder, or to authorize anyone not a party to this contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this contract.
- 16. Up to the limits set forth in NRS Chapter 41, the CITY will indemnify and defend the DISTRICT against and from any and all claims and demands of whatsoever nature which arises out of allegations of negligence or misconduct of CITY officers, employees or agents, related to or under this Contract which results from injury to or death of any persons whomsoever, or against and from damage to or loss or destruction of property.
- 17. This agreement shall be construed and interpreted in accordance with the laws of the State of Nevada.

IN WITNESS WHEREOF, the Parties have caused this Interlocal Contract to be executed by their duly authorized representatives the day and year first above written.

Date of Council Action	Date of District Action
City of Las Vegas	Regional Flood Control District
By: Carolyn G. Goodman, Mayor	By:
Attest	Attest
By: LuAnn Holmes City Clerk	By:
Approved as to Form	Approved as to Form
By:	By: Christopher Figgins Date Chief Deputy District Attorney

CITY OF LAS VEGAS MAINTENANCE WORK PLAN SUMMARY FISCAL YEAR 2017-2018

Master Plan Facility ID	MWP Facility Number	Facility Description	Cost
CACH, CABZ, CACN, LVBZ	LV51	Cedar Avenue Channel/Nellis System	\$50,000.00
GONO, GOSO, GOOF, GOCR, GOLM, GOBU, GOBW, APDG, APOF, APP1, GOTE, GO02, APNO, APSP, APBE, APSO, APMD, GOBE, GOL2, GOL3, GOL4, GOL5, APFH, APAD, APCB, APD3,			
GOWC, GODU, GOLB,			
GOLO, APFH, APNO	LV52	Gowan/Angel Park/Lone Mountain System	\$600,000.00
LVLM, LVSR, LV15, LVOW, LVRA, LVPK	LV53	Lake Mead/Smoke Ranch/Washington System	\$50,000.00
LVMD	LV54	Las Vegas Wash System	\$700,000.00
LCME, MECH, MEAL, MEPA, MEOK	LV55	Meadows/Oakey System	\$100,000.00
LCLT, WAPR, FWUP, LVWH, FW15, FWOK, FWWL, FWCH, FWSH, LCLO, WAGC, CHRA, LCCH	LV56	Washington Avenue/Las Vegas Creek System	\$225,000.00
RCHO, ANWE, RCHB, RCBC, EKDB, GOAN, CNGT, CNKC, EKHU, BCHU, TSDB, MSNV, LVMJ, LVDE, LVMD, CN95, EKBU, RACO, BRDB, TSDB, ANRB, CNWE,	LV57	US 95/Outer Beltway/Ann Road System	\$1,100,000.00
			\$0.805.006.50
		TOTAL	\$2,825,000.00

Oh Sang Kwon	4/1/2017
Engineering Project Manager	Date

MWP Facility #:		LV5t		_		Entity:	City of Las Vega	S
Facility Name	:	Cedar Avenue Channel/Nellis System	_		Date Prepared:	4/1/2017		
MP Facility II	D:	CACH 0000 - 0148,		_				
		CABZ 0000 - 0010, CACN 0000 - 0049,		_				
		LVBZ 0166 - 0224						
				_				
Force Account/ Contract		Activity		Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date *
FA	03	Facility Assessment and Inventory		\$5,000.00				Jun-18
FA	05	Inspect Channels		\$1,000.00				Jun-18
	06	Inspect Levees/Detention and Debris Basins						
	08	Species Survey and Removal						
FA	10	Clean and Reshape Channels/Levees		\$20,000.00			10.5	Jun-18
FA	15	Repair Lined Channel		\$5,000.00			1 4 4	Jun-18
	20	Erosion Control and Repair						
	21	Provide/Maintain Dust Control						
	25	Clean Detention Debris Basins						
	35	Fence Repair						
	40	Vegetation Control - Chemical						
	45	Vegetation Control - Mechanical						
	50	Maintain Access Road					100	
FA	55	Clean & Inspect Inlet/Outlet Structures		\$10,000.00			1 × 5 1	Jun-18
	60	Repair Inlet/Outlet Structures						
FA	65	Clean Storm Sewer Lines		\$2,000.00				Jun-18
FA	70	Storm Sewer Repair		\$1,000.00				Jun-18
FA	75	Clean/Flush Culverts & Bridges		\$2,000.00				Jun-18
FA	80	Miscellaneous Work Activities		\$3,000.00				Jun-18
FA	85	Engineering		\$1,000.00				Jun-18
			FALS	\$50,000.00	\$0.00	\$0.00	0.0%	
Delays or Pro	blem	Areas:						
Work comple	tod d	uring prior Fiscal Year:		18.4				
		nue channel twice a year (CACH 0000-0148) and graffit	i remo	oval. Routine mainte	nance work activitie	ės.		
		ted during current Fiscal Year:						
Inspect and cle	ean ste	orm drain facilities. Clean open channel twice a year (C	CACH	0000-0148) and grafi	liti removal. Routis	ne maintenance work	activities.	
Consultant/Co	ntract	lor:		N/A				
Project					J25 J25			
Manager:		Oh Sang Kwon, P.E./Matthew Meyer, P.E.			Phone Number:			702-229-6541

MWP Facility #:	LV52	Entity:	City of Las Vegas	
Facility Name:	Gowan/Angel Pk/Lone Mtn System	Date Prepared:	4/1/2017	
MP Facility ID:	GONO 0000 - 0110, GOSO 0000 - 0462, GODU 0000 - 0050, GOL5 0006-0032			
	GOOF 0427 - 0775, GOCR 0180 - 0201, GOLB 0000 - 0030, GOL3 0000-0115			
	GOLM 0000 - 0277, GOBU 0000 - 0085, GOBW 0000 - 0052, GOBE 0001-0139			

APDG 0000 - 0060, APOF 0000 - 0124, APP1 0000 - 0056, GOTE 0000
GO02 0000 - 0257, APNO 0015, APNO 0012, GOLO 0152-0275, APNO 0001-0004
APSP 0000 - 0183, APBE 0000 - 0122, APSO 0000, APSO 0020, APFH 0089
APSO 0204, APSO 0254, APSO 0255, APSO 0345, APMD 0027, GOL5 0000

APMD 0132, APMD 0190 - 0258, GOL2 0000 - 0014, APD3 0000 - 0021, GOWC 0000,

GOL4 0000 - 0026, APFH 0000 - 0061, APAD 0000 - 0225, APCB 0000 - 0080

Account/ Contract		Activity	,	Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date *
FA	03 Facility	Assessment and Inventory		\$7,000.00	***			Jun-18
FA	05 Inspect	Channels		\$6,000.00				Jun-18
FA	06 Inspect	Levees/Detention and Debris Basins		\$5,000.00				Jun-18
FA	08 Species	Survey and Removal		\$20,000.00				Jun-18
	10 Clean ar	nd Reshape Channels/Levees		\$10,000.00			-11	Jun-18
FA	15 Repair I	Lined Channel		\$75,000.00				Jun-18
FA	20 Erosion	Control and Repair		\$50,000.00				Jun-18
FA	21 Provide	Maintain Dust Control		\$10,000.00				Jun-18
FA	25 Clean D	etention Debris Basins		\$80,000.00				Jun-18
FA	35 Fence R	epair		\$50,000.00				Jun-18
	40 Vegetati	ion Control - Chemical		\$2,000.00			to a residence	Jun-18
FA	45 Vegetati	ion Control - Mechanical		\$20,000.00				Jun-18
	50 Maintai	n Access Road		\$5,000.00				Jun-18
FA	55 Clean &	Inspect Inlet/Outlet Structures		\$40,000.00			- 45 (4)	Jun-18
FA	60 Repair I	nlet/Outlet Structures		\$120,000.00				Jun-18
	65 Clean St	torm Sewer Lines		\$10,000.00				Jun-18
FA	70 Storm S	ewer Repair		\$20,000.00				Jun-18
FA	75 Clean/F	lush Culverts & Bridges		\$10,000.00				Jun-18
FA	80 Miscella	neous Work Activities		\$10,000.00				Jun-18
FA	85 Enginee	ring	13111	\$50,000.00				Jun-18
			TOTALS	\$600,000.00	\$0.00	\$0.00	0.0%	

Delays or Problem Areas:

Work completed during prior Fiscal Year:

Graffiti and trash removed within the Gilmore Channel (GOLM 0150 - 0240). Modify inlet structure at Lone Mountain Detention Basin for access. Repaired erosion damages in embankment of the detention basins. Cleaned and inspected detention basins. Routine maintenance work activities.

Work to be completed during current Fiscal Year:

Graffiti and trash removal. Vegetation control throughout the detention basins. Repair crack concrete and joint seals in various locations. Repair erosion damages in embankment of the detention basins. Clean and inspect detention basins. Repair fencing around the beltway channel. Routine maintenance work activities.

Consultant/Contractor:	N/A	
Project	•	
Manager: Oh Sang Kwon, P.E./Matthew Meyer, P.E.	Phone Number:	702-229-6541

MWP Facility #:		LV53	_	_		Entity:	City of Las Vega	S
Facility Nam	e;	Lake Mead/Smoke Ranch/Washington System		_		Date Prepared:	4/1/2017	
MP Facility I	D;	LVLM 0336 - 0525, LVSR 0312 - 0525,						
		LV15 0284 - 0409, LVOW 0000 - 0351,						
		LVRA 0000 - 0066, LVPK 0000 - 0130						
Force Account/ Contract		Activity		Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date *
FA	03	Facility Assessment and Inventory		\$5,000.00				Jun-18
FA	05	Inspect Channels		\$3,000.00				Jun-18
	06	Inspect Levees/Detention and Debris Basins					CONTRACTOR	
	08	Species Survey and Removal						
FA	10	Clean and Reshape Channels/Levees		\$2,500.00			51.3	Jun-18
FA	15	Repair Lined Channel		\$3,500.00			Carnin	Jun-18
	20	Erosion Control and Repair						
	21	Provide/Maintain Dust Control						4
	25	Clean Detention Debris Basins						
FA	35	Fence Repair		\$2,000.00				Jun-18
	40	Vegetation Control - Chemical				-		
	45	Vegetation Control - Mechanical						
	50	Maintain Access Road						
FA	55	Clean & Inspect Inlet/Outlet Structures		\$16,000.00				Jun-18
FA	60	Repair Inlet/Outlet Structures		\$5,000.00				Jun-18
FA	65	Clean Storm Sewer Lines		\$2,500.00				Jun-18
FA	70	Storm Sewer Repair		\$5,000,00				Jun-18
	75	Clean/Flush Culverts & Bridges				La		
FA	80	Miscellaneous Work Activities		\$2,500.00		-		Jun-18
FA	85	Engineering		\$3,000.00				Jun-18
			TOTALS	\$50,000.00	\$0.00	\$0.00	0.0%	
Delays or Pro	oblem	Areas:						
Work comple	eted d	uring prior Fiscal Year:					· · · · · · · · · · · · · · · · · · ·	* *
Routine main	tenano	ce work activities.	***			<u>.</u>		
		eted during current Fiscal Year:						
Remove debri	is, cle	an drop inlets, and repair any damages. Routine	maintenance	work activities.		M		A .
Consultant/Co	ontesc	tor		N/A				
Project	Jintac	W.		1775				
Manager:		Oh Sang kwon, P.E./Matthew Meyer, P.E.		-	Phone Number:			702-229-6541

MWP Facility #:		LV54	Entity: City of Las Vegas						
Facility Name	e:	Las Vegas Wash System	•		Date Prepared:	4/1/2017			
MP Facility I	D;	LVMD 1069 - 1354	•						
Force Account/ Contract		Activity	Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date ⁴		
FA	03	Facility Assessment and Inventory	\$25,000.00			74-5	Jun-18		
FA	05	Inspect Channels	\$20,000.00		1		Jun-18		
)	06	Inspect Levees/Detention and Debris Basins							
FA	08	Species Survey and Removal	\$10,000.00				Jun-18		
FA	10	Clean and Reshape Channels/Levees	\$75,000.00				Jun-18		
FA	15	Repair Lined Channel	\$320,000.00				Jun-18		
	20	Erosion Control and Repair	\$5,000.00				Jun-18		
	21	Provide/Maintain Dust Control				360			
	25	Clean Detention Debris Basins							
FA	35	Fence Repair	\$20,000.00				Jun-18		
	40	Vegetation Control - Chemical							
FA	45	Vegetation Control - Mechanical	\$173,000.00				Jun-18		
	50	Maintain Access Road	\$2,000.00				Jun-18		
	55	Clean & Inspect Inlet/Outlet Structures							
	60	Repair Inlet/Outlet Structures					1 7 7 7 9		
	65	Clean Storm Sewer Lines					15.5		
FA	70	Storm Sewer Repair	\$5,000.00				Jun-18		
FA	75	Clean/Flush Culverts & Bridges	\$5,000.00				Jun-18		
FA	80	Miscellaneous Work Activities	\$10,000.00				Jun-18		
FA	85	Engineering	\$30,000.00				Jun-18		
		TOTALS	\$700,000.00	\$0.00	\$0.00	0.0%			
	eted d	Areas: uring prior Fiscal Year:			\$0.00	0.0%			
B1-annual veg	etatio	n control and erosion control along the Las Vegas Wash. Rem	oved sediments and tras	sn.					
Work to be c	omple	eted during current Fiscal Year:							
		as Vegas Wash between Washington Avenue and Stewart Avenual. Routine maintenance work activities.	nue (LVMD 1120 – 117	78) for erosion cont	rol. Provide bi-annu	al vegetation contro	d. Continue with		
Consultant/Co	ontrac	tor:	N/A						
Project Manager:		Oh Sang Kwon, P.E./Matthew Meyer, P.E.		Phone Number:			702-229-6541		
2.0					•				

MWP Facilit	tv #:	LV55		*		Entity:	City of Las Vega	is
Facility Nam		Meadows/Oakey System				Date Prepared:		
MP Facility I		LCME 0000 - 0085, MECH 0059 - 0420,						
		MEAL 0000 + 0258, MEPA 0000 - 0025, ME	OK 0000 - 021	7				
Force Account/ Contract		Activity		Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date *
FA	03	Facility Assessment and Inventory		\$10,000.00				Jun-18
	05	Inspect Channels		\$1,000.00				Jun-18
	06	Inspect Levees/Detention and Debris Basins		\$1,000.00				Jun-18
	08	Species Survey and Removal		\$2,000.00				Jun-18
FA	10	Clean and Reshape Channels/Levees		\$10,000.00				Jun-18
FA	15	Repair Lined Channel		\$6,000.00				Jun-18
	20	Erosion Control and Repair		\$10,000.00				Jun-18
	21	Provide/Maintain Dust Control				The state of the		
FA	25	Clean Detention Debris Basins		\$10,000.00				Jun-18
	35	Fence Repair		\$2,000.00				Jun-18
	40	Vegetation Control - Chemical		\$2,000.00				Jun-18
	45	Vegetation Control - Mechanical		\$5,000.00				Jun-18
FA	50	Maintain Access Road		\$5,000.00				Jun-18
FA	55	Clean & Inspect Inlet/Outlet Structures		\$8,000.00				Jun-18
FA	60	Repair Inlet/Outlet Structures		\$8,000.00				Jun-18
	65	Clean Storm Sewer Lines		\$2,000.00				Jun-18
FA	70	Storm Sewer Repair		\$10,000.00				Jun-18
FA	75	Clean/Flush Culverts & Bridges		\$1,000.00				Jun-18
FA	80	Miscellaneous Work Activities		\$2,000.00				Jun-18
FA	85	Engineering		\$5,000.00				Jun-18
			TOTALS	\$100,000.00	\$0.00	\$0.00	0.0%	
Delays or Pr	oblem	Areas:		,000				
Work compl	eted d	uring prior Fiscal Year:						
	,							
				201 202 20		g 6 12121		
		from Oakey DB and Meadows DB. Repaired s ted during current Fiscal Year:	pillway erosion	is at Oakey DB. Ro	outine maintenance	work activities.	-	
WOLK TO DE C	ompie	ted during current rocar reat.						
		nd clean storm drain facilites. Remove sedime					and the state of the second contract of the s	store soil cement
embankment	spainin	g in Meadows DB. Address maintenance acce	ss and vegetani	on control in Mead	ows DB. Routille	maintenance work at	divides.	
<u> </u>			4545					
Consultant/Co	ontract	or:	N	//A				

Entity: City of Las Vegas

Date Prepared:

4/1/2017

MP Facility I	D:	LCLT 0000 - 0034, WAPR 0000 - 0132,						
		FWUP 0000 - 0100, LVWH 0086 - 0484,						
		FW15 0000 - 0301, FWOK 0000 - 0100, FW	WL 0000.					
		FWCH 0000 - 0060, FWSH 0000, LCCH 0513	3 - 0543,					
		LCLO 0000 - 0054, WAGC 0000 - 0060, CHF	RA 0000 - 001	4				
			56					
Force				Work Plan	Amended Work	Expended To Date		Scheduled
Account/ Contract		Activity		Amount (\$)	Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Completion Date *
FA	03	Facility Assessment and Inventory		\$10,000.00				Jun-18
FA	05	Inspect Channels		\$10,000.00				Jun-18
	06	Inspect Levees/Detention and Debris Basins		\$2,000.00				Jun-18
9	08	Species Survey and Removal						
FA	10	Clean and Reshape Channels/Levees		\$60,000.00		2		Jun-18
FA	15	Repair Lined Channel		\$50,000.00				Jun-18
475	20	Erosion Control and Repair		\$5,000.00				Jun-18
	21	Provide/Maintain Dust Control						
	25	Clean Detention Debris Basins		\$10,000.00				Jun-18
8	35	Fence Repair		\$5,000.00		1		Jun-18
	40	Vegetation Control - Chemical		\$2,000.00				Jun-18
	45	Vegetation Control - Mechanical		\$2,000.00				Jun-18
	50	Maintain Access Road		\$1,000.00			1 To 1 1	Jun-18
FA	55	Clean & Inspect Inlet/Outlet Structures		\$20,000.00				Jun-18
FA	60	Repair Inlet/Outlet Structures		\$5,000.00				Jun-18
FA	65	Clean Storm Sewer Lines		\$15,000.00				Jun-18
FA	70	Storm Sewer Repair		\$10,000.00				Jun-18
FA	75	Clean/Flush Culverts & Bridges		\$5,000.00				Jun-18
FA	80	Miscellaneous Work Activities		\$5,000.00			2.74	Jun-18
FA	85	Engineering		\$8,000.00				Jun-18
			TOTALS	\$225,000,00	\$0.00	\$0.00	0.0%	
Delays or Pro	10000	Areas: uring prior Fiscal Year:						
, work compa		aring prior t activities						
Removed and	clear	vegetation from the Rainbow Detention Basins.	Removed sed	liments and cleared	d vegetation from th	e Freeway Channel	openings along I-15	and Veterans
Memorial Dri	ve. R	outine maintenance work activities.						
		eted during current Fiscal Year:			Balaham Barania	. D	. I	
		cleaning of storm drain facilities. Repair erosion penings along I-15 and Veterans Memorial Drive						egetation from the
Consultant/Co	ontrac	tor:	N	/A				
Project Manager:		Oh Sang Kwon, P.E./Matthew Meyer, P.E.			Phone Number:			702-229-6541

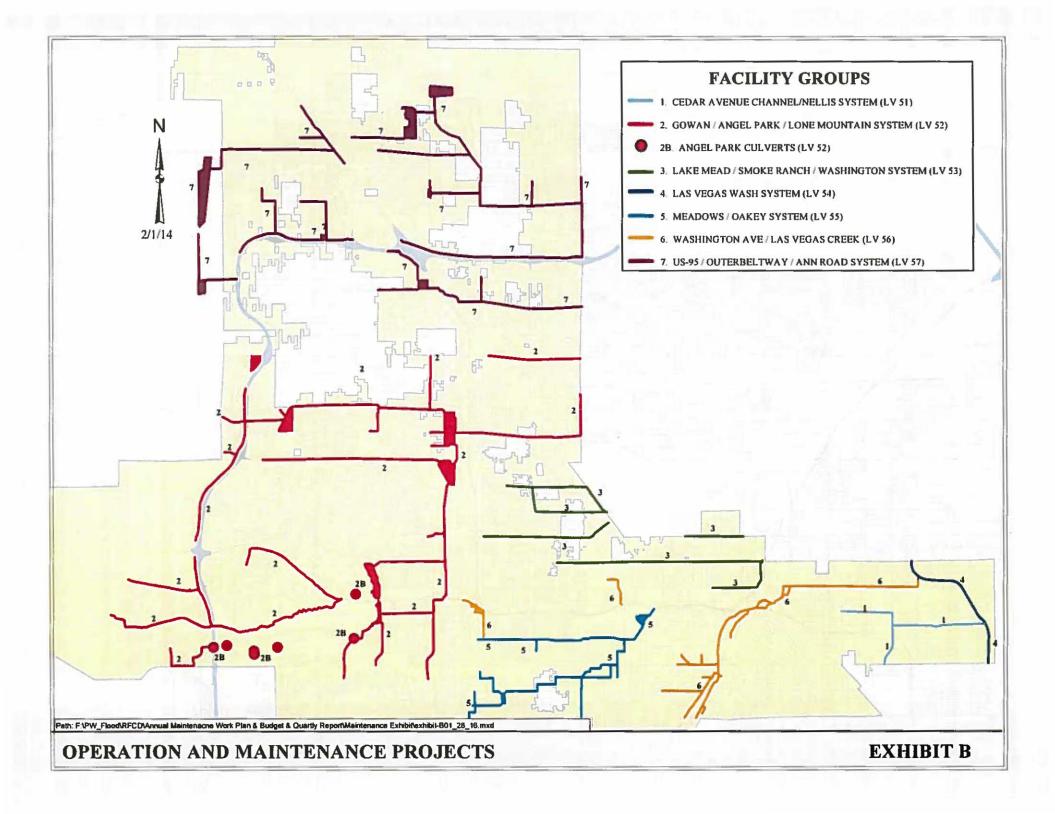
MWP Facility #:

Facility Name:

LV56

Washington Ave/Las Vegas Creek System

MWP Facilit	ty #:	LV57				City of Las Vega	5
Facility Name: MP Facility ID:		US95/OuterBeltway/Ann Road System			Date Prepared:	4/1/2017	
		RCHO 0000 - 0071, ANWE 0127 - 0385, CNWE 0020-031 RCHB 0171 - 0275, RCHB 0120, RCHB 0000-0083, RCBO					
		EKDB 0000 - 0070, GOAN 0000 - 0061, GOAN 0065-0127					
		CNGT 0000 - 0247, CNKC 0000 - 0024, LVMD 2324 - 278					
		EKHU 0000 - 0023, BCHU 0000 - 0054, TSDB 0000,					
		MSNV 0000, LVMJ 0000-0100, LVDE 0000-0027 CN95 0199 - 0333, EKBU 0000, LVMD 3313-3316					
		RACO 0000-0064, BRDB 0000-0032, TSDB 0000-0012					
1221							
Force Account/		Activity	Work Plan	Amended Work	Expended To Date	Percent Complete	Scheduled
Contract		Authy	Amount (\$)	Plan Amount (\$)	(\$)	refeelit Complete	Completion Date
	_	22.00					
FA	03	Facility Assessment and Inventory	\$10,000.00				Jun-18
	05	Inspect Channels	\$5,000.00				Jun-18
	06	Inspect Levees/Detention and Debris Basins	\$5,000.00				Jun-18
	08	Species Survey and Removal	\$2,000.00				Jun-18
	10	Clean and Reshape Channels/Levees	\$5,000.00				Jun-18
FA	15	Repair Lined Channel	\$50,000.00				Jun-18
FA	20	Erosion Control and Repair	\$105,000.00				Jun-18
FA	21	Provide/Maintain Dust Control	\$50,000.00				Jun-18
FA	25	Clean Detention Debris Basins	\$500,000.00				Jun-18
FA	35	Fence Repair	\$20,000.00				Jun-18
	40	Vegetation Control - Chemical	\$5,000.00				Jun-18
	45	Vegetation Control - Mechanical	\$5,000.00				Jun-18
FA	50	Maintain Access Road	\$50,000.00				Jun-18
FA	55	Clean & Inspect Inlet/Outlet Structures	\$20,000.00				Jun-18
FA	60	Repair Inlet/Outlet Structures	\$200,000.00				Jun-18
FA	65	Clean Storm Sewer Lines	\$20,000.00				Jun-18
FA	70	Storm Sewer Repair	\$20,000.00				Jun-18
FA	75	Clean/Flush Culverts & Bridges	\$10,000.00				Jun-18
FA	80	Miscellaneous Work Activities	\$10,000.00				Jun-18
FA	85	Engineering	\$8,000.00				Jun-18
		TOTALS	\$1,100,000.00	\$0.00	\$0.00	0.0%	
Delays or Pr	oblen	Areas:					*
- V V 3		luring prior Fiscal Year:					
Removed deb work activitie		diment, and vegetation control in verious detention basins. C	onstructed sedimer	t berms and erosion	n control in the Floyd	Lamb DB. Routin	e maintenance
DESCRIPTION OF THE PROPERTY OF	-	eted during current Fiscal Year;				-0.1	
		e access road to the inlets and outlets of the Elkhorn Springs I					
modify Floyd maintenance		DB for embankment erosions. Repair damaged control of acceptivities	cess. Address State	Dam Safety repair	request. Inspect an	d repair CC215 Cha	nnel. Routine
mannenance	WOLK (Deliting.					
		*					
Consultant/Co	ontrac	tor: N	I/A				
Project Manager:		Oh Sang Kwon, P.E./Matthew Meyer, P.E.		Phone Number:		9	702-229-6541



CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

Interlocal Agreement FY 2017/2018 Maintenance Work Program

PETITIONER:

Bill Tanner-Public Works Director for the City of Mesquite

RECOMMENDATION OF PETITIONER:

That the Clark County Regional Flood Control District approve the FY 2017/2018 Interlocal Agreement for the Maintenance Work Program

FISCAL IMPACT: \$334,800.00

BACKGROUND:

The FY 2017/2018 Maintenance Work Program has been developed to maintain Regional Flood Control facilities within the City of Mesquite. The locations of the facilities to be maintained are shown on Exhibit "A" of the proposed Interlocal Agreement, and the work to be performed is described in the work program which is attached.

Respectfully submitted,

Bill Tanner

Director of Public Works

TAC AGENDA ITEM # 07

Date: 5/25/17

CACAGENDA

ITEM # 07 Date: 05/25/17 RFCD AGENDA

ITEM #08

Date: 06/08/17

INTERLOCAL CONTRACT ANNUAL MAINTENANCE WORK PROGRAM

THIS CONTRACT made and entered into this _	day of	, 2017, by and					
between the City of Mesquite, a political subdivis	sion of the State of Nevada	a, hereinafter referred					
to as "CITY", and the CLARK COUNTY R	EGIONAL FLOOD CO	NTROL DISTRICT,					
hereinafter referred to as "DISTRICT".							

WITNESSETH:

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve and fund projects to maintain flood control improvements; and

WHEREAS, pursuant to NRS 277.180 any one or more public agencies may contract with one or more other public agencies to perform any governmental service, activity or undertaking which any of the public agencies is authorized by law to perform; and

WHEREAS, the CITY desires to maintain flood control improvements within the CITY in accordance with the maintenance program set forth herein, and hereinafter referred to as "Project"; and

WHEREAS, the facilities upon which maintenance will be performed are facilities described in the DISTRICT'S Master Plan.

NOW, THEREFORE, in consideration of the covenants, conditions, agreements, and promises of the parties hereto, the DISTRICT authorizes the Project as it is mutually understood and agreed as follows:

SECTION I - SCOPE OF PROJECT

This Interlocal Contract applies to the maintenance of flood control facilities, which are identified in the DISTRICT'S Master Plan facilities including updates and amendments subsequently approved. The basic maintenance of the facilities will be in accordance with performance standards set forth in the current DISTRICT Operations and Maintenance Manual.

The Project is more specifically described in Exhibit "A" which is attached hereto and by this reference incorporated herein.

SECTION II - PROJECT COSTS

The DISTRICT agrees to make payment for Project costs within the limits specified below:

1. The Project costs shall not exceed \$334,800.00.

The amounts allocated to each individual facility within the Project must be specified in Exhibit "A". Any changes to said allocated amounts must be approved by the DISTRICT'S Chief Engineer in accordance with Section 4.24 of the DISTRICT *Operations and Maintenance Manual*.

A written request must be made to the DISTRICT and a Supplemental Interlocal Contract approved to increase the amount noted above prior to payment of any additional funds.

2. The CITY and DISTRICT will comply with Section 4.12 of the *Operations and Maintenance Manual*. In accordance with said manual the CITY shall submit invoices together with a detailed summary report of the maintenance service performed. The CITY shall submit an invoice voucher in the manner prescribed by the DISTRICT. The vouchers shall include such information as is necessary for the DISTRICT to determine the nature of all expenditures. Each voucher will clearly indicate that it is for services rendered in performance under this contract. Each voucher will also be accompanied by a written certification from the CITY stating that it is for performance of maintenance activities under this contract and is composed of completed elements set forth in the annual work program.

All invoices must be submitted for payment to:

Clark County Regional Flood Control District Attn: Accounts Payable 600 S. Grand Central Parkway, Suite 300 Las Vegas, Nevada 89106-4511

Payment shall be considered timely if made by the DISTRICT within 30 days of receipt of the invoice. Pursuant to Section IV, Paragraph 8, the DISTRICT may, in its sole discretion, withhold payments to the CITY for services rendered if the CITY fails to satisfactorily comply with any term or condition of this contract and/or the DISTRICT *Operations and Maintenance Manual*.

SECTION III - PROJECT TIME

The CITY agrees to perform the Project to the satisfaction of the DISTRICT between July 1, 2017 and June 30, 2018. The DISTRICT may grant extensions or terminate this contract and require all sums advanced to the CITY to be repaid if the CITY fails to perform by said date.

SECTION IV - GENERAL

The CITY will complete the Project as set forth in Exhibit "A". The CITY staff
personnel responsible for coordination of work under this contract are as listed
below:

Andy Barton, City Manager Bill Tanner, Public Works Director

It is understood that staff named above will be responsible for work coordination throughout the period of this contract unless the DISTRICT is informed in writing of changes in these personnel assignments.

- The CITY will comply with the applicable provisions of the Local Government Purchasing Act, Chapter 332 and Public Works, Chapter 338, of the Nevada Revised Statutes.
- 3. Applicable portions of the current editions of the Operations and Maintenance Manual, Policies and Procedures Manual, Hydrologic Criteria and Drainage Design Manual, and Uniform Regulations for the Control of Drainage adopted by the DISTRICT will apply unless specifically superseded by this CONTRACT.
- 4. It is the intent of the DISTRICT that scheduling of maintenance and repair of drainage and flood control facilities in general and Master Plan Facilities specifically be coordinated among member entities. Therefore, in those cases where Master Plan approved, and DISTRICT-funded projects have regional flood control significance impacting more than one member entity, the CITY will allow all impacted member entities an opportunity to review the maintenance schedule in order to coordinate maintenance efforts.
- 5. The Chief Engineer or designee of the DISTRICT shall be responsible for monitoring the performance of the CITY, approval for payment of billings and expenses submitted by the CITY and the acceptance of any report provided by the CITY. The CITY shall be responsible for monitoring performance of CITY staff or private contractors.
- 6. Accurate documentation of all work performed and payments made shall be maintained by the CITY for a period of three (3) years in hard copy form after final project approval and payments. Following the three year period, the CITY shall keep records for permanent storage in original form, in microfilm/fiche media, or an electronic format in accordance with the CITY's Record Retention Schedule.
- 7. The CITY shall provide right of access to its facilities to the DISTRICT or Chief Engineer at all reasonable times, in order to monitor and evaluate performance, compliance, and/or quality assurance under this contract.

8. In the event the CITY fails to perform the maintenance according to the standards specified in this contract and the DISTRICT Operations and Maintenance Manual, the DISTRICT may perform or cause to be performed the maintenance necessary to assure proper operation of the facility. Costs incurred by the DISTRICT shall be reimbursed by the CITY or be deducted from the amount authorized by this contract. The DISTRICT may not exercise this right without giving the CITY specific written notice of the maintenance required and allowing the CITY 60 days within which to perform said maintenance. The notice required by this provision must be sent to:

Bill Tanner, Public Works Director City of Mesquite 10 E. Mesquite Boulevard Mesquite NV 89027

- The records of the CITY and/or private contractors pertaining to the subject matter of this contract shall at all reasonable times be subject to inspection and audit by the DISTRICT or an Agent of the DISTRICT.
- 10. If any provision of this contract shall be deemed in conflict with any statute or rule of law, such provision shall be deemed modified to be in conformance with said statute or rule of law.
- 11. The CITY, its employees, and representative shall at all times comply with all applicable laws, ordinances, statutes, rules, and regulations in effect at the time work is performed.
- 12. The CITY hereby agrees to reimburse the DISTRICT if funds are received from other sources for maintenance and repair of drainage and flood control facilities paid for by the DISTRICT.
- 13. The DISTRICT will not be responsible for any fines and/or penalties caused by the actions or inactions of CITY employees, consultants, contractors, or agents.
- 14. Any costs found to be improperly allocated to the Project will be refunded by the CITY to the DISTRICT.
- 15. It is specifically understood and agreed to by and between the parties hereto that it is not intended by any of the provisions of any part of this contract to create in the public or any member thereof a third party beneficiary hereunder, or to authorize anyone not a party to this contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this contract.
- 16. Up to the limits set forth in NRS Chapter 41, the CITY will indemnify and defend the DISTRICT against and from any and all claims and demands of whatsoever nature which arises out of allegations of negligence or misconduct of CITY officers, employees or agents, related to or under this Contract which results from

- injury to or death of any persons whomsoever, or against and from damage to or loss or destruction of property.
- 17. This agreement shall be construed and interpreted in accordance with the laws of the State of Nevada.

IN WITNESS WHEREOF, the parties have caused this contract to be executed the day and year first above written.

Date of District Action:	REGIONAL FLOOD CONTROL DISTRICT		
ATTEST	Lawrence L. Brown, III, Chairman		
Deanna Hughes Secretary to the Board			
APPROVED AS TO FORM			
Christopher Figgins Chief Deputy District Attorney			
**********	**************		
Date of Council Action:	CITY OF MESQUITE		
June 13, 2017			
ATTEST	Allan S. Litman, Mayor		
Tracy E. Beck, City Clerk			
APPROVED AS TO FORM			
Robert Sweetin, City Attorney			

CITY OF MESQUITE MAINTENANCE WORK PLAN SUMMARY FISCAL YEAR 2017-2018

Master Plan Facility ID	MWP Facility Number	Facility Description	Cost
TOWA 0000 thru 0201	ME01	Mesquite Town Wash	\$ 19,000.00
ABWA 0000 thru 0233	ME02	Abbott Wash Channel	\$ 14,300.00
TOWA 0237 thru 0240, MNTP 0000	ME04	Town Wash Detention Basin	\$ 202,400.00
PUWA 0000 thru 0164	ME07	Pulsipher Wash	\$ 29,400.00
ABWA 0234 thru 0236	ME08	Abbott Wash Detention Basin	\$ 40,000.00
PUWA 0166 thru 0168	ME09	Pulsipher Wash Detention Basin	\$ 29,700.00
		TOTAL	\$ 334,800.00

Project Manager

Data

MWP Facility #: ME01		Entity: City of Mesquite				
Faci	lity Name: Mesquite Town Wash	-	Do	ate Prepared:	Revised 03/	/13/17
MP	Facility ID: TOWA-0000 thru 0201	-			·	
	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment & Inventory	\$0.00	\$0.00	\$0.00		
5	Inspect Channels	\$300.00	\$0.00	\$0.00		
6	Inspect Levees/Detention & Debris Basins	\$0.00	\$0.00	\$0.00		
8	Species Survey & Removal	\$0.00	\$0.00	\$0.00		
10	Clean and Reshape Channels	\$6,900.00	\$0.00	\$0.00		A STATE OF THE STA
15	Repair Lined Channel	\$3,000.00	\$0.00	\$0.00		
20	Provide/Maintain Erosion Control	\$0.00	\$0.00	\$0.00		
21	Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
25	Clean & Inspect Detention Debris Basins	\$0.00	\$0.00	\$0.00	1124111	
	Fence Repair	\$0.00	\$0.00	\$0.00		
	Vegetation Control - Chemical	\$3,800.00	\$0.00	\$0.00		70.0
	Vegetation Control - Mechanical	\$2,000.00	\$0.00	\$0.00		
	Maintain Access Road	\$0.00	\$0.00	\$0.00		
	Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00	Tarry	
	Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	Storm Sewer Repair	\$0.00	\$0.00	\$0.00		
75	Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00	10,11,11	
1.75.0.75	Miscellaneous Work Activities	\$3,000.00	\$0.00	\$0.00		William St.
85	Engineering	\$0.00	\$0.00	\$0.00		
	TOTALS	\$19,000.00	\$0.00	\$0.00		Jun-18
Work cor	r problem areas: npleted during previous fiscal year: debris, clean drop inlets, and repair any damages. Ro	outine mainter	nance work ac	tivities.		
Work to b	pe completed during next fiscal year:	-		**	*	185000
SOUTH STREET,	to perform, repair & clean facility. Routine maintena	nce work acti	vities.			
Project M	Manager: Bill Tanner		· ·	Phone No:	(702) 3	46-5237

MWP Facility #: ME02 Entity: City of Mesquite Facility Name: Abbott Wash Channe! Date Prepared: Revised 03/13/17 MP Facility ID: ABWA-0000 thru 0233 Approved Amended Scheduled Expended To Percent Activity Work Plan Work Plan Completion Date (\$) Complete Amount (\$) Amount (\$) Date 3 Facility Assessment & Inventory \$0.00 \$0.00 \$0.00 5 Inspect Channels \$300.00 \$0.00 \$0.00 6 Inspect Levees/Detention & Debris Basins \$0.00 \$0.00 \$0.00 8 Species Survey & Removal \$0.00 \$0.00 \$0.00 10 Clean and Reshape Channels \$3,000.00 \$0.00 \$0.00 15 Repair Lined Channel \$0.00 \$0.00 \$0.00 20 Provide/Maintain Erosion Control \$3,000.00 \$0.00 \$0.00 21 Provide/Maintain Dust Control \$2,000.00 \$0.00 \$0.00 25 Clean & Inspect Detention Debris Basins \$0.00 \$0.00 \$0.00 35 Fence Repair \$0.00 \$0.00 \$0.00 40 Vegetation Control - Chemical \$2,500.00 \$0.00 \$0.00 \$0.00 45 Vegetation Control - Mechanical \$1,000.00 \$0.00 50 Maintain Access Road \$0.00 \$0.00 \$0.00 55 Clean & Inspect Inlet/Outlet Structures \$0.00 \$0.00 \$0.00 60 Repair Inlet/Outlet Structures \$0.00 \$0.00 \$0.00 65 Clean Storm Sewer Lines \$0.00 \$0.00 \$0.00 70 Storm Sewer Repair \$0.00 \$0.00 \$0.00 \$0.00 75 Clean/Flush Culverts & Bridges \$500.00 \$0.00 80 Miscellaneous Work Activities \$2,000.00 \$0.00 \$0.00 85 Engineering \$0.00 \$0.00 \$0.00 TOTALS \$14,300.00 \$0.00 \$0.00 Jun-18 Delays or problem areas: Work completed during previous fiscal year: Remove debris, clean drop inlets, and repair any damages. Routine maintenance work activities. Work to be completed during next fiscal year: Continue with sediment removal. Routine maintenance work activities.

Phone No:

(702) 346-5237

Bill Tanner

Project Manager:

MWP Facility #: ME04 Entity: City of Mesquite Date Prepared: Revised 03/13/17 Facility Name: Town Wash Detention Basin MP Facility ID: TOWA-0237 thru 0240, MNTP 0000 Approved Amended Scheduled Expended To Percent Activity Work Plan Work Plan Completion Date (\$) Complete Amount (\$) Date Amount (\$) \$0.00 \$0.00 3 Facility Assessment & Inventory \$0.00 \$0.00 5 Inspect Channels \$0.00 \$0.00 6 Inspect Levees/Detention & Debris Basins \$2,600.00 \$0.00 \$0.00 8 Species Survey & Removal \$0.00 \$0.00 \$0.00 10 Clean and Reshape Channels \$0.00 \$0.00 \$0.00 15 Repair Lined Channel \$0.00 \$0.00 \$0.00 20 Provide/Maintain Erosion Control \$0.00 \$0.00 \$0.00 21 Provide/Maintain Dust Control \$4,000.00 \$0.00 \$0.00 25 Clean & Inspect Detention Debris Basins \$185,000.00 \$0.00 \$0.00 35 Fence Repair \$0.00 \$0.00 \$0.00 40 Vegetation Control - Chemical \$0.00 \$0.00 \$0.00 45 Vegetation Control - Mechanical \$0.00 \$0.00 \$0.00 \$0.00 50 Maintain Access Road \$800.00 \$0.00 \$1,000.00 55 Clean & Inspect Inlet/Outlet Structures \$0.00 \$0.00 60 Repair Inlet/Outlet Structures \$0.00 \$0.00 \$0.00 65 Clean Storm Sewer Lines \$0.00 \$0.00 \$0.00 \$0.00 70 Storm Sewer Repair \$0.00 \$0.00 75 Clean/Flush Culverts & Bridges \$0.00 \$0.00 \$0.00 80 Miscellaneous Work Activities \$4,000.00 \$0.00 \$0.00 85 Engineering \$5,000.00 \$0.00 \$0.00 TOTALS \$202,400.00 \$0.00 \$0.00 Jun-18 Delays or problem areas: Work completed during previous fiscal year: The majority of funds used for this project went towards the costs associated to remove sediment from the wash after rain storms went through the Mesquite area leaving large amounts of sediment in the detention basin. Work to be completed during next fiscal year: Continue to haul off or relocate sediment from rain storm events. Repair erosion damages, remove debris from inlets and storm drains.

Project Manager: Phone No: (702) 346-5237

VP Facility #: ME07	Entity: City of Mesquite				
icility Name: Pulsipher Wash			Date Prepared:	Revised 03/	13/17
P Facility ID: PUWA-0000 thru 0164					
Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
3 Facility Assessment & Inventory	\$0.00	\$0.00	\$0.00		
5 Inspect Channels	\$300.00	\$0.00	\$0.00		
6 Inspect Levees/Detention & Debris Basins	\$0.00	\$0.00	\$0.00		
8 Species Survey & Removal	\$0.00	\$0.00	\$0.00		
10 Clean and Reshape Channels	\$14,000.00	\$0.00	\$0.00		
15 Repair Lined Channel	\$0.00	\$0.00	\$0.00		
20 Provide/Maintain Erosion Control	\$7,000.00	\$0.00	\$0.00	100 100	
21 Provide/Maintain Dust Control	\$2,000.00	\$0.00	\$0.00		
25 Clean & Inspect Detention Debris Basins	\$0.00	\$0.00	\$0.00		
35 Fence Repair	\$0.00	\$0.00	\$0.00		
40 Vegetation Control - Chemical	\$3,000.00	\$0.00	\$0.00		
45 Vegetation Control - Mechanical	\$0.00	\$0.00	\$0.00		
50 Maintain Access Road	\$0.00	\$0.00	\$0.00	The second	
55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
70 Storm Sewer Repair	\$0.00	\$0.00	\$0.00	1000	
75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0,00	132	
80 Miscellaneous Work Activities	\$3,100.00	\$0.00	\$0.00	F - 7	
85 Engineering	\$0.00	\$0.00	\$0.00		
TOTALS	\$29,400.00	\$0.00	\$0.00		Jun-18

(702) 346-5237

Phone No:

Project Manager:

MWP Facility #: ME08 Entity: City of Mesquite Facility Name: Abbott Wash Detention Basin Date Prepared: Revised 03/13/17 MP Facility ID: ABWA-0234 thru 0236 Approved Amended Scheduled Expended To Percent Activity Work Plan Work Plan Completion Date (\$) Complete Amount (\$) Amount (\$) Date \$0.00 \$0.00 3 Facility Assessment & Inventory \$0.00 \$0.00 \$0.00 \$0.00 5 Inspect Channels 6 Inspect Levees/Detention & Debris Basins \$2,500.00 \$0.00 \$0.00 8 Species Survey & Removal \$0.00 \$0.00 \$0.00 10 Clean and Reshape Channels \$0.00 \$0.00 \$0.00 15 Repair Lined Channel \$0.00 \$0.00 \$0.00 20 Provide/Maintain Erosion Control \$5,000.00 \$0.00 \$0.00 \$2,000.00 21 Provide/Maintain Dust Control \$0.00 \$0.00 25 Clean & Inspect Detention Debris Basins \$20,000.00 \$0.00 \$0.00 35 Fence Repair \$0.00 \$0.00 \$0.00 40 Vegetation Control - Chemical \$1,000.00 \$0.00 \$0.00 \$0.00 45 Vegetation Control - Mechanical \$0.00 \$0.00 50 Maintain Access Road \$1,000.00 \$0.00 \$0.00 \$2,500.00 55 Clean & Inspect Inlet/Outlet Structures \$0.00 \$0.00 60 Repair Inlet/Outlet Structures \$0.00 \$0.00 \$0.00 65 Clean Storm Sewer Lines \$0.00 \$0.00 \$0.00 70 Storm Sewer Repair \$0.00 \$0.00 \$0.00 75 Clean/Flush Culverts & Bridges \$0.00 \$0.00 \$0.00 Miscellaneous Work Activities \$1,000.00 \$0.00 \$0.00 80 85 Engineering \$5,000.00 \$0.00 \$0.00 TOTALS \$40,000.00 \$ Jun-18 Delays or problem areas: Work completed during previous fiscal year: The majority of funds used for this project went towards the costs associated to remove sediment from the wash after storms went through the Mesquite area leaving large amounts of sediment in the detention basin. Work to be completed during next fiscal year: Continue to haul off or relocate sediment from rain storm events. Repair erosion damages, remove debris from inlets and storm drains.

Phone No:

(702) 346-5237

Project Manager:

MWP Facility #: ME09 Entity: City of Mesquite Facility Name: Pulsipher Wash Detention Basin Date Prepared: Revised 03/13/17 MP Facility ID: PUWA-0166 thru 0168 Approved Amended Scheduled Expended To Percent Activity Work Plan Work Plan Completion Date (\$) Complete Amount (\$) Amount (\$) Date 3 Facility Assessment & Inventory \$0.00 \$0.00 \$0.00 5 Inspect Channels \$0.00 \$0.00 \$0.00 6 Inspect Levees/Detention & Debris Basins \$2,500.00 \$0.00 \$0.00 8 Species Survey & Removal \$0.00 \$0.00 \$0.00 10 Clean and Reshape Channels \$0.00 \$0.00 \$0.00 15 Repair Lined Channel \$0.00 \$0.00 \$0.00 20 Provide/Maintain Erosion Control \$7,700.00 \$0.00 \$0.00 21 Provide/Maintain Dust Control \$0.00 \$2,000.00 \$0.00 25 Clean & Inspect Detention Debris Basins \$10,000.00 \$0.00 \$0.00 35 Fence Repair \$0.00 \$0.00 \$0.00 40 Vegetation Control - Chemical \$0.00 \$1,000.00 \$0.00 45 Vegetation Control - Mechanical \$1,000.00 \$0.00 \$0.00 50 Maintain Access Road \$0.00 \$0.00 \$0.00 55 Clean & Inspect Inlet/Outlet Structures \$2,500.00 \$0.00 \$0.00 60 Repair Inlet/Outlet Structures \$0.00 \$0.00 \$0.00 65 Clean Storm Sewer Lines \$0.00 \$0.00 \$0.00 70 Storm Sewer Repair \$0.00 \$0.00 \$0.00 75 Clean/Flush Culverts & Bridges \$0.00 \$0.00 \$0.00 80 Miscellaneous Work Activities \$1,000.00 \$0.00 \$0.00 85 Engineering \$2,000.00 \$0.00 \$0.00 TOTALS \$29,700.00 \$0.00 \$0.00 Jun-18 Delays or problem areas: Work completed during previous fiscal year: The majority of funds used for this project went towards the costs associated to remove sediment from the wash after storms went through the Mesquite area leaving large amounts of sediment in the detention basin. Work to be completed during next fiscal Year: Continue to haul off or relocate sediment from rain storm events. Repair erosion damages, remove debris from inlets and storm drains. Beil Project Manager: Phone No: (702) 346-5237



Legend

- **Stormwater Facilities**
- **Washes**
- Basin
 - Interstate15
- Street Centerlines
- City Limits

M:\GISBase\Maps_Drawings\Public_Works\Washes\MWP_Mar15 Created: March 2015 This map is not intended for engineering purposes. Public Works Department





Exhibit "A" **Existing Stormwater Facilities** City of Mesquite, Nevada

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

AT	TTO	JE	MI	-
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2017/2018 MAINTENANCE WORK PROGRAM

PETITIONER:

CITY OF NORTH LAS VEGAS

RECOMMENDATIONS OF PETITIONER:

THAT THE REGIONAL FLOOD CONTROL DISTRICT APPROVE THE INTERLOCAL CONTRACT FOR THE 2017/2018 MAINTENANCE WORK PROGRAM (FOR POSSIBLE ACTION)

FISCAL IMPACT: \$1,717,500

BACKGROUND:

The 2017/2018, Maintenance Work Program has been developed to maintain Regional Flood Control facilities within the City of North Las Vegas. The locations of the facilities to be maintained are shown on Exhibit "A" of the proposed Interlocal Agreement, and the work to be performed is described in the work program, which is attached.

Respectfully submitted.

ector of Public Works

TAC AGENDA RFCD AGENDA ITEM # 07 ITEM #08

Date: 05/25/17 Date: 06/08/17

CAC AGENDA ITEM# 07 Date: 05/25/17

INTERLOCAL CONTRACT ANNUAL MAINTENANCE WORK PROGRAM

THIS CONTRACT, made and entered into this 1st day of July, 2017, by and between the City of North Las Vegas, a political subdivision of the State of Nevada, hereinafter referred to as City of North Las Vegas, and the CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT, hereinafter referred to as "DISTRICT".

WITNESSETH:

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve and fund projects to maintain flood control improvements; and

WHEREAS, pursuant to NRS 277.180 any one or more public agencies may contract with one or more other public agencies to perform any governmental service, activity or undertaking which any of the public agencies is authorized by law to perform; and

WHEREAS, the City of North Las Vegas desires to maintain flood control improvements within the City of North Las Vegas in accordance with the maintenance program set forth herein, and hereinafter referred to as "Project"; and

WHEREAS, the facilities upon which maintenance will be performed are facilities described in the DISTRICT'S Master Plan.

NOW, THEREFORE, in consideration of the covenants, conditions, agreements, and promises of the parties hereto, the DISTRICT authorizes the Project as it is mutually understood and agreed as follows:

SECTION I - SCOPE OF PROJECT

This Interlocal Contract applies to the maintenance of flood control facilities, which are identified in the DISTRICT'S Master Plan facilities including updates and amendments subsequently approved. The basic maintenance of the facilities will be in accordance with performance standards set forth in the current DISTRICT Operations and Maintenance Manual.

The Project is more specifically described in Exhibit "A" which is attached hereto and by this reference incorporated herein.

SECTION II - PROJECT COSTS

The DISTRICT agrees to make payment for Project costs within the limits specified below:

The Project costs shall not exceed \$1,717.500.

The amounts allocated to each individual facility within the Project must be specified in Exhibit "A". Any changes to said allocated amounts must be approved by the DISTRICT'S Chief Engineer in accordance with Section 4.24 of the DISTRICT *Operations and Maintenance Manual.*

A written request must be made to the DISTRICT and a Supplemental Interlocal Contract approved to increase the amount noted above prior to payment of any additional funds.

2. The City of North Las Vegas and DISTRICT will comply with Section 4.12 of the Operations and Maintenance Manual. In accordance with said manual the City of North Las Vegas shall submit invoices together with a detailed summary report of the maintenance service performed. The City of North Las Vegas shall submit an invoice voucher in the manner prescribed by the DISTRICT. The vouchers shall include such information as is necessary for the DISTRICT to determine the nature of all expenditures. Each voucher will clearly indicate that it is for services rendered in performance under this contract. Each voucher will also be accompanied by a written certification from the City of North Las Vegas stating that it is for performance of maintenance activities under this contract and is composed of completed elements set forth in the annual work program.

All invoices must be submitted for payment to:

Clark County Regional Flood Control District Accounts Payable 600 S. Grand Central Parkway, Suite 300 Las Vegas, Nevada 89106-4511

Payment shall be considered timely if made by the DISTRICT within 30 days of receipt of the invoice. Pursuant to Section IV, Paragraph 8, the DISTRICT may, in its sole discretion, withhold payments to the City of North Las Vegas for services rendered if the City of North Las Vegas fails to satisfactorily comply with any term or condition of this contract and/or the DISTRICT *Operations and Maintenance Manual*.

SECTION III - PROJECT TIME

The City of North Las Vegas agrees to perform the Project to the satisfaction of the DISTRICT between July 1, 2017 and June 30, 2018. The DISTRICT may grant extensions or

terminate this contract and require all sums advanced to the City of North Las Vegas to be repaid if the City of North Las Vegas fails to perform by said date.

SECTION IV - GENERAL

The City of North Las Vegas will complete the Project as set forth in Exhibit "A".
 The City of North Las Vegas staff personnel responsible for coordination of work under this contract are as listed below:

Jennifer Doody, P.E. CFM, Director of Public Works John Runiks, Manager of Infrastructure Maintenance

It is understood that staff named above will be responsible for work coordination throughout the period of this contract unless the DISTRICT is informed in writing of changes in these personnel assignments.

- The City of North Las Vegas will comply with the applicable provisions of the Local Government Purchasing Act, Chapter 332 and Public Works, Chapter 338, of the Nevada Revised Statutes.
- 3. Applicable portions of the current editions of the *Operations and Maintenance Manual*, *Policies and Procedures Manual*, *Hydrologic Criteria and Drainage Design Manual*, and *Uniform Regulations for the Control of Drainage* adopted by the DISTRICT will apply unless specifically superseded by this CONTRACT.
- 4. It is the intent of the DISTRICT that scheduling of maintenance and repair of drainage and flood control facilities in general and Master Plan Facilities specifically be coordinated among member entities. Therefore, in those cases where Master Plan approved, and DISTRICT-funded projects have regional flood control significance impacting more than one member entity, the City of North Las Vegas will allow all impacted member entities an opportunity to review the maintenance schedule in order to coordinate maintenance efforts.
- 5. The Chief Engineer or designee of the DISTRICT shall be responsible for monitoring the performance of the City of North Las Vegas, approval for payment of billings and expenses submitted by the City of North Las Vegas and the acceptance of any report provided by the City of North Las Vegas. The City of North Las Vegas shall be responsible for monitoring performance of City of North Las Vegas staff or private contractors.
- Accurate documentation of all work performed and payments made shall be maintained by the City of North Las Vegas for a period of three (3) years in hard copy form after

final project approval and payments. Following the three year period, the City of North Las Vegas shall keep records for permanent storage in original form, in microfilm/fiche media, or an electronic format in accordance with the City of North Las Vegas Record Retention Schedule.

- 7. The City of North Las Vegas shall provide right of access to its facilities to the DISTRICT or Chief Engineer at all reasonable times, in order to monitor and evaluate performance, compliance, and/or quality assurance under this contract.
- 8. In the event the City of North Las Vegas fails to perform the maintenance according to the standards specified in this contract and the DISTRICT *Operations and Maintenance Manual*, the DISTRICT may perform or cause to be performed the maintenance necessary to assure proper operation of the facility. Costs incurred by the DISTRICT shall be reimbursed by the City of North Las Vegas or be deducted from the amount authorized by this contract. The DISTRICT may not exercise this right without giving the City of North Las Vegas specific written notice of the maintenance required and allowing the City of North Las Vegas 60 days within which to perform said maintenance. The notice required by this provision must be sent to:

Jennifer Doody, P.E. CFM, Director of Public Works John Runiks, Manager of Infrastructure Maintenance

- 9. The records of the City of North Las Vegas and/or private contractors pertaining to the subject matter of this contract shall at all reasonable times be subject to inspection and audit by the DISTRICT or an Agent of the DISTRICT.
- 10. If any provision of this contract shall be deemed in conflict with any statute or rule of law, such provision shall be deemed modified to be in conformance with said statute or rule of law.
- 11. The City of North Las Vegas, its employees, and representative shall at all times comply with all applicable laws, ordinances, statutes, rules, and regulations in effect at the time work is performed.
- 12. The City of North Las Vegas hereby agrees to reimburse the DISTRICT if funds are received from other sources for maintenance and repair of drainage and flood control facilities paid for by the DISTRICT.

- 13. The DISTRICT will not be responsible for any fines and/or penalties caused by the actions or inactions of City of North Las Vegas employees, consultants, contractors, or agents.
- 14. Any costs found to be improperly allocated to the Project will be refunded by the City of North Las Vegas to the DISTRICT.
- 15. It is specifically understood and agreed to by and between the parties hereto that it is not intended by any of the provisions of any part of this contract to create in the public or any member thereof a third party beneficiary hereunder, or to authorize anyone not a party to this contract to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this contract.
- 16. Up to the limits set forth in NRS Chapter 41, the City of North Las Vegas will indemnify and defend the DISTRICT against and from any and all claims and demands of whatsoever nature which arises out of allegations of negligence or misconduct of City of North Las Vegas officers, employees or agents, related to or under this Contract which results from injury to or death of any persons whomsoever, or against and from damage to or loss or destruction of property.
- 17. This agreement shall be construed and interpreted in accordance with the laws of the State of Nevada.

Date of District Action:	REGIONAL FLOOD CONTROL DISTRICT
ATTEST:	BY: LAWRENCE L. BROWN, III, Chairman
Deanna Hughes Secretary to the Board	
Approved as to Form:	
BY: Christopher Figgins Chief Deputy District Attorney	_
********	**************
Date of Council Action:	City of North Las Vegas
	BY:
ATTEST:	John J. Lee, Mayor
Catherine A. Raynor, MMC	

IN WITNESS WHEREOF, the parties have caused this contract to be executed the day and year

first above written.

Regional Flood Control District Maintenance Work Plan Summary Annual Budget FY 2017-2018

Master Plan Facility ID	MWP Facility Number	Facility Description		Cost
LVNC 0000-0164	NLV01	Las Vegas Wash - "N" Channel	\$	77,575.00
LVMD 1648-1877	NLV02	Las Vegas Wash - Middle	s	152,571.00
LVKC 0000-0097	NLV03	Las Vegas Wash - King Charles Channel	s	57,071.00
RWWE 0055-0350, RWRR 0000-0092, RWWA 0000-0104, RWLA 0000-0047, RWCC 0000	NLV04	Vandenberg Detention Basin	s	102,071.00
LVUP 0388-0405	NLV05	North Las Vegas Detention Basin	s	177,500.00
LVUP 0908-1077	NLV06	Upper Las Vegas Wash Detention Basin & Moccasin Levee	s	151,500.00
LVLM 0000-0270	NLV07	Carey/Lake Mead Detention Basin	s	103,071.00
GOOF 0000-0224, GOCR 0000-0080, GOLO 0000-0100	NLV08	Gowan Outfall Channel	s	61,571.00
LVUP 0446-0493	NLV10	Upper Las Vegas Wash	s	23,000.00
LV03 0000-0131, LVSM 0000-0109	NLVII	Clayton Street Channel	s	52,571.00
LVMD 1905-2055	NLV12	Lower Las Vegas Detention Basin	s	94,071.00
LVMD 2060-2322, ANWE 0000-0122, CNWE 0000	NLV13	Western Trib - Ranch House Rd to Lower LV DB	s	58,071.00
LV06 0000-0147, LV05 0000-0131, LVBR 0000-0014, LVCL 0000	NLV14	Tributary to the Western Trib @ Craig Road	s	54,571.00
LVSR 0000-0295, LAAS 0000-0103, LAA'T 0000-0204, LANO 0000	NLV15	Las Vegas Wash - Smoke Ranch	s	50,571.00
LVUP 0000-0382, LVLO 0000-0025, TREA 0000-0134, CNEA 0000-0176, ANEA 0000-0040	NLV16	Upper Las Vegas Wash Channel	s	95,071.00
LVRW 0000-0293	NLV17	Range Wash - Las Vegas Wash Diversion & Levee	s	162,000.00
LVMD 1594-1647	NLV18	Cheyenne Peaking Basin	\$	68,071.00
LVMD 1355-1550	NLV19	Las Vegas Wash - Middle, Cheyenne Avenue to Owens Avenue	s	176,573.00
		Total:	\$	1,717,500.00

John Runiks

Project Manager

REGIONAL FLOOD CONTROL DISTRICT MAINTENANCE WORK PROGRAM ANNUAL BUDGET

MWP Facility #:	NLV01					City of North Las Vegas
Facility Name:	Las Vegas Wash - "N" Channel	-			Date Prepared:	02/16/17
MP Facility ID:	LVNC 0000-0164	•				
Force Account/ Contract	Activity	1	Requested Work Plan Arnount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$	500.00	500.00	0%	
	5 Inspect Channels	\$	500.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$	-	0.00		
	8 Species Survey and Removal	\$		0.00		
	10 Clean and Reshape Channel/Levees	\$	23,500.00	23,500.00	0%	
TOTAL LANGE	15 Repair Lined Channel	\$		0.00		
	20 Erosion Control and Repair	\$	-	0.00		
NAME OF STREET	21 Provide/Maintain Dust Control	\$	2,000.00	2,000.00	0%	PRODUCTION OF THE PARTY OF THE
	25 Clean Detention/Debris Basin	\$	-	0.00		
BUILD THAT	35 Fence Repair	\$	2,000.00	2,000.00	0%	
	40 Vegetation Control - Chemical	\$	2,000 00	2,000.00	0%	
CARL CARRE	45 Vegetation Control - Mechanical	\$		0.00		Name and Address of the Owner, where the Owner, while the
	50 Maintain Access Road	\$	7,500.00	7,500.00	0%	The state of the s
OF THE LIGHT !	55 Clean & Inspect Inlet/Outlet Structures	5		0.00	Mark Street	CHARLES SHOW IN COLUMN
	60 Repair Inlet/Outlet Structures	\$	-	0.00		
arren / milki	65 Clean Storm Sewer Lines	\$	14,075.00	14,075.00	0%	
	70 Storm Sewer Repair	\$	-	0.00		
DESCRIPTION OF THE RESERVE	75 Clean/Flush Culverts & Bridges	5	1,500.00	1,500.00	0%	ETHINGS BETWEEN THE
	80 Miscellaneous Work Activities	\$	24,000.00	24,000.00	0%	
dage relia;	85 Engineering	S		0.00	part of the s	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 1
1	TOTALS		77,575.00	77,575.00		06/30/18
Delays or proble	em areas:					•
Work completed of access roads.	I during prior fiscal year: Cleaned the vegetation and	l res	haped chann	el, cleaned the or	utlet structures ar	nd provided maintenance
	pleted during current fiscal year: Clean vegetation wance of access roads. Remove vegetation and graffitith			nent for the City's	backhoe, clean	outlet structures and
provide maintene	moo or access reads. Nomero regulation and granta an		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Consultant/						
Contractor						
Project						
Manager:	John Runiks				633-1267	

REGIONAL FLOOD CONTROL DISTRICT MAINTENANCE WORK PROGRAM ANNUAL BUDGET

MWP Facility #:	NLV02	-				City of North Las Vegas
Facility Name:	Las Vegas Wash - Middle	_			Date Prepared:	02/16/17
MP Facility ID:	LVMD 1648-1877	_				
Force Account/ Contract	Activity		Requested Work Plan Amount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$	500.00	500.00	0%	
	5 Inspect Channels	\$	2,000.00	2,000.00	0%	· · · · · · · · · · · · · · · · · · ·
	6 Inspect Levees/Detention Basin & Debris Basins	\$	-	0.00		
market interest	8 Species Survey and Removal	\$		0.00		
	10 Clean and Reshape Channel/Levees	\$	23,500.00	23,500.00	0%	
CONTRACTOR OF THE STATE OF THE	15 Repair Lined Channel	\$		0.00	MERLINI	
	20 Erosion Control and Repair	\$	3,500.00	3,500.00	0%	
	21 Provide/Maintain Dust Control	\$	2,000.00	2,000.00	0%	
	25 Clean Detention/Debris Basin	\$		0.00	AND DESCRIPTION OF THE PARTY OF	
ALTERNATION OF THE PARTY.	35 Fence Repair	5	19,000.00	19,000.00	0%	STATE OF THE PARTY
The second second	40 Vegetation Control - Chemical	\$	9,000.00	9,000.00	0%	
DECEMBER 1985	45 Vegetation Control - Mechanical	\$	15,000.00	15,000.00	0%	THE STATE OF THE S
	50 Maintain Access Road	\$	17,500.00	17,500.00	0%	
medical delibration	55 Clean & Inspect Inlet/Outlet Structures	\$	5,000.00	5,000.00	0%	CONTRACTOR AND ADDRESS OF THE PARTY OF THE P
NAME OF TAXABLE PARTY.	60 Repair Inlet/Outlet Structures	\$	•	0.00		
DEL LEGA	65 Clean Storm Sewer Lines	5	14,071.00	14,071.00	0%	Company of the latest and a
	70 Storm Sewer Repair	\$	•	0.00		
minimum rational	75 Clean/Flush Culverts & Bridges	S	5,000.00	5,000.00	0%	THE RESIDENCE OF
	80 Miscellaneous Work Activities	S	36,500.00	36,500.00	0%	
CONTRACTOR OF THE PARTY OF THE	85 Engineering	di		0.00		Dame to the later of
	TOTAL	s \$	152,571.00	152,571.00		06/30/18
Delays or proble	WILE AND A TOTAL OF THE ADDRESS OF T		•		•	
	during prior fiscal year: Staff has completed major	vege	tation removal	and maintenance	e of the access ro	pads and cleaned the
The state of the s	hannel. Major fence repairs were required.					
	pleted during current fiscal year: Staff will clean all and erosion as needed, and remove vegetation, debr				naintenance of al	l access roads. Repair
	100					
** *********						
Consultant/						
Contractor:						
Project						
Manager:	John Runiks				633-1267	

FY 2017-2018

MWP Facility #:	NLV03				Entity:	City of North Las Vegas
Facility Name:	Las Vegas Wash - King Charles Channel				Date Prepared:	02/16/17
MP Facility ID:	LVKC 0000-0097	_			5900	
Force Account/ Contract	Activity	١	Requested Work Plan Amount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$	500.00	500.00	0%	
DESCRIPTION OF THE PERSON NAMED IN COLUMN 1	5 Inspect Channels	\$	500.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$	-	0.00		
130 FEBRUARY 1-4103	8 Species Survey and Removal	\$		0.00		
	10 Clean and Reshape Channel/Levees	\$	4,000.00	4,000.00	0%	
WOLDER CHIEF	15 Repair Lined Channel	\$	4	0.00	MARKET STATES	
	20 Erosion Control and Repair	\$	3,500.00	3,500.00	0%	
March 1914	21 Provide/Maintain Dust Control	\$	A LONG BANK	0.00	Manda in a line of	
	25 Clean Detention/Debris Basin	\$	-	0.00		
DOMESTIC AND RESIDENCE	35 Fence Repair	\$	2,000.00	2,000.00	0%	CONTRACTOR OF THE PARTY OF THE
	40 Vegetation Control - Chemical	\$	3,000.00	3,000.00	0%	
Market LANK	45 Vegetation Control - Mechanical	\$	- 1	0.00	FIGURE 1	Series and the series of
	50 Maintain Access Road	\$	1,000.00	1,000.00	0%	
TEN 1-101 (4)198	55 Clean & Inspect Inlet/Outlet Structures	\$	-	0.00	EFFEKS	
	60 Repair Inlet/Outlet Structures	\$		0.00		
	65 Clean Storm Sewer Lines	\$	14,071.00	14,071.00	0%	STATE OF THE PARTY
	70 Storm Sewer Repair	\$	-	0.00		
less refer habits	75 Clean/Flush Culverts & Bridges	\$	2,000.00	2,000.00	0%	ALCOHOLD BUSINESS
	80 Miscellaneous Work Activities	\$	26,500.00	26,500.00	0%	
	85 Engineering			0.00		
	TOTA	LS	57,071.00	57,071.00		06/30/18
Delays or proble	em areas: I during prior fiscal year: General maintenance was	compl	otod			
Voik Completed	during prior listal year. General maintenance was	Compi	eleu,			
Work to be com and outlets.	pleted during current fiscal year: Clean vegetation,	graffiti	and debris fr	om the channel,	repair fencing as	needed, and clean inlets
Consultant/				1.7		
Project Manager:	John Runiks				633-1267	

IWP Facility #:	NLV04					City of North Las Vega
acility Name:	Vandenberg Detention Basin				Date Prepared:	02/16/17
P Facility ID:	RWWE 0055-0350, RWRR 0000-0092,					
	RWWA 0000-0104, RWLA 0000-0047, RWCC 0000					
Force Account/ Contract	Activity	٧	Requested Work Plan Amount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$	500.00	500.00	0%	(n = 1
TOTAL PARTY OF	5 Inspect Channels	\$	500.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$	1,500.00	1,500.00	0%	
	8 Species Survey and Removal	\$	1 3 F	0.00		
	10 Clean and Reshape Channel/Levees	\$	4,000.00	4,000.00	0%	
TOTAL COMP	15 Repair Lined Channel	\$	- 1	0.00		
	20 Erosion Control and Repair	\$	13,000.00	13,000.00	0%	
	21 Provide/Maintain Dust Control	\$	10,000.00	10,000.00	0%	BEST AND EXPERT
	25 Clean Detention/Debris Basin	\$	8,000 00	8,000.00	0%	
ATTOCK TO SERVER	35 Fence Repair	\$	13,000.00	13,000.00	0%	MENASTRE DE LA
	40 Vegetation Control - Chemical	\$	5,000.00	5,000.00	0%	
THE PARTY	45 Vegetation Control - Mechanical	\$	1,000.00	1,000.00	0%	THE RESERVE
	50 Maintain Access Road	\$	1,500.00	1,500.00	0%	
DESCRIPTION OF	55 Clean & Inspect Inlet/Outlet Structures	\$	3,500.00	3,500.00	0%	
	60 Repair Inlet/Outlet Structures	\$	-	0.00		
0.00	65 Clean Storm Sewer Lines	\$	14,071.00	14,071.00	0%	
	70 Storm Sewer Repair	\$	•	0.00		
	75 Clean/Flush Culverts & Bridges	\$	3,500.00	3,500.00	0%	
	80 Miscellaneous Work Activities	\$	23,000.00	23,000.00	0%	
	85 Engineering			0.00		
		\$	102,071.00	102,071.00		06/30/18
elays or problem						

MWP Facility #:	NLV05				Entity:	City of North Las Vegas
Facility Name:	North Las Vegas Detention Basin				Date Prepared:	02/16/17
MP Facility ID:	LVUP 0388-0405					
Force Account/ Contract	Activity	Work Dian		Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$	500.00	500.00	0%	
	5 Inspect Channels	\$	500.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basin	ns \$	4,500.00	4,500.00	0%	
	8 Species Survey and Removal	5		0.00	THE PART PARTY	union de la company de la comp
	10 Clean and Reshape Channel/Levees	\$	•	0.00		
	15 Repair Lined Channel	\$		0.00	EL LUE MAN	
	20 Erosion Control and Repair	\$	-	0.00		
	21 Provide/Maintain Dust Control	\$	20,000.00	20,000.00	0%	A Company of the Comp
	25 Clean Detention/Debris Basin	\$	80,000.00	80,000.00	0%	
MARKET PRINCES	35 Fence Repair	\$	2,000.00	2,000.00	0%	
	40 Vegetation Control - Chemical	\$	•	0.00		
101 201 111 110 1	45 Vegetation Control - Mechanical	\$	43,000.00	43,000.00	0%	A STATE OF THE PARTY OF THE PAR
	50 Maintain Access Road	\$	2,000.00	2,000.00	0%	
CONTRACTOR OF THE PARTY OF THE	55 Clean & Inspect Inlet/Outlet Structures	\$	3,500.00	3,500.00	0%	COLD STATE OF THE
	60 Repair Inlet/Outlet Structures	\$	_	0.00		
The state of the state of	65 Clean Storm Sewer Lines	\$	CAN HOLE PAY	0.00		Harris Marie Control
	70 Storm Sewer Repair	\$	-	0.00		
NUMBER OF STREET	75 Clean/Flush Culverts & Bridges	\$		0.00	THE PARTY NAMED IN	
	80 Miscellaneous Work Activities	\$	21,500.00	21,500.00	0%	
OTAL THE L	85 Engineering		11.32.17.1	0.00		
		ALS \$	177,500.00	177,500.00		06/30/18
Delays or proble	em areas: I during prior fiscal year: Staff provided erosion o	control	dust control a	as needed, fence	repairs as needed	d provided vegetation
	inlets and outlets and maintained access roads.			10 1100000, 101100	repaire do modeo.	a, provided vegetation
107 1 4 4	14.4.1.7		u a Nation	datata dasat sisata	1	
	pleted during current fiscal year: Staff will provide getation and graffiti, and provide fence repairs.	e erosio	on control, ma	aintain dust contro	oi, maintain acces	s roads, clean dutiets and
	3					
Consultant	1					
Contractor						
Projec			-			
Manager					633-1267	

MWP Facility #:	NLV06				Entity:	City of North Las Vegas
Facility Name:					Date Prepared:	02/16/17
MP Facility ID:	LVUP 0908-1077					
Force Account/ Contract	Activity	,	Requested Work Plan Amount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$	500.00	500.00	0%	
	5 Inspect Channels	\$	500.00	500.00	0%	Fig. 1 Plant 4
	6 Inspect Levees/Detention Basin & Debris Basins	\$	5,500.00	5,500.00	0%	
DESCRIPTION OF THE PERSON NAMED IN	8 Species Survey and Removal	\$	3,000.00	3,000.00	0%	
	10 Clean and Reshape Channel/Levees	\$	8,000.00	8,000.00	0%	
La ser rittig to	15 Repair Lined Channel	\$		0.00		Marin and American
	20 Erosion Control and Repair	\$	40,000.00	40,000.00	0%	
	21 Provide/Maintain Dust Control	\$	20,000.00	20,000.00	0%	STREET STREET, STREET
	25 Clean Detention/Debris Basin	\$	40,000.00	40,000.00	0%	
NAME OF STREET	35 Fence Repair	\$	3,500.00	3,500.00	0%	
	40 Vegetation Control - Chemical	\$	3,000.00	3,000.00	0%	
	45 Vegetation Control - Mechanical	\$	5,500.00	5,500.00	0%	
	50 Maintain Access Road	\$	1,500.00	1,500.00	0%	
CARL LIVER IN	55 Clean & Inspect Inlet/Outlet Structures	\$		0.00		
	60 Repair Inlet/Outlet Structures	\$	-	0.00		
CONTRACTOR	65 Clean Storm Sewer Lines	\$		0.00	REAL PROPERTY.	NAME OF THE OWNER, WATER
	70 Storm Sewer Repair	\$	-	0.00		
	75 Clean/Flush Culverts & Bridges	\$		0.00		
	80 Miscellaneous Work Activities	\$	20,500.00	20,500.00	0%	
	85 Engineering			0.00	المراب المسالي	
	TOTALS	5	151,500.00	151,500.00		06/30/18
Delays or proble						
	during prior fiscal year: Staff provided erosion control maintained access roads and provided scheduled maintained				pairs, vegetation (removal, cleaned inlet and
Decatur; silt build	pleted during current fiscal year: Specific items needing inside DB and grading of inside basin access road; a will provide erosion and dust control, remove vegetation, evee.	and	vandalism in	outlet structure. (Conditions have w	vorsened since Fall 2016
Consultant	vi					
Contractor		_				
Manager					633-1267	

MVVP Facility #: Facility Name: MP Facility ID:	Carey/Lake Mead Detention Basin LVLM 0000-0270	-			Date Prepared:	02/16/17
Force Account/ Contract	Activity	١	Requested Work Plan Amount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$	500.00	500.00	0%	
	5 Inspect Channels	\$		0.00		19 4 4 1 1 1 1 1 1
	6 Inspect Levees/Detention Basin & Debris Basins	\$	1,800.00	1,800.00	0%	
	8 Species Survey and Removal	\$	1,500.00	1,500.00	0%	
	10 Clean and Reshape Channel/Levees	\$	-	0.00		
	15 Repair Lined Channel	\$	D. 1004-10	0.00	Berter in teach	
	20 Erosion Control and Repair	\$	15,000.00	15,000.00	0%	
	21 Provide/Maintain Dust Control	\$	10,000.00	10,000.00	0%	A THE RESIDENCE OF THE PARTY OF
	25 Clean Detention/Debris Basin	\$	12,000.00	12,000.00	0%	
	35 Fence Repair	\$	6,500.00	6,500.00	0%	
	40 Vegetation Control - Chemical	\$	5,000.00	5,000.00	0%	
	45 Vegetation Control - Mechanical	5	10,000.00	10,000.00	0%	A STATE OF THE STA
	50 Maintain Access Road	\$	-	0.00		
	55 Clean & Inspect Inlet/Outlet Structures	S	5,000.00	5,000.00	0%	CALL STREET, S
	60 Repair Inlet/Outlet Structures	\$	-	0.00		
	65 Clean Storm Sewer Lines	5	14,071.00	14,071.00	0%	PROPERTY OF THE PARTY OF THE PA
	70 Storm Sewer Repair	\$	-	0.00		
	75 Clean/Flush Culverts & Bridges	\$	2,000.00	2,000.00	0%	A STREET, SQUARE, SQUA
	80 Miscellaneous Work Activities	\$	19,700.00	19,700.00	0%	
	85 Engineering	S		0.00		WATER CONTRACTOR
			103,071.00	103,071.00		06/30/18
Delays or proble	7.9550 / 1.95 (2.5					
Fencing was rep culverts due to th	d during prior fiscal year: Staff provided erosion contraired, cleaned outlet structures, maintained access road the size that comes from NLV 15. Spleted during current fiscal year: Staff will provide described the size of the size o	d, a	nd provide ma	ajor dust control.	We were able to	clean out one of two bo
	fence, and repair erosion along outer slopes.	ust	Control, Veget	ation removal, an	u repair damage	lending as fleeded. Clea
Consultant Contractor Project	*					
Manager					633-1267	

MWP Facility #:	NLV08				Entity:	City of North Las Vegas
Facility Name:	Gowan Outfall Channel				Date Prepared:	02/16/17
MP Facility ID:	GOOF 0000-0224, GOCR 0000-0080,					
	GOLO 0000-0100					
Force Account/ Contract	Activity		Requested Work Plan Amount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$	500.00	500.00	0%	
	5 Inspect Channels	5	500.00	500.00	0%	Marie de la company
	6 Inspect Levees/Detention Basin & Debris Basin	s \$	-	0.00		
Name of Street, or other Designation of the last of th	8 Species Survey and Removal	\$	4	0.00		DESCRIPTION OF THE PARTY OF THE
	10 Clean and Reshape Channel/Levees	\$	3,500.00	3,500.00	0%	
	15 Repair Lined Channel	\$	- 11	0.00	DESCRIPTION OF THE PARTY.	Manager Residence
	20 Erosion Control and Repair	\$	-	0.00		
DESCRIPTION ASSESSMENT	21 Provide/Maintain Dust Control	15	-	0.00	BUT LASTER	The Strategic Land
	25 Clean Detention/Debris Basin	\$	=	0.00		
SECURITY SECURITY	35 Fence Repair	\$	5,000.00	5,000.00	0%	THE PROPERTY OF
	40 Vegetation Control - Chemical	\$	3,000.00	3,000.00	0%	
DESCRIPTION AND PERSONS ASSESSED.	45 Vegetation Control - Mechanical	\$	3,000.00	3,000.00	0%	PROPERTY OF THE PARTY OF THE PA
	50 Maintain Access Road	\$	-	0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$	- 4	0.00	SEE 3 1 10 5	
	60 Repair Inlet/Outlet Structures	\$	-	0.00		
DOMEST LISTERS	65 Clean Storm Sewer Lines	5	14,071.00	14,071.00	0%	
	70 Storm Sewer Repair	\$	-	0.00		
HOLE STREET	75 Clean/Flush Culverts & Bridges	\$	8,000.00	8,000.00	0%	Frank Street Street
	80 Miscellaneous Work Activities	\$	24,000.00	24,000.00	0%	
(Antari Territa)	85 Engineering	\$		0.00		
	TOTA	ALS \$	61,571.00	61,571.00		06/30/18
Delays or proble	am areas: i during prior fiscal year: Repaired fencing, provid	le veget	ation remova	Il using mower, a	nd maintained acc	cess roads.
	Standard Control Control	4		in annais formalism		
	pleted during current fiscal year: Staff will remove lean inlet and outlet structures.	e any tr	asn and debr	is, repair lending,	maintain access	roads, remove vegetation
Consultant Contractor Projec	t and a second				633-1267	
Manager	. Gorini Mutino				000-1201	-1

Upper Las Vegas Wash LVUP 0446-0493					
LVUP 0446-0493				Date Prepared:	02/16/17
Activity	1	Requested Vork Plan Imount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
Facility Assessment and Inventory	\$	500.00	500.00	0%	
Inspect Channels	\$	500.00	500.00	0%	
Inspect Levees/Detention Basin & Debris Basins	\$	-	0.00		
Species Survey and Removal	\$		0.00		A STATE OF S
Clean and Reshape Channel/Levees	\$	-	0.00		
Repair Lined Channel	\$	-	0.00	THE SECTION	
Erosion Control and Repair	\$	-	0.00		
Provide/Maintain Dust Control	\$		0.00	TENTE OF	
Clean Detention/Debris Basin	\$		0.00		
Fence Repair	\$		0.00		The state of the s
Vegetation Control - Chemical	\$	-	0.00		
Vegetation Control - Mechanical	\$		0.00	21 017 2	
Maintain Access Road	\$	-	0.00		
Clean & Inspect Inlet/Outlet Structures	\$	West Hard	0.00		THE RESERVE OF THE PARTY OF THE
Repair Inlet/Outlet Structures	\$	-	0.00		
Clean Storm Sewer Lines	5		0.00	THE RESERVE	2 4 12 6 6 2 1 3
Storm Sewer Repair	\$		0.00		
Clean/Flush Culverts & Bridges	\$		0.00	亚达沙州加州 斯	SEAST MISSELLING FOR
Miscellaneous Work Activities	\$	22,000.00	22,000.00	0%	
i Engineering			0.00		
	\$	23,000.00	23,000.00		06/30/18
	Inspect Channels Inspect Levees/Detention Basin & Debris Basins Inspect Levees/Detention Basin & Debris Basins Inspect Levees/Detention Basin & Debris Basins Inspect Levees/Detention/Levees Inspect Levees/Detention/Levees Inspect Lined Channel Inspect Lined Channel Inspect Lined Channel Inspect Lined Control Inspect Lined Control Inspect Lined Levens Inspect Le	Inspect Channels Inspect Levees/Detention Basin & Debris Basins Included Repair Channel Included Repair Provide/Maintain Dust Control Included Repair Service Repair Included Repair Service Repair Inlet/Outlet Structures Service Repair Servi	Inspect Channels Inspect Levees/Detention Basin & Debris Basins Inspect Levees/Detention Basin & Debris Basins Inspect Levees/Detention Basin & Debris Basins Inspect Survey and Removal Inspect Survey and Removal Inspect Channel Inspect Channel Inspect Channel Inspect Channel Inspect Channel Inspect Lined Channel Inspect Lined Channel Inspect Control Inspect Control Inspect Control Inspect Control Inspect Channel Inspect Control Inspect Channel Inspect Channe	Inspect Channels Inspect Levees/Detention Basin & Debris Basins Inspect Channel I	Inspect Channels \$ 500.00 500.00 0% Inspect Levees/Detention Basin & Debris Basins \$ - 0.00 Inspect Survey and Removal \$ - 0.00 Clean and Reshape Channel/Levees \$ - 0.00 Repair Lined Channel \$ - 0.00 Erosion Control and Repair \$ - 0.00 Provide/Maintain Dust Control \$ - 0.00 Clean Detention/Debris Basin \$ - 0.00 Fence Repair \$ - 0.00 Vegetation Control - Chemical \$ - 0.00 Vegetation Control - Mechanical \$ - 0.00 Maintain Access Road \$ - 0.00 Clean & Inspect Inlet/Outlet Structures \$ - 0.00 Clean Storm Sewer Lines \$ - 0.00 Storm Sewer Repair \$ - 0.00 Miscellaneous Work Activities \$ 22,000.00 0% TOTALS \$ 23,000.00 23,000.00

MWP Facility #:	NLV11				Entity:	City of North Las Vegas
Facility Name:	Clayton Street Channel				Date Prepared:	02/16/17
MP Facility ID:	LV03 0000-0131, LVSM 0000-0109	03				
Force Account/ Contract	Activity	٧	Requested Work Plan Amount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$	500.00	500.00	0%	
THE STORY IN LINE	5 Inspect Channels	\$	500.00	500.00	0%	PER BUT DELL'AND REAL PROPERTY AND REAL PROPERTY
	6 Inspect Levees/Detention Basin & Debris Basins	\$	-	0.00		
TEACH LINE	8 Species Survey and Removal	\$		0.00	STATE OF STREET	STATE OF THE STATE
	10 Clean and Reshape Channel/Levees	\$	5,000.00	5,000.00	0%	
minur (144 18)	15 Repair Lined Channel	\$	•	0.00	WELL THE STREET	the transfer of
	20 Erosion Control and Repair	\$		0.00		
	21 Provide/Maintain Dust Control	\$	-11	0.00		
	25 Clean Detention/Debris Basin	\$	-	0.00		
INCOME AND BUILDING	35 Fence Repair	\$	4,500.00	4,500.00	0%	
	40 Vegetation Control - Chemical	\$	3,000.00	3,000.00	0%	
DESTRUCTION OF THE PARTY OF THE	45 Vegetation Control - Mechanical	\$		0.00		USOR PUBLICATION
	50 Maintain Access Road	\$	-	0.00		
SET SET SHARE	55 Clean & Inspect Inlet/Outlet Structures	\$	2,000.00	2,000.00	0%	A STATE OF STREET STATE OF STREET
	60 Repair Inlet/Outlet Structures	\$	-	0.00		
Contract of the Contract of th	65 Clean Storm Sewer Lines	\$	14,071.00	14,071.00	0%	STANDS OF THE RESERVE
	70 Storm Sewer Repair	\$	-	0.00		
ELIC TO TAKE	75 Clean/Flush Culverts & Bridges	\$	1,000.00	1,000.00	0%	Bridge of the second
	80 Miscellaneous Work Activities	\$	22,000.00	22,000.00	0%	
THE RESERVE	85 Engineering			0.00		
	TOTALS	\$	52,571.00	52,571.00		06/30/18
Work to be com	d during prior fiscal year: Staff repaired fencing, pro pleted during current fiscal year: Staff will provide for Repair erosion at mid channel west side shoulder and	enci	ng repairs as	needed, provide	vegetation remo	val, and clean inlet and
Consultant/				- 4		
Contractor: Project						
Manager:	John Runiks				633-1267	<u> </u>

MP Facility ID: Force Account/ Contract 3 F	ower Las Vegas Detention Basin VMD 1905-2055 Activity	Requested		Date Prepared:	02/16/17
Force Account/ Contract 3 F	Activity	Petragina?			
Contract 3 F	•	Patracina?			
5 1		Vork Plan mount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	acility Assessment and Inventory	\$ 500.00	500.00	0%	
	nspect Channels	\$ 500.00	500.00	0%	
6 In	nspect Levees/Detention Basin & Debris Basins	\$ 3,000.00	3,000.00	0%	
8 8	Species Survey and Removal	\$ 1,500.00	1,500.00	0%	
10 (Clean and Reshape Channel/Levees	\$ •	0.00	25 3113	
15 F	Repair Lined Channel	\$	0.00	THE RESERVE	THE RESERVE OF THE PARTY OF THE
20 F	rosion Control and Repair	\$ 15,000.00	15,000.00	0%	
	Provide/Maintain Dust Control	\$ 10,000.00	10,000.00	0%	
25 (Clean Detention/Debris Basin	\$ 10,000.00	10,000.00	0%	
35 F	ence Repair	\$ 6,500.00	6,500.00	0%	
40 \	/egetation Control - Chemical	\$ 7,000.00	7,000.00	0%	
	/egetation Control - Mechanical	\$ THE STATE	0.00		Manual Property and the
The second secon	Maintain Access Road	\$ 1,000.00	1,000.00	0%	
55 (Clean & Inspect Inlet/Outlet Structures	\$ 2,000.00	2,000.00	0%	District of the latest and the lates
	Repair Inlet/Outlet Structures	\$ -	0.00		
	Clean Storm Sewer Lines	\$ 14,071.00	14,071.00	0%	many care trade and
70 5	Storm Sewer Repair	\$ -	0.00		
	Clean/Flush Culverts & Bridges	\$ 2,500.00	2,500.00	0%	
	Miscellaneous Work Activities	\$ 20,500.00	20,500.00	0%	
85 F	Engineering				
	TOTALS	\$ 94,071.00	94,071.00		06/30/18
Delays or problem are		\$ 94,071.00	0.00		

MWP Facility #:	NLV13					City of North Las Vegas
Facility Name:	West Trib - Ranch House Rd to Lower LV DB				Date Prepared:	02/16/17
MP Facility ID:	ANWE 0000-0122, CNWE 0000					
	LVMD 2060-2322					
Force Account/ Contract	Activity	١	Requested Work Plan Amount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$	500.00	500.00	0%	
THE STREET	5 Inspect Channels	\$	500.00	500.00	0%	NAME OF TAXABLE PARTY.
	6 Inspect Levees/Detention Basin & Debris Basins	\$	-	0.00		
CONTRACTOR	8 Species Survey and Removal	\$	57	0.00		Mary State of the
	10 Clean and Reshape Channel/Levees	\$	6,000.00	6,000.00	0%	
AND THE RESERVE	15 Repair Lined Channel	\$		0.00		
	20 Erosion Control and Repair	\$	3,000.00	3,000.00	0%	
1000100-200	21 Provide/Maintain Dust Control	\$		0.00	BOY THE REAL PROPERTY.	THE RESERVE
	25 Clean Detention/Debris Basin	\$		0.00		
DESCRIPTION OF STREET	35 Fence Repair	5	4,000.00	4,000.00	0%	and decimal tale to
and the same of the same of	40 Vegetation Control - Chemical	\$	3,000.00	3,000.00	0%	
NAME OF TAXABLE PARTY.	45 Vegetation Control - Mechanical	\$	Version sin	0.00		Charles Annual Local Co.
	50 Maintain Access Road	\$	2,000 00	2,000.00	0%	
Secretary Court	55 Clean & Inspect Inlet/Outlet Structures	S	2,000.00	2,000.00	0%	CONTRACTOR OF THE PARTY OF THE
	60 Repair Inlet/Outlet Structures	\$	-	0.00		
manus nin	65 Clean Storm Sewer Lines	\$	14,071.00	14,071.00	0%	Marie
	70 Storm Sewer Repair	\$	•	0.00		
from the ball	75 Clean/Flush Culverts & Bridges	\$	2,000.00	2,000.00	0%	CHARLES AND AN AREA
	80 Miscellaneous Work Activities	\$	21,000.00	21,000.00	0%	
ATTENDED	85 Engineering		وسيحينيانا	0.00		SECTION AND PROPERTY AND PARTY.
	TOTALS	\$	58,071.00	58,071.00		06/30/18
The state of the s	em areas: I during prior fiscal year: Repaired fencing, provided veg	etat	ion removal,	cleaned inlet and	outlet structures	, and maintained access
roads.						
	pleted during current fiscal year: Staff will remove any tra				pairs, maintain a	ccess roads, clear out
vegetation, and c	lean inlets and outlets. Repair access road erosion and reb	uild	berm at Clay	ton.		
					*	
Consultant/						
Contractor:						
Project						
Manager:	John Runiks				633-1267	

Tributary to the Western Trib @ Craig Road LV06 0000-0147, LV05 0000-0131, LVBR 0000-014, LVCL 0000	MWP Facility #:	NLV14				Entity:	City of North Las Vegas
Force Account/ Contract Activity Activity Activity Balance Work Plan Amount (\$) Tomplete Balance Remaining (\$) Complete Complete Complete Complete Balance Remaining (\$) Complete Complete Complete Complete Complete Date Scheduled Complete Complete Complete Balance Remaining (\$) Complete Complete Complete Scheduled Complete Date Scheduled Complete Scheduled Complete Date Scheduled Complete Date Scheduled Complete Date Scheduled Complete Date Scheduled Complete Scheduled Complete Scheduled Complete Date Scheduled Complete Scheduled Complete Scheduled Complete Scheduled Complete School Date School Date School Date Sch	Facility Name:	Tributary to the Western Trib @ Craig Road					
Force Account/ Contract Activity Requested Work Plan Amount (\$) \$ Solution Solution Solution Solution Solution \$ Force Account/ Contract Solution Solution Solution Solution Solution	MP Facility ID:	LV06 0000-0147, LV05 0000-0131,					
Contract Activity Work Plan Amount (\$) S 500 00 S 50		LVBR 0000-0014, LVCL 0000					
5 Inspect Channels		Activity	١	Nork Plan			Scheduled Completion Date
6 Inspect Levees/Detention Basin & Debris Basins \$ - 0.00		3 Facility Assessment and Inventory			500.00		
8 Species Survey and Removel 10 Clean and Reshape Channel/Levees \$ 5,500 00 5,500 00 0% 15 Repair Lined Channel 20 Erosion Control and Repair 21 Provide/Maintain Dust Control 22 Frosion Control and Repair 3 - 0,00 2 25 Clean Detention/Debris Basin 35 Fence Repair 40 Vegetation Control - Chemical 45 Vegetation Control - Mechanical 45 Vegetation Control - Mechanical 50 Maintain Access Road 50 Maintain Access Road 50 Maintain Access Road 50 Repair Inlet/Outlet Structures 60 Repair Inlet/Outlet Structures 50 Stean & Inspect Inlet/Outlet Structures 50 Clean Storm Sewer Lines 70 Storm Sewer Repair \$ 3,000.00 3,000.00 0% 85 Engineering 70 TOTALS 70 Storm Sewer Repair \$ 54,571.00 54,571.00 0% 80 Miscellaneous Work Activities 80 Storm Sewer Repair \$ 54,571.00 54,571.00 0% 80 Miscellaneous Work Repair Staff will remove vegetation, trash and debris, provide fencing repairs, maintain access roads, clean inlet and outlet structures. Repair concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels.		5 Inspect Channels	\$	500.00	500.00	0%	do y de la della d
10 Clean and Reshape Channel/Levees \$ 5,500.00 5,500.00 0% 15 Repair Lined Channel \$ - 0.00 20 Erosion Control and Repair \$ - 0.00 21 Provide/Maintain Dust Control \$ - 0.00 25 Clean Detention/Debris Basin \$ - 0.00 35 Fence Repair \$ 3,500.00 3,500.00 0% 40 Vegetation Control - Chemical \$ 4,500.00 4,500.00 0% 45 Vegetation Control - Mechanical \$ - 0.00 50 Maintain Access Road \$ 2,000.00 2,000.00 0% 55 Clean & Inspect Intet/Outlet Structures \$ - 0.00 65 Clean & Inspect Intet/Outlet Structures \$ - 0.00 65 Clean Storm Sewer Lines \$ 14,071.00 14,071.00 0% 70 Storm Sewer Repair \$ - 0.00 75 Clean/Flush Culverts & Bridges \$ 3,000.00 3,000.00 0% 80 Miscellaneous Work Activities \$ 21,000.00 21,000.00 0% 85 Engineering TOTALS \$ 54,571.00 54,571.00 06/30/18 Delays or problem areas: Work completed during prior fiscal year: Repaired fencing, provided vegetation removal, cleaned inlet and outlet structures and maintained accident inlet and outlet structures. Repair concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels.		6 Inspect Levees/Detention Basin & Debris Basin	IS \$		0.00		
15 Repair Lined Channel 20 Erosion Control and Repair 21 Provide/Maintain Dust Control 25 Clean Detention/Debris Basin 35 - 0.00 35 Fence Repair 40 Vegetation Control - Chemical 55 Clean Repair 50 Maintain Access Road 55 Clean & Inspect Inlet/Outlet Structures 50 Repair Inlet/Outlet Structures 50 Repair Inlet/Outlet Structures 50 Clean Storm Sewer Lines 51 Lion Sewer Repair 70 Storm Sewer Repair 70 Storm Sewer Repair 75 Clean/Flush Culverts & Bridges 80 Miscellaneous Work Activities 81 14,071.00 85 Engineering 85 1,000.00 85 Engineering 85 1,000.00 85 Engineering 86 Clean Storm Sewer Lines 86 Clean Storm Sewer Lines 87 1,000.00 86 Engineering 87 1,000.00 87 1,000.00 88 Engineering 89 1,000.00 90 1,000.00	DESCRIPTION OF THE PARTY.	8 Species Survey and Removal	\$		0.00	PERSONAL PROPERTY.	
20 Erosion Control and Repair 21 Provide/Maintain Dust Control 25 Clean Detention/Debris Basin 35 Fence Repair 40 Vegetation Control - Chemical 45 Vegetation Control - Mechanical 50 Maintain Access Road 55 Clean & Inspect Inlet/Outlet Structures 66 Clean Storm Sewer Lines 67 Clean Storm Sewer Lines 68 Clean Storm Sewer Lines 70 Storm Sewer Repair 75 Clean/Flush Culverts & Bridges 80 Miscellaneous Work Activities 81 14,071,00 14,071,00 0% 80 Engineering 80 Miscellaneous Work Activities 81 2,000.00 2,000.00 0% 80 Engineering 80 Miscellaneous Work Activities 81 2,000.00 3,000.00 0% 80 Engineering 80 Miscellaneous Work Activities 81 2,000.00 0% 80 Engineering 81 2,000.00 14,071.00 0% 80 Engineering 81 2,000.00 14,071.00 0% 80 Engineering 81 2,000.00 14,071.00 0% 80 Engineering 82 2,000.00 14,071.00 0% 80 Engineering 83 3,000.00 3,000.00 0% 80 Miscellaneous Work Activities 85 21,000.00 21,000.00 0% 80 Engineering 80 0,000 000 80 06/30/18 Delays or problem areas: Completed during prior fiscal year: Repaired fencing, provided vegetation, trash and debris, provide fencing repairs, maintain access roads, clean inlet and outlet structures. Repair concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels.		10 Clean and Reshape Channel/Levees	\$	5,500.00	5,500.00	0%	
21 Provide/Maintain Dust Control	THE STREET	15 Repair Lined Channel	\$	SID CONTRACTOR	0.00	A STATE OF THE PARTY	
25 Clean Detention/Debris Basin 35 Fence Repair 40 Vegetation Control - Chemical 45 Vegetation Control - Mechanical 50 Maintain Access Road 50 Maintain Access Road 50 Repair Inlet/Outlet Structures 60 Repair Inlet/Outlet Structures 65 Clean Storm Sewer Lines 65 Clean Storm Sewer Lines 67 Clean/Flush Culverts & Bridges 68 Clean Storm Sewer Repair 75 Clean/Flush Culverts & Bridges 80 Miscellaneous Work Activities 80 Miscellaneo		20 Erosion Control and Repair	\$	-	0.00		
35 Fence Repair 40 Vegetation Control - Chemical 45 Vegetation Control - Mechanical 50 Maintain Access Road 55 Clean & Inspect Inlet/Outlet Structures 60 Repair Inlet/Outlet Structures 65 Clean Storm Sewer Lines 65 Clean Storm Sewer Lines 75 Clean Storm Sewer Lines 65 Clean Storm Sewer Repair 75 Clean/Flush Culverts & Bridges 80 Miscellaneous Work Activities 81 14,071.00 96 80 Miscellaneous Work Activities 81 14,071.00 97 Storm Sewer Repair 82 1,000.00 98 Engineering 90 000	THE TAX 13	21 Provide/Maintain Dust Control	\$	11 11 11 11	0.00	Editor and a	150 x 121 x 122 x 123 x 123 x 123 x 123
40 Vegetation Control - Chemical 45 Vegetation Control - Mechanical 50 Maintain Access Road 50 Maintain Access Road 50 Maintain Access Road 50 Repair Inlet/Outlet Structures 60 Repair Inlet/Outlet Structures 60 Repair Inlet/Outlet Structures 61 Clean Storm Sewer Lines 62 Clean Storm Sewer Lines 63 Clean Storm Sewer Lines 64 Clean Storm Sewer Lines 65 Clean Storm Sewer Lines 66 Clean Storm Sewer Lines 76 Clean/Flush Culverts & Bridges 76 Clean/Flush Culverts & Bridges 80 Miscellaneous Work Activities 81,000.00 85 Engineering 80 Miscellaneous Work Activities 81,000.00 86 Clean Storm Sewer Lines 80,000.00 87 O Storm Sewer Repair 80 Miscellaneous Work Activities 81,000.00 81,000.00 82,000.00 82,000.00 83,000.00 84,000.00 85,000.00 85,000.00 86,000.		25 Clean Detention/Debris Basin	\$	-	0.00		
40 Vegetation Control - Chemical 45 Vegetation Control - Mechanical 50 Maintain Access Road 55 Clean & Inspect Inlet/Outlet Structures 60 Repair Inlet/Outlet Structures 60 Repair Inlet/Outlet Structures 65 Clean Storm Sewer Lines 70 Storm Sewer Repair 70 Storm Sewer Repair 75 Clean/Flush Culverts & Bridges 80 Miscellaneous Work Activities 81 0,000 85 Engineering 85 1,000 00 85 Engineering 85 21,000 00 85 Engineering 86 Clean Storm Sewer Lines 87 0,000 86 Miscellaneous Work Activities 87 0,000 87 0,000 88 Engineering 87 0,000 88 Engineering 89 0,000 89 0,000 80 Miscellaneous Work Activities 80 0,000 80 Miscellan	1672 A 107 L 10 C (10	35 Fence Repair	\$	3,500.00	3,500.00	0%	Maria Carlo Maria Maria Antonia
50 Maintain Access Road 55 Clean & Inspect Inlet/Outlet Structures 50 Repair Inlet/Outlet Structures 50 Repair Inlet/Outlet Structures 514,071,00 65 Clean Storm Sewer Lines 70 Storm Sewer Repair 75 Clean/Flush Culverts & Bridges 80 Miscellaneous Work Activities 814,071,00 75 Clean/Flush Culverts & Bridges 80 Miscellaneous Work Activities 814,071,00 96 80 Miscellaneous Work Activities 814,071,00 97 80 Miscellaneous Miscellaneous Work Activities 814,071,00 97 80 Miscellaneous Work Activities			\$	4,500.00	4,500.00	0%	
55 Clean & Inspect Inlet/Outlet Structures 60 Repair Inlet/Outlet Structures 5 - 0.00 65 Clean Storm Sewer Lines 5 - 0.00 70 Storm Sewer Repair 5 - 0.00 75 Clean/Flush Culverts & Bridges 8 - 0.00 75 Clean/Flush Culverts & Bridges 8 3,000.00 3,000.00 75 Clean/Flush Culverts & Bridges 8 1,000.00 80 Miscellaneous Work Activities 8 21,000.00 85 Engineering TOTALS \$ 54,571.00 54,571.00 Delays or problem areas: Work completed during prior fiscal year: Repaired fencing, provided vegetation removal, cleaned inlet and outlet structures and maintained accircads. Work to be completed during current fiscal year: Staff will remove vegetation, trash and debris, provide fencing repairs, maintain access roads, clean inlet and outlet structures. Repair concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels. Consultant/ Contractor: Project	1002-0111950	45 Vegetation Control - Mechanical	\$	4 1 2 2 3 3	0.00	BUILDING T	BEAUTY BY LONG LONG LONG LONG LONG LONG LONG LONG
60 Repair Inlet/Outlet Structures 65 Clean Storm Sewer Lines 70 Storm Sewer Repair 75 Clean/Flush Culverts & Bridges 80 Miscellaneous Work Activities 85 Engineering 70 TOTALS 8 54,671.00 80 Fiscal year: Repaired fencing, provided vegetation removal, cleaned inlet and outlet structures and maintained acciroads. Work to be completed during current fiscal year: Staff will remove vegetation, trash and debris, provide fencing repairs, maintain access roads, clean inlet and outlet structures. Repair concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels. Consultant/ Contractor: Project		50 Maintain Access Road	\$	2,000.00	2,000.00	0%	
65 Clean Storm Sewer Lines \$ 14,071.00 14,071.00 0% 70 Storm Sewer Repair \$ 0.00 75 Clean/Flush Culverts & Bridges \$ 3,000.00 3,000.00 0% 80 Miscellaneous Work Activities \$ 21,000.00 0.00 85 Engineering TOTALS \$ 54,571.00 54,571.00 06/30/18 Delays or problem areas: Work completed during prior fiscal year: Repaired fencing, provided vegetation removal, cleaned inlet and outlet structures and maintained accircads. Work to be completed during current fiscal year: Staff will remove vegetation, trash and debris, provide fencing repairs, maintain access roads, clean inlet and outlet structures. Repair concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels. Consultant/ Contractor: Project	0011111110	55 Clean & Inspect Inlet/Outlet Structures	\$		0.00	BENT BUILDING	provide the later state of
70 Storm Sewer Repair 75 Clean/Flush Culverts & Bridges 80 Miscellaneous Work Activities 85 Engineering 8		60 Repair Inlet/Outlet Structures	\$	-	0.00		
75 Clean/Flush Culverts & Bridges \$ 3,000.00 3,000.00 0% 80 Miscellaneous Work Activities \$ 21,000.00 21,000.00 0% 85 Engineering TOTALS \$ 54,571.00 54,571.00 0.00 0 06/30/18 Delays or problem areas: Work completed during prior fiscal year: Repaired fencing, provided vegetation removal, cleaned inlet and outlet structures and maintained accircads. Work to be completed during current fiscal year: Staff will remove vegetation, trash and debris, provide fencing repairs, maintain access roads, clean inlet and outlet structures. Repair concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels. Consultant/ Contractor: Project		65 Clean Storm Sewer Lines	\$	14,071.00	14,071.00	0%	用面的用户部外表。
80 Miscellaneous Work Activities \$ 21,000.00 21,000.00 0% 85 Engineering TOTALS \$ 54,571.00 54,571.00 06/30/18 Delays or problem areas: Work completed during prior fiscal year: Repaired fencing, provided vegetation removal, cleaned inlet and outlet structures and maintained accordads. Work to be completed during current fiscal year: Staff will remove vegetation, trash and debris, provide fencing repairs, maintain access roads, clean inlet and outlet structures. Repair concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels. Consultant/ Contractor: Project		70 Storm Sewer Repair	\$	-	0.00		
85 Engineering TOTALS \$ 54,571.00	Mary By 1104	75 Clean/Flush Culverts & Bridges	\$	3,000.00	3,000.00	0%	2000年 - 新工作。[6] (中) (中) (中)
TOTALS \$ 54,571.00 54,571.00 06/30/18 Delays or problem areas: Work completed during prior fiscal year: Repaired fencing, provided vegetation removal, cleaned inlet and outlet structures and maintained accordads. Work to be completed during current fiscal year: Staff will remove vegetation, trash and debris, provide fencing repairs, maintain access roads, clean inlet and outlet structures. Repair concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels. Consultant/ Contractor: Project		80 Miscellaneous Work Activities	\$	21,000.00	21,000.00	0%	
TOTALS \$ 54,571.00 54,571.00 06/30/18 Delays or problem areas: Work completed during prior fiscal year: Repaired fencing, provided vegetation removal, cleaned inlet and outlet structures and maintained accordads. Work to be completed during current fiscal year: Staff will remove vegetation, trash and debris, provide fencing repairs, maintain access roads, clean inlet and outlet structures. Repair concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels. Consultant/ Contractor: Project	NAME OF TAXABLE PARTY.	85 Engineering	73 (2.4		0.00		HOLES TO MANAGED TO THE MANAGED AND AND AND AND AND AND AND AND AND AN
Work completed during prior fiscal year: Repaired fencing, provided vegetation removal, cleaned inlet and outlet structures and maintained accordads. Work to be completed during current fiscal year: Staff will remove vegetation, trash and debris, provide fencing repairs, maintain access roads, clean inlet and outlet structures. Repair concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels. Consultant/ Contractor: Project			LS \$	54,571.00			06/30/18
Consultant/ Contractor: Project	Work completed		ed vege	tation remov	al, cleaned inlet a	and outlet structur	res and maintained access
Consultant/ Contractor: Project	Work to be com	pleted during current fiscal year: Staff will remove	vegeta	tion, trash an	d debris, provide	fencing repairs, r	maintain access roads, an
Contractor: Project							
Contractor: Project			_				
Contractor: Project							
Contractor: Project	Consultanti						
Project							
		John Runiks				623, 1267	

	NLV15	_				City of North Las Vegas
acility Name:	Las Vegas Wash - Smoke Ranch	-			Date Prepared:	02/16/17
MP Facility ID:	LVSR 0000-0295, LAAT 0000-0204,	_				
	LANO 0000, LAAS 0000-0103	_				
Force Account/ Contract	Activity	٧	Requested Work Plan Amount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$	500.00	500.00	0%	
	5 Inspect Channels	\$	500.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$	-	0.00	The state of the s	I San Carlotte Control of the Contro
	8 Species Survey and Removal	\$		0.00		Printed States and Sta
	10 Clean and Reshape Channel/Levees	\$	3,500.00	3,500.00	0%	
	15 Repair Lined Channel	\$	DECEMBER OF STREET	0.00		THE RESERVE OF
	20 Erosion Control and Repair	\$	3,000.00	3,000.00	0%	
	21 Provide/Maintain Dust Control	\$		0.00	MEDICAL PROPERTY.	RESERVED TO SERVED TO SERV
	25 Clean Detention/Debris Basin	\$	-	0.00		-
March Street, or Street, Stree	35 Fence Repair	\$		0.00	THE RESERVE	
	40 Vegetation Control - Chemical	\$	3,500.00	3,500.00	0%	
	45 Vegetation Control - Mechanical	\$		0.00	SAUTH AND MARKET	
	50 Maintain Access Road	\$	2,000.00	2,000.00	0%	
	55 Clean & Inspect inlet/Outlet Structures	\$	2,500.00	2,500.00	0%	
	60 Repair Inlet/Outlet Structures	\$	-	0.00		
	85 Clean Storm Sewer Lines	5	14,071.00	14,071.00	0%	NAME OF TAXABLE PARTY.
	70 Storm Sewer Repair	\$	-	0.00		A Company of the Comp
	75 Clean/Flush Culverts & Bridges	S	1,000.00	1,000.00	0%	
	80 Miscellaneous Work Activities	\$	20,000.00	20,000.00	0%	
	85 Engineering	i		0.00		HARMAN AND AND AND AND AND AND AND AND AND A
	TOTALS	\$	50,571.00	50,571.00		06/30/18
Delays or proble	em areas: d during prior fiscal year: Repaired fencing, remove	ed ve	getation, cle	aned storm drains	s, and outlet and	inlet structures, and
		eu ve	getation, cle	aned Storm drains	s, and oddet and	iniet structures, and
maintained acces	55 10aus.					

LO 0000-0025, TREA 0000-0134, LVUP 0000-038 NEA 0000-0176, ANEA 0000-0040	14,				
Activity	٧	equested Vork Plan mount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completio Date
cility Assessment and Inventory	\$	500.00	500.00	0%	
spect Channels	\$	500.00	500.00	0%	DOWNERS TO STREET
spect Levees/Detention Basin & Debris Basins	\$	(•.	0.00		
pecies Survey and Removal	\$		0.00		
ean and Reshape Channel/Levees	\$	1,000.00	1,000.00	0%	
spair Lined Channel	\$		0.00		
osion Control and Repair	\$		0.00		
ovide/Maintain Dust Control	\$		0.00		
ean Detention/Debris Basin	\$	-	0.00		
nce Repair	\$	3,500.00	3,500.00	0%	
egetation Control - Chemical	\$	3,500.00	3,500.00	0%	
egetation Control - Mechanical	\$	BLISE CAN	0.00		Extraction Constitution II.
aintain Access Road	\$		0.00		
ean & Inspect Inlet/Outlet Structures	\$	2011	0.00	III. FYRYES	
epair Inlet/Outlet Structures	\$	-	0.00		
ean Storm Sewer Lines	\$	14,071.00	14,071.00	0%	PARTY PARTY IN
orm Sewer Repair	\$	-	0.00		
ean/Flush Culverts & Bridges	\$	52,000.00	52,000.00	0%	BY THE REAL PROPERTY.
scellaneous Work Activities	\$	20,000.00	20,000.00	0%	
ngineering			0.00		
	\$	95,071.00		-	06/30/18
	spect Levees/Detention Basin & Debris Basins secies Survey and Removal ean and Reshape Channel/Levees spair Lined Channel osion Control and Repair ovide/Maintain Dust Control ean Detention/Debris Basin sece Repair sectation Control - Chemical sepatation Control - Mechanical sintain Access Road ean & Inspect Inlet/Outlet Structures ean Storm Sewer Lines orm Sewer Repair ean/Flush Culverts & Bridges scellaneous Work Activities agineering	spect Levees/Detention Basin & Debris Basins secies Survey and Removal ean and Reshape Channel/Levees spair Lined Channel osion Control and Repair ovide/Maintain Dust Control ean Detention/Debris Basin since Repair segetation Control - Chemical segetation Control - Mechanical sintain Access Road ean & Inspect Inlet/Outlet Structures ean Storm Sewer Lines orm Sewer Repair sean/Flush Culverts & Bridges scellaneous Work Activities segineering	spect Levees/Detention Basin & Debris Basins secies Survey and Removal ean and Reshape Channel/Levees spair Lined Channel osion Control and Repair ovide/Maintain Dust Control ean Detention/Debris Basin succe Repair spectation Control - Chemical spectation Control - Mechanical sintain Access Road ean & Inspect Inlet/Outlet Structures ean & Inspect Inlet/Outlet Structures ean Storm Sewer Lines orm Sewer Repair sean/Flush Culverts & Bridges scellaneous Work Activities repair Inlet/Outlet Structures scellaneous Work Activities special Structures special Structur	Spect Levees/Detention Basin & Debris Basins \$ - 0.00	Spect Levees/Detention Basin & Debris Basins Secies Survey and Removal Sean and Reshape Channel/Levees Sean and Reshape Channel/Levees Sean and Reshape Channel Sean and Repair Sean Control and Repair Sean Detention/Debris Basin Sean Debris Basin Sean Debri

2000 - 1 200000000	LVRW 0000-0293				Date Prepared:	02/16/17
Force Account/ Contract	Activity		Requested Work Plan Amount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment and Inventory	\$	500.00	500.00	0%	
	Inspect Channels	\$	500.00	500.00	0%	
6	Inspect Levees/Detention Basin & Debris Basins	\$	1,500.00	1,500.00	0%	
8	Species Survey and Removal	\$	1,500.00	1,500.00	0%	
10	Clean and Reshape Channel/Levees	\$	2,000.00	2,000.00	0%	
15	Repair Lined Channel	\$		0.00		AND THE BUILD
20	Erosion Control and Repair	\$	106,000.00	106,000.00	0%	
21	Provide/Maintain Dust Control	\$	25,000.00	25,000.00	0%	
25	Clean Detention/Debris Basin	\$	-	0.00		
35	Fence Repair	\$		0.00		
40	Vegetation Control - Chemical	\$	3,000.00	3,000.00	0%	
45	Vegetation Control - Mechanical	\$	-	0.00	B T T T T	
50	Maintain Access Road	\$	2,000.00	2,000.00	0%	
55	Clean & Inspect Inlet/Outlet Structures	\$		0.00		PERSONAL PROPERTY.
60	Repair Inlet/Outlet Structures	\$	-	0.00		
65	Clean Storm Sewer Lines	\$		0.00	THE RESERVE	A STATE OF THE STA
70	Storm Sewer Repair	\$	-	0,00		
75	Clean/Flush Culverts & Bridges	\$		0.00		THE WHITE WHEN
80	Miscellaneous Work Activities	\$	20,000.00	20,000.00	0%	
85	Engineering	\$		0.00		
	TOTALS	\$ \$	162,000.00	162,000.00		06/30/18
Delays or problem an	TOTALS	\$		162,000.00		

MP Facility ID: Force Account/ Contract	heyenne Peaking Basin VMD 1594-1647			•	Date Prepared:	02/16/17
Force Account/ Contract	ž.	_				
Contract	A sale day					
3 F	Activity	١	Requested Work Plan Imount (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	acility Assessment and Inventory	\$	500.00	500.00	0%	
5 Ir	spect Channels	\$		0.00	Brand and the	Section 19 Section 19
6 In	spect Levees/Detention Basin & Debris Basins	\$	2,000.00	2,000.00	0%	
8 8	pecies Survey and Removal	\$		0.00	Charles and the last of	The state of the s
	lean and Reshape Channel/Levees	\$	-	0.00		
	lepair Lined Channel	\$	F. ALL	0.00	ELE IN ALTER	INTERNATION
20 E	rosion Control and Repair	\$	-	0.00		
21 P	rovide/Maintain Dust Control	\$	W. N	0.00	THE PERSON	
25 C	lean Detention/Debris Basin	\$	10,000.00	10,000.00	0%	
35 F	ence Repair	\$	5,000.00	5,000.00	0%	
	egetation Control - Chemical	\$	3,500.00	3,500.00	0%	
	egetation Control - Mechanical	\$	3,500.00	3,500.00	0%	NU 2 PHE NUMBER
	faintain Access Road	\$	3,000.00	3,000.00	0%	
55 C	lean & Inspect Inlet/Outlet Structures	\$	1,500.00	1,500.00	0%	
	Repair Inlet/Outlet Structures	\$	-	0.00		
	Clean Storm Sewer Lines	\$	14,071.00	14,071.00	0%	STATE OF THE PARTY
70 S	Storm Sewer Repair	\$	-	0.00		
	Clean/Flush Culverts & Bridges	\$	2,000.00	2,000.00	0%	HOLD BY STATE OF THE STATE OF T
80 N	discellaneous Work Activities	\$	23,000.00	23,000.00	0%	
85 E	ingineering					
		S \$	68,071.00			06/30/18
Delays or problem are	ingineering TOTAL	.S \$	68,071.00	0.00 68,071.00		06/30/18

02/16/17 uled Completion Date	Percent Complete	Balance	Je	Avenu	/P Facility #: NLV19 Las Vegas Wash-Middle, Cheyenne Ave. to Owens
	Complete	Balance		_	illy Hairie. Las vegas veasit-iniquie, Cheyenne Ave. to Owens
	Complete	Balance			Facility ID: LVMD 1355-1550
Circo Man	0%	Remaining (\$)	Requested Work Plan Amount (\$)	٧	rce Account/ Contract Activity
		500.00	500.00	\$	3 Facility Assessment and Inventory
	0%	500.00	500,00	\$	5 Inspect Channels
		0.00	-	\$	6 Inspect Levees/Detention Basin & Debris Basins
	THE STREET ST	0.00		15	8 Species Survey and Removal
	0%	81,500.00	81,500.00	\$	10 Clean and Reshape Channel/Levees
	- TR SE	0.00		S	15 Repair Lined Channel
	0%	5,000.00	5,000.00	\$	20 Erosion Control and Repair
	0%	5,000.00	5,000.00	\$	21 Provide/Maintain Dust Control
		0.00	-	\$	25 Clean Detention/Debris Basin
	0%	5,000.00	5,000.00	\$	35 Fence Repair
	0%	5,000.00	5,000.00	\$	40 Vegetation Control - Chemical
	0%	10,500.00	10,500.00	\$	45 Vegetation Control - Mechanical
	0%	19,000.00	19,000.00	\$	50 Maintain Access Road
		0.00		\$	55 Clean & Inspect Inlet/Outlet Structures
		0.00	-	\$	60 Repair Inlet/Outlet Structures
	0%		17.073.00	\$	
			•	180 (3)	
	0%	3.500.00	3.500.00		
	0%	Andread Commission of the Commission of the Res		\$	80 Miscellaneous Work Activities
06/30/18			176.573.00	ss	
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06/	0% 0% 0%	17,073.00 0.00 3,500.00 24,000.00 0.00	3,500.00 24,000 00 176,573.00	\$ \$ \$ \$	65 Clean Storm Sewer Lines 70 Storm Sewer Repair 75 Clean/Flush Culverts & Bridges



Public Works Department

MAINTENANCE WORK PLAN FACILITIES

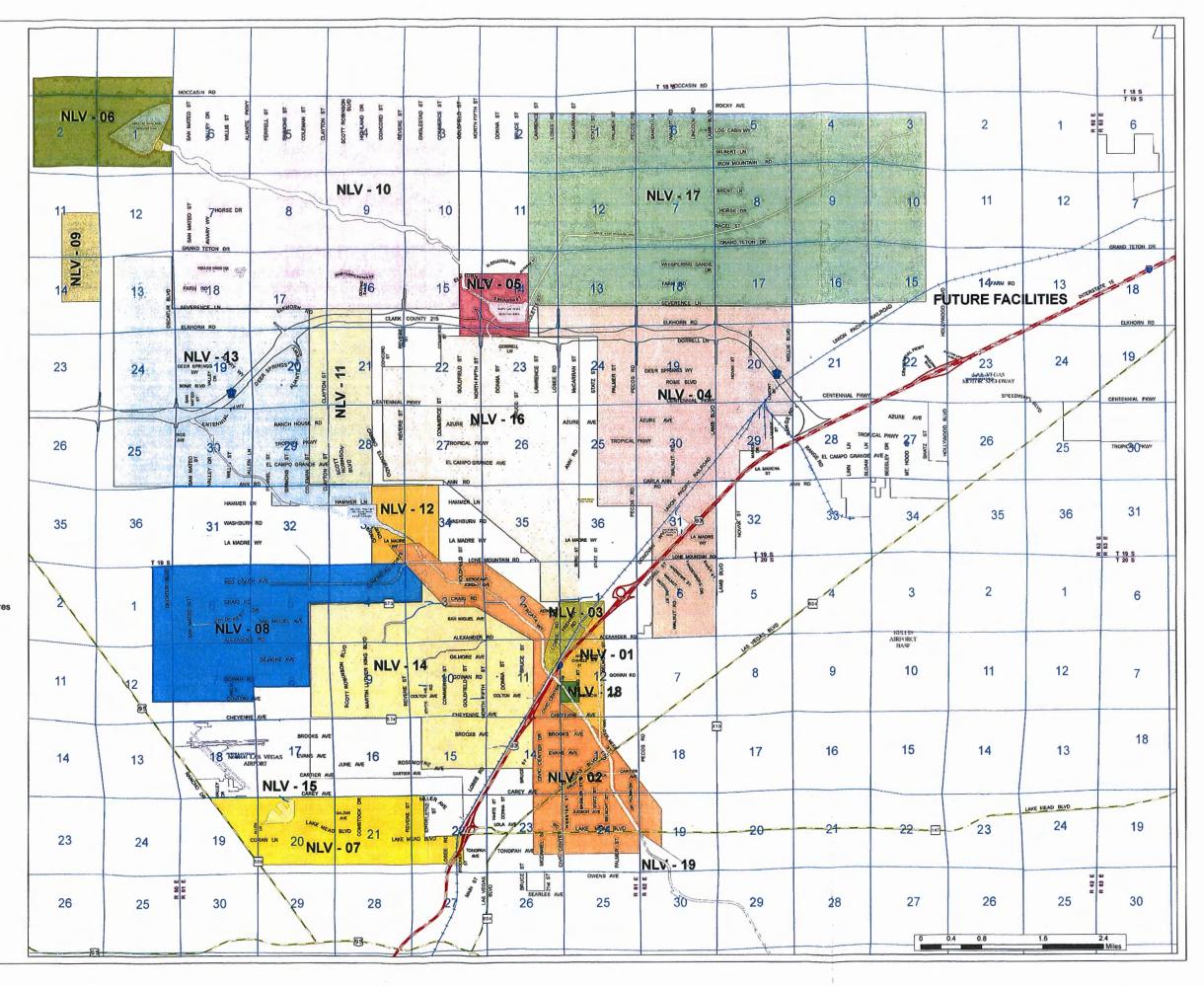
Legend

NLV-01 Las Vegas Wash - "N" Channel, 60.2 Acres NLV-02 Las Vegas Wash Middle, 85.9 Acres NLV-03 Las Vegas Wash - King Charles Channel, 13.3 Acres NLV-04 Vandenberg Detention Basin, 24.9 Acres NLV-05 North Las Vegas Detention Basin, 93.6 Acres NLV-06 Upper LV Wash Detention Basin, 195.6 Acres NLV-07 Carey/Lake Mead Detention Basin, 51.2 Acres NLV-08 Gowan Outfall Channel, 15.1 Acres NLV-09 Kyle Canyon Detention Basin NLV-10 Upper Las Vegas Wash, 169.8 Acres NLV-11 Clayton Street Channel, 6.4 Acres NLV-12 Lower Las Vegas Detention Basin, 27.4 Acres NLV-13 Western Trib-Ranch House Rd to Lower LV DB, 101.7 Acres NLV-14 Tributary to the Western Trib at Craig Rd, 20.9 Acres NLV-15 Las Vegas Wash - Smoke Ranch, 1.3 Acres NLV-16 Tropical Road Channel East, 38.8 Acres NLV-17 Range Wash - Las Vegas Wash Diversion, 70.8 Acres NLV-18 Cheyenne Peaking Basin, 31.3 Acres NLV-19 Las Vegas Wash, 10 Acres



This information is for display purposes only. No liability is assumed as to the accuracy of the data delineated hereon.

May 28, 2009



CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

U.S. GEOLOGICAL SURVEY
JOINT FUNDING AGREEMENT FOR THE COLLECTION OF RAINFALL AND
STREAMFLOW DATA

RECOMMENDATION SUMMARY

STAFF:

Approve and authorize the General Manager to sign the

Agreement.

TECHNICAL ADVISORY:

The Technical Advisory Committee did not hear this item.

CITIZENS ADVISORY:

The Citizens Advisory Committee did not hear this item.

RFCD AGENDA ITEM #09 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

JOINT FUNDING AGREEMENT WITH THE U.S. GEOLOGICAL SURVEY FOR THE COLLECTION OF RAINFALL AND STREAMFLOW DATA

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

THAT THE BOARD APPROVE AND AUTHORIZE THE GENERAL MANAGER TO SIGN THE AGREEMENT (FOR POSSIBLE ACTION)

FISCAL IMPACT: \$87,310

BACKGROUND:

The District's Joint Funding Agreement with the U.S. Geological Survey (USGS) for the collection of precipitation and streamflow data in Clark County expires on June 30, 2017. The collection of precipitation and streamflow data is an integral part of the District's flood threat recognition program. The proposed Agreement extends the District's relationship with the USGS through Fiscal Year 2017-18.

This Agreement provides for the operation and maintenance of eight (8) stations. These field stations and equipment are fully compatible with the District's data collection/flood monitoring program.

A copy of the Agreement is included in the backup. The budget for FY 2017-18 includes sufficient funds for this program.

Respectfully submitted,

ITEM #09

Date: 06/08/17

RFCD AGENDA

Steven C. Parrish, P.E.

General Manager/Chief Engineer

060817 USGS FY 17-18-item

Regional Flood Control District AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 05/24/17					
JOINT FUNDING AGREEMENT WITH THE U.S. GEOLOGICAL COLLECTION OF RAINFALL AND STREAMFLOW DATA	SURVEY FOR THE					
The District's Joint Funding Agreement with the U.S. Geological Survey (US precipitation and streamflow data in Clark County expires on June 30, 2 precipitation and streamflow data is an integral part of the District's flood through The proposed Agreement extends the District's relationship with the USC 2017-18.	017. The collection of eat recognition program.					
This Agreement provides for the operation and maintenance of eight stations. These field stations and equipment are fully compatible with the District's data collection/flood monitoring program.						
A copy of the Agreement is included in the backup. The budget for FY 2017-18 includes sufficient funds for this program.						
Staff Recommendation:						
That the Board approve and authorize the General Manager to sign the Agreer	nent.					
Discussion by Technical Advisory Committee:	AGENDA					
	# Date:					
The Technical Advisory Committee did not hear this item.						
Recommendation:						
Discussion by Citizens Advisory Committee:	AGENDA					
The Citizens Advisors Committee did not be a did not be a	# Date:					
The Citizens Advisory Committee did not hear this item.						
Recommendation:						

060817 USGS FY 17-18-aid



United States Department of the Interior

U.S. GEOLOGICAL SURVEY

PACIFIC REGION
NEVADA WATER SCIENCE CENTER
2730 N. Deer Run Road
Carson City, Nevada 89701
Phone: 775-887-7600; Fax: 775-887-7629

Website: http://www.usgs.gov/

April 28, 2017

Mr. Steven C. Parrish General Manager, Chief Engineer Clark County Regional Flood Control District 600 S. Grand Central Parkway, Suite 300 Las Vegas, NV 89106-4511

Dear Mr. Parrish:

Attached is the Joint Funding Agreement (JFA) 17WSNV00126 between the Clark County Regional Flood Control District (CCRFCD) and the U.S. Geological Survey (USGS) for the flood-alert network and surface-water monitoring program in Clark County, Nevada for the period July 1, 2017 – June 30, 2018. The USGS Nevada Water Science Center (NVWSC) currently operates 7 streamflow and 8 precipitation data-collection sites for this monitoring program.

Beginning on July 1, 2017 of this agreement, Federal Matching Funds (FMF) allocated by the Nevada Water Science Center (NVWSC) will decrease due to a scarcity of available funds. NVWSC strives to apportion our matching funds in an equitable manner that is mutually beneficial to both our customers and our science. Competition for FMF has increased while our Federal appropriation of these funds has decreased. For this reason, the USGS matching funds portion of this agreement reflects a 15 percent reduction from the previous agreement. The NVWSC will implement a 9 percent increase in customer contributions starting on July 1, 2017 of this agreement based on cost evaluations using current Federal allocations of FMF.

Total cost for operation and maintenance (O&M) of program activities during the period of July 1, 2017 to June 30, 2018 is \$138,590. Pending availability of USGS Cooperative Matching Funds, the USGS will provide \$51,280 towards this program; cost to CCRFCD for this program is increased from our prior agreement at \$80,100 to \$87,310. The table below reflects the total costs for this program.

July 1, 2017 - June 30, 2018					
Description	CCRFCD	USGS	Total Funding		
Operation and Maintenance (O&M) of 7 stage/discharge stations and 8 precipitation ALERT stations.	\$87,310	\$51,280	\$138,590		

Operation and maintenance costs for collection and dissemination of data from the alert network sites as listed on Enclosure 1 include:

- 1. Operation and maintenance of streamflow and precipitation gaging stations;
- Streamflow measurements on a 6-week schedule or as conditions warrant, such as during runoff events;
- 3. Computing peak discharge from the theoretical rating or from a hydraulic survey;
- 4. Assessment and input of field data to database;
- 5. Computing streamflow and precipitation totals; and
- 6. Publication of the approved data. Data will be reviewed, compiled, and disseminated throughout the year and annually as water year summaries on the USGS NWIS (National Water Information System) web interface. Real time (updated every hour) provisional data will continue to be provided through NWIS web. Sites will be visited and streamflow will be measured on a 6-week schedule or as conditions warrant.

If you approve of this work and the funding required, please sign the attached JFA and return it to Helen Houston at NVFinance@usgs.gov so we may provide your agency with uninterrupted, continuous data. Funds are not required at this time. A signed agreement is not a bill, only an agreement to pay for the work that will be done.

If you have questions, please refer to the contact list on Enclosure 2.

Sincerely,

David L. Berger, Director

USGS, Nevada Water Science Center

Enclosures

cc: M. Poff, S. Berris, USGS, NVWSC GS-W-NV Finance

Enclosure 1

Table 1. -- Surface-water alert sites operated by the USGS in cooperation with the Clark County Regional Flood Control District for July 1, 2017 to June 30, 2018.

USGS Site ID	Station Name	Constituent
09416000	Muddy River near Moapa	Precipitation
09419659	Sloan Channel Tributary at Las Vegas Blvd.	Discharge/Precipitation
09419665	Sloan Channel at Charleston	Discharge/Precipitation
094196781	Flamingo Wash at Nellis Blvd	Discharge/Precipitation
094196783	Las Vegas Wash below Flamingo Wash Confluence near Las Vegas	Discharge/Precipitation
094196784	Las Vegas Wash at Vegas Valley Drive	Discharge/Precipitation
09419740	C-1 Channel at Warm Springs Road Near Henderson	Discharge/Precipitation
09419745	C-1 Channel above Mouth near Henderson	Discharge/Precipitation

Enclosure 2

JFA#: 17WSNV00126

USGS Nevada Water Science Center

2730 N. Deer Run Road Carson City, NV 89701 Phone: 775-887-7600 Fax: 775-887-7629

DUNS: 178930541

Technical Contact

Steven Berris
Phone: 775-887-7693
snberris@usgs.gov

Executive Contact

David L. Berger, Director Phone: 775-887-7658 dlberger@usgs.gov

Billing Contact

Helen Houston, Budget Analyst Phone 775-887-7605 NVFinance@usgs.gov Clark County Regional Flood

Control District

600 S. Grand Central Pkwy, #300 Las Vegas, NV 89106-4511 Phone: 702-685-0000

Fax: 702-685-0001 TIN: 88-6000028 DUNS: 784348526

Technical Contact

Craig McDougall Phone: 702-685-0000

CMcDougall@regionalflood.org

Executive Contact

Steve Parrish, General Manager/Chief Engineer

Phone: 702-685-0000 SParrish@regionalflood.org

Billing Contact

Geraldine Cruz, Senior Financial Office Specialist

Phone: 702-685-0000 gcruz@regionalflood.org

Any updates to contact information can be submitted to Helen Houston at NVfinance@usgs.gov.

Form 9-1366 (April 2015) U.S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Customer #: Agreement #:

6000000354 17WSNV00126

Project #:

ZIOOAA7

JOINT FUNDING AGREEMENT TII

TIN#:

88-6000028

Fixed Cost

Agreement

YES

FOR

WATER RESOURCES INVESTIGATIONS

THIS AGREEMENT is entered into as of the, 28th day of April, 2017 by the U.S. GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the Clark County Regional Flood Control District, party of the second part.

- The parties hereto agree that subject to availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation a Flood alert network; surface water monitoring program in Clark County herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50; and 43 USC 50b.
- The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) includes In-Kind Services in the amount of \$0.00
 - (a) by the party of the first part during the period

Amount

Date

to

Date

\$51,280.00

July 1, 2017

June 30, 2018

(b) by the party of the second part during the period

Amount

Date

to

Date

\$87,310.00

July 1, 2017

June 30, 2018

(c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of: \$0.00

Description of the USGS regional/national program:

- (d) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
- (e) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.
- The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.
- The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.
- 5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.
- During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

9-1366 (Continuation)

Customer #:

6000000354

Agreement #:

17WSNV00126

- 7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.
- The maps, records, or reports resulting from this program shall be made available to the public as promptly as possible. The 8. maps, records, or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program and, if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at costs, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records, or reports published by either party shall contain a statement of the cooperative relations between the parties.
- USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered QUARTERLY. Payments of bills are due within 60 days after the billing date. If not paid by the due date, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983).

U.S. Geological Survey United States Department of the Interior

USGS Point of Contact

Clark County Regional Flood Control District

Customer Point of Contact

Name:

Steven N. Berris

Name:

Craig McDougall

Address:

2730 N. Deer Run Road

Address:

600 S. Grand Central Parkway, Suite 300

Carson City, NV 89701

Las Vegas, NV 89106-4511

Telephone:

775-887-7693

Telephone:

702-685-0000

Email:

snberris@usgs.gov

Email:

CMcDougall@regionalflood.org

Signatures and Date

Signature

Signature:

Date:

Name:

Steven C. Parrish

Title:

Director

Title:

General Manager, Chief Engineer

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

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CITY OF LAS VEGAS, KCLV-CHANNEL 2 INTERLOCAL AGREEMENT

RECOMMENDATION SUMMARY

STAFF:

Approve.

TECHNICAL ADVISORY:

The Technical Advisory Committee did not hear this item.

CITIZENS ADVISORY:

Approve.

RFCD AGENDA ITEM #10 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

INTERLOCAL AGREEMENT WITH THE CITY OF LAS VEGAS, KCLV-CHANNEL 2

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

APPROVE AND AUTHORIZE THE CHAIRMAN TO SIGN THE INTERLOCAL AGREEMENT FOR VIDEO TAPING AND EDITING OF UP TO SIX FLOOD CHANNEL TELEVISION SHOWS (FOR POSSIBLE ACTION)

FISCAL IMPACT: \$89,900 – Fiscal Year 2017-18

BACKGROUND:

The District has negotiated an Interlocal Agreement with the City of Las Vegas, KCLV-Channel 2, to provide videotaping and editing of The Flood Channel television program that airs on government access cable stations. The agreement will include up to five shows focusing on construction of flood control projects, flood safety and stormwater quality. The remaining show will combine segments from the previous year as a "Best Of" episode. This agreement is from July 1, 2017 through June 30, 2018.

KCLV-TV2 will perform the following services for the District:

- video tape and edit up to six television shows;
- store the District's video tape library;
- coordinate with the District for show production and direction, scheduling videographer and editing equipment; and
- provide supplemental services which may include videotaping of storm and/or special events.

CAC AGENDA RFCD AGENDA ITEM #14 ITEM #10 Date: 05/25/17 Date: 06/08/17

The above outline is an example of the services that will be performed as part of the television show video taping and editing in coordination with the District.

The FY 2017-2018 budget identifies sufficient funding for this Interlocal Agreement. The Interlocal Agreement has been reviewed by the District Attorney and is included in the backup.

Respectfully submitted,

Steven C. Parrish, P.E.

General Manager/Chief Engineer

CAC AGENDA RFCD AGENDA ITEM #14 ITEM # 10

Date: 05/25/17 Date: 06/08/17

052517 KCLV item

Regional Flood Control District AGENDA ITEM DEVELOPMENT

Staff Discussion: Date: 05/15/17

INTERLOCAL AGREEMENT WITH THE CITY OF LAS VEGAS, KCLV-CHANNEL 2

The District has negotiated an Interlocal Agreement with the City of Las Vegas, KCLV-Channel 2, to provide videotaping and editing of The Flood Channel television program that airs on government access cable stations. The agreement will include up to five shows focusing on construction of flood control projects, flood safety and stormwater quality. The remaining show will combine segments from the previous year as a "Best Of" episode. This agreement is from July 1, 2017 through June 30, 2018. KCLV-TV2 will perform the following services for the District:

- video tape and edit up to six television shows;
- store the District's video tape library;
- coordinate with the District for show production and direction, scheduling videographer and editing equipment; and
- provide supplemental services which may include videotaping of storm and/or special events.

The above outline is an example of the services that will be performed as part of the television show video taping and editing in coordination with the District.

The FY 2017-2018 budget identifies sufficient funding for this Interlocal Agreement. The Interlocal Agreement has been reviewed by the District Attorney and is included in the backup.

Staff Recommendation:	
Approve.	
Discussion by Technical Advisory Committee:	AGENDA # Date:
The Technical Advisory Committee did not hear this item.	
Recommendation:	
Discussion by Citizens Advisory Committee:	AGENDA #14 Date: 05/25/17
Recommendation:	
Approve.	

060817 KCLV-aid

INTERLOCAL AGREEMENT FOR VIDEO PRODUCTION SERVICES

THIS INTERLOCAL AGREEMENT FOR VIDEO PRODUCTION SERVICES ("Agreement") is entered into this 1st day of July, 2017, by and between the CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT (the "District") and CITY OF LAS VEGAS ("KCLV" referring to KCLV- Channel 2).

RECITALS

WHEREAS, the District desires to obtain the services of KCLV to provide required television production services, all as more specifically described below;

WHEREAS, the District's Board of Directors' ("the Board"), intent is to annually produce five (5) new television programs plus one (1) episode combining segments from the past year's shows for a "Best Of" episode; and

WHEREAS, said programs are designed to educate and inform the public of District programs that support the mission statement of the District;

WHEREAS, the District, as producer, will produce, write and direct, the District's information television news show;

WHEREAS, the services provided under this Interlocal Agreement serve as an effective, complimentary campaign to the District's on-going flood safety efforts;

WHEREAS, KCLV has the necessary experience and qualifications to perform the required television production services; and

WHEREAS, the District and KCLV desire to provide a full statement of their respective rights, obligations, and duties in connection with the performance of KCLV's duties hereunder.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained in this Agreement, the parties do mutually agree as follows:

SECTION I: BASIC SERVICES

- A. The District in its sole discretion shall determine the number of shows KCLV will produce during the term of the contract. For each show the District desires, it will give a separate written notice to proceed for the show to KCLV. KCLV agrees to provide videographer, editor, and/or associated video production services to provide up to 6 (six) half-hour information television news shows described as follows for the District:
 - 1. Five (5) of the shows will contain all new materials and elements; and the remaining show will re-package segments from the past year for a "Best Of" episode.
 - a. KCLV will coordinate with the District producer a minimum of 30 (thirty) days in advance regarding dates and times when the videographer will be available.
 - The District will schedule video time fifteen (15) days in advance.
 - 2. Production of each show will occur over an eight and one half (8 ½) week period and use up to 90 (ninety) hours of videographer and editor time.

- 3. Each show will air approximately eight and one half (8 ½) weeks, airing a minimum of twenty (20) times a month, as outlined on Attachment 1. Attachment 1 contains the schedule and may be modified as the work progresses with the mutual agreement of the District and KCLV.
- KCLV will provide a vehicle to transport videographer and equipment to locations in the field throughout Clark County. This may include the District's Producer as a passenger in a KCLV vehicle.
- 5. KCLV agrees to produce a final product of twenty-eight minutes and thirty seconds (28:30) using the most current industry standards per show in a form and content acceptable to the District.
- 6. KCLV will keep a current catalogue of the B-roll videotaped for each show on the District owned computer server (Serial Number QP717014Y0T) located at KCLV.
- 7. KCLV agrees to provide the District six (6) DVD's of each completed show for local broadcast media outlets including, but not limited to CCTV-Channel 4, Boulder City, Laughlin, Mesquite, and Cox Cable.
- 8. KCLV agrees to provide all materials, and supplies necessary to perform the services outlined in this Agreement.

SECTION II: SUPPLEMENTAL SERVICES

- A. The District may, at its sole discretion, desire the services of KCLV to provide additional video production services during the term of the Agreement. Additional services provided by KCLV will be performed upon request from the District in writing and KCLV will not perform such services until written approval by the District's General Manager is received. Any request for additional services above and beyond the agreed upon hours listed in Section I, BASIC SERVICES, will incur additional costs at the agreed upon hourly rate as stated in Section III, COMPENSATION AND TERMS OF PAYMENT. Those supplemental services may include, but are not limited to the following:
 - 1. Additional hour(s) of videographer time;
 - 2. Additional hour(s) of video equipment (EFP, BetaCam, Tri-Pod, Light Kit, and Microphone) time;
 - 3. Additional hour(s) of editor time;
 - 4. Additional hour(s) of editing equipment (Final Cut);
 - 5. Additional hours(s) of graphics and/or miscellaneous time;
 - 6. Additional DVD copies of finalized District shows; and/or
 - 7. Use of equipment to view and catalogue the District's video library.

SECTION III: COMPENSATION AND TERMS OF PAYMENT

A. The maximum cost to the District for Basic and Supplemental Services shall not exceed Eighty-Nine Thousand Nine Hundred Dollars and No Cents (\$89,900.00) unless the District receives a written request, with justification, and the District approves a change in SECTION I, BASIC SERVICES and SECTION II, SUPPLEMENTAL SERVICES and an increase in compensation. If approved, a supplement to this AGREEMENT must be executed.

- 1. For Basic Services, the District agrees to pay KCLV on a per show basis as follows: Sixteen Thousand One Hundred and Fifty Dollars and No Cents (\$16,150.00) per show for shows number 1 and number 2 and Thirteen Thousand One Hundred Fifty Dollars and No Cents (\$13,150.00) per show for the remaining shows number 3, 4, 5 and 6 defined in Section I: Basic Services, A.1 for a total amount not to exceed Eighty-Four Thousand Nine Hundred Dollars and No Cents (\$84,900.00).
- 2. Supplemental Services in the amount not to exceed Five Thousand Dollars and No Cents (\$5,000.00), the District agrees to pay as follows:
 - a. Videographer time at a rate of (Fifty Dollars and No Cents) \$50.00 per hour;
 - b. Video equipment time which includes as a minimum a BetaCam, Tri-Pod, Light Kit, and Microphone (EFP) at a rate of Five Hundred Dollars and No Cents (\$500.00) per day;
 - c. Editor time at a rate of Sixty Five Dollars and No Cents (\$65.00) per hour;
 - d. Editing equipment (Final Cut) time at a rate of One Hundred Twenty Dollars and No Cents (\$120.00) per hour;
 - e. Graphics and/or miscellaneous equipment time at a rate of Forty Dollars and No Cents (\$40.00) per hour;
 - f. Additional DVD copies of finalized District shows as follows:
 - g. DVD disc at One Dollar and No Cents (\$1.00) each;
 - h. Dubbing costs at a rate of Twenty Five Dollars and No Cents (\$25.00) per hour; and/or
 - i. Equipment to view and catalogue the District's video library at a rate of Twenty Dollars and No Cents (\$20.00) per hour.
- B. Compensation for work on Basic and/or Supplemental Services will be paid upon successful completion of the work as solely determined by the District. Payment will be made within fifteen (15) days upon receipt of invoice from KCLV.

SECTION IV: TERMS AND TERMINATION

- A. The term of this Agreement is for television production services effective July 1, 2017 through June 30, 2018 (the "Term"). The District shall have the right and option to extend this Agreement one (1) additional time for the term of July 1, 2018 through June 30, 2019, if the option is exercised at any time prior to the expiration of this Agreement, the District Board of Directors approves sufficient funds in its Annual Budget and the District's General Manager provides written notification to KCLV to extend the Agreement for one (1) additional year.
- B. The District or KCLV may, with or without cause, terminate this Agreement at any time prior to completion by KCLV of the services required herein upon thirty (30) days written notice in advance.
- C. In the event this Agreement is terminated, KCLV will be compensated for all work satisfactorily performed and completed to the effective date of termination.

SECTION V: MISCELLANEOUS PROVISIONS

- A. KCLV agrees to secure any and all necessary approvals and permissions for any copyrighted material secured by KCLV to be used in The Flood Channel shows.
- B. The District agrees to secure any and all necessary approvals and permissions for the use of any copyrighted materials supplied by the District to KCLV specifically but not limited to flood footage obtained from local broadcast network affiliates to be used for the services provided herein.
- C. KCLV will provide the station's hours of operation and agree to allow the District staff and Producer to be on KCLV's property only when other KCLV staff members are present. This may include weekends or after normal business hours.
- D. KCLV will allow the District staff and Producer to park in the City of Las Vegas' employee parking lot.
- E. KCLV agrees to store new B-roll footage shot as part of this Interlocal Agreement for future use for The Flood Channel in digital and Beta tape format. KCLV also agrees to store the District's library of approximately three hundred (300) B-roll Beta tapes. Storage of new and old tapes will be for the term of this Agreement.
- F. KCLV agrees that it shall not enter collateral, artwork, or other products developed under this Interlocal Agreement in any contest, award program, or the like without the written authorization of the District.
- G. KCLV agrees to obtain District approval on all material prior to release. All materials are to be carefully inspected by KCLV for the highest level of technical expertise in television production. KCLV agrees to abide by the determination of the District to remove or revise any objectionable portions of the recording in accordance with the District's direction and approval. KCLV agrees that any broadcast of the recording will only be in the context and form it was presented to the District.
- H. The District currently has a logo, which needs to be utilized for the performance of this Interlocal Agreement. No modifications to the logo will be allowed unless approved in writing by the District.
- KCLV is at all times operating as an independent contractor and at no time is operating as an employee or agent of the District.
- J. KCLV agrees that the District's official name may not be used as an endorsement of any product or service. KCLV may not use or refer to the District by any fictitious name or attribute fictitious events to the District.
- K. KCLV agrees to comply with all local, state and federal laws, including but not limited to regulations, standards, rules, codes, ethics and regulations regarding and related to industry standards, including but not limited to recording, copying, editing, translating, communication, broadcasting, reporting, production and reproduction.
- L. KCLV may retain employees or other professional service providers to perform the services required by this Agreement. Such employees or other professional service providers will be the obligation of KCLV. The District will not be a party to any Interlocal Agreement with outside agent and the total cost of this Interlocal Agreement shall not be increased due to the utilization of an outside agent.
- M. Any and all program rights, videotape shot by KCLV, documents, art work, rights to art work and other products prepared and/or submitted by KCLV to the District, and all information

acquired by KCLV per the Interlocal Agreement, become property of the District. KCLV may retain copies and reproducible copies of all work products produced as a result of the work. In the event of the completion and/or termination of the Interlocal Agreement, all documents produced shall become the property of the District. KCLV agrees to surrender all such documents to the District in a timely manner, and at no charge, at the request of the District. Videotape provided to KCLV by other broadcast outlets are copyrighted materials owned by those outlets and remain with the District for its sole use.

N. In accordance with the Federal Communications Commission equal time doctrine, and Nevada Revised Statutes ("NRS") the Board reaffirms that once District Board members or anyone files for an elected office, he/she will not appear on any subsequent District television program until after the results of that election are final.

SECTION VI: ASSIGNMENT

This Agreement may not be assigned by either party without the express written consent of the other party.

SECTION VII: NOTICE

Any notice required or permitted by this Agreement shall be in writing and shall be deemed given at the time it is deposited in the United States Mail, postage prepaid, certified or registered mail, return receipt requested, addressed to the party to whom it is to be given as follows:

To District: Clark County Regional Flood Control District

600 South Grand Central Parkway, Suite 300

Las Vegas, NV 89106-4511

To KCLV: KCLV-Channel 2

City of Las Vegas 495 S. Main Street Las Vegas, NV 89101

SECTION VIII: NON-EXCLUSIVE AGREEMENT

KCLV agrees that its employees shall devote such time to the performance of its duties under this Agreement as is reasonably necessary. Nothing herein shall be construed as a limitation upon the right of KCLV to engage in any other consulting agreement, service agreement, business venture or other activity.

SECTION IX: APPLICABLE LAW

This Agreement will be interpreted and enforced under Nevada Law. Jurisdiction for judicial review under this Agreement shall rest exclusively with the Eighth Judicial District Court, County of Clark, State of Nevada.

SECTION X: MODIFICATION OF INTERLOCAL AGREEMENT

This Interlocal Agreement may not be changed or modified except by written instrument executed by both parties.

SECTION XI: NO THIRD PARTY RIGHTS

This document shall not create any right in or benefit to parties other than the District and KCLV.

SECTION XII: COMPLETE AGREEMENT

- A. This Agreement embodies the whole agreement between the parties.
- B. There are no inducements, promises, terms, conditions or obligations made or entered into by the District or KCLV other than those contained in the Agreement.
- C. The failure of either party to enforce, at any time or for any period of time, the provisions hereof shall not be construed as a waiver of such provisions or of the rights of such party to enforce each and every provision.

SECTION XIII: EXISTING AGREEMENT

This	Agreement	supersedes	any	prior	agreement	and	terminates	any	and	all	existing	Interlocal
Agree	ements betw	een KCLV	and t	he Dis	strict.							

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IN WITNESS THEREOF, the District and KCLV have caused this Interlocal Agreement for Video Production Services to be executed as of the date and year first above written and shall remain in effect from the term of July 1, 2017 through June 30, 2018.

Date of Board Approval.	CONTROL DISTRICT
	By:
ATTEST:	Chairman
By: Deanna Hughes Secretary to the Board	
APPROVED AS TO FORM:	
By: Christopher D. Figgins Chief Deputy District Attorney	
Date of Council Approval:	
en entre altre entre de la companya del companya de la companya del companya de la companya de l	CITY OF LAS VEGAS
ATTEST:	By:Carolyn G. Goodman, Mayor
By: LuAnn D. Holmes, MMC City Clerk	
APPROVED AS TO FORM:	
By: Deputy City Attorney	Date:

Attachment 1 The Flood Channel 2017-2018 Show Schedule

Show #110

July/ August /October 2017
Show Approval *Week of September 1^{st*}
Runs = 9 weeks

Show #111

November 2017 / December 2017 / January 2018 Show Approval *Week of November 3rd* Runs = 8 weeks

Show #112

January / February / March 2018
Show Approval *Week of January 5th*
Runs = 8 weeks

Show #113

March / April / May 2018 <u>Show Approval *Week of March 9^{th*}</u> Runs = 8 weeks

Show #114

May / June / July 2018
Show Approval *Week of May 4th*
Runs = 9 weeks

Show #115

July / August / September 2018
Show Approval *Week of July 29^{th*}
Runs = approximately 8 weeks

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

FY 2017-18 – OPERATION AND MAINTENANCE COSTS RFCD/RTC ADMINISTRATION BUILDING

RECOMMENDATION SUMMARY

STAFF:

Approve.

TECHNICAL ADVISORY:

The Technical Advisory Committee did not hear this item.

CITIZENS ADVISORY:

The Citizens Advisory Committee did not hear this item.

RFCD AGENDA ITEM #11 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

RFCD/RTC ADMINISTRATION BUILDING OPERATION AND MAINTENANCE COSTS

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

APPROVE AND AUTHORIZE FY 2017-18 EXPENDITURE FOR THE OPERATION AND MAINTENANCE OF THE RFCD/RTC ADMINISTRATION BUILDING (FOR POSSIBLE ACTION)

FISCAL IMPACT: \$378,000 – Fund 2860

BACKGROUND: On February 9, 1995, the Board approved a lease agreement between Clark County, Regional Transportation Commission (RTC), and the District to lease land at the Government Center site for the RFCD/RTC Administration Building. On April 13, 1995, RTC and the District entered into an agreement (as amended on October 10, 1996, May 8, 1997, June 12, 1997, and January 8, 1998), to design and construct a joint-use administration building.

On June 10, 1999, the RTC and the District entered into an agreement for the operation and maintenance of the joint-use administration building. The agreement provides for a cost sharing arrangement to cover the operating expense of the building. The RTC pays for the operation of the building and bills the District for a share of the costs. The District is responsible for reimbursing RTC 16.5 percent of the operating expense on an annual basis. The costs will vary from year-to-year based on actual results. The FY 2017-18 budget includes the District's share of the operation and maintenance of the joint-use building. Accordingly, staff requests that the Board approve and authorize the FY 2017-18 expenditure of \$378,000 for the operation and maintenance of the joint-use administration building.

Respectfully submitted,

Steven C. Parrish, P.E.

General Manager/Chief Engineer

RFCD AGENDA ITEM #11

D . 06/00

Date: 06/08/17

060817 Building Expenses FY 17-18-item

Regional Flood Control District AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 05/24/17		
RFCD/RTC ADMINISTRATION BUILDING OPERATIONS AND MAIN FISCAL YEAR 2017-18	NTENANCE COSTS		
On February 9, 1995, the Board approved a lease agreement between Clark County, Regional Transportation Commission (RTC), and the District to lease land at the Government Center site for the RFCD/RTC Administration Building. On April 13, 1995, RTC and the District entered into an agreement (as amended on October 10, 1996, May 8, 1997, June 12, 1997, and January 8, 1998), to design and construct a joint-use administration building.			
On June 10, 1999, the RTC and the District entered into an agreement for the operation and maintenance of the joint-use administration building. The agreement provides for a cost sharing arrangement to cover the operating expense of the building. The RTC pays for the operation of the building and bills the District for a share of the costs. The District is responsible for reimbursing RTC 16.5 percent of the operating expense on an annual basis. The costs will vary from year-to-year based on actual results. The FY 2017-18 budget includes the District's share of the operation and maintenance of the joint-use building. Accordingly, staff requests that the Board approve and authorize the FY 2017-18 expenditure of \$378,000 for the operation and maintenance of the joint-use administration building.			
Staff Recommendation:			
Authorize the FY 2017-18 expenditure of \$378,000 for the operation and maintenance of the joint-use administration building.			
Discussion by Technical Advisory Committee:	AGENDA # Date:		
The Technical Advisory Committee did not hear this item.			
Recommendation:			
Discussion by Citizens Advisory Committee:	AGENDA # Detail		
The Citizens Advisory Committee did not hear this item.			
Recommendation:			
	7 10		

060817 Building Expenses FY 17-18-aid

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

RESOLUTION NO. 17-2 DONATION OF SURPLUS COMPUTERS AND PERIPHERALS

RECOMMENDATION SUMMARY

STAFF:

Approve.

TECHNICAL ADVISORY:

The Technical Advisory Committee did not hear this item.

CITIZENS ADVISORY:

The Citizens Advisory Committee did not hear this item.

RFCD AGENDA ITEM #12

DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

RESOLUTION NO. 17-2 FOR DONATION OF SURPLUS COMPUTERS AND PERIPHERALS

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

APPROVE, ADOPT, AND AUTHORIZE THE CHAIRMAN TO SIGN RESOLUTION NO. 17-2 FOR DONATION OF SURPLUS COMPUTERS AND PERIPHERALS TO THE CLARK COUNTY PUBLIC EDUCATION FOUNDATION AND/OR THE BLIND CENTER OF NEVADA; AND AUTHORIZE THE GENERAL MANAGER OR HIS DESIGNEE TO SIGN THE TRANSFER OF PROPERTY AGREEMENT FOR THE PERIOD OF JULY 1, 2017 THROUGH JUNE 30, 2018, OR TAKE OTHER ACTION AS APPROPRIATE (FOR POSSIBLE ACTION)

FISCAL IMPACT: None.

BACKGROUND: In accordance with NRS Chapter 543.400, the Clark County Regional Flood Control District may donate commodities, supplies, materials and equipment that the Board determines to have reached the end of their useful lives to various nonprofit organizations. The donations may be used for any purpose which shall provide a substantial benefit to the inhabitants of Clark County.

Throughout the year, the District identifies various computers and peripherals that have reached the end of their useful life for the agency and are designated as surplus property.

Donation of the surplus computers and peripherals to the Clark County Public Education Foundation will allow the equipment to be used by public schools throughout Clark County. Donation of the surplus computers and peripherals to The Blind Center of Nevada will offer opportunities for the visually impaired to acquire skills necessary to enhance or develop a career.

Respectfully submitted,

Steven C. Parrish, P.E.

General Manager/Chief Engineer

RFCD AGENDA ITEM #12

Date: 06/08/17

060817 Computer Donation-item

Regional Flood Control District AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 05/24/17	
RESOLUTION NO. 17-2 FOR DONATION OF SURPLUS COMPUTERS AND PERIPHERALS		
In accordance with NRS Chapter 543.400, the Clark County Regional Flood Control District may donate commodities, supplies, materials and equipment that the Board determines to have reached the end of their useful lives to various nonprofit organizations. The donations may be used for any purpose which shall provide a substantial benefit to the inhabitants of Clark County.		
Throughout the year, the District identifies various computers and peripherals the of their useful life for the agency and are designated as surplus property.	at have reached the end	
Donation of the surplus computers and peripherals to the Clark County Public Education Foundation will allow the equipment to be used by public schools throughout Clark County. Donation of the surplus computers and peripherals to The Blind Center of Nevada will offer opportunities for the visually impaired to acquire skills necessary to enhance or develop a career.		
Staff Recommendation:		
Approve, adopt, and authorize the Chairman to sign Resolution No. 17-2 for donation of surplus computers and peripherals to the Clark County Public Education Foundation and/or the Blind Center of Nevada; and authorize the General Manager or his designee to sign the Transfer of Property Agreement for the period of July 1, 2017 through June 30, 2018, or take other action as appropriate.		
Discussion by Technical Advisory Committee:	AGENDA # Date:	
The Technical Advisory Committee did not hear this item.		
Recommendation:		
Discussion by Citizens Advisory Committee:	AGENDA	
The Citizens Advisory Committee did not hear this item.		
•		
Recommendation:		

060817 Computer Donation-aid

RESOLUTION NO. 17-2

ESTABLISHING GUIDELINES FOR THE DONATION OF SURPLUS COMPUTERS AND PERIPHERALS

WHEREAS, NRS Chapter 543.400 authorizes the Clark County Regional Flood Control District or its authorized representative to donate commodities, supplies, materials and equipment the Board determines to have reached the end of their useful lives; and

WHEREAS, NRS Chapter 543.400 authorizes the donation to nonprofit organizations created for religious, charitable or educational purposes or to another governmental entity, to be used for any purpose which shall provide a substantial benefit to the inhabitants of the county; and

WHEREAS, the Clark County Regional Flood Control District throughout the year identifies various computers and associated peripherals that have reached the end of their useful lives and are designated as surplus property; and

WHEREAS, the Clark County Public Education Foundation has expressed an interest in obtaining the surplus computers and associated peripherals for implementation into the Clark County School District. Also, The Blind Center of Nevada has expressed an interest in obtaining the surplus computer and associated peripherals offering opportunities for the visually impaired to acquire skills necessary to enhance or develop a career.

NOW, THEREFORE, BE IT RESOLVED that the Clark County Regional Flood Control District Board of Directors authorize the General Manager or designee to declare miscellaneous computers and associated peripherals as surplus for the term beginning July 1, 2017 and ending on June 30, 2018, and to donate said items, provided the following criteria are met:

- The miscellaneous computers and associated peripherals have reached the end of their useful lives and are documented as surplus property.
- 2. All software is deleted from the computers and associated peripherals prior to donation.
- 3. No software licenses, except for identifiable Original Equipment Manufacturer operating systems, will be transferred as part of the donation.
- 4. The surplus computers and peripherals will be donated for the purpose of implementation into the Clark County School District, by the Clark County Public Education Foundation.
- 5. The surplus computers and peripherals will be donated to The Blind Center of Nevada for the purpose of offering many opportunities for the visually impaired to acquire skills necessary to enhance or develop a career.

6. An Agreement of Tran	nsfer of Property is executed.
PASSED, ADOPTED, AND APPRO	OVED THIS DAY OF, 2017
	BOARD OF DIRECTORS CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT CLARK COUNTY, NEVADA
	LAWRENCE L. BROWN, III, CHAIRMAN
ATTEST:	
DEANNA HUGHES SECRETARY TO THE BOARD	

AGREEMENT OF TRANSFER OF PROPERTY

The CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT (hereinafter referred to as DISTRICT), hereby agrees to transfer surplus computers and peripheral equipment, if any, (hereinafter referred to as PROPERTY), to CLARK COUNTY PUBLIC EDUCATION FOUNDATION (hereinafter referred to as RECIPIENT), 4350 South Maryland Parkway, Las Vegas, Nevada 89119.

This agreement of transfer of property is pursuant to NRS chapter 543.400, which authorizes the DISTRICT to donate materials, supplies, and equipment that it determines to have reached the end of their useful lives. This agreement is for the convenience of the DISTRICT and is considered to be a "non-exclusive" agreement. Therefore, the DISTRICT may donate materials, supplies, and equipment that it determines to have reached the end of their useful lives to sources other than the agreement holder as long as they comply with NRS Chapter 543.400. The DISTRICT does not guarantee any usage, nor does the DISTRICT agree any surplus computers or peripheral equipment will be transferred.

The DISTRICT in its sole discretion will provide a list of designated PROPERTY to be donated at the time of notification of pick-up. RECIPIENT accepts the PROPERTY "AS IS" and acknowledges that the PROPERTY is used. There are no warranties applicable to the PROPERTY whatsoever, and no software licenses are being transferred as part of this Agreement. RECIPIENT, by signing this Transfer Agreement, waives its right to seek damages of any nature from the DISTRICT or its employees arising out of the transfer of said PROPERTY to RECIPIENT.

The DISTRICT is responsible for:

- 1. Notifying the RECIPIENT, in writing, when PROPERTY is available.
- 2. Providing the location, contact name and phone number for each location prior to pick-up.
- 3. Coordination of the pick-up of PROPERTY as required.

The RECIPIENT is responsible for:

- 1. Transporting the PROPERTY from DISTRICT'S using department to RECIPIENT'S point of destination.
- Ensuring pick-up and acceptance of <u>all</u> designated PROPERTY within 5 working days after notice of the donation. If RECIPIENT refuses to pick-up certain designated PROPERTY based on its condition, DISTRICT reserves the right to terminate this AGREEMENT.
- 3. Taking ownership of PROPERTY at time of pick-up.

This Agreement of Transfer of Property shall remain in effect for the term beginning July 1, 2017 and ending on June 30, 2018, unless otherwise terminated as provided herein. Recipient or its authorized representative acknowledges that by signing below he/she has read, understands, and accepts all the conditions of the agreement. BY: CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT STEVEN C. PARRISH, P.E. GENERAL MANAGER/CHIEF ENGINEER DATE BY: CLARK COUNTY PUBLIC EDUCATION FOUNDATION JUDI K. STEELE PRESIDENT/CHIEF EXECUTIVE OFFICER DATE

Maintaining and providing a current list of personnel authorized for pick-up of

4.

PROPERTY.

AGREEMENT OF TRANSFER OF PROPERTY

The CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT (hereinafter referred to as DISTRICT), hereby agrees to transfer surplus computers and peripheral equipment, if any, (hereinafter referred to as PROPERTY), to THE BLIND CENTER OF NEVADA (hereinafter referred to as RECIPIENT), 1001 N. Bruce Street, Las Vegas, Nevada 89101.

This agreement of transfer of property is pursuant to NRS chapter 543.400, which authorizes the DISTRICT to donate materials, supplies, and equipment that it determines to have reached the end of their useful lives. This agreement is for the convenience of the DISTRICT and is considered to be a "non-exclusive" agreement. Therefore, the DISTRICT may donate materials, supplies, and equipment that it determines to have reached the end of their useful lives to sources other than the agreement holder as long as they comply with NRS Chapter 543.400. The DISTRICT does not guarantee any usage, nor does the DISTRICT agree any surplus computers or peripheral equipment will be transferred.

The DISTRICT in its sole discretion will provide a list of designated PROPERTY to be donated at the time of notification of pick-up. RECIPIENT accepts the PROPERTY "AS IS" and acknowledges that the PROPERTY is used. There are no warranties applicable to the PROPERTY whatsoever, and no software licenses are being transferred as part of this Agreement. RECIPIENT, by signing this Transfer Agreement, waives its right to seek damages of any nature from the DISTRICT or its employees arising out of the transfer of said PROPERTY to RECIPIENT.

The DISTRICT is responsible for:

- 1. Notifying the RECIPIENT, in writing, when PROPERTY is available.
- Providing the location, contact name and phone number for each location prior to pick-up.
- 3. Coordination of the pick-up of PROPERTY as required.

The RECIPIENT is responsible for:

- 1. Transporting the PROPERTY from DISTRICT'S using department to RECIPIENT'S point of destination.
- 2. Ensuring pick-up and acceptance of <u>all</u> designated PROPERTY within 5 working days after notice of the donation. If RECIPIENT refuses to pick-up certain designated PROPERTY based on its condition, DISTRICT reserves the right to terminate this AGREEMENT.
- 3. Taking ownership of PROPERTY at time of pick-up.

4. Maintaining and providing a current list of personnel authorized for pick-up of PROPERTY.

This Agreement of Transfer of Property shall remain in effect for the term beginning July 1, 2017 and ending on June 30, 2018, unless otherwise terminated as provided herein.

Recipient or its authorized representative acknowledges that by signing below he/she has read, understands, and accepts all the conditions of the agreement.

BY: CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

GENERAL MANAGER/CHIEF ENGINEER

BY: THE BLIND CENTER OF NEVADA

DATE

CORY NELSON

DATE

EXECUTIVE DIRECTOR

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

RESOLUTION NO. 17-3 DONATION OF EMPTY TONER CARTRIDGES AND NON-FUNCTIONING CELLULAR TELEPHONES AND ASSOCIATED EQUIPMENT

RECOMMENDATION SUMMARY

STAFF:

Approve.

TECHNICAL ADVISORY:

The Technical Advisory Committee did not hear this item.

CITIZENS ADVISORY:

The Citizens Advisory Committee did not hear this item.

RFCD AGENDA ITEM #13 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

RESOLUTION NO. 17-3 FOR DONATION OF EMPTY TONER CARTRIDGES AND NON-FUNCTIONING CELLULAR TELEPHONES AND ASSOCIATED EQUIPMENT

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

APPROVE, ADOPT, AND AUTHORIZE THE CHAIRMAN TO SIGN RESOLUTION NO. 17-3 FOR DONATION OF EMPTY TONER CARTRIDGES AND NON-FUNCTIONING CELLULAR TELEPHONES AND ASSOCIATED EQUIPMENT TO HABITAT FOR HUMANITY LAS VEGAS FOR THE PERIOD OF JULY 1, 2017 THROUGH JUNE 30, 2018, OR TAKE OTHER ACTION AS APPROPRIATE (FOR POSSIBLE ACTION)

FISCAL IMPACT: None.

BACKGROUND:

In accordance with NRS Chapter 244.1505 in conjunction with NRS Chapter 543.400, the Clark County Regional Flood Control District may donate commodities, supplies, materials and equipment that the Board determines to have reached the end of their useful lives to various nonprofit organizations. The donations may be used for any purpose which shall provide a substantial benefit to the inhabitants of Clark County.

Throughout the year, the District identifies empty toner cartridges and non-functioning cellular telephones and associated equipment as no longer of any use to the Clark County Regional Flood Control District or any other governmental agency.

Donation of these items will assist Habitat for Humanity Las Vegas, a nonprofit organization, to help eliminate poverty housing in the Las Vegas area.

Respectfully submitted,

Steven C. Parrish P.E.

General Manager/Chief Engineer

RFCD AGENDA ITEM #13

Date: 06/08/17

RESOLUTION NO. 17-3

ESTABLISHING GUIDELINES FOR THE DONATION OF EMPTY TONER CARTRIDGES AND NON-FUNCTIONING CELLULAR TELEPHONES AND ASSOCIATED EQUIPMENT

WHEREAS, NRS Chapter 244.1505 in conjunction with NRS Chapter 543.400 authorizes the Clark County Regional Flood Control District or its authorized representative to donate commodities, supplies, materials and equipment the Board determines to have reached the end of their useful lives; and

WHEREAS, NRS Chapter 244.1505 in conjunction with NRS Chapter 543.400 authorizes the donation to nonprofit organizations created for religious, charitable or educational purposes or to another governmental entity, to be used for any purpose which shall provide a substantial benefit to the inhabitants of the county; and

WHEREAS, the Clark County Regional Flood Control District throughout the year identifies empty toner cartridges and non-functioning cellular telephones and associated equipment as no longer of any use to the Clark County Regional Flood Control District or any other governmental agency; and

WHEREAS, Habitat for Humanity Las Vegas has expressed an interest in obtaining the surplus empty toner cartridges and non-functioning cellular telephones to utilize for charitable purposes.

NOW, THEREFORE, BE IT RESOLVED that the Clark County Regional Flood Control District Board of Directors authorize the General Manager or designee to declare empty toner cartridges as surplus for the term beginning July 1, 2017 and ending on June 30, 2018, and to donate said items to Habitat for Humanity Las Vegas.

PASSED, ADOPTED, AND APPROV	ED THIS	DAY OF	, 2017.
	CLARK CONTR	O OF DIRECTORS COUNTY REGIONAL OL DISTRICT COUNTY, NEVADA	FLOOD
	LAWRI	ENCE L. BROWN, III, C	CHAIRMAN
ATTEST:			
DEANNA HUGHES SECRETARY TO THE BOARD			

Regional Flood Control District AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 05/24/17	
RESOLUTION NO. 17-3 FOR DONATION OF EMPTY TONER CARTRIS FUNCTIONING CELLULAR TELEPHONES AND ASSOCIATED EQUIP		
In accordance with NRS Chapter 244.1505 in conjunction with NRS Chapter 543.400, the Clark County Regional Flood Control District may donate commodities, supplies, materials and equipment that the Board determines to have reached the end of their useful lives to various nonprofit organizations. The donations may be used for any purpose which shall provide a substantial benefit to the inhabitants of Clark County.		
Throughout the year, the District identifies empty toner cartridges and non-functioning cellular telephones and associated equipment as no longer of any use to the Clark County Regional Flood Control District or any other governmental agency.		
Donation of these items will assist Habitat for Humanity Las Vegas, a nonprofit organization, to help eliminate poverty housing in the Las Vegas area.		
Staff Recommendation:		
Approve, adopt, and authorize the Chairman to sign Resolution No. 17-3 for donation of empty toner cartridges and non-functioning cellular telephones and associated equipment to Habitat for Humanity Las Vegas for the period of July 1, 2017 through June 30, 2018, or take other action as appropriate.		
Discussion by Technical Advisory Committee:	AGENDA # Date:	
The Technical Advisory Committee did not hear this item.		
Recommendation:		
Discussion by Citizens Advisory Committee: AGENDA # Date:		
The Citizens Advisory Committee did not hear this item.		
Recommendation:		

060817 Toner Donation-aid

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

REQUEST FOR PROPOSALS
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT
COMPLIANCE FOR THE LAS VEGAS VALLEY

RECOMMENDATION SUMMARY

STAFF:

That the Board approve and authorize the General Manager/Chief Engineer to issue a Request for Proposals, select a consultant and negotiate a professional services contract to provide consulting and laboratory services for compliance with the valley-wide NPDES stormwater permit and program.

TECHNICAL ADVISORY:

Follow staff recommendation.

CITIZENS ADVISORY:

Follow staff recommendation.

RFCD AGENDA ITEM #14 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT COMPLIANCE FOR THE LAS VEGAS VALLEY – REQUEST FOR PROPOSALS

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

THAT THE BOARD AUTHORIZE THE GENERAL MANAGER/CHIEF ENGINEER TO ISSUE A REQUEST FOR PROPOSALS FROM INTERESTED AND QUALIFIED ENGINEERING FIRMS, SELECT A CONSULTANT, AND NEGOTIATE A PROFESSIONAL SERVICES CONTRACT TO PROVIDE CONSULTING AND LABORATORY SERVICES FOR COMPLIANCE WITH THE VALLEY-WIDE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT (FOR POSSIBLE ACTION)

FISCAL IMPACT: None.

BACKGROUND:

Since 1990, the cities of Henderson, Las Vegas and North Las Vegas; Clark County; and the District (Permittees) have administered a National Pollutant Discharge Elimination System (NPDES) stormwater quality permit issued by the State of Nevada, Division of Environmental Protection (NDEP). The permit establishes conditions designed to identify sources of pollution and promote the reduction of pollutants in stormwater discharges. The current permit expired on February 8, 2015 and was administratively extended by NDEP until a new permit can be issued.

Since 1991, the District has contracted with an outside consultant to provide permit compliance services including stormwater sampling, laboratory analysis, reporting, and permit negotiation and program development. At this time, the General Manager/Chief Engineer would like to issue a Request for Proposals, select a consultant and negotiate a professional services contract to provide consulting and laboratory services for compliance with the valley-wide NPDES stormwater permit and program. The contract will have a duration of five years with an option to extend on an annual basis for up to five additional years.

TAC AGENDA RFCD AGENDA ITEM #09 ITEM #14 Date: 05/25/17 Date: 06/08/17

CAC AGENDA ITEM #09 Date: 05/25/17 The District's FY 2017/2018 budget includes an appropriation for this work. Included in the backup for review is a project description and Request for Proposals prepared by staff.

Respectfully submitted,

Steven C. Parrish P.E.

General Manager/Chief Engineer

TAC AGENDA	RFCD AGENDA
ITEM #09	ITEM #14
Date: 05/25/17	Date: 06/08/17
CAC AGENDA	

CAC AGENDA ITEM #09 Date: 05/25/17

060817 RFP - NPDES-item

Regional Flood Control District AGENDA ITEM DEVELOPMENT

Staff Discussion: Date: 05/17/17

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM PERMIT COMPLIANCE FOR THE LAS VEGAS VALLEY – REQUEST FOR PROPOSALS

Since 1990, the cities of Henderson, Las Vegas and North Las Vegas; Clark County; and the District (Permittees) have administered a National Pollutant Discharge Elimination System (NPDES) stormwater quality permit issued by the State of Nevada, Division of Environmental Protection (NDEP). The permit establishes conditions designed to identify sources of pollution and promote the reduction of pollutants in stormwater discharges. The current permit expired on February 8, 2015 and was administratively extended by NDEP until a new permit can be issued.

Since 1991, the District has contracted with an outside consultant to provide permit compliance services including stormwater sampling, laboratory analysis, reporting, and permit negotiation and program development. At this time, the General Manager/Chief Engineer would like to issue a Request for Proposals, select a consultant and negotiate a professional services contract to provide consulting and laboratory services for compliance with the valley-wide NPDES stormwater permit and program. The contract will have a duration of five years with an option to extend on an annual basis for up to five additional years.

The District's FY 2017/2018 budget includes an appropriation for this work. Included in the backup for review is a project description and Request for Proposals prepared by staff.

Staff Recommendation:

That the Board approve and authorize the General Manager/Chief Engineer to issue a Request for Proposals, select a consultant and negotiate a professional services contract to provide consulting and laboratory services for compliance with the valley-wide NPDES stormwater permit and program.

laboratory services for compliance with the valley-wide NPDES	
Discussion by Technical Advisory Committee:	AGENDA #09 Date: 05/25/17
Recommendation:	
Follow staff recommendation.	
Discussion by Citizens Advisory Committee:	AGENDA #09 Date: 05/25/17
Recommendation:	
Follow staff recommendation.	

TO: INTERESTED CONSULTING ENGINEERING FIRMS

FROM: STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

SUBJECT: REQUEST FOR PROPOSALS TO PROVIDE CONSULTING AND

LABORATORY SERVICES FOR COMPLIANCE WITH THE LAS VEGAS VALLEY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT

DATE: June 8, 2017

ADVERTISEMENT NOTICE

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT REQUEST FOR PROPOSALS TO PROVIDE CONSULTING AND LABORATORY SERVICES FOR COMPLIANCE WITH THE LAS VEGAS VALLEY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

The Clark County Regional Flood Control District (District) is requesting proposals from engineering firms desiring to provide consulting and laboratory services for compliance with the Las Vegas Valley National Pollutant Discharge Elimination System (NPDES) permit.

Interested consulting firms must obtain a proposal package which details format requirements at the District Office at 600 South Grand Central Parkway, Suite 300, Las Vegas, Nevada, 89106-4511. Proposals will be received up to the hour of 4:00 p.m., prevailing local time, on July 6, 2017. LATE SUBMITTALS WILL NOT BE ACCEPTED!

PROJECT DESCRIPTION

In 2010, the District, Clark County, and the cities of Henderson, Las Vegas and North Las Vegas (Permittees) were granted an NPDES stormwater quality permit by the State of Nevada for discharge to the municipal separate storm sewer system (MS4). The permit expires and is re-issued roughly every five years and establishes conditions designed to identify sources of pollution and promote the reduction of pollutants in stormwater discharges. The current permit expired on February 8, 2015 and was administratively extended by the Nevada Division of Environmental Protection (NDEP) until a new permit can be negotiated. Negotiations to develop a new permit are expected to begin in 2017.

Permit components generally include, but are not limited to, dry and wet weather sampling, laboratory analysis, development and assessment of best management practices, development of a public education program, illicit discharge identification, development of watershed characteristics relative to pollution sources and annual reporting. A copy of the latest NPDES annual report can be reviewed on the District's website at http://gustfront.ccrfcd.org/FileLibrary.aspx.

This project will involve three primary components: 1) assisting the District and the Permittees with the implementation and compliance with the existing permit until a new permit can be negotiated; 2) assisting the District and the Permittees with the negotiation of a new permit and associated update of the Stormwater Management Plan (SWMP); and 3) assisting the District and the Permittees with implementation and compliance with the new permit. The contract will have a duration of five years with an option to extend on an annual basis for an additional five years.

FORMAT REQUIREMENTS

Interested consulting firms are requested to submit six (6) copies of their proposal. The proposals will be received up to the hour of 4:00 p.m., prevailing local time, on July 6, 2017, at the District offices located at 600 South Grand Central Parkway, Suite 300, Las Vegas, Nevada, 89106-4511. Submittals must be clearly labeled "ATTENTION: Las Vegas Valley NPDES Compliance - Proposal to Provide Services". Please direct any questions you might have to John Tennert at (702) 685-0000.

To be considered for evaluation, proposals must follow the format prescribed below.

- Part 1. Cover letter (one page maximum)
- Part 2. Up to eight (8) single-sided pages (facing pages must be left blank) of standard typewritten text is allowed to describe what talents, skills, experience, expertise and equipment the consultant has to offer with respect to the NPDES program, environmental engineering, stormwater quality monitoring, laboratory analysis and technical report preparation. The discussion should include a summary of project understanding, proposed approach and descriptions of past performance in management, cost control, timely performance and thoroughness of work on similar projects.
- Part 3. Organizational chart
- Part 4. Resumes of key personnel
- Part 5. Statement of Qualifications (Forms Attached) will be reviewed for demonstration of experience with NPDES program experience, environmental engineering, stormwater quality monitoring and laboratory analysis.
- Part 6. Corporate brochures may be attached to the Proposal (Optional).

Proposals will be evaluated based on demonstration of the following:

- Understanding of the factors involved with providing consulting and laboratory services associated with compliance with the Las Vegas Valley NPDES permit.
- Ability to coordinate and schedule work with local, state and federal agencies.
- Experience of the firm and key personnel in NPDES programs and regulations,

environmental engineering, stormwater quality monitoring and laboratory analysis.

- Experience with the preparation of annual reports, stormwater management plans and related technical memoranda.
- Ability to staff project with experienced personnel and availability of staff for this project.
- Past technical and project management performance on similar projects.

Submittals <u>WILL</u> be disqualified from evaluation for the following reasons:

- Submittals received after 4:00 p.m., prevailing local time on July 6, 2017. THERE WILL BE NO EXCEPTIONS TO THIS DEADLINE.
- Failure to follow the format outlined above.

This Request for Proposals does not commit the District to pay any costs incurred in the submittal of your Proposal. This Request for Proposals does not commit the District to procure or contract respondent's services. The District reserves the right to reject any or all firms if deemed to be in the best interest of the District.

Steven C. Parrish, P.E.

General Manager/Chief Engineer
Clark County Regional Flood Control District

Tentative Schedule

May 25, 2017	RFP request to TAC (package to De by May 15)		
June 8, 2017	RFP request to Board		
June 8, 2017	Issue RFP		
Four Weeks			
July 6, 2017	Receive proposals		
Two weeks	Rank Proposals		
July 20, 2017	Select respondents for oral interview (short list) (Optional)		
Two weeks			
August 3, 2017	Hold Interviews (Optional)		
August 4, 2017	Notify selected consultant		
Two weeks			
August 21, 2017	Negotiate Contract		
August 31, 2017	Consultant Contract to TAC		
September 14, 2017	Consultant Contract to Board, NTP		

LAS VEGAS VALLEY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM DISCHARGE PERMIT

DRAFT SCOPE OF WORK

Task 1 - Dry Weather Monitoring

- a. Dry Weather Monitoring. Consultant will coordinate with the Southern Nevada Water Authority (SNWA) regarding dry weather monitoring. Sample collection, laboratory analysis and data interpretation will be performed by SNWA as part of the Urban Tributary Water Quality Monitoring Program. Consultant will integrate the results of the Urban Tributary Program with the requirements of the NPDES stormwater permit.
- b. Dry Weather Monitoring Report. Consultant will prepare a section for the Annual Report summarizing the findings of the dry weather characterization monitoring program. This report section will compare dry weather water quality data to that collected in previous years and will identify sources of dry weather flows to the extent possible. It will also document other dry weather flow monitoring activities in the Las Vegas Valley conducted by other agencies.

Task 2 - Wet Weather Monitoring

- a. Monitoring Plan. Consultant will prepare a wet weather monitoring plan annually, based on the latest Las Vegas Valley wet weather monitoring program and the results of the analyses from previous years. It is assumed that automated samplers at or near the existing sites will be used. The final plan will be submitted to the Nevada Division of Environmental Protection (NDEP) for approval.
- b. Stormwater Monitoring Equipment. Consultant, with cooperation from District staff, will inspect the District-owned automated sampling equipment on a routine basis and replace minor equipment elements (e.g., batteries, hoses, bottles) as necessary due to damage or vandalism. Monitoring stations will be relocated if necessary to accommodate construction in the channels.
- c. Sample Collection. Wet weather characterization monitoring activities will consist of collecting samples from various storms at 2 sites on the Las Vegas Wash. Additional samples may be collected at these two sites or at new sites if directed by the District and if budget is available. Activities in this task may include collecting and preparing flow-weighted composite samples from the automated samplers, as well as collecting manual grab samples for certain constituents (e.g., bacteria). Samples will be prepared properly and shipped to the laboratory(s) in accordance with the adopted Quality Assurance Program. Coordination with other agencies performing similar collection activities will be encouraged to minimize duplication of efforts and consistency among sampling results.
- d. Wet Weather Monitoring Report. Consultant will prepare a task report summarizing the results of the wet weather monitoring program. This will include an evaluation of the sampling results, and recommendations for modifications to the program in subsequent years. Results will be compared to those of previous years and those from other parts of the country and will be reported as a section of the Annual Report.

Task 3 - Annual and Quarterly Reporting

- a. Quarterly Reports. Consultant will assist in the preparation of quarterly reports for submission to the Stormwater Quality Management Committee (SQMC) summarizing progress made in permit compliance during the previous quarter.
- b. Draft Annual Report. Consultant will prepare a draft Annual Report, incorporating the individual task reports described above. This will meet the annual reporting requirements for the stormwater discharge permit and will include any proposed changes to the current stormwater management or monitoring plans.
- c. Final Annual Report. Consultant will incorporate comments on the Draft Annual Report from copermittees and other reviewers and prepare a Final Annual Report ready for submittal to NDEP.

Task 4 - Stormwater Quality Management Committee and Related Activities

- Meeting Organization. Consultant will assist in organizing SQMC meetings and other meetings as directed by the District. This may include preparation and distribution of agendas and meeting minutes.
- b. Permittee Assistance. Consultant will provide general assistance and consultation to the Permittees in meeting their obligations under the NPDES stormwater discharge permit and in dealing with general stormwater quality issues in the Las Vegas Valley.

Task 5 - Negotiation of New Permit and Update of the Stormwater Management Plan (SWMP)

- a. Consultant will assist the District and the Permittees in negotiating the new NPDES permit for the Las Vegas Valley with NDEP. Assistance may consist of supporting SQMC and other meetings and technical studies to support decisions related to potential permit provisions.
- b. Consultant will prepare any necessary updates to the SWMP as required by the negotiated permit. The SWMP provides a framework for overall compliance with the municipal stormwater permit and NPDES permit. Draft SWMP revisions will be developed in close coordination with the Permittees and other outside stakeholders.
- c. Consultant will complete ongoing technical studies required to support preparation of the SWMP, and conduct new studies and prepare technical reports if required. Results of technical studies will be summarized in technical memoranda.
- d. Consultant will prepare the following SWMP report deliverables:
 - i. Working Drafts for use by permittees
 - ii. Review Draft for submission to NDEP and local agencies
 - iii. Draft for review by stakeholders and elected officials
 - iv. Final Draft for submission to NDEP and the Permittees

e. Consultant will assist the Permittees in obtaining input on draft versions of the SWMP from other local agencies, the general public, and other interested stakeholders. Local agencies may include the SNWA, Southern Nevada Health District, Southern Nevada Homebuilders Association, and others.

Task 6 - Implementation of Existing Stormwater Management Plan

Consultant will conduct specific activities required by the August 2011 Storm Water Management Plan and permit as described below:

- Legal authority. Assist permittees in addressing deficiencies in legal authority to implement all aspects of applicable stormwater ordinances and regulations. Research ordinances adopted by other municipalities to address applicable stormwater issues.
- ii. Stormwater System Maps. Update stormwater system map based on construction of new facilities and new development.
- iii. Monitoring Program. Review and analyze new data collected under Tasks 1 and 2. Update the monitoring program (sampling locations, frequency, methods, constituents) for wet and dry weather water quality characterization and other monitoring activities to support BMP evaluations or target problem issues as necessary.
- iv. Public outreach and education. Provide general support to public outreach and education activities conducted by the District and the Permittees and provide input to and review of public outreach and education materials such as videos, brochures, flyer, website material, etc.
- v. Structural and source control measures. Work with the Permittees to implement standardized tracking/reporting procedures for street sweeping and maintenance of catch basins, inlets, storm drains and channels, participate in workgroup meetings as necessary and perform studies and designs as directed.
- vi. Illicit discharge detection and elimination program. Consultant will assist Permittees as requested to train municipal maintenance staffs to identify and report potential stormwater quality problems in the field during their normal work activities as needed. As requested, Consultant may also assist Permittees in conducting semi-annual inspections of channels and detention basins and assemble and summarize semi-annual inspections reports prepared by the Permittees.
- vii. Industrial facility monitoring and control program. Consultant will provide an updated map and database of industrial facilities covered by the NPDES permit, including municipal landfills; hazardous waste treatment, disposal and recovery facilities; SARA Section 313, Title III facilities; and industrial facilities that the Permittees have determined could contribute substantial pollutant loads to the MS4 system as identified by the Permittees. Consultant will also assist Permittees in developing materials for training programs, developing criteria used to identify industrial sites that could contribute a substantial pollutant load to the MS4, summarize potential industrial site problem areas and report on industrial site inspection activities conducted by the Permittees.

- viii. Construction site BMP program. Consultant will report on construction site inspection activities (reports, database) conducted by the Permittees, assist with the preparation of contractor education and training materials and assist the Permittees in implementing an ongoing contractor training program.
- ix. New Development and Significant Redevelopment Analysis and Pollutant Tracking. Consultant will prepare a GIS analysis depicting areas of new development and significant redevelopment for inclusion in the Annual Report. Consultant will also track new development compared to the water quality capture volume (WQCV) obtained from the water quality features in new and modified detention basins in the Las Vegas Valley pursuant to Technical Memorandum IV.16 Strategic Plan for the Use of Regional Detention Basins for Water Quality Management.
- x. General services. Consultant will perform any other research or studies as directed by the District to support implementation of the SWMP activities.



FLOOD CONTROL STATEMENT OF QUALIFICATIONS

Regional Flood Control District 600 S. Grand Central Parkway, Suite 300 Las Vegas, NV 89106-4511 (702) 685-0000

			Date//
Fire	n's Name:		
1.	Local Office Information		
	Address:		
	Telephone Number: ()		
	Number of Employees who are Clark C	County Residents:	-
2.	Corporate Office Information		
	Address:		(5) Mass
	Year Firm Established:		
	Number of Employees:		
3.	List locations of other offices (no more		No. of
	Address	Telephone	Personnel
	a		
	b		
	c		
	d		
	e		
4.	Office where the majority of this work w	vill be performed:	
	Onios vincio die majority of this work w	iii de periorited.	
			4
5.	Principals (2):		
	Name	Title	Telephone Number
		-	

Name	e in direct responsible supervis	NV Registi	ration Telephone Number
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7. Errors and	d omissions insurance		
If no insur			
3. Number of			on in the last five years as indicated:
, manipol o	, projecto year iiiii la carreita	Current/Active	Last 5 Years
Public/Gov	vernment		
Commerci	ial		
Residentia	al	·	
Other		<u></u>	
Project N	lama	Lond Cotton	Consultant
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	vame		\$
	varne	TOTAL	\$\$ \$

10. List all professional engineers envisioned to participate in the performance of the work. If consultant team has been formed, note firm name.

		Nevada Registration	Local	With	Clark County Resident	Percent of Time Available for This	
Name	Title	Number	Office	Firm	Y/N	Project	Comments
		-					
	-						
	-	-					
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11. List all technical staff envisioned to participate in the performance of the work. If consultant team has been formed, note firm name.

	Nevada Registration	Registration	Registration	Registration	Local		Clark County Resident	Percent of Time Available for This	
Title	Number	Office	Firm	Y/N	Project	Comments			
						<u> </u>			
	Title	Registration	Registration Local	Registration Local	Registration Local Resident	Registration Local Resident Available for This			

Firm Name/Address	Contact Person	Telephone Number	Firm's Area of Expertise
	1-21-21-		
			40 202

13. List firm's experience for up to last ten years in stormwater quality management and planning, technical studies and the use of GIS and/or related automated mapping/database tools to assist in stormwater management:

Project Name	Project Description: 1. List location and owner of project 2. List any special features or function of project 3. List name of engineer in charge of project	Describe Services Rendered	Total Fees Earned	Total Project Costs

14. List any other experience from consultant team (not included in question 13) for up to last ten years in stormwater quality management and planning, technical studies and the use of GIS and/or related automated mapping/database tools to assist in stormwater management:

Project Name	Project Description: 1. List location and owner of project 2. List any special features or function of project 3. List name of engineer in charge of project	Describe Services Rendered	Total Total Fees Project Earned Costs
		:	

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

RESOLUTION NO. 17-4 OTHER POST-EMPLOYMENT BENEFITS

RECOMMENDATION SUMMARY

STAFF:

Approve, adopt and authorize the Chairman to sign Resolution No. 17-4 for the purpose of establishing Board committed fund balance for other Post-Employment benefits.

TECHNICAL ADVISORY:

The Technical Advisory Committee did not hear this item.

CITIZENS ADVISORY:

The Citizens Advisory Committee did not hear this item.

RFCD AGENDA ITEM #15 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

RESOLUTION NO. 17-4, OTHER POST-EMPLOYMENT BENEFITS

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

ACTION TO APPROVE, ADOPT, AND AUTHORIZE THE CHAIRMAN TO SIGN RESOLUTION NO. 17-4 FOR THE PURPOSE OF ESTABLISHING BOARD COMMITTED FUND BALANCE FOR OTHER POST-EMPLOYMENT BENEFITS (FOR POSSIBLE ACTION)

FISCAL IMPACT: None.

BACKGROUND:

The Clark County Regional Flood Control District (the "District") has provided funds which has been administered by Clark County for other post-employment benefits ("OPEB") for District employees. Clark County has requested that the District administer their own fund for OPEB.

The District pays approximately 90 percent of premiums for active employee coverage. Retirees in the Self-Funded Plan receive no direct subsidy from the District. The difference between the true claims cost and the blended premium is an implicit rate subsidy that creates an OPEB cost for the District.

Clark County issued the District a check in the amount of \$1,119,458.53, which was deposited in the District's Operating Fund – Fund 2860. The District's Financial Statements for fiscal year ending June 30, 2016 reflect these OPEB funds as assigned.

To address the implications of Governmental Accounting Standards Board ("GASB") Statement Number 54 ("GASB 54"), Fund Balance Reporting and Governmental Fund Definitions, which establishes a hierarchy clarifying the constraints that govern how a government entity can use amounts reported as fund balance, the District is recommending that funds previously set aside for OPEB in the amount of \$1,119,458.53 along with additional funds for the fiscal year ending 2017, in the aggregate amount not to exceed \$1,319,458.53 are hereby established as a committed fund balance of Fund 2860, for the sole purpose of OPEB use. This committed amount cannot be used for any other purpose unless the Clark County Regional Flood Control District Board of Directors (the "Board") removes or changes the specific use through the same type of formal action taken to establish the commitment.

Respectfully submitted,

Steven C. Parrish, P.E.

General Manager/Chief Engineer

RFCD AGENDA ITEM #15

Date: 06/08/17

060817 OPEB-item

RESOLUTION NO. 17-4 CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT ESTABLISHING BOARD COMMITTED FUND BALANCE FOR OTHER POST-EMPLOYMENT BENEFITS (OPEB)

WHEREAS, the Clark County Regional Flood Control District (the "District") has provided funds which has been administered by Clark County for other post-employment benefits ("OPEB") for District employees; and

WHEREAS, Clark County has administrated the funds in the past, but now has requested that the District administer their own fund for OPEB; and

WHEREAS, Governmental Accounting Standards Board ("GASB") GASB has also adopted Statement Number 54 ("GASB 54"), Fund Balance Reporting and Governmental Fund Type Definitions, that became effective in governmental fiscal year ending 2011 which establishes a hierarchy clarifying the constraints that govern how a government entity can use amounts reported as fund balance; and

WHEREAS, the District desires to commit the funds to only be used for the purpose of OPEB within the District's Operating Fund – Fund 2860.

NOW, THEREFORE, BE IT RESOLVED by the Clark County Regional Flood Control District Board of Directors (the "Board") that funds previously set aside for OPEB in the amount of \$1,119,458.53 along with additional funds for the fiscal year ending 2017, in the aggregate amount not to exceed \$1,319,458.53 are hereby established as committed to Fund 2860.

BE IT FURTHER RESOLVED, that said funds are committed for the sole purpose of OPEB use. This committed amount cannot be used for any other purpose unless the Board removes or changes the specific use through the same type of formal action taken to establish the commitment.

PASSED, ADOPTED, AND APPROVED THIS _	DAY OF	_2017.
Clark County Regional Flood Control District Board of Directors		
Lawrence L. Brown, III, Chairman		
	Attest:	
	Deanna Hughes, Board Secreta	ırv

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

UNIVERSITY OF NEVADA, LAS VEGAS COST REIMBURSEMENT RESEARCH PROJECT CONSULTANT AGREEMENT

RECOMMENDATION SUMMARY

STAFF:

Approve and authorize the General Manager to sign the

consultant contract.

TECHNICAL ADVISORY:

Approve.

CITIZENS ADVISORY:

Approve.

RFCD AGENDA ITEM #16 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

UNIVERSITY OF NEVADA, LAS VEGAS COST REIMBURSEMENT RESEARCH PROJECT CONSULTANT CONTRACT

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

THAT THE BOARD APPROVE AND AUTHORIZE THE GENERAL MANAGER TO SIGN THE CONSULTANT CONTRACT WITH THE UNIVERSITY OF NEVADA, LAS VEGAS (UNLV) TO CONDUCT A RESEARCH PROJECT TO INVESTIGATE IMPACTS OF LATERAL FLOWS TO MAIN LINE CHANNEL FACILITIES THROUGHOUT CLARK COUNTY (FOR POSSIBLE ACTION)

FISCAL IMPACT: \$244,000

BACKGROUND:

The Regional Flood Control District's (District) current practice requires tributaries to the District's flood control channels to enter at small angles to avoid disrupting flow in the main channel and impacting channel capacity. These small angles are costly to construct and their value is questionable.

The District has negotiated a Consultant Contract with the UNLV to conduct a research project to investigate impacts of lateral flows to main line channel facilities throughout Clark County for multiple flow ratios and entry angles. The research period covered in the Contract is June 1, 2017 through May 31, 2018. The District intends to use the research obtained to update the Hydrologic Criteria and Drainage Design Manual (HCDDM), which is available for public use.

RFCD AGENDA
ITEM #16
Date: 06/08/17

CAC AGENDA ITEM #08 Date: 05/25/17 The Fiscal Year 2016-17 budget includes sufficient appropriations for this contract. The District Attorney has reviewed the Contract.

Respectfully submitted,

James ()

General Manager/Chief Engineer

TAC AGENDA ITEM #08

Date: 05/25/17

CAC AGENDA ITEM #08

Date: 05/25/17

RFCD AGENDA

ITEM #16

Date: 06/08/17

060817 UNLV Lateral Confluence Research Project-item

UNIVERSITY OF NEVADA, LAS VEGAS Cost Reimbursement Research Agreement

This AGREEMENT is made effective as of May ___, 2017 by and between the Board of Regents, Nevada System of Higher Education on behalf of the University of Nevada, Las Vegas, having its principal offices at 4505 Maryland Parkway, Las Vegas, Nevada, 89154-1055 (hereinafter known as "UNLV") and Clark County Regional Flood Control District, having an office at 600 South Grand Central Parkway, Suite 300, Las Vegas, Nevada, 89106 (hereinafter known as "SPONSOR").

WHEREAS, UNLV possess the expertise to conduct research projects including studies which will investigate impacts of lateral flows to main line channel facilities throughout Clark County for multiple flow ratios and entry angles herein referred to as Project or Research;

WHEREAS, the research program contemplated by this Agreement is of mutual interest and benefit to UNLV and SPONSOR, will further the University's instructional and research objectives in a manner consistent with its status as a non-profit, tax-exempt, educational institution, and may produce benefits for both UNLV and SPONSOR:

WHEREAS, the SPONSOR intends to use the research obtained by the PROJECT to update its Hydrologic Criteria and Drainage Design Manual which is disseminated for public use;

WHEREAS, based on the results of the investigation, UNLV will propose modifications as necessary to the existing criteria for design of lateral connections to mainline channel facilities;

WHEREAS, SPONSOR desires to have UNLV perform the Project;

NOW THEREFORE, in consideration of the premises and mutual covenants contained herein, the parties agree as follows:

I. STATEMENT OF WORK

UNLV shall use reasonable efforts to furnish the necessary personnel, materials, services, facilities, and equipment to perform the research program as described in proposal entitled "Design of Lateral Confluences of Flood Control Channels, Attachment A (the "Research"), which is attached hereto and made a part hereof for all purposes.

II. PERIOD OF PERFORMANCE

The Research shall be conducted during the period commencing June 1, 2017 and ending May 31, 2018 (the "Completion Date"). The individual tasks identified in Attachment A must be completed within the time period specified in Attachment A. The Completion Date may be modified or extended only by mutual written agreement of the Parties.

III. ALLOWABLE COSTS AND PAYMENT

SPONSOR agrees to subject to the monetary limitation set forth herein reimburse UNLV for the actual direct and indirect costs incurred by UNLV in the performance of the Research. Total reimbursement shall not exceed the total project cost of \$244,000 as identified in Attachment A without written authorization from the SPONSOR.

UNLV will render its invoices no more frequently than monthly to the SPONSORS Contractual/Financial POC in Article IV. Each invoice will include a detailed itemized statement of direct and indirect cost components. SPONSOR will pay for all work satisfactorily performed within 45 calendar days of receipt of invoice.

Payments should be made payable to the University of Nevada, Las Vegas. Make reference to the Principal Investigator and the Title of the Research Program funded under this AGREEMENT, and submit payment to the following address:

Office of Sponsored Programs University of Nevada, Las Vegas 4505 Maryland Parkway, Box 451055 Las Vegas, NV 89154-1055

After 30 calendar day written notification to the SPONSOR, UNLV reserves the right to discontinue the Project if SPONSOR fails to pay any UNLV invoice for satisfactorily performed work within the time specified.

IV. KEY PERSONNEL

SPONSOR:

Technical Point of Contact

Name: Steve Parrish

Address: 600 S. Grand Central Pkwy, Suite 300

Las Vegas, Nevada 89106

Phone: 702-685-0000

E-mail: sparrish@regionalflood.org

UNLV:

Technical Point of Contact/PI

Name: Moses Karakouzian

Address: 4505 Maryland Parkway

Las Vegas, NV 89154-4015

Phone: 702.895.0959

E-mail: mkar@unlv.nevada.edu

Contractual/Financial Point of Contact (POC)

Name: Jeanine Dilworth

Address: 600 S. Grand Central Pkwy, Suite 300

Las Vegas, Nevada 89106

Phone: 702-685-0000

E-mail: jdilworth@regionalflood.org

Contractual/Financial Point of Contact (POC)

Name: R. David Paul

Address: 4505 Maryland Parkway

Las Vegas, NV 89154-1055

Phone: 702.895.1357 E-mail:

osp@unlv.edu

V. PUBLICITY

Nothing contained herein shall be construed as granting Sponsor any right or license to use the marks "UNLV," "University of Nevada, Las Vegas," "Nevada System of Higher Education," "NSHE" or any other trademark, trade name, service mark or symbol owned by UNLV (the "Marks") without UNLV's prior, written consent.

VI. CONFIDENTIAL INFORMATION

The Parties may wish, from time to time, in connection with the Research contemplated under this Agreement, to disclose Confidential Information to each other.

"Confidential Information" is defined as a Party's business or technology (including, without limitation, computer programs in source and/or object code, technical drawings, algorithms, know-how, prototypes, models, samples, formulas, processes, ideas, inventions (whether patentable or not), discoveries, methods, and other technical, business, financial, customer, marketing and product development plans, forecasts, strategies and techniques).

Each party will use reasonable efforts to prevent the disclosure of any of the other party's Confidential Information to third parties for a period of one (1) year from expiration or termination of this Contract, provided that the recipient party's obligation hereunder shall not apply to Information that:

- is not disclosed in writing or reduced to writing and so marked with an appropriate confidentiality legend within thirty (30) days of disclosure (or if disclosed orally, is not identified at the time of oral disclosure and subsequently reduced to writing and so marked with an appropriate confidentiality legend within thirty (30) days of oral disclosure);
- ii. is already in the recipient party's possession at the time of disclosure thereof;
- iii. is or later becomes part of the public domain through no fault of the recipient party;
- iv. is received from a third party having no obligations of confidentiality to the disclosing party;
- v. is independently developed by the recipient party; or
- vi. is required by law or regulation to be disclosed.

In the event that information is required to be disclosed pursuant to subsection (6), the party required to make disclosure shall notify the other to allow that party to assert whatever exclusions or exemptions may be available to it under such law or regulation.

Notwithstanding the above, confidential information does not include information, records and/or documents that must be disclosed and/or produced pursuant to the Nevada Revised Statutes or court order.

VII. PUBLICATION, ACADEMIC RIGHTS, PATENT AND DATA RIGHTS

The basic objective of research activities at UNLV is the generation of new knowledge and its expeditious dissemination for the public's benefit. SPONSOR will provide all reasonable cooperation with UNLV in meeting this objective. UNLV will be free to publish the results of the Research after providing the SPONSOR with a thirty (30) day period in which to review each publication to identify patentable subject matter and to identify any inadvertent disclosure of Confidential Information, if any. UNLV shall have final authority to

determine the scope and content of any publications, except for its obligation not to disclose Sponsor's Confidential Information and patentable subject matter.

VIII. INTELLECTUAL PROPERTY

Title to all intellectual property including, without limitation, any inventions, improvements and discoveries conceived including, all computer software, works, material and data conceived in the course of performance of the Research, whether or not protectable by patent, trade secret or copyright developed by one or more Staff Members, ("UNLV Intellectual Property") shall reside in UNLV.

Title to all intellectual property including, without limitation, any inventions, improvements and discoveries conceived including, all computer software, works, material and data conceived in the course of performance of the Research, whether or not protectable by patent, trade secret or copyright developed by one or more employees of SPONSOR ("SPONSOR Intellectual Property"), shall reside in SPONSOR.

Title to all intellectual property including, without limitation, any inventions, improvements and discoveries conceived including, all computer software, works, material and data conceived in the course of performance of the Research, whether or not protectable by patent, trade secret or copyright developed by UNLV together with SPONSOR ("Joint Intellectual Property") shall reside jointly with UNLV and SPONSOR.

UNLV reserves for itself a royalty-free, irrevocable license to make and use UNLV Intellectual Property or Joint Intellectual Property developed under this AGREEMENT for its own internal research and educational purposes. SPONSOR is granted world-wide, non-exclusive, royalty free license to use UNLV Intellectual Property and Joint Intellectual Property developed under this AGREEMENT.

Nothing in this AGREEMENT grants to either Party any rights or interest in the other Party's Background Intellectual Property. "Background Intellectual Property" means (1) all works of authorship created outside the scope of this AGREEMENT and (2) potentially patentable discoveries, including pending patent applications and issued patents, conceived or first reduced to practice outside the scope of this AGREEMENT.

UNLV acknowledges and agrees that the SPONSOR may use the information developed and obtained from the PROJECT to update its Hydrologic Criteria and Drainage Design Manual, which along with other purposes, establishes criteria for the design of infrastructure and improvement for drainage throughout Clark County.

IX. REPRESENTATIONS AND WARRANTIES

UNLV DISCLAIMS ANY WARRANTY OF MERCHANTABILITY, USE OR FITNESS FOR A PARTICULAR PURPOSE OF THE RESEARCH RESULTS PROVIDED BY UNLV.

X. TERMINATION

a) Either Party may terminate this AGREEMENT for any reason upon ten (10) days written notice to the other Party. In the event of a termination for convenience by SPONSOR, then SPONSOR shall pay UNLV for all costs

incurred through the date of termination, including non-cancelable obligations, even though the obligations may extend beyond the termination date. Such reimbursement shall not exceed the total cost specified in Article III. UNLV agrees not to incur any additional costs or fees after the date of the termination notice without prior written permission of the SPONSOR. Termination will not affect the Parties' rights and obligations accrued prior to the termination for convenience, except as provided in Sections b and c

- b) In the event UNLV, through its College of Engineering, does not have the proper equipment as specified in the proposal operational in time to avoid delays beyond May 31, 2018, UNLV shall promptly notify SPONSOR and provide an estimate of impact on project completion. Nonoperational equipment is grounds for termination under section X (b) of this AGREEMENT. If this AGREEMENT is terminated pursuant to this clause, then each party shall bear its own costs and expenses and any funds paid to UNLV by SPONSOR shall be refunded within 60 calendar days of notice of termination, except that SPONSOR shall only pay for costs and expenses associated with Task 1 identified in Attachment A.
- c) Should it be discovered during the literature review phase (Task 1 in Attachment A) that the analysis requested has already been completed by another, UNLV shall promptly notify SPONSOR and provide notice of termination and SPONSOR shall only pay for costs and expenses associated with Task 1 identified in Attachment A.

XI. INDEPENDENT CONTRACTOR

UNLV and SPONSOR shall remain independent contractors and nothing herein shall be construed to create a partnership, agency or joint venture between the parties. Each party shall be responsible for wages, hours and conditions of employment of its personnel during the term of and under this AGREEMENT.

XII. APPLICABLE LAW

This AGREEMENT shall be construed and performance hereunder shall be determined according to the Laws of the State of Nevada.

XIII. AUDIT OF RECORDS

UNLV agrees to comply with the requirements of the Uniform Guidance 2 CFR 200. Notwithstanding any other conditions of this AGREEMENT, the books and records of UNLV which pertain to this AGREEMENT will be made available upon reasonable request for audit by authorized personnel. The records will be retained for a period of three (3) years following final payment.

XIV. INSPECTION

SPONSOR, through its authorized representative, has the right at all reasonable times to inspect or otherwise evaluate the work performed or being performed by UNLV. It is understood and agreed that SPONSOR's representative has no authority to supervise, direct or control and that in all respects the carrying out of the work shall be under UNLV's supervision and control and in accordance with UNLV's established policies governing the conduct of research, including use of UNLV facilities.

XV. FORCE MAJEURE

Each Party will be excused from performance of the AGREEMENT only to the extent that performance is prevented by conditions beyond the reasonable control of the affected Party. The Party claiming excuse for delayed performance will promptly notify the other Party and will resume its performance as soon as performance is possible.

XVI. RESOLUTION OF DISPUTES

The parties will enter into good faith negotiations to resolve any disputes arising from this AGREEMENT. Resolution will be confirmed by written amendment to this AGREEMENT. If the Parties cannot resolve any dispute amicably through negotiation, either Party may terminate this AGREEMENT in accordance with Article X.

XVII. ENTIRE AGREEMENT AND CHANGES

This AGREEMENT sets forth the entire agreement and understanding between UNLV and SPONSOR as to the subject matter thereof and merges all prior discussions between them; and neither party shall be bound by any conditions, definitions, warranties, understandings or representations with respect to such subject matter other than is expressly provided herein. This AGREEMENT may not be modified or altered except in writing by an instrument duly executed by authorized officers of both parties. Provided, however, that no provision appearing in any standard form document originated by SPONSOR, including but not limited to any purchase order or confirmation order, shall be applicable, even if signed by both parties, unless the parties also execute a separate instrument expressly modifying this AGREEMENT.

XVIII. SURVIVAL

The Board of Regents

All terms set forth in Article VI, Article VIII, Article X and Article XIII of this AGREEMENT that are intended to survive termination or expiration in order to be effective shall survive such termination or expiration.

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be duly executed by their duly authorized officers the day and year set forth below.

SPONSOR

Nevada System of Higher Education On Behalf of	Clark County Regional Flood Control District 600 South Grand Central Parkway, Suite 300
The University of Nevada, Las Vegas	Las Vegas, Nevada 89106
By: & David Paul	Ву:
Name: R. David Paul	Name: Steven C. Parrish
Title: Executive Director,	Title: General Manager/Chief Engineer
Office of Sponsored Programs Date: 4//3//7	Date:



Howard R. Hughes College of Engineering

Design of Lateral Confluences of Flood Control Channels

Technical Point of Contact: Dr. Moses Karakouzian

Presented to:

Clark County Flood Control District

April 13, 2017

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Design of Lateral Confluences of Flood Control Channels

I. BACKGROUND AND OBJECTIVES

Current practice requires tributaries to CCRFCD flood control channels to enter at small angles to avoid disrupting flow in the main channel and impacting channel capacity. These small angles are costly to construct and their value is questionable, especially when tributary flow is small compared to the main channel capacity. This is often the case, especially for smaller tributaries and conduits.

This study will evaluate the impact of tributary discharges into open channels across a range of flows, velocities, and entrance angles. The results will be used to evaluate existing design criteria and refine them to the extent possible.

II. PRIOR STUDIES

Efforts to investigate the impact of junction in open channels date back to 1936, in which Ippen and Knapp tried to find a relation for super-critical flow in open channels [1]. In 1938, a two-dimensional equation was presented by Von Karman to govern the flow [2]. It was 1944 when Taylor demonstrated an equation relating the depth of junction to upstream and downstream of a junction and used some experiments to verify his equation for a 45-degree junction [3]. Super-critical flow in a channel junction was analyzed by Bowers (1950) [4]. Ippen and Dawson as well as Rouse presented their studies about designing channels in 1951 [5]. Further analysis regarding the angle between channels was carried out by Schnitter et al. in 1955 [2]. In 1966 Behlke and Pritchett studies involved analyzing super-critical flow in junctions with three different angles, 15 degrees, 30 degrees and 45 degrees [6].

More studies were carried out recently with different assumptions and angle deviations. In 1989 W. Hagger published results of his studies in the Journal of Hydraulic Engineering, which includes theoretical and experimental investigation of the flow in junctions with 22.5 degrees and 45 degrees. He selected rectangular channels with equal branch width for his investigation and concluded his results with a couple of formulas to predict the depth of flow at junction [2]. Studies by G. Christodoulou (1993) involved formation of a hydraulic jump at a super-critical flow at junctions with 90-degree and 17-degree angles and with different Froude numbers [7]. In another effort, W. Hagger (1989) summarized that in order to have transitional flow at junctions for



rectangular channels with equal widths; the lateral discharge must be more than 15 percent of the total discharge [8].

Specially, this last investigation carried out by Hagger illustrates a good relation for flow discharge upstream and downstream in different angles of junction and Froude numbers. The experiment was carried out in a rectangular channel with 0.5 m (1.64 ft.) width. Main and lateral branch were 0.096 m (0.315 ft.) and with three different confluence angles (22.5 degrees, 45 degrees and 90 degrees). In his experiment he recorded depth and velocity of flow alongside the channel walls and demonstrated the results in two dimensional plots. The results show an increase in velocity near the outer wall for both upstream and downstream while the velocity vectors remained parallel. In contrast, for the inner wall, the velocity decreased significantly and the directions of vectors of velocity changed.

M. Schwalt and H. Hager (1995) conducted an experiment to illustrate the wave behavior in three different locations at a junction which were as follows: location C demonstrating junction wave located at the rare end of junction followed by location B and D at downstream. The origin of the supercritical flow is the point at which two branches join together. Based on their observation, wave B was irrelevant to the junction angle and presented the highest wave, while wave C and D were relevant to the junction angle. They indicate that for junctions with angles between zero (parallel branches) to 15 degrees (described as weak angle), wall waves may occur, thus it is important to take the separation zone into account. While for junctions with angles between 15 degrees and 40 degrees (described as strong junction angle), divided impact wave creates a backflow into the upstream branch which results in a highly disturbed wave shape. For junctions with a 90-degree angle, a local hydraulic jump was observed and therefore they recommend the junction angle be limited to 40 degrees. They also indicated that backflow will occur in junctions which the flow in one branch is weaker to create a supercritical flow downstream [9].

A. S. Ramamurthy and L. B. Carballada (1988) conducted an experiment with rectangular open channels with equal width and 90-degree junction. They summarized that the pressure on the walls of channel branches can be used to estimate the amount of momentum caused from branch channel. They also emphasized the importance of the depth of water upstream of the junction in designing open channel networks [10]. W. H. Hager and C. Gisonni (2005) experimented on sewer manholes with 45-degree and 90-degree junctions and demonstrated that any change in hydraulic or



geometric parameters such as change in cross section or the direction of the lateral branch as well as increased water discharge will result in supercritical flow in the manhole. In order to prevent any complicated and dangerous flow creation, both upstream and downstream should be designed in a way so as to maintain supercritical flow [11].

U.S. Army Engineer Los Angeles District (1975) reported that minimal junction angle and the length of the downstream transition wall are two major parameters that should be taken into account in designing confluence structure. They carried out several experiments on open channels with various junction angles and recommended the junction angle be limited to 12 degrees [12]. This recommendation for limiting the angle of the junction is repeated in a U.S Army Corps of Engineers report in 2006 [13]. G. Kesserwani, J. Vazquez and N. Rivere (2010) presented a new method for calculating and predicting the ratio of discharge at side outflow to the main channel flow [14]. S. Shabayek and P. Steffler (1999) presented a one-dimensional theoretical model to predict subcritical flows in open channel junctions. They used a shear coefficient to evaluate the shear force in a separation zone and noticed this coefficient is mainly related to the angle of the junction [15].

Z. Ting and X. Wei-lin (2009) presented a 3-D model to evaluate flow at 90-degree junction channels with equal width and then carried out experiments to validate their results [16]. Experiments conducted by J. L. Best and I. Reid (1984) on open channels with five different junction angles (15 degrees, 30 degrees, 45 degrees, 70 degrees and 90 degrees) illustrated that low-angle junctions will decrease the probability of damage during flood time [17]. J. D. Riley, B. L. Rhoads team (2014) indicated that junction angle is a dominant factor in predicting flow deflection degree in junction of meander bends [18]. M. M. L. Pinto Coelho (2015) conducted several experiments to evaluate the level of water at open channel junction with 30-degree and 60-degree angles under different flow conditions and determined the maximum depth of water at confluence compared to the critical depth at downstream [19].

Based on laboratory experiments carried out by C. E. Behlke and H. D. Pritchett (1966) in a designed channel junction, zero flow in one channel has the capability to highly pileup waves in the other channel due to the Froude number for side channel with zero flow condition. In order to minimize this wave pileup and its effect to side walls, keeping the junction angle between two channels to a relatively small angle is recommended [6]. Another study carried out by R. L.



Stockstill (2007) investigated the influence of the flow from a lateral channel to a high-velocity main channel. This experiment demonstrated that a lateral channel with 90-degree junction angle can produce a choked flow in a main channel while wave height increase is lower for channels with a smaller junction angle. This increase in wave depth neutralizes in a distance more than 10 times the channel width at downstream [20]. He also modeled junctions with three different angles, 30 degrees, 60 degrees and 90 degrees and indicated that increase in junction angle results in increase in peak wave height [21]. P. Biron, J. L. Best and A. G. Roy (1996) conducted several investigations on a junction with a 30-degree angle and indicated that any disorder in the bed will destroy the flow and the flow distorts from the deeper channel towards the shallower channel in the junction [22].

S. G. Kumar (1993) studied transition flow in junctions and presented an equation for calculating transitional flow depth at the junction [23]. Y. Nedelec and B. Gay (2008) carried out experimental studies to evaluate the junction created between a pipe and an open channel and summarized that in case of a combination of high flow in the pipe and high-channel discharge capacity, the outlet flow would have a non-negligible influence on tail water at upstream [24]. A. R. Ramamurthy, D. M. Tran and L. B. Carballada (1994) worked on hydraulic resistance in the junction caused by combining two flows and presented equations to estimate the depth of water at the stagnation zone in the junction upstream corner. They concluded that it is necessary to design the junction in a way to limit the magnitude of the blockage and conserve the hydraulic energy of the flow [25]. S. Creelle, T. Mulder and their team (2014) presented the effects of bed friction at the junction area on features of the flow in open channels [26].

An investigation carried out by B. L. Rhoads and A. N. Sukhodolov (2008) illustrated that strong lateral momentum creates a progressive acceleration in downstream velocity [27]. W. Xiekang and W. Xianye (2007) studied the behavior of flow at a junction with a 30-degree angle and indicated that due to a lateral flow tributary a backwater was created in the upstream. They illustrated creation of a separation zone beside an inner wall, immediately after a junction that leads to a high-speed zone in the middle of the channel beside a separation zone and a low-speed zone close to the outer wall [28]. S. K. Gurram, K. S. Karki and W. H. Hager (1997) investigated and analyzed the subcritical flow condition at junctions with three different angles: 30 degrees, 60 degrees and 90 degrees and indicated that the flow behavior at junction is related to the ratio of the lateral flow



to the total flow, the amount of angle in junction and the Froude number at tailwater. They also created photographic documents demonstrating the influence of the lateral flow on main flow. While for junction with a 30-degree angle, this influence is low, in junction with a 90-degree angle the lateral flow has a non-negligible effect on the opposite side wall [29]. L. J. Weber and N. Mawer (2001) worked on a 3D model to investigate the flow behavior in an open channel with a 90-degree junction and indicated that any increase in discharge from branch channel would increase the length of the separation zone. Any decrease in the junction angle will diminish the lateral momentum and consequently create a narrower separation zone near bed depths [30].

In this literature review theoretical and experimental investigations were examined from 30 different documents. In conclusion, any junction in a channel should be considered as a point which will disturb the water's natural wave. This wave disturbance and increase in wave height is higher close to the outer wall of the main channel. Conversely, it has a direct relation with the angle of the junction and the higher the angle junction the more wave disturbance in the main channel. This has led several agencies (e.g., U.S Army Corps of Engineers) to suggest limiting this angle to 12 degrees.

III. PROPOSED TASKS

A. Literature Review

An abbreviated search for similar studies was completed to support the development of this proposal and summarized above. This review identified multiple prior studies of channel and tributary confluences, but none for supercritical main channel flow conditions with tributary contributions of 10% or less of the main channel flow. A comprehensive literature review will be completed as the first task to ensure the research is not duplicative of existing work. This literature review will be summarized in a report to CCRFD.

B. Summarize System Data

The range of channel confluences and inlets within the CCRFCD system will be summarized to inform laboratory testing. This is expected to consist primarily of obtaining system information from CCRFCD and summarizing the components of interest (inlets and confluences). Our understanding is that this data is readily available and should require little effort.



C. Experimental Design/Similitude Analysis

The laboratory setup will mimic the inlets and confluences! of interest at the range of flows and channel conditions that might be experienced. Reynolds and Froude numbers must be matched, but the channel and inlet sizes need to be hydraulically proportional as well. Similitude analysis will be used to scale actual pipe sizes, channel widths and flow rates so that the laboratory system is representative of CCRFD confluences of interest.

D. Develop Testing Matrix

A robust testing matrix will be required to fully realize the objectives of this research. The table below illustrates a potential testing matrix. It shows testing at a range of inlet angles, from 15 degrees to 90 degrees at evenly spaced intervals. It also shows flow proportions from a minor tributary input (10:1) to equivalent flows from the main channel and the tributary (1:1). The proposed matrix represents 30 distinct tests, although flume setup, test preparation, instrument calibration, and flume modifications will likely result in an additional 20 to 30 runs. The test matrix will be repeated for several flume widths. With duplicate runs for QA/QC purposes, it is anticipated that more than 100 runs will be completed.

While the general ranges of both parameters are likely to be respected, the actual divisions and selected values may change. For example, if testing at a 30-degree inlet angle shows little to no impact, those runs will be reallocated to an angle that provides more useful data. The actual test matrix will be continuously adapted during the research as the needs for satisfying the research objectives are refined.

¹ There is no exact definition of when an inlet becomes a confluence, so the terms are used interchangeably here.



	Flow Proportion (Main:Tributary)							
Inlet Angle	25:1	20:1	15:1	10:1	5:1			
15	х	х	х	х	х			
30	х	х	х	х	х			
45	х	х	х	х	х			
60	х	х	х	х	х			
75	х	х	х	х	х			
90	х	х	х	х	х			

E. Flume Modifications

It will be necessary to obtain supercritical flows in the flume to mimic potential flood flows in CCRFCD channels. This may require the flume to be narrowed or additional pumping capacity to get a reasonable water depth at supercritical flow. Once we have a complete understanding of the range of flows that can be replicated in the main channel of the flume, we will install an inlet pipe through the flume wall to provide the side-channel flow. Flow through the inlet will be provided through a separate variable-speed pump fed by water from the flume sump. The separate flow controls will allow us the ability to precisely deliver flow combinations required in the testing matrix. The inlet connection will either allow for a range of angles or we will construct different inlets at different angles.

F. Testing

The complexity of testing will require a careful, systematic testing approach to ensure results are definitive and defensible. We expect that flow through the flume ("main channel") will need to be maximized to provide the best conditions for testing. It may be necessary to narrow the channel or add supplemental pumping capacity to produce enough flow depth to test some alternatives. Multiple conditions will be tested to ensure that we fully understand the operational range of the flume.

Once a series of preliminary runs are completed, our first testing efforts will be to determine the magnitude of the potential impacts within the system. Testing will start with a 90-degree inlet and



the lowest proportion of the main channel to tributary flows (lower right corner of the testing matrix shown above); these conditions should produce the maximum impact to main channel flow. The vertical location of the 90-degree inlet will also be verified and modified if necessary during these initial runs. The flume conditions must reasonably mimic system conditions, but it will also be necessary to ensure this location is consistent with water depths in the flume.

Measurement techniques for flows and water surface elevations will be perfected during these early runs and clear procedures established to ensure quality control for all future runs. The data from these runs will be evaluated to determine the precision and accuracy of the results. These will be important criteria for discerning the conditions at which no measurable impact can be ascertained.

Once these initial tests are completed and testing procedures firmly established, the main channel to tributary flow proportion will be increased by reducing the inlet flow (still using a 90-degree inlet angle) until channel impact becomes so small, they cannot be measured. These initial test runs should provide a solid basis for adjusting the testing matrix as necessary to garner the maximum information from our efforts. If the conditions that produce no measurable impacts with a 90-degree inlet angle can be firmly established, planned tests at lower flows and smaller inlet angles and can be reallocated to garner additional data.

After testing is complete at a 90-degree inlet angle, a different angle will be selected. It is expected that the angle will be stepped down to 75 degrees and the testing repeated. However, it is possible that a minimum angle (e.g., 30 degrees) will be selected to bound the testing matrix so that additional runs within the planned testing matrix can be reallocated to increase our understanding in other areas.

Testing will continue until a comprehensive matrix of runs has been completed. Additional tests will be competed as necessary to resolve inconsistencies or quality assurance issues that arise. Multiple runs will likely be conducted for some, if not all, conditions to ensure reproducibility of results.



G. Analysis of Results

Flow and water level information are expected to be gathered electronically. The first step will be to reduce the electronic acquired data. Some of the initial flume runs without an inlet flow will be used to develop and establish procedures for analyzing and reducing this data.

Results will be analyzed continuously during the testing process to ensure they are reliable and defensible. Precision and accuracy will be a critical focus during the early testing phase. We must demonstrate that changes in flow proportion and inlet angle result in measurable changes in channel conditions.

Individual test results will be analyzed for consistency within the run itself and with prior data. Multiple runs with the same conditions will be analyzed statistically for similarities and differences and the results used to evaluate the testing protocols in place. Inconsistencies may require additional testing runs or modifications to test procedures and protocols.

Once the data are validated, the focus will be identifying the combinations of main channel to tributary flows and inlet angle below which measurable impacts were not observed and understanding the importance of the impacts found in other tests.

H. Develop Proposed Design Approach and Report

The final and most critical task of the project will be to translate the test results into a proposed design approach for inlets into channels. The Clark County Regional Flood Control District's Hydrologic Criteria and Drainage Design Manual (1999) currently addresses inlet angles in Section 802.6.1:

802.6.1 Angle of Confluence

"In general, the angle of confluence between main line and lateral shall not exceed 45 degrees and, as an additional requirement, shall not exceed 30 degrees under any of the following conditions:

- Where the flow (Q) in the proposed lateral exceeds 10 percent on the main line flow.
- Where the velocity of the flow in the proposed lateral is 20 fps or greater.
- Where the size of the proposed lateral is 60 inches or greater.
- Where hydraulic calculations indicate excessive head losses may occur in the main line due to the confluence.



Connector pipes may be joined to main line pipe at angles greater than 45 degrees up to a maximum of 90 degrees provided not of the above conditions exist. If, in any specific situation, one or more of the above conditions does apply, the angle of the confluence for connector pipes shall not exceed 30 degrees. Connections shall not be made to main line pipe which may create conditions of adverse flow in the connector pipes.

The above requirements may be waived only if calculations are submitted to the District showing that the use of a confluence angle larger than 30 degrees will not unduly increase head losses in the main line."

The results will be used to propose modifications, if justified by the test results to this section.

IV. BUDGET AND MILESTONES

A. Budget and Justification

Senior Personnel	
Moses Karakouzian	\$28,879
Don Hayes	\$16,517
Moses Buyout	\$32,490
Other Personnel	
Mr. Faught, Professional Support	\$11,646
GA - Doctoral - 12 month	, \$22,334
Undergraduate Student Worker	\$5,055
Total Salary and Wages	\$116,921
Fringe Benefits	,
Dr. Karakouzian & Dr. Hayes Summer Salary @ 18%	\$8,171
Dr. Karakouzain Buyout + health insurance FY18 @ \$2,229	\$8,714 \$3,843
Mr. Faught Professional @ 33%	
GA PHD 12 month @ 12%	\$2,680
Undergraduate Student Worker @ 2%	\$101
Total Fringe Benefits	\$23,510
Other Direct Costs	10
Materials and Supplies	\$20,000
Tuition/Fees (\$302/credit + \$266 x 2sem fees)	\$4,156
Total Other Direct Costs	\$24,156
Total Direct Costs	\$164,587
Modified Total Direct Costs	\$160,431
Indirect Costs @ 49.5%	\$79,413
Total Project Costs	\$244,000



Justification

We request funds for two summer months' salary for the PI, Dr. Moses Karakouzian. At an annual 9-month salary of \$129,958, this totals \$28,879. In addition, we request two course buyouts for Dr. Karakouzian during the project, totaling \$32,490, to cover one 3-credit course in Fall 2017 and one 3-credit course in Spring 2018. Dr. Karakouzian will be responsible for overall management of the project.

For our co-PI, Dr. Donald Hayes, we request one summer month's salary. At a 9-month contract of \$148,650, this totals \$16,517. He will facilitate design and management of laboratory testing and evaluation of data.

A technician, Peter Faught, will work on the project for approximately two months over the project period. His role will be to modify the flume. He has an annual 12-month salary of \$69,879, we thus request \$11,646 for his contribution in the form of an administrative buyout.

A doctoral-level graduate assistant will work on the project 20 hours per week during the duration of the project, conducting testing and analysis. The stipend for doctoral GAs is \$22,334.

One undergraduate student will assist the GA in the laboratory between 10 and 20 hours a week at an hourly rate of \$15. The total amount of hours budgeted is 337.

Salaries and wages total \$116,921.

Fringe benefits are requested at the following rates and amounts:

Dr. Karakouzian, two months summer salary	18%	\$5,198
Dr. Hayes, one summer month salary	18%	\$2,973
Dr. Karakouzian, two course buyout +		
health insurance FY18 @ \$2,229	20%	\$8,714
Mr. Faught, two month's salary professional	33%	\$3,843
Graduate assistant stipend	12%	\$2,680
Undergraduate student worker	2%	\$ 101

Fringe benefits total \$23,510.

We request \$20,000 for the pumps and tubing required for work in modifying the flume.

Graduate student tuition remission is considered part of Graduate Research Assistant compensation and is estimated as follows:

\$ 302 / credit X 6 credits X 2 semesters = \$3,624

\$ 266 semester fees X 2 semesters = \$532

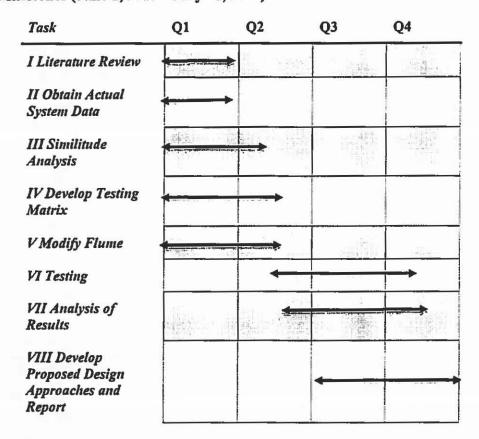
Per UNLV practice, we request tuition and fees for the graduate assistant based on 6 credits per semester X 2 semesters, totaling \$4,156.

UNLV F&A cost is calculated by predetermined rate as stipulated by DHHS Rate Agreement dated 07/22/2016 (DHHS Audit Agency, San Francisco). The following rate is effective beginning 07/01/2017 Research (on-campus) = 49.5% of Modified Total Direct Costs (MTDC). This rate will remain at 49.5% until further amended. For this project, indirect costs total \$79,413.

Total costs for this project are \$244,000.



B. Milestones (June 1, 2017 - May 31, 2018)



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CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

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BROOKS CHANNEL EIGHTH SUPPLEMENTAL INTERLOCAL CONTRACT – NLV18B07

RECOMMENDATION SUMMARY

STAFF:

Approve.

TECHNICAL ADVISORY:

Approve.

CITIZENS ADVISORY:

Approve.

RFCD AGENDA ITEM #17 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

BROOKS CHANNEL

PETITIONER:

JENNIFER DOODY, P.E., CFM, DIRECTOR OF PUBLIC WORKS CITY OF NORTH LAS VEGAS

RECOMMENDATION OF PETITIONER:

THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT BOARD APPROVE THE EIGHTH SUPPLEMENTAL INTERLOCAL CONTRACT FOR DESIGN TO EXTEND THE PROJECT COMPLETION DATE FOR THE BROOKS CHANNEL – NLV18B07 (FOR POSSIBLE ACTION)

FISCAL IMPACT:

N/A

BACKGROUND:

The District entered into an interlocal contract with the City of North Las Vegas (CNLV) dated September 13, 2007, and was supplemented October 8, 2009, November 10, 2010, January 12, 2012, May 17, 2012, January 9, 2014, February 13, 2014, and December 10, 2015. The approved Interlocal Contracts provide funding for design engineering, right-of-way, CLOMR/LOMR, and environmental mitigation for the Brooks Channel.

Due to delays in project closeout activities, this Eighth Supplemental Interlocal Contract is required to extend the project completion date from June 30, 2017 to June 30, 2018.

Respectfully submitted,

TAC AGENDA | RFCD AGENDA | ITEM # 11 | ITEM #17 | Date: 06/08/17

CAC AGENDA ITEM # 11 Date: 05/25/17

JENNIFER DOODY, P.E., CFM

Director of Public Works

Staff Discussion:	Date: 05/15/17						
BROOKS CHANNEL EIGHTH SUPPLEMENTAL INTERLOCAL CONTRACT – NLV18B07							
The City of North Las Vegas has submitted a request to approve an eighth supplemental interlocal contract for design engineering, right-of-way, environmental mitigation and a CLOMR/LOMR to extend the project completion date from June 30, 2017 to June 30, 2018 for the Brooks Channel project.							
Due to delays in project closeout activities, the City wishes to extend the term of the	ne contract.						
The District Attorney has reviewed the contract.							
Staff Recommendation:							
Approve.							
Discussion by Technical Advisory Committee:	AGENDA #11 Date: 05/25/17						
Recommendation:							
Approve.							
Discussion by Citizens Advisory Committee:	AGENDA #11 Date: 05/25/17						
Recommendation:							
Approve.							
	_						

060817 NLV18B-ilc8-aid

EIGHTH SUPPLEMENTAL INTERLOCAL CONTRACT BROOKS CHANNEL

THIS	EIGHTH	SUPPLI	EMENTAL	TO	THE	INTERL	OCAL.	CONTRA	CT	made
and entered	into as of	the	day of _				, 2017	by and be	etwe	en the
Clark County	Regional	Flood C	ontrol Dist	rict, h	nerein	after refe	rred to	as "DISTI	RICT	", and
the City of N	orth Las V	egas, he	ereinafter re	eferre	ed to a	as ("CITY	"").			

WITNESSETH

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve a project to design and construct flood control improvements, and;

WHEREAS, the flood control improvements proposed herein are the same as those generally identified in the 2013 Flood Control Master Plan Update as Structure Nos. LVBR 0000, 0005, 0011, 0014 and 0026, hereinafter referred to as "PROJECT"; and

WHEREAS, the PROJECT is identified and shown on the attached Exhibit "A"; and

WHEREAS, the PROJECT has been approved by the DISTRICT on its Ten Year Construction Program; and

WHEREAS, the PROJECT has regional flood control significance and is located in the same hydrographic area as the Las Vegas Valley; and

WHEREAS, an Interlocal Contract was entered into on September 13, 2007, and Supplemental Interlocal Contracts dated October, 8, 2009, November 10, 2010, January 12, 2012, May 17, 2012, January 9, 2014, February 13, 2014 and December 10, 2015 between the DISTRICT and the CITY; and

WHEREAS, it is desired to supplement the aforementioned Contract to extend the project completion date for the PROJECT.

NOW, THEREFORE, in consideration of the covenants, conditions, contracts, and promises of the parties hereto, the DISTRICT and the CITY agree to the following:

SECTION III - GENERAL, Paragraph 14, shall be amended to read as follows:

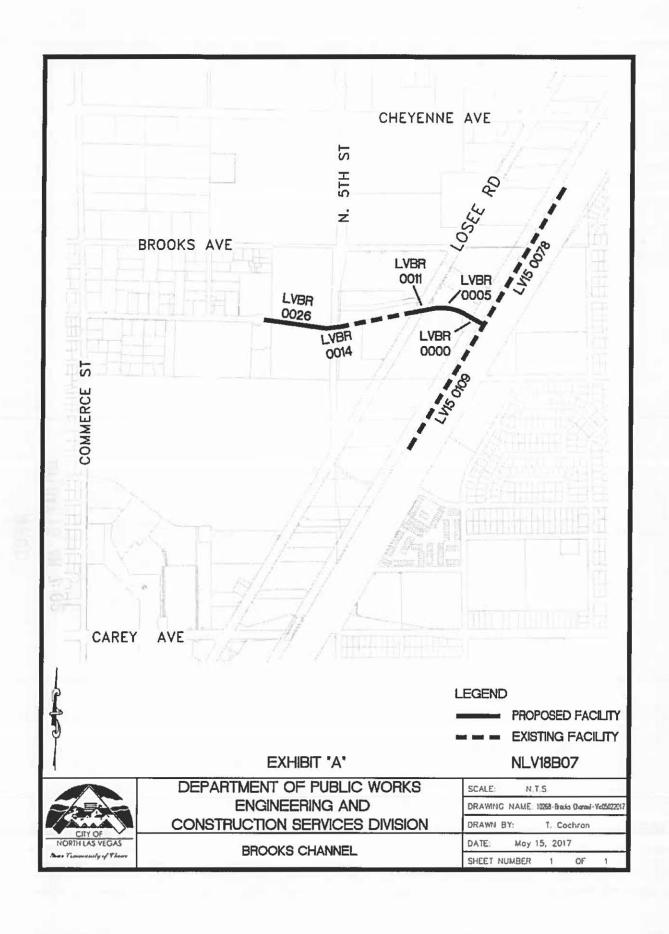
14. The items covered in SECTION II – PROJECT COSTS must be completed to the satisfaction of the DISTRICT prior to June 30, 2018. The DISTRICT may, at any time thereafter, grant extensions or terminate this CONTRACT after thirty (30) days notice.

All other sections of the original Interlocal Contract and Supplemental Interlocal Contracts shall remain unchanged.

Page 1 of 2 NLV18B07

IN WITNESS WHEREOF, this Eighth Supplemental Interlocal Contract is hereby executed as the date first set forth above.

Date of District Action:	REGIONAL FLOOD CONTROL DISTRICT
	BY: LAWRENCE L. BROWN, III Chairman
ATTEST:	
DEANNA HUGHES Secretary to the Board	
Approved as to Form:	
BY: CHRISTOPHER FIGGINS Chief Deputy District Attorney	
*******	****************
Date of Council Action:	CITY OF NORTH LAS VEGAS
	JOHN J. LEE Mayor
ATTEST:	
CATHERINE A. RAYNOR, MMC	



CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

LAS VEGAS WASH – SLOAN CHANNEL TO BONANZA ROAD AND FLAMINGO WASH BELOW NELLIS BOULEVARD FOURTH SUPPLEMENTAL INTERLOCAL CONTRACT – CLA15D12

RECOMMENDATION SUMMARY

STAFF:

Approve subject to approval of the Ten Year Construction

Program Amendment item on this agenda.

TECHNICAL ADVISORY:

Approve subject to approval of the Ten Year Construction

Program Amendment item on this agenda.

CITIZENS ADVISORY:

Approve subject to approval of the Ten Year Construction

Program Amendment item on this agenda.

RFCD AGENDA ITEM #18 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

LAS VEGAS WASH – SLOAN CHANNEL TO BONANZA ROAD AND FLAMINGO WASH BELOW NELLIS BOULEVARD

PETITIONER:

DENIS CEDERBURG, DIRECTOR OF PUBLIC WORKS

RECOMMENDATION OF PETITIONER:

THAT THE REGIONAL FLOOD CONTROL DISTRICT APPROVE SUPPLEMENTAL NO. 4 TO THE INTERLOCAL CONTRACT FOR DESIGN TO INCREASE FUNDING AND EXTEND THE TERM OF THE CONTRACT FOR LAS VEGAS WASH - SLOAN CHANNEL TO BONANZA AND FLAMINGO WASH BELOW NELLIS BOULEVARD - CLA15D12 (FOR POSSIBLE ACTION)

FISCAL IMPACT:

		CURRENT	REVISED	FIS	CAL IMPACT
Design	\$	4,791,000.00	\$ 5,291,000.00	\$	500,000.00
Right-of-Way	\$	22,000.00	\$ 22,000.00	\$	0.00
Environmental Mitigation	\$	220,000.00	\$ 220,000.00	\$	0.00
Preconstruction Services	\$	350,000.00	\$ 350,000.00	\$	0.00
CLOMR/LOMR	\$_	239,000.00	\$ 239,000.00	\$	0.00
Total ILC Value	\$	5,622,000.00	\$ 6,122,000.00	\$	500,000.00

BACKGROUND: On June 14, 2012, the Regional Flood Control District entered into an interlocal contract with Clark County to provide funding for design, right-of-way, environmental mitigation, preconstruction services and CLOMR/LOMR for the subject project. Supplemental No. 1 dated December 13, 2012 increased funds for preconstruction services. Supplemental No. 2 dated May 16, 2013 expanded the scope of the project to include Facility ID miles FLWA 0001 and LVMD 1149 and increased funds for all line items. Supplemental No. 3 dated February 13, 2014 increased design, environmental mitigation, and CLOMR/LOMR funds. The project is still under construction, so the County requests this supplemental interlocal contract to increase design funds for in-house labor and to extend the term of the contract for the project from June 30, 2017 to June 30, 2020.

Respectfully submitted,

TAC AGENDA
ITEM # 12
Date: 05.25.17

CAC AGENDA

RFCD AGENDA
ITEM #18
Date: 06.08.17

ITEM # 12 Date: 05.25.17

DENIS CEDERBURG
Director of Public Works

DC:CB

Staff Discussion:

Date: 05/15/17

LAS VEGAS WASH – SLOAN CHANNEL TO BONANZA ROAD AND FLAMINGO WASH BELOW NELLIS BOULEVARD

FOURTH SUPPLEMENTAL INTERLOCAL CONTRACT - CLA15D12

Clark County has submitted a request to approve a fourth supplemental interlocal contract for design engineering, right-of-way, environmental mitigation, preconstruction services and a CLOMR/LOMR to increase funding in the amount of \$500,000 and extend the project completion date from June 30, 2017 to Jun 30, 2020 for the Las Vegas Wash – Sloan Channel to Bonanza Road and Flamingo Wash below Nellis Boulevard project.

The project is still under construction so the County is requesting additional design funding to cover in – house labor billings. District funding will be provided as follows:

	Current Funding	Increase/Decrease	Proposed Funding
Design Engineer	\$4,791,000	\$500,000	\$5,291,000
Right-of-Way	\$ 22,000	\$ 0	\$ 22,000
Environmental Mitigation	\$ 220,000	\$ 0	\$ 220,000
Preconstruction Services	\$ 350,000	\$ 0	\$ 350,000
CLOMR/LOMR	\$ 239,000	\$ 0	\$ 239,000
Total ILC Value	\$5,622,000	\$500,000	\$6,122,000

The District Attorney has reviewed the contract.

Staff Recommendation:

Approve subject to approval of the Ten Year Construction Program Amendment item on this agenda.

Discussion by Technical Advisory Committee:

AGENDA #12 Date: 05/25/17

Recommendation:

Approve subject to approval of the Ten Year Construction Program Amendment item on this agenda.

Discussion by Citizens Advisory Committee:

AGENDA #12 Date: 05/25/17

Recommendation:

Approve subject to approval of the Ten Year Construction Program Amendment item on this agenda.

SUPPLEMENTAL NO. 4 TO THE INTERLOCAL CONTRACT FOR LAS VEGAS WASH – SLOAN CHANNEL TO BONANZA ROAD AND FLAMINGO WASH BELOW NELLIS BOULEVARD

THIS SUPPLEMENTAL INTERLOCAL CONTRACT, made and entered into this day of ______, 2017, by and between the Clark County Regional Flood Control District, hereinafter referred to as "DISTRICT", and the County of Clark, hereinafter referred to as "COUNTY".

WITNESSETH

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve a project to design and construct flood control improvements; and

WHEREAS, the flood control improvements proposed herein are generally described in the 2013 Clark County Flood Control Master Plan Update, Structures Nos FLWA 0001, LVMD 0883, 0911, 0916, 0923, 0948, 0950, 0974, 1031, 1033, 1046, 1048, 1054, 1069, 1071, 1121, and 1149, hereinafter referred to as "Project"; and

WHEREAS, the Project is identified and shown on the attached Exhibit "A"; and

WHEREAS, the Project has been approved by the DISTRICT on its annual Ten Year Construction Program; and

WHEREAS, the DISTRICT approved an interlocal contract to provide funds for design, right-of-way, environmental mitigation, preconstruction services and CLOMR/LOMR of the Project; and

WHEREAS, it is necessary to increase funds for design and to extend the term of the contract for the Project; and

WHEREAS, the Project has regional flood control significance and is located in the same hydrographic area as the Las Vegas Valley.

NOW, THEREFORE, in consideration of the covenants, conditions, contracts, and promises of the parties hereto, the DISTRICT and the COUNTY agree to supplement the Interlocal Contract approved June 14, 2012, and supplemental interlocal contracts approved December 13, 2012, May 16, 2013, and February 13, 2014, as follows:

SECTION II - PROJECT COSTS, shall be changed to read as follows:

The DISTRICT agrees to fund Project costs within the limits specified below:

- 1. Design in an amount not to exceed \$ 5,291,000.00.
- 2. Right-of-way acquisition including appraisals, title and escrow, negotiations, legal fees, recording fees, etc. in an amount not to exceed \$22,000.00.
- 3. Environmental mitigation in an amount not to exceed \$220,000.00.
- 4. Preconstruction services in an amount not to exceed \$350,000.00.
- CLOMR/LOMR in an amount not to exceed \$239,000.00.
- 6. The total cost of this Interlocal Contract shall not exceed \$6,122,000.00, which includes all the items described in the paragraphs above.
- 7. If at any time during the term of this contract the entity determines that a portion of the funds provided pursuant to this Contract will not be needed for the project, then the entity will notify the District in writing of the amount of funds that are not anticipated to be used for the project. Upon receipt of said notification the District's obligation to pay the maximum amount set forth herein will automatically be reduced by the amount specified in the notification.
- 8. A written request must be made to the DISTRICT and approved by the Board to reallocate funds between phases of the Project. No other approval by the Lead Entity is required.
- 9. A written request must be made to the DISTRICT and a supplemental interlocal contract approved by the Board to increase the total cost of the contract noted above prior to payment of any additional funds.

SECTION III- GENERAL, paragraph 14 shall be changed to read as follows:

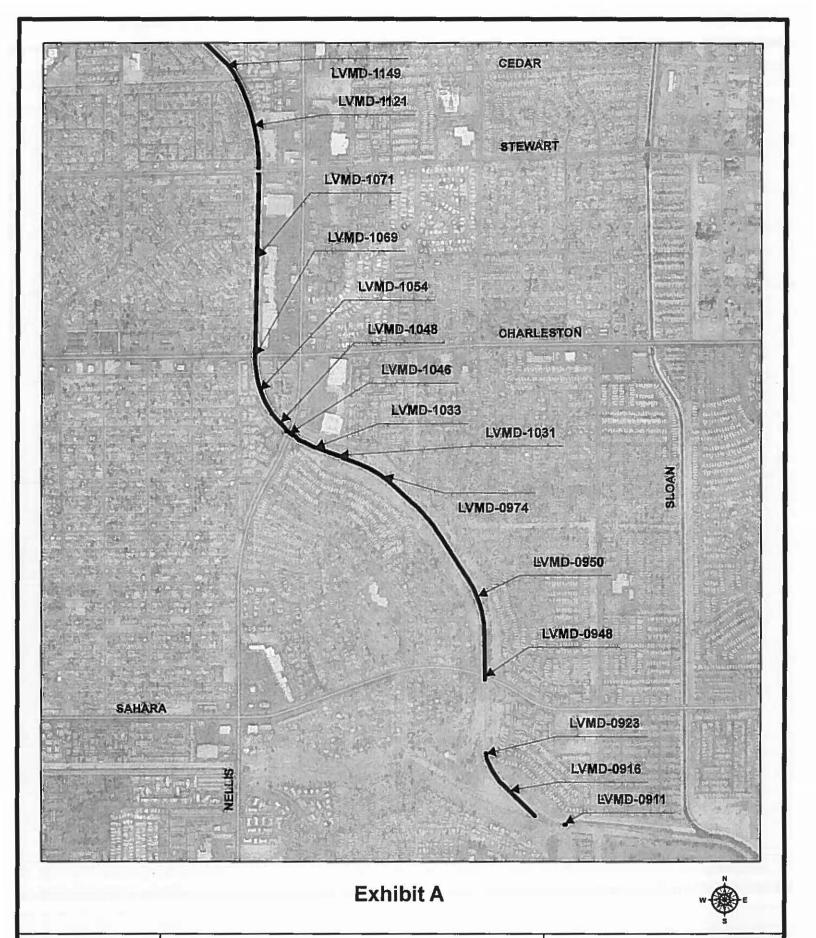
14. The items covered in SECTION II - PROJECT COSTS must be completed to the satisfaction of the DISTRICT prior to June 30, 2020. The DISTRICT may, at any time thereafter, grant extensions or terminate this Interlocal Contract after thirty (30) days notice.

The remainder of the original Interlocal Contract and supplemental Interlocal Contracts

remains unchanged.

IN WITNESS WHEREOF, this Supplemental No. 4 to the Interlocal Contract is hereby executed as of the date first set forth above.

Date of Commission Action:	CLARK COUNTY BOARD OF COMMISSIONER				
	By: STEVE SISOLAK Chairman Attest:				
	LYNN MARIE GOYA County Clerk				
********	**********				
Date of District Action:	REGIONAL FLOOD CONTROL DISTRICT				
	By: LAWRENCE L. BROWN, III, Chairman Attest:				
7 5 6 W	DEANNA HUGHES Secretary to the Board Approved as to Form:				
	CHRISTOPHER FIGGINS Chief Deputy District Attorney				







Las Vegas Wash Sloan Lane to Cedar Avenue CLARK COUNTY PUBLIC WORKS

SCALE: NOT TO SCALE

DATE: 05-12-17

SHEET NUMBER: 1 OF 1

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

PROCLAMATION
FLASH FLOOD AWARENESS MONTH

RECOMMENDATION SUMMARY

STAFF:

Approve a Proclamation that July 2017 be proclaimed "Flash Flood Awareness Month" and all residents and visitors be urged to make themselves aware of the dangers of flash flooding in order to take the necessary precautions in preventing the loss of life and property.

TECHNICAL ADVISORY:

The Technical Advisory Committee did not hear this item.

CITIZENS ADVISORY:

Follow staff recommendation.

RFCD AGENDA ITEM #19 DATE: 06/08/17

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

FLASH FLOOD AWARENESS MONTH

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

THAT THE BOARD APPROVE A PROCLAMATION THAT JULY 2017 BE PROCLAIMED "FLASH FLOOD AWARENESS MONTH" AND ALL RESIDENTS AND VISITORS BE URGED TO MAKE THEMSELVES AWARE OF THE DANGERS OF FLASH FLOODING IN ORDER TO TAKE THE NECESSARY PRECAUTIONS IN PREVENTING THE LOSS OF LIFE AND PROPERTY (FOR POSSIBLE ACTION)

FISCAL IMPACT:

None.

BACKGROUND:

While flash flooding can occur in any month, rain during the months of July, August, and September have the greatest potential to produce flash floods in our area. Proclaiming July as Flash Flood Awareness Month will help heighten awareness of the potential for flash flooding in advance of flash flood season.

The District's Flash Flood Awareness public information effort is a year-round program with heightened emphasis during the summer flood-prone season. District staff will explain segments of this year's campaign that includes outdoor advertising (billboards); radio, television, interactive and print ads; and the FloodSpot app. Additionally, District staff are making presentations about flash flood safety to school children and community groups throughout the year and use a variety of social media platforms to engage the public around this critical issue.

CAC AGENDA | RFCD AGENDA | ITEM #13 | ITEM # 19 | Date: 05/25/17 | Date: 06/08/17

The designation of July as Flash Flood Awareness Month provides an opportunity to disseminate important flood safety information to the public when it is most relevant. The flood safety message encourages all residents and visitors to become aware of the dangers of flash flooding and to take the necessary precautions to prevent the loss of life and property in a flood event. A news conference will be held during the third week of June to kick off flash flood season and provide background information to the media.

Included in your backup is a copy of a proclamation to be acted upon at the Board meeting.

Respectfully submitted,

Steven C. Parrish, P.E.

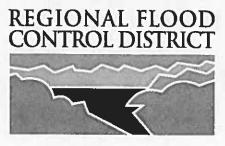
General Manager/Chief Engineer

CAC AGENDA RFCD AGENDA

ITEM #13 | ITEM #19

Date: 05/25/17 Date: 06/08/17

052517 Proclamation 2017-item



Proclamation

WHEREAS, the Regional Flood Control District strives to improve the protection of life and property for existing residents, future residents, and visitors from the impacts of flooding in Clark County through a flood safety awareness campaign; and

WHEREAS, more than one-half of all flood-related deaths are the result of people attempting to drive through flooded areas; and

WHEREAS, currently 91 detention basins and 612 miles of channels and underground storm drains, of which 128 miles are natural washes, have been built to manage the flood risks in Southern Nevada; and

WHEREAS, another 34 detention basins and 205 miles of conveyance remain to be built; and

WHEREAS, each of these projects make another area of the community safer from floods; and

WHEREAS, it is critically important to educate the public about flood hazards, the potential for flash flooding, and how best to protect themselves in floods; and

WHEREAS, flash floods can occur in any month of the year, and summer rains in July through September have the greatest potential to create flash floods in Clark County.

NOW, THEREFORE, WE, the Board of Directors of the Clark County Regional Flood Control District, do hereby proclaim the month of July 2017, as:

"Flash Flood Awareness Month"

and urge all citizens to become aware of their environment and the dangers of floods.

Clark County Regional Flood Control District Board of Directors

Lawrence L. Brown, III, Chairman	Debra March, Vice-Chairman
Chris Giunchigliani, Member	Mayor Carolyn Goodman, Member
Mayor John J. Lee, Member	David Ballweg, Member
Dr. Lois Tarkanian, Member	Mayor Rodney Woodbury, Member
	Attest:

Deanna Hughes, Board Secretary

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

PRIORITIZATION OF PROJECTS, TEN-YEAR CONSTRUCTION PROGRAM AND FISCAL YEAR 2017-18 PROJECT LIST

RECOMMENDATION SUMMARY

STAFF:

Adopt.

(May 15, 2017)

TECHNICAL ADVISORY:

(May 25, 2017)

Follow staff recommendation.

CITIZENS ADVISORY:

(May 25, 2017)

Follow staff recommendation.

STAFF:

(April 17, 2017)

Receive information for the development of the TYCP.

TECHNICAL ADVISORY:

(April 27, 2017)

Receive information for the development of the TYCP.

CITIZENS ADVISORY:

(May 1, 2017)

Receive information for the development of the TYCP.

STAFF:

(March 20, 2017)

Receive information for the development of the TYCP.

TECHNICAL ADVISORY:

(March 30, 2017)

Receive information for the development of the TYCP.

CITIZENS ADVISORY:

(April 3, 2017)

Receive information for the development of the TYCP.

ITEM #20

DATE: 06/08/17

RFCD AGENDA

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT AGENDA ITEM

SUBJECT:

DISCUSSION AND POSSIBLE ACTION TO APPROVE THE PRIORITIZATION OF PROJECTS, TEN-YEAR CONSTRUCTION PROGRAM AND FISCAL YEAR 2017-2018 PROJECT LIST

PETITIONER:

STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

ADOPT THE PROJECT PRIORITIZATION, TEN-YEAR CONSTRUCTION PROGRAM AND FISCAL YEAR 2017-2018 PROJECT LIST (FOR POSSIBLE ACTION)

FISCAL IMPACT: Approval does not commit the District to provide funding. Funding will be committed by interlocal contract in accordance with District Policies and Procedures.

BACKGROUND: The Ten-Year Construction Program (TYCP) and Fiscal Year Project List are required to be updated annually. On June 9, 2016, the Board approved the Prioritization of Projects, Ten-Year Construction Program, and Fiscal Year 2016-2017 Project List.

The District has utilized a third party financial advisor to provide growth estimates of future revenue and inflation. The consultant prepared estimates for three different scenarios of low, moderate and high economic growth. The TYCP incorporates the moderate economic growth estimates. Based on actual sales tax receipts through January 2017, original projected sales tax revenues for fiscal year 2016-17 of \$97,100,000 have been revised upward by 2.1% to \$99,100,000. The TYCP also includes inflation factors developed by District staff to account for increases in construction, design and right-of-way costs over time. The following revenue growth projections and inflation factors are incorporated into the TYCP:

	FY	FY	FY	FY	FY	FY	FY	FY	FY	FY	FY	
	Western Dental An Man House Committee and American	16/17	AND AND THE PARTY OF THE PARTY	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27
		Yr-1		Yr-3	Yr-4	Yr-5	Yr-6	Yr-7	Yr-8	Yr-9	Yr-10	
Revenue	Base	3.2%	4.9%	4.7%	3.5%	3.2%	4.0%	4.0%	4.0%	4.0%	4.0%	
Inflation	Previous	5.0%	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	

TAC AGENDA	TAC AGENDA	TAC AGENDA	RFCD AGENDA
ITEM #10	ITEM #07	ITEM #08	ITEM #20
Date: 05/25/17	Date: 04/27/17	Date: 03/30/17	Date: 06/08/17
CAC AGENDA	CAC AGENDA	CAC AGENDA	
ITEM #10	ITEM #07	ITEM #08	
Date: 05/25/17	Date: 05/01/17	Date: 04/03/17	

Total estimated new resources for the FY 2017-18 TYCP are \$868,580,713, which is a one percent increase from estimated resources for the FY 2016-17 TYCP of \$858,957,837. In addition to using sales tax revenues to fund projects, the District uses debt financing to expedite the construction of projects. In fiscal year 2019-20, \$200 million in bonds are programmed and in fiscal year 2024-25, \$175 million are programmed. Total estimated resources including unencumbered resources from previous years for the FY 2017-18 TYCP are \$900,864,909 million, which is \$680,906 less than the total estimated resources for the FY 2016-17 TYCP of \$901,545,815 million. Year-1 resources for FY 2017-18 are approximately \$87.9 million.

Every five years the Las Vegas Valley Master Plan is updated in accordance with NRS 543. Estimated costs of proposed facilities on the master plan are reviewed and revised as necessary to reflect current economic conditions. The most recent update was adopted by Board of Directors on September 12, 2013. Upon adoption of the Las Vegas Valley Master Plan Update (LVVMPU), calculations are performed utilizing the estimated costs of proposed facilities from all of the master plans to determine the percentage of available revenue for each entity to program against in the TYCP.

The percentage calculations use the cost of master plan facilities remaining to be built for each entity divided by the total cost for all of the facilities remaining to be built. By doing this, the entities with the largest inventory of facilities remaining to be built will get a larger prorated share of the revenues to program against. The calculated percentages are as follows: Henderson 8.35%; Las Vegas 38.70%; North Las Vegas 19.22%; Clark County 29.62%; Boulder City 1.95% and Mesquite 2.16%.

The following exhibits are attached:

Memorandum dated March 21, 2017 – Details recommendations for cost inflation indexes.

Exhibit A – Programming Percentages. This exhibit reflects proportionate shares by planning area and programming entity based on District revenues spent and the estimated cost of remaining facilities as of adoption of the 2013 Las Vegas Valley MPU.

Exhibit B – Project Prioritization. This is the project priority calculation sheet submitted by the entities for FY 2017-18. New project descriptions and ID-Mile groups are required if new projects are proposed.

Exhibit C – Current Ten-Year Construction Program. This exhibit is based on the current Ten-Year Construction Program with modifications to reflect amendments to the program over the past year and funding encumbered by interlocal contract (black with white text) as of March TAC/April Board 2017.

TAC AGENDA	TAC AGENDA	TAC AGENDA	RFCD AGENDA
ITEM #10	ITEM #07	ITEM #08	ITEM #20
Date: 05/25/17	Date: 04/27/17	Date: 03/30/17	Date: 06/08/17
CAC AGENDA	CAC AGENDA	CAC AGENDA	
ITEM #10	ITEM #07	ITEM #08	
Date: 05/25/17	Date: 05/01/17	Date: 04/03/17	

Exhibit D - Fiscal Year 2017-18 Project List. This is a summary of projects eligible for funding in the first year from Exhibit C in accordance with Section II.B.9 of the District's Policies and Procedures.

Respectfully submitted,

Steven C. Parrish, P.E.

General Manager/Chief Engineer

TAC AGENDA	TAC AGENDA	TAC AGENDA	RFCD AGENDA
ITEM #10	ITEM #07	ITEM #08	ITEM #20
Date: 05/25/17	Date: 04/27/17	Date: 03/30/17	Date: 06/08/17
CAC AGENDA	CAC AGENDA	CAC AGENDA	
ITEM #10	ITEM #07	ITEM #08	
Date: 05/25/17	Date: 05/01/17	Date: 04/03/17	

060817 10yr 17-18-item

Staff Discussion:

Date: 05/15/17

ADOPT THE PROJECT PRIORITIZATION, TEN-YEAR CONSTRUCTION PROGRAM (TYCP) AND FISCAL YEAR 2017-2018 PROJECT LIST

The Ten-Year Construction Program (TYCP) and Fiscal Year Project List are required to be updated annually. On June 9, 2016, the Board approved the Prioritization of Projects, Ten-Year Construction Program, and Fiscal Year 2016-2017 Project List.

The District has utilized a third party financial advisor to provide growth estimates of future revenue and inflation. The consultant prepared estimates for three different scenarios of low, moderate and high economic growth. The TYCP incorporates the moderate economic growth estimates. The TYCP also includes inflation factors to account for increases in construction, design and right-of-way costs over time. The following revenue growth projections and inflation factors are incorporated into the TYCP:

	FY	FY	FY	FY	FY	FY	FY	FY	FY	FY	FY
	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27
		Yr-1	Yr-2	Yr-3	Yr-4	Yr-5	Yr-6	Yr-7	Yr-8	Yr-9	Yr-10
Revenue	Base	3.2%	4.9%	4.7%	3.5%	3.2%	4.0%	4.0%	4.0%	4.0%	4.0%
Inflation	Previous	5.0%	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

Year-1 resources for FY 2017-18 are approximately \$87.9 million. Total estimated resources for the FY 2017-18 TYCP are approximately \$901 million.

Staff Recommendation:

Adopt the Prioritization of Projects, Ten-Year Construction Program and Fiscal Year 2017-18 Project List.

Discussion by Technical Advisory Committee:

AGENDA

#10 Date: 05/25/17

Recommendation:

Follow staff recommendation.

Discussion by Citizens Advisory Committee:

AGENDA

#10 Date: 05/25/17

Recommendation:

Follow staff recommendation.

Staff Discussion:

Date: 04/17/17

RECEIVE INFORMATION FOR THE DEVELOPMENT OF THE PROJECT PRIORITIZATION, TEN-YEAR CONSTRUCTION PROGRAM (TYCP) AND FISCAL YEAR 2017-2018 PROJECT LIST AND TAKE ANY ACTION DEEMED APPROPRIATE

The Ten-Year Construction Program (TYCP) and Fiscal Year Project List are required to be updated annually. On June 9, 2016, the Board approved the Prioritization of Projects, Ten-Year Construction Program, and Fiscal Year 2016-2017 Project List.

The District has utilized a third party financial advisor to provide growth estimates of future revenue and inflation. The consultant prepared estimates for three different scenarios of low, moderate and high economic growth. The TYCP incorporates the moderate economic growth estimates. Based on actual sales tax receipts through December 2016, original projected sales tax revenues for fiscal year 2016-17 of \$97,100,000 have been revised upward by 1.5% to \$98,600,000. The TYCP also includes inflation factors to account for increases in construction, design and right-of-way costs over time. The following revenue growth projections and inflation factors are incorporated into the TYCP:

	FY	FY	FY	FY	FY	FY	FY	FY	FY	FY	FY
	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27
		Yr-1	Yr-2	Yr-3	Yr-4	Yr-5	Yr-6	Yr-7	Yr-8	Yr-9	Yr-10
Revenue	Base	3.2%	4.9%	4.7%	3.5%	3.2%	4.0%	4.0%	4.0%	4.0%	4.0%
Inflation	Previous	5.0%	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

Year-1 resources for FY 2017-18 are approximately \$98.9 million. Total estimated resources for the FY 2017-18 TYCP are approximately \$911 million.

Staff Recommendation:

Receive information for the development of the TYCP.

Discussion by Technical Advisory Committee:

AGENDA

#07 Date: 04/27/17

Recommendation:

Receive information for the development of the TYCP.

Discussion by Citizens Advisory Committee:

AGENDA #07 Date: 05/01/17

Recommendation:

Receive information for the development of the TYCP.

Staff Discussion:

Date: 03/20/17

RECEIVE INFORMATION FOR THE DEVELOPMENT OF THE PROJECT PRIORITIZATION, TEN-YEAR CONSTRUCTION PROGRAM (TYCP) AND FISCAL YEAR 2017-2018 PROJECT LIST AND TAKE ANY ACTION DEEMED APPROPRIATE

The Ten-Year Construction Program (TYCP) and Fiscal Year Project List are required to be updated annually. On June 9, 2016, the Board approved the Prioritization of Projects, Ten-Year Construction Program, and Fiscal Year 2016-2017 Project List.

The District has utilized a third party financial advisor to provide growth estimates of future revenue and inflation. The consultant prepared estimates for three different scenarios of low, moderate and high economic growth. The TYCP incorporates the moderate economic growth estimates. Based on actual sales tax receipts through December 2016, original projected sales tax revenues for fiscal year 2016-17 of \$97,100,000 have been revised upward by 1.5% to \$98,600,000. The TYCP also includes inflation factors to account for increases in construction, design and right-of-way costs over time. The following revenue growth projections and inflation factors are incorporated into the TYCP:

	FY	FY	FY	FY	FY	FY	FY	FY	FY	FY	FY
	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	24/25	25/26	26/27
		Yr-1	Yr-2	Yr-3	Yr-4	Yr-5	Yr-6	Yr-7	Үг-8	Yr-9	Yr-10
Revenue	Base	3.2%	4.9%	4.7%	3.5%	3.2%	4.0%	4.0%	4.0%	4.0%	4.0%
Inflation	Previous	5.0%	4.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%	3.0%

Year-1 resources for FY 2017-18 are approximately \$98.9 million. Total estimated resources for the FY 2017-18 TYCP are approximately \$911 million.

Staff Recommendation:

Receive information for the development of the TYCP.

Discussion by Technical Advisory Committee:

AGENDA #08 Date: 03/30/17

Recommendation:

Receive information for the development of the TYCP.

Discussion by Citizens Advisory Committee:

AGENDA #08 Date: 04/03/17

Recommendation:

Receive information for the development of the TYCP.

060817 10yr 17-18-aid

MEMORANDUM

STEVEN C. PARRISH, P.E. GENERAL MANAGER/CHIEF ENGINEER



TO:

Steven C. Parrish, P.E., General Manager/Chief Engineer

FROM:

Andrew Trelease, P.E., CFM, Assistant General Manager

SUBJECT:

Project Cost Indices Fiscal Year 2017/2018

DATE:

March 21, 2017

Included in this memorandum are recommendations for project cost indices for use in forward planning for the Fiscal Year (FY) 2017/2018 Ten Year Construction Program.

Project Cost Index: The following table shows recommendations for project cost indices from the previous year along with the new recommended cost indices for next fiscal year and beyond. The proposed indices will be used for construction, design and right-of-way. Facility costs are evaluated every five years with the update to the master plan for the facilities. The indices are developed each year to adjust the costs estimated during the master plan update (MPU) process. The Las Vegas Valley Master Plan was updated and adopted by Board in September 2013. New facility costs were established with the update. The facility costs presented in the 2013 MPU represented an approximate 23% reduction from the costs developed for the 2008 MPU to better match the bidding climate at that time. The inflation factors presented in this memo will adjust the base line established in the 2013 MPU to account for anticipated adjustments needed based on forecasts of future economic conditions. Based on information provided in this memo, the local economy is relatively stable and steadily growing. New home sales have shown a year over year increase, and the residential and commercial market is expected to continue to grow in 2017. The construction cost index for flood control facilities shows a significant increase in capital costs for flood control facilities for the second consecutive year. The trend thus far into FY 16/17 shows construction costs for these facilities may be leveling out. District staff recommends revising the project cost index for FY 17/18 to 5.0% and 18/19 to 4.0% for the reasons noted above and listed in this memo. The percentage for the 'out years' was maintained at 3%.

Fiscal Year	Previous Project Indices	Proposed Project Indices		
FY 16/17	4%			
FY 17/18	4%	5%		
FY 18/19	3%	4%		
FY 19/20	3%	3%		
FY 20/21	3%	3%		
FY 21/22	3%	3%		
Out Years	3%	3%		

Page 2 Project Cost Indices Fiscal Year 2017/2018



Background Information

General Information

The local economy continued to show steady growth over the 2016 calendar year. Through 2016 new home sales have increased slightly, unemployment continues on a downward trend, consistent strong growth in taxable sales (10.1% increase in FY 2016²) and healthy tourism numbers indicate economic recovery in southern Nevada. Despite possible escalation of inflation rates and other fiscal uncertainty associated with a new Presidential Administration, the general consensus among construction industry executives is for continued growth in the construction market, at least into the middle of 2018.¹ Our expectation is that construction costs will increase through 2017 with increasing inflationary pressure over the next several years.

Major Economic Indicators (National)

- Consumer Price Index (CPI): The all items CPI rose 2.7% over the last 12 months ending in February 2017 indicating a slightly higher cost for goods and services in 2016.
- Producer Price Index (PPI): The PPI is a group of indices that measures the average change over time in prices received by producers for domestically produced goods, services and construction. The PPI index for final demand increased 2.2% for the 12 months ending in February 2017.
- Employment Cost Index: Over the year ending in December 2016:
 - o Private Industry: Wages and salaries are up 2.3%; benefits rose 1.8%.
 - o State and Local: Wages and salaries are up 2.1%; benefits rose 3.1%.

Unemployment

Statewide in Nevada the seasonally adjusted unemployment rate through December 2016 was 5.1%, which is down from 6.4% from the same time last year and the lowest rate since June 2008 according to the Nevada Department of Employment, Training and Rehabilitation. In Clark County, the unemployment rate was 5.0%, down from 6.2% reported last year. Construction jobs in the Las Vegas area increased by 16.3% in 2016. Nationally, the seasonally adjusted unemployment rate was 4.7% through December 2016.³

Local Economy

Year to date visitor volume for Las Vegas increased by 1.5% from the previous year through December 2016. Las Vegas hosted approximately 42.9 million visitors in 2016 breaking the previous record number of 42.3 visitors in 2015. Convention attendance continues to be strong with

¹Engineering News Record December 26, 2016

²Nevada Department of Taxation

³U.S. Department of Labor; Bureau of Labor Statistics, March 2017

Page 3 Project Cost Indices Fiscal Year 2017/2018



approximately 6.3 million attendees coming to Las Vegas, an increase of 7.1% from 2015. Passenger traffic at the airport rose 4.5% and vehicular traffic on all major highways is up 5.5%. Gaming revenues for Clark County increased slightly (1.0%) for the same time period and room inventory remained essentially flat. Year to date occupancy rate citywide was 89.1% through December 2016, which is a 1.4% increase from a year ago. Additionally, the average daily room rate rose 4.4% through December 2016 compared to the same period in 2015.⁴ These results indicate the continued steady growth of tourism in Southern Nevada.

Residential Construction

As of December 2016, a total of 7,035 new home sales were closed in Las Vegas with a median price of \$329,596, a slight increase from 2015. New home permits issued in 2016 total 6,999, which is a 13.5% increase over last year. **Figure 1** shows data obtained from the Southern Nevada Home Builders and the Salestraq websites that presents the number of new homes sold through 2016 versus the median new home price. There were 41,720 existing home sales in 2016. This is an increase of 8.1% from last year.⁵ The trend for residential construction in 2016 is positive and continued growth is expected through 2017.

As for headwinds facing the housing market, the Greater Las Vegas Association of Realtors (GVLAR) reports the tight local housing supply continues to be a concern for buyers, with less than a three-month supply of homes available for sale when a six-month supply is considered to be a balanced market.

Meanwhile, interest rates have climbed since November 2016, pushing up borrowing costs. For the week ending December 2016, the average rate nationally on a 30-year mortgage was 4.16 percent. That is up from 3.77 percent for November 2016, according to mortgage giant Freddie Mac.

On a positive note, GLVAR has been reporting fewer distressed sales and more traditional home sales, where lenders are not controlling the transaction. That trend continued in January 2017, when 4.2 percent of all local sales were short sales – which occur when lenders allow borrowers to sell a home for less than what they owe on the mortgage. That is down from 7.0 percent of all sales in January 2016. Another 6.8 percent of all January 2017 sales were bank-owned, down from 7.9 percent one year ago.

⁴LVCVA Year End Summary for 2016 and Las Vegas Tourism Construction Bulletin

⁵www.salestraq.com and www.snhba.com



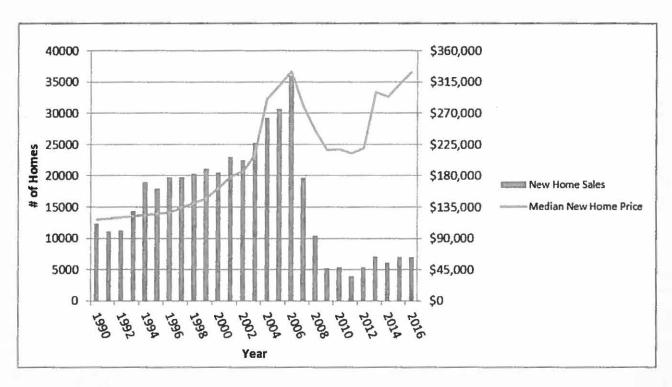


Figure 1 - Data obtained from www.snhba.com (1990-2011) and www.salestraq.com (2012-2016)

Commercial Construction

The Las Vegas office market has posted consecutive years of net absorption gains, although new speculative construction has been minimal. Moving forward into 2017, office brokers are expecting a boost in redevelopment projects rather than speculative development. The office space vacancy rate through the fourth quarter of 2016 stands at 17.6%. Office construction has been limited and slow due to high construction costs and land values. Current under-construction activity in the Las Vegas area totaled 212,150 square feet by the end of 2016 with most building occurring in the South and Northwest. As most of Las Vegas' office-using employment is tied to the gaming industry, the overall sector should see measured growth in 2017. There is a push to attract new business, such as solar energy companies, expansion of Zappos facilities, and professional sports teams such as the NHL expansion franchise Golden Knights, and possibly the relocation of the NFL's Raiders. While these stories are not common, improvement in the commercial market is expected to continue through 2017.

⁶Las Vegas Office Market Q4 2016 - Newmark Grubb Knight Frank

Page 5 Project Cost Indices Fiscal Year 2017/2018



The Las Vegas industrial market continues to see a boom in development. Las Vegas has a geographical advantage for logistics occupiers, who are able to serve both Southern California and many communities in Arizona overnight as well as enjoy a host of business enticements. These enticements and the improvement of several highway and interchange projects have encouraged industrial developers to continue to build speculative product. At the end of 2016 there were 4.8 million square feet of industrial projects under construction, and the significant increase in new industrial construction projects will continue into 2017 with most of the activity occurring in North Las Vegas.⁷

Architectural Billing Index (ABI)

Nationally, a good indicator of upcoming (nonresidential) construction is the architectural billing index. This index increases as the total dollar amount of billings from architectural firms increase. Generally, if the index is on the rise, construction starts will follow with a lag of about nine to twelve months. An index over 50 indicates an increase in billings. According to the American Institute of Architects (AIA), the reported ABI score concluded 2016 on a positive note, capping off three straight months of growth in design billings. The December 2016 ABI score was 55.9 up from 50.6 in November 2016. Looking regionally, the billing index in the West is at 48.8, the Midwest is at 52.4, the Northeast is at 53.0, and the South is at 54.2, which is generally encouraging in the Midwest, South, and Northeast, but indicates a decrease in design services in the West. Overall the indicators are positive over the last year for the non-residential construction industry.

Construction Cost Indices

Rider Levett Bucknall (RLB). RLB reports for 4th quarter 2016 (through October 1, 2016) that the national construction cost index is 178.34, an increase of 5.5% over the 2015 index value of 169.05. This index is relative to a base of 100 set in April 2001. In the report for Q4 of 2016, RLB considers the possible positive and negative effects of the incoming Presidential Administration on construction:

- On the plus side for construction are promises for less regulation, removing roadblocks from energy infrastructure projects, the introduction of the American Energy & Infrastructure Act and the end to the sequester on defense spending.
- On the negative side for construction are the potential fall-outs from cracking down on immigration and suspending federal funding for 'sanctuary cities'.

On balance, RLB expects that, barring some external shock to the economy, 2017 should be another positive year for construction generally.⁹

⁷Las Vegas Industrial Market Q4 2014 - Newmark Grubb Knight Frank

⁸The American Institute of Architects, February 2017

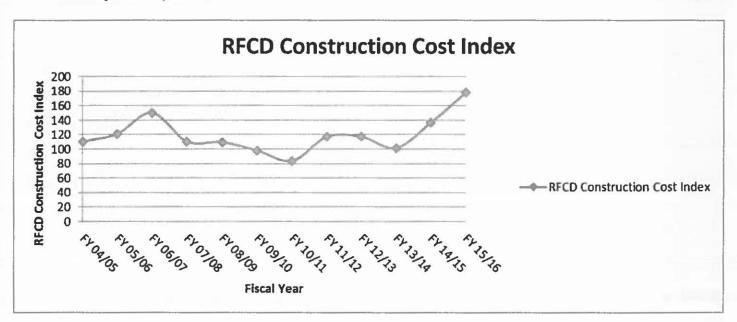
⁹Rider Levett Bucknall - Quarterly Cost Report, October 1, 2016



RLB also tracks costs locally for 13 different major metropolitan areas including Las Vegas. The index tracks the true bid cost of construction, including labor, material, overhead costs and profit. The index for Las Vegas in October 2016 is 13,342, which is up (3.9%) from the October 2015 value of 12,844. The index has shown a steady upward climb from early 2012 to date.⁹

Engineering News Record (ENR). ENR provides a weighted aggregate index of the prices of constant quantities of structural steel, Portland cement, lumber and common labor. The base of the index is 100 set in 1913. They use data from 20 major metropolitan areas to compile their index. The index at the end of December 2016 is 10530, which is 3.9% higher than the index value of 10135 for December 2015. According to ENR, confidence is high among construction industry executives positive market growth will continue into for the next 12 to 18 months. Furthermore, despite possible escalation of interest rates on construction loans, most executives are optimistic about the impact the new Presidential Administration will have on the construction industry.¹⁰

Regional Flood Control District (RFCD). The RFCD Construction Cost Index (CCI) tracks winning bids for three major types of flood control structures: concrete box culvert, concrete pipe and concrete channels. These facilities were chosen since they are the prevalent types of structures constructed with District funds. The base of the index is 100 set in FY 2004. The index for FY 2016 is 178, which is a 30% increase from the index in FY 2015 of 137. The CCI shows costs have increased significantly over the previous year. Data from winning bids opened thus far into FY 2017 are not shown on the graph below due to the limited data set. The data shows a decrease in the index of about 2% compared to FY 2016 thus far into the fiscal year, indicating costs may be levelling out after significant increases over the past two years.



⁹Rider Levett Bucknall – Quarterly Cost Report, October 1, 2016

¹⁰ ENR December 26, 2016

Page 7 Project Cost Indices Fiscal Year 2017/2018



A comparison between the average number of bidders per bid versus the difference between the engineer's estimate and the bid amount was analyzed. Winning bid amounts averaged 17.7% (through July 2016) below the engineer's estimate. The average number of bidders remained at 5 bidders per project over FY 2015/2016. This average is well below the highest average number of bidders of 17.1 posted in FY 2009/2010. Historically bid prices tend to trend upward as the number of bidders decreases due to reduced competition among contractors making those bids.

Summary

Nearly all construction forecasters are predicting growth nationally will increase through 2017. Construction starts are anticipated to show growth in nearly every category including residential, commercial, industrial and public sector construction. The unemployment rate continues to decline and we are seeing increasing growth in sales tax revenue. The architectural billings index is above 50, which is another indicator of growth. Local economic indicators also point to continued growth in the Las Vegas area through 2017 with similar positive trends in construction growth and unemployment as national trends. Over the past year, costs for general construction and flood control projects have increased. Based on the data included in this memo, staff believes that construction costs will trend higher in 2017 with gradual increases through 2018 and beyond.

The construction costs predicted by the District's Cost Tool used in planning estimates continue to be lower than bid prices on flood control projects even with annual adjustments. One way to correct this would be to have an adjustment factor to calibrate the cost estimates then add anticipated inflation on top of the adjustment factor to predict future construction costs. Rather than use this method, we chose to increase the anticipated construction costs slightly higher than the anticipated inflation for the next two years in hopes of producing estimates which are closer to the bid prices in the next few years.

There are inherent difficulties in completing this task, particularly when attempting to estimate how much costs will inflate/deflate beyond the next fiscal year. One local factor which could have a significant impact on construction costs in southern Nevada is the impact of the Fuel Revenue Indexing (FRI) initiative by the Regional Transportation Commission. The FRI is a tax on fuel to pay for roadway infrastructure. In 2016 Clark County voters decided to continue the program. The county fuel tax increase will be phased in over 10 years to raise roughly \$3 billion for local road construction, maintenance and repair projects. Since the work is similar to flood control construction, many of the same contractors bid on both types of projects. The overall cost of flood control construction could be affected by the number of transportation projects being funded and how fast they are delivered. It may be a few years before the impacts of the ongoing FRI program on flood control construction can be determined. To lessen the impact of fluctuations, this memo is updated annually with the Ten Year Construction Program giving us the opportunity to make adjustments to the percentages in accordance with changes in economic conditions.

Cc: Jeanine Pitts-Dilworth, Administrative Services Director Todd Myers, P.E., Engineering Director

TEN-YEAR CONSTRUCTION PROGRAM





FISCAL YEAR 2018 THROUGH FISCAL YEAR 2027

STEVEN C. PARRISH, P.E.
GENERAL MANAGER/CHIEF ENGINEER

ADOPTED JUNE 8, 2017

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT TEN-YEAR CONSTRUCTION PROGRAM FISCAL YEAR 2018 THROUGH FISCAL YEAR 2027

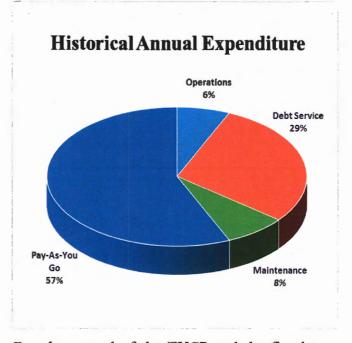
STEVEN C. PARRISH, P.E.

GENERAL MANAGER/CHIEF ENGINEER

ADOPTED JUNE 8, 2017

Capital Improvement Program

The District staff maintains a listing of projects proposed for funding in the next ten-year period. The Construction Program (TYCP) is updated annually and is approved by the Board after review by the Technical and Citizens Advisory Committees. In addition to the TYCP, the District's Chief Engineer with assistance, cooperation and approval of Technical Advisory Committee, prepares a list of projects proposed for funding during the upcoming fiscal year. The fiscal year project list, after approval by the Board, constitutes the Capital Improvement Program for the District in the ensuing fiscal year. The fiscal year project list and the updated TYCP presented in this document were approved



on June 8, 2017, for Fiscal Year 2017-18. Board approval of the TYCP and the fiscal year project list does not authorize funding of any project and does not commit the District to expend any funds.

The TYCP consumes all revenues that the District receives that are not allocated to Operations (Fund 2860), Debt Service (Fund 3300), or the Maintenance Work Program (Fund 2870). A pie chart representing the historical annual expenditures for a fiscal year is depicted above. The TYCP revenues are derived from the one quarter of one percent of Sales Tax and interest revenues commonly known as the Pay-As-You-Go Program. Sales Tax funds the District's Pay-As-You-Go Program in Fund 4430 and is used to retire debt issued for flood control projects accounted for in Fund 4440. These two funds are used to separate debt funding from Pay-As-You-Go funding in order to accurately account for debt proceeds. Since May 1987, the date the first one quarter of one percent of Sales Tax Revenues were received and projected through the end of June 2017, the District has received over \$1,735,096,782 in Sales Tax Revenues. Additionally, the District has issued \$80,000,000, \$150,000,000, \$200,000,000, \$150,000,000, \$75,000,000 and \$100,000,000 in General Obligation Bonds/Notes, secured by Sales Tax Revenue, which were sold in November 1991, September 1998, September 2003, June 2009, December 2013, and December 2014, respectively, to expedite projects. The District has funded over \$1,763,097,117 in projects through May 2017.

FISCAL YEAR 2018 THROUGH FISCAL YEAR 2027 TYCP

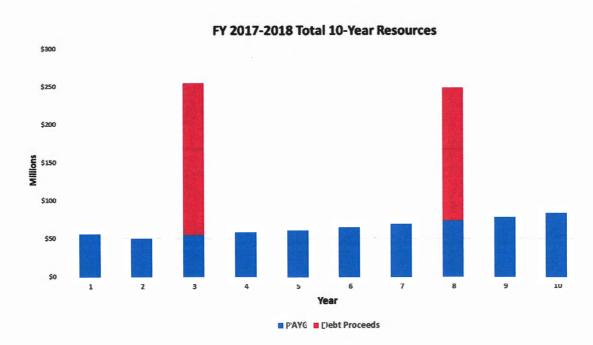
The TYCP is an estimate of when funding will be requested. Available revenues for the TYCP are estimated to be \$900,864,909. Additionally, \$200,000,000 and \$175,000,000 in bonds are programmed in fiscal year 2019-20 and fiscal year 2024-25, respectively, to expedite future flood control infrastructure. Programming of debt is not a guarantee that the debt will be issued.

REGIONAL FLOOD CONTROL DISTRICT – FY 2018 THROUGH FY 2027

The District will evaluate whether to issue the debt based on economic conditions and progress in project development. Sales Tax growth for Year 1 is based on a 1.6% growth rate from prior years' revised budget (\$99,100,000), a 4.9% growth rate for Year 2, a 4.7% growth rate for Year 3, a 4.2% growth rate for Year 4, and a 4.0% growth rate for Year 5 through Year 10.

The TYCP also includes inflation factors to account for increases in project costs over time. Construction, right-of-way, and design costs are: 5.0% for FY 2017-18, 4.0% for Year 2018-19 and 3.0% per year for the out years. Funding of projects in the first year of the TYCP is dependent on revenues being received as projected. There is no guarantee that the project will be funded in the year that it is programmed to request funding. A project may be delayed to future years based on actual receipt of revenues and issuance of debt, resulting in adjustments to the entire TYCP.

The chart below depicts the total resources projected over the next ten year period from Sales Tax Revenue and future debt issuance that could be used to finance design and construction of flood control facilities.

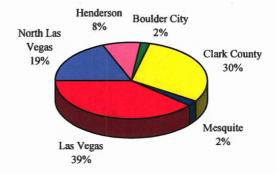


Flood control projects are fairly standard in nature and typically follow a design time of 1-2 years and a construction time of 2-3 years. The minimum level of expenditures for assets to be classified as capital assets for the District is \$5,000.00 and we comply with all adopted GAAP requirements. The design and construction periods for District projects cross multiple fiscal years and unexpended funding is carried forward. The District's budgeted expenditures for the TYCP tie to the capital outlay budget for each fund. The budgeted resources for the District's capital funds during FY 2017-18 are: \$201,542,898 for Fund 4430 and \$20,276,914 for Fund 4440 which includes previously approved and new projects planned for FY 2017-18.

The target funding percentages for hydrographic each area established based on a proportionate share of the sum of the cost of funded projects and proposed Master Plan facilities. The Master Plan costs were obtained from the estimates contained in the various Master Plan Updates that have been adopted. The most recent are the Master Plan Updates for: the Las Vegas Valley adopted by the Board on September 12, 2013; the City of Boulder City adopted by the Board on July 11, 2013; the Town of Bunkerville and the City of Mesquite adopted by the

Prorated Share of Funding

Based on Master Plan



Board on September 13, 2012; the Muddy River and Tributary Washes adopted by the Board on May 19, 2016; the Town of Laughlin adopted by the Board on April 10, 2014, and the Outlying Areas of Clark County adopted by the Board on April 10, 2014. The costs of funded projects were derived from the financial reports at the date of adoption of each Master Plan Update. Exhibit A shows the costs of flood control facilities by hydrographic area and the entity to which the area is assigned. The pie chart on this page indicates the percent of revenues which should be spent in each entity based on need as measured by the cost of flood control facilities identified on the Master Plans. This ensures an equal rate of implementation of flood control infrastructure within each hydrographic area over time.

In November 2000, the District's Board of Directors approved the implementation of Entity Advance Funding (EAF) for flood control projects that meet the District's criteria for construction funding when funds are not yet available. This allows an entity (City or County) to advance construction funding and advertise and award a construction contract for the project ahead of the scheduled date that the District would have funds available. The Board amended the EAF policies on May 15, 2003 and April 12, 2012. Through an Interlocal Contract, the District and Entity agree to a date that the District will reimburse the entity and a set dollar amount for the project. The EAF process has a \$40 million cap; requires that the project be programmed in the first three (3) years of the TYCP in the amount of the request; and the agreed reimbursement date must not exceed five (5) years from the date the Interlocal Contract is approved. These policies keep future revenues and obligations manageable. Current and future EAF contract funds will be programmed in accordance with the conditions of the contract.

In some cases funds are available from another source to allow a construction project to proceed in advance of the District having funding available. When an alternate source of funding is willing and able to facilitate immediate construction of a project the Board may consider a Resolution of Intent to reimburse the funding source at an agreed upon time and amount. The funds for reimbursement are programmed in accordance with the conditions of the Resolution.

Maintenance Work Program

The Board has adopted an Operations and Maintenance Program to provide funding of, and establish performance standards and guidelines for, the maintenance of flood control facilities located in the District's service area. The Program provides funding for entities to maintain flood control facilities within their respective jurisdictions to assure that facilities included in the Master Plan are maintained in a manner that maximizes their useful life and ensures their operation at design capacity during a storm event.

Subsequently, the District worked with the entities to develop the Maintenance Work Program (MWP) to be consistent with the requirements outlined in the Operations and Maintenance Manual. Work is performed using a combination of private contractors and entity maintenance staff. Approximately 612 miles of channel and underground storm drains, of which 128 miles are natural washes, are inspected and/or maintained throughout Clark County, along with 91 detention basins.

Projected Maintenance Work Program funding for the TYCP period is depicted in the following chart:

Fiscal Year	Factor Approved Budget	TYCP MWP Funding Projection	
2018		\$	8,000,000
2019	25.0%	\$	10,000,000
2020	0.0%	\$	10,000,000
2021	0.0%	\$	10,000,000
2022	0.0%	\$	10,000,000
2023	0.0%	\$	10,000,000
2024	0.0%	\$	10,000,000
2025	0.0%	\$	10,000,000
2026	0.0%	\$	10,000,000
2027	0.0%	\$	10,000,000
Total estimated maintenance over 10 years		\$	\$98,000,000

Local Drainage Program

During the 2001 Nevada Legislative Session, the District proposed several changes to NRS 543 – Control of Floods. Senate Bill 267 passed during the session and amended NRS 543 to allow the District to implement a Local Drainage Program. On November 8, 2001, the Board of Directors adopted amendments to the District's Policies and Procedures Manual, which included a definition of a local drainage project and set the procedures for entities minimum eligibility requirements; established funding guidelines for local drainage projects; and identified project initiation procedures.

During the sixteenth year of this program, the District has budgeted \$1,000,000 for Local Drainage projects. Projected Local Drainage Program funding for the TYCP is depicted in the chart on the next page.

In FY 2012, the District funded in the City of Las Vegas, Concord Street Storm Drain (aka Lexington Street Storm Drain) (estimated completion date of June 2018).

In FY 2014, the District funded in the City of Las Vegas, Buckskin Avenue Storm Drain (estimated completion date of December 2019).

In FY 2015, there were no requests for funding for the Local Drainage Program.

In FY 2016, the District funded in the City of Henderson, Appaloosa Storm Drain (estimated completion date of June 2017) and in the City of North Las Vegas, Oak Island Storm Drain (estimated completion date of June 2017).

In FY 2017, there were no requests for funding for the Local Drainage Program.

REGIONAL FLOOD CONTROL DISTRICT - FY 2018 THROUGH FY 2027

Projected Local Drainage Program funding for the TYCP period is depicted in the following chart:

Fiscal year	Factor Approved Budget	TYCP Local Drainage Budget Projection	
2018		\$	1,000,000
2019	0.0%	\$	1,000,00
2020	0.0%	\$	1,000,00
2021	0.0%	\$	1,000,00
2022	0.0%	\$	1,000,00
2023	0.0%	\$	1,000,00
2024	0.0%	\$	1,000,00
2025	0.0%	\$	1,000,00
2026	0.0%	\$	1,000,00
2027	0.0%	\$	1,000,00
tal estimated local drainage over 10 years		\$	10,000,00

The TYCP presented in this document represents the District's and Entities work plan for the coming years.

Project Prioritization

Annually, during review and development of the TYCP, the relative priority of Master Plan projects are reviewed and the priority of projects are assessed. Exhibit B presents a tabulation of the priority values for all Las Vegas Valley flood control facilities included in the TYCP. The criteria used in the evaluation of projects as prescribed in the District Policies and Procedures Section II.B.3 is presented below Items a) through d) recognize life safety issues and are weighted accordingly in this regard:

a) Population Affected

Refers to the existing population affected by the construction of the project considered. Impact includes reducing flood hazards.

b) Assessed Land Value Impacted

Assessed land values for developed and undeveloped land affected by the project, including all structures (public, commercial, or residential) will be reviewed. Impact on land values related to a reduction of the floodplain area will be considered under this item.

c) Public Perception of Need

The project will be evaluated in terms of satisfying the public's desire to see their money spent on "worthwhile" projects and the public's perception of need.

d) Emergency Access and Public Inconvenience

The project will be evaluated to determine its impact on the access of emergency vehicles including police, ambulance, and fire vehicles to their respective substation, hospital, or station. The evaluation will include an assessment of the project's contribution to the development of an all-weather transportation system and accessibility to flood isolated residences, businesses, and public facilities.

e) Cost Avoidance

Cost avoidance includes projects which will reduce future costs, including potential damage, construction of oversized facilities, and the ability to construct. This item should also address other costs associated with lost opportunity and the risk associated with inadequate or undersized facilities.

f) Availability of Other Funding Sources

This includes an evaluation of the potential for funds from grants, developers, the Corps of Engineers, and other public and private interests. Additional funding sources shall include but are not limited to land donated by private developers and the Bureau of Land Management.

g) Interrelationship to Other Projects

Projects which score high on this criterion can function independently or are needed to complete or increase the effectiveness of the existing regional and local drainage system.

h) Timing and Implementation

All aspects of timing and implementation should be considered under this item including availability of right-of-way, permit review if necessary, and ability to administer and begin a project in a reasonable time-frame.

i) Environmental Enhancement

Evaluation of this criterion includes benefits derived from improving or mitigating the threat to public health resulting from stagnant water, erosion, raw sewage spills, and contamination of the domestic water supply. It also includes, if applicable, information on the project's enhancement of habitat, recreational opportunities, and water quality.

j) Annual Maintenance Cost

Projects which will rank high on this criterion have a lower maintenance cost than those facilities now in existence or will reduce maintenance costs downstream.

Priority values are calculated by each lead entity within their respective hydrographic areas. It should be noted that priority values may not necessarily be relative from one hydrographic area to another.

Ten-Year Construction Program

The proposed TYCP totals \$849,649,219 and is presented as Exhibit C. The estimated cost of facilities presented in the Master Plans for all of Clark County is \$1,811,450,265. Therefore, this TYCP constitutes approximately 47% of total Master Plan facility costs. The TYCP project locations are shown on the attached maps. A summary of the proposed program, along with major accomplishments for each entity follows.

HENDERSON

Pittman Wash Planning Area and C-1 Channel Planning Area

A summary of the proposed program, along with major accomplishments for the City of Henderson is shown in the attached map labeled "Pittman Wash and C-1 Channel Planning Area." Henderson projects completed or funded for construction since 1987 include:

Appaloosa Storm Drain, Local Drainage Project

Black Mountain (Southwest C-1) Detention Basin

Located at the base of Black Mountain

Blackridge Road Storm Drain System, Local Drainage Project

Boulder Highway Channel

Bridges over Pittman Wash

At Warm Springs Road, Stephanie Street, and Green Valley Parkway

- C-1 Channel, Middle Reach
- C-1 Channel/Middle & Upper Reaches, Phase I (Burkholder Boulevard to Boulder Highway)
- C-1 Channel, Upper & Middle Reaches Vermillion Drive to Boulder Highway
- C-1 Channel, US-95 Tributary 1
- C-1 Equestrian Tributary

Center Street Storm Drain

Duck Creek, Sunset to Sandhill

Gibson Channel Culvert at Sunset Road

Gibson Conveyance System

East C-1 Detention Basin

Situated in a narrow canyon within the River Mountains funded and constructed by the Southern Nevada Water Authority

Equestrian Detention Basin and Collection Channel

Equestrian Detention Basin Expansion

Equestrian Detention Basin Outfall – Heritage Channel

Equestrian Tributary, Phase II

Horizon Ridge Detention Basin

Mission Hills Detention Basin and C-1 Channel

From Lake Mead Drive to Burkholder Boulevard

Mission Hills Western Interceptor

From Pacific Avenue to the Mission Hills Detention Basin

McCullough Hills Detention Basin

Designed by the Del Webb Corporation as a joint use recreation facility as part of their Anthem project

Northeast Detention Basin, Levee and Outfall

Palm Hills Channel

Pioneer Detention Basin

Pioneer Detention Basin Expansion and Inflow

Pioneer Detention Basin/Outfall, Phase I

From Warm Springs Road to Sunset

Pittman Eastern Detention Basin

Pittman North Detention Basin and Outfall, Phase 1

Pittman North Detention Basin and Outfall, Phase 2 - Starr Avenue

Pittman Park Detention Basin

A joint use recreation facility

Pittman Park Peaking Basin Modification

Pittman Pecos West Conveyance and Eastern Avenue Tributary

Pittman Railroad East Conveyance

Pittman Railroad, MacDonald Ranch Channel

Pittman Wash

From I-515 to Santiago Road: Phase I, II, and IIIA

Pittman Wash - Burns

Pittman Wash, Duck Creek at I-515

Pittman Wash - Gibson

Pittman Wash Railroad Channel (Phase I)

Pittman Wash Railroad Channel, US-95 to Major Avenue

Pittman Wash, UPRR to Santiago

Racetrack Channel - Drake to Burkholder

Union Pacific Railroad Channel

From Pittman Wash to Eastern Avenue

District funding since 1987 for the projects plus design efforts on future projects total approximately \$198,579,358.

The projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

Pittman Burns – Galleria to Boulder Highway (PV = 84.5)

PTSU 0000 and 0023 – This project consists of a concrete channel and 16' x 8' reinforced concrete box culvert that will collect storm flows at the intersection of Sunset Road and Boulder Highway and convey them to the existing Weisner Channel near Burns Road and Galleria Drive. Design is underway. Additional Design and Right-of-Way acquisition are programmed in FY 21/22. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$7.0 million for this project.

Pittman Beltway – Anthem Parkway Channel – Horizon Ridge to Sienna Heights (PV = 99.0) PTAP 0018 – This project consists of a concrete channel from Horizon Ridge Parkway to Sienna Heights Drive. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$0.86 million for this project.

Pittman Beltway – Pittman North Detention Basin Outfall – St. Rose to Spencer (PV = 92.0)
PTNO 0000 through 0073 – This project consists of a reinforced concrete box culvert ranging in size from 6' x 5' to 8' x 5' located parallel to St. Rose Parkway from Executive Airport Drive to Spencer Street to. Design and Right-of-Way Acquisition are programmed in FY 19/20. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$15.2 million for this project.

Lower Pittman – Whitney Wash Channel (PV = 91.5)

WWDC 0069 – This project consists of a concrete lined open channel connecting two existing reaches between Sunset Road and Galleria Drive. Design is underway. Additional design is programmed in FY 19/20. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$3.0 million for this project.

Lower Pittman – Pittman Wash, Eastern to Pecos (PV = 77.0)

PTWA 0346 through 0486 – This project consists of concrete channel improvements, extending from Eastern Avenue to Topaz Street, south of Pebble Road; bank stabilized channel between Topaz Street and Pecos Road, and four (4) 10'x5' reinforced concrete box culverts under Wigwam Parkway. Design is programmed in FY 25/26. The TYCP includes approximately \$1.1 million for this project.

Pittman Pabco – Warm Springs Road to Lake Mead Parkway (Boulder Highway) (PV = 77.0) PTPA 0261 through 0325 – This project consists of reinforced concrete box ranging from 8'x5' to 10'x5' along Boulder Highway from Lake Mead Parkway to Warm Springs Road and dual 6'x4' reinforced concrete box culverts under Boulder Highway. Design is programmed in FY 24/25. The TYCP includes approximately \$0.68 million for this project.

Upper Pittman – Pittman North Detention Basin and Outfall (PV = 99.0)

PTNO 0180 through 0182 – This project consists of a 600 acre-foot detention basin, spillway, and 72" reinforced concrete outfall pipe to St. Rose Parkway at Executive Airport Drive. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$19.4 million for this project.

Upper Pittman - Pittman North Detention Basin to Larson Lane (PV = 85.0)

PTSD 0000 through 0043 – This project consists of a 25' x 8' reinforced concrete box culvert and concrete channel improvements in Bermuda Road extending from Larson Lane to the Pittman North Detention Basin. Design and Right-of-Way Acquisition are programmed in FY 21/22. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$5.0 million for this project.

Upper Pittman - Pittman, Larson Lane - Las Vegas Blvd. to Bermuda Rd. (PV = 84.5)

PTLA 0000 through 0126 – This project consists of a 12' x 4' reinforced concrete box culvert and concrete channel improvements along Larson Lane from Las Vegas Boulevard to Bermuda Road. Design and Right-of-Way Acquisition are programmed in FY 24/25. Construction funding is programmed in FY 26/27. The TYCP includes approximately \$9.7 million for this project.

C-1 - Cadiz Storm Drain - Racetrack to Pueblo (PV = 86.0)

C1CA 0000 – This project consists of 84" reinforced concrete pipe in Cadiz Avenue from Racetrack Road to an existing concrete channel on the west side of Pueblo Boulevard. Design and Right-of-Way Acquisition are programmed in FY 21/22. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$3.4 million for this project.

C-1 - Four Kids Wash - Lake Mead to Eagle Rock Road (PV = 81.0)

C1FK 0040 – This project consists of concrete channel improvements extending northwest from four (4) existing 6' X 3' reinforced concrete box culverts under Lake Mead Parkway to an existing 12'x4' reinforced concrete box culvert under Eagle Rock Street. Design is programmed in FY 23/24. Construction funding is programmed in FY 26/27. The TYCP includes approximately \$0.88 million for this project.

C-1 – C-1 Channel, SNWA Drop Structure to Lake Mead (PV = 86.5)

C1CH 0161, 0173 and 0204 – This project consists of open channel improvements for C-1 Channel from Lake Mead Parkway to the existing SNWA drop structure. Design and Right-of-Way Acquisition are programmed in FY 20/21. Construction funding is programmed in FY 23/24. The TYCP includes approximately \$5.7 million for this project.

C-1 - Burkholder to Warm Springs (Lake Mead Parkway) (PV = 83.0)

C1LM 0141, 0144, 0156, 0158, 0182 and 0184 – This project consists of concrete channel improvements on the east side Lake Mead Parkway from Warm Springs Road to Burkholder Boulevard and a 10'x5' reinforced concrete box culvert under Lake Mead Parkway connecting to the existing downstream concrete channel. Design and Right-of-Way Acquisition are programmed in FY 22/23. Construction funding is programmed in FY 25/26. The TYCP includes approximately \$2.9 million for this project.

The funding programmed for the C-1 Channel and Pittman Wash Planning Areas in Henderson totals approximately \$74.8 million on the TYCP.

LAS VEGAS

Upper Northern Las Vegas Wash Planning Area Gowan Planning Area and Central Basin Planning Area

Projects being undertaken within these planning areas are being administered by either Las Vegas, North Las Vegas, or Clark County. A summary of the proposed program, along with major accomplishments for the City of Las Vegas is shown on the attached map labeled "Gowan, Central, and Upper Northern Basins Planning Area". City of Las Vegas projects completed or funded for construction since 1987 include:

Alta Parallel System

Alta Storm Drain

Part of the Meadows Detention Basin Collection System

Angel Park Detention Basin Expansion

Angel Park Outfall Storm Drain

Vegas Drive between Angel Park Detention Basin and the Buffalo Channel

Ann Road Channel West - Rainbow Boulevard

Ann Road Detention Basin Facilities

Brent Drainage System - Floyd Lamb Park to Durango Drive

Bruce Street Storm Drain, Local Drainage Project

Buckskin Avenue Storm Drain, Local Drainage Project

Buffalo Channel

Between Gowan Detention Basin and Doe Avenue

Carey Avenue/Lake Mead Detention Basin and Conveyance System Located along Lake Mead Boulevard between I-15 and Michael Way

Centennial Parkway Channel West - CC 215, Pioneer Way to US 95

Centennial Parkway Channel West – US95, CC215 to Grand Teton and US95 Crossing at Kyle Canyon Road

Centennial Parkway Channel West – US95 Crossing

Designed and will be constructed by NDOT as part of their US 95 Widening Project

Cheyenne Channel

Gowan South Detention Basin to Buffalo Drive

Cheyenne Crossings

Developer participation project at Rampart, Soft Breezes, and Soaring Gulls

Colorado Avenue System

Clark County is the Lead Entity

Crystal Water Way, Lake South Drive to Desert Inn Road, Local Drainage Project

Durango Drive Storm Drain

Between Charleston Boulevard and Angel Park Detention Basin

Elkhorn Springs & Buffalo Storm Drain

Freeway Channel - Charleston Lateral

Freeway Channel - Washington, MLK to Rancho Drive

Gilmore Avenue - Decatur Boulevard to Thom Boulevard Storm Drain, Local Drainage Project

Gowan Detention Basins

The North and South Detention Basins are joint use recreation facilities

Gowan Detention Basin Outfall

- Storm drain located in Gowan Road between Tenaya Way and Decatur Boulevard
- Decatur Boulevard to the Western Tributary of the Las Vegas Wash City of North Las Vegas is the Lead Entity

Gowan Lone Mountain System – Branch 4

Gowan/Lone Mountain System - Gilmore Channel

Gowan Lone Mountain System - Cliff Shadows Park

Gowan North - Buffalo Branch

Gowan North - Buffalo Branch (Cheyenne Avenue to Lone Mountain Road)

Gowan North - Buffalo Branch (Gowan Road and Buckskin Avenue)

Gowan North - Buffalo Branch, Lone Mountain to Washburn Road

Gowan North Channel, El Capitan Way to the Beltway

Gowan North Channel - Phases I & II

Northern Gowan Detention Basin to Durango including the Durango Branch

Gowan North System - Phase III: Alexander Road to Lone Mountain Road

Gowan Outfall, Craig Road to Channel

North Las Vegas is the Lead Entity

Gowan Outfall - Lone Mountain Branch, Decatur Boulevard to Channel

Gowan Outfall, Lone Mountain Branch (Ferrell Street to Kenny Way)

Gowan Outfall - Lone Mountain Branch (Rancho Drive to Decatur Boulevard)

Grand Teton - Hualapai to Tee Pee

Grand Teton Overpass - Storm Drain

Holmby Channel, Local Drainage Project

Horse Drive Interchange

I-15 Freeway Channel

Portion constructed as part of the Nevada Department of Transportation (NDOT) I-15/Sahara Avenue Interchange project in 1995. The Freeway Channel System, Alta Drive to Sahara Avenue and Bypass Facilities (from Wall Street to Sahara Avenue) were completed in August 2002.

Jay Avenue Improvements, Local Drainage Project

Jones Boulevard - Alta to Borden Storm Drain, Local Drainage Project

Langtry Channel - Bonanza Road to Washington Avenue

Las Vegas Creek Channel, Parallel System at Decatur Boulevard

Las Vegas Creek Channel, Parallel System

Las Vegas Wash - Decatur Boulevard (Elkhorn Road to Farm Road)

Las Vegas Wash - Decatur & Elkhorn, CC 215

Las Vegas Wash - Elkhorn Road, Rainbow Boulevard to Torrey Pines Drive

Las Vegas Wash - Grand Teton, Mountain Spa to Durango Drive

Las Vegas Wash - Jones Boulevard, Elkhorn Road to Farm Road

Las Vegas Wash - Rainbow (Elkhorn Road to Grand Teton Drive)

Las Vegas Wash, Rancho Drive System (Carey/Lake Mead Detention Basin to Peak Drive)

Las Vegas Wash - Smoke Ranch System (Peak Drive: Torrey Pines Drive - Jones Boulevard)

Lexington Street Storm Drain, Local Drainage Project

Formerly known as Concord Street Storm Drain

Lone Mountain Detention Basin

Right-of-Way Acquisition, Environmental Mitigation, and Construction Engineering

Lone Mountain System - Lone Mountain Detention Basin Outfall to Durango Drive

Meadows Detention Basin and Collection System

Meadows Detention Basin Expansion

North & South Environmental Enhancement Areas - Floyd Lamb Park

Oakey Boulevard Detention Basin and Outfall

Oakey Boulevard & Tenaya Way Storm Drain, Local Drainage Project

Oakey Drain, Birch Street to Cahlan Drive

Oakey Drain - Cahlan to Barnard

Oakey - Meadows Storm Drain, Phase I

Oakey Meadows Storm Drain - Phase II

Oakey – Meadows Storm Drain, Phase III

Owens Avenue System (Rancho Drive to I-15)

Peak Drive, Rainbow Boulevard to Torrey Pines Drive, Local Drainage Project

Peak Drive System (Jones Boulevard to Michael Way)

Rampart Storm Drain

Project in conjunction with the Regional Transportation Commission of Southern Nevada (RTC)

Rancho Detention Basin, Phase II

Rancho Road System: Durango Drive US-95 Interchange

Rancho Road System – El Campo Grande Storm Drain

Rancho Road System - Elkhorn, Fort Apache to Grand Canyon

Rancho System - Beltway to Elkhorn

Vegas Drive Storm Drain - Rancho to Shadow Mountain

Washington Avenue System

Las Vegas Creek from Las Vegas Wash beneath Sandhill Road to Washington Avenue then along Washington Avenue to Sagman Street; Sagman Street to Bonanza Road; Bonanza Road to Veterans Memorial Drive; Veterans Memorial Drive to UPRR; and UPRR to Alta Drive (southeast quadrant of the Spaghetti Bowl).

Washington Avenue System (Martin Luther King Boulevard to I-15) and Freeway Channel North (Washington Avenue to Vegas Drive)

District funding since 1987 for the projects plus design efforts on future projects totals approximately \$660,223,766.

The projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

Central - Freeway Channel - Washington, Valley View Boulevard to Decatur Boulevard (PV = 75.0)

LV15 0602 – This project consists of dual 66" diameter reinforced concrete pipes in Washington Avenue extending from Michael Way to just west of Valley View Boulevard. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$8.8 million for this project.

Central – Freeway Channel – Washington, Rancho Drive to Valley View Boulevard (PV = 85.5)

LV15 0528 – This project consists of an 8' x 7' reinforced concrete box culvert in Washington Avenue extending from just west of Valley View Boulevard to Rancho Drive. Design is programmed in FY 18/19 and construction funding is programmed in FY 21/22. The TYCP includes approximately \$8.0 million for this project.

Central – Las Vegas Wash – Stewart to Bonanza (PV = 88.0)

LVMD 1121 and 1149 – This project consists of 70' to 90' wide by 10' to 10.5' deep open channel improvements within the Las Vegas Wash, extending from Bonanza Road to Stewart Avenue. This project is currently under design. Additional design funding is programmed in FY 18/19. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$5.5 million for this project.

Central – Meadows – Charleston, Essex to Lindell (PV = 81.5)

MECN 0000, 0061 – This project consists of an 8' x 7' and 9' x 8' reinforced concrete box culvert in Charleston Avenue extending from Lindell Road to Essex Drive. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$10.1 million for this project.

Central - Meadows - Charleston, Lindell to Rainbow (PV = 75.5)

MECN 0123, 0223 – This project consists of a 6' x 5' and 8' x 6' reinforced concrete box culvert in Charleston Avenue extending from Rainbow Boulevard to Lindell Road. Design is programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$13.5 million for this project.

Central – Cedar Avenue Channel Improvements (PV = 87.5)

CACN 0001, 0035 and CNST 0000 – This project consists of a 6' x 6' and 10' x 9' reinforced concrete box culvert in Pecos Road extending from approximately 700 feet south of Stewart Avenue to the Cedar Avenue Channel, and an 8' x 7' reinforced concrete box culvert in Stewart Avenue from Mojave Road to Pecos Road. Design is underway. Additional design funding is programmed in FY 18/19. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$8.2 million for this project.

Central - Owens Avenue East - Las Vegas Wash to Mojave Road (PV = 85.0)

LVOE 0000 - This project consists of a 15' x 12' reinforced concrete box culvert in Owens Avenue from Mojave Road to Las Vegas Wash. Design is programmed in FY 19/20 and construction funding is programmed in FY 22/23. The TYCP includes approximately \$16.7 million for this project.

Central – Owens Avenue East – Mojave Road to Eastern Avenue (PV = 81.5)

LVOE 0085 - This project consists of a 13' x 12' reinforced concrete box culvert in Owens Avenue from Eastern Avenue to Mojave Road. Design is programmed in FY

21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$8.8 million for this project.

Central – Boulder Highway Sahara Avenue – Eastern to Boulder Highway (PV = 78.0)

BHSA 0000, 0026 – This project consists of a 14' x 11' and 14' x 10' reinforced concrete box culvert in Sahara Avenue from Eastern Avenue to Boulder Highway. Design is programmed in FY 21/22. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$18.2 million for this project.

Central – Sahara Avenue – Eastern Lateral (PV = 76.0)

SAEA 0000 – This project consists of a 10' x 8' reinforced concrete box culvert in Eastern Avenue from St. Louis Avenue to Sahara Avenue. Design is programmed in FY 21/22. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$3.5 million for this project.

Central – Boulder Highway Sahara Avenue – Maryland to Eastern (PV = 76.0)

BHSA 0075 – This project consists of a 12' x 11' reinforced concrete box culvert in Sahara Avenue from Maryland Parkway to Eastern Avenue. Design is programmed in FY 23/24. Construction funding is programmed in FY 25/26. The TYCP includes approximately \$17.2 million for this project.

Central – Boulder Highway Sahara Avenue – LV Blvd to Maryland Parkway (PV = 75.0)

BHSA 0175 – This project consists of a 14' x 14' reinforced concrete box culvert in Sahara Avenue from Las Vegas Boulevard to Maryland Parkway. Design is programmed in FY 24/25. The TYCP includes approximately \$1.8 million for this project.

Central – Flamingo – Boulder Highway North, Charleston – Main to Maryland (PV = 86.0)

FLBN 0281, 0312 – This project consists of a reinforced concrete box ranging in size from 7' x 4' to 10' x 7' in Charleston Boulevard from Main Street to Maryland Parkway. Design is programmed in FY 17/18. Construction funding is programmed in FY 20/21. The TYCP includes \$4.8 million for this project.

Central – Flamingo – Boulder Highway North – Boulder Highway, Sahara to Charleston (PV = 90.0)

FLBN 0038 – This project consists of a 15' x 10' reinforced concrete box culvert in Boulder Highway from Charleston Boulevard to Sahara Avenue. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes \$17.5 million for this project.

Central – Flamingo – Boulder Highway North, Charleston – Boulder Highway to Maryland Parkway and Maryland Parkway System (PV = 86.5)

FLBN 0167, 0180, 0205 & FLMP 0000 – This project consists of an 8' x 6' reinforced concrete box in Maryland Parkway from Stewart Avenue to Charleston Boulevard and 10' x 6' to dual 10' x 6' reinforced concrete boxes in Charleston Boulevard from Maryland Parkway to Boulder Highway. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes \$17.2 million for this project.

Central – Las Vegas Wash – Bonanza – Las Vegas Wash to Lamb Boulevard (PV = 82.0)

LVBZ 0000 – This project consists of a dual 12' x 7' reinforced concrete box culvert in Bonanza Road from Lamb Boulevard to Las Vegas Wash. Design is programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$12.2 million for this project.

Central – Las Vegas Wash – Bonanza – Lamb to Pecos (PV = 78.5)

LVBZ 0064, 0114 – This project consists of a dual 12' x 6' reinforced concrete box culvert in Bonanza Road from Pecos Road to Lamb Boulevard. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$18.3 million for this project.

Central - Flamingo - Boulder Highway North, Main Street (PV = 82.0)

FLBN 0342 – This project consists of a 7' x 4' reinforced concrete box culvert in Main Street from Wyoming Avenue to Charleston Boulevard. Preliminary design was completed in coordination with a street improvement project. Final design is programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes \$3.4 million for this project.

Gowan North - Gowan Box Canyon - Lone Mountain Road (PV = 90.0)

GOBX 0015 – This project consists of approximately 1.25 miles of 66" reinforced concrete pipe storm drain within Lone Mountain Road between the Box Canyon and Lone Mountain Beltway Detention Basins. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$5.0 million for this project.

Gowan North - Gowan Outfall - Alexander Rd., Decatur Blvd. to Simmons Street (PV = 89.0)

GOOF 0275, 0285, 0325, 0375 — This project consists of a reinforced concrete box culvert ranging in size from dual 12' x 8' and dual 14' x 8' to side by side 16' x 8' and 14' x 6' in Alexander Road from Decatur Boulevard to Simmons Street. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$29.4 million for this project.

Gowan North - El Capitan Branch, Lone Mountain to Ann Road (PV = 90.5)

GOEC 0000 through 0076 – This project consists of reinforced concrete box culvert ranging in size from 10' x 6' to 10' x 8' in El Capitan Way from Ann Road to Lone Mountain Road. Design is underway. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$9.1 million for this project.

Gowan Outfall – Clayton Branch (PV = 79.5)

GOCL 0000 – This project consists of 9' x 8' reinforced concrete box culvert in Clayton Street from Gowan Outfall Channel to Washburn Road and in Washburn Road from Clayton Street to Simmons Street. Design is programmed in FY 23/24 and construction funding is programmed in FY 26/27. The TYCP includes approximately \$16.3 million for this project.

Gowan North – Gowan Outfall – El Capitan Branch, Ann Road to Centennial (PV = 87.0)

GOEC 0100 through 0176 – This project consists of 78" reinforced concrete pipe storm drain and reinforced concrete box culverts ranging in size from 7' x 6' to 10' x 7' in El Capitan Way from Ann Road to Centennial Parkway. Design is programmed in FY 17/18 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$8.4 million for this project.

Gowan North - Gowan - Alexander Road, Rancho to Decatur (PV = 87.5)

GOAL 0000 – This project consists of 10' x 9' reinforced concrete box culvert in Alexander Road from Rancho Road to Decatur Boulevard. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$11.1 million for this project.

Gowan North - Gowan - Rancho, Craig to Alexander (PV = 86.5)

GOAL 0100, 0111 – This project consists of 10' x 8' reinforced concrete box culvert in Rancho Road from Alexander Road to Craig Road. Design is programmed in FY 18/19 and construction funding is programmed in FY 21/22. The TYCP includes approximately \$7.8 million for this project.

Gowan North - Gowan - Alexander Branch (PV = 86.0)

GOA2 0000 - This project consists of 8' x 5' reinforced concrete box culvert in Alexander Road from Torrey Pines Drive to Rancho Road. Design is programmed in FY 18/19 and construction funding is programmed in FY 21/22. The TYCP includes approximately \$3.5 million for this project.

Gowan North – Gowan – Craig and US-95 (PV = 85.0)

GOAL 0168, 0247 – This project consists of 10' x 8' reinforced concrete box culvert in Craig Road from US-95 to Rancho Road and open channel improvements along the west side of US-95 from Lone Mountain Road to Craig Road. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$11.9 million for this project.

Upper Northern LV Wash - Rancho Road System - Elkhorn, Grand Canyon to Hualapai (PV = 89.5)

RCHB 0295 – This project consists of a 7' x 6' reinforced concrete box culvert in Elkhorn Road from Hualapai Way to Grand Canyon Drive. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$4.0 million for this project.

Las Vegas Wash - Moccasin, Skye Canyon Park to Squirrels Nest (PV = 89.5)

LVMO 0000 – This project consists of 30' wide by 13' deep open channel improvements in Moccasin Road from Ft. Apache Road to Squirrels Nest Street. Design is programmed in FY 17/18 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$13.2 million for this project.

The funding programmed for the Upper Northern Las Vegas Wash, Central Basin and Gowan Planning Areas in Las Vegas totals approximately \$313.4 million on the TYCP.

NORTH LAS VEGAS

Lower Northern Las Vegas Wash Planning Area Range Wash Planning Area and Lower Las Vegas Wash Planning Area

Projects being undertaken within these planning areas are being administered by either North Las Vegas, Las Vegas, or Clark County. A summary of the proposed program, along with major accomplishments for the City of North Las Vegas is shown on the attached map labeled "Lower North, Range, and Lower Las Vegas Wash Basins Planning Area". Projects completed or funded for construction since 1987 include:

"A" Channel Three Bridges Project (Cheyenne Avenue, Las Vegas Boulevard, and Carey Avenue)

Ann Road, Allen Lane to Rancho Drive

Las Vegas is the Lead Entity

Ann Road Channel East, ULVW to Fifth Street

Brooks Channel

Camino Al Norte Crossing

Part of the Western Tributary of the Las Vegas Wash (first developer participation contract with the District)

Centennial Collector

Centennial Parkway Channel East

Central Freeway Channel at Cheyenne

Cheyenne Peaking Basin, Collection and Outfall - Alexander Road to Cheyenne Avenue

Colton Avenue Flood Control Improvements

Confluence Detention Basin

Clark County is the Lead Entity

Freeway Channel - Owens Avenue to Miller Avenue - Phase I and Phase II

Kyle Canyon Detention Basin

Las Vegas Wash Improvements and King Charles Diversion Project From I-15 to Craig Road

Las Vegas Wash - Las Vegas Boulevard to Cheyenne Avenue

Las Vegas Wash - Losee Road

Las Vegas Wash Main Branch - Las Vegas Boulevard to Lake Mead Boulevard

Las Vegas Wash - "N" Channel, Cheyenne to Gowan

Las Vegas Wash, Water Reclamation Channel

Clark County is the Lead Entity

Lower Las Vegas Wash Detention Basin

A joint use recreation facility

Oak Island Drive Storm Drain Improvements, Local Drainage Project

Rancho Road System - Centennial Parkway to Rancho Road Detention Basin Las Vegas is the Lead Entity

Range Wash - Lamb Boulevard Storm Drain

Simmons Street Channel

Simmons Street Drainage Improvements, Alexander Road to Gowan Outfall Channel

Simmons Street - Phase II, Carey to Cheyenne

Sloan Channel, Las Vegas Wash to Charleston Boulevard Clark County is the Lead Entity

Sloan Channel - Stewart Avenue to Charleston Boulevard Clark County is the Lead Entity

Tributary to the Western Tributary at Alexander Road

Tributary to the Western Tributary at Craig Road ("A" Channel Craig Confluence)

Tropical Parkway Channel East

Upper Las Vegas Wash

Upper Las Vegas Wash Detention Basin and Diversion Dike

Located on the Las Vegas Wash at the upstream area of the Las Vegas Valley

Upper Las Vegas Wash, Craig Road to Elkhorn Road (Phase I – Centennial Parkway to Craig Road)

Vandenberg Detention Basin

Washington Collection System

Clark County is the Lead Entity

West Range Wash Diversion Dike

Western Tributary of the Las Vegas Wash

Camino Al Norte to Centennial Parkway (excluding the reach between the Lower Las Vegas Wash Detention Basin and Clayton Street)

Western Tributary of the Las Vegas Wash

From Alexander Road to north of Craig Road

District funds since 1987 for the projects plus design efforts on future projects total approximately \$282,511,005.

Projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

Lower Northern Las Vegas Wash – North Las Vegas Detention Basin Upgrade (PV = 75.0)

LVUP 0406 – This project will expand the existing North Las Vegas Detention Basin by approximately 780 acre-feet. Design is programmed in FY 20/21 and construction funding is programmed in FY 23/24. The TYCP includes approximately \$4.8 million for this project.

Lower Northern Las Vegas Wash – Fifth Street Collector – Centennial Parkway to Deer Springs (PV = 80.0)

LV5C 0000, 0002 – This project consists of reinforced concrete box culvert ranging in size from 10' x 6' to 15' x 6' in North Fifth Street from Deer Springs Way to Centennial Parkway. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$4.5 million for this project.

Lower Northern Las Vegas Wash – Lake Mead Drain to Las Vegas Wash (PV = 77.0)

LVLE 0000, 0047 – This project consists of reinforced concrete box culvert ranging in size from 12'x 6' to 12' x 8' in Lake Mead Boulevard from just east of Civic Center Drive to the Las Vegas Wash-Middle Branch confluence at Pecos Road. Design is programmed in FY 24/25. Construction funding is programmed in FY 26/27. The TYCP includes approximately \$12.9 million for this project.

Lower Northern Las Vegas Wash – Las Vegas Boulevard Drain (PV = 72.5)

LVLV 0000 – This project consists of a dual 10' x 9' reinforced concrete box culvert in Las Vegas Boulevard from Pecos Road to Las Vegas Wash. Design is programmed in FY 21/22 and construction funding in FY 24/25. The TYCP includes approximately \$9.9 million for this project.

Range – Lower Range – Range Wash – Alto Conveyance, Confluence DB to Los Feliz (PV = 71.5)

RWAL 0000, 0068 – This project consists of open channel improvements along the Alto Avenue alignment from Los Feliz Street to the Confluence Detention Basin. Design is programmed in FY 18/19 and Right-of-Way Acquisition is programmed in FY 19/20. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$5.0 million for this project.

Range - Lower Range - Orchard Collector - Charleston Boulevard to Linden Avenue (PV = 86.5)

SLOR 0158 – This project consists of a soil cement lined levee that will extend south from the Linden Avenue alignment to Charleston Boulevard along the base of Sunrise Mountain. This facility will collect flows draining east off the mountain and convey them south to the Orchard Detention Basin located south of Charleston Boulevard. Design is underway. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$0.25 million for this project.

Range - Lower Range - Owens Detention Basin & Outfall (PV = 78.0)

SLWA 0130 through 0175 and SLOW 0000, 0005 – This project consists of an 88 acrefoot detention basin, spillway, collection facilities and an outfall pipe ranging in size from 24" to 48" in diameter located east of Hollywood Boulevard and south of Owens Avenue. Design is programmed in FY 17/18 and Right-of-Way Acquisition is programmed in FY 18/19. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$6.0 million for this project.

Range – Lower Range – Range Wash – Sloan Channel, Stewart Bridge (PV = 68.5) RWSL 0188 – This project consists of replacing the existing Sloan Channel/Stewart Avenue eight cell 10' x 3.5' reinforced concrete box culvert crossing with a bridge structure to increase conveyance capacity. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$0.51 for this project.

Range – West Range – Beltway Detention Basin & Channel (PV = 86.5)

RWRR 0107 through 0261 and RWBE 0000 – This project consists of a 226 acre-foot detention basin, spillway, an outfall structure consisting of a 24" diameter reinforced concrete pipe, 6' x 6' reinforced concrete box culvert at Centennial Parkway, and rip rap collection channels located along the west side of the Union Pacific Railroad and the north side of the northern Beltway from the Union Pacific Railroad to Lamb Boulevard. Design is underway. Right-of-Way Acquisition is programmed in FY 17/18 and construction funding is programmed in FY 22/23. The TYCP includes approximately \$13.1 million for this project.

Range – West Range – Las Vegas Boulevard Storm Drain (PV = 68.0)

SLLV 0000, 0119, 0176, & SLNL 0000 – This project includes a 12' x 6' and 12' x 7' reinforced concrete box culvert in Range Road from Pease Drive to Las Vegas Boulevard, 12' x 10' reinforced concrete box culvert in Las Vegas Boulevard from Range Road to Nellis Boulevard, and double 12' x 11' reinforced concrete box culvert in Nellis Boulevard from Las Vegas Boulevard to the Range Wash – Sloan Channel. Design and Right-of-Way Acquisition are programmed in FY 24/25. The TYCP includes approximately \$6.4 million for this project.

Range – West Range – Range Wash – Beltway Conveyance (PV = 77.0)

RWBW 0030 and RWWE 0493 and 0517 – This project consists of open channel improvements on the north side of the CC 215 Beltway from just west of Lamb Boulevard to approximately 1,400 feet east of Pecos Road and from Losee Road to approximately 1,400 feet west of Pecos Road. Design and Right-of-Way Acquisition are programmed in FY 17/18. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$2.6 million for this project.

Range – West Range – Vandenberg North Detention Basin, Collection & Outfall (PV = 85.5)

RWWE 0352, 0397 through 0439 – This project includes a 290 acre-foot detention basin and spillway located at Centennial Parkway and Pecos Road with associated collection channels extending east of the basin, 24" reinforced concrete outfall pipe in Pecos Road to Centennial Parkway and 8' x 7' reinforced concrete box culvert from approximately 700 feet north of Azure Avenue to Tropical Parkway. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$25.7 million for this project.

Range – West Range – Beltway Collection System – Pecos (PV = 82.0)

RWWE 0463 and RWBW 0000 – This project consists of a 12' x 9' and a 9' x 6' reinforced concrete box culvert located along the north side of the Northern Beltway at Pecos Road. Design is programmed in FY 17/18 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$6.5 million for this project.

Range – East Range – Hollywood System, Dunes South Detention Basin to Centennial Parkway (PV = 93.0)

RWHW 0000 thru 0277 – This project consists of reinforced concrete box culvert ranging in size from 9' x 8' to 12' x 10' in Hollywood Boulevard from Centennial Parkway to Las Vegas Boulevard, and gabion and concrete lined open channel improvements within Nellis Airforce Base from Las Vegas Boulevard to future Dunes South Detention Basin. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$27.5 million for this project.

Range – East Range – Range Wash – Dunes South Detention Basin (PV = 75.0)
RWEA 0163, 0164, 0165, 0166 & 0192 – This project includes a 1,112 acre-foot detention basin, spillway, outlet structure, open channel, and soil cement levee inflow structure. Design and Right-of Way Acquisition are programmed in FY 24/25. Construction funding is programmed in FY 26/27. The TYCP includes approximately \$16.1 million for this project.

Range – East Range – Range Wash – Ann Branch (PV = 79.5)

RWAN 0000, 0050 – This project consists of 10' x 7' reinforced concrete box culvert in Tropical Parkway between Beesley Drive and Mt. Hood Street, in Mt. Hood Street from Tropical Parkway to Ann Road, and in Ann Road from Mt. Hood Street to Hollywood Boulevard. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$11.6 million for this project.

Range – East Range – Hollywood System, Centennial Parkway to Speedway #2 Detention Basin (PV = 86.0)

RWHW 0300 through 0412 – This project consists of upgrading two existing retention basins to detention basins with volumes of 77 acre-feet and 245 acre-feet, respectively; open channel improvements, 78" diameter reinforced concrete pipe crossing I-15 at Hollywood Boulevard, and 9' x 8' reinforced concrete box culvert from I-15 to Centennial Parkway. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$5.3 million for this project.

Range – East Range – Speedway North Detention Basin and Outfall (PV = 73.0) RWHW 0459, 0498, 0499, and 0500 – This project consists of an 843 acre-foot detention basin, spillway and outlet structure and 72" reinforced concrete pipe located north of the Union Pacific Railroad near the Las Vegas Motor Speedway. Design and Right-of-Way Acquisition are programmed in FY 21/22. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$13.7 million for this project.

The funding programmed for the Lower Northern Las Vegas Wash, Range Wash, and Lower Las Vegas Wash Planning Areas in North Las Vegas totals approximately \$172.3 million on the TYCP.

CLARK COUNTY

Duck Creek/Blue Diamond Planning Area Tropicana/Flamingo Planning Area Outlying Areas

A summary of the proposed program, along with major accomplishments for Clark County within the Las Vegas Valley is shown on the attached map labeled "Flamingo, Tropicana, Duck Creek, and Blue Diamond Planning Area". Projects completed or funded for construction since 1987 include:

Las Vegas Valley:

Annie Oakey Drive at Rawhide Channel Storm Drain, Local Drainage Project

Blue Diamond Channel, Jones Branch

Blue Diamond Channel - Rainbow Branch

Blue Diamond Wash South Rainbow, Pebble - Raven and Wigwam to Ford

Blue Diamond Wash Wigwam, Jones Boulevard to Rainbow Boulevard

Blue Diamond Wash Wigwam, UPRR to Jones Boulevard

Carey Avenue Storm Drain, Local Drainage Project

Desert Inn Detention Basin Collection System and Outfall

Duck Creek at Dean Martin

Duck Creek at Robindale Road

Duck Creek, Broadbent Boulevard Bridge and Channel

Duck Creek, Broadbent Boulevard to Boulder Highway

Duck Creek, Eldorado Lane to Spencer Street

Duck Creek, Emerald Avenue to Stephanie Street, Phase I

Duck Creek, Las Vegas Boulevard

Duck Creek, Lower Detention Basin to Silverado Ranch Boulevard

Duck Creek, Mountain Vista Street to Green Valley Parkway

REGIONAL FLOOD CONTROL DISTRICT – FY 2018 THROUGH FY 2027

Clark County (continued)

Duck Creek, Phase II and Lower Pittman

Duck Creek, Railroad Detention Basin

Duck Creek, Railroad near Warm Springs to Topaz Street

Duck Creek, Robindale to I-215

Duck Creek, Tomiyasu Lane to the Railroad near Warm Springs

Duck Creek, Tomiyasu Lane to Topaz Street

Duck Creek, Topaz Street to Eastern Avenue

Duck Creek, US-95 Branch

Durango Collector

Flamingo - Boulder Highway North, Sahara Avenue to Flamingo Wash

Flamingo Diversion - Jones Branch

Flamingo Diversion - Rainbow Branch

Flamingo Diversion - South Buffalo Branch, Flamingo Wash to Sunset Road

Flamingo Hacienda

Flamingo Wash at Boulder Highway

Flamingo Wash, Algonquin Drive to Maryland Parkway

Flamingo Wash, Boulder Highway to Mojave Road (Miracle Mile)

Flamingo Wash Bridges

At Arville, Eastern, Paradise, and Palo Verde

Flamingo Wash, Desert Inn to Eastern Avenue

Flamingo Wash, Eastern Avenue

Flamingo Wash, I-515 to Boulder Highway

Flamingo Wash, Nellis Boulevard to I-515

Flamingo Wash, Spencer Street Bridge and Approach Channel

Hickam Avenue Storm Drain, Local Drainage Project

Lakes Detention Basin, Collection, and Outfall System
A joint use recreation facility

Las Vegas Blvd/Serene Avenue Storm Drain, Local Drainage Project

Las Vegas Wash - Sloan Channel to Stewart Avenue and Flamingo Wash below Nellis Boulevard (CC Segment)

- The City of Las Vegas funds a segment of this project
- The City of North Las Vegas funds a segment of this project
- Clark County is the Lead Entity

Lower Blue Diamond Detention Basin

Lower Blue Diamond Detention Basin Collector Channel

Lower Blue Diamond Detention Basin Outfall

Lower Duck Creek Detention Basin and Outfall Channel

Lower Flamingo Detention Basin

Olive Street Storm Drain, US-95 to Palm Street, Local Drainage Project

Orchard Detention Basin

Rawhide Channel at Sagebrush Street

Rawhide Channel System

Red Coach Avenue/Cimarron Road Improvements, Local Drainage Project

Red Rock Channel, Naples Branch

Red Rock Channel, Naples Branch - Flamingo Connector

Sloan Channel, Las Vegas Wash to Charleston Boulevard

Sunrise Avenue Area Storm Drain, Local Drainage Project

Sunrise Avenue Storm Drain, Fogg Street to Clayton Street, Local Drainage Project

Toiyabe Street Storm Drain, Local Drainage Project

This project was collapsed into the Carey Street Storm Drain, Local Drainage Project

Tomiyasu and La Casita Crossings of Duck Creek

Tropicana North Branch Detention Basin

Tropicana Wash at Swenson Street

Tunis Avenue and Karvel Street Storm Drain, Local Drainage Project

Twain at Pecos-McLeod Storm Drain, Local Drainage Project

Upper Duck Creek Detention Basin

Tropicana and Flamingo Washes Project:

- Blue Diamond and Red Rock Channels (Beltway Sections 7A, 7B, 8, and 9)
- Blue Diamond Channel Durango Reach (Warm Springs Intersection)
- Blue Diamond Detention Basin
- F-1 Channel, Beltway to Hualapai Way
- F-1 and F-2 Debris Basins and Channels, Phase II
- F-4 Debris Basin and Channel
- F-4 Patrick Lane/Fort Apache Road Lateral
- Flamingo Detention Basin Expansion
- Lower Blue Diamond Channel
- Lower Flamingo Diversion Channel, Phase I (Tropicana Detention Basin to Jones Boulevard)
- Lower Red Rock Complex
- R-4 Detention Basin and Channel

- Red Rock Channel (Beltway Section 10A)
- Red Rock Detention Basin Expansion
- Red Rock Detention Basin Scour Protection and Outfall Channel
- Tropicana Detention Basin and Outfall Channel
- Upper Blue Diamond Diversion Channel
- Upper Flamingo Detention Basin Expansion
- Upper Flamingo Diversion Channel, Phase II

Tropicana Wash Channel

Paradise Road to Koval Lane

Upper Flamingo Detention Basin and Outfall System

Van Buskirk Channel System

Washington/Hollywood Storm Drain, Local Drainage Project

Washington Collection System (Montridge Storm Drain)

Winnick Avenue Improvements

On the Flamingo Wash

Outlying Areas:

Bunkerville Detention Conveyance System (Windmill Wash)

Bunkerville - Windmill Wash Outfall

Cooper Crossing in Moapa Valley

Hiko Springs Detention Basin (SID and District funded)

Hiko Springs Outfall Channel

Indian Springs Detention Basin

Logan (Benson) Wash Improvements in Moapa Valley

Muddy River, Cooper Street Bridge

Muddy River, Gubler Avenue Bridge

Muddy River Logandale Levee

Searchlight Flood Control Improvements

Unnamed Wash Improvements in Laughlin

District funding since 1987 for the projects plus design efforts of future projects total approximately \$567,204,517.

The projects proposed on the TYCP for Clark County within the Las Vegas Valley in hydrographic basin order with Priority Value (PV) include the following:

Tropicana/Flamingo – Blue Diamond – Buffalo Branch (PV = 71.5)

BDBF 0010, 0076, 0125 – This project consists of a 10' x 6' reinforced concrete box culvert and concrete open channel improvements along the Buffalo Drive alignment from West Mesa Verde Lane to Badura Avenue. Design is programmed in FY 23/24 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$9.3 million for this project.

Tropicana/Flamingo – Flamingo – Cimarron Branch (PV = 73.0)

FLCM 0003, 0040 – This project consists of 72" and 78" reinforced concrete pipe storm drain parallel to Cimarron Road from Russell Road to Sunset Road. Design is programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$4.9 million for this project.

Tropicana/Flamingo - Wagon Trail Channel - Sunset Road to Teco (PV = 81.0)

WGTR 0111 – This project includes a 10' x 6' reinforced concrete box culvert in Procyon Street extending from Sunset Road to Teco Avenue. Design and Right-of-Way Acquisition are programmed in FY 18/19. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$1.9 million for this project.

Tropicana/Flamingo – Flamingo Wash, Maryland to Palos Verde (PV = 79.0)

FLWA 0621 and 0673 – This project consists of open channel improvements from Maryland Parkway to Cambridge Street and from Swenson Street to Palos Verde Street. Design is programmed in FY 18/19 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$2.7 million for this project.

Tropicana/Flamingo – Las Vegas Wash – Christy (PV = 72.5)

LVCH 0000, 0114 – This project consists of a 10' x 7' and 12' x 9' reinforced concrete box culvert in Christy Lane from the Las Vegas Wash to Bonanza Road. Design is programmed in FY 23/24 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$22.7 million for this project.

Tropicana/Flamingo – Flamingo Wash Maryland – UNLV (PV = 72.5)

FLMR 0000 – This project consists of 90" reinforced concrete pipe in Maryland Parkway from the Flamingo Wash to University Road. Design is programmed in FY 23/24 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$6.8 million for this project.

Tropicana/Flamingo – Airport Channel – Naples (PV = 87.0)

TRMC 0013, 0031, and 0033 – This project consists of open channel improvements from Harmon Avenue to Tropicana Avenue and 120 acre-feet Tropicana Wash – McCarran Airport Offline Detention Basin. Design is underway. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$9.6 million for this project.

Tropicana/Flamingo – Vegas Valley Drive – Flamingo Wash to Pecos (PV = 72.0)

VAVD 0000 and 0025 – This project includes an 84" reinforced concrete pipe and an 8' x 6' reinforced concrete box culvert in Vegas Valley Drive extending from Burnham Avenue to the Flamingo Wash. Design is programmed in FY 23/24 and construction funding is programmed in FY 25/26. The TYCP includes approximately \$9.0 million for this project.

Tropicana/Flamingo – Flamingo Wash, Industrial Road to Hotel Rio Drive (PV = 83.5)

FLWA 0893 and 0896 – This project consists of open (gabion) channel improvements in Flamingo Wash from the Union Pacific Railroad to Hotel Rio Drive. Design is underway. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$1.4 million for this project.

Tropicana/Flamingo – Tropicana Avenue Conveyance – Morris Street to Mountain Vista Street (PV = 72.5)

LV01 0151 – This project includes an 84" diameter reinforced concrete storm drain in Tropicana Avenue from Mountain Vista Street to Morris Street. Design is programmed in FY 21/22 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$4.8 million for this project.

Tropicana/Flamingo - Las Vegas Wash - Boulder Highway (PV = 70.0)

LVBH 0000 – This project consists of a 12' x 8' reinforced concrete box culvert in Boulder Highway from Tropicana Avenue to Harmon Avenue, and in Harmon Avenue from Boulder Highway to Nellis Boulevard. Design is programmed in FY 26/27. The TYCP includes approximately \$1.1 million for this project.

Tropicana/Flamingo - Tropicana Avenue Conveyance - Las Vegas Wash to Morris Street (PV = 81.0)

LV01 0001 through 0135 – This project includes a reinforced concrete box culvert, reinforced concrete pipe and trapezoidal concrete channel of varying sizes along Tropicana Avenue extending from Morris Street to the Las Vegas Wash. Design is underway. Additional design is programmed in FY 18/19, and construction funding is programmed in FY 19/20. The TYCP includes approximately \$29.3 million for this project.

Tropicana/Flamingo – Las Vegas Wash – Branch 02, Monson Channel – Las Vegas Wash to Boulder Highway (PV = 77.5)

LV02 0001 through 0294 – This project consists of a reinforced concrete box culvert along Flamingo Road from Boulder Highway to Nellis Boulevard; replacement of existing bridge structures along the south side of Flamingo Road at a driveway entrance and at Canal Street; and concrete lined channel beginning at Flamingo Road and Jimmy Durante Boulevard extending south and east to the Las Vegas Wash. Design is programmed in FY 23/24 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$16.0 million for this project.

Duck Creek/Blue Diamond – Blue Diamond Wash – Arville Street to I-15 (PV = 83.0)

BDWA 0276 – This project is a 66" diameter reinforced concrete pipe storm drain in Robindale Road from Arville Street to I-15. Design is programmed in FY 18/19 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$5.0 million for this project.

Duck Creek/Blue Diamond – Duck Creek/Blue Diamond, Bermuda Road to Las Vegas Boulevard (PV = 80.5)

DCBD 0075, 0082 and 0084 – This project includes reinforced concrete box culverts of varying sizes and concrete open channel along Duck Creek, Blue Diamond Wash extending from Las Vegas Boulevard to Bermuda Road. Design and Right-of-Way Acquisition are programmed in FY 18/19. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$5.7 million for this project.

Duck Creek/Blue Diamond – Blue Diamond Channel, Amigo Street to Rancho Destino (PV = 78.5)

BDWA 0087 through 0174 – This project includes reinforced concrete box culverts ranging in size from 10' x 5' to 10' x 6' along Blue Diamond Wash from Rancho Destino Road to Amigo Street. Design and Right-of-Way Acquisition are programmed in FY 19/20. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$10.0 million for this project.

Duck Creek/Blue Diamond – Duck Creek Jones Boulevard (PV = 91.0)

DCJB 0000, 0043 – This project consists of 7'x 6' and 12' x 6' reinforced concrete box culvert from Irvin Avenue to Pyle Avenue to be constructed as part of Regional Transportation Commission of Southern Nevada *Jones* – *Cactus to Blue Diamond* project. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$2.2 million for this project.

Duck Creek/Blue Diamond – Silverado Ranch Detention Basin and Outfall Facilities (PV = 82.5)

BD02 0125 through 0312, 0359 and 0385 – This project consists of 6' x 8' and 12' x 8' reinforced concrete box culvert in Decatur Boulevard from Frias Avenue to Le Baron Avenue, a 14' x 8' reinforced concrete box culvert inflow facility in Le Baron Avenue, a 170 acre-foot detention basin (Silverado Ranch Detention Basin), located south of Silverado Ranch Boulevard and west of Arville Street, a 72" reinforced concrete pipe outlet extending from the detention basin to Silverado Ranch Boulevard, an 84" reinforced concrete pipe in Silverado Ranch Boulevard from Arville Street to Dean Martin Drive, 9' x 6' reinforced concrete box culvert in Dean Martin Drive and Gary Avenue from Silverado Ranch Boulevard to the I-15, and open channel improvements along the west side of I-15 from the Meranto Avenue to Gary Avenue alignments. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$22.0 million for this project.

Duck Creek/Blue Diamond – Blue Diamond Channel 02, Decatur – Le Baron to Richmar (PV = 92.0)

BD02 0334, 0358 – This project consists of 8' x 6' reinforced concrete box culvert within Decatur Boulevard from Richmar Avenue to Le Baron Avenue. The facility will collect runoff from the west and discharge to the future Silverado Ranch Detention Basin. The facility will be designed and constructed as part of the Regional Transportation Commission of Southern Nevada Decatur, Cactus to Warm Springs project. Design is underway. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$3.5 million for this project.

Duck Creek/Blue Diamond - Blue Diamond Wash Railroad (PV = 79.0)

BDW5 0026 – This project will focus on early right-of-way acquisition for future channel improvements adjacent to a Union Pacific Railroad spur that extends from Blue Diamond Road to Rainbow Boulevard. Right-of-Way Acquisition is programmed in FY 17/18 and design is programmed in FY 19/20. Construction funding is programmed in FY 22/23. The TYCP includes approximately \$4.2 million for this project.

Duck Creek/Blue Diamond – Duck Creek Wash Tributary 4 – Detention Basin to Jones Boulevard (PV = 80.5)

DCW4 0298 – This project is the outfall pipe for the Duck Creek Railroad Detention Basin. The facility is an 8' x 5' reinforced concrete box culvert in Pyle Avenue from the Union Pacific Railroad to Jones Boulevard. Design is programmed in FY 18/19 and

construction funding is programmed in FY 20/21. The TYCP includes approximately \$5.3 million for this project.

Duck Creek/Blue Diamond - Duck Creek, Sunset Park (PV = 80.0)

DCSP 0000 – This project consists of an 11' x 6' reinforced concrete box culvert from Duck Creek Wash to Eastern Avenue. Design is programmed in FY 18/19 and construction funding is programmed in FY 21/22. The TYCP includes approximately \$14.5 million for this project.

Duck Creek/Blue Diamond – Duck Creek Wash, Torrey Pines to Rainbow (PV = 91.5)

DCWA 1775, 1803, and 1827 – This Developer Participation project consists of open channel improvements in Duck Creek Wash from Rainbow Boulevard to just east of Torrey Pines Drive. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$0.60 million for this project.

Duck Creek/Blue Diamond – Duck Creek Haven Street (PV = 91.0)

DCHV 0026, 0050, 0057 – This project consists of reinforced concrete box culverts ranging in size from 8' x 5' to 10' x 5' in Haven Street from Pyle Avenue to Cactus Avenue. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$4.0 million for this project.

The funding programmed for the Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Areas in Clark County (Las Vegas Valley) totals approximately \$196.5 million on the TYCP.

Clark County (continued)

The projects proposed on the TYCP for the Outlying Areas of Clark County include the following:

Goodsprings - Goodsprings - Phase I

GSEA 0000, GSPA 0027 and 0029, and GSRV 0019 – This project consists of a riprap channel in Pacific Street and Revere Street discharging to the natural watercourse on the north side of Goodsprings. Design is underway. Right-of-Way Acquisition and construction funding are programmed in FY 17/18. The TYCP includes approximately \$0.85 million for this project.

Muddy River and Tributaries - Fairgrounds - Detention Basin (Whipple Street)

FGWS 0000 through 0166 – This project is a 130 acre-foot detention basin and outfall facility located north of the Clark County Fair Grounds near Whipple Avenue and Heyer Street. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$10.0 million for this project.

Muddy River and Tributaries - Muddy River - Cooper to Yamashita

MRLV 0395 through 0508 – This project consists of earthen channel improvements with grade control structures from Yamashita Street to approximately 800' south of Ramos Ranch. Design is underway. Right-of-way acquisition is programmed in FY 19/20 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$13.1 million for this project.

Muddy River and Tributaries - Bryner Avenue to Lewis

MRLV 0198, 0240, 0268, and 0276 – This project consists of open channel improvements from Bryner Avenue south to Lewis Street. Design is underway. Construction funding is programmed in FY 26/27. The TYCP includes approximately \$15.2 million for this project.

Mount Charleston - Rainbow Canyon Boulevard Bridge

MTCH 0001 – This project consists of a new bridge structure for Rainbow Canyon Boulevard, just south of Kyle Canyon Road. Design is programmed in FY 24/25. The TYCP includes approximately \$0.10 million for this project.

Laughlin - Bridge Canyon Detention Basin

LUHS 0415, 0416, and 0417 – This project consists of a 1,104 acre-feet detention basin, spillway and outlet structure located west of Needles Highway and south of SR 163. Design is programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$11.4 million for this project.

Laughlin - Bridge Canyon Outfall

LUHS 0315, 0316, 0317 – This project consists of a 12' wide by 4' deep concrete outfall channel from the Bridge Canyon Detention basin, 10'x 4' reinforced concrete box culvert, and energy dissipater discharging to the Hiko Springs Wash. Design is

Clark County (continued)

programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$3.0 million for this project.

Laughlin - Hiko Detention Basin Expansion

LUHS 0244 – This project consists of the expansion of the Hiko Springs Detention Basin by 310 acre-feet to accommodate diversion of the Bridge Canyon flow. Design is programmed in FY 19/20 and construction funding is programmed in FY 22/23. The TYCP includes approximately \$1.9 million for this project.

Laughlin - SR 163 at Casino Drive

LUBC 0000, 0001, 0006 and 0007 – This project consists of open channel and storm drain improvements along the south side of SR 163 beginning approximately 280' west of Casino Drive and continuing east to the Colorado River. Design is underway. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$1.2 million for this project.

Searchlight - South, Encinitas St. Storm Drain

SRSO 0000, 0010, 0021, 0030 – This project consists of a 72" diameter reinforced concrete storm drain in Encinitas Street extending from Nevada Street to Washington Street and continuing south in Washington Street to Hobson Street outletting to the natural wash on the southeast side of the town. Design is underway. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$2.5 million for this project.

Searchlight - West

SRWE 0001 through 0091 – This project consists of a 5' high riprap levee, 42" and 54" reinforced concrete pipe and a 12' wide by 5' deep riprap open channel following a stair stepped alignment from the Nevada Street and Indian Street intersection to Nipton Road and US95 intersection, following Nipton Road approximately 0.5 miles northwesterly. Design is programmed in FY 22/23 and construction funding is programmed in FY 24/25. The TYCP includes approximately \$2.6 million for this project.

Bunkerville - Windmill Wash Detention Basin Expansion

WIWA 0039 and JEWA 0165 – This project consists of the expansion of the existing Windmill Wash Detention Basin in Bunkerville from 522 acre-feet to 887 acre-feet and improvements to the existing levee in the Jess Waite Wash. Design is underway. Construction funding is programmed in FY 24/25. The TYCP includes approximately \$9.9 million for this project.

The TYCP for the Outlying Areas of Clark County totals approximately \$71.7 million.

In all, among the Tropicana/Flamingo, Duck Creek, Blue Diamond, and Outlying Planning Areas, Clark County has programmed approximately \$268.2 million for flood control facilities over the next ten years.

BOULDER CITY

Projects completed or funded for construction since 1987 include:

Bootleg Canyon Detention Basin Outfall

Bootleg Canyon Detention Basin, Phase II

Buchanan Boulevard Channel

Buchanan Boulevard, Phase III Improvements

Buchanan Watershed Facilities

Georgia Avenue Channel

Hemenway Wash Improvements

A joint use recreation facility

Hemenway System, Phase IIA Improvements

Industrial Road Facilities

North Railroad Conveyance

Valley View and DD Facilities

Veteran's Memorial Detention Basin

Ville Drive Flood Control Improvements

West Airport Facilities

West Airport Watershed, including West Adams Boulevard and Georgia Avenue Improvements

Yucca Debris Basin, Collection and Outfall

Yucca Street Drainage

District funding since 1987 for the projects plus design efforts of future projects total approximately \$30,096,841.

Boulder City (continued)

The project proposed on the TYCP for Boulder City in hydrographic basin order is the following:

Georgia/Buchanan - Georgia Buchanan Confluence Facilities

GBGR 0003 and GBBC 0004 – This project consists of concrete open channel improvements adjacent to Georgia Avenue and Buchanan Boulevard. Design is programmed in FY 18/19 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$1.9 million for this project.

Georgia/Buchanan - Georgia Avenue Facilities - Vaquero Drive Bridge

GBGR 0099 – This project consists of a free span bridge crossing at Vaquero Drive and Georgia Avenue. Design is programmed in FY 20/21 and construction funding is programmed in FY 21/22. The TYCP includes approximately \$0.30 million for this project.

Hemenway – Hemenway System, Phase IIB Improvements

HMWA 0005, 0105 and HMLV 0006 – This project consists improvements to the Hemenway Channel system located along the north side of US-93 and concrete channel improvements located north of Fire Agate Drive, extending south approximately 700' from US-93. Design is underway. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$0.70 million for this project.

North Railroad - Wells Drive Levee Lining

NRIN 0088 – This project consists of providing riprap lining to the existing unlined Wells Drive Levee. Design is underway. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$0.10 million for this project.

North Railroad - North Railroad Conveyance

NRIN 0010, 0031, 0062 – This project consists of a 12' wide by 5' deep concrete channel, 48' reinforced concrete pipe, and adds approximately 6.7 acre-feet of sediment/debris storage capacity to the existing North Railroad Detention Basin. Design is underway. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$1.7 million for this project.

The funding programmed for Boulder City totals approximately \$4.7 million on the TYCP.

MESQUITE

City of Mesquite projects completed or funded for construction since 1987 include:

Abbott Wash Conveyance System, Pioneer Boulevard to the Virgin River

Town Wash Conveyance, I-15 to the Virgin River

Town Wash Detention Basin

District funding since 1987 for these projects plus design efforts of future projects totals approximately \$24,481,631.

The projects proposed on the TYCP for Mesquite in hydrographic basin order include the following:

Town Wash - Town Wash - Mesa Boulevard, El Dorado to Town Wash

TWMB 0000 through 0044, and TOWA 0120 – This project includes open channel improvements and a 12' X 7' reinforced concrete box culvert extending from Town Wash to Eldorado Road. Design is programmed in FY 17/18 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$4.8 million for this project.

Town Wash - Town Wash Mesa Boulevard, El Dorado to Chaparral

TWMB 0052, 0084, 0094 – This project consists of a 7' X 7' reinforced concrete box culvert and a 60" diameter reinforced concrete pipe extending north and east from El Dorado Road to Chaparral Drive. Design is programmed in FY 17/18 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$6.3 million for this project.

Virgin River - Virgin River Flood Wall

VREC 0000, 0028, and 0054 – This project includes approximately 4,300 linear feet of 17' high flood wall along the eastern edge of the City of Mesquite near Old Mills Road and Mesquite Boulevard. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$3.3 million for this project.

Virgin River - Virgin River Erosion Protection, Phase I

VREC 0203, 0323, 0508, and 0519 – This project includes soil cement erosion protection at various locations along the south side of the City of Mesquite. Design is programmed in FY 18/19 and Right-of-Way Acquisition is programmed in FY 20/21. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$1.8 million for this project.

The funding programmed for Mesquite totals approximately \$16.2 million on the TYCP.

Fiscal Year 2018 Project List

The first year of the TYCP comprises the recommended FY 2018 Project List. It should be noted that construction and right-of-way funds programmed in FY 2019 and FY 2020 are eligible to be funded if they meet the criteria presented in Sections II.B.9.b of the District's Policies and Procedures Manual. To meet these criteria construction projects must have ninety percent (90%) of design complete; have all right-of-entry for construction purposes obtained; and have all necessary permits, including environmental. For right-of-way, adequate design must have been completed to define right-of-way needs. Acceleration of funding in this manner cannot result in the delay of designs programmed in the first year and is dependent upon actual fund availability. Projects programmed in the first year total \$34.4 million. Projects eligible for funding in FY 2018 total \$322.0 million. These projects will be primarily funded from the estimated quarter percent Sales Tax Revenues. Projected revenue for the first year is \$87.9 million. Determining funding eligibility according to this policy allows for full expenditure of available resources annually in the event that some projects should suffer unexpected delays.

Other projects may also begin which are programmed throughout the TYCP if policies regarding Entity Advanced Funding and Funding Resolutions are exercised in accordance with Sections II.D.5 & 6 of the Policies and Procedures Manual.

The projects eligible for funding in FY 2018 are as follows:

Henderson (Pittman Wash and C-1 Planning Areas):

Pittman Beltway – Anthem Parkway Channel – Horizon Ridge to Sienna Heights (PV = 99.0) PTAP 0018 – This project consists of a concrete channel from Horizon Ridge Parkway to Sienna Heights Drive. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$0.86 million for this project.

Upper Pittman – Pittman North Detention Basin and Outfall (PV = 99.0)

PTNO 0180 through 0182 – This project consists of a 600 acre-foot detention basin, spillway, and 72" reinforced concrete outfall pipe to St. Rose Parkway at Executive Airport Drive. Design is underway. Construction funding is programmed in FY 19/20.

FY 2018 eligible funding is approximately \$19.4 million for this project.

Total Programmed First Year: \$ 0 Total Eligible First Year: \$20,276,392

Las Vegas (Upper Northern Las Vegas Wash, Gowan and Central Basin Planning Areas):

Central – Las Vegas Wash – Stewart to Bonanza (PV = 88.0) LVMD 1121 and 1149 – This project consists of 70' to 90' wide by 10' to 10.5' deep open channel improvements within the Las Vegas Wash, extending from Bonanza Road

to Stewart Avenue. This project is currently under design. Additional design funding is programmed in FY 18/19. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$5.5 million for this project.

Central – Cedar Avenue Channel Improvements (PV = 87.5)

CACN 0001, 0035 and CNST 0000 – This project consists of a 6' x 6' and 10' x 9' reinforced concrete box culvert in Pecos Road extending from approximately 700 feet south of Stewart Avenue to the Cedar Avenue Channel, and an 8' x 7' reinforced concrete box culvert in Stewart Avenue from Mojave Road to Pecos Road. Design is underway. Additional design funding is programmed in FY 18/19. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$8.2 million for this project.

Central – Flamingo – Boulder Highway North, Charleston – Main to Maryland (PV = 86.0)

FLBN 0281, 0312 – This project consists of a reinforced concrete box ranging in size from 7' x 4' to 10' x 7' in Charleston Boulevard from Main Street to Maryland Parkway. Design is programmed in FY 17/18. Construction funding is programmed in FY 20/21. FY 2018 eligible funding is approximately \$0.30 million for this project.

Central – Flamingo – Boulder Highway North – Boulder Highway, Sahara to Charleston (PV = 90.0)

FLBN 0038 – This project consists of a 15' x 10' reinforced concrete box culvert in Boulder Highway from Charleston Boulevard to Sahara Avenue. Design is underway. Construction funding is programmed in FY 18/19. FY 2018 eligible funding is approximately \$17.5 million for this project.

Central – Flamingo – Boulder Highway North, Charleston – Boulder Highway to Maryland Parkway and Maryland Parkway System (PV = 86.5)

FLBN 0167, 0180, 0205 & FLMP 0000 – This project consists of an 8' x 6' reinforced concrete box in Maryland Parkway from Stewart Avenue to Charleston Boulevard and 10' x 6' to dual 10' x 6' reinforced concrete boxes in Charleston Boulevard from Maryland Parkway to Boulder Highway. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$17.2 million for this project.

Gowan North - Gowan Box Canyon - Lone Mountain Road (PV = 90.0)

GOBX 0015 – This project consists of approximately 1.25 miles of 66" reinforced concrete pipe storm drain within Lone Mountain Road between the Box Canyon and Lone Mountain Beltway Detention Basins. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$5.0 million for this project.

Gowan North – Gowan Outfall – Alexander Rd., Decatur Blvd. to Simmons Street (PV = 89.0)

GOOF 0275, 0285, 0325, 0375 – This project consists of a reinforced concrete box culvert ranging in size from dual 12' x 8' and dual 14' x 8' to side by side 16' x 8' and 14' x 6' in Alexander Road from Decatur Boulevard to Simmons Street. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$29.4 million for this project.

Gowan North - El Capitan Branch, Lone Mountain to Ann Road (PV = 90.5)

GOEC 0000 through 0076 – This project consists of reinforced concrete box culvert ranging in size from 10' x 6' to 10' x 8' in El Capitan Way from Ann Road to Lone Mountain Road. Design is underway. Construction funding is programmed in FY 17/18. FY 2018 eligible funding is approximately \$9.1 million for this project.

Gowan North – Gowan Outfall – El Capitan Branch, Ann Road to Centennial (PV = 87.0)

GOEC 0100 through 0176 – This project consists of 78" reinforced concrete pipe storm drain and reinforced concrete box culverts ranging in size from 7' x 6' to 10' x 7' in El Capitan Way from Ann Road to Centennial Parkway. Design is programmed in FY 17/18 and construction funding is programmed in FY 20/21. FY 2018 eligible funding is approximately \$0.60 million for this project.

Gowan North - Gowan - Alexander Road, Rancho to Decatur (PV = 87.5)

GOAL 0000 – This project consists of 10' x 9' reinforced concrete box culvert in Alexander Road from Rancho Road to Decatur Boulevard. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$11.1 million for this project.

Upper Northern LV Wash - Rancho Road System - Elkhorn, Grand Canyon to Hualapai (PV = 89.5)

RCHB 0295 – This project consists of a 7' x 6' reinforced concrete box culvert in Elkhorn Road from Hualapai Way to Grand Canyon Drive. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$4.0 million for this project.

Las Vegas Wash - Moccasin, Skye Canyon Park to Squirrels Nest (PV = 89.5)

LVMO 0000 – This project consists of 30' wide by 13' deep open channel improvements in Moccasin Road from Ft. Apache Road to Squirrels Nest Street. Design is programmed in FY 17/18 and construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$13.2 million for this project.

Total Programmed First Year: \$ 10,877,102 Total Eligible First Year: \$121,035,009

North Las Vegas (Lower Northern Las Vegas Wash, Range Wash, and Lower Las Vegas Wash Planning Areas):

Lower Northern Las Vegas Wash – Fifth Street Collector – Centennial Parkway to Deer Springs (PV = 80.0)

LV5C 0000, 0002 – This project consists of reinforced concrete box culvert ranging in size from 10' x 6' to 15' x 6' in North Fifth Street from Deer Springs Way to Centennial Parkway. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$4.5 million for this project.

Range – Lower Range – Orchard Collector – Charleston Boulevard to Linden Avenue (PV = 86.5)

SLOR 0158 – This project consists of a soil cement lined levee that will extend south from the Linden Avenue alignment to Charleston Boulevard along the base of Sunrise Mountain. This facility will collect flows draining east off the mountain and convey them south to the Orchard Detention Basin located south of Charleston Boulevard. Design is underway. Construction funding is programmed in FY 17/18. FY 2018 eligible funding is approximately \$0.25 million for this project.

Range – Lower Range – Owens Detention Basin & Outfall (PV = 78.0)

SLWA 0130 through 0175 and SLOW 0000, 0005 – This project consists of an 88 acrefoot detention basin, spillway, collection facilities and an outfall pipe ranging in size from 24" to 48" in diameter located east of Hollywood Boulevard and south of Owens Avenue. Design is programmed in FY 17/18 and Right-of-Way Acquisition is programmed in FY 18/19. Construction funding is programmed in FY 20/21. FY 2018 eligible funding is approximately \$0.90 million for this project.

Range – West Range – Beltway Detention Basin & Channel (PV = 86.5)

RWRR 0107 through 0261 and RWBE 0000 – This project consists of a 226 acre-foot detention basin, spillway, an outfall structure consisting of a 24" diameter reinforced concrete pipe, 6' x 6' reinforced concrete box culvert at Centennial Parkway, and rip rap collection channels located along the west side of the Union Pacific Railroad and the north side of the northern Beltway from the Union Pacific Railroad to Lamb Boulevard. Design is underway. Right-of-Way Acquisition is programmed in FY 17/18 and construction funding is programmed in FY 22/23. FY 2018 eligible funding is approximately \$0.70 million for this project.

Range – West Range – Range Wash – Beltway Conveyance (PV = 77.0)

RWBW 0030 and RWWE 0493 and 0517 – This project consists of open channel improvements on the north side of the CC 215 Beltway from just west of Lamb Boulevard to approximately 1,400 feet east of Pecos Road and from Losee Road to approximately 1,400 feet west of Pecos Road. Design and Right-of-Way Acquisition are programmed in FY 17/18. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$2.6 million for this project.

Range – West Range – Vandenberg North Detention Basin, Collection & Outfall (PV = 85.5)

RWWE 0352, 0397 through 0439 – This project includes a 290 acre-foot detention basin and spillway located at Centennial Parkway and Pecos Road with associated collection channels extending east of the basin, 24" reinforced concrete outfall pipe in Pecos Road to Centennial Parkway and 8' x 7' reinforced concrete box culvert from approximately 700 feet north of Azure Avenue to Tropical Parkway. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$25.7 million for this project.

Range - West Range - Beltway Collection System - Pecos (PV = 82.0)

RWWE 0463 and RWBW 0000 – This project consists of a 12' x 9' and a 9' x 6' reinforced concrete box culvert located along the north side of the Northern Beltway at Pecos Road. Design is programmed in FY 17/18 and construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$6.5 million for this project.

Range – East Range – Hollywood System, Dunes South Detention Basin to Centennial Parkway (PV = 93.0)

RWHW 0000 thru 0277 – This project consists of reinforced concrete box culvert ranging in size from 9' x 8' to 12' x 10' in Hollywood Boulevard from Centennial Parkway to Las Vegas Boulevard, and gabion and concrete lined open channel improvements within Nellis Airforce Base from Las Vegas Boulevard to future Dunes South Detention Basin. Design is underway. Construction funding is programmed in FY 18/19. FY 2018 eligible funding is approximately \$27.5 million for this project.

Range – East Range – Range Wash – Ann Branch (PV = 79.5)

RWAN 0000, 0050 – This project consists of 10' x 7' reinforced concrete box culvert in Tropical Parkway between Beesley Drive and Mt. Hood Street, in Mt. Hood Street from Tropical Parkway to Ann Road, and in Ann Road from Mt. Hood Street to Hollywood Boulevard. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$11.6 million for this project.

Range - East Range - Hollywood System, Centennial Parkway to Speedway #2 Detention Basin (PV = 86.0)

RWHW 0300 through 0412 – This project consists of upgrading two existing retention basins to detention basins with volumes of 77 acre-feet and 245 acre-feet, respectively; open channel improvements, 78" diameter reinforced concrete pipe crossing I-15 at Hollywood Boulevard, and 9' x 8' reinforced concrete box culvert from I-15 to Centennial Parkway. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$5.3 million for this project.

Total Programmed First Year: \$ 2,165,000 Total Eligible First Year: \$85,503,200

Clark County (Las Vegas Valley)

(Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Areas):

Tropicana/Flamingo – Airport Channel – Naples (PV = 87.0)

TRMC 0013, 0031, and 0033 – This project consists of open channel improvements from Harmon Avenue to Tropicana Avenue and 120 acre-feet Tropicana Wash – McCarran Airport Offline Detention Basin. Design is underway. Construction funding is programmed in FY 17/18. FY 2018 eligible funding is approximately \$9.6 million for this project.

Tropicana/Flamingo – Flamingo Wash, Industrial Road to Hotel Rio Drive (PV = 83.5)

FLWA 0893 and 0896 – This project consists of open (gabion) channel improvements in Flamingo Wash from the Union Pacific Railroad to Hotel Rio Drive. Design is underway. Construction funding is programmed in FY 17/18. FY 2018 eligible funding is approximately \$1.4 million for this project.

Tropicana/Flamingo – Tropicana Avenue Conveyance – Las Vegas Wash to Morris Street (PV = 81.0)

LV01 0001 through 0135 – This project includes a reinforced concrete box culvert, reinforced concrete pipe and trapezoidal concrete channel of varying sizes along Tropicana Avenue extending from Morris Street to the Las Vegas Wash. Design is underway. Additional design is programmed in FY 18/19, and construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$29.3 million for this project.

Duck Creek/Blue Diamond - Duck Creek Jones Boulevard (PV = 91.0)

DCJB 0000, 0043 – This project consists of 7'x 6' and 12' x 6' reinforced concrete box culvert from Irvin Avenue to Pyle Avenue to be constructed as part of Regional Transportation Commission of Southern Nevada *Jones* – *Cactus to Blue Diamond* project. Design is underway. Construction funding is programmed in FY 18/19. FY 2018 eligible funding is approximately \$2.2 million for this project.

Duck Creek/Blue Diamond – Silverado Ranch Detention Basin and Outfall Facilities (PV = 82.5)

BD02 0125 through 0312, 0359 and 0385 – This project consists of 6' x 8' and 12' x 8' reinforced concrete box culvert in Decatur Boulevard from Frias Avenue to Le Baron Avenue, a 14' x 8' reinforced concrete box culvert inflow facility in Le Baron Avenue, a 170 acre-foot detention basin (Silverado Ranch Detention Basin), located south of Silverado Ranch Boulevard and west of Arville Street, a 72" reinforced concrete pipe outlet extending from the detention basin to Silverado Ranch Boulevard, an 84" reinforced concrete pipe in Silverado Ranch Boulevard from Arville Street to Dean Martin Drive, 9' x 6' reinforced concrete box culvert in Dean Martin Drive and Gary Avenue from Silverado Ranch Boulevard to the I-15, and open channel improvements

along the west side of I-15 from the Meranto Avenue to Gary Avenue alignments. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible funding is approximately \$22.0 million for this project.

Duck Creek/Blue Diamond - Blue Diamond Channel 02, Decatur - Le Baron to Richmar (PV = 92.0)

BD02 0334, 0358 – This project consists of 8' x 6' reinforced concrete box culvert within Decatur Boulevard from Richmar Avenue to Le Baron Avenue. The facility will collect runoff from the west and discharge to the future Silverado Ranch Detention Basin. The facility will be designed and constructed as part of the Regional Transportation Commission of Southern Nevada Decatur, Cactus to Warm Springs project. Design is underway. Construction funding is programmed in FY 17/18. FY 2018 eligible funding is approximately \$3.5 million for this project.

Duck Creek/Blue Diamond - Blue Diamond Wash Railroad (PV = 79.0)

BDW5 0026 – This project will focus on early right-of-way acquisition for future channel improvements adjacent to a Union Pacific Railroad spur that extends from Blue Diamond Road to Rainbow Boulevard. Right-of-Way Acquisition is programmed in FY 17/18 and design is programmed in FY 19/20. Construction funding is programmed in FY 22/23. FY 2018 eligible funding is approximately \$0.30 million for this project.

Duck Creek/Blue Diamond – Duck Creek Wash, Torrey Pines to Rainbow (PV = 91.5)

DCWA 1775, 1803, and 1827 – This Developer Participation project consists of open channel improvements in Duck Creek Wash from Rainbow Boulevard to just east of Torrey Pines Drive. Construction funding is programmed in FY 17/18. TFY 2018 eligible funding is approximately \$0.60 million for this project.

Duck Creek/Blue Diamond – Duck Creek Haven Street (PV = 91.0)

DCHV 0026, 0050, 0057 – This project consists of reinforced concrete box culverts ranging in size from 8' x 5' to 10' x 5' in Haven Street from Pyle Avenue to Cactus Avenue. Design is underway. Construction funding is programmed in FY 18/19. FY 2018 eligible funding is approximately \$4.0 million for this project.

Clark County (Outlying Areas):

The projects proposed on the TYCP for the Outlying Areas of Clark County include the following:

Goodsprings - Goodsprings - Phase I

GSEA 0000, GSPA 0027 and 0029, and GSRV 0019 – This project consists of a riprap channel in Pacific Street and Revere Street discharging to the natural watercourse on the north side of Goodsprings. Design is underway. Right-of-Way Acquisition and

construction funding are programmed in FY 17/18. The TYCP includes approximately \$0.85 million for this project.

Muddy River and Tributaries – Fairgrounds – Detention Basin (Whipple Street)
FGWS 0000 through 0166 – This project is a 130 acre-foot detention basin and outfall facility located north of the Clark County Fair Grounds near Whipple Avenue and Heyer Street. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$10.0 million for this project.

Muddy River and Tributaries - Muddy River - Cooper to Yamashita

MRLV 0395 through 0508 – This project consists of earthen channel improvements with grade control structures from Yamashita Street to approximately 800' south of Ramos Ranch. Design is underway. Right-of-way acquisition is programmed in FY 19/20 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$1.3 million for this project.

Laughlin - SR 163 at Casino Drive

LUBC 0000, 0001, 0006 and 0007 – This project consists of open channel and storm drain improvements along the south side of SR 163 beginning approximately 280' west of Casino Drive and continuing east to the Colorado River. Design is underway. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$1.2 million for this project.

Searchlight - South, Encinitas St. Storm Drain

SRSO 0000, 0010, 0021, 0030 – This project consists of a 72" diameter reinforced concrete storm drain in Encinitas Street extending from Nevada Street to Washington Street and continuing south in Washington Street to Hobson Street outletting to the natural wash on the southeast side of the town. Design is underway. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$2.5 million for this project.

Clark County (Las Vegas Valley) Programmed First Year:	\$15,375,407
Clark County (Las Vegas Valley) Eligible First Year:	\$72,874,462
Clark County (Outlying Areas) Programmed First Year:	\$ 4,594,197
Clark County (Outlying Areas) Eligible First Year:	\$15,949,594

Total Programmed First Year: \$19,969,604 Total Eligible First Year: \$88,824,056

Boulder City:

Hemenway – Hemenway System, Phase IIB Improvements

HMWA 0005, 0105 and HMLV 0006 – This project consists improvements to the Hemenway Channel system located along the north side of US-93 and concrete channel improvements located north of Fire Agate Drive, extending south approximately 700' from US-93. Design is underway. Construction funding is programmed in FY 17/18. FY 2018 eligible is approximately \$0.70 million for this project.

North Railroad - North Railroad Conveyance

NRIN 0010, 0031, 0062 – This project consists of a 12' wide by 5' deep concrete channel, 48' reinforced concrete pipe, and adds approximately 6.7 acre-feet of sediment/debris storage capacity to the existing North Railroad Detention Basin. Design is underway. Construction funding is programmed in FY 19/20. FY 2018 eligible is approximately \$1.7 million for this project.

Total Programmed First Year: \$ 729,416 Total Eligible First Year: \$2,382,542

Mesquite:

Town Wash - Town Wash - Mesa Boulevard, El Dorado to Town Wash

TWMB 0000 through 0044, and TOWA 0120 – This project includes open channel improvements and a 12' X 7' reinforced concrete box culvert extending from Town Wash to Eldorado Road. Design is programmed in FY 17/18 and construction funding is programmed in FY 20/21. FY 2018 eligible is approximately \$0.30 million for this project.

Town Wash - Town Wash Mesa Boulevard, El Dorado to Chaparral

TWMB 0052, 0084, 0094 – This project consists of a 7' X 7' reinforced concrete box culvert and a 60" diameter reinforced concrete pipe extending north and east from El Dorado Road to Chaparral Drive. Design is programmed in FY 17/18 and construction funding is programmed in FY 20/21. FY 2018 eligible is approximately \$0.40 million for this project.

Virgin River - Virgin River Flood Wall

VREC 0000, 0028, and 0054 – This project includes approximately 4,300 linear feet of 17' high flood wall along the eastern edge of the City of Mesquite near Old Mills Road and Mesquite Boulevard. Design is underway. Construction funding is programmed in FY 18/19. FY 2018 eligible is approximately \$3.3 million for this project.

Total Programmed First Year: \$ 685,634 Total Eligible First Year: \$4,013,502

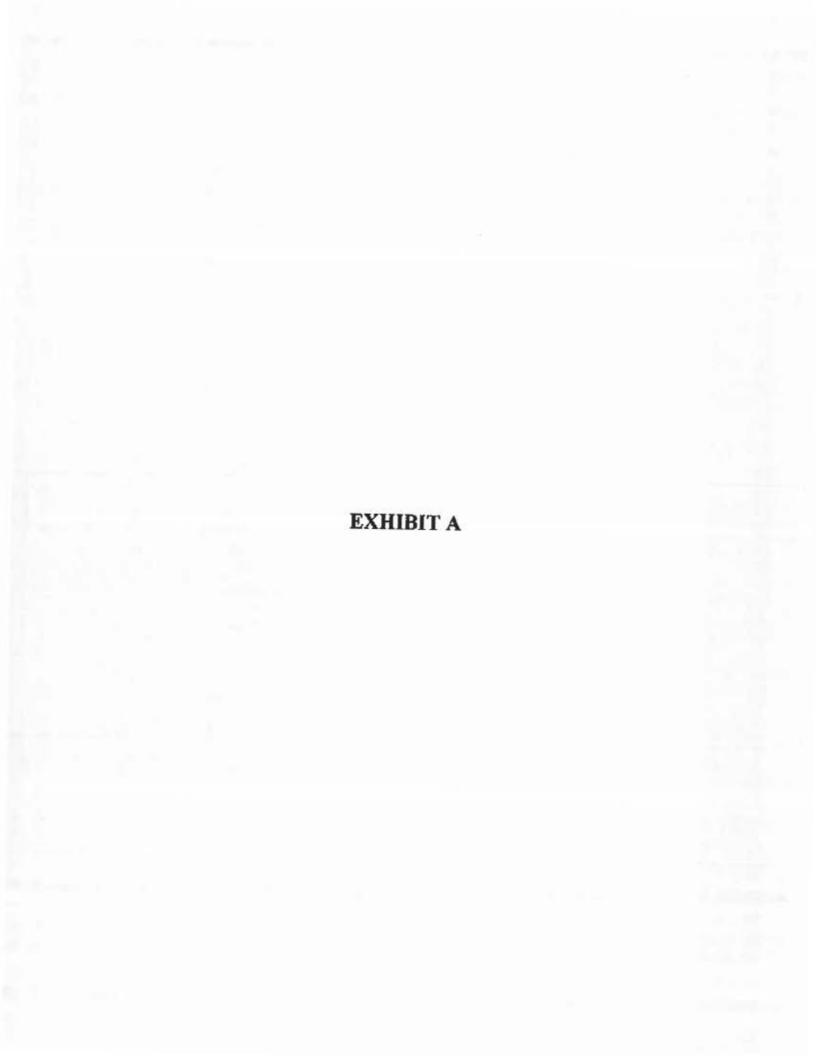


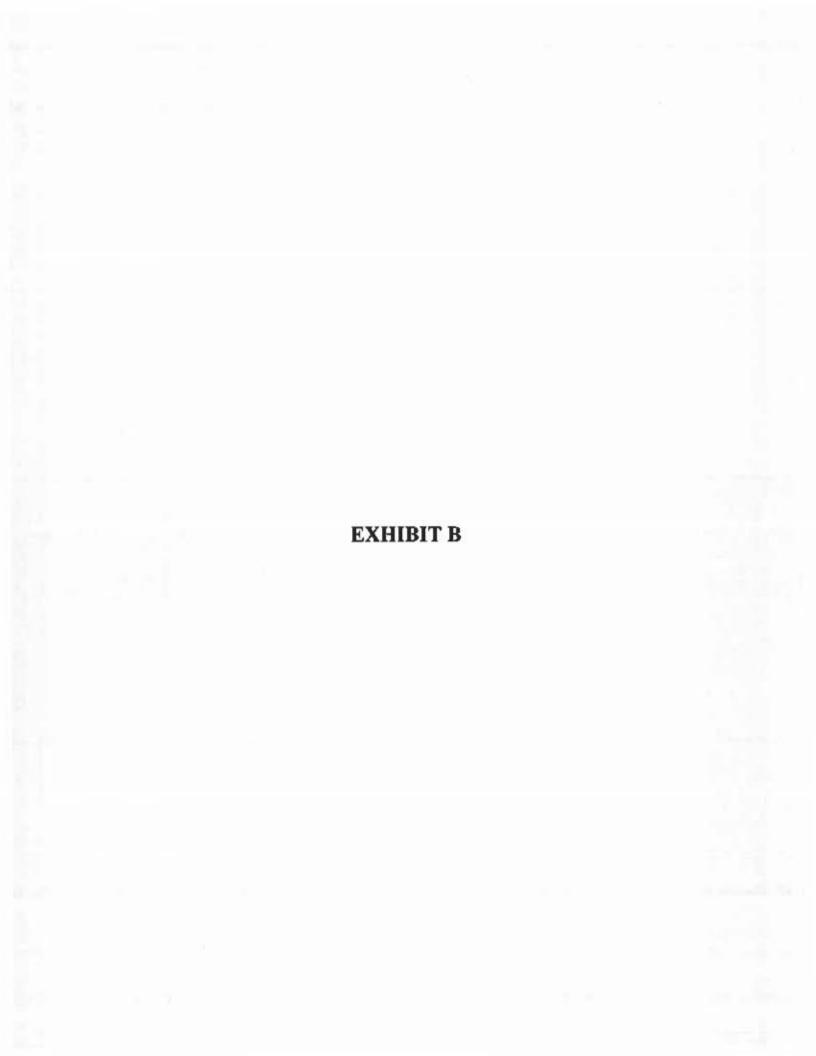
EXHIBIT A

PROGRAMMING PERCENTAGES

Planning Area	Current MPU Total Costs (a)	Percent of Total Planning Area
Henderson:	•	
C-1	\$33,164,068	1.83%
Pittman	\$118,051,220	6.52%
Sub-total	\$151,215,288	8.35%
Las Vegas		
Central	\$395,297,740	21.82%
Gowan	\$158,747,407	8.76%
Upper Northern L V Wash	\$146,916,284	8.11%
Sub-total	\$700,961,431	38.70%
North Las Vegas	*	
Lower Northern L V Wash	\$141,545,513	7.81%
Range	\$179,731,909	9.92%
Lower L V Wash	\$26,866,588	1.48%
Sub-total	\$348,144,010	19.22%
Clark County		
Duck Cr/Blue Diamond	\$201,718,434	11.14%
Tropicana/Flamingo	\$131,106,775	7.24%
Outlying Areas	\$203,795,533	11.25%
Sub-total	\$536,620,742	29.62%
Baulday Oita		
Boulder City :	\$25 252 1.42	1.95%
Sub-total	\$35,363,142	
Sub-total	\$35,363,142	1.95%
Mesquite:		
Mesquite	\$39,145,652	2.16%
Sub-total	\$39,145,652	2.16%

Notes:

⁽a) Cost of remaining Category A facilities from applicable Master Plans as of 1/21/14



				P	riority Facto	r and Weig	ht				
	Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M	Priori
	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	Valu
30.00	(CITY C	F HE	NDER	SON						
		DROGE	APHIC	BASIN:	PITTM	AN					
PAOJECT: Pittman North Detention Basin a	and Outfall		ALL PRODUCTION							10-20	
PTNO 0180 thru 0182	20.0	18.0	16.0	14.0	9.0	7.5	6.0	3 4.5	3.0	1.0	99.0
PROJECT: Anthem Parkway Channel - Hori	zon Ridge t	o Sienna h	eights								
PTAP 0018	20.0	18.0	16.0	14.0	9.0	7.5	6.0	4.5	3.0	1.0	99.0
PROJECT: Whitney Wash Channel	et (= populary)					0.0					
WWDC 0069	20.0	13.5	16.0	7.0	9.0	10.0	6.0	3 4.5	4.0	1.5	91.5
PROJECT: Pittman North Detention Basin (encer	i de la companya de l							
PTNO 0000 thru 0073	20.0	18.0	16.0	10.5	3 9.0	5.0	6.0	3.0	3.0	1.5	92.0
PROJECT: Pittman North Detention Basin t			errogero — III								
PTSD 0000 thru 0043	15.0	18.0	12.0	10.5	9.0	5.0	8.0	4.5	2.0	1.0	85.0
PROJECT: Galleria to Boulder Hwy.	T 01	AI .		T 0T				al I	- T		-
PTSU 0000 & 0023	15.0	3 13.5	3 12.0	10.5	9.0	7.5	8.0	4.5	3.0	1.5	84.5
PROJECT: Pittman, Larson Lane - Las Vega								New Addition 1831			
PTLA 0000 thru 0126	15.0	18.0	12.0	10.5	9.0	5.0	8.0	3.0	3.0	1.0	84.5
PROJECT: Warm Springs Rd. to Lake Mean		the same of the sa		T al		- 1	- al T	a) T	- AT - T		
PTPA 0261 thru 0325	15.0	13.5	12.0	10.5	2 6.0	5.0	6.0	4.5	3.0	1.5	77.0
PROJECT: Pittman Wash, Eastern to Peco		- al	- 1					al 1	- AT T		
PTWA 0346 thru 0486	3 15.0	13.5	12.0	10.5	6.0	5.0	6.0	4.5	3.0	1.5	77.0
	H,	YDROG	RAPHIC	BASIN	: C-	1					
PROJECT: C-1 Channel, SNWA Drop Struct											-
C1CH 0161,0173, 0204	20.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	2.0	1.5	86.5
PROJECT: Cadiz Storm Drain - Racetrack T											
C1CA 0000	20.0	3 13.5	12.0	3 10.5	9.0	7.5	6.0	4.5	2.0	1.0	86.0
PROJECT: Burkholder to Warm Springs (La									No.		
C1LM 0141, 0144, 0156,0158,0182, 0184	20.0	13.5	12.0	3 10.5	9.0	7.5	4.0	4.5	1.0	1.0	83.0
PROJECT: Four Kids Wash - Lake Mead to							tille Addison		5,6		
C1FK 0040	20.0	13.5	12.0	10.5	9.0	7.5	2 4.0	3.0	1,0	0.5	81.0

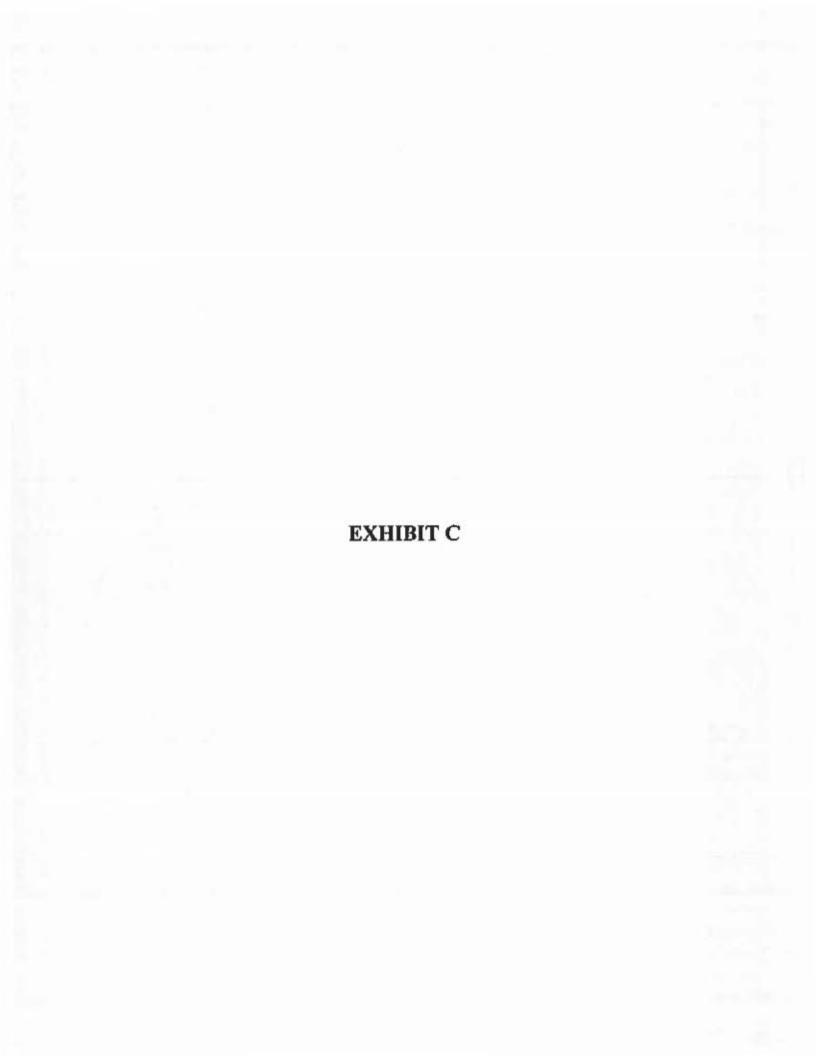
					Priority Facto	or and Weig	pht				
	Pop.	Land	Public	7	7	Funding				MAO	Prior
	5.0	-			reference of the second	2.5	2.0	1.5	1.0	0.5	Val
		CITY	OF LA	IS VE	GAS						
	HY	DROGE	RAPHIC	BASIN:	CENTR	AL					
PROJECT: Flamingo - Boulder Highway No		er Hwy, Sa	hara to Ch	arleston				2.00			
FLBN 0038	20.0	18.0	12.0	10.5	9.0	3 7.5	6.0	4.5	1.0	1.5	90
PROJECT: Las Vegas Wash - Slewart to B		1 10.0	1,2.0	10.5	0.0		0.0	4.5	1.0	1.0	_
LVMD 1121 & 1149	20.0	18.0	12.0	10.5	9.0	7.5	6.0	3.0	1.0	1.0	88
PROJECT: Cedar Avenue Channel Improve		16.0	12.0	10.5			0.0	3.0	1.0	1.0	
CACN 0001 & 0035, CNST 0000	20.0	18.0	12.0	10.5	9.0	5.0	2	3	3	3	87
PROJECT: Flamingo - Boulder Hwy North,					kway and N				3.0	1.5	
FLBN 0167, 0180, 0205, & FLMP 0000	4	4	3	3	3	2	2	3	2	3	86
PROJECT: Flamingo - Boulder Hwy. North.	20.0 Charlesto	18.0 n - Main to	12.0 Maryland	10.5	9.0	5.0	4.0	4.5	2.0	1.5	
FLBN 0281, 0312	4	4	3.	3	3	3	2	2	1	2	86
PROJECT: Freeway Channel - Washington.	20.0	18.0 Valley Vie	12.0	10.5	9.0	7.5	4.0	3.0	1.0	1.0	
LV15 0528	4	4	3	3	3	3	2	3.0	1	1	85
PROJECT: Owens Avenue East - LV Wash	20.0	18.0	12.0	10.5	9.0	7.5	4.0	3.0	1.0	0.5	-
LVOE 0000	4	3	4	3	3	2	2	3	2	1	85
PROJECT: Las Vegas Wash - Bonanza - La	20.0	13.5	16.0	10.5	9.0	5.0	4.0	4.5	2.0	0.5	
LVBZ 0000	4	3	3	3	3	2	2	3	2	3	82
PROJECT: Flamingo - Boulder Hwy. North,	20.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	2.0	1.5	
FLBN 0342	4	3	3	3	2	3	2	3	3	2	82
PROJECT: Meadows - Charleston, Essex to	20.0	13.5	12.0	10.5	6.0	7.5	4.0	4.5	3.0	1.0	
MECN 0000, 0061	41	3	3	3	3	5.0	2	3	2.0	2	61
PROJECT: Owens Avenue East - Mojave to	20.0 Eastern	13.5	12.0	10.5	9.0	5.0	4.0	4.5	2.0	1.0	
LVOE 0085	4	3	3	3	3	2	2	3	2.0	2	81
PROJECT: Las Vegas Wash - Bonanza - La	20.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	2.0	1.0	
LVBZ 0064, 0114	3	13.5	3	3	3	3	2	3	1	3	78
PROJECT: Boulder Highway Sahara Avenu	15.0		12.0	10.5	9.0	7.5	4.0	4.5	1.0	1.5	,,,
BHSA 0000, 0026	3	3	4	3	3	2	2	3.0	1	2	78
PROJECT: Sahara Avenue - Eastern Lateral	15.0	13.5	16.0	10.5	9.0	5.0	4.0	3.0	1.0	1.0	,,,
SAEA 0000	3	_3	3	3	3	2	2	3	1	3	76
PROJECT: Meadows - Charleston, Lindell to	15.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	1.5	10
MECN 0123, 0223	3	3	3	3	3	2	2	3	1	2	75.
	15.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	1.0	/3
PROJECT: Boulder Highway Sahara Avenue	3	3	3	3	3	_ 2	2	3	1	3	76.
BHSA 0075	15.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	1.5	/0
PROJECT: Freeway Channel - Washington, LV15 0602	4	3	3	2	2	2	2	3	2	2	75.
	20.0	13.5	12.0	7.0	6.0	5.0	4.0	4.5	2.0	1.0	/3
PROJECT: Boulder Highway Sahara Avenue BHSA 0175	3	3	3	3	_3	2	2	3	1	1	75
DNSA U1/S	15.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	0.5	75.

				P	riority Fact	or and We	ight				
	Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M	Priori
	5.0	4.5	4.0	3.5	3.0	2.	5 2.0	1.5	1.0	0.5	Valu
2000		ROGRA		BASIN:	GOV	VAN					
PAOJECT: Gowan North - El Capitan Bran											,
GOEC 0000 thru 0076	20.0	18.0	12.0	10.5	6.0	7.5	6.0	6.0	3.0	1.5	90.
PROJECT: Gowan Box Canyon - Lone Mo											
GOBX 0015	20.0	18.0	12.0	10.5	6.0	7.5	6.0	6.0	3.0	1.0	90.0
PROJECT: Gowan Outfall - Alexander Rd.,											
GOOF 0275, 0285, 0325, 0375	20.0	18.0	12.0	10.5	6.0	7.5	6.0	6.0	2.0	1.0	89.0
PROJECT: Gowan - Alexander Rd., Ranch						militare .	-	-077 - 1/10			
GOAL 0000	20.0	18.0	12.0	10.5	6.0	7.5	6.0	6.0	1.0	0.5	87.
PROJECT: Gowan Outfall - El Capitan Bra											
GOEC 0100 thru 0176	20.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	3.0	1.0	87.0
PROJECT: Gowan - Rancho, Craig to Alex	ender										
GOAL 0100, 0111	19.0	18.0	12.0	10.5	6.0	7.5	6.0	4.5	2.0	1.0	86.5
PROJECT: Gowan - Alexander Branch					2.00						
GOA2 0000	20.0	3 13.5	12.0	10.5	9.0	7.5	6.0	4.5	2.0	1.0	86.0
PROJECT: Gowan - Craig and US-95											_
GOAL 0168, 0247	20.0	3 13.5	12.0	10.5	9.0	7.5	6.0	4.5	1.0	1.0	85.0
PROJECT: Gowan Outfall - Clayton Branch											_
GOCL 0000	20.0	13.5	3 12.0	10.5	2 6.0	5.0	6.0	4.5	1.0	1.0	79.5
HYDROG	RAPHIC	BASIN:	UPPER	NORTH	IERN L	AS VE	AW ZAE	SH		_	
PROJECT: Las Vegas Wash - Moccasin, S	kye Canyon	Park to So	uirrels Ne	st		97-1-1-1-1-1-1-1					
LVMO 0000	20.0	13.5	16.0	10.5	9.0	7.5	8.0	4.5	1.0	1,5	89.
PROJECT: Rancho Road System - Elkhorn	, Grand Can	yon to Hut	Ispai								
ACHB 0295	20.0	13.5	16.0	10.5	30	3 -	6.0	3 45	_1,	3	89.5

	Pop. 5.0	Land 4.5	Public 5 4.1	Access 3.5	_		_	n. Implem. .0 1.		O&M 0.9	- 44
2000	CIT	VOE	NODT	H LAS	VEG	AC	-day				٥
									_		
HYDROGI PROJECT: Fifth Street Collector - Centenni			LOWE	R NORT	HERN	LAS VE	GAS W	ASH			
LV5C 0000, 0002	4	3	3	3	3	2	2	2	2	2	
PROJECT: Lake Meed Drain to Las Vegas	20.0	13.5	12.0	10.5	9.0	5.0	4.0	3.0	2.0	1.0	
LVLE 0000, 0047	4	3	3	3	6.0	2	2	2	2	2	١
PROJECT: North Las Vegas Detention Bas	20.0	13.5	12.0	10.5	6.0	5.0	4.0	3.0	2.0	1.0	
LVUP 0406	3	3	3	3	3	2	2	_2	2	2	•
PROJECT: Las Vegas Boulevard Drain	15.0	13.5	12.0	10.5	9.0	5.0	4.0	3.0	2.0	1.0	
LVLV 0000	15.0	3	3	3 10.5	<u>2</u>	2 50	4.0	2 30	2	3	
	-	YDROG	16.0	The Real Property lies and the least lies and the lies and the lies and the least lies and the least lies and the lies and t	RANG		1 4.0	1 3.0	20	. 1.5	•
PROJECT: Hollywood System, Dunes Sout											
RWHW 0000 thru 0277	20.0	18.0	12.0	10.5	9.0	7.5	6.0	6.0	3.0	1.0	•
PROJECT: Orchard Collector - Charleston	to Linden										i
SLOR 0158	3	4	3	3	4	7.5	2	3	2	2	
PROJECT: Beltway Detention Basin & Cha	15.0	18.0	12.0	10.5	12.0	7.5	4.0	4.5	2.0	1.0	
RWRR 0107 thru 0261 & RWBE 0000	3	4	_ 3	10.5	9.0	10.0	3	3.0	2	2	
PROJECT: Hollywood System, Centennial	15.0 kwy to Sp	18.0	12.0		9.0	10.0	6.0	3.0	2.0	1.0	
RWHW 0300 thru 0412	3	3	4	4	3	2	3	3	2	2	•
PROJECT: Vandenberg North Detention Ba	15.0 sin. Collect	13.5 tion & Out	16.0	14.0	9.0	5.0	6.0	4.5	2.0	1.0	
RWWE 0352, 0397 thru 0439	3	4	3	3	3	_2	3	4	3	2	
	15.0	18.0	12.0	10.5	9.0	5.0	6.0	6.0	3.0	1.0	
PROJECT: Beltway Collection System - Per	3	3[1 31	3	1 4	3	2	[3]	2 1	2	
RWWE 0463 & RWBW 0000	15.0	13.5	12.0	10.5	12.0	7.5	4.0	4.5	2.0	1.0	
PROJECT: Range Wash - Ann Branch	3	3	3	3	3	1 31	1 31	1 21	2	2	
RWAN 0000, 0050	15.0	13.5	12.0	10.5	9.0	7.5	6.0	3.0	2.0	1.0	
PROJECT: Owens Detention Basin & Outla SLWA 0130 thru 0175 &	3	3	3	3	[4]	1 21	2	2	1 21 1	2	
SLOW 0000, 0005	15.0	13.5	12.0	10.5	12.0	5.0	4.0	3.0	2.0	1.0	
PROJECT: Range Wash - Beltway Conveys	3	31	3	3	3	1 2	3	2	2	2	
RWBW 0030, RWWE 0493 & 0517	15.0	13.5	12.0	10.5	9.0	5.0	6.0	3.0	2.0	1.0	
PROJECT: Range Wash - Dunes South Dete											1
RWEA 0163, 0164, 0165, 0166 & 0192	15.0	13.5	12.0	7.0	9.0	5.0	6.0	4.5	2.0	1.0	
PROJECT: Speedway North Detention Basi		ill			100000000000000000000000000000000000000						
RWHW 0459, 0498, 0499, 0500	15.0	13.5	12.0	7.0	9.0	5.0	4.0	3	2.0	1.0	
PROJECT: Range Wash - Alto Conveyance,	Confluenc	e DB to Lo	s Feliz		************					- 700	
RWAL 0000, 0068	15.0	13.5	12.0	7.0	9.0	5.0	4.0	3.0	2.0	1.0	
PROJECT: Range Wash - Sloan Channel, Si			12.0	1 /.0	8.0	3.0	1 7.0	1 3.0	2.0	1.0	
RWSL 0188	3	3	3	2	2	2	2	2	2	2	•
	15.0	13.5	12.0	7.0	6.0	5.0	4.0	3.0	2.0	1.0	
PROJECT: Las Vegas Boulevard Storm Dra	3	3	3	21	2	2	2	2	2 [1]	

EXHIBIT BProject Prioritization

						r and Weig			-		
	Pop. 5.0	Land 4.5	Public 4.0	Access 3.5	-	Funding 2.5	Helation.	Implem.	Env. 1.0	O&M 0.5	Priority Value
		CL	ARK C	COUNT	Υ						
	HYDRO	GRAPH	C BASI	N: Trop	icana/ F	lamingo)			0.00	
PROJECT: Airport Channel - Naples	1 41	3	3	3	4	3	3	2	2	1	
TRMC 0013, 0031, 0033	20.0	13.5	12.0	10.5	12.0	7.5	6.0	3.0	2.0	0.5	87.0
PROJECT: Flamingo Wash - Industrial Rd.			1 2	1 - 61		1 7	47 1	- ar - t	a 1	2	
FLWA 0893 & 0896	15.0	13.5	12.0	10.5	3 9.0	3 7.5	8.0	3 4.5	2.0	1.5	83.5
PROJECT: Wagon Trail Channel - Sunset to	o Teco	31	3	3	3	3	3	2	3	3	
WGTR 0111	15.0	13.5	12.0	10.5	9.0	7.5	6.0	3.0	3.0	1.5	81.0
PROJECT: Tropicana Avenue Conveyance	- Las Vegas	3 Wash to	Morris 3	3	3	4	3 1	2	1	2	
LV01 0001 thru 0135	15.0	13.5	12.0	10.5	9.0	10.0	6.0	3.0	1.0	1.0	81.0
PROJECT: Flamingo Wash - Maryland to Pr FLWA 0621 & 0673	3	3 13.5	3	3	3	3 7.5	_3]	2	2]	1	79.0
PROJECT: Las Vegas Wash - Branch 02 - M	15.0		12.0	10.5	9.0	7.5	6.0	3.0	2.0	0.5	78.0
LV02 0001 thru 0294	3	3	3	3	3	5.0	3	2	2	3.	77.5
PROJECT: Tropicana Avenue Conveyance,	15.0 Morris to A	13.5 Aountain V	12.0	10.5	9.0	5.0	6.0	3.0	2.0	1.5	
LV01 0151	3 15.0	3 13.5	8.0	3 10.5	3 9.0	5.0	3 6.0	3.0	2.0	0.5	72.5
PROJECT: Flamingo - Cimarron Branch	15.0	911	8.0			5.0	6.0	3.0		U.5	
FLCM 0003, 0040	15.0	13.5	8.0	10.5	9.0	5.0	6.0	3.0	2.0	1.0	73.0
PROJECT: Flamingo Wash Maryland - UNL		13.5	8.0	10.5	9.0		6.0	3.0	2.0	1.0	
FLMR 0000	3 15.0	3 13.5	8.0	3 10.5	3 9.0	5.0	3	3.0	2.0	0.5	72.5
PROJECT: Las Vegas Wash - Christy						10000	V		2.0	0.5	
LVCH 0000, 0114	15.0	13.5	8.0	10.5	9.0	5.0	6.0	3.0	2.0	0.5	72.5
PROJECT: Vegas Valley Drive - Flamingo \	Wash to Per	08									
VAVD 0000 & 0025	15.0	13.5	12.0	7.0	3 9.0	7.5	4.0	1.5	2.0	0.5	72.0
PROJECT: Blue Dismond - Buffalo Branch	[3]	3	3	3	3	2	1 1	2	1	1	
BDBF 0010, 0076, 0125	15.0	13.5	12.0	10.5	9.0	5.0	2.0	3.0	1.0	0.5	71.5
PROJECT: Las Vegas Wash - Boulder High				DESCRIPTION OF THE PERSON OF T				VARI			
LV8H 0000	3	3	2	3	9.0	2.5	6.0	_2	2	_1	70.0
LIVI	DROGR/	13.5	8.0 A CINA	10.5	2000			3.0	2.0	0.5	
PAOJECT: Blue Diamond Channel 02, Deca				Duck Cr	eekblu	e Diamo	na				
BD02 0334, 0358	4	3	3	3	3	4	6.0	6.0	3	4	92.0
PROJECT: Duck Creek Wash, Torrey Pines	20.0 to Rainbow	13.5	12.0	10.5	9.0	10.0	6.0	6.0	3.0	2.0	
A	3	3	4	1 0						2.0	
DCWA 1775, 1803, 1827				3 10.5	4	3_	4	3	3	3]	91.5
	15.0	13.5	16.0	10.5	12.0	7.5	8.0	4.5	3.0	3 1.5	91.5
							4 8.0	3 4.5	3 3.0	3]	91.5 91.0
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043	15.0 15.0	13.5 3 13.5	16.0 4 16.0	10.5 10.5	12.0 4 12.0	7.5 3 7.5	8.0 4 8.0	4.5 3 4.5	3 3.0	3 1.5 2 1.0	
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043	15.0	13.5	16.0	10.5	12.0	7.5	8.0	4.5	3.0	3 1.5	
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0050, 0057 PROJECT: Blue Diamond Wash - Arville to	15.0 15.0 15.0 15.0	13.5 13.5 13.5	16.0 16.0 16.0	10.5 10.5 10.5	12.0 4 12.0 4 12.0	7.5 3 7.5 3 7.5	8.0 8.0 4 8.0	4.5 3 4.5 3 4.5	3.0 3.0 3.0 3.0	3 1.5 2 1.0	91.0
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0050, 0057 PROJECT: Blue Diamond Wash - Arville to BDWA 0276	15.0 15.0 15.0 15.0 15.0	13.5 13.5 13.5 3 13.5	16.0 4 16.0 4 16.0 3 12.0	3 10.5 10.5	12.0 4 12.0	7.5 3 7.5	8.0 4 8.0	4.5 3 4.5	3.0	3 1.5 2 1.0	91.0
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0050, 0057 PROJECT: Blue Diamond Wash - Arville to BDWA 0276 PROJECT: Silverado Ranch Detantion Basi	3 15.0 15.0 15.0 15.0 15.0	13.5 13.5 13.5 13.5 13.5	16.0 4 16.0 4 16.0 3 12.0	3 10.5 3 10.5 3 10.5 3 10.5	12.0 4 12.0 4 12.0 3 9.0	7.5 3 7.5 3 7.5 3 7.5	8.0 4 8.0 4 8.0 3 6.0	3 4.5 3 4.5 3 4.5 4.5	3.0 3.0 3.0 3.0 3.0	3 1.5 2 1.0 2 1.0	91.0 91.0 83.0
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0050, 0057 PROJECT: Blue Diamond Wash - Arville to BDWA 0276 PROJECT: Silverado Ranch Detention Basic BD02 0125 thru 0312 & 0359 and 0385	3 15.0 15.0 15.0 15.0 15.0 15.0 15.0	13.5 13.5 13.5 13.5 13.5 11 Facilities	16.0 4 16.0 3 12.0	10.5 10.5 10.5	12.0 4 12.0 4 12.0	7.5 3 7.5 3 7.5	8.0 8.0 4 8.0	4.5 3 4.5 3 4.5	3.0 3.0 3.0 3.0	3 1.5 2 1.0	91.0
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0057 PROJECT: Blue Diamond Wash - Arville to BDWA 0276 PROJECT: Silverado Ranch Detention Basi BD02 0125 thru 0312 & 0359 and 0385 PROJECT: Duck Cr. / Blue Diamond, Bermu	3 15.0 15.0 15.0 15.0 n and Outfa 3 15.0 da to Las V	13.5 13.5 13.5 13.5 13.5 11 Facilities 3 13.5	16.0 4 16.0 3 12.0	3 10.5 3 10.5 3 10.5 3 10.5 3 10.5	12.0 4 12.0 4 12.0 3 9.0	7.5 3 7.5 3 7.5 3 7.5	8.0 4 8.0 4 9.0 3 6.0	4.5 3 4.5 3 4.5 3 4.5	3.0 3.0 3.0 3.0 3.0 3.0	3 1.5 2 1.0 2 1.0	91.0 91.0 83.0 82.5
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0050, 0057 PROJECT: Blue Diamond Wash - Arville to BDWA 0276 PROJECT: Silverado Ranch Detention Basil BD02 0125 thru 0312 & 0359 and 0385 PROJECT: Duck Cr. / Blue Diamond, Bermu DCBD 0075, 0082 & 0084	15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	13.5 3] 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5	16.0 4 16.0 3 12.0 3 12.0	3 10.5 3 10.5 3 10.5 10.5 10.5	12.0 4 12.0 4 12.0 3 9.0	7.5 3 7.5 3 7.5 3 7.5	8.0 4 8.0 4 8.0 3 6.0	3 4.5 3 4.5 3 4.5 3 4.5	3.0 3.0 3.0 3.0 3.0	3 1.5 2 1.0 2 1.0 2 1.0 2 1.5 3 1.5	91.0 91.0 83.0
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0050, 0057 PROJECT: Blue Diamond Wash - Arville to BDWA 0276 PROJECT: Silverado Ranch Detention Basi BD02 0125 thru 0312 & 0359 and 0385 PROJECT: Duck Cr. / Blue Diamond, Bermu DCBD 0075, 0082 & 0084 PROJECT: Duck Creek Wash Tributary 4 -	15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	13.5 3 13.5 13.5 13.5 13.5 11 Facilities 3 13.5 egas Bivd 3 13.5 asin to Jo	16.0 4 16.0 16.0 3 12.0 3 12.0 12.0	3 10.5 3 10.5 3 10.5 3 10.5 3 10.5	12.0 4 12.0 12.0 3 9.0 3 9.0 3 9.0	7.5 3] 7.5 3] 7.5 3] 7.5 3] 7.5 3] 7.5	8.0 4 8.0 4 8.0 5 6.0 5 6.0 5 6.0 5 6.0 5 6.0 5 6.0 5 6.0 5 6.0 5 6.0 5 6.0	4.5 3 4.5 3 4.5 3 4.5	3.0 3.0 3.0 3.0 3.0 3.0 3.0 2.0	3] 1.5 2] 1.0 2] 1.0 4] 2.0 3] 1.5	91.0 91.0 83.0 82.5
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0050, 0057 PROJECT: Blue Diamond Wash - Arville to BDWA 0276 PROJECT: Silverade Ranch Detention Basis BD02 0125 thru 0312 & 0359 and 0385 PROJECT: Duck Cr. / Blue Diamond, Bermu DCBD 0075, 0082 & 0084 PROJECT: Duck Creek Wash Tributary 4 - 1 DCW4 0298	3 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	13.5 3 13.5 3 13.5 3 13.5 13.5 13.5 eges Blvd 3 13.5 asin to Jo	16.0 4 16.0 4 16.0 3 12.0 3 12.0	3 10.5 3 10.5 3 10.5 3 10.5 3 10.5	12.0 4 12.0 4 12.0 3 9.0 3 9.0	7.5 3 7.5 3 7.5 3 7.5 3 7.5 3 7.5 3 7.5	8.0 4 8.0 4 6.0 6.0 3 6.0 6.0	3 4.5 3 4.5 3 4.5 3 4.5 3 4.5 3 4.5	3.0 3.0 3.0 3.0 3.0 3.0 3.0 2.0	3] 1.5 2] 1.0 2] 1.0 4] 2.0 3] 1.5	91.0 91.0 83.0 82.5
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0050, 0057 PROJECT: Blue Diamond Wash - Arville to BDWA 0276 PROJECT: Sliverade Ranch Detention Basis BD02 0125 thru 0312 & 0359 and 0385 PROJECT: Duck Cr. / Blue Diamond, Bermu DCBD 0075, 0082 & 0084 PROJECT: Duck Creek Wash Tributary 4 - 1 DCW4 0298 PROJECT: Duck Creek, Sunset Park	3 15.0 15.0 15.0 n and Outfal 3 15.0 15.0 oda to Las V 3 15.0 Detention B 3 15.0	13.5 13.5 13.5 13.5 13.5 II Facilities 3 13.5 *egas Bived 3 13.5 *asin to Jo 3 13.5	16.0 4	10.5 3 10.5 3 10.5 3 10.5 3 10.5 3 10.5	12.0 4 12.0 12.0 3 9.0 3 9.0 3 9.0	7.5 3 7.5 3 7.5 3 7.5 3 7.5 3 7.5 3 7.5 2 2	6.0 4 6.0 3 6.0 3 6.0 2	4.5 3 4.5 3 4.5 3 4.5 3 4.5 4.5 2	3.0 3.0 3.0 3.0 3.0 3.0 2.0 2.0	3] 1.5 2] 1.0 2] 1.0 4] 2.0 3] 1.5 1 0.5	91.0 91.0 83.0 82.5 80.5
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0050, 0057 PROJECT: Blue Diamond Wash - Arville to BDWA 0276 PROJECT: Sliverado Ranch Detention Basi BD02 0125 thru 0312 & 0359 and 0385 PROJECT: Duck Cr. / Blue Diamond, Bermu DCBD 0075, 0082 & 0084 PROJECT: Duck Creek Wash Tributary 4 -	3 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	13.5 3 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5	16.0 4 16.0 16.0 3 12.0 3 12.0 12.0	10.5 31 10.5 10.5 31 10.5 31 10.5 31 10.5	12.0 4 12.0 4 12.0 3 9.0 3 9.0 3 9.0	7.5 3	6.0 6.0 6.0 3.3 6.0 6.0 6.0	4.5 3] 4.5 3] 4.5 3] 4.5 3] 4.5	3.0 3.0 3.0 3.0 3.0 3.0 2.0 2.0	3] 1.5 2] 1.0 2] 1.0 4] 2.0 3] 1.5	91.0 91.0 83.0 82.5
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0050, 0057 PROJECT: Blue Diamond Wash - Arville to BDWA 0276 PROJECT: Sliverade Ranch Detention Basis BD02 0125 thru 0312 & 0359 and 0385 PROJECT: Duck Cr. / Blue Diamond, Bermu DCBD 0075, 0082 & 0084 PROJECT: Duck Creek Wash Tributary 4 - 1 DCW4 0298 PROJECT: Duck Creek, Sunset Park DCSP 0000	3 15.0 15.0 n and Outfa 3 15.0 n and Outfa 3 15.0 n and Outfa 3 15.0 Detention B 3 15.0	13.5 3 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5	16.0 4	10.5 3 10.5 3 10.5 3 10.5 3 10.5 3 10.5	12.0 4 12.0 12.0 3 9.0 3 9.0 3 9.0 3 9.0 3 9.0	7.5 3] 7.5 3] 7.5 3] 7.5 3] 7.5 3] 7.5 2] 5.0	6.0 4 6.0 3 6.0 3 6.0 4.0	4.5 3] 4.5 3] 4.5 3] 4.5 3] 4.5 3] 4.5 3] 4.5	3.0 3.0 3.0 3.0 3.0 3.0 2.0 2.0 2.0	3] 1.5 2] 1.0 2] 1.0 4] 2.0 3] 1.5 1] 0.5 2] 1.0 1]	91.0 91.0 83.0 82.5 80.5
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 PROJECT: Duck Creek Haven Street DCHV 0026, 0050, 0057 PROJECT: Blue Diamond Wash - Arville to BDWA 0276 PROJECT: Sliverado Ranch Detention Basis BD02 0125 thru 0312 & 0359 and 0385 PROJECT: Duck Cr. / Blue Diamond, Bermu DCBD 0075, 0082 & 0084 PROJECT: Duck Creek Wash Tributary 4 - 1 DCW4 0298 PROJECT: Duck Creek, Sunset Park DCSP 0000 PROJECT: Blue Diamond Wash Railroad	3 15.0 15.0 15.0 15.0 15.0 15.0 15.0 15.0	13.5 3 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5 13.5	16.0 4 16.0 16.0 3 12.0 3 12.0 12.0 12.0	3 10.5 3 10.5 3 10.5 3 10.5 3 10.5 3 10.5 3 10.5	12.0 4 12.0 12.0 3 9.0 3 9.0 3 9.0 3 9.0	7.5 3 7.5 3	6.0 4 6.0 3 6.0 6.0 3 6.0 2 4.0	4.5 3] 4.5 3] 4.5 3] 4.5 3] 4.5 3] 4.5 2] 3.0	3.0 3.0 3.0 3.0 3.0 3.0 2.0 2.0	3] 1.5 2] 1.0 2] 1.0 4] 2.0 3] 1.5 1] 0.5	91.0 91.0 83.0 82.5 80.5



CITY OF HENDERSON 10-YEAR CONSTRUCTION PROGRAM

PTED					FIRST FI	VE YEARS 7/2017 THRU	6/2022			SECOND	FIVE YEARS 7/2022 TH	HRU 6/2027	
	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10)
	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
AL PLAN		Annual Resources	\$900,864,909	\$55,590,787	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,41
Unencumbered from previous year \$32,284,196	Cu	mulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508.205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$51,215,69
TY RESOURCES		Annual Resources	\$75,264,520	\$6,598,330	\$4,133,141	\$19,965,194	\$3,596,427	\$3,994,986	\$4,335,877	\$4,710,319	\$18,833,648	\$4,338,198	\$4,758,40
Unencumbered from previous year \$1,957,753	Cu	mulative Available Resources		\$6,598,330	\$10,731,471	\$8,370,580	\$8,339,257	\$10,725,776	\$1,318,249	\$1,017,893	\$3,989,904	\$4,756,113	\$447,657
ENTITY TOTAL	\$511,244,291	\$151,215,287	\$74,816,863	\$0	SO	\$22,326,085	\$3,627,751	\$1,608,467	\$13,743,403	\$5,010,675	\$15,861,637	\$3,571,989	\$9,066,8
DROGRAPHIC BASIN: PITTMAN	\$385,345,198	\$118,051,220	\$61,838,354	\$0	\$0	\$22,326,085	\$2,847,350	\$1,110,717	\$13,316,994	\$0	\$12,928,435	\$1,059,197	\$8,249,5
SYSTEM: Pittman Burns	\$62,860,544	\$16,710,795	\$6,948,722	\$0	\$0	\$0	\$0	\$389,636	\$0	\$0	\$6,559,086	\$0	\$0
PROJECT: Galleria to Boulder Hwy.			The second of	Carrie and									
Design/Admin	Design Started 09/10	\$331,728						\$41,740	A COMPANY OF THE PARTY OF THE P		\$596,280		1000
Right-of-way PTSU 0000 & 0023	HEN12H09	\$265,382	\$6,948,722			1	7 4	\$347,896					
Construction	Eng. Est.	\$2,371,852		100000						and the same	\$5,962,806		
SYSTEM: Pittman Beltway	\$197,079,852	\$26,037,688	\$16,042,384	\$0	\$0	\$2,725,390	\$0	\$0	\$13,316,994	\$0	\$0	\$0	\$0
PROJECT: Anthem Parkway Channel - Horizon Rid													
Design/Admin	Design Started 09/10	\$92.803	-124			\$45,398							S. Contract IV
Right-of-way PTAP 0018	HEN22A09	\$74,242	\$856,892										
PROJECT: Pittman North Detention Basin Outfall -	Ci Done to Engage	\$663,541				\$811,493							-
Design/Admin	ar unse to obelice	\$1,319,867			1	\$968,498		-	\$705 536	AV CARRY			
Right-of-way PTNO 0000 thru 0073		\$1,055,894	\$15,185,492		1	\$900,000			9700.000		Colonia de la co		
Construction		\$9,437,053						110000	\$12,611,458				
SYSTEM: Lower Pittman	\$124,601,910	\$19,509,780	\$4,087,742	\$0	\$0	\$181,195	\$2,847,350	\$0	\$0	\$0	\$0	\$1,059,197	\$0
PROJECT: Whitney Wash Channel													
Design/Admin	Design Started 09/10	\$44,526				\$181,195	\$258,850		10000				
Right-of-way WWDC 0069	HEN07D09	\$35,620	\$3,028,545		100								
Construction	Eng. Est.	\$318,355					\$2,588.500				150 - 3		
PROJECT: Pittman Wash, Eastern to Pecos		\$1,208.885								-217		\$1,059,197	
Design/Admin Right-of-way PTWA 0346 thru 0486		\$967,107	\$1,059,197	The second second second			7.0					\$1,000,187	
Construction		\$8,643,527	01,000,101					150					
SYSTEM: Pittman Pabco	\$173,330	\$7,135,222	\$678,171	\$0	\$0	\$0	\$0	\$0	so	\$0	\$678,171	so	\$0
		31,100,222	3070,171	40		30		30	30	***	4070,171	30	30
PROJECT: Warm Springs Rd. to Lake Mead Pkwy (Doulder Hwy)	\$797,232			1	T		The same			\$678,171	NAME OF TAXABLE PARTY.	
Right-of-way PTPA 0261 thru 0325		\$637,786	\$678,171			1					30/6,177		
Construction		\$5,700,206	554 541 1		200		0.00						101.192.5
SYSTEM: Upper Pittman	\$629,562	\$48,657,734	\$34,081,335	\$0	\$0	\$19,419,500	\$0	\$721,081	\$0	\$0	\$5,691,178	\$0	\$8,249,5
PROJECT: Pittman North Detention Basin and Outf	all							THE PERSON NAMED IN		The second			
Design/Admin		\$1,668,359			Mary The State of	\$1,000,000							
Right-of-way PTNO 0180 thru 0182	HEN16A01	\$1,334,687	\$19,419,500		Company of the second	I II The supply of the							
Construction	Eng. Est.	\$9,872,999				\$18,419,500	8,5						
PROJECT: Pittman North Detantion Basin to Larson	n Lane			A STATE OF THE STA	Suite - Suite -	4 44 -	(2000		190			
Design/Admin	- 17 18	\$396,976 \$317,581	\$4.970,348		-	The second second		\$309.034 \$412,046	20		\$225,127		2-10-
Right-of-way PTSD 0000 thru 0043		\$2,838,375	34,370,340					3412,046			\$4,024,140		
PROJECT: Pittman, Larson Lane - Las Vegas Blvd.	to Barmuda Rd.	40,000,00						1000	The same of the	-	07,067,140		
Design/Admin		\$726,451									\$617,961		S4
Right-of-way PTLA 0000 thru 0126		\$581,162	\$9,691,487	-							\$823,950		
Construction		\$5,194,132	A PARTY DO							15.0	7000		\$7,8

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CITY OF HENDERSON 10-YEAR CONSTRUCTION PROGRAM

OPTED					FIRST FIL	E YEARS 7/2017 THRU	J 6/2022			SECOND	FIVE YEARS 7/2022 TH	IRU 6/2027	
	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10)
	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
AL PLAN		Annual Resources	\$900,864,909	\$55,590,787	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,416
Unencumbered from previous year \$32,284,196	Cu	imulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69.582,974	\$51,215,690
TY RESOURCES		Annual Resources	\$75,264,520	\$6,598,330	\$4,133,141	\$19,965,194	\$3,596,427	\$3,994,986	\$4,335,877	\$4,710,319	\$18,833,648	\$4,338,198	\$4,758,401
Unencumbered from previous year \$1,957,753	Cu	mulative Available Resources		\$6,598,330	\$10,731,471	\$8,370,580	\$8,339,257	\$10,725,776	\$1,318,249	\$1,017,893	\$3,989,904	\$4,756,113	\$447,657
ENTITY TOTAL	\$511,244,291	\$151,215,287	\$74,816,863	\$0	\$0	\$22,326,085	\$3,627,751	\$1,608,467	\$13,743,403	\$5,010,675	\$15,861,637	\$3,571,989	\$9,066,85
/DROGRAPHIC BASIN: C-1	\$125,899,093	\$33,164,068	\$12,978,509	\$0	\$0	\$0	\$780,401	\$497,750	\$426,409	\$5,010,675	\$2,933,202	\$2,512,792	\$817,28
SYSTEM: C-1	\$125,899,093	\$33,164,068	\$12,978,509	\$0	\$0	\$0	\$780,401	\$497,750	\$426,409	\$5,010,675	\$2,933,202	\$2,512,792	\$817,280
PROJECT: Cadiz Storm Drain - Racetrack To Puet	lo	ber II - ive star pil		V									
Design/Admin		\$274,026						\$213,322			\$155,402		
Right-of-way C1CA 0000		\$219,220	\$3,430,952					\$284,428					1.00
Construction		\$1,959,285					7 2 4				\$2,777,800		
PROJECT: Four Kids Wash - Lake Mead to Eagle F													The state of the s
Design/Admin	Design Started 09/10	\$71,969								\$59,438		a sia mandali,	\$
Right-of-way C1FK 0040	HEN04009	\$57,575 \$514,579	\$876,718		 		201	July -					\$77
PROJECT: C1 Channel, SNWA Drop Structure to	ake Mearl	\$314,373		2. 7 . 7								J. Sales Co.	3/
Design/Admin		\$442.522			1	Time T	\$334,458			\$243,647			
Right-of-way C1CH 0161, 0173, 0204		\$354,018	\$5,731,638	1			\$445,943			32.10,047	A DE CORTE		
Construction		\$3,420,050								\$4,707,590			
PROJECT: Burkholder to Warm Springs (Lake Mea	d Pkwy)					A see a					-		0.00
Design/Admin	NA THE RESERVE OF THE PERSON O	\$227,913							\$182,746			\$133,128	
Right-of-way C1LM 0141, 0144, 0156, 0158, 0182, 0184		\$182,331	\$2,939,201			10. 30 3 1 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1			\$243,662				
Construction 0156, 0162, 0164		\$1,629,578										\$2,379,664	

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ADOPTED														
			T				IVE YEARS 7/2017 THE				-	FIVE YEARS 7/2022 TI		
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10)
	Mile Range	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
OTAL PLAN			Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,410
Unencumbered from previous year	\$32,284,196	Cu	mulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$51,215,690
NTITY RESOURCES			Annual Resources	\$331,215,324	\$12,911,857	\$19,159,255	\$92,549,048	\$16,671,309	\$18,518,836	\$20,099,041	\$21,834,776	\$87,303,742	\$20,109,800	\$22,057,660
Unencumbered from previous year	(\$8,599,627)	Cu	mulative Available Resources		\$2,034,755	\$2,212,961	\$1,143,488	\$4,441,781	\$146,166	\$3,751,038	\$8,102,799	\$15,167,792	\$19,275,133	\$17,856,877
NTITY TOTAL		\$957,137,971	\$684,948,614	\$313,358,448	\$10,877,102	\$18,981,049	\$93,618,521	\$13,373,015	\$22,814,451	\$16,494,169	\$17,483,016	\$80,238,750	\$16,002,458	\$23,475,9
HYDROGRAPHIC BASIN: CENTRAL		\$403,721,788	\$385,155,042	\$193,740,468	\$325,192	\$18,215,597	\$31,817,745	\$5,574,977	\$11,485,802	\$16,494,169	\$16,376,318	\$69,189,551	\$16,002,458	\$8,258,65
SYSTEM: LV Wash I-15 Tributary		\$109,476,848	\$77,154,912	\$16,901,498	\$0	\$545,229	\$0	\$0	\$7,496,987	\$0	\$600,623	\$0	\$0	\$8,258,65
PROJECT: Freeway Channel - W	ashington, Valley V	/iew to Decatur							The state of the s					
Design/Admin.			\$727,252								\$600,623			\$43
Right-of-way	LV15 0602		\$581,802	\$8,859,282				EVAIR NO.						
Construction			\$5,199,850							GRANGE CO.				\$7.8
PROJECT: Freeway Channel - W	ashington, Hancho	to Valley View	T #205 000 T			\$545,220			\$397,19		When I have been			T
Design/Admin Right-of-way	LV15 0528		\$765,329 \$612,263	\$8,042,216		3545,225			\$397,18			100	No. 100	+
Construction	LV 13 0328		\$5,472,102	\$0,042.210				100	\$7,099,796					
SYSTEM: LV Wash Central		\$285,079,544	\$133,972,846	\$62,775,283	\$0	\$150,000	\$14,613,802	\$0	\$1,283,284	\$16,494,169	\$0	\$30,234,028	\$0	\$0
PROJECT: Las Vegas Wash - St	ewart to Bonanza								Martin Marine -					
Design/Admin		Design Started 11/12	\$582,295			\$75,000	\$284,853							
Right-of-way	LVMD 1121 & 1149	CLA15D12 / LAS28C12	\$465,836	\$5,451,602				CONTRACTOR OF THE PARTY OF THE	ON/AG/HIRIS AND					*****
Construction			\$4,163,416				\$5,091,750							
PROJECT: Meadows - Charlesto	on, Essex to Lindell	_	T			-								
Design/Admin Right-of-way	MECN 0000, 0061		\$881,492 \$705.194	\$10,121,800		+			\$686,217			\$499,898	100000	-
Construction	MECN 0000, 0081		\$6,302,669	310,121,000		12.5						\$8,935,685	20121	
PROJECT: Meadows - Charlesto	on. Lindell to Rainbo	ow										Marie Laborator		
Design/Admin		I	\$1,176,062							\$942,997		\$666,950		
Right-of-way	MECN 0123, 0223		\$940,848	\$13,531,677						33,42,1001		2030,030		
Construction			\$8,408,837	5.5,55.1017	mrt - 84				1			\$11,921,730		+
PROJECT: Cedar Avenue Chann	nel Improvements		90,900,001				-	<u> </u>	profession and the			911,021,700		
Design/Admin	The San Company of the Company of th	Design Started 13/14	\$877.918			\$75,000	\$429,468		Translate .					
Design/Admin	CACN 0001 & 0035, CNST 0000	LAS25B13	\$702,335	\$8,181,218	E La Company	<u> </u>							State IV	
Construction	200000000000000000000000000000000000000		\$6,277,116				\$7,676,749							C 0000
PROJECT: Owens Avenue East -	LV Wash to Mojave	•			A CONTRACT OF					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
Design/Admin	A1783 (144 654) (178 654)		\$1,541,300				\$1,130,982			\$823,903			1140-1	
Right-of-way	LVOE 0000		\$1,233,040 \$11,020,297	\$16,682,154		1		Associated as the same		\$14,727,269		Jan 19 19 19 19 19 19 19 19 19 19 19 19 19		
Construction	Malaya 4- Past		\$11,020,297	18 P 180 -			THE REAL PROPERTY.	Ap State Law		\$14,727,269				
PROJECT: Owens Avenue East	- mojave to Eastern		£700.074		The same of the sa				7754 224		10/10/10/10			ALL MARKET
Design/Admin	LVOE 0085		\$766,974 \$613,579	\$8,606,832					\$597,067			\$434,954	21-10-10-	7
Right-of-way Construction	LVOE 0092		\$5,483,861	30,000,032							12-10-11-1	\$7,774,810		
Construction			33,700,007					L				97,774,010		_

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												_	****	-
red						FIRST F	IVE YEARS 7/2017 THE	PU 6/2022	-		SECOND	FIVE YEARS 7/2022 TO	HRU 6/2027	
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10
	Mile Range	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/2
PLAN			Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,4
Unencumbered from previous year	\$32,284,196	Cur	nulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33.724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$51,215.6
RESOURCES	000,004,700		Annual Resources	\$331,215,324	\$12,911,857	\$19,159,255	\$92,549,048	\$16,671,309	\$18,518,836	\$20,099,041	\$21,834,776	\$87,303,742	\$20,109,800	\$22,057,6
Unencumbered from previous year	(\$8,599,627)	T Cur	nulative Available Resources	\$331,213,324	\$2,034,755	\$2,212,961	\$1,143,488	\$4,441,781	\$146.166	\$3,751,038	\$8,102,799	\$15,167,792	\$19,275,133	\$17,856,8
TOTAL	(30,349,627)	\$957,137,971	\$684,948,614	\$313,358,448	\$10,877,102	\$18,981,049	\$93,618,521	\$13,373,015	\$22,814,451	\$16,494,169	\$17,483,016	\$80,238,750	\$16,002,458	\$23,475,9
												Annual Control Control		
TEM: Sahara Boulder Highway		\$9,165,396	\$174,027,284	\$114,063,686	\$325,192	\$17,520,367	\$17,203,943	\$5,574,977	\$2,705,531	\$0	\$15,775,695	\$38,955,523	\$16,002,458	\$0
PROJECT: Boulder Highway S	ahara Avenue - Easte					- DEAL		_				1 1000		7
Design/Admin	BHSA 0000, 0026	Design Started 09/10 LAS27A09	\$1,584,691 \$1,267,753	\$18,196,335					\$1,233,637		1	\$898,686		-
Right-of-way Construction	BN3A 0000, 0026	LASSIAUS	\$1,330,541	\$10,190,333		+	-					\$16,064,012		1
PROJECT: Sahara Avenue - Es	stern Lateral	1			Service Property	-l		ALC: NO.					1000	the same
Design/Admin			\$301,160						\$234,445			\$170,789		
Right-of-way	SAEA 0000		\$240,928	\$3,458,095					The state of the s	200			- V/0-1	
Construction			\$2,153,296	- ×								\$3,052,861	4.4	
PROJECT: Boulder Highway S	ahara Avenue - Maryl	and to Eastern					The second second							
Design/Admin			\$1,451,440	200000000000000000000000000000000000000							\$1,198,717		\$847,81	2
Right-of-way	BHSA 0075		\$1,161,152 \$10,377,798	\$17,201,175	F. T. T. T. T. T. T. T.								\$15,154,64	
Construction	- Lucius IV Di	ud to Mondond	\$10,377,796		Charles St. Co.		1					THE RESERVE AND ADDRESS OF THE PARTY OF THE	\$15,154,04	ol .
PROJECT: Boulder Highway S	anara Avenue • LV Bi	vo to marylano	\$2,062,012				-			A CONTRACTOR OF THE PARTY OF TH		\$1,754,066	PARTIE TO THE PA	
Design/Admin Right-of-way	BHSA 0175		\$1,649.610	\$1,754,066			The second secon				 	\$1,754,000		1
Construction	DIIDHOTTO		\$14,743,385	411.03,000				in a second	2000 100 100 100 100 100 100 100 100 100	arther the second	1			Too contrasting
PROJECT: Flamingo - Boulder	Hwy. North, Charlest	on - Main to Maryland						a result same of				The state of the s	The state of the s	- 1
Design/Admin			\$474,725		\$325,192		Was a second	\$239,197		PART CARDA CA		1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
Right-of-way	FLBN 0281, 0312		\$379,780	\$4,840,036		2.1001	-C			y 18 - 17 / 17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 - 10 FE (8) 1 1 1 1 1		
Construction	and the control of th	The second secon	\$3,394,278					\$4,275,647						Jania Rabina Ar
PROJECT: Flamingo - Boulder	Highway North - Bou													-
Design/Admin		Design started in 15/16	\$1,954,412			\$928,231		National 19						The second
Right-of-way	FLBN 0038	LAS29B15	\$1,563.530	\$17,520,367										
Construction			\$13,974,050		-	\$16,592,136								
PROJECT: Flamingo - Boulder														
Boulder Hwy to Maryland Parky	vay and Maryland Pko					- F - 60 - 3 - 8 - 6		ATTACHED TO SERVICE	do allo		200		- VIII - V	7 . 35
Design/Admin	FLBN 0167, 0180, 0205 &	Design started in 16/17	\$1,863,218		The state of		\$911,467							
Right-of-way	FLMP 0000	LAS29C16	\$1,490,575	\$17,203,943										-
Construction			\$13,322,013				\$16,292,476							1
PROJECT: Las Vegas Wash - B	onanza - Las Vegas \	vasn to Lamb							7		1		1000	
Design/Admin	LVBZ 0000		\$1,094,511	\$12,201,753	TO THE STATE OF TH			\$827.229			\$602,624			
Right-of-way Construction	LVB2 0000		\$875,609 \$7,825,754	312,201,/33						Charles Mars Mars	\$10,771,900			+
PROJECT: Las Vegas Wash - E	Ronanza - I amh to Da	COS	WEIGHT OF THE		No. of Concession, Name of Street, or other Persons, Name of Street, or ot				-	-	410,771,800		time and the second	Line and the second
	JOHNIKA - LAIND LO FO		\$1,589,587						\$1,237,449		- WW - 712	\$901,463		
Design/Admin Right-of-way	LVBZ 0064, 0114		\$1,569.587	\$18,252,558					\$1,237,449			3901,463		
Construction	LVD2 0004, 0114		\$1,271,670	910,232,330								\$16,113,647		-
PROJECT: Flamingo - Boulder	Liune North Main Ct	L	311,303,300		1 100 1000	L		State				310,113,047		-
Design/Admin	nwy. Rotti, Main St.	Design Started 10/11	\$308,156		**************************************	T -		\$232,903			\$169.667			-
Right-of-way	FLBN 0342	LAS29A10	\$246,524	\$3,435,358				@EGE, 500			9100,007			
Construction		Engr's Est.	\$2,203,311								\$3,032,788	THE THE PARTY OF	HISTORY OF THE PARTY	

ADOPTED						FIRST FI	VE YEARS 7/2017 THR	U 6/2022			SECOND	FIVE YEARS 7/2022 T	HRU 6/2027	
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10)
	Mile Range	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
OTAL PLAN			Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,689,416
Unencumbered from previous year	\$32,284,196	Cut	mulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$51,215,690
ENTITY RESOURCES	332,204,190		Annual Resources	\$331,215,324	\$12,911,857	\$19,159,255	\$92,549,048	\$16,671,309	\$18,518,836	\$20,099,041	\$21,834,776	\$87,303,742	\$20,109,800	\$22,057,660
		T		3331,213,324										
Unencumbered from previous year	(\$8,599,627)		mulative Available Resources		\$2,034,755	\$2,212,961	\$1,143,488	\$4,441,781	\$146,166	\$3,751,038	\$8,102,799	\$15,167,792	\$19,275,133	\$17,856,877
ENTITY TOTAL		\$957,137,971	\$684,948,614	\$313,358,448	\$10,877,102	\$18,981,049	\$93,618,521	\$13,373,015	\$22,814,451	\$16,494,169	\$17,483,016	\$80,238,750	\$16,002,458	\$23,475,91
HYDROGRAPHIC BASIN: GOWAN		\$293,217,265	\$158,747,407	\$102,404,645	\$9,637,309	\$765,452	\$45,502,042	\$7,798,038	\$11,328,649	\$0	\$1,106,698	\$11,049,198	\$0	\$15,217,258
SYSTEM: Gowan North		\$166,668,680	\$158,433,211	\$102,404,645	\$9,637,309	\$765,452	\$45,502,042	\$7,798,038	\$11,328,649	\$0	\$1,106,698	\$11,049,198	\$0	\$15,217,258
PROJECT: Gowan Box Canyon -	Lone Mountain Roa	d							1800			CONTRACTOR OF THE PARTY OF THE		
Design/Admin		Design started in 15/16	\$544,616				\$266,421			Michigan				Mexico management
Right-of-way	GOBX 0015	LAS24115	\$435,693	\$5,028,690			Market at the second	(19-10)		Our Service States				
Construction	CONTROL OF THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY ADDRESS OF THE PARTY AND ADDRESS OF THE PARTY ADDRESS OF THE PARTY ADDRESS OF THE PARTY ADDRESS OF THE P		\$3,894,007				\$4,762,269	V/1 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1				10000		
PROJECT: Gowan Outfall - Alex	ander Rd., Decatur I						\$1,440.559	-					Υ	
Design/Admin Right-of-way	GOOF 0275, 0285	Design started 16/17 NLV04K17	\$2,944,788 \$2,355,830	\$29,389,687		 	\$1,440.009						+	
Construction	0325, 0375	NEV04K17	\$22,853,410	329,369,067	No. of the State o	 	\$27,949,128							
PROJECT: Gowan North - El Ca	oitan Branch, Lone	Mtn to Ann Road	02-11-2-12-2-1-1-1								-		3.00	
Design/Admin		Design started in 15/16	\$1,052,891		\$480,828		-1				THE TAXABLE PARTY		T. Was	J.
Right-of-way	GOEC 0000 thru 0076	LAS24J15	\$842,313	\$9,075,639		ADMINISTRAÇÃO			2/				V2 7 7 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
Construction			\$7,528,174		\$8,594,810	Total Control	L							
PROJECT: Gowan Outfall - Clay	ton Branch									75 °-		personal and the second	No the working the state	
Design/Admin Right-of-way	GOCL 0000		\$1,340,021 \$1,072,016	\$16,323,956			9 (0.00 s)W == 2 = 31				\$1,106,696			\$806,
Construction	GUCL 0000		\$9.581,151	\$10,323,950										\$14,411.
PROJECT: Gowan Outfall - El C	enitan Branch, Ann	Road to Centennial			B. EXPOSE N					-				
Design/Admin	spirati bi anoni i anti		\$819.943	W-10.	\$561,670			\$413,141					Talliana agree 1,1	
	GOEC 0100 thru 0176	****	\$655,955	\$8,359,709					O OTRACE					
Construction			\$5,862,597		9-1	LES - AND W		\$7,384,898	SV				144-3	
PROJECT: Gowan - Alexander R	d., Rancho to Decat	ur				3 (3) (1) (1)								
Design/Admin		Design Started in 13/14	\$1,175,463		A		\$575.024							
Right-of-way	GOAL 0000	LAS30A13	\$940,370	\$11,083,665			F-F		and a second					
PROJECT: Gowan - Rancho, Cra	le to Alexander	Engr's Est.	\$8,404,560				\$10,508,641							
Design/Admin	ilg to Alexander		\$740,352			\$527,436			\$384,229	-	r			
Right-of-way	GOAL 0100, 0111		\$592,282	\$7,779,757		3527,130			4004,612					
Construction	00.40.00,0111		\$5,293,519						\$6,868,093					
PROJECT: Gowan - Alexander E	ranch								7			STATE STATE		2.00
Design/Admin			\$334,099			\$238,016		a section of	\$173,391					
Right-of-way Construction	GOA2 0000		\$267,279	\$3,510,774					41.000.000	And the Control of th				
PROJECT: Gowan - Craig and U	C.0E		\$2,388,808						\$3,099,367		100			
Design/Admin	J-99	7	\$1,032,239						\$803,569			\$585,388		-
Right-of-way	GOAL 0168, 0247		\$825,791	\$11,852,768			10		400,000	-	ge-mene-	4503,300		0
Construction			\$7,380,512								725.74	\$10,463,810	And the second	4-000

								Market Control								
DOPTED						FIRST F	IVE YEARS 7/2017 THE	IU 6/2022			SECOND FIVE YEARS 7/2022 THRU 6/2027					
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 5)	(Year 7)	(Year 8)	(Year 9)	(Year 10)		
	Mile Range	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27		
TAL PLAN			Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,188,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,416		
Unencumbered from previous year	\$32,284,196	Cu	mulative Avallable Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$51,215,690		
ITITY RESOURCES			Annual Resources	\$331,215,324	\$12,911,857	\$19,159,255	\$92,549,048	\$16,671,309	\$18,518,836	\$20,099,041	\$21,834,775	\$87,303,742	\$20,109,800	\$22,057,660		
Unencumbered from previous year	(\$8,599,627)	Cu	mulative Avallable Resources		\$2,034,755	\$2,212,961	\$1,143,488	\$4,441,781	\$146,166	\$3,751,038	\$8,102,799	\$15,167,792	\$19,275,133	\$17,856,877		
ITITY TOTAL		\$957,137,971	\$684,948,614	\$313,358,448	\$10,877,102	\$18,981,049	\$93,618,521	\$13,373,015	\$22,814,451	\$16,494,169	\$17,483,016	\$80,238,750	\$16,002,458	\$23,475,91		
HYDROGRAPHIC BASIN: UPPER NOR	THERN LV WASH	\$260,198,919	\$141,046,165	\$17,213,336	\$914,601	\$0	\$16,298,734	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
SYSTEM: Ann Road		\$71,879,876	\$13,931,771	\$3,970,576	\$0	\$0	\$3,970,576	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
PROJECT: Rancho Road System	- Elkhorn, Grand Ca	anyon to Hualapai	The state of the s			Deliter Co.										
Design/Admin		Design Started in 15/16	\$430,021		-0-2X-11-4-11-B		\$210,362									
Flight-of-way	RCHB 0295	LAS16P15	\$344,017	\$3,970,576				27				and the same of th				
Construction			\$3,074,648		Later Control		\$3,760,214									
SYSTEM: Kyle Canyon		\$0	\$74,543,312	\$13,242,760	\$914,601	\$0	\$12,328,158	\$0	\$0	\$0	\$0	\$0	\$0	\$0		
PHOJECT: Las Vegas Wash - Mo	occasin, Skye Canyo	n Park to Squirrels N	est				Arresta				21.494					
Design/Admin			\$1,335,162		\$914,601		\$653,147					Section 1997	1. Anna			
Right-of-way	LVMO 0000		\$1,068,130	\$13,242,760	American V	I STATE THE PARTY OF			1.3/2.1				The second services of			
Construction			\$9,546,409				\$11,675,011					100-100-100		Commence of the second		

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DOPTED						FIRST FI	VE YEARS 7/2017 THR	U 6/2022			SECOND	FIVE YEARS 7/2022 TH	IRU 6/2027	
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10)
	Mile Range	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
OTAL PLAN			Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,416
Unencumbered from previous year	\$32,284,196	Cur	nulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$51,215,690
NTITY RESOURCES			Annual Resources	\$191,827,359	\$33,736,713	\$9,515,759	\$45,966,005	\$8,280,079	\$9,197,684	\$9,982,519	\$10,844,600	\$43,360,838	\$9,987,863	\$10,955,299
Unencumbered from previous year	\$23,052,681	Cur	nulative Available Resources	1 1 1	\$31,571,713	\$12,793,914	\$2,975,962	\$5,785,133	\$7,833,382	\$5,444,960	\$11,820,814	\$24,011,378	\$33,999,241	\$19,504,146
NTITY TOTAL		\$488,547,325	\$340,609,220	\$172,323,213	\$2,165,000	\$28,293,558	\$55,783,957	\$5,470,908	\$7,149,435	\$12,370,941	\$4,468,745	\$31,170,274	\$0	\$25,450,394
HYDROGRAPHIC BASIN: LOWER N WASH	ORTHERN LV	\$258,586,054	\$151,646,075	\$32,091,733	\$0	\$0	\$4,443,088	\$367,599	\$673,609	\$0	\$4,468,745	\$10,159,554	\$0	\$11,979,139
SYSTEM: LV Wash Craig		\$109,468,557	\$40,950,363	\$9,279,432	\$0	\$0	\$4,443,088	\$367,599	\$0	\$0	\$4,468,745	\$0	\$0	\$0
PROJECT: North Las Vegas I	Detention Basin Up	grade					Sport Marian	trade to the state of					de la	
Design/Admin			\$486,372		- 1			\$367,599		January Communication Communic	\$267,790			
Right-of-way	LVUP 0406		\$389,097	\$4,836,344		100000000000000000000000000000000000000			M			Total Description		
Construction			\$3,051,982								\$4,200,955			
PROJECT: Fifth Street Collect	tor - Centennial to							100						
Design/Admin		Design started 16/17	\$470,561		10		\$230,194							9
Right-of-way Construction	LV5C 0000, 0002	NLV17C16	\$385,432 \$3,444,794	\$4,443,088			\$4,212.894	2186	100 No.	CONTRACT OF THE STATE OF				3
SYSTEM: Cheyenne Lamb Nellis		\$51,204,489	\$92,939,441	\$22,812,301	\$0	\$0	\$0	\$0	\$673,609	\$0	\$0	\$10,159,554	\$0	\$11,979,139
PROJECT: Lake Mead Drain	o Las Vegas Wash			#									Marie	VIII. 1
Design/Admin			\$1,054,874						10 - 100 - 1			\$897,337		\$634,6
Right-of-way	LVLE 0000, 0047		\$843,900	\$12,876,476					S * 5 . 4					
Construction			\$7,542,353		- Communication	3-11-11-11								\$11,344,4
PROJECT: Las Vegas Boule	vard Drain													
Design/Admin			\$865,296						\$673,609			\$490,714		
Right-of-way Construction	LVLV 0000		\$692,237	\$9,935,826								\$8,771,503	- ne sanki nje	
Construction			\$5,186,866				The second section is a second section of					\$8,771,503		

17-18-10YR-PLAN ADOPTED 06-08-17.xlsx 7 of 1

DOPTED	Service Control			1		FIRST FI	VE YEARS 7/2017 THE	RU 6/2022			SECOND	FIVE YEARS 7/2022 TH	IRU 6/2027	
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10)
	Mile Range	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
TAL PLAN		1-4-20	Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,4
Unencumbered from previous year	\$32,284,196	Cu	mulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$51,215,69
TITY RESOURCES			Annual Resources	\$191,827,359	\$33,736,713	\$9,515,759	\$45,966,005	\$8,280,079	\$9,197,684	\$9,982,519	\$10,844,600	\$43,360,838	\$9,987,863	\$10,955,29
Unencumbered from previous year	\$23,052,681	Cu	mulative Available Resources	410110011000	\$31,571,713	\$12,793,914	\$2,975,962	\$5,785,133	57,833,382	\$5,444,960	\$11,820,814	\$24,011,378	\$33,999,241	\$19,504,14
TITY TOTAL	000,000,000	\$488,547,325	\$340,609,220	\$172,323,213	\$2,165,000	\$28,293,558	\$55,783,957	\$5,470,908	\$7,149,435	\$12,370,941	\$4,468,745	\$31,170,274	\$0	\$25,450,3
HYDROGRAPHIC BASIN: RANGI	=	\$126,569,409	\$162,096,557	\$140,231,480	\$2,165,000	\$28,293,558	\$51,340,869	\$5,103,310	\$6,475,826	\$12,370,941	so	\$21,010,720	\$0	\$13,471,2
		\$120,000,400	\$102,030,337		\$2,100,000	\$£0,£30,000	931,040,003	50,100,010	\$0,473,020	912,010,041	30	\$21,010,720	30	\$10,471,2
SYSTEM: Lower Range		\$65,749,662	\$24,394,411	\$11,796,742	\$633,483	\$842,423	\$427,805	\$5,103,310	\$4,330,039	\$0	\$0	\$459,682	\$0	\$0
PROJECT: Range Wash - Alto	Conveyance, Confi	uence DB to Los Feli										Vita - Comment		
Design/Admin	The same of the sa		\$437,260			\$311,509		S CONTROL S	\$226,930					
Right-of-way	RWAL 0000, 0068		\$349,807 \$3,126,408	\$5,022,612			\$427,805		\$4,056,368					
PROJECT: Orchard Collector	- Charleston to Line	len	33,120,408						34,050,388			The same of the sa		
Design/Admin	- Ondirector to Link	Design Started 00/01	\$34,705		\$15,849									
Right-of-way	SLOR 0158	CLA21A00	\$27,765	\$250,613		17-2001								
Construction			\$205,629		\$234,764									1
PROJECT: Owens Detention B	asin & Outfall									15 J B 15 T			A COUNTY OF THE PARTY OF THE PA	
Dozion/Admin	Manager and the second	-	\$558,925	CONTRACTOR OF THE PROPERTY OF	\$382,870			\$281,623				and the same of th		1
Right-of-way	SLWA 0130 thru 0175 & SLOW 0000, 0005		\$447,140	\$6,017,094		\$530,914	Andrew Comments	the second second		New York The San Street				A E
Construction			\$3,827,758		197 - 100 - 100	- Taring 1979	70405752	\$4,821,687		F - 24 9/11 - 3				
PROJECT: Range Wash - Sloa	n Channel, Stewart	Bridge				The second								
Design/Admin			\$60,043						\$46,742	75 70		\$34,051		
Right-of-way Construction	RWSL 0188		6500.014	\$506,424	1.18.5.01			76				8405 440		
SYSTEM: West Range		\$58,235,363	\$300,214 \$101,410,556	\$54,254,853	\$1,531,517	\$0	\$33,954,288	\$0	\$0	\$12,370,941	\$0	\$425,632	so	- 00
		\$50,235,363	\$101,410,550	334,234,633	\$1,551,517	30	\$33,854,200	30	\$0	\$12,370,941	30	\$6,398,107	\$0	\$0
PROJECT: Beltway Detention		Design Started 13/14	\$879,720	THE PARTY OF THE P						\$470,255				-
Design/Admin Right-of-way	RWRR 0107 thru 0261	NLV09I13	\$703,778	\$13,074,434	\$703,493	2-21			3 1.05	\$470,255		+		-
Construction	& RWBE 0000	Eng. Est.	\$6,002,580	310,074,404	\$703,483	***				\$11,900,686				
PROJECT: Las Vegas Bouleva	rd Storm Drain	arigo assir	40(000)000				William Company			0,11300.000	CONTRACTOR OF THE PARTY OF			
Design/Admin			\$4,231,069						-11.11			\$3,599,189		
Right-of-way	SLLV 0000, 0119, 0176, & SLNL 0000		\$3.384,854	\$6,398,107					Access of the last of the			\$2,798,918		
Construction			\$30,252,138		200000000000000000000000000000000000000									
PROJECT: Range Wash - Belt	way Conveyance								A STATE OF THE STA					2
Design/Admin	RWBW 0030.		\$236.261		\$161,842		\$115,577		7793				· · · · · · · · · · · · · · · · · · ·	
Right-of-way	RWWE 0493 & 0517		\$189,009	\$2,559,136	\$215,788									
Construction			\$1,689,267				\$2,065,930							A commence of the
PROJECT: Vandenberg North				A Server										
Design/Admin	RWWE 0352, 0397 thru	PreDesign Started 10/11		\$26 704 800			\$1,000.000	Mark the state of the		***		1 = 0 T//		Laprin Siring
Right-of-way Construction	0439	NLV09E11 Eng. Est.	\$1,142,479 \$9,828,121	\$25,701,808			\$24,701,808	The second second			-	1 1 1 2 2 2 2 2 2		1
PROJECT: Beltway Collection	System - Passa	urg. cat	95,020,121		A Property and the same	TOTAL CO.	QE4,101,000	CONTRACTOR OF THE	-	1	STEELING ST.		The second state of the second	1
Design/Admin	· · · · · · · · · · · · · · · · · · ·		\$657,498		\$450.393		\$321,641	The second second	-				-	1
Design Admin	RWWE 0463 &	-	\$525,998	\$6,521,367	\$430,393		3321,041						Destable:	
Right-of-way	RWBW 0000													

										T				
DOPTED				I Laute a se		FIRST FI	/E YEARS 7/2017 THE	NU 6/2022	SECOND FIVE YEARS 7/2022 THRU 6/2027					
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10)
	Mile Range	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
TAL PLAN		West Trains	Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,416
Unencumbered from previous year	\$32,284,196	Cu	mulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$51,215,690
TITY RESOURCES			Annual Resources	\$191,827,359	\$33,736,713	\$9,515,759	\$45,966,005	\$8,280,079	\$9,197,684	\$9,982,519	\$10,844,600	\$43,360,838	\$9,987,863	\$10,955,299
Unencumbered from previous year	\$23,052,681	Cu	mulative Available Resources	\$101J027J000	\$31,571,713	\$12,793,914	\$2,975,962	\$5,785,133	\$7,833,382	\$5,444,960	\$11,820,814	\$24,011,378	\$33,999,241	\$19,504,146
TITY TOTAL	020,002,007	\$488,547,325	\$340,609,220	\$172,323,213	\$2,165,000	\$28,293,558	\$55,783,957	\$5,470,908	\$7,149,435	\$12,370,941	\$4,468,745	\$31,170,274	\$0	\$25,450,3
								\$0	\$2,145,788	\$0	\$0		\$0	
SYSTEM: East Range		\$2,584,385	\$36,291,589	\$74,179,884	\$0	\$27,451,135	\$16,958,776	30	\$2,140,700	30	30	\$14,152,931	30	\$13,471,25
PROJECT: Hollywood Syste						Company with a			-					
Design/Admin		Design Started 13/14	\$2,088,226			\$1,000,000			100000000					
	RWHW 0000 thru 0277	NLV03E13	\$1,670,581	\$27,451,135					(0.0)					
Construction		Eng. Est.	\$14,930,825	(0)		\$26,451,135						1	West of the second	10000
PROJECT: Range Wash - D		n Basin			American								10.00	
Design/Admin			\$1,323.085		-0.1							\$1,125,492	18111111	\$79
Right-of-way	0400 8 0400		\$1,058,469	\$16,097,404					- The second			\$1,500,657		
Construction			\$8,427,099			(See and See	Average to something	No. 10 To State of the local division in the						\$12,67
PROJECT: Range Wash - A	nn Branch		1 3 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			*	The state of the state of						OHER DESIGNATION OF THE PARTY.	201
Design/Admin		Design started 16/17	\$1,259,809				\$616,286					64-	-	
Right-of-way	RWAN 0000, 0050	NLV03F17	\$1,007,847	\$11,632,391									COMPANY OF THE PARTY.	il to the second
Construction			\$9,007,636				\$11,016,105							
PROJECT: Hollywood Syste	m, Centennial Pkwy	to Speedway #2 Deter	ntion Basin									10000	Column Man	
Design/Admin		Design started 16/17	\$583,000				\$285,198			ALL DAYS OF THE STATE OF THE ST				A
Right-of-way	RWHW 0300 thru 0412	NLV03G17	\$466,399	\$5,326,385					and the state of t					
Construction			\$4,122,073				\$5,041,188		-10 1000000			i i		
PROJECT: Speedway North	Detention Basin and	Outfall												THE PERSON NAMED IN
Design/Admin	RWHW 0459,0498, 0499,		\$1,181,318						\$919,623	- 1,000		\$669,931		n E synchis
Right-of-way	0500		\$945,055	\$13,672,569		2 11 12 17 10 11	G-12-12-12-12-12-12-12-12-12-12-12-12-12-		\$1,226,165		19 189	(p) 1.00		
Construction	0000		\$7,657,738								The second second	\$10.856,850		

EXHIBIT C

CLARK COUNTY 10-YEAR CONSTRUCTION PROGRAM

YEAR CONSTRUCTION PI								107 - 100									
OPTED						FIRST FIV	E YEARS 7/2017 THR	U 6/2022			SECOND FIVE YEARS 7/2022 THRU 6/2027						
	Fac. ID Mile Range	Existing Value/	Project Cost Per MPU	Total Plan	(Year 1) FY 17/18	(Year 2) FY 18/19	(Year 3) FY 19/20	(Year 4) FY 20/21	(Year 5)	(Year 6) FY 22/23	(Year 7)	(Year 8)	(Year 9)	(Year 1			
AL PLAN	Mile hange	Comments	Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649	\$43,082,608	FY 21/22 \$46,922,790	\$50,926,693	FY 23/24 \$55,324,677	FY 24/25 \$221,209,108	FY 25/26 \$50,953,955	FY 26/2			
Unencumbered from previous year	\$32,284,196	T Cur	mulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$55,889,4 \$51,215,6			
TY RESOURCES	\$32,204,130	1 00	Annual Resources	\$272,364,715	\$28,687,623	\$14.667,360	\$70,850,887	\$12,762,714	\$14,177,088	\$15,386,813	\$16,715,604	\$66,835,345					
Unencumbered from pravious year	\$12,219,515	Cur	mulative Available Resources	\$212,304,713	\$8,718,018	\$3,178,599	\$11,732,459	\$3,026,767	\$3,358,355	\$3,238,433	\$15,391,664	\$5,180,269	\$15,395,049 \$3,518,335	\$16,886,2			
TY TOTAL	\$12,218,313	\$1,065,594,071	\$552,627,233	\$268,223,681	\$19,969,604	\$20,206,780	\$62,297,027	\$21,468,406	\$13,845,500	\$15,506,734			And the second s	\$4,141,0			
ITIOIAL		31,000,004,071	\$552,021,233	\$200,223,001	\$19,909,004	\$20,200,700	302,297,027	\$21,400,400	\$13,845,500	313,300,734	\$4,562,373	\$77,046,740	\$17,056,984	\$16,263,			
DROGRAPHIC BASIN: Tropicana/ Fla	mingo	\$693,370,426	\$158,884,827	\$119,615,289	\$10,949,217	\$1,484,336	\$32,416,423	\$0	\$328,127	\$343,835	\$4,562,373	\$51,368,028	\$17,056,984	\$1,105,9			
SYSTEM: Tropicana Flamingo Project		\$362,797,746	\$19,573,293	\$14,255,702	\$0	\$0	\$0	\$0	\$0	\$343,835	\$649,618	\$4,590,086	\$8,672,163	\$0			
PROJECT: Blue Diamond - Buffalo	Branch						4-12-2-3-13-13			AND SECOND				In the second			
Design/Admin			\$786,575				2 - Q- (2E)	Land Title			\$649,618		\$459,453	3			
Design/Admin Construction	BDBF 0010, 0076, 0125		\$629,259 \$5,624,008	\$9,321,781									80.040.710				
PROJECT: Flamingo - Cimarron E	ranch		33,024,000					C 70					\$8,212,710	0			
Design/Admin			\$428,816			Time to the second	ASSAULT OF THE REAL PROPERTY.			\$343.835		\$243,183		1			
Right-of-way	FLCM 0003, 0040		\$343,052	\$4,933,922						- 1,421							
Construction			\$3,066,031								- 1400	\$4,346,903		- T			
SYSTEM: Lower Flamingo		\$241,571,216	\$107,037,196	\$54,088,578	\$10,949,217	\$484,336	\$4,110,618	\$0	\$0	\$0	\$2,743,402	\$27,416,183	\$8,384,821	\$0			
PROJECT: Wagon Trail Channel -	Sunset to Teco		laret 1 in a second				CARRIE MICHELL	The state of the last									
Design/Admin			\$176,000			\$125,384	\$86,097			15/7							
Right-of-way	WGTR 0111		\$140,800	\$1,917,646		\$167,179		and a second by the						The second second			
Construction			\$1,258,396			Wey The State of t	\$1,538,986		9/30/44								
PROJECT: Flamingo Wash, Maryl	and to Palos Verde	T	г т						The second second								
Design/Admin Right-of-way	FLWA 0621 & 0673		\$269,188 \$215,351	\$2,677,308		\$191,773	\$131.684		1 0								
Construction	FLWA 0021 & 0073		\$1,924,694	\$2,077,300	In the section is the section of the	111111111111111111111111111111111111111	\$2,353,851							-			
PROJECT: Las Vegas Wash - Chri	isty		W1,024,004	9707		-	\$2,000,00		201 CO. C.								
Design/Admin			\$1,970,430								\$1,627,341	\$1,117,441					
Right-of-way	LVCH 0000, 0114	300	\$1,576,344	\$22,719,035													
Construction	T THE U		\$14,088,579						E U			\$19,974,253					
PROJECT: Flamingo Wash Maryla	ind - UNLV	1				The second of	Separate Se	The second second									
Design/Admin Right-of-way	FLMR 0000		\$590.847 \$472,678	\$6,812,459	1 1000				- 1 ()(0.00		\$487.969	\$335.072	- 1				
Construction	PENIN GOOD		\$4,224,557	30,012,433		area a				- 1	-	\$5,989,417					
PROJECT: Airport Channel - Naple	8							A12 - 1-3		190		55,565,417					
Design/Admin		Design Started 13/14	\$328,199		\$184,051				Londelle, na								
	TRMC 0013, 0031, 0033	CLA10H13	\$262,559	\$9,549,217					- ALUMANIA				16-22	1			
Construction	amines Wash to Dea	Eng. Est.	\$2,346,621		\$9,365,166	6	Transcentistics				201		- Language -				
PROJECT: Vegas Valley Drive - FI	amingo wash to Pec	:08	A200 040 T									The Harman	71	A series of the			
Design/Admin Right-of-way	VAVD 0000 & 0025		\$760,512 \$608,410	\$9,012,913		1			Name of the last o		\$628,092		\$444,229	1004			
Construction	**************************************		\$5,437,663	95,012,515						The second			\$7,940,592	1			
PROJECT: Flamingo Wash - Indus	trial Rd. to Hotel Rio							a design						1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			
Design/Admin		Design Started 09/10	\$32,099		\$100,000					6	51.		Contract Con	8: 8			
Right-of-way Construction	FLWA 0893 & 0896	CLA10F10	\$25,679	\$1,400,000	27.00							VALUE OF THE PARTY					
		Eng. Est.	\$229,504	750.65-R	\$1,300,000												
YSTEM: Lower LV Wash Tributaries		\$17,154,487	\$29,604,381	\$51,271,009	\$0	\$1,000,000	\$28,305,805	\$0	\$328,127	\$0	\$1,169,353	\$19,361,759	\$0	\$1,105,9			
PROJECT: Tropicana Avenue Conv	veyance - Morris to N	Mountain Vista						The second secon		pm are jet a series of the				A COMMITTEE OF THE PARTY OF THE			
Design/Admin	Name of the last o		\$421,501	20222000				=	\$328,127			\$239,036	ntil f				
Right-of-way Construction	LV01 0151		\$337,201	\$4,839,921					1	7							
PROJECT: Las Vegas Wash - Boul	der Highway		\$3,013,735						12			\$4.272,759					
Design/Admin	ingernay		\$1,225,497				(Cellula Seyles							51			
Right-of-way	LVBH 0000		\$980,397	\$1,105,965						-	200	7					
Construction			\$8,762,304														
PROJECT: Tropicana Avenue Conv	veyance - Las Vegas						No. of the last of							was the same			
Design/Admin		Design Started 11/12	\$1,275,229			\$1,000,000	\$1,088,685										
Right-of-way	LV01 0001 thru 0135	CLA35A11	\$1,020,185	\$29,305,805	THE RESERVE OF THE PERSON NAMED IN			and the second		1200			0	P 3 L L HAV			
Construction PROJECT: Las Vegas Wash - Bran-	ch 02 - Monson Chal	Eng. Est	\$9,117,898 Boulder Hwy.				\$27,217,120										
Design/Admin	VII DE EMPLIAGIT CINT	ao regao traon to t	\$1,415,886								\$1,169,353	\$802,956					
Right-of-way	LV02 0001 thru 0294		\$1,132,709	\$16,019,318	West Asset						31,103,333	3002,950					

CLARK COUNTY 10-YEAR CONSTRUCTION PROGRAM

OOPTED						politica no	'E YEARS 7/2017 THR	il emoss				D FIVE YEARS 7/2022 1	TIDH é baor	
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	•	T	(Vene 40)
		-	Per MPU	Plan	A STANDARD CO.	THE CONTRACTOR OF STREET	Section Co. Co.	************			\$50,000 0.00 D.\$1	(Year 8)	(Year 9)	(Year 10
FAL 51 AN	Mile Range	Comments		7.77	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/2
TAL PLAN			Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,4
Unencumbered from previous year	\$32,284,196	Cur	nulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$51,215,6
TITY RESOURCES			Annual Resources	\$272,364,715	\$28,687,623	\$14,667,360	\$70,850,887	\$12,762,714	\$14,177,088	\$15,386,813	\$16,715,604	\$66,835,345	\$15,395,049	\$16,886,2
Unencumbered from previous year	\$12,219,515	Cur	nulative Available Resources		\$8,718,018	\$3,178,599	\$11,732,459	\$3,026,767	\$3,358,355	\$3,238,433	\$15,391,664	\$5,180,269	\$3,518,335	\$4,141,03
TITY TOTAL		\$1,065,594,071	\$552,627,233	\$268,223,681	\$19,969,604	\$20,206,780	\$62,297,027	\$21,468,406	\$13,845,500	\$15,506,734	\$4,562,373	\$77,046,740	\$17,056,984	\$16,263,
IYDROGRAPHIC BASIN: Duck Creek/ B	llue Diamond	\$302,474,814	\$201,718,434	\$76,916,733	\$4,426,190	\$8,702,566	\$28,403,242	\$9,699,741	\$13,517,373	\$12,167,620	\$0	\$0	\$0	\$0
SYSTEM: Blue Diamond Tributaries		\$45,918,214	\$47,534,900	\$20,683,853	\$0	\$1,200,697	\$6,101,038	\$4,817,884	\$0	\$8,564,234	\$0	\$0	\$0	\$0
PROJECT: Blue Diamond Wash -	Arville to I-15												ACCOUNT OF THE PARTY OF	
Design/Admin	4.0		\$503.358			\$358,598	\$246.237	The state of the s					A SECTION	
Right-of-way	BDWA 0276		\$402.686	\$5,006,327	TO STATE OF THE PARTY.									
Construction		S-12802 - 1	\$3,599,007	500		MORE DESIGNATION	\$4,401,492			The Second Second		GOOG TO ASSESS OF THE PARTY OF		
PROJECT: Duck Cr. / Blue Diamoi	nd, Bermuda to Las V	egas Bivd.												
Design/Admin	DOED ANTE COOR & SET	- Committee of the comm	\$506.588	Ar cen		\$360,899		\$255,252						
Right-of-way Construction	DCBD 0075, 0082 & 0084		\$405,271 \$3,622,105	\$5,659,983		\$481,200		\$4,562,632	4		The state of the s		1	+
PROJECT: Blue Diamond Channe	. Amigo to Rancho D	estino	601,330,60					34,002,032		AND DESCRIPTION OF THE PARTY OF		Lo.		1 00 000
Design/Admin	A training or a time toning p		\$848,814		The second secon		\$622,847			\$453.734				T
Right-of-way	BDWA 0087 thru 0174		\$679,051	\$10,017,542			\$830,462			9400.754				
Construction			\$6,069,022							\$8,110,499			6	
SYSTEM: Upper Duck Creek		\$66,782,047	\$74,969,770	\$37,139,547	\$3,826,190	\$2,525,908	\$22,302,205	\$4,881,857	\$0	\$3,603,387	\$0	\$0	\$0	\$0
PROJECT: Duck Creek Jones Bou	ilevard													700
Design/Admin		RTC Project	\$831,705			\$395,011	V + 02+							
Right-of-way	DCJB 0000, 0043		\$665,364	\$2,160,217		7.777								10
Construction	V 5 1 - 15 W	N E - 1011	\$5,946,690			\$1,765,206				Continue average in				
PROJECT: Silverado Ranch Deter	nuon Basin and Outta		84 867 706					AND LAND						-
Design/Admin Right-of-way	BD02 0125 thru 0312 &	Design Started 13/14 CLA08S13	\$1.857.765 \$1,486,212	\$22,040,143			\$908,799				-76	The same of the sa		
Construction	0359 and 0385	CEAUBSIS	\$13,190,259	322,040,143			\$21,131,344		1 - V 12 - 2				 	
PROJECT: Blue Diamond Channel	02. Decatur - Le Bare	on to Richmar	\$10,100,203				921,131,544	No and the same	Control of the Contro					
Design/Admin		RTC Project	\$430,297		\$500,000				in the contract of the contract of		F 3454215		T	1
Right-of-way	BD02 0334, 0358	No Design	\$344,239	\$3,500,000										
Construction			\$3,076,628	ACAMADA	\$3,000,000				()				9200	
PROJECT: Blue Diamond Wash R	lailroad													
Design/Admin			\$357,137				\$252,061	ANNIAN E		\$190,908			grand by	
Right-of-way Construction	BDW5 0026		\$285,709	\$4,191,638	\$326,190					20 440 470				
PROJECT: Duck Creek Wash Trib	utary 4 - Detention B	asin to Jones	\$2,553,531		The second					\$3,412,479				
Design/Admin	TOTAL DESCRIPTION	Dent to works	\$513,315		10 Table 1	\$365.691		\$258,641		95 (45) (80)	Service minutes			
Right-of-way	DCW4 0298		\$410,652	\$5,247,548		3303,091		3230,041						
Construction			\$3,670,199					\$4,623,215			8 AV 10 - 1000 H			1
SYSTEM: Lower Duck Creek		\$165,125,232	\$22,785,422	\$14,500,444	\$0	\$983,071	\$0	\$0	\$13,517,373	\$0	\$0	\$0	\$0	\$0
PROJECT: Duck Creek, Sunset Pa	erk												4 10	The Assessment
Design/Admin	1100251601EP21NIETVI		\$1,379,919	W. W. W.		\$983,071	y - y - y - y - y - y - y - y - y - y -		\$716,152					
Design/Admin	DCSP 0000		\$1,103,935	\$14,500,444			W 12 - 37 5 - 100							i la la company
Construction		A CONTRACTOR OF THE PARTY OF TH	\$9,866,422		F 11 11 11 11 11 11 11 11 11 11 11 11 11		Herman States		\$12,801,220		and the state of t	at department of		
SYSTEM: Central Duck Creek		\$24,649,321	\$56,428,342	\$4,592,890	\$600,000	\$3,992,890	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT: Duck Creek Wash, Ton	rey Pines to Rainbow				Santa Company	A Colombia and								
Design/Admin	DCWA 1775, 1803,	Developer Participation	\$387,474	22222			April 10 - 1 Wants							
Right-of-way	1827		\$309,979	\$600,000										
PROJECT: Duck Creek Haven Stre	ial .		\$2,770,438		\$600,000	1			17.00 (17.00)		180 M			
Design/Admin	- T		\$445.410 I			\$211,544	100			Team of			A STATE	
	DCHV 0026, 0050, 0057		\$445,410 \$356,329	\$3,992,890		\$211,544					Section 197			
Construction			\$3.184.684	40,000,000		\$3,781,346	30 H - 30 S							777
					ALCOHOL STREET	ψω, r ω r ω στυ					Car Control Control			

EXHIBIT C

CLARK COUNTY 10-YEAR CONSTRUCTION PROGRAM

OPTED						FIRST FIV	E YEARS 7/2017 THR	U 6/2022			SECON	FIVE YEARS 7/2022 1	HRU 6/2027	
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 1
	Mile Range	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26
AL PLAN			Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,
Unencumbered from previous year	\$32,284,196	Cur	nulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$51,215.
TY RESOURCES			Annual Resources	\$272,364,715	\$28,687,623	\$14,667,360	\$70,850,887	\$12,762,714	\$14,177,088	\$15,386,813	\$16,715,604	\$66,835,345	\$15,395,049	\$16,886,
Unencumbered from previous year	\$12,219,515		nulative Available Resources		\$8,718,018	\$3,178,599	\$11,732,459	\$3,026,767	\$3,358,355	\$3,238,433	\$15,391,664	\$5,180,269	\$3,518,335	\$4,141,
TY TOTAL		\$1,065,594,071	\$552,627,233	\$268,223,681	\$19,969,604	\$20,206,780	\$62,297,027	\$21,468,406	\$13,845,500	\$15,506,734	\$4,562,373	\$77,046,740	\$17,056,984	\$16,263
/DROGRAPHIC BASIN: Outlying Areas		\$69,748,831	\$192,023,972	\$71,691,659	\$4,594,197	\$10,019,878	\$1,477,361	\$11,768,665	\$0	\$2,995,278	\$0	\$25,678,712	\$0	\$15,157
SYSTEM: Goodsprings		\$64,849	\$2,701,170	\$852,150	\$852,150	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT: Goodsprings - Phase I							2010	-						Alexander Control
Design/Admin	GSEA 0000	Design Started 09/10	\$91,455		\$41,765			150	1 + 14					
Right-of-way Construction	GSPA 0027 & 0029 GSRV 0019	GSP01B10	\$55,910 \$653,904	\$852,150	\$63.832 \$746,553									
SYSTEM: Muddy River & Tributaries		\$25,323,000	\$118,662,000	\$38,281,630	\$0	\$10,019,878	\$1,335,519	\$11,768,665	\$0	so	so	\$0	\$0	\$15,157
PROJECT: Fairgrounds - Detention	a Dania /Whinnia Str		\$110,002,000	450,201,050	30	\$10,013,010	\$1,000,013	\$11,700,003	30	90	30	30	30	\$15,157
Design/Admin	п Безит (типррів эп	Design Started 10/11	\$1,197,000			\$543,764	2.							
Right-of-way	FGWS 0000 thru 0166	MOA03A11	\$0	\$10,019,878						1 2				
Construction	t- Va-aabiba		\$8,344,000			\$9,476,114								
PROJECT: Muddy River - Cooper to Design/Admin	to Yamasnita	MOA01B89	\$1,267,000		Part and the second			\$610,614						
Right-of-way	MRLV 0395 thru 0508	MOTOTOGO	\$1,141,713	\$13,104,184		4	\$1,335,519			Witness of the Control of the Contro				
Construction			\$9,261,000			BERLINE SE		\$11,158,050						
PROJECT: Bryner Avenue to Lewis Design/Admin	3	MOA01889	\$1,395,000			r								
	RLV 0198, 0240, 0268, 0276		\$0	\$15,157,568		No.								\$
Construction			\$9,978,000				1.0					100		\$14,
SYSTEM: Mount Charleston		\$304,564	\$894,337	\$101,100	\$0	\$0	\$0	\$0	\$0	\$0	so	\$101,100	\$0	\$0
PROJECT: Rainbow Canyon Boule	evard Bridge							grad to de-		DESIGNATION OF THE PERSON OF T				
Design/Admin			\$118,849									\$101,100		
Right-of-way Construction	MTCH 0001		\$0 \$775,488	\$101,100		-	XIII					2000		
SYSTEM: Laughlin		\$33,124,938	\$58,328,851	\$17,478,841	\$1,196,683	SO SO	\$141,842	\$0	\$0	\$2,816,928	\$0	\$13,323,388	\$0	\$0
[PROJECT: Bridge Canyon Detention	on Basin	1 400,121,000		• ,						4Ela raioco	40	\$10,020,000	40	40
Design/Admin		1	\$1,110.088							\$890,098		\$629,536		
Right-of-way	LUHS 0415, 0416 , 0417		\$0	\$11,400,303									201	
PROJECT: Bridge Canyon Outfall		1	\$6,969,201						10-100			\$9,880,669		
Design/Admin	K = =	T	\$252,575		****					\$202,521		\$143,236	With the same of	
Right-of-way	LUHS 0315, 0316, 0317		\$0	\$3,015,704		2000 m m = 2-1-								
PROJECT: Hiko Detention Basin E	vaanalan		\$1,883,212									\$2,669,947		
Design/Admin	Apansion		\$193,302				\$141,842		The second second	\$103.330				
Right-of-way	LUHS 0244		\$0	\$1,866,151				12 2 mg 12 1		0.00.000				
Construction			\$1,212,966			5	in tens in section			\$1,620,980				
PROJECT: SR 163 at Casino Drive Design/Admin	A 5.00 E	Design Started 08/09	\$98,081		\$44,791									
Right-of-way	LUBC 0000, 0001, 0006, 0007	LAU04A08	\$24,526	\$1,196,683	944,781		(HALLO A 170 L				2.55.9(8)			
Construction	0000, 0007	Eng. Est.	\$778,578		\$1,151,892	5.372 - 5° - 249							1	
SYSTEM: Searchlight		\$1,411,509	\$3,224,834	\$5,102,007	\$2,545,364	\$0	\$0	\$0	\$0	\$178,350	\$0	\$2,378,293	\$0	\$0
PROJECT: Searchlight - South, En	cinitas St. Storm Dra													
Design/Admin	SRSO 0000, 0010,	Design Started 09/10	\$173,481		\$79,224									
Right-of-way Construction	0021, 0030	SEA03A09	\$0 \$1,240,394	\$2,545,364	\$2,466,140					-				200000
PROJECT: Searchlight - West			\$1,E40,004		22,750,174				A CONTRACTOR OF THE		-	Manager State Land	CONTRACTOR OF	
Design/Admin	SRWE 0001 thru 0091		\$222,430							\$178,350		\$126,141		
Right-of-way Construction	C. TTE OUG I HING OUG I		\$0 \$1.588,526	\$2,556,643		G I III III II				4.4		40.000	1 2121	
		00.040.000		00.077.774	40				-			\$2,252,152		
SYSTEM: Bunkerville		\$9,519,970	\$8,212,780	\$9,875,931	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,875,931	\$0	\$0
PROJECT: Windmill Wash Detenti		Design Started 10/11	\$1,537,304		Karasa da da da							****		
Design/Admin	WIWA 0039, JEWA 0165	BUN01D11	\$1,537,304	\$9,875,931				***************************************			3000 to a	\$889,249		3144.5
Construction	JEWA 0165		\$6,214,352				A TOTAL OF THE PARTY OF THE PAR		And the second s	4004	100000		The second second	

CITY OF BOULDER CITY 10-YEAR CONSTRUCTION PROGRAM

DOPTED						FIRST F	VE YEARS 7/2017 TH	RU 6/2022			SECOND F	VE YEARS 7/2022 T	HRU 6/2027	
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10)
	Mile Range	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
OTAL PLAN			Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,41
Unencumbered from previous year	\$32,284,196	Cun	nutative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55.260,450	\$69,582,974	\$51,215,69
ITITY RESOURCES			Annual Resources	\$7,912,179	\$1,435,494	\$966,575	\$4,669,052	\$841,059	\$0	\$0	\$0	\$0	\$0	\$0
Unencumbered from previous year	\$350,251	Cun	nulative Available Resources		\$706,078	\$1,551,156	\$2,825,544	\$3,541,197	\$3,220,845	\$3,220,845	\$3,220,845	\$3,220,845	\$3,220,845	\$3,220,84
ITITY TOTAL		\$44,844,167	\$38,244,252	\$4,691,334	\$729,416	\$121,496	\$3,394,665	\$125,405	\$320,352	\$0	\$0	\$0	\$0	\$0
HYDROGRAPHIC BASIN: Boulder Cit	ty	\$44,844,167	\$38,244,252	\$4,691,334	\$729,416	\$121,496	\$3,394,665	\$125,405	\$320,352	\$0	\$0	\$0	\$0	\$0
SYSTEM: Georgia/Buchanan		\$12,183,226	\$1,794,645	\$2,210,334	\$0	\$121,496	\$1,741,538	\$26,948	\$320,352	\$0	\$0	\$0	\$0	\$0
PROJECT: Georgia Buchanan	Confluence Facilitie	8						The state of the s						
Design/Admin	GBGR 0003 &		\$170,542	MANA.		\$121,49	\$83,427			No. of the Control of				
Right-of-way	GBBC 0004		\$0	\$1,863,034	30	The second								
Construction			\$1,355,802				\$1,658,111		1					
PROJECT: Georgia Avenue Fa	cilities - Vaquero Dr	ive Bridge							ya Tanayaya a	recommendada and				,
Design/Admin Right-of-way	GBGR 0099		\$35,655 \$0	**************************************				\$26,948	\$18.504					
Construction	GBGU 0033		\$232,647	\$347,300	29-2016		1,-21-11-11-11-11-11-11-11-11-11-11-11-11-		\$301,848		ERC 11 -			
SYSTEM: Hemenway		\$13,994,969	\$1,138,062	\$729,416	\$729,416	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT: Hemenway System	, Phase IIB Improven	nents	**					The state of			- T- 15 4 7 1 1 1			
Design/Admin	HMWA 0005, 0105	Design Started 09/10	\$35.887		\$47,719							STEEL TO THE		
Right-of-way	& HMLV 0006	BOU01C10	\$0	\$729,416			2 1000 111170	317 11 131						
Construction		Eng. Est	\$69,980		\$681,697									SUBTRIBE.
SYSTEM: North Railroad		\$10,883,089	\$1,852,616	\$1,751,584	\$0	\$0	\$1,653,127	\$98,458	\$0	\$0	\$0	\$0	\$0	\$0
PROJECT: Wells Drive Levee	Lining													
Design/Admin		27-129	\$11,287					\$14,217					-	
Right-of-way Construction	NRIN 0088		\$0	\$98,458			· · · · · · · · · · · · · · · · · · ·	****			100	0.000	40.000	ALCOHOL: THE
PROJECT: North Railroad Con			\$66,875			78.5		\$84,240						
		I Button Durantes I	**************************************				1			100	1 1 1 1 1 1			191
Design/Admin Construction	Phase 2 Const NRIN 0010, 0031, 0062	Design Started 09/10 BOU05J10	\$195,394 \$1,273,569	\$1,653,127	1 2 to 10 to		\$95,585 \$1,557,542							
Construction	131 mil 0010, 0001, 0002	00000310	\$1,2/3,309			2000	31,007,042							ALL STATES

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CITY OF MESQUITE 10-YEAR CONSTRUCTION PROGRAM

PTED						FIRST F	IVE YEARS 7/2017	THRU 5/2022			SECOND F	VE YEARS 7/2022 TH	IRU 6/2027	
	Fac. ID	Existing Value/	Project Cost	Total	(Year 1)	(Year 2)	(Year 3)	(Year 4)	(Year 5)	(Year 6)	(Year 7)	(Year 8)	(Year 9)	(Year 10
	Mile Range	Comments	Per MPU	Plan	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27
L PLAN			Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649	\$43,082,608	\$46,922,790	\$50,926,693	\$55,324,677	\$221,209,108	\$50,953,955	\$55,889,4
Unencumbered from previous year	\$32,284,196	Cu	mulative Available Resources	\$849,649,219	\$53,448,206	\$31,976,140	\$33,724,535	\$21,508,205	\$21,757,429	\$14,568,875	\$38,368,742	\$55,260,450	\$69,582,974	\$51,215.6
TY RESOURCES Annual Resources		\$22,280,813	\$4,504,946	\$1,069,961	\$5,168,462	\$931,020	\$1,034,197	\$1,122,444	\$1,219,377	\$4,875,535	\$1,123,045	\$1,231,8		
Unencumbered from previous year	\$3,303,623	Cu	mulative Available Resources	V	\$3,819,312	\$1,508,039	\$6,676,502	(\$3,625,930)	(\$3,527,094)	(\$2,404,650)	(S1.185.273)	\$3,690,262	\$4,813,307	\$6,045,1
ENTITY TOTAL		\$51,329,343	\$39,145,652	\$16,235,681	\$685,634	\$3,381,234	\$0	\$11,233,452	\$935,361	\$0	\$0	\$0	\$0	\$0
HYDROGRAPHIC BASIN: Met	squite	\$51,329,343	\$39,145,652	\$16,235,681	\$685,634	\$3,381,234	\$0	\$11,233,452	\$935,361	\$0	\$0	\$0	\$0	\$0
SYSTEM: Town Wash \$22,881,796 \$10,064,098		\$10,064,098	\$11,106,215	\$685,634	\$0	\$0	\$10,420,581	\$0	\$0	\$0	\$0	\$0	\$0	
PROJECT: Town Wash - Me	sa Boulevard, E	I Dorado to Town Wa	ish				The state of the s							
Design/Admin	TWMB 0000		\$425,768		\$297,48	9		\$218,820						
Right-of-way	thru 0044,			\$4,818,865										1000
Construction TOWA 0120		D	\$3,348,666					\$4,302,555						
PROJECT: Town Wash Mesa Boulevard, El Dorado to Chaparral			6000 44			T congran					-			
Design/Admin Right-of-way	TWMB 0052, 0084,		\$555.515 \$444.412	\$6,287,350	\$388,145			\$285,503				ian .		
Construction	tion 0094		\$4,369,128	00.00, 103,00				\$5,613,703						
SYSTEM: Virgin River \$0		\$0	\$18,421,812	\$5,129,466	\$0	\$3,381,234	\$0	\$812,871	\$935,361	\$0	\$0	\$0	\$0	\$0
PROJECT: Virgin River Floo	d Wall								When the state of the state of			THE RESERVE OF	12.4. ·	10000000
Design/Admin	VREC 0000, 0028, 0054	Design started 15/16	\$286,875			\$138,974				the facilities			1	
Right-of-way		MES04A15	\$1,210,995	\$3,327,868									1/2/	
	Construction		\$2,633,055			\$3,188,894								
PROJECT: Virgin River Eros	sion Protection,	Phase I												200
Design/Admin	VREC 0203, 0323,		\$73,440	APP/AMARICAN AND APP		\$53,366			\$38.876					
Right-of-way	0508, 0519		\$632,655	\$1,801,598				\$812,871	Towns and the					A
Construction	Construction 0508, 0519		\$677,409						\$896,485					

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EXHIBIT D

EXHIBIT D FISCAL YEAR 2017 - 2018 PROJECT LIST

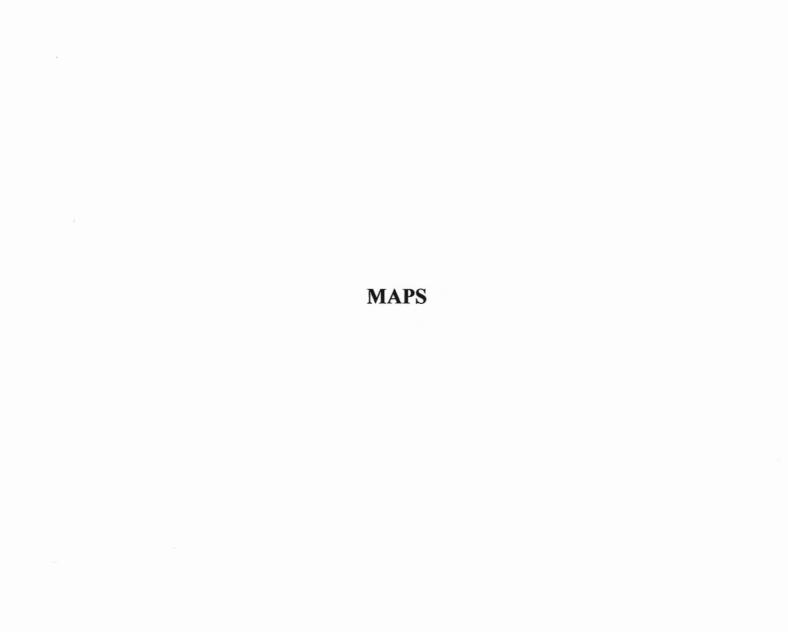
	Facility ID Mile Range	(Year 1) FY 17/18	(Year 2) FY 18/19	(Year 3) FY 19/20	
		FY 17/18	FY 18/19	FY 19/20	
CITY OF Henderson	TOTAL ELIGIBLE YEAR 1	\$20,276,392			
	ENTITY TOTAL	\$0	\$0	\$20,276,39	
HYDROGRAPHIC BASIN: PITTMAN		\$0	\$0	\$20,276,39	
SYSTEM: Pittman Beltway		\$0	\$0	\$856,892	
	nel - Horizon Ridge to Sienna Heights				
Design/Admin Construction	PTAP 0018			\$4 \$81	
SYSTEM: Upper Pittman		\$0	\$0	\$19,419,50	
PROJECT: Pittman North Detention	Basin and Outfall				
Design/Admin	PTNO 0180 thru 0182			\$1,00	
Construction				\$18,41	
CITY OF LAS VEGAS	TOTAL ELIGIBLE YEAR 1	\$121,035,009		9	
	ENTITY TOTAL	\$10,877,102	\$17,670,367	\$92,487,5	
HYDROGRAPHIC BASIN: CENTRAL		\$325,192	\$17,670,367	\$30,686,7	
SYSTEM: LV Wash Central		\$0	\$150,000	\$13,482,8	
PROJECT: Las Vegas Wash - Stew	rart to Bonanza	RSF.		1	
Design/Admin Construction PROJECT: Cedar Avenue Channel	LVMD 1121 & 1149		\$75,000	\$28 \$5,09	
Design/Admin	CACN 0001 & 0035.		\$75,000	\$4	
Construction	CNST 0000			\$7,6	
SYSTEM: Sahara Boulder Highway		\$325,192	\$17,520,367	\$17,203,9	
	y. North, Charleston - Main to Maryland		The state of the state of the state of		
Design/Admin	FLBN 0281, 0312	\$325,192			
PROJECT: Flamingo - Boulder Hig Design/Admin	hway North - Boulder Hwy, Sahara to Charleston		\$928,231		
Construction	FLBN 0038		\$16,592,136		
PROJECT: Flamingo - Boulder Hwy Boulder Hwy to Maryland Parkway			\$10,332,130		
Design/Admin	FLBN 0167, 0180, 0205 &	12.00		\$9	
Construction	FLMP 0000			\$16,2	
HYDROGRAPHIC BASIN: GOWAN		\$9,637,309	\$0	\$45,502,0	
SYSTEM: Gowan North PROJECT: Gowan Box Canyon - Lo	one Mountain Road	\$9,637,309	\$0	\$45,502,0	
Design/Admin		80.00.31		\$2	
Construction	GOBX 0015	15 C 15 0, 17 0 S		\$4,7	
	der Rd., Decatur Blvd to Simmons Street				
Design/Admin	GOOF 0275, 0285	4251272		\$1,4	
Construction	0325, 0375	A PROPERTY OF		\$27,9	
PROJECT: Gowan North - El Capit		\$480,828			
Construction	GOEC 0000 thru 0076	\$8,594,810			
	itan Branch, Ann Road to Centennial	50,554,610	A 4	a de la companya de l	
Design/Admin	GOEC 0100 thru 0176	\$561,670			
PROJECT: Gowan - Alexander Rd.,	Rancho to Decatur				
Design/Admin Construction	GOAL 0000			\$5 \$10,5	
HYDROGRAPHIC BASIN: UPPER NORTHERN LV	WASH	\$914,601	\$0	\$16,298,7	
SYSTEM: Ann Road		\$0	\$0	\$3,970,57	
	Elkhorn, Grand Canyon to Hualapai	19			
Design/Admin	RCHB 0295			\$2	
Construction Construction		6014.604	\$0	\$3,70 \$12,328,1	
SYSTEM: Kyle Canyon	casin, Skye Canyon Park to Squirrels Nest	\$914,601	\$0	\$12,328,1	
IPROJECT: Las vegas wasn - MOC	casiii, oxye caliyoli Park to oquillels Nest	No.		\$6	
Design/Admin	LVMO 0000	\$914,601			

EXHIBIT D FISCAL YEAR 2017 - 2018 PROJECT LIST

Propose Prop	CITY OF NORTH LAS VEGAS			TOTAL ELIGIBLE YEAR 1	\$85,503,200		
SYSTEM: LY Wash Craig PRODUCT: First Street Collector - Centeronial to Deer Springs 50 50 \$4,455.							\$55,356,
PROJECT: Finite Steet Collector - Centermal to Des Springs	HYDROC			/ WASH			
PROJECT Content Cont			PROJECT: Fifth Street Collector	- Centennial to Deer Springs			4 10 4
SYSTEM: Lower Range				LV5C 0000, 0002			\$4,
PRIORECT: Ordered Collector: Charleston to Lindon	HYDRO						\$50,913,
Carpy Anne Company Anne Compan		SYSTEM:	Lower Hange PROJECT: Orchard Collector - C	harleston to Linden	\$633,483	\$530,914	\$0
## PROJECT: Devent Details all Supplies Sulvivi Annies Brough Sulvi Annies Brough			Design/Admin				
SYSTEM: West Range				in & Outfall	\$234,764		
SYSTEM: Next Range					\$382,870		
PROJECT: Range Wesh - Betwey Conveyance DROJECT: Range Wesh - Betwey Conveyance Construction PROJECT: Vandenbery North Detention Basin, Cellection & Outfall Construction PROJECT: Vandenbery North Detention Basin, Cellection & Outfall Construction PROJECT: Statistury Cellection System - Pecce Construction PROJECT: Statistury Cellection System - Pecce Construction PROJECT: Range Wesh - American Basin Cellection & Outfall Construction PROJECT: Range Wesh - American Basin Cellection & Outfall Construction PROJECT: Range Wesh - American Basin Cellection Basin Cellecti		SYSTEM:		SLOW doub, doub	\$1,531,517	4000,000	\$33,954,
PROJECT: Range Want - Baltony Conveyance Septiment		100 61	PROJECT: Beltway Detention Ba				
PROJECT: Vandenberry North Detention Basin, Collection & Outfall					\$703,493		
PROJECT: Vandembery North Detartion Basin, Collection & Outstall Desynthetic PROJECT: Service PROJEC				RWBW 0030,		A Secretary	\$1
Comparation				FIWWE 0493 & 0517	\$215,788		\$2,
ENTITY OF TABLE PROJECT: Bellway Collections System - Percos ENVIRONMENT East Range				tention Basin, Collection & Outfall	# 55 CT 12 C		
PROJECT: Beltway Collection System - People Delignification				RWWE 0352, 0397 thru 0439			
SYSTEM_ East Range			PROJECT: Beltway Collection Sy		1 31		
SYSTEM: Earl Range					\$450,393		
Design/Admin Construction PROJECT: Range Wesh - Ann Branch Stock, 1, 105 Stock, 1, 1		SYSTEM:	East Range			\$27,451,135	
PROJECT: Range Wash - Ann Branch						\$1,000,000	
Design/Admin PRIVATO COOR, 2000 S11, 1900, 2000 S11, 2000 PRIVATO COOR, 2000 S11, 2000 PRIVATO COOR,			Construction		and the second		Water Contract
PROJECT: Hollywood System, Centennial Pkwy to Speedway #2 Delention Basin					E (1865)		•
Design/Admin Construction Construction Construction Construction State S			Construction				
Construction							
### PROJECT: Bluerand Channel Q2, Decatur - Le Baron to Richman PROJECT: Silverand Ranch Detention Basin and Outfall Eacilities PROJECT: Silverand Ranch Detention Basin and Outfall Facilities PROJECT: Blue Diamond Channel Q2, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q2, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q2, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q2, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q2, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q2, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q2, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q2, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q2, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q2, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q3, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q2, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q3, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q4, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q5, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q5, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q5, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q5, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q5, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q5, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q5, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q5, Decatur - Le Baron to Richman Construction PROJECT: Blue Diamond Channel Q5, Decatur - Le Baron to Richman				RWHW 0300 thru 0412	5	(1.00 miles)	
HYDROGRAPHIC BASIN: Tropicanal Flamingo		CLARK	COUNTY	\$88,824,056			
HYDROGRAPHIC BASIN: Tropicanal Flamingo				ENTITY TOTAL	\$19,969,604	\$17,172,984	\$51,681.
PROJECT: Airport Channel - Naples Design/Admin TriMC 0013, 0031, 0033 \$194,051 \$3,955,160 \$3,955,160 \$3,955,160 \$3,955,160 \$4,955,100 \$4,955,	HYDRO						\$28,305,
Construction PROJECT: Flamingo Wash - Industrial Rd. to Hotel Rio Dr.		STSIEM:		les	\$10,949,217	\$0	\$0
PROJECT: Flamingo Wash - Industrial Rd, to Hotel Rio Dr.			Design/Admin				
Design Admin FLWA 0893 & 0896 \$13,00.00 \$13,00.00 \$28,305, \$15,00.00 \$28,305, \$25,0				strial Rd to Hotel Rio Dr	\$9,365,166		
SYSTEM: Lower LV Wash Tributaries							
PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Morris S1,000,000 S1,000,000 S1,000,000 S2,000,000 S2							
HYDROGRAPHIC BASIN: Duck Creek Blue Diamond		SYSTEM:	Construction		\$1,300,000	19 1 T	\$28,305,
SYSTEM: Upper Duck Creek Sa,826,190 \$2,160,217 \$22,040,		SYSTEM:	Construction Lower LV Wash Tributaries PROJECT: Tropicana Avenue Co	FLWA 0893 & 0896	\$1,300,000	\$1,000,000	
PROJECT: Duck Creek Jones Boulevard DCJB 0000, 0043 \$395,011 Construction DCJB 0000, 0043 \$395,011 Construction PROJECT: Silverade Ranch Detention Basin and Outfall Facilities S1,765,206 PROJECT: Silverade Ranch Detention Basin and Outfall Facilities S58 and 0385 S21. PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar Dusign/Admin Construction DD2 0334, 0356 S500,000 PROJECT: Blue Diamond Wash Raitroad PROJECT: Blue Diamond Wash Raitroad PROJECT: Blue Diamond Wash Raitroad PROJECT: Duck Creek Wash, Torrey Pines to Rainbow S600,000 S3,992,890 S0 PROJECT: Duck Creek Wash, Torrey Pines to Rainbow PROJECT: Duck Creek Wash, Torrey Pines to Rainbow PROJECT: Duck Creek Haven Street S600,000 S2,150,000 S2,150,0		SYSTEM:	Construction Lower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin	FLWA 0893 & 0896 nveyance - Las Vegas Wash to Morris	\$1,300,000	\$1,000,000	\$1,
Design/Admin DCJB 0000, 0043 \$335,011 Characteristics \$1,765,206 PROJECT: Silverado Ranch Detention Basin and Outfall Facilities \$1,765,206 \$1,76	HYDRO	GRAPHIC E	Construction Lower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Almin Construction BASIN: Duck Creek/ Blue Diam	FLWA 0893 & 0896 nveyance - Las Vegas Wash to Morrís LVO1 0001 thu 0135	\$1,300,000 \$0 \$4,426,190	\$1,000,000 \$1,000,000 \$6,153,107	\$1, \$27, \$22,040,
PROJECT: Silverado Ranch Detantion Basin and Outfall Facilities	HYDRO	GRAPHIC E	Construction Cower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction BASIN: Duck Creek/ Blue Diam Upper Duck Creek	FLWA 0893 & 0896 nveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 ond	\$1,300,000 \$0 \$4,426,190	\$1,000,000 \$1,000,000 \$6,153,107	\$1, \$27, \$22,040,
Design/Admin BD02 0125 ftmu 0312 & 0359 and 0395 \$21.	HYDROO	GRAPHIC E	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin ASSIN: Duck Creek/ Blue Diam Upper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin	FLWA 0899 & 0896 nveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 cond ulevard	\$1,300,000 \$0 \$4,426,190	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011	\$1, \$27, \$22,040,
PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar Design/Admin BD02 0334, 0358 \$500,000 PROJECT: Blue Diamond Wash Railroad Right-of-way BDW5 0026 \$33,000,000 SYSTEM: Central Duck Creek \$600,000 \$3,992,890 \$0 PROJECT: Duck Creek Wash, Torrey Pines to Rainbow Construction DCWA 1775, 1803,1827 \$800,000 \$3,992,890 \$0 PROJECT: Duck Creek Haven Street Design/Admin DCHV 0026, 0050, 0057 \$2211,544 Construction DCHV 0026, 0050, 0057 \$3,781,346 HYDROGRAPHIC BASIN: Outlying Areas \$4,594,197 \$10,019,878 \$1,335,5 SYSTEM: Goodsprings - Phase I Design/Admin GSEA 0000 \$41,765 \$33,832 PROJECT: Goodsprings - Phase I Design/Admin GSEA 0000 \$41,765 \$33,832 Construction GSRA 0000 \$41,765 \$33,832 Construction GSRA 0000 \$41,765 \$33,832 SYSTEM: Muddy River & Tributaries \$0 \$10,019,878 \$1,335,5 PROJECT: Fairgrounds - Detention Basin (Whipple Street) \$9,476,114 PROJECT: Muddy River & Tributaries \$0 \$10,019,878 \$1,335,5 SYSTEM: Laughlin \$1,196,683 \$0 \$0 PROJECT: SR 163 at Casino Drive Design/Admin Construction \$1,196,683 \$0 \$0 PROJECT: Searchlight - South, Encinitas St. Storm Drain	HYDRO	GRAPHIC E	Construction Cower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction BASIN: Duck Creek/ Blue Diam Upper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction	FLWA 0899 & 0896 nveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 ond ulevard DCJB 0000, 0043	\$1,300,000 \$0 \$4,426,190	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011	\$1, \$27, \$22,040,
Design/Admin BD02 0334, 0356 \$500,000 S3,000,000	HYDROG	GRAPHIC E	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction 3ASIN: Duck Creek/ Blue Diam Upper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete Design/Admin	FLWA 0893 & 0896 nveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 ond ulevard DCJB 0000, 0043 ontion Basin and Outfall Facilities B002 0125 thru 0312 &	\$1,300,000 \$0 \$4,426,190	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011	\$1, \$27, \$22,040, \$22,040,
PROJECT: Blue Diamond Wash Railroad S3,00,000 PROJECT: Blue Diamond Wash Railroad Right-of-way BDW5 0026 S328,190 S7STEM: Central Duck Creek Wash, Torrey Pines to Rainbow Construction DCWA 1775, 1803,1827 S600,000 PROJECT: Duck Creek Wash, Torrey Pines to Rainbow Construction DCWA 1775, 1803,1827 S600,000 PROJECT: Duck Creek Haven Street Design/Admin Construction DCHV 0026, 0050, 0057 S211,544 S3,781,346 S3,781,346 S3,781,346 S7STEM: Goodsprings Phase S852,150 S0 S0 S0 PROJECT: Goodsprings Phase Design/Admin GSEA 0000 S41,765 S746,555 S746,	HYDROO	GRAPHIC E	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction BASIN: Duck Creek/ Blue Diam Upper Duck Creek PROJECT: Duck Creek/ Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete Design/Admin Construction Construction	FLWA 0893 & 0896 nveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 ond ulevard DCJB 0000, 0043 ontion Basin and Outfall Facilities BD02 0125 thru 0312 & 0358 and 0385	\$1,300,000 \$0 \$4,426,190	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011	\$1, \$27, \$22,040, \$22,040,
SYSTEM: Central Duck Creek South	HYDROC	GRAPHIC E	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction JASIN: Duck Creek Blue Diam Jpper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Design/Admin	FLWA 0899 & 0896 nveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 ond ulevard DCJB 0000, 0043 ention Basin and Outfall Facilities BD02 0125 thru 0312 & 0359 and 0385 el 02, Decatur - Le Baron to Richmar	\$1,300,000 \$0 \$4,426,190 \$3,826,190	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206	\$1, \$27, \$22,040, \$22,040,
PROJECT: Duck Creek Wash, Torrey Pines to Rainbow	HYDROC	GRAPHIC E	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction BASIN: Duck Creek/ Blue Diam Upper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction Design/Admin	FLWA 0893 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206	\$1, \$27, \$22,040, \$22,040,
Construction DCWA 1775, 1803,1827 \$600,000	HYDROC	GRAPHIC E SYSTEM:	Construction ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction ASIN: Duck Creek Blue Diam Upper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Design/Admin Construction PROJECT: Blue Diamond Chann Design/Admin Design/Admin Construction PROJECT: Blue Diamond Chann PROJECT: Blue Diamond Wash Right-of-way Right-of-way	FLWA 0893 & 0896 nveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 ond ulevard DCJB 0000, 0043 ention Basin and Outfall Facilities B002 0125 thru 0312 & 0359 and 0385 sl 02, Decatur - Le Baron to Richmar BD02 0334, 0356 Railroad	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,00,000 \$3,00,000	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206	\$1, \$27, \$22,040, \$22,040,
Design/Admin DCHV 0026, 0050, 0057 \$211,544 \$3,781,346 \$3,78	HYDROC	GRAPHIC E SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction Jasin: Duck Creek/ Blue Diam Jupper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete Josephadmin Construction PROJECT: Blue Diamond Chann Design/Admin Construction PROJECT: Blue Diamond Chann Design/Admin Construction PROJECT: Blue Diamond Wash Right-of-way Central Duck Creek	FLWA 0893 & 0896 nveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 Ond ulevard DCJB 0000, 0043 ention Basin and Outfall Facilities BD02 0125 thru 0312 & 0359 and 0385 sl 02, Decatur - Le Baron to Richmar BD02 0334, 0356 Railroad BDW5 0026	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,00,000 \$3,00,000	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206	\$1, \$27, \$22,040, \$22,040,
Construction	HYDROC	GRAPHIC E SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction ASSIN: Duck Creek/ Blue Diam Jpper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Design/Admin Construction PROJECT: Blue Diamond Chann Design/Admin Construction PROJECT: Blue Diamond Chann PROJECT: Blue Diamond Wash Right-of-way Central Duck Creek PROJECT: Duck Creek PROJECT: Duck Creek Wash, To Construction	FLWA 0899 & 0896 Inveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 Inveyand DCJB 0000, 0043 Inveyand BD02 0125 thru 0312 & 0358 and 0385 Inveyand 0385 In	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,000 \$3,000,000	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206	\$1, \$27, \$22,040, \$22,040,
SYSTEM: Goodsprings - Phase	HYDROC	GRAPHIC E SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction JASIN: Duck Creek/ Blue Diam Jupper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete Josephard Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Wash Right-of-way Central Duck Creek PROJECT: Duck Creek Wash, TO Construction PROJECT: Duck Creek Wash, TO Construction PROJECT: Duck Creek Wash, TO Construction	FLWA 0899 & 0896 Inveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 Inveyand DCJB 0000, 0043 Inversion Basin and Outfall Facilities BD02 0125 thru 0312 & 0359 and 0385 Inversion Basin and Outfall Facilities BD02 0394, 0359 Railroad BDW5 0026 Invey Pines to Rainbow DCWA 1775, 1803,1827	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,000 \$3,000,000	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206	\$1, \$27, \$22,040, \$22,040, \$22,041,
PROJECT: Goodsprings - Phase		GRAPHIC E SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction JASIN: Duck Creek/ Blue Diam Jpper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dest Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Wash Right-G-way Central Duck Creek Wash, To Construction PROJECT: Duck Creek Wash, To Construction PROJECT: Duck Creek Haven St Design/Admin Design/Admin	FLWA 0899 & 0896 Inveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 Inveyand DCJB 0000, 0043 Inversion Basin and Outfall Facilities BD02 0125 thru 0312 & 0359 and 0385 Inversion Basin and Outfall Facilities BD02 0394, 0359 Railroad BDW5 0026 Invey Pines to Rainbow DCWA 1775, 1803,1827	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$500,000 \$33,826,190 \$600,000	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,792,890	\$1, \$27, \$22,040, \$22,040, \$22,040,
Right-of-way GSPA 0027 & 0029 \$63,832 \$746,553		GRAPHIC E SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction JASIN: Duck Creek/ Blue Diam Upper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete Design/Admin Construction PROJECT: Blue Diamond Chann Design/Admin Construction PROJECT: Blue Diamond Wash Right-of-way Central Duck Creek PROJECT: Duck Creek Wash, To Construction PROJECT: Duck Creek Wash, To Design/Admin Design/Admin Construction PROJECT: Duck Creek Wash, To Construction	FLWA 0899 & 0896 Inveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 Inveyand DCJB 0000, 0043 Inversion Basin and Outfall Facilities BD02 0125 thru 0312 & 0359 and 0385 Inversion Basin and Outfall Facilities BD02 0394, 0359 Railroad BDW5 0026 Invey Pines to Rainbow DCWA 1775, 1803,1827	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,000,000 \$3,000,000 \$600,000 \$600,000	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,992,890 \$3,992,890 \$3,791,346 \$10,019,878	\$1,335,5
Construction GSRV 0019 \$746,553 \$1,019,878 \$1,335,5 \$1,019,878 \$1,335,5 \$1,019,878 \$1,335,5 \$1,019,878 \$1,335,5 \$1,019,878 \$1,335,5 \$1,019,878 \$1,335,5 \$1,019,878 \$1,335,5 \$1,019,878 \$1,335,5 \$1,019,878 \$1,335,5 \$1,019,878 \$1,019,87		GRAPHIC E SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction JASIN: Duck Creek/ Blue Diam Jupper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dest Design/Admin Construction PROJECT: Blue Diamond Chann Design/Admin Construction PROJECT: Blue Diamond Wash Right-G-way Central Duck Creek PROJECT: Duck Creek Wash, To Construction PROJECT: Duck Creek Wash, To Construction PROJECT: Duck Creek Haven St Design/Admin Construction ASSIN: Outlying Areas Goodsprings PROJECT: Goodsprings - Phase	FLWA 0899 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,000,000 \$3,000,000 \$600,000 \$600,000	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,992,890 \$3,992,890 \$3,791,346 \$10,019,878	\$1,335,5
PROJECT: Fairgrounds - Detention Basin (Whipple Street) S543,764 Design/Admin FGWS 0000 thru 0166 S9,476,114 PROJECT: Muddy River - Cooper the Yamashita Right-of-way MRLV 0395 thru 0508 S1.		GRAPHIC E SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction JASIN: Duck Creek/ Blue Diam Upper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete Design/Admin Construction PROJECT: Blue Diamond Chann PROJECT: Blue Diamond Chann PROJECT: Blue Diamond Chann PROJECT: Blue Diamond Chann PROJECT: Diamond Chann PROJECT: Diamond Chann PROJECT: Diamond Wash Right-of-way Central Duck Creek PROJECT: Duck Creek Wash, To Construction PROJECT: Duck Creek Wash, To Design/Admin Construction JASIN: Outlying Areas Goodsprings PROJECT: Goodsprings - Phase Design/Admin	FLWA 0893 & 0896 Inveyance - Las Vegas Wash to Morris LV01 0001 thru 0135 LV01 0001 thru 0135 Inveyand DCJB 0000, 0043 Intion Basin and Outfall Facilities B002 0125 thru 0312 & 0359 and 0385 Intion Basin and Outfall Facilities B002 0134, 0356 B002 0334, 0356 Railroad BDW5 0026 Interpretation of Rainbow DCWA 1775, 1803, 1827 Teet DCHV 0026, 0050, 0057	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,190 \$33,000,000 \$300,000 \$600,000 \$600,000 \$4,594,197 \$852,150	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,992,890 \$3,992,890 \$3,781,346 \$10,019,878	\$1,335,5
Design/Admin FGWS 0000 thru 0166 \$543,764		SYSTEM: SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction JASIN: Duck Creek/ Blue Diam Jupper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Wash Right-G-way Central Duck Creek PROJECT: Duck Creek Wash, To Construction PROJECT: Goodsprings - Phase Design/Admin Right-G-way Construction Right-G-way Construction Right-G-way Construction	FLWA 0899 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,190 \$500,000 \$32,6190 \$600,000 \$4,594,197 \$852,150 \$41,765 \$53,832	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,992,890 \$3,992,890 \$3,781,346 \$10,019,878 \$0	\$1,335,5
Construction		SYSTEM: SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Assin: Duck Creek/ Blue Diam Upper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete Design/Admin Construction PROJECT: Blue Diamond Chann PROJECT: Blue Diamond Chann PROJECT: Blue Diamond Chann PROJECT: Blue Diamond Wash Right-of-way Central Duck Creek Wash, To Construction PROJECT: Duck Creek Haven St Design/Admin Construction PROJECT: Duck Creek Haven St Design/Admin Construction PROJECT: Goodsprings - Phase Design/Admin Right-of-way Construction PROJECT: Goodsprings - Phase Design/Admin Right-of-way Construction Right-of-way Construction Muddy River & Tributaries	FLWA 0899 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,190 \$3,000,000 \$3,000,000 \$600,000 \$41,765 \$41,765 \$41,765 \$41,765	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,992,890 \$3,992,890 \$3,781,346 \$10,019,878 \$0	\$1,335,5 \$0
Right-of-way		SYSTEM: SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction BASIN: Duck Creek/ Blue Diam Jpper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dest Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Channe PROJECT: Blue Diamond Wash Right-d-way Central Duck Creek Wash, To Construction PROJECT: Duck Creek Haven St Design/Admin Construction PROJECT: Duck Creek Haven St Design/Admin Construction PROJECT: Goodsprings - Phase Design/Admin Right-d-way Construction	FLWA 0899 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,190 \$3,000,000 \$3,000,000 \$600,000 \$41,765 \$41,765 \$41,765 \$41,765	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,781,346 \$10,019,878	\$1,335,5 \$0
SYSTEM: Laughlin		SYSTEM: SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Assin: Duck Creek/ Blue Diam Upper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverade Ranch Dete Design/Admin Construction PROJECT: Blue Diamond Chann Design/Admin Construction PROJECT: Blue Diamond Chann PROJECT: Blue Diamond Chann PROJECT: Blue Diamond Wash Right-of-way Central Duck Creek Wash, To Construction PROJECT: Duck Creek Haven St Design/Admin Construction ASSIN: Outlying Areas Goodsprings PROJECT: Goodsprings - Phase Design/Admin Right-of-way Construction Muddy River & Tributaries PROJECT: Fairgrounds - Detent Design/Admin Design/Admin Construction	FLWA 0899 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,190 \$3,000,000 \$3,000,000 \$600,000 \$41,765 \$41,765 \$41,765 \$41,765	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,992,890 \$3,992,890 \$10,019,878 \$0	\$1,335,5 \$0
Design/Admin LUBC 0000, 0001, \$44,791		SYSTEM: SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction Jasin: Duck Creek/ Blue Diam Jupper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Wash Right-G-way Central Duck Creek PROJECT: Duck Creek Wash, To Construction PROJECT: Duck Creek Haven Str Design/Admin Construction PROJECT: Duck Creek Haven Str Design/Admin Construction PROJECT: Goodsprings - Phase Design/Admin Right-G-way Muddy River & Tributaries PROJECT: Fairgrounds - Detenti Design/Admin Design/Admin Construction Design/Admin	FLWA 0899 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,190 \$3,000,000 \$3,000,000 \$600,000 \$41,765 \$41,765 \$41,765 \$41,765	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,992,890 \$3,992,890 \$10,019,878 \$0	\$1,335,5
Construction		SYSTEM: SYSTEM: SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction DASIN: Duck Creek/ Blue Diam Jpper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dest Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Wash Right-of-way Central Duck Creek Wash, To Construction PROJECT: Duck Creek Haven St Design/Admin Construction PROJECT: Duck Creek Haven St Design/Admin Construction PROJECT: Goodsprings - Phase Design/Admin Right-of-way Construction Muddy River & Tributaries PROJECT: Fairgrounds - Detenti Design/Admin Construction Muddy River & Tributaries PROJECT: Fairgrounds - Detenti Construction PROJECT: Muddy River - Coope Right-of-way Laughlin	FLWA 0899 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,000,000 \$3000,000 \$600,000 \$41,785 \$53,832 \$74,594,197 \$852,150 \$41,765 \$53,832 \$74,653 \$74,653	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,992,890 \$3,992,890 \$10,019,878 \$10,019,878 \$10,019,878	\$1,335,5 \$21,335,5
PROJECT: Searchlight - South, Encinitas St. Storm Drain		SYSTEM: SYSTEM: SYSTEM: SYSTEM:	Construction Design/Admin Construction PROJECT: Tropicana Avenue Co Design/Admin Construction PROJECT: Duck Creek / Blue Diam Jupper Duck Creek PROJECT: Duck Creek / Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Wash Right-G-way Central Duck Creek PROJECT: Duck Creek Wash, To Construction PROJECT: Duck Creek Wash, To Construction PROJECT: Duck Creek Haven Str Design/Admin Construction PROJECT: Goodsprings - Phase Design/Admin Construction PROJECT: Goodsprings - Phase Design/Admin Construction PROJECT: Fairgrounds - Detenti Design/Admin Construction PROJECT: Fairgrounds - Detenti Design/Admin Construction PROJECT: Muddy River - Coope Right-G-way Laughlin PROJECT: SR 163 at Casino Driv	FLWA 0893 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,190 \$300,000 \$328,190 \$600,000 \$4,594,197 \$852,150 \$41,765 \$3,825 \$746,553 \$746,553	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,992,890 \$3,992,890 \$3,781,346 \$10,019,878 \$0	\$1,335,5 \$21,335,5
		SYSTEM: SYSTEM: SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction JASIN: Duck Creek/ Blue Diam Jupper Duck Creek PROJECT: Blue Diam Design/Admin Construction PROJECT: Silverado Ranch Dest Design/Admin Construction PROJECT: Blue Diamond Chann Design/Admin Construction PROJECT: Blue Diamond Chann PROJECT: Blue Diamond Wash Right-of-way Central Duck Creek Wash, To Construction PROJECT: Duck Creek Wash, To Construction PROJECT: Duck Creek Haven St Design/Admin Construction PROJECT: Duck Creek Haven St Design/Admin Construction PROJECT: Goodsprings - Phase Design/Admin Right-of-way Construction Right-of-way Construction PROJECT: Fairgrounds - Detent Design/Admin Construction PROJECT: Fairgrounds - Detent Design/Admin Construction PROJECT: Muddy River - Coope Right-of-way Laughlin PROJECT: SR 163 at Casino Dri Design/Admin Construction PROJECT: SR 163 at Casino Dri Design/Admin Construction PROJECT: SR 163 at Casino Dri Design/Admin Construction	FLWA 0899 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,190 \$500,000 \$32,000,000 \$600,000 \$4,594,197 \$852,150 \$41,766 \$63,382 \$746,553 \$0	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,792,890 \$3,992,890 \$3,781,346 \$10,019,878 \$0	\$1,335,5 \$21,335,5 \$1,335,5
		SYSTEM: SYSTEM: SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction JASIN: Duck Creek/ Blue Diam Jupper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Wash Right-of-way Central Duck Creek Wash, To Construction PROJECT: Goodsprings - Phase Design/Admin Construction PROJECT: Fairgrounds - Detent Design/Admin Right-of-way Construction PROJECT: Fairgrounds - Detent Design/Admin Construction PROJECT: Muddy River - Coope Right-of-way Laughlin PROJECT: SR 163 at Casino Dri Design/Admin Construction Design/Admin Construction Design/Admin Construction Design/Admin Construction Construction Design/Admin Construction Design/Admin Construction Design/Admin Construction Design/Admin Construction Design/Admin Construction	FLWA 0893 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,190 \$500,000 \$32,000,000 \$600,000 \$4,594,197 \$852,150 \$41,766 \$63,382 \$746,553 \$0	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,792,890 \$3,992,890 \$3,781,346 \$10,019,878 \$0	\$1,335,5 \$21,335,5 \$21,335,5
Construction 0021, 0030 \$2,486,140		SYSTEM: SYSTEM: SYSTEM: SYSTEM:	Construction Ower LV Wash Tributaries PROJECT: Tropicana Avenue Co Design/Admin Construction JASIN: Duck Creek/ Blue Diam Jupper Duck Creek PROJECT: Duck Creek Jones Bo Design/Admin Construction PROJECT: Silverado Ranch Dete PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Channe Design/Admin Construction PROJECT: Blue Diamond Wash Right-G-way Central Duck Creek PROJECT: Duck Creek Wash, To Construction PROJECT: Duck Creek Wash, To Construction PROJECT: Duck Creek Haven Str Design/Admin Construction PROJECT: Goodsprings - Phase Design/Admin Right-G-way Muddy River & Tributaries PROJECT: Fairgrounds - Detenti Design/Admin Construction PROJECT: Muddy River - Coope Right-G-way Laughlin PROJECT: SR 163 at Casino Dri Design/Admin Construction PROJECT: Searchlight - South, E Design/Admin Construction Design/Admin Construction PROJECT: Searchlight - South, E Design/Admin	FLWA 0899 & 0896	\$1,300,000 \$0 \$4,426,190 \$3,826,190 \$3,826,190 \$300,000 \$300,000 \$600,000 \$4,594,197 \$852,150 \$41,766 \$53,833 \$746,553 \$0 \$1,196,683 \$4,794,151,892 \$2,545,364	\$1,000,000 \$1,000,000 \$6,153,107 \$2,160,217 \$395,011 \$1,765,206 \$3,792,890 \$3,992,890 \$3,781,346 \$10,019,878 \$0 \$543,764 \$9,476,114	\$1,335,5 \$0 \$1,335,5 \$1,335,5

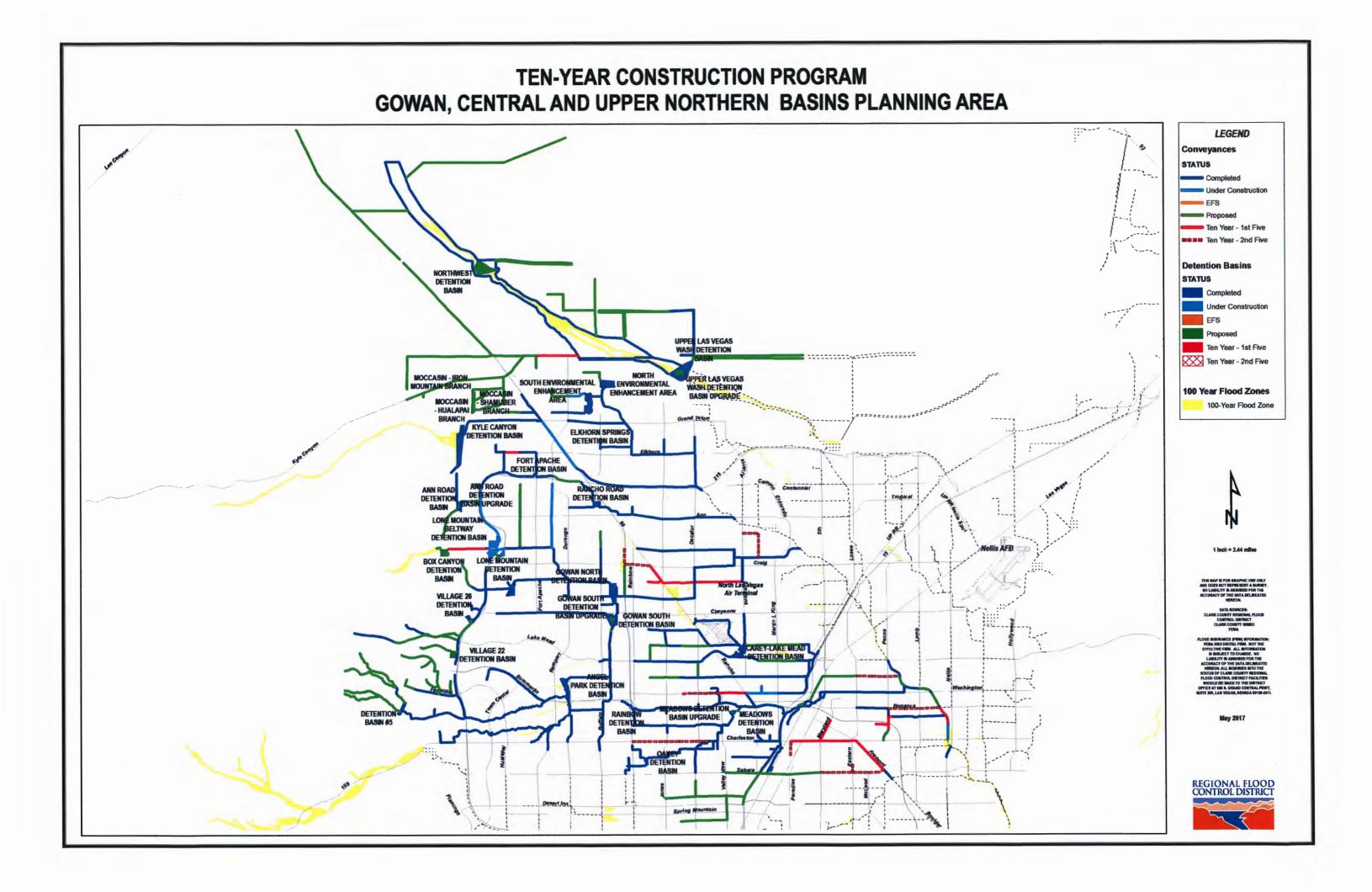
EXHIBIT D FISCAL YEAR 2017 - 2018 PROJECT LIST

BOULD	ER CITY	TOTAL ELIGIBLE YEAR 1	\$2,382,542			
A	Sentent a characteristic base for	ENTITY TOTAL	\$729,416	\$0	\$1,653,127	
HYDROGRAPHIC E	BASIN: Boulder City		\$729,416	\$0	\$1,653,127	
SYSTEM:	Hemenway		\$729,416	\$0	\$0	
201/2018	PROJECT: Hemenway System, Phase IIB	Improvements	2			
2,000	Design/Admin	HMWA 0005, 0105	\$47,719	100 TORS (100 TORS)		
	Construction	& HMLV 0006	\$681,697		See See See See See See	
SYSTEM:	North Railroad		\$0	\$0	\$1,653,127	
	PROJECT: North Railroad Conveyance					
	Design/Admin	Phase 2 Const		2/200	\$95,58	
	Construction	NRIN 0010, 0031, 0062			\$1,557,54	
CITY OF MESQUITE		TOTAL ELIGIBLE YEAR 1	\$4,013,502			
		ENTITY TOTAL	\$685,634	\$3,327,868	\$0	
	HYDROGRAPHIC BASIN	l: Misquite	\$685,634	\$3,327,868	\$0	
SYSTEM:	Town Wash		\$685,634	\$0	\$0	
	PROJECT: Town Wash - Mesa Boulevard	, El Dorado to Town Wash				
	Design/Admin	\$297,489		THE REPORT OF		
	PROJECT: Town Wash Mesa Boulevard,			A a A a A a		
	Design/Admin	\$388,14				
SYSTEM:	Virgin River		\$0	\$3,327,868	\$0	
	PROJECT: Virgin River Flood Wall					
	Design/Admin	1000 0000 0000 0004		\$138,974	SALTS IN THE P	
	Construction	VREC 0000, 0028, 0054		\$3,188,894		

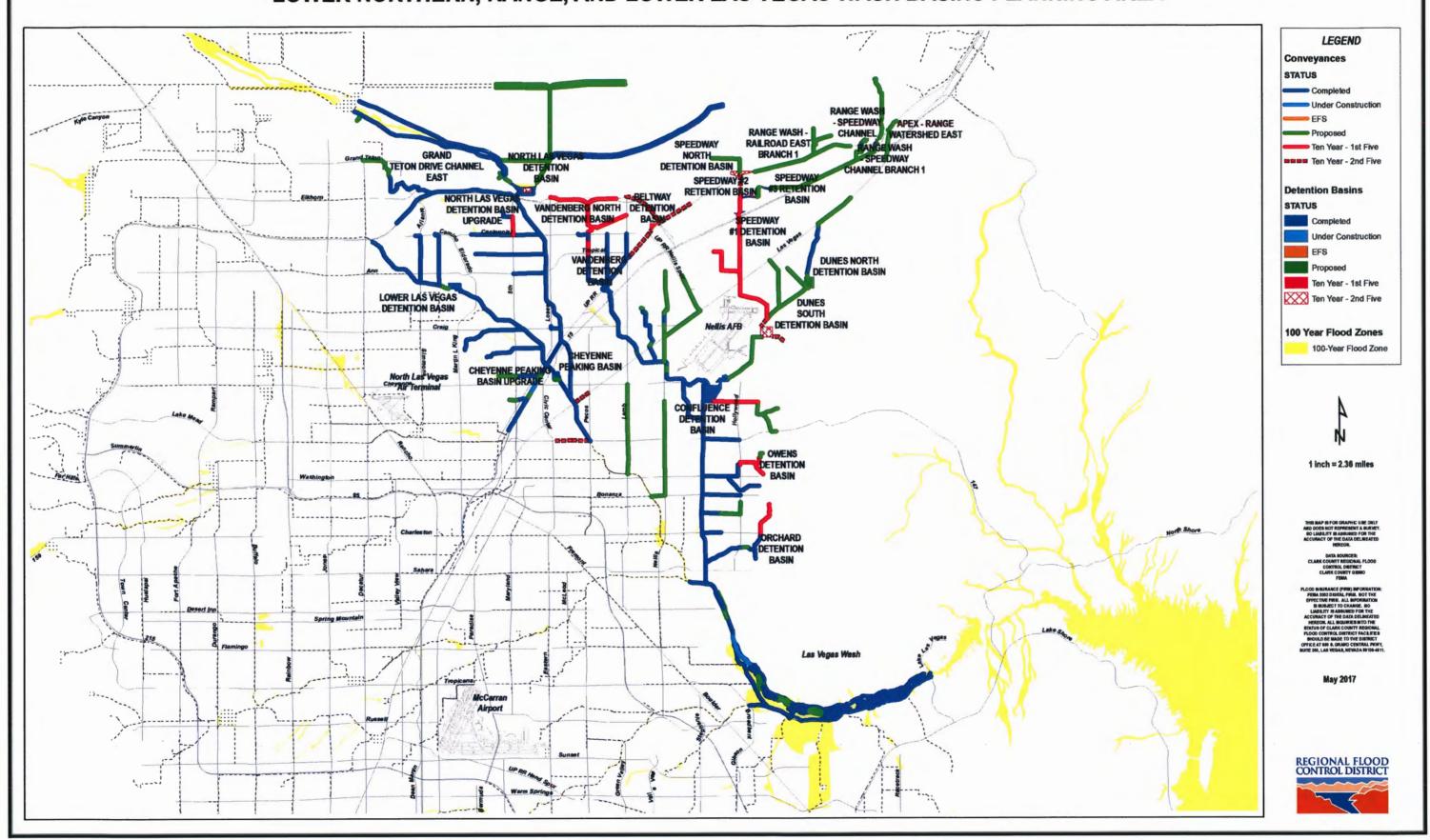


TEN-YEAR CONSTRUCTION PROGRAM LAS VEGAS VALLEY LEGEND Conveyances STATUS **Detention Basins** STATUS Ten Year - 2nd Five 100 Year Flood Zones 100-Year Flood Zone REGIONAL FLOOD CONTROL DISTRICT

TEN-YEAR CONSTRUCTION PROGRAM PITTMAN WASH AND C-1 CHANNEL PLANNING AREA **LEGEND** Conveyances STATUS NORTH PEAKING BASIN DETENTION BASIN PABCO SOUTH NORTHEAST C-1 DETENTION **Detention Basins** PITTMAN PARK STATUS PIONEER DETENTION BASIN TTMAN RAILROAD EFS **EQUESTRIAN** Ten Year - 1st Five DETENTION BASIN EAST C-1 Ten Year - 2nd Five DETENTION PITTMAN BASIN HORIZON RIDGE 100 Year Flood Zones GOLF COURSE ETENTION BASIN NDOT EDIMENT CACTUS 100-Year Flood Zone DETENTION NDOT PITTMAN MENT BASIN MACDONALD RANCH DEBRIS BASIN **BLACK MOUNTAIN DETENTION BASIN** MCCULLOUGH IISSION DETENTION BASIN HILLS DETENTION BASIN ANTHEM DEBRIS BASIN #1 1 inch = 1.7 miles PITTMAN PITTMAN NORTH DETENTION EAST DETENTION BASIN AND OUTFALL SYSTEM CRESCENT **DEBRIS BASIN** PITTMAN WEST SOUTHEAST PITTIAN DETENTION BASIN PITTMAN OC SAN GROVE DEBRIS BASIN PITTMAN ANTHEM DETENTION BASIN SOUTHWEST TMAN DETENTION BASIN PONT NATIONAL PITTMAN WASH DEBRIS BASIN SOUTHEAST **HEADWORKS DEBRIS BASIN** DETENTION May 2017 REGIONAL FLOOD CONTROL DISTRICT



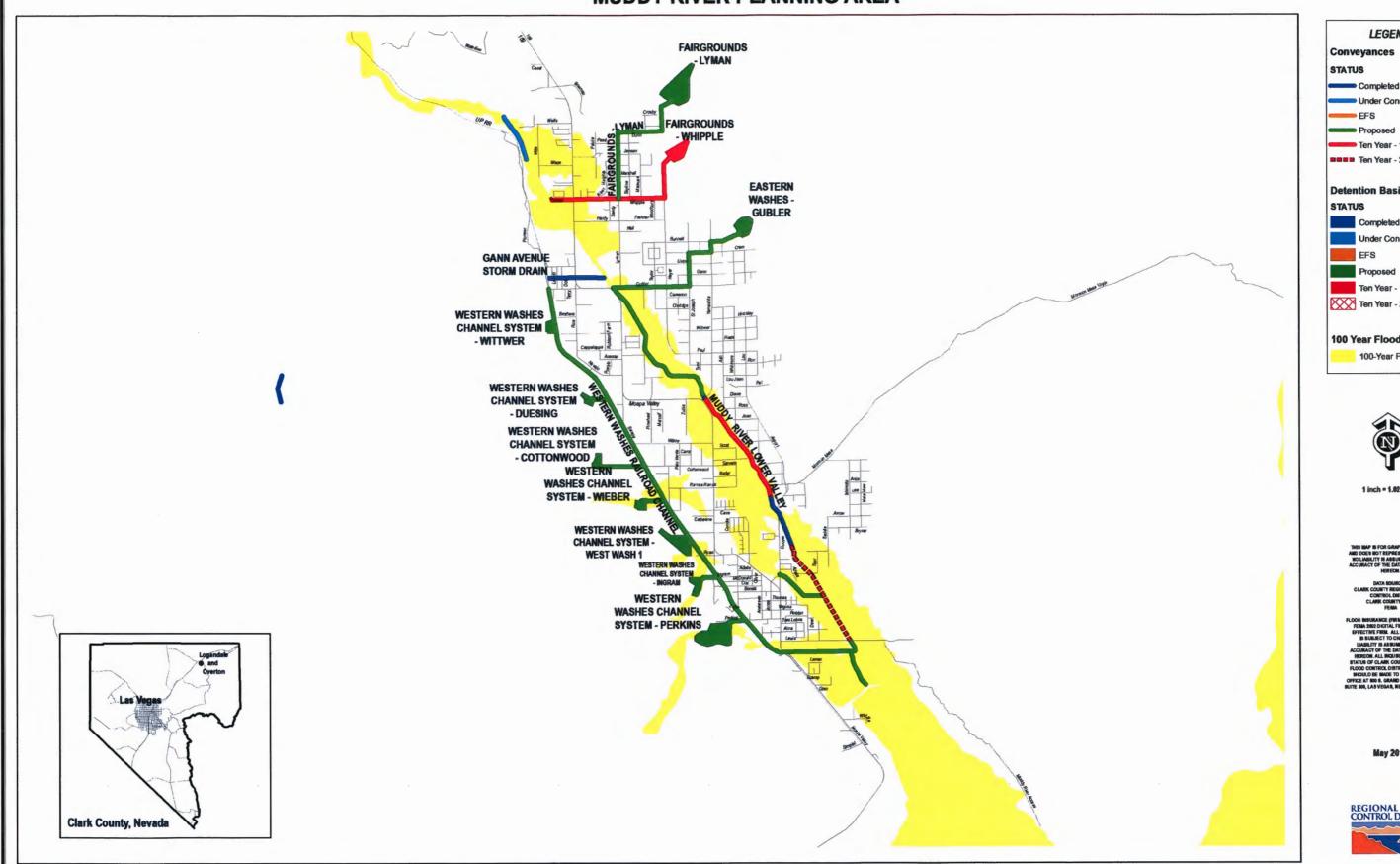
TEN-YEAR CONSTRUCTION PROGRAM LOWER NORTHERN, RANGE, AND LOWER LAS VEGAS WASH BASINS PLANNING AREA



TEN-YEAR CONSTRUCTION PROGRAM FLAMINGO, TROPICANA, DUCK CREEK, AND BLUE DIAMOND PLANNING AREA **LEGEND** Conveyances RED ROCK DETENTION STATUS Completed LAKES DETENTION TION DESERT INN. GRAD DETENTION BASIN U DETENTION BASIN BASIN **Detention Basins R4 DETENTION** STATUS BASIN Completed BRANCH TROPICANA WASH OWER FLAMINGODETENTION TASIN DETENTION Proposed DETENTION BASIN TROPICANA F1 DEBRIS Ten Year - 1st Five DETENTION BASIN Ten Year - 2nd Five ETENTION F2 DEBRIS BASIN 100 Year Flood Zones MCCARRAN sun 100-Year Flood Zone EDETENTION BASIN F3 DETENTION KB DETENTION LOWER BLUE DIAMOND DETENTION F4 DEBRIS 1 inch = 1.88 miles DIAMOND LOWER DUCK CREEK **DEBRIS BASIN UPPER BLUE DIAMOND DETENTION BASIN** UPPER DUCK CREEK DETENTION BASIN SILVERADO RANCH CREEK RAILROAD DETENTION BASIN CREEN DETENTION CENTRAL DUCK CREEK DETENTION BASIN May 2017 BRUNER DETENTION BASIN REGIONAL FLOOD CONTROL DISTRICT BIRDSPRING **DETENTION**

TEN-YEAR CONSTRUCTION PROGRAM GOODSPRINGS PLANNING AREA LEGEND Conveyances STATUS BASIN 2A WASH DIVERSION LEVEE/CHANNEL **Detention Basins** STATUS Completed Under Construction Ten Year - 2nd Five 100 Year Flood Zones 100-Year Flood Zone REVERE ST EAST CHANNEL 1 inch = 0.09 miles COYOTE ST CHANNEL GOODSPRINGS/COYOTE ST CHANNEL May 2017 REGIONAL FLOOD CONTROL DISTRICT Clark County, Nevada

TEN-YEAR CONSTRUCTION PROGRAM MUDDY RIVER PLANNING AREA





LEGEND

Under Construction

EFS

Ten Year - 2nd Five

Detention Basins

Completed

Under Construction

EFS

Ten Year - 1st Five

Ten Year - 2nd Five

100 Year Flood Zones

100-Year Flood Zone

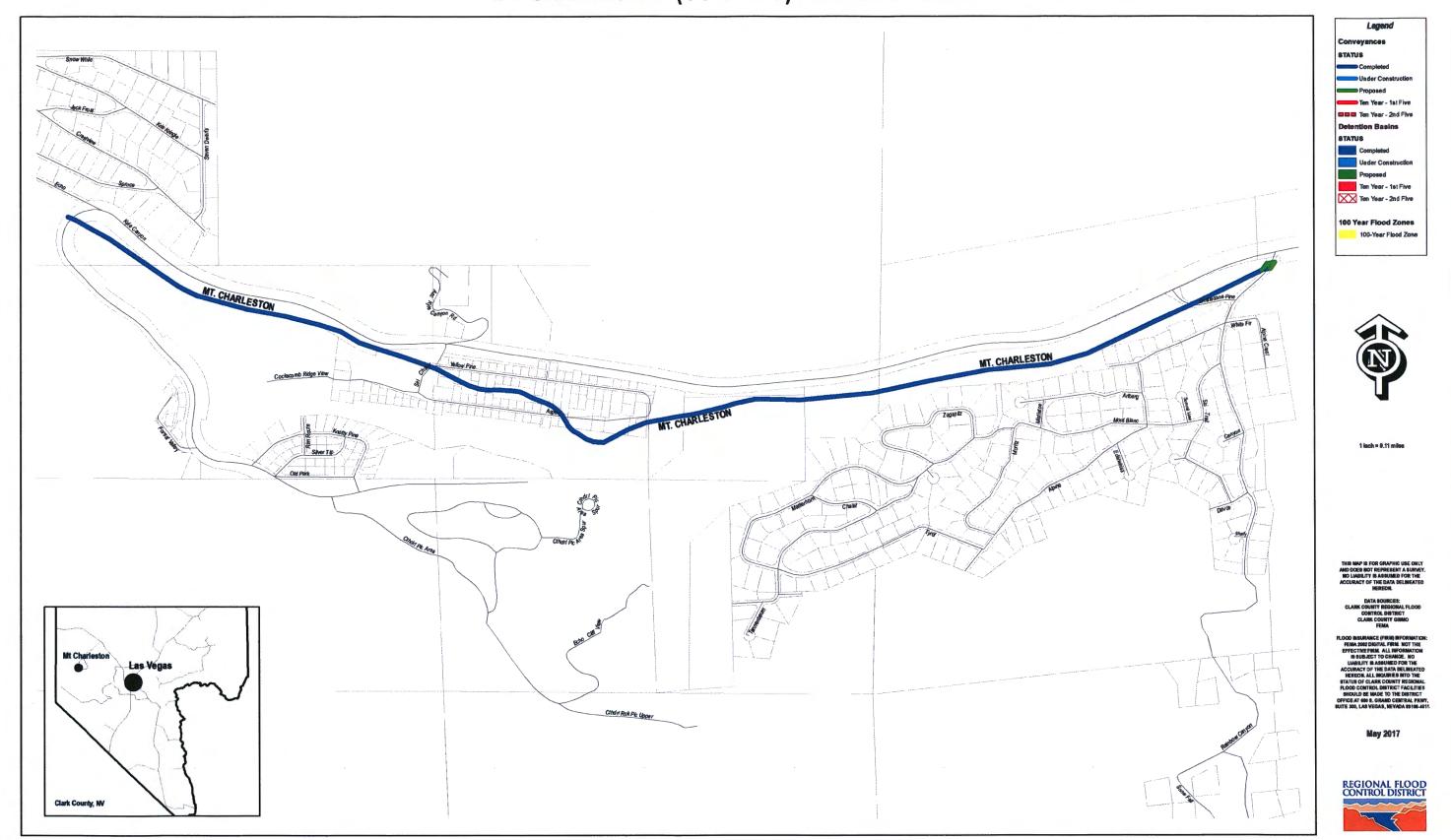


1 inch = 1.02 miles

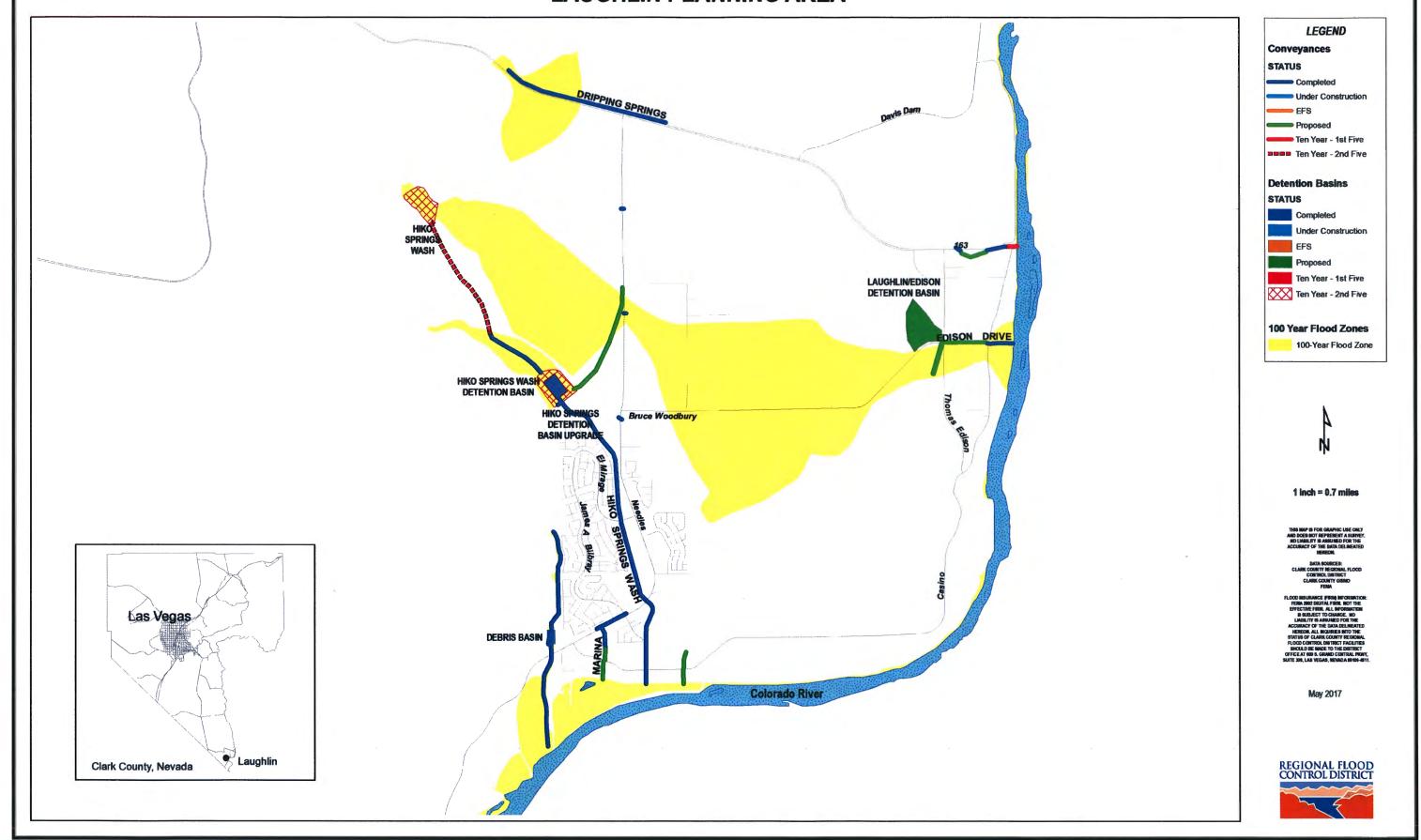
May 2017



TEN-YEAR CONSTRUCTION PROGRAM MT. CHARLESTON (OUTLYING) PLANNING AREA



TEN-YEAR CONSTRUCTION PROGRAM LAUGHLIN PLANNING AREA



TEN-YEAR CONSTRUCTION PROGRAM SEARCHLIGHT PLANNING AREA





Conveyances

STATUS

Completed

Under Construction
EFS

Proposed

Ten Year - 1st

Ten Year - 2nd F

Detention Basins

STATUS

Completed

Under Construction

EFS

Proposed

Ten Year - 1st Five
Ten Year - 2nd Five

100 Year Flood Zones

100-Year Flood Zone



1 inch = 0.1 miles

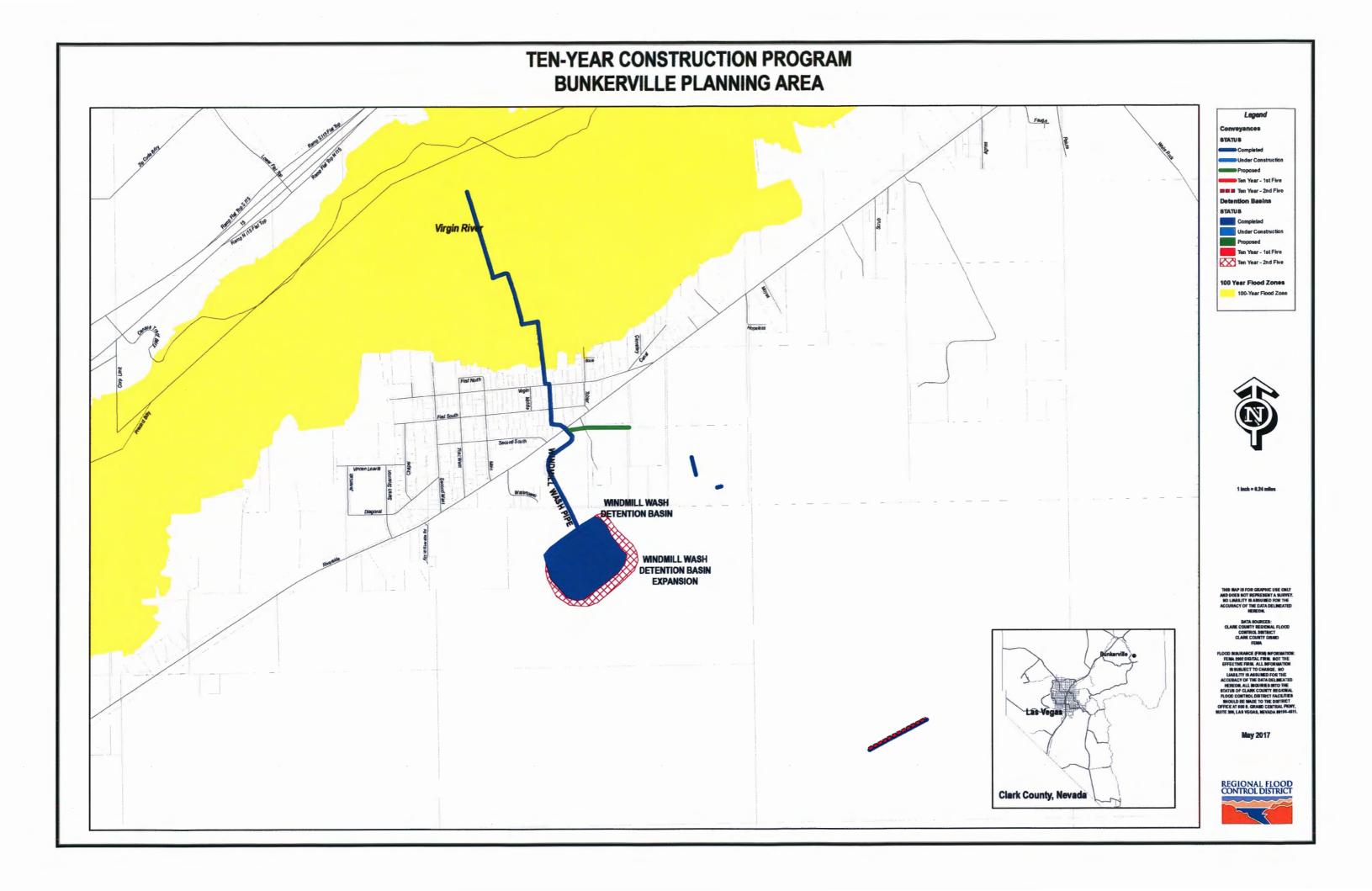
THIS MAP IS FOR GRAPHIC USE ONLY
AND DOES NOT REPRESENT A SURVEY
NO LIABILITY IS ASSUMED FOR THE
ACCURACY OF THE DATA DELINEATED

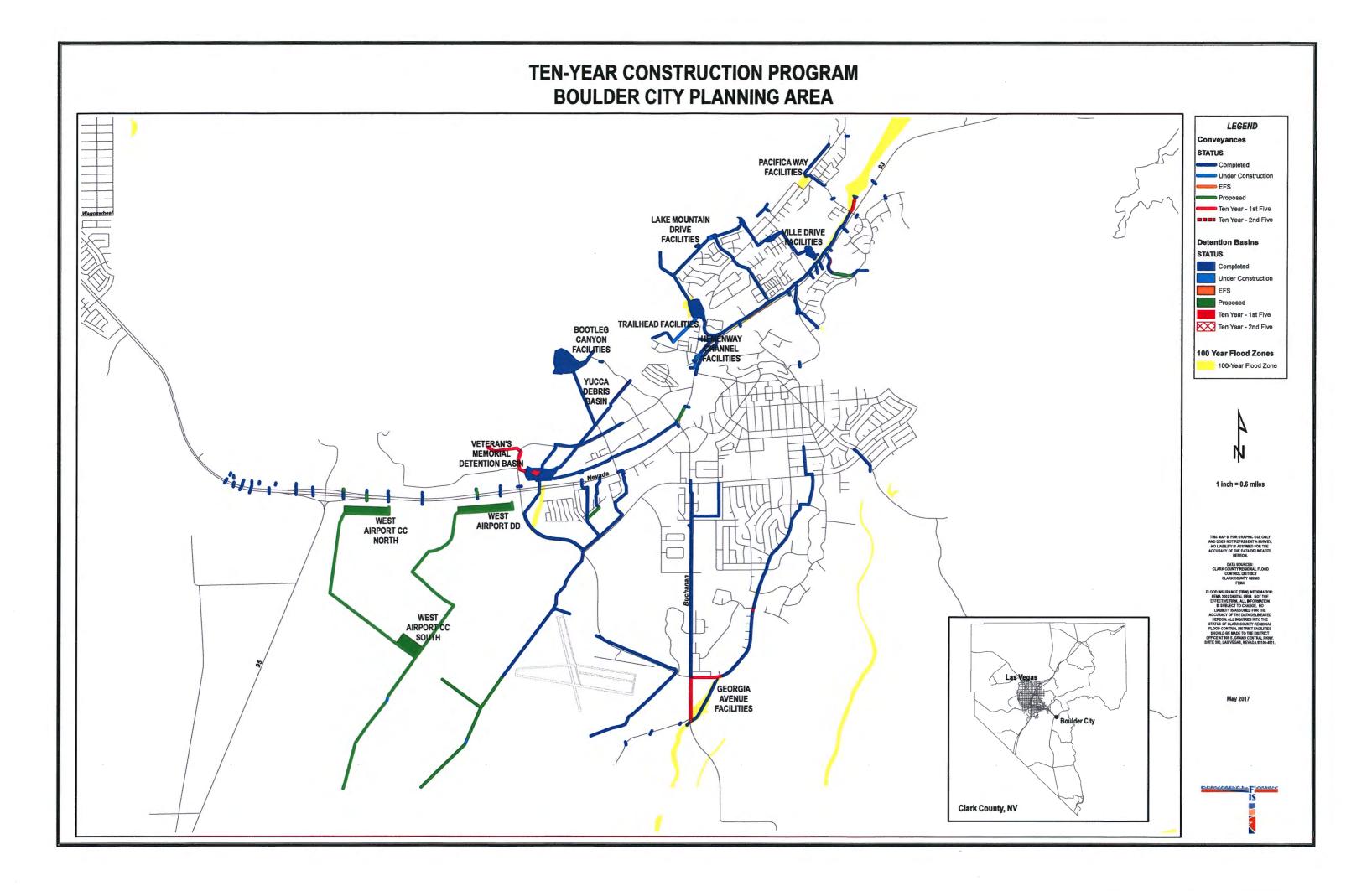
DATA SOURCES: LARK COUNTY REGIONAL FLI CONTROL DISTRICT CLARK COUNTY GISMO

FLOOD INSURANCE (FINIS) INFORMATION FEMA 2002 IORIVAL FIRIS. NOT THE EFFECTIVE FIRIS. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEXEON. ALL INGUIRES INTO THE STATUS OF CLARK COUNTY RECIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT IOS. A GRAND CENTRAL PROVI

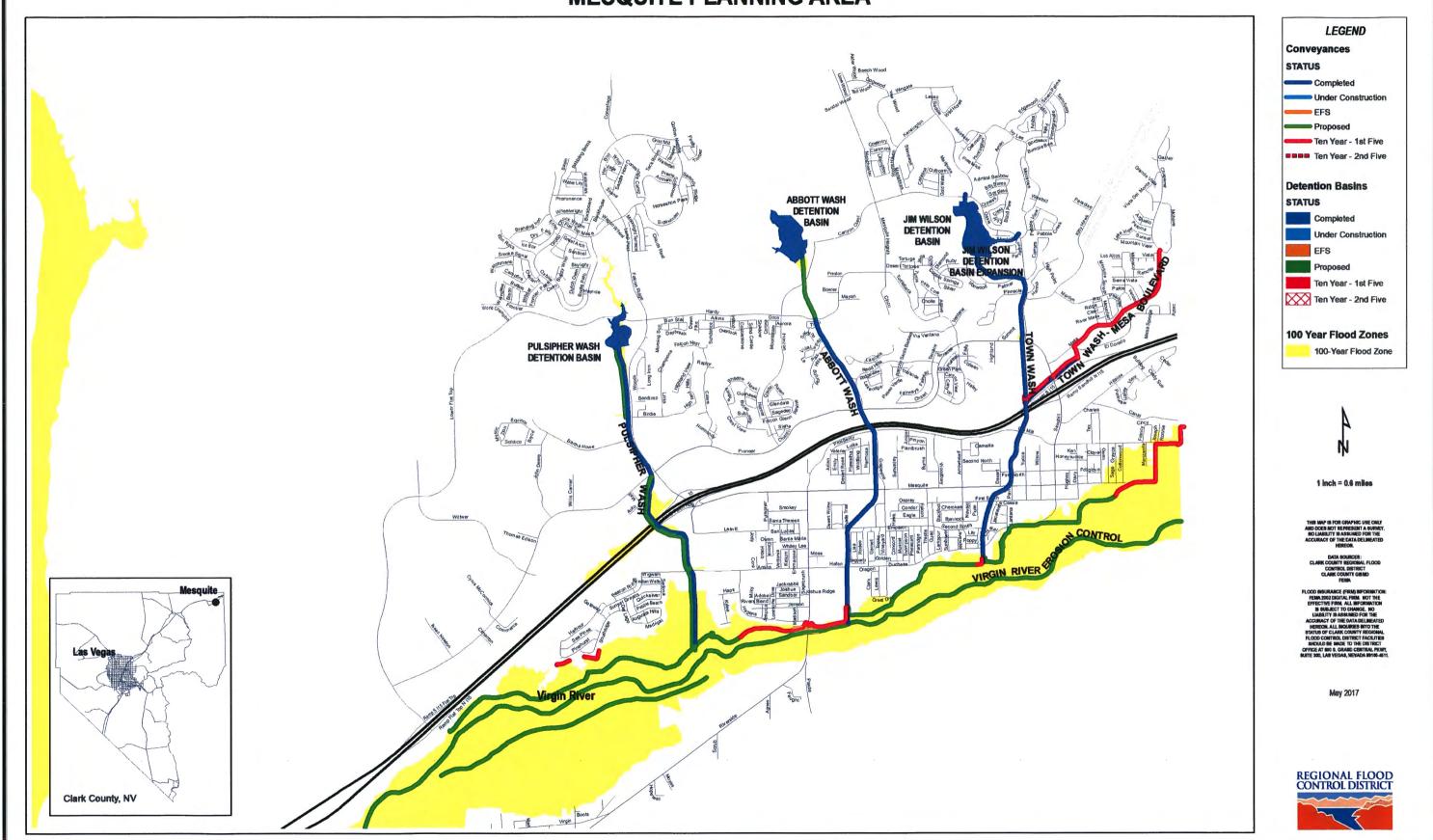
May 2017







TEN-YEAR CONSTRUCTION PROGRAM MESQUITE PLANNING AREA



21. Comments By the General Public

A period devoted to comments by the general public about matters relevant to the Regional Flood Control District Board of Directors jurisdiction will be held. No vote may be taken on a matter not listed on the posted agenda. Comments will be limited to three minutes. Please step up to the speaker's podium, clearly state your name and address and please spell your last name for the record. If any member of the Regional Flood Control District Board of Directors wishes to extend the length of a presentation, this will be done by the Chairman, or the Regional Flood Control District Board of Directors by majority vote.

All comments by speakers should be relevant to the Regional Flood Control District Board of Directors action and jurisdiction.