CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

PRIORITIZATION OF PROJECTS, 10-YEAR CONSTRUCTION PROGRAM, AND FISCAL YEAR 1995/96 PROJECT LIST

PETITIONER:

GALE WM. FRASER, II, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

DISCUSSION AND POSSIBLE ACTION TO APPROVE PROJECT PRIORITIZATION, 10-YEAR CONSTRUCTION PROGRAM, AND FISCAL YEAR 1995/96 PROJECT LIST

FISCAL IMPACT:

None.

Approval does not commit the District to provide funding. Funding will be committed by interlocal contract in accordance with District Policies and Procedures.

BACKGROUND:

On July 14, 1994, the Board approved the Prioritization of Projects, 10-Year Construction Program, and Fiscal Year 1994/95 Project List. Subsequently, two amendments were approved on April 13, 1995. The lists are required to be reviewed and updated on an annual basis; therefore, the agenda backup includes an update of the 10-Year period from FY 1995/96 to 2004/05.

The following exhibits are included in the backup:

Exhibit A - Planning Area Percentages This exhibit includes costs for all Phase 1 Flood Control Facilities for each planning area. This exhibit has been revised to include the updated Phase 1 costs for Moapa Valley as presented in the Master Plan Update for the Moapa Valley adopted by the Board on January 12, 1995.

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TAC AGENDA ITEM #3 Date: 06/29/95

RFCD AGENDA ITEM # 2 ○ Date: 07/13/95 Exhibit B - Revised Priority Values. This exhibit highlights revisions and additions to the tabulation of project priority values. All other priority values assigned to flood control facilities in the Las Vegas Valley remain unchanged. The last revision to the priority value tabulations was approved by the Board on July 14, 1994.

Exhibit C - Draft 10-Year Construction Program. This exhibit is based on the current 10-Year Construction Program with modifications to reflect: 1) funding encumbered by interlocal contract (removed from the list); 2) projects prioritized for funding by the Board (shown in the year funds are expected to be available); 3) requests for amendment to the fiscal year 94/95 project list and 10-year construction program; 4) expected revenues with Corps of Engineers' requirements; 5) the addition of FY 2004/05 (Year 10); 6) input received from each of the entities.

Exhibit D - Summary of Funding to Date. This exhibit is a summary of funding encumbered or requested through May 25, 1995, and depicts the remaining funding programmed on the 10-Year Construction Program (Exhibit C) and Bond Project List. This exhibit demonstrates the present level of funding expended for each planning area and indicates which planning area's 10-year programmed funding places it over or under the target percentages of Phase 1 Flood Control Facilities identified on Exhibit A.

Exhibit E - RFCD Actions to Amend the 10-Year Program. At the request of the Board at their April 13, 1995 meeting, this exhibit has been included and presents a summary of Board actions to amend the 10-Year program and policy criteria addressed The District's Policies and Procedures were amended in with each amendment. September of 1990 to incorporate the nine point plan for expediting projects adopted by the Board in August 1990. The first 10-Year program, subsequent to adoption of the 1991 Master Plan Update, was adopted by the Board in June 1992. This summary commences on August 13, 1992, the date of the first amendment thereafter.

Respectfully submitted,

Gale Wm. Fraser, II, P.E.

General Manager/Chief Engineer

TAC AGENDA **ITEM #3**

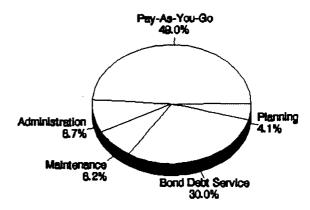
Date: 06/29/95

RFCD AGENDA ITEM #20 Date: 07/13/95

Background:

The proposed 10-Year Construction Program for the period from Fiscal Year 1995/96 through Fiscal Year 2004/05 is attached for your review

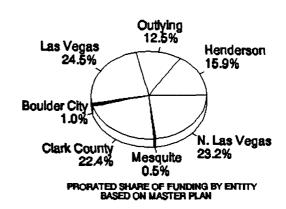
The construction and approval. program revenues are derived from the 1/4% sales tax and interest revenues commonly known as the Pay-As-You-Go program. Revenues for the construction program, based upon an approximate 3% annual increase for the 10-year period, are estimated to be \$247,768,543. This amount does not include the District operating budget, bond debt service, and operation and maintenance of flood control facilities. A pie chart representing the expenditures for a typical fiscal year is depicted on the right.



TYPICAL ALLOCATION OF REVENUES

The target funding percentages for each hydrographic area were established based on a proportionate share of the costs of Phase 1 flood control facilities identified in the Master Plan. The Phase 1 costs were

obtained from the various Master Plan updates that have been completed. Exhibit A, included in the backup, shows the costs of Phase 1 flood control facilities by entity (hydrographic area). The pie chart shown on the right indicates 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 Plan.



Since May 1987, the date the first 1/4% sales tax revenues were received, through the end of April 1995, the District has funded projects totalling approximately \$221,000,000. The \$221,000,000 also includes the \$80,000,000 in general obligation bonds, secured by sales tax revenue, which were sold in November 1991. The District has also expedited funding for projects located in Boulder City and Mesquite in order to complete their larger projects which would have taken years for the funding to accrue at the percentages shown above.

Project Prioritization:

Annually, during review and development of the 10-Year Program, the relative priority of Master Plan projects are reviewed and the priority of any new projects are assessed. Exhibit B, included in the backup, tabulates the priority values for the flood control facilities which have been revised by the entities to reflect current conditions or for projects requested to be added to the program. Exhibit B also presents the criteria used in the evaluation of projects as prescribed in the District Policies and Procedures Section 2.5. During the development of the program this year, priority values were calculated for three new projects. They are:

McDonald Ranch Channel - This project is identified in the Master Plan as a Phase II facility. The City of Henderson has requested that this project be added to the Phase I list. Within the Pittman hydrographic area, this project is located on City of Henderson property and conveys runoff from the natural watercourse downstream of the McDonald Ranch Detention Basin to the Southern Beltway alignment (Lake Mead Drive). The estimated cost is \$2.7 million dollars. The City of Henderson has calculated a priority value of 49.0 for this channel. This project is not included in this 10-Year Construction Program, but will be added in later years.

Oakey Drain - This is an addition to the 10-Year Program. This project is identified in the Master Plan as a Phase II facility. The City of Las Vegas has requested that this project be added to the Phase I list. This stormdrain is within the Central Basin and extends from I-15 to Valley View Boulevard. It will be constructed with a sewer and Regional Transportation Commission project thus limiting the District's funding commitment to oversizing of the stormdrain.

The estimated cost of this reach is \$3.3 million. The priority value recommended by the City of Las Vegas is 91.5.

Several other projects have had their priority values re-evaluated. These projects are listed below:

Southwest C-1 Detention Basin (Black Mountain) - This basin will control runoff from the southwest area of the C-1 Channel System to be delivered to the Mission Hills Detention Basin. The estimated cost is \$3.3 million. The project was previously assigned a priority value of 93.0 which has been by recalculated by the City of Henderson at 79.0.

Northeast C-1 Detention Basin & Outfall - previously prioritized for right-of-way acquisition only as a detention basin and collection levee, this project is now prioritized without the collection levee as a complete project with the outfall. This project is generally located at the base of the River Mountains and will control runoff from the northeast area of the C-1 Channel System. A right-of-way grant is presently being pursued by the City of Henderson through the Bureau of Land Management and the Bureau of Reclamation. The total programmed for this flood control facility is approximately \$6.7 million. The project was previously assigned a priority value of 103.5. The City of Henderson has recalculated the priority for the detention basin and outfall at 77.5.

Northeast/East Levee - This is an addition to the 10-Year Program as a separate project from the Northeast Detention Basin. This project, within the C-1 hydrographic area, will consist of an 8.5 foot high rock levee which will collect runoff at the base of the River Mountains and direct it to the Northeast C-1 Detention. The estimated cost is \$1.8 million. When evaluated with the detention basin, a priority value of 103.5 was assigned. The City of Henderson has calculated a priority value of 78.0 for this levee as a separate project.

Whitney Ranch Channel - Located in the Whitney Ranch area of Henderson, the project was previously assigned a priority value of 83.5 which has been recalculated by the City of Henderson at 55.5.

<u>Cosmo World Detention Basin</u> - This project does not appear on this 10-Year Program but will be added in later years. The project was previously assigned a priority value of 64.0 which has been recalculated by the City of Henderson at 54.0.

East C-1 Detention Basin - This basin controls the watershed upstream of the largest alluvial fan east of Henderson and is ideally situated in a narrow canyon within the River Mountains. A right-of-way grant is presently being pursued by the City of Henderson through the Bureau of Land Management and the Bureau of Reclamation. The project was previously assigned a priority value of 74.5 which has been recalculated by the City of Henderson at 87.5 in response to increased population affected.

Railroad Conveyance - This project does not appear on this 10-Year Program but will be added in later years. The project was previously assigned a priority value of 58.0 which has been recalculated by the City of Henderson at 53.5.

Equestrian Detention Basin Outfall - The project was previously assigned a priority value of 54.0 which has been recalculated by the City of Henderson at 66.0 in response to increased population affected.

McDonald Ranch Detention Basin - The project was previously assigned a priority value of 42.5 which has been recalculated by the City of Henderson at 51.5.

<u>Pittman/Pecos Detention Basin</u> - The priority value now applies to the total project rather than just right-of-way acquisition as previously prioritized. The project is 90% designed under contract to private developers. The project was previously assigned a priority value of 39.5 which has been recalculated by the City of Henderson at 83.0 in response to increased population affected.

10-Year Construction Program:

The proposed 10-Year Construction Program which totals \$249,253,501 is outlined in the backup on Exhibit C. The location of 10-Year Construction Program projects are shown in the attached map labeled "Las Vegas Valley Ten-Year Construction Program". A summary of the proposed program, along with major accomplishments for each entity follows.

HENDERSON

C-1 Channel and Pittman Wash Planning Areas

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 Areas". Henderson projects completed or funded for construction since 1987 include:

Bridges over Pittman Wash at Warm Springs Road, Stephanie Street and Green Valley Parkway

Pittman Wash (improved from Stephanie Street to Robindale Road Phase I and II)

Pittman Wash Phase IIIA from Stephanie Street to I-515 (under construction)

Union Pacific Railroad Channel, (located along the railroad from Pittman Wash to Eastern Avenue was recently completed)

Mission Hills Detention Basin Project (construction completed)

C-1 Channel from Lake Mead to Burkholder, (construction completed to Drake; contract awarded for Drake to Burkholder)

District funding since 1987 for the projects plus design efforts on future projects total approximately \$24,196,000.

The projects proposed on the 10-Year Construction Program include the following:

Mission Hills Western Diversion - This project will increase the contributing drainage area to the Mission Hills Detention Basin. The

design and right-of-way acquisition is complete. A priority for construction funding was approved by the Board on April 13, 1995. Construction funding is expected to accrue by February of 1997. The total programmed for this facility is approximately \$5.5 million.

Equestrian Drive Detention Basin and Collection System - This project is located in the southeast area of Henderson. The design and right-of-way acquisition is complete. A priority for construction funding was approved by the Board on January 12, 1995. Construction funding expected to accrue by December of 1995. Approximately \$5.8 million is programmed for this facility.

<u>Southwest C-1 Detention Basin</u> - This basin will control runoff from the southwest area of the C-1 Channel System. Design, right-of-way engineering and construction is programmed in FY 97/98. This project is generally located at the base of Black Mountain. The total programmed for this flood control facility is approximately \$3.4 million.

Northeast C-1 Detention Basin/Outfall - This basin will control runoff from the northeast area of the C-1 Channel System and outlet to the C-1 Channel. A right-of-way grant is presently being pursued by the City of Henderson through the Bureau of Land Management and the Bureau of Reclamation. Design is programmed in FY 00/01 with construction programmed in the following year. This project is generally located at the base of the River Mountains. The total programmed for this flood control facility is approximately \$6.7 million.

Northeast C-1 Levee - The levee will collect runoff at the base of the River Mountains and direct it to the Northeast C-1 Detention Basin. The outfall will convey flow from the detention basin to the C-1 Channel. A right-of-way grant is presently being pursued by the City of Henderson through the Bureau of Land Management and the Bureau of Reclamation. Design is programmed in FY 01/02 and construction is programmed in FY 02/03. The total programmed for this flood control facility is approximately \$1.8 million.

<u>Sunset Detention Basin</u> - This flood control facility is generally located south of the intersection of Boulder Highway and Sunset

Road. Design and right-of-way acquisition is expected in FY 98/99 with construction occurring in the following year. The amount for this flood control facility is \$6.4 million.

C-1 Channel - Middle Reach (Drake to RR) - The design of the improvements to the middle reach of the C-1 Channel is programmed in FY 98/99 with improvements occurring in the following year. Funding programmed for this flood control facility totals approximately \$5.2 million.

<u>Pittman Park Detention Basin</u> - This project is located just downstream of the UPRR at the upstream end of the existing lower Pittman Channel. It is at an existing sports park site and much of the excavation will soon be completed. Design and construction funding is programmed in FY 98/99. The 10-Year program includes approximately \$0.6 million for this project.

<u>Duck Creek Channel - Sunset to Newport Village</u> - Design in the amount of \$56,000 for this channel reach, extending approximately 1,100 feet upstream from Sunset Road, is programmed in FY 00/01 with \$0.5 million programmed for construction in the same year.

East C-1 Detention Basin - This basin controls the watershed upstream of the largest alluvial fan east of Henderson and is ideally situated in a narrow canyon within the River Mountains. A right-of-way grant is presently being pursued by the City of Henderson through the Bureau of Land management and the Bureau of Reclamation. Design is programmed in FY 99/00 with construction programmed for FY 00/01.

<u>Pittman/Pecos Detention Basin</u> - This basin is located at the base of the McCullough Range, south of Lake Mead Drive near the Pecos alignment. Construction funds are programmed in FY 00/01 in the amount of \$2.9 million.

Whitney Ranch Channel - Located in the Whitney Ranch area of Henderson, funds for design and construction are programmed in FY 01/02 in the amount of \$1.1 million.

Gibson Channel - This channel conveys flow along Gibson Road and natural flow paths from I-15 to Boulder Highway. Design and right-of-way engineering are programmed in FY 02/03 with construction programmed in the following year. Approximately \$3.2 million is included on the 10-year program for this project.

Equestrian Basin Outfall - This is the outfall from the Equestrian Detention Basin which outlets to the C-1 Channel. Design and right-of-way engineering is programmed in FY 03/04 with construction in the following year. The 10-Year program includes approximately \$5.1 million for this project.

The funding programmed for the C-1 Channel and Pittman Wash Planning Areas in Henderson total approximately \$49.9 million on the 10-Year Construction Program.

Las Vegas

Central Basin Planning Area and Gowan Planning Area

A summary of the proposed program, along with major accomplishments for the City of Las Vegas is shown on the attached map labeled "Gowan and Central Basin Planning Areas". City of Las Vegas projects completed or funded for construction since 1987 include:

Meadows Detention Basin and Collection System

Durango Drive Stormdrain (located between Charleston Boulevard and Angel Park Detention Basin)

Angel Park Outfall Stormdrain (located in Vegas Drive between Angel Park Detention Basin and the Buffalo Channel)

Buffalo Channel between Gowan Detention Basin and Doe Avenue Gowan Detention Basins

Gowan Detention Basin Outfall (stormdrain located in Gowan Road between Tenaya Way and Decatur Boulevard)

Carey Avenue/Lake Mead Detention Basin and Conveyance System (located along Lake Mead Boulevard between I-15 and Michael Way)

Oakey Boulevard Detention Basin and Outfall (Nearing completion) I-15 Freeway Channel (Constructed as part of the I-15/Sahara Avenue Interchange project)

Washington Avenue System (Las Vegas Creek from Las Vegas Wash along Sandhill Road to Washington Avenue then along Washington Avenue to Virgil (Complete); Virgil to Lena Street (Complete); Lena to Eastern (Under construction); Eastern to Sagman (Prioritized for funding projected to be available in the middle part of 1996)

Alta Stormdrain part of the Meadows Detention Basin Collection System (Completed)

Cheyenne Crossings developer participation project at Rampart, Soft Breezes and Soaring Gulls (Under construction)

Rampart stormdrain in conjunction with REC (Under construction). Cheyenne Channel Gowan South Detention Basin to Buffalo Drive (Under construction).

Lone Mountain Detention Basin (Right-of-way Acquisition, Environmental Mitigation and Construction Engineering)

District funding since 1987 for the projects plus design efforts on future projects total approximately \$61,040,000.

The projects proposed on the 10-Year Construction Program include the following:

Angel Park Detention Basin Expansion - The existing Angel Park Detention Basin will be expanded to provide more flow reduction and flood protection to the downstream system. Efforts to complete the expansion through Bureau of Land Management material sales failed. The City plans to contract for the remaining excavation and minimize cost by making the material available to various public projects. The \$1.8 million for this project was prioritized by the Board on February 9, 1995. Funds are expected to accrue by April of 1996.

Washington Avenue/ I-15 Freeway Channel South System - This System, including the drainage of the Charleston Underpass, will major improvements during the next 10 years. Construction and design funding is programmed in all ten years of the proposed 10-Year Construction Program. It is anticipated that Washington Avenue from Lena Street to the Spaghetti Bowl (I-15/I-515 Interchange) will be constructed along with the collection system from Charleston Boulevard to the Spaghetti Bowl. segment north of Charleston Boulevard will collect most of the flows that presently inundate the Charleston Underpass. system necessary to collect these flows (Freeway Channel South) is programmed for design in FY 00/01 and construction in FY 00/01 through FY 02/03. The total funding programmed for this system is approximately \$30.3 million.

<u>Oakey Drain</u> - Extending from I-15 to Valley View Drive. This project has been added to take advantage of proposed sewer and RTC improvements thereby limiting District funding to the oversizing of the stormdrain. Design and construction are programmed in FY 96/97 totaling \$2.6 million.

Gowan North Channel - This project originates at the Gowan Detention Basin and extends to the northwest of the basin. The project will collect flow from an area that otherwise may bypass the basins; thereby improving the effectiveness of the Gowan Detention Basin Project. Design of the reach from the detention basins to Lone Mountain Road is programmed to begin in FY 95/96 with

construction to be completed throughout the 10 year period. The project from Lone Mountain Road to the CAM-10 detention basin is programmed for design in FY 04/05. Total funding programmed for this flood control facility is approximately \$7.9 million.

<u>Freeway Channel North</u> - This project is located west of I-15 and is comprised of a stormdrain in Washington Avenue from I-15 to Martin Luther King Boulevard. This project is expected to coincide with a street improvement project, thereby limiting the District's participation to oversizing of the stormdrain. Funding programmed for design in the amount of \$70,000 is presently before the Board (July 1995) and construction is programmed in FY 96/97 is \$700,000.

Owens Avenue System - This project is located west of I-15 and is comprised of a stormdrain in Owens Avenue between I-15 and Rancho Drive. It is anticipated that this project will be built as part of a street improvement project, thereby limiting District funding to the oversizing of the stormdrain. Design is programmed in FY 96/97 with construction the next year. Total funding programmed for this flood control facility is approximately \$3.1 million.

Lone Mountain Outfall To Durango - This is the outfall for the Lone Mountain Detention Basin which is currently in its first phase of construction. The outfall outlets to the Gowan North System. Design is programmed in FY 97/98 with construction in the following year. The estimated total cost of the project is \$1.2 million.

Colorado Avenue System - This facility consists of a stormdrain located in Colorado Avenue approximately 1300 feet south of Charleston from the Las Vegas Wash to I-515. Predesign is programmed in FY 99/00, final design in FY 02/03 with construction to begin in the following year. Approximately \$5.4 million is included on the 10-Year program for this project.

The Central Basin and Gowan Planning Areas (Las Vegas) of the 10-Year Construction Program total \$51.9 million.

North Las Vegas

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 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 "Northern Las Vegas, Range, and Lower Las Vegas Wash Planning Areas". Projects completed or funded for construction since 1987 include:

Western Tributary of the Las Vegas Wash from Alexander Road to north of Craig Road

Las Vegas Wash Improvements and King Charles Diversion project from I-15 to Craig Road

West Range Wash Diversion Dike (nearing completion)

Camino Al Norte Crossing of the Western Tributary of the Las Vegas Wash (first developer participation contract with the District)

Gowan Outfall project from Decatur Boulevard to the Western Tributary of the Las Vegas Wash

Upper Las Vegas Wash Detention Basin and Diversion Dike project (located on the Las Vegas Wash at the upstream area of the Las Vegas Valley)

Kyle Canyon Detention Basin

Phase 1 Confluence Detention Basin - NAFB Golf Course Channel Sloan Channel (Range Wash) Stewart to Owens

Lower Las Vegas Wash Detention Basin (Design Started)

West Range Channel - Nellis AFB to Las Vegas Blvd (Design Started)

District funds since 1987 for the projects plus design efforts on future projects total approximately \$63,657,000.

Projects proposed on the 10-Year Construction Program include the following:

<u>Sloan Channel (Range Wash) Improvements</u> - The Sloan Channel Improvement project extends from the Las Vegas Wash northerly to Stewart Avenue. Design has already been funded and construction funding is programmed in FY 99/00, FY 02/03 and FY 03/04. The total amount programmed for this flood control facility is approximately \$5.0 million.

Western Tributary of the Range Wash - This project is consists of channel improvements to the western tributary of the Range Wash (Sloan Channel) from Nellis AFB to the Union Pacific Railroad (UPRR) located upstream of Las Vegas Boulevard. Design of the reach below Las Vegas Boulevard is underway with right-of-way acquisition programmed in FY 96/97. Construction is programmed in FY 98/99, FY 99/00 and FY 02/03. Design and right-of-way acquisition for the reach from Las Vegas Boulevard to the UPRR is programmed in FY 00/01 with construction in the following year. The amount programmed for this flood control facility totals approximately \$8.7 million.

<u>Sunrise Mountain Detention Basin</u> - This project includes four detention basins located east of the Range Wash (Sloan Channel) between Lake Mead Drive and Stewart Avenue. The design and right-of-way for these flood control facilities is programmed in FY 01/02. Construction is programmed in the last two years of the proghram. The total amount programmed is \$3.9 million.

Lower Las Vegas Wash Detention Basin - This detention basin is located on the Western Tributary of the Las Vegas Wash near the intersection of Ann Road and Allen Lane. Engineering is underway with construction scheduled over FY 96/97 through FY 98/99. The total amount programmed for this flood control facility is \$8.5 million.

Las Vegas Wash Western Tributary - The improvements to the Las Vegas Wash Western Tributary between Lake Mead Drive and

Camino Al Norte including the confluence structure at Craig Road are included in the program. Design of the reach below Las Vegas Boulevard is programmed in FY 96/97 with construction in FY 00/01. Design of the reach above Las Vegas Boulevard is programmed in FY 01/02 with construction distributed between FY 02/03 and FY 03/04. The amount programmed for this flood control facility is approximately \$13.0 million.

<u>Upper Las Vegas Wash</u> The improvements to the Upper Las Vegas Wash from Craig Road to Ann Road are included in the program. Design is programmed in FY 03/04 with construction in the following year. Approximately \$3.2 million is included on the 10-Year Program for this project.

East Range Wash Detention Basin The design of the East Range Wash Detention Basin is programmed in FY 03/04 with construction in the following year. Approximately \$2.7 million is included on the 10-Year Program for this project.

The Northern Las Vegas Wash, Range Wash and Lower Las Vegas Wash Planning Areas (North Las Vegas) of the 10-Year Construction Program total approximately \$42.9 million.

Clark County

Duck Creek/Blue Diamond Planning Area Tropicana/Flamingo Planning Area

A summary of the proposed program, along with major accomplishments for Clark County is shown on the attached map labeled "Flamingo, Tropicana, Duck Creek, and Blue Diamond Planning Areas". Projects completed or funded for construction since 1987 include:

Upper Flamingo Detention Basin and Outfall

Rawhide Channel System

Van Buskirk Channel System (the final phase will start construction soon)

Winnick Avenue Improvements of the Flamingo Wash

Tomiyasu and La Casita crossings of Duck Creek

Flamingo Wash Bridges - Arville, Eastern, Paradise, Palos Verdes

East Range Wash Detention Basin Phase I (Nellis Golf Course Channel to Confluence Detention Basin)

Red Rock Detention Basin Expansion (To start construction summer 1995)

District funding since 1987 for the projects plus design efforts of future projects total approximately \$50,458,000.

The projects proposed on the 10-Year Construction Program include the following:

Corps of Engineer's (COE) Tropicana/Flamingo Project - The Program includes approximately \$41,142,000 in the first six years to make up the Local Share at 25% to match the COE funding at 75%. The project includes the Tropicana and Blue Diamond detention basins; enlargement of the Red Rock and Upper Flamingo detention basins; four foothill debris basins; and the 27 miles of primary connecting channel network.

Lower Duck Creek Detention Basin - This project is located south of the intersection of Pebble Road and Bermuda Road. Pre-design and right-of-way acquisition has been completed. Final design is programmed in FY 01/02 with construction spread over FY 01/02 and FY 02/03. The total programmed for this detention basin is approximately \$8.3 millon.

Flamingo Wash (Tropicana Wash to Decatur Boulevard) - Design and right-of-way engineering for these wash improvements are programmed in FY 02/03 with construction spread over FY 02/03 and FY 03/04. Approximately \$5.0 million is included in the 10-Year program for this project.

Flamingo Wash (McLeod to Tropicana Wash) - Design and right-of-way engineering for these wash improvements are programmed in FY 03/04 with construction spread over FY 03/04 and FY 04/05. Approximately \$2.5 million is included in the 10-Year program for this project.

Buffalo/Desert Inn Drain; Rainbow Drain; Desert Inn Detention Basin Approximately \$2.5 million is programmed in the final year of the 10-Year program for design, right-of-way and construction of this detention basin and collector stormdrain.

The Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Areas (Clark County) of the 10-Year Construction Program total approximately \$60,410,000.

Clark County Outlying Areas

Projects funded by the District in the Outlying Areas since 1987 include:

Cooper Crossing in Moapa Valley
Logan (Benson) Wash Improvements in Moapa Valley
Unnamed Wash Improvements in Laughlin
Searchlight (to begin construction this summer)
Hiko Springs Detention Basin (SID and District Funded, construction to start this summer)
Goodsprings (design completed)

District funding for the projects plus the design of future projects total approximately \$10,530,000.

The projects proposed on the 10-Year Construction Program for the Outlying Areas include the following:

Goodsprings Improvements - This project consists of a diversion dike and channel improvements for Goodsprings, Nevada. The design and partial construction has been funded previously and additional construction funding is proposed in FY 96/97 in the amount of \$500,000.

Bunkerville Improvements - This project as proposed, is a channel through the town. The Bunkerville Town Advisory Board has expressed a desire to have a detention basin and conveyance system in lieu of the proposed project. These concerns will be addressed in the Master Plan Update currently in progress. The design has been previously funded and additional construction funding is proposed in FY 96/97 in the amount of \$1.6 million.

Muddy River - This project consists of channel excavation above normal high water level along the Muddy River in Moapa Valley. Design and right-of-way acquisition was prioritized for funding by the Board on January 12, 1995 and funds are expected to accrue by February 1996. FY 97/98 and FY 98/99 include \$6.6 million for construction.

Overton Wash Improvements in Moapa Valley - The project has a total of \$10.0 million programmed for design and construction in FY 98/99 through FY 04/05.

Blue Diamond Improvements - This project includes a dike and modifications to an existing bridge in Blue Diamond. Design and construction are programmed in FY 99/00 in the amount of \$250,000.

Bridge Canyon Floodway and Outfall in Laughlin - This project consists of a collection and diversion channel from the apex of the Bridge Canyon alluvial fan to the Colorado River. The Master Plan cost estimate for these flood control facilities is \$9,250,000. The 10-Year Construction Program proposes design in FY 99/00 in the amount of \$576,000 and construction funding is proposed from FY 99/00 through FY 01/02 in the amount of \$9.3 million.

Hiko Springs Detention Basin Outfall in Laughlin - Funding for the design of the outfall for the Hiko Springs Detention Basin is programmed in FY 96/97 with construction spread over FY 96/97 and FY 97/98. Approximately \$3.0 million is programmed for this project.

Indian Springs Improvements - The project includes two diversion dikes and a bridge to provide flood control to Indian Springs. The design is programmed in FY 00/01 in the amount of \$100,000 with construction in the amount of \$495,000 in the following year.

The Outlying Area of the 10-Year Construction Program totals approximately \$33,809,000.

Boulder City

Projects completed since 1987 include:

Buchanan Boulevard Channel Georgia Avenue Channel Hemenway Wash Improvements

These projects total approximately \$6,542,000 in District funding. The Hemenway Wash Improvements project cost was \$5,516,000. In order to complete this sizable project in a timely manner, the funding was expedited. Due to the expedited funding for projects in Boulder City, along with the percentage of Phase 1 Flood Control Facilities, no projects had been proposed on the previous 10-Year Construction Programs since FY 91/92.

With this 10-year program Boulder City is introduced again with funding proposed in Year 10. Funding in the amount of \$5.1 million is provided in the following planning areas of Boulder City:

West Airport Watershed North Railroad Watershed Georgia and Buchanan Watershed

More specific project descriptions and priority rankings will be provided in response to Master Plan Updates and as the programmed funding enters the first five years of the program.

Mesquite

The Town Wash Detention Basin was funded by the District in previous years. This project totalled approximately \$4,362,000. In order to complete this sizable project in a timely manner, the funding was expedited. Due to the expedited funding for the Town Wash Detention Basin Project, along with Mesquite's percentage of Phase 1 Flood Control Facilities, no projects had been proposed on the previous 10-Year Construction Programs since FY 91/92.

With this 10-year program the City of Mesquite is introduced again with funding proposed in Year 10. Funding in the amount of \$6.0 million is programmed to improve the channels from I-15 to the Virgin River on the Town Wash, Abbott Wash and Pulsipher Wash. More specific project descriptions and priority rankings will be provided in response to Master Plan Updates and as the programmed funding enters the first five years of program.

FY 95/96 Project List:

The first year of the 10-Year Construction Program comprises the recommended FY 95/96 Project List. The project list totals \$24,722,000 and is funded from the estimated 1/4% sales tax revenue, a carry over amount from the previous fiscal year and funds remaining from previous set asides for the Corps of Engineers Tropicana/Flamingo Washes project. Projected revenue for the first year is \$28,238,000. The proposed FY 95/96 Project List is as follows:

Henderson (C-1 Channel and Pittman Wash Planning Areas):

Equestrian Drive Detention Basin: Construction in the amount of \$5,800,000 (Prioritized for funding by Board action January 12, 1995; funds expected to accrue by December 1995)

Total First Year: \$5,800,000

Las Vegas (Central Basin and Gowan Planning Areas):

Angel Park Detention Basin Expansion: \$1,785,000 is programmed to contract for the expansion of the storage. (Prioritized for funding by Board action February 9, 1995; funds expected to accrue by April of 1996)

Washington Avenue System: \$3,805,000 is programmed for construction of the project from Eastern to Sagman. (Prioritized for funding by Board action April 13, 1995; funds expected to accrue by August of 1996)

Oakey Drain: \$110,000 is programmed for design in order to identify opportunities for combination with RTC project thus resulting in cost savings to both funding sources.

Gowan North Channel: \$300,000 is programmed for design of the reach from the North Gowan Detention Basin to Lone Mountain Road.

Freeway Channel North (Washington Avenue I-15 to Martin Luther King): \$70,000 is programmed for design.

Total First Year: \$6,071,000

North Las Vegas (Northern Las Vegas Wash, Range Wash and Lower Las Vegas Wash Planning Areas):

There are no projects included on the FY 95/96 project list in the wake of the completion of the \$14.4 million Kyle Canyon Detention Basin.

Total First Year:

\$0

Clark County (Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Area):

Corps of Engineer's Tropicana/Flamingo Project: \$11,201,000 is programmed to meet the forecasted demands for local share for the project. Unexpended funds set aside in the previous year, in the amount of \$6.2 million, were applied to expected revenue projections to fund this years Corps activities.

Total First Year:

\$11,201,000

Outlying Areas:

Muddy River: Design and right-of-way acquisition is programmed in the amount of \$1,650,000 for this project in the Moapa Valley. (Prioritized for funding by Board action January 12, 1995; funds expected to accrue by February of 1996)

Total First Year:

\$1,650,000

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EXHIBIT A

Exhibit A

PHASE 1 CONSTRUCTION PROGRAM

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			Phase 1	Percent of
Entity	Planning Area		Costs	Phase 1
Hender	son :			
	C-1 Channel Planning Area (a)		\$27,000,000	
	Pittman Wash Planning Area (c)		\$37,188,000	
		Total	\$64,188,000	15.9%
Las Ve	gas (Central Las Vegas Valley) :			
	Central Basin Planning Area (b)		\$53,560,000	
	Gowan Planning Area (a)		\$45,720,000	
		Total	\$99,280,000	24.5%
North I	as Vegas (Northern Las Vegas Valley) :			
	Nothern Las Vegas Wash Planning Area (a)		\$52,740,000	
	Range Wash Planning Area (a)		\$28,560,000	
	Lower Las Vegas Wash Planning Area (a)		\$12,440,000	
		Total	\$93,740,000	23.2%
Clark C	County (Southwest Las Vegas Valley) :			
	Duck Cr/Blue Diamond Planning Area (a)		\$33,000,000	
	Flamingo/Tropicana Planning Area (a)		\$57,440,000	
		Total	\$90,440,000	22.4%
Clark (County (Outlying Area) :			
	Outlying Planning Area (f)		\$50,609,827	
		Total	\$50,609,827	12.5%
Boulde	r City :			
]	Boulder City Planning Area (d)		\$4,220,000	
		Total	\$4,220,000	1.0%
Mesqu	ite :			
İ	Mesquite Planning Area (e)		\$2,040,000	
		Total	\$2,040,000	0.5%
	TOTAL		\$404,517,827	100.0%

Notes:

- (a) Phase 1 Construction Program from "The Master Plan Update of the Las Vegas Valley," dated August 1991, by JMM
- (b) Phase 1 Construction Program from "The Master Plan Update of the Las Vegas Valley," dated August 1991, by JMM modified by City of Las Vegas
- (c) Phase 1 Construction Program from "The Master Plan Update of the Las Vegas Valley," dated August 1991, by JMM modified by City of Henderson
- (d) Phase 1 Construction Program from "Boulder City Flood Control Master Plan ," dated July 1990, by Coe and Van Loo
- (e) Phase 1 Construction Program from "City of Mesquite Flood Control Master Plan Update," dated October 1991, by CH2M Hill
- (f) Phase 1 Construction Program totals \$39,083,000 for the Outlying Areas from the following sources: \$14,369,000 from "Flood Control Master Plan for Moapa Valley, Nevada," dated November 1994, by Montgomery Watson
 - \$1,863,000 from "Flood Control Master Plan, Bunkerville, Nevada," dated May 1990, by The Mark Group \$19,800,000 from "Hiko Springs and Unnamed Wash, Laughlin Big Bend Area," dated May 1989, by Boyle \$9,640,000 from "Bridge Canyon Wash Flood Control Master Plan," dated September 1990, by Coe and Van Loo
 - \$2,470,000 from "Master Plan Update, Outlying Areas," dated September 1991, by G.C. Wallace, the following:

Blue Diamond: \$169,881 Goodsprings: \$352,737 Indian springs: \$594,700 Nelson: \$193,810

Searchlight: \$405,807 Stateline: \$750,892

EXHIBIT B

Proposed Amendments 1995

Exhibit B

Page 1 of 5

As Amended by the Board on August 13	Planning	Project	Pop.	Land	Public	Access	Avoid.	Funding	Relation.	CCRFCD\	Environ.	Mainten.	_	
Facility Description	Area	Cost	val (5.0)		↓ 	val (3.5)	val (3.0)		val (2.0)		val (1.0)	val (0.5)	val	
HENDERSON :	_ Alea	Cost	Val (5.0)	Val (4.5)	[Vai (4.0)	V8I (3.5)	Vai (3.0)	val (2.5)	[Vai (2.0)	val (1.5)	[Vai (1.0)	Van (U.S)	Val	
UPRR Channel	Pittman	\$3,086,000	5	5	5	3	5	1 0	4	T =	Ta	14	42	
	ritunan	43,086,000	25.0	1	1 -	1	1	2 = 0	1 '	5 7.5	4 5 4.0	1	1	110
Lower C-1 Channel (Lake Mead Dr	C-1 Ch.	\$4,140,000	5	4	20.0	5	15.0 5	5.0	4	4	2	4	37	119
Drake St.)	0.1011.	V4, 140,000	25.0	18.0	_	l *	_	i –	1	1 '	1 -			106
Sunset Detention Basin, Collection	Pittman	\$6,420,000	2	4	4	4	4	3	4	3	1	3	32	
System and Outfall (incl. ROW)		10,420,000	10.0	18.0	1	l '	1 -	Ť	l '	1	1 '	l -		92
Mission Hills Detention Basin and	C-1 Ch.	\$6,120,000	4	4	3	4	4	4	4	4	2	3	36	
Collection System (incl. ROW)		,,	20.0	18.0	12.0	14.0	12.0	1	1 '	1		1 -	1	103
Southwest C-1 Detention Basin (ROW	C-1 Ch.	\$15,000	3		3		•						*** 77*	
scq. }			15.0	18.0	12.0	10,5	6.0	2.5	8.0		1.0	1.5		79
Northeast C-1 Detention Basin	Col Ch	\$6,520,000	3	4	3	3	2			2			7.6	
& Outfall			15.0	18.0	12.0	10.5	6.0	2.5	8.0		1.0	1.5		77
Equastrian Dr Detention Basin &	C-1 Ch.	\$4,780,000	4	4	4	3	4	4	3	4	3	3	36	**********
Collection System (incl. ROW)			20.0	18.0	16.0	10.5	12.0	10.0	6.0	6.0	3.0	1.5	;	103
C-1 Channel - Middle Reach (Drake	C-1 Ch.	\$5,230,000	3	3	4	2	2	1	4	4	4	4	31	
St RR)	<u> </u>		15.0	13.5	16.0	7.0	6.0	2.5	8.0	6.0	4.0	2.0		80
Pittman Park Detention Basin	Pittman	\$565,000	2	3	3	4	3	4	5	5	3	3	35	
·			10.0	13.5	12.0	14.0	9.0	10.0	10.0	7.5	3.0	1.5		90
Duck Creek Channel, Sunset to	Duck Creek	\$560,300	3	3	4	3	2	1	3	3	4	5	31	
Newport Village			15.0	13.5	16.0	10.5	6.0	2.5	6.0	4.5	4.0	2.5	<u> </u>	80
Pittman Wash (Duck Creek -	Pittman	\$4,390,000	1	5	3	5	2	4	5	4	2	2	33	
Stephanie St)			5.0	22.5	12.0	17.5	6.0	10.0	10.0	6.0	2.0	1.0		92
Whitney Ranch Channel	Pittman	\$1,092,00G	1	4	4	1	1	1	2	1	1	2	18	
2			5.0	18.0	16.0	8.5	3.0	2.5		******************	***************************************			55.
Gibson Conveyance System	Pittman	\$2,980,000	1 _	2	2	4	3	2	4	2	2	3	25	
			5.0	9.0	8.0	14.0	9.0	5.0			4	000000000000000000000000000000000000000		64.
Cosmo World Detention Besin (incl.	Pittmen	\$9,860,000		3		1	4	1	4	2	2	1	20	
ROW) East Detention Basin (Incl. ROW)	D 1 CL	** *** ***	5.0	13.5	4.0	3.5	12.0	2.5		8.0			_	54
cast Detendon Basin (Hit), NOVI	C-1 Ch.	\$1,630,000	4	3	3	4	3	1	3	4	3	3	31	
Railroad East Conveyance	Pittman	\$5,608,000	20.0	13.5	12.0	14.0	9.0	2.5	6.0	6.0	3.0			87
& Detention Basin	rituitati	95,608,000	5.0	9.0	4.0	2 7.0	2 6.0	3 7.5	4 8.0	3	2	1	21	
Equestrian Dr Detention Basin Outfall	C-1 Ch.	\$5,070,000	2	3	2	2	3	2	3.0	4.5 2	2.0	0.5		53.
Ednestium Di Ottemper Gesir odiran	Ø10	75,070.000	10.0	13.5	8.0	7.0	9.0	5.0	8.0	3.0			23	
Mac Donald Ranch Detention Basin	Pittman	\$70,000	1	3	0	1	4	2	4	2	,	0.5	52	66.
ROW acq.)	· LVALVIDALY	270,000	5.0	13.5	0.0	3.5	********* !	5.0		3.0	1.0	0.5		51.
Pitmen Pecos Detention Basin	Pittman	\$3,468,000	4	4	7	, ,	4	4		4	1	9.0	83	
			20.0	18.0	4.0	3.5	12.0	10.0	8.0	6.0	1.0	0.5		83.
Northeast/East Leves	C-1 Ch.	\$1,830,300	3	4	4		2	1	3	1	1	3	78	
			15.0	18.0	16.0	10.5	6.0	2.5	6.0	1.5	1.0	1.5		78.
McDonald Rench Channel	Pittmen	\$120,000	1	2	7	0	4	2		3			49	
			5.0	9.0	4.0	0.0	12.0	5.0	8.0	4.5	1.0	0.5		49.

Proposed Amendments	1995	

As Amended by the Board on August 13, 1992; November 12, 1992; December 10, 1992; August 11, 1993; July 14, 1994 file:n:\CCRFCD\10vear\fv95 96\prir9596.xls Relation, Implem. Environ. Meinten, TOTAL Planning Project Pop. Land Public Access Avoid Fundina Facility Description val (5.0) | val (4.5) val (3.0) val (1.5) val (1.0) yal (0.5) Ival Area Cost val (4.0) val (3.5) val (2.5) | val (2.0) LAS VEGAS (Central Las Vegas Valley): Carey Ave/Lake Mead Detention Central \$4,200,000 35 Basin 20.0 13.5 16.0 10.5 15.0 10.0 6.0 7.5 1.0 1.5 101.0 Oakev Detention Basin and Central \$6,600,000 35 Collection System 20.0 18.0 12.0 17.5 6.0 12.5 6.0 6.0 1.0 2.0 101.0 Oakey Detention Basin Outfall Central \$3.890.000 35 20.0 18.0 12.0 17.5 6.0 12.5 6.0 6.0 1.0 2.0 101.0 Gowan Outfall Structure (Decatur -Gowan \$4,530,000 3 34 Tenava Way) 20.9 20.0 14.0 6.0 2.5 10.0 7.5 1.0 1.5 100.5 18.0 Gowan Detention Basins Gowan \$11,560,000 3 34 20.0 18.0 20.0 14.0 6.0 2.5 10.0 7.5 1.0 1.5 100.5 Angel Park Detention Basin Gowan \$100,000 35 Expansion 20.0 18.0 8.0 14.0 12.0 12.5 10.0 3.0 1.0 2.0 100.5 Chevenne Channel Gowan \$1,000,000 36 15.0 13.5 16.0 14.0 12.0 12.5 10.0 1.0 2.0 100.5 Peccole Ranch Outfalls (Rampart \$1,490,000 Gowan 37 15.0 Storm Drain) 13.5 12.0 14.0 12.0 12.5 10.0 7.5 1.0 2.0 99.5 Washington Avenue Channel - Reach Central \$7,740,000 36 20.0 1 (Las Vegas Wash - Honolulu) 13.5 16.0 17.5 9.0 2.5 8.0 7.5 3.0 2.0 99.0 Washington Avenue Channel - Reach Central \$5,750,000 36 2 (Honolulu - Moiave Rd) 20.0 9.0 99.0 13.5 16.0 17.5 2.5 8.0 7.5 3.0 2.0 Washington Avenue Channel - Reach Central \$3,420,000 36 20.0 9.0 3 (Mojave Rd - 24th St) 17.5 7.5 3.0 2.0 99.0 \$4,080,000 Washington Avenue Channel - Reach Central 36 4 (24th St - F St) 20.0 17.5 9.0 7.5 13.5 3.0 2.0 99.0 \$7,680,000 Washington Ave Channel Parallel Central 5 3 5 36 20.0 17.5 9.0 2.5 8.0 Drain to F St. 13.5 16.0 7.5 3.0 2.0 99.0

Proposed Amendments 1995	

As Amended by the Board on August 13, 1992; November 12, 1992; December 10, 1992; August 11, 1993; July 14, 1994 file:n:\CCRFCD\10year\fy95 96\prir9596.xls Planning Project Land Public Access Avoid. Funding Relation, Implem. Environ. Mainten, TOTAL Pop. val (5.0) val (4.5) Facility Description Area Cost val (4.0) val (3.5) val (3.0) val (2.5) val (2.0) val (1.5) val (1.0) val (0.5) val LAS VEGAS (Central Las Vegas Valley) (continued): Phase 1 Charleston Underpass Central 32 \$9,380,000 3 5 2 2 Solution/Freeway Conveyance 25.0 20.0 13.5 17.5 6.0 5.0 4.0 4.5 1.0 2.0 98.5 Buffalo Channel (Vegas Dr -\$3,980,000 34 Gowan 5 3 Charleston) 15.0 13.5 12.0 10.5 12.0 10.0 10.0 2.0 1.5 92.5 Gowan North Channel (Detention Gowan \$4.960,000 5 2 30 Basin - Lone Mountain) 20.0 10.5 87.5 13.5 16.0 _9.0 2.5 10.0 3.0 1.0 2.0 Gowan North Channel (Lone Mountain \$7,250,000 Gowan 3 5 2 30 CAM-10 Detention Basin) 20.0 13.5 16.0 10.5 9.0 2.5 10.0 3.0 1.0 2.0 87.5 CAM-10 Detention Basin (West Gowan \$3,510,000 3 2 4 28 Centennial) 15.0 13.5 16.0 10.5 9.0 2.5 8.0 3.0 1.0 2.0 80.5 West Charleston Drain (Martin L. King -\$1,900,000 Central 2 2 2 26 Rancho Dr.) 20.0 9.0 16.0 14.0 6.0 2.5 4.0 1.0 1.0 79.5 Freeway Channel North - Drain and \$3,000,000 Central 27 2 Culvert (Washington W. of I-15) 15.0 13.5 12.0 10.5 6.0 2.5 10.0 6.0 1.0 1.0 77.5 I-15 Freeway Channel \$1,492,000 5 Gowan 2 2 2 3 4 31 (Sahara Avenue to Charleston) 20.0 13.5 20.0 17.5 6.0 5.0 4.5 1.0 2.0 93.5 Meadows-Alta Phase V Central \$954,800 5 3 35 15.0 15.0 2.5 (Falcon Lane to Jones Boulevard) 13.5 16.0 17.5 10.0 7.5 1.0 1.5 99.5 Lone Mountain Detention Basin \$5,000,000 Central 2 3 39 15.0 18.0 16.0 17.5 15.0 12.5 8.0 6.0 2.0 1.5 111.5 \$14,770,000 Colorado Avenue System Central (Las Vegas Wash to I-515) 15.0 17.5 9.0 16.0 9.0 5.0 10.0 6.0 1.0 1.5 90.0 \$1,620,000 Chevenne Channel Crossings 39 Gowan 20.0 18.0 12.0 17.5 12.0 10.0 10.0 7.5 2.0 1.0 110.0 \$3,005,000 Owens Avenue System Central 34 20.0 13.5 12.0 10.5 9.0 7.5 12.5 8.0 1.0 1.5 95.5 Central \$6,888,000 5 Oakey Stormdrain 28 20.0 13.5 12.0 10.5 15.0 10.0 6.0 3.0 1.0 0.5 91.5

Proposed Amendments 1995

As Amended by the Board on August 13, 1992; November 12, 1992; December 10, 1992; August 11, 1993; July 14, 1994

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As Amended by the Board on August 1:	7			T	7		7					Oyear\fy	_			
-	Planning	Project	Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Imple		Environ	-	ainten.	ТОТ	AL
Facility Description	Area	Cost	val (5.0)	val (4.5)	val (4.0)	val (3.5)	val (3.0)	val (2.5)	val (2.0)	val (1.	.5)	val (1.0	va	I (0.5)	val	
NORTH LAS VEGAS (Northern Las Vega	s Valley) :						,									
Confluence Detention Easin (incl.	Range	\$7,720,000	5	5	5	5	4	1	4	5		2	4	ŧ	40	
ROW)			25.0		20.0	17.5	12.0	2.5	8.6		7.5	2	.0	2.0	4	119
Upper Las Vegas Wash Interception	N. LV Wash	\$3,310,000	5	5	4	3	4	1	4	4	ı	2	2	2	34	
Berm/Channel			25.0		16.0	10.5	12.0	2.5	8.0	<u> </u>	6.0	2	0	1.0	<u>!</u>	105.
Upper Las Vegas Wash Detention	N. LV Wash	\$10,120,000	5	5	4	3	4	1	4	4		2	2	2	34	
Basin			25.0	22.5	16.0	10.5	12.0	2.5	8.0	<u> </u>	6.0	2	0	1.0	1	105.
North Las Vegas Detention Basin	N. LV Wash	\$30,000	5	5	4	3	4	1	4	4	1	2	2	2	34	
(Outlet modifications)			25.0		16.0	10.5	12.0	2.5	8.0	<u> </u>	6.0	2	<u> </u>	1.0	<u>, </u>	105.
West Range Wash Diversion Dike	Range	\$5,530,000	5	5	4	3	4	1	4	4	l	2	2	2	34	
			25.0	22.5	16.0	10.5	12.0	2.5	8.0	<u> </u>	6.0	2	0	1.0	<u>1</u>	105.
Sloan Channel (Las Vegas Wash -	Range	\$4,950,000	4	4	3	4	4	3	4	4		2	3	3	35	
Confluence Det. Basin)			20.0	18.0	12.0	14.0	12.0	7.5	8.0	<u> </u>	6.0	2	0	1.5	<u></u>	101.
Kyle Canyon Detention Basin (incl.	N. LV Wash	\$11,300,000	4	4	4	3	4	1	4	4		2	2	?	32	
ROW)			20.0	18.0	16.0	10.5	12.0	2.5	8.0		6.0	2.	0	1.0	/-	96.
West Tributary Channel (Confluence	Range	\$4,990,000	4	4	3	3	3	4	4	4		2	3	1		
Det. Basin - Las Vegas Blvd)			20.0	18.0	12.0	10.5	9.0	10.0	8.0	<u> </u>	6.0	2.	<u> </u>	1.5	<u> </u>	97.
Lower Las Vegas Wash Detention	N. LV Wash	\$3,990,000	4	4	3	3	3	2	4	4		3	3	1	33	
Basin (incl. ROW)			20.0	18.0	12.0	10.5	9.0	5.0	8.0	<u> </u>	6.0	3.	<u> </u>	1.5		93.0
Sunrise Moutain Detention Basins	Range	\$940,000	4	4	3	3	3	2	4	4		3	3	;	33	
(ROW acq.)			20.0	18.0	12.0	10.5			8.0		6.0	3.	0	1.5		93.
A Channel (Lake Mead - Las Vegas	N. LV Wash	\$5,710,000	3	3	4	4	3	2	4	4	- 1	3	2		32	
Blvd)			15.0		16.0	14.0		5.0	8.0	<u> </u>	6.0	3.	0	1.0	<u> </u>	90.
West Tributary Channel (Las Vegas	Range	\$4,270,000	3	3	4	4	3	2	4	4	- 1	3	2		32	
Blvd - UPRR)			15.0					5.0			6.0	3.	0	1.0	<u> </u>	90.
A Channel (Las Vegas Blvd - Camino	N. LV Wash	\$8,360,000	3	3	3	3	4	4	3	3	ı	2	3		31	
AL Norte)			15.0	13.5	12.0	10.5	12.0	10.0	6.0		4.5	2.	0	1.5	ļ	87.0
New Channel Reaches (Flamingo Rd	Low. LV Wash	\$7,780,000	3	3	3	2	2	1	1	1		1	3		20	
- Pecos Rd)			15.0			7.0			2.0		1.5	1.	0	1.5	L	62.0
Western Trib. (Camino Al Norte - Ann	N. LV Wash	\$4,740,000	2	2	2	2	2	2	3	3		3	3		24	
Rd)	<u> </u>		10.0	9.0	8.0	7.0	6.0	5.0	6.0	1	4.5	3.	0	1.5		60.0
East Tributary Detention Basin (ROW	Range	\$160,000	2	3	2	2	2	1	2	3		1	2		20	
acq.)			10.0		8.0	7.0		2.5	4.0	<u> </u>	4.5	1.	0	1.0		57.
Western Trib. (Ann Rd - Centennial	N. LV Wash	\$5,180,000	2	2	2	2	2	2	2	2		3	3		22	
Rd)			10.0	9.0	8.0	7.0	6.0	5.0	4.0	<u></u> :	3.0	3.		1.5		56.
Upgrade Existing Channel Reaches	Low. LV Wash	\$4,660,000	2	2	1	1	1	1	1	1	T	1	3		14	
(Flamingo Rd - Pecos Rd)			10.0	9.0	4.0	3.5	3.0	2.5	2.0	<u> </u>	1.5	1.		1.5	L	38.

Proposed Amendments 1995

Exhibit B

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So william of the Board on August 15,	• [1334; November 14, 1334; December	, 2,	332; August	- -	333; JUNY 14,	994		file:n:	CCRFCD	file:n:\CCRFCD\10year\rys5	- 1	SOLDINGS SOLVIS	_
d d	Planning	Project	Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Environ.	Mainten.	7	1
CI ABY COUNTY (6	Area	Cost	Val (5.0)	Val (4.5)	val (4.0)	val (3.5)	val (3.0)	val (2.5)	val (2.0)	val (1.5)	Val (1.0)	Ver (0.5)	Nal	
8	Valley) :													
Lower Duck Creek Detention Basin (incl. ROW)	Duck/Blue Dia.	\$6,540,000	5 25.0	5 22.5	5 20.0	14.0	4 12.0	2 5.0	5 10.0	3 4.5	2 2.0	4	39	117.0
Van Buskirk Outfall (Flamingo Wash - Flamingo Rd)	Flam./Trop.	\$3,050,000	4 20.0	18.0	5 20.0	ى 1	5 15.0	7	S.	5 7.5	7	m	38	109.5
Van Buskirk Channel Upgrades Detention Basin C	Flam./Trop.	\$3,060,000	4 20.0	18.0	ج 20.0	3 10.5	5 15.0	7	က	5 7.5	-	က	37	108.5
Van Buskirk - Twain, McLeod, Viking, and Tompkins Systems	Flam./Trop.	\$5,460,000	4 20.0	18.0	5 20.0	3 10.5	5 15.0	7	ம்	4 6.0	-	6	.5 36	107.0
Tropicana Datention Basin (incl. ROW)	Flam./Trop.	\$7,600,000	4 20.0	18.0	5 20.0	3 10.5	12.0	3 7.5	S	3 4.5	7	၉	36	106.0
Van Buskirk Detention Basin (ROW acq.)	Flam./Trop.	\$3,190,000	1	18.0	5 20.0	3 10.5	5 15.0	-	D.	5 7.5	-	က	36	106.0
Rawhide Channel (remaining system)	Duck/Blue Dia.	\$2,790,000	4 20.0	18.0	5 20.0	3 10.5	12.0	2 5.0	S	5 7.5	-	က	7. 86	105.5
Flamingo Wash (Tropicana Wash to Decatur Blvd)	Flam./Trop.	\$4,990,000	4 20.0	5 22.5	4 16.0	3 10.5	12.0	1 2.5	5 10.0	3.4.5	7	က	34	101.5
Flamingo Wash (McLeod to Tropicana Wash)	Flam./Trop.	\$2,490,000	4 20.0	18.0	16.0	3 10.5	4 12.0	2 5.0	3 6.0	3.4.5	2 2.0	7	6. E	95.0
Upper Blue Diamond Det. Basin (incl. ROW)	Flam./Trop.	\$14,610,000	3 15.0	18.0	3 12.0	2 7.0	2 6.0	2 5.0	5 10.0	5 7.5	2 2.0	က	1.5	84.0
Buffalo/Desert Inn SD, Rainbow SD Desert Inn Detention Basin	Flam./Trop.	\$5,630,000	3 15.0	3 13.5	16.0	3 10.5	3 9.0	2 5.0	3 6.0	3 4.5	2 2.0	7	1.0	82.5
Buffalo Conveyance, Desert Inn Drain, (excludes Lakes Detention Basin)	Flam./Trop.	\$5,700,000	3 15.0	3 13.5	3 12.0	2 7.0	2 6.0	2 5.0	5 10.0	5 7.5	1.0	က	1.5	78.5
Duck Creek (Mountain Vista to UPRR)	Duck/Blue Dia.	\$6,180,000	3 15.0	3 13.5	2 8.0	3 10.5	3 9.0	1 2.5	3 6.0	3 4.5	2 2.0	7	1.0	72.0
Duck Creek (UPRR to Lower Duck Creek Det. Basin)	Duck/Blue Dia.	\$5,500,000	3 15.0	3 13.5	2 8.0	3 10.5	3 9.0	1 2.5	3 6.0	3 4.5	2 2.0	7	1.0	72.0
Desert Inn Detention (ROW acq.)	Flam./Trop.	\$650,000	3 15.0	3 13.5	3 12.0	2 7.0	2 6.0	2 5.0	3 6.0	3 4.5	2 2.0	2	1.0	72.0
Central Duck Creek Detention Basin (ROW acq.)	Duck/Blue Dia.	\$170,000	3 15.0	3 13.5	3 12.0	2 7.0	2 6.0	1 2.5	4 8.0	4 6.0	1.0	0	0.0	71.0
Upper Duck Creek Detention Basin (ROW acq.)	Duck/Blue Dia.	\$540,000	3 15.0	3 13.5	3 12.0	2 7.0	2 6.0	1 2.5	4 8.0	4 6.0	1.0	0	0.0	71.0
South Duck Creek Detention Basin (ROW acq.)	Duck/Blue Dia.	\$160,000	3 15.0	3 13.5	3 12.0	2 7.0	2 6.0	1 2.5	4 8.0	6.0	1.0	0	0.0	71.0
Lower Blue Diamond Detention Basin (ROW acq.)	Duck/Blue Dia.	\$150,000	3 15.0	3 13.5	3 12.0	2 7.0	2 6.0	1 2.5	8.0	4 6.0	1.0	0	0.0	71.0
Lakes Detention Basin (incl. ROW)	Flam./Trop.	\$1,010,000	3 15.0	3 13.5	3 12.0	2 7.0	2 6.0	1 2.5	3 6.0	3 4.5	2 2.0	2 1	1.0	69.5
Duck Creek (Boulder Hwy to US 595)	Duck/Blue Dia.	\$4,610,000	2 10.0	2 9.0	2 8.0	2 7.0	3 9.0	1 2.5	2 4.0	2 3.0	2 2.0	3	1.5	56.0
Duck Creek (Lower Duck Cr Det. Basin to I-15)	Ouck/Blue Dia.	\$6,360,000	10.0	9.0	8.0	2 7.0	2 6.0	1 2.5	2 4.0	3.0	2 2.0	1 0.5	2 18	52.0
Total		\$387.284.400												

Notes: Total

Pop. - Population Affected Land - Assessed Land Value Impacted Public - Public Perception of Need

Access - Ernergency Access & Public Inconvenience Avoid. - Cost Avoidance Funding - Availability of Other Funding Sources

Relation - Interrelationship to Other Projects Implem - Timing & Implementation Environ - Environmental Enhancement

Maiten. - Annual Maintenance Cost val (no.) - Value from 1 to 5 and factor applied to value

2.5 PROJECT PRIORITIZATION

The relative priority of Master Plan projects will be assessed annually during review and development of the Fiscal Year Project List and the Ten-Year Program. Any entity may request at any time that a project be placed on the Fiscal Year List or the Ten-Year Program. Any request for a project must include all necessary data to allow the Technical Advisory Committee and District staff to evaluate the project in terms of the following criteria:

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) <u>Cost Avoidance</u>

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) <u>Timing and Implementation</u>

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.

EXHIBIT C

					FY 95/96		FY 96/97	7	FY 97/98	3	FY 98/99		FY 99/00	
File: n:\CCRFCD\10-YEAR\FY95_96\10	YR9596.XLS				(Year 1)		(Year2)		(Year 3)		(Year 4)		(Year5)	
· · · · · · · · · · · · · · · · · · ·	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW	<u> </u>	/ROW		/ROW		/ROW	
HENDERSON:													<u> </u>	
Sunset Detention Basin, Collection	Pittman	\$6,420,000		1	gn funded									
System and Outfall (incl. ROW)			92.5								0.642			5.778
Mission Hills Collection System	C-1 Ch.	\$6,120,000						Prioritized	by Brd. /	Action 3/3	0/95. Fun	ds acrue b	y 12/96	
West Diversion (incl. ROW)	_ L		103.5					5.458						
Southwest C-1 Detention Basin	C-1 Ch.	\$3,350,000												
(Black Mountain)			93.0						0.335	3.015				
Northeast C-1 Detention Basin	C-1 Ch.	\$4,260,000												
& Outfall			103.5											
Northeast C-1 Levee	C-1 Ch.	\$1,830,000												
			72.2											
Equestrian Dr Detention Basin &	C-1 Ch.	\$4,780,000												
Collection System (incl. ROW)			103.0		(a)	5.800	Prioritized	d for fundi	ng by Brd	. Action 1	/12/95. Fu	ınds acrue	by 12/95	
C-1 Channel - Middle Reach (Drake	C-1 Ch.	\$5,230,000	}	Lower r	each desig	n funded								
St RR)			80.0								0.523	4.707		
Pittman Park Detention Basin	Pittman	\$5,850,000												
			90.5								0.057	0.513		
Duck Creek Channel - Sunset to	1													
Newport Village	Duck Creek	\$561,300	80.5											
East C-1 Detention Basin	C-1 Ch.	\$1,630,000												
			74.5										0.244	
Pittman/Pecos Detention Basin	Pittman	\$3,468,000												
			66.7											
Whitney Ranch Channel	Pittman	\$1,092,000	·											
			83.5											
Gibson Channel	Pittman	\$3,241,000												
			64.5											
Equestrian Detention Basin Outfall	C-1 Ch.	\$6,065,000												
			54.0											
	Total	s per Fiscal Year	(x \$1,000,000)		***************************************	5.800		5.458		3.350		6.442		6.022
Henderso	n 10-Year Total :	\$49,919,000												

DRAFT
10-YEAR CONSTRUCTION PROGRAM

				FY 00/01		FY 01/02	2	FY 02/03		FY 03/04		FY04/05	
File: n:\CCRFCD\10-YEAR\FY95_96\10				(Year 6)		(Year7)		(Year 8)		(Year 9)		(Year 10)	
-	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	L
HENDERSON:								<u> </u>					
Sunset Detention Basin, Collection	Pittman	\$6,420,000											
System and Outfall (incl. ROW)			92.5										
Mission Hills Collection System	C-1 Ch.	\$6,120,000											
West Diversion (incl. ROW)	1 1		103.5				•						
Southwest C-1 Detention Basin	C-1 Ch.	\$3,350,000											
(Black Mountain)	1		93.0										
Northeast C-1 Detention Basin	C-1 Ch.	\$4,260,000											
& Outfall			103.5	0.652			6.070						
Northeast C-1 Levee	C-1 Ch.	\$1,830,000											
			72.2			0.275			1.560				
Equestrian Dr Detention Basin &	C-1 Ch.	\$4,780,000											
Collection System (incl. ROW)			103.0										
C-1 Channel - Middle Reach (Drake	C-1 Ch.	\$5,230,000											
St RR)			80.0										
Pittman Park Detention Basin	Pittman	\$5,850,000											
			90.5										
Duck Creek Channel - Sunset to													
Newport Village	Duck Creek	\$561,300	80.5	0.056	0.504								
East C-1 Detention Basin	C-1 Ch.	\$1,630,000											
			74.5		1.384								
Pittman/Pecos Detention Basin	Pittman	\$3,468,000											
			66.7		2.948								
Whitney Ranch Channel	Pittman	\$1,092,000											
			83.5									0.164	0.928
Gibson Channel	Pittman	\$3,241,000										357	<u> </u>
			64.5							0.486			2.755
Equestrian Detention Basin Outfall	C-1 Ch.	\$6,065,000	04.5							U.780 S			2./55
Education Determine position action	0,000	\$0,000,000	54.0					0.760			4		
	7-4-1				F F 4 4		0.045	0.760			4.305		
	n 10-Year Total :	\$ per Fiscal Year \$49,919,000	(x \$ 1,000,000)		5.544	L	6.345	L	2.320		4.791		3.847

File: n:\CCRFCD\10-YEAR\FY95_96\10YF					FY 95/96 (Year 1)		FY 96/97 (Year2)	,	FY 97/98 (Year 3)		FY 98/99 (Year 4)		FY 99/00 (Year5)	
-	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW	<u> </u>	/ROW		/ROW	
LAS VEGAS (Central Las Vegas Valley) :														
Angel Park Detention Basin	Gowan	\$1,785,000	j]										
Expansion (APNO 0000)			100.5			1.785	Prioritized	for fund	ing by Brd	. Action 2	2/9/95. Fur	ids acrue t	y 4/96	
Washington Ave. Channel - Reach 4	⁴ Central	\$6,111,500	•											
(Eastern to Sagman - LVWH 0298)			99.0			3.806								2.306
Upper Washington Ave. Channel &	Central	\$5,931,000				Prioritized	for fundir	ng by Brd.	Action 3/	30/95. Fu	ınds acrue	by 8/96		
Spaghetti Bowl (WAPR 0000,		İ		\$0.410	M ATP									
LVWH 0448, 0447, 0374)			98.5				0.190			2.038		0.676		
Freeway Conveyance South LV Cr. to	Central	\$9,594,000												
Charleston (FW15 0000,0038)			98.5											
Oakey Drain - I15 to Valley View	Central	\$3,272,000		Constru	cted w/Se	wer & RT	С							
(FWOK 0000, 0044	<u> </u>		91.5		0.110		0.290	2.190		0.682				
Freeway Channel Bypass Facility	Central	\$3,060,000												
(Oakey to Wall FWUP 0000, 0059			93.5											
Freeway Channel South	Central	\$5,874,000		Sahara	to Ivanhoe	Construc	ted with N	DOT						
Charleston to Sahara (FW15 0089)			93.5											
Owens Avenue System	Central	\$3,126,000		Funded	with RTC									
(Rancho to I-15 LVOW 0000))	_		95.5				0.200			2.926				
Gowan North Channel - North	Gowan	\$6,070,000		Predesi	gn funded									
Basin to Lone Mnt Rd. GONO 0046)			87.5		0.300			0.728			0.400		1.906	
Lone Mountain System	Gowan	\$1,187,000												
Outfall to Durango (GOLM 0000)			87.5						0.200			0.987		
Freeway Channel - North	Central	\$770,000												
Washington Ave. (I15 to Martin Luther)			77.5		0.070			0.700						
Colorado Avenue System	Central	\$14,770,000												
(Las Vegas Wash to I-515)			90.0										0.500	
		ls per Fiscal Year	(x \$1,000,000)	I		6.071		4.298		5.846		2.063		4.712
Las Vegas	10-Year Total:	\$51,860,500												

File: n:\CCRFCD\10-YEAR\FY95 96\10YR	9596.XLS			FY 00/01 (Year 6)		FY 01/02 (Year7)	2	FY 02/03 (Year 8)		FY 03/04 (Year 9)		FY04/05 (Year 10)	
Facility Description	Planning Area	Project Cost	Priority Value	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const.	Design /ROW	Const
LAS VEGAS (Central Las Vegas Valley) :													
Angel Park Detention Basin Expansion (APNO 0000)	Gowan	\$1,785,000	100.5										
Washington Ave. Channel - Reach 4	Central	\$6,111,500											
(Eastern to Sagman - LVWH 0298)			99.0										
Upper Washington Ave. Channel &	Central	\$5,931,000											
Spaghetti Bowl (WAPR 0000, LVWH 0448, 0447, 0374)			98.5		2.707								
Freeway Conveyance South LV Cr. to Charleston (FW15 0000,0038)	Central	\$9,594,000	98.5	0.500	2.000		2.000		5.094				
Oakey Drain - I15 to Valley View (FWOK 0000, 0044	Central	\$3,272,000	91.5										
Freeway Channel Bypass Facility (Oakey to Wall FWUP 0000, 0059	Central	\$3,060,000	93.5					0.420			2.640		
Freeway Channel South Charleston to Sahara (FW15 0089)	Central	\$5,874,000	93.5							0.500	2.687		2.68
Owens Avenue System (Rancho to I-15 LVOW 0000))	Central	\$3,126,000	95.5										
Gowan North Channel - North Basin to Lone Mnt Rd. GONO 0046)	Gowan	\$6,070,000	87.5				1.673		1.063				
Lone Mountain System Outfall to Durango (GOLM 0000)	Gowan	\$1,187,000	87.5										
Freeway Channel - North Washington Ave. (I15 to Martin Luther)	Central	\$770,000	77.5										
Colorado Avenue System (Las Vegas Wash to I-515)	Central	\$14,770,000	90.0					0.900			2.000		2.000
		ls per Fiscal Year	(x \$1,000,000)		5.207		3.673		7.477		7.827		4.687
Las Vegas	10-Year Total:	\$51,860,500											

Exhibit C

					FY 95/96		FY 96/97	7	FY 97/98	3	FY 98/99		FY 99/00	
File: n:\CCRFCD\10-YEAR\FY95_96\10	/R9596.XLS				(Year 1)		(Year2)		(Year 3)		(Year 4)		(Year5)	
	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW		/ROW	
NORTH LAS VEGAS (Northern Las Vega	s Valley) :													
Sloan Channel (Las Vegas Wash -	Range	\$4,950,000		Predesi	gn funded									
Confluence Det. Basin)			101.0											1.220
West Tributary Channel (Confluence	Range	\$4,990,000		interloc	al execute	d 12/8/94	ļ.							
Det. Basin - Las Vegas Blvd)			98.0	·			0.500					1.300		1.670
Lower Las Vegas Wash Detention	N. LV Wash	\$3,990,000		Interloc	al execute	d 12/8/94	ļ							
Basin (incl. ROW)			95.0					3.170		3.330		2.000		
Sunrise Moutain Detention Basins	Range	\$940,000												
(ROW acq.)			90.0											
A Channel (Lake Mead - Las Vegas	N. LV Wash	\$5,710,000												
Blvd)			90.0				0.500							
West Tributary Channel (LV Blvd	Range	\$4,270,000												
UPRR)			90.0										0.800	
A Channel (LV Blvd - Camino Al	N. LV Wash	\$8,360,000		Camino	Al Norte	crossing c	ompleted							
Norte)			87.0											
A Channel Craig Road Confluence	N. LV Wash	\$1,000,000												
Structure			87.0										0.200	
Upper Las Vegas Wash -	N. LV Wash	\$4,429,000												
Craig Road to Ann Road			87.0											
East Range Wash Detention Basin	Range	\$2,650,000												
			57.5											
· · · · · · · · · · · · · · · · · · ·		ls per Fiscal Year	(x \$1,000,000)			0.000		4.170	<u> </u>	3.330		3.300		3.890
	s 10-Year Total :	\$42,938,000											<u> </u>	
CLARK COUNTY (Southwest Las Vegas					•		,							
Lower Duck Creek Detention Basin	uck/Blue Dia	\$8,000,000												
(incl. ROW)			117.0											
Corps of Engineer's Tropicana/	Flam./Trop.	\$41,142,001												
Flamingo Project						11.201		6.336		7.158		8.461		6.349
Flamingo Wash (Tropicana Wash	Flam./Trop.	\$4,990,000	•											
to Decatur Blvd.)			101.5											
Flamingo Wash (McLeod to	Flam./Trop.	\$2,490,000												
Tropicana Wash)			95.0											
Buffalo/Desert Inn Drain; Rainbow	Flam./Trop.	\$5,630,000												
Drain; Desert Inn Detention Basin			82.5											
		s per Fiscal Year				11.201		6.336		7.158	<u> </u>	8.461		6.349
Clar	k County (SWLVV)	10-Year Total:	\$60,410,001											

Exhibit C

Eller mil CORECDIA DA MENDIA DE LA CORECTION D	/5-500 VI 0			FY 00/01		FY 01/02	2	FY 02/03		FY 03/04	ı	FY04/05	
File: n:\CCRFCD\10-YEAR\FY95_96\10Y			·	(Year 6)		(Year7)		(Year 8)		(Year 9)		(Year 10)	
F 100	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Cons
Facility Description	Area	Cost	Value	/ROW	<u> </u>	/ROW	L	/ROW		/ROW		/ROW	
NORTH LAS VEGAS (Northern Las Vega					******************************	x x000000000000000000	*******************************			o occooocoo		o occooocciono	
Sloan Channel (Las Vegas Wash - Confluence Det. Basin)	Range	\$4,950,000	101.0						2.780		1.000		
West Tributary Channel (Confluence	Range	\$4,990,000											
Det. Basin - Las Vegas Blvd)	- 		98.0						1.220				
Lower Las Vegas Wash Detention Basin (incl. ROW)	N. LV Wash	\$3,990,000	, 95.0										
Sunrise Moutain Detention Basins (ROW acq.)	Range	\$940,000	90.0			0.940					1.000		2.000
A Channel (Lake Mead - Las Vegas Blvd)	N. LV Wash	\$5,710,000	90.0		5.210								
West Tributary Channel (LV Blvd UPRR)	Range	\$4,270,000	90.0		3.2.0		3.170						
A Channel (LV Blvd - Camino Al Norte)	N. LV Wash	\$8,360,000	87.0	0.780					2.740		2.740		
A Channel Craig Road Confluence Structure	N. LV Wash	\$1,000,000	87.0		0.800								
Upper Las Vegas Wash -	N. LV Wash	\$4,429,000	87.0		0.800								
Craig Road to Ann Road	IV. LV Wasii	¥4,423,000	87.0							0.650			2.568
East Range Wash Detention Basin	Range	\$2,650,000	87.0							0.050			2.500
East hange wash Detention Basin	Kange	\$2,650,000	57.5							0.650			
	Total	s per Fiscal Year	(x \$1,000,000)		6.790		4.110		6.740		6.040		4.568
North Las Vega	s 10-Year Total :	\$42,938,000									· · · · · · · · · · · · · · · · · · ·		
CLARK COUNTY (Southwest Las Vegas	Valley) :												
Lower Duck Creek Detention Basin (incl. ROW)	uck/Blue Dia	\$8,000,000	117.0			0.894	5.000		2.422				
Corps of Engineer's Tropicana/	Flam./Trop.	\$41,142,001			1.638								
lamingo Wash (Tropicana Wash	Flam./Trop.	\$4,990,000			1.038								
o Decatur Blvd.)	Tidini., 110p.	¥4,555,500	101.5					0.500	1.482		3.008	1	
lamingo Wash (McLeod to	Flam./Trop.	\$2,490,000	,,,,					0.500					
ropicana Wash)	[, _,,	95.0							0.306	2.000		0.184
Buffalo/Desert Inn Drain; Rainbow	Flam./Trop.	\$5,630,000											J.107
Orain: Desert Inn Detention Basin		, ,	82.5									0.472	3.000
Toni, Dosoit in Data. doi: Dasin	Totals	s per Fiscal Year			1.638		5.894		4.404		5.314		3.656
Clar	k County (SWLVV)		\$60,410,001	·								<u> </u>	

					FY 95/96		FY 96/97		FY 97/98	}	FY 98/99		FY 99/00	<u> </u>
File: n:\CCRFCD\10-YEAR\FY95_96\1	0YR9596.XLS	····			(Year 1)		(Year2)		(Year 3)		(Year 4)		(Year5)	
	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	-Const.
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW		/ROW	
CLARK COUNTY (Outlying Areas):					•				·					
Hiko Springs Det. Basin Outfall	Laughlin	\$3,000,000	•				0.250	1.891		0.859				
Goodsprings - Phase 1	Goodsprings	\$352,700	•	Design	funded									
Improvements					1			0.500						
Searchlight - Eastern Portion	Searchlight	\$405,800	•	Design	funded									
Improvements				1	1									
Bunkerville	Bunkerville	\$1,297,000		Design	funded			1.294 0.297						
Muddy River	Moapa Valley	\$8,259,000	#		1.650					4.172		2.435		
Overton Wash/ Railroad Channel	Moapa Valley	\$15,350,000	+		Prioritized	for fundir	ng by Brd.	Action 1/	12/95. Fu		by 2/96	***************************************		
	i 1											1.500		l
Blue Diamond	Blue Diamond	\$170,000	*											
Bridge Canyon - Floodway/Outfall	Laughlin	\$9,250,000	*										0.038	0.212
		, , , , , , , , , , , , , , , , , , , ,											0.576	3.000
Indian Springs	Indian Springs	\$594,700												3.330
	Total	s per Fiscal Year	(x \$1,000,000)		***************************************	1.650		4.232	***************************************	5.031		3.935		3.826
CI	ark County (Outlying)	10-Year Total :	\$33,809,000									-		

Facility Description Area Cost Velue /					FY 00/01		FY 01/02		FY 02/03	1	FY 03/04		FY04/05	
Facility Description	EAR\FY95_96\10YR9596	6.XLS			(Year 6)		(Year7)		(Year 8)		(Year 9)		(Year 10)	
CLARK COUNTY (Outlying Areas): Hiko Springs Det. Basin Outfall Laughlin \$3,000,000 * Goodsprings - Phase 1 Goodsprings \$352,700 * Improvements Searchlight - Eastern Portion Searchlight \$405,800 * Improvements 0,406 * 0,406 * Bunkerville Bunkerville \$1,297,000 * * Muddy River Moapa Valley \$8,259,000 * * Overton Wash/ Railroad Channel Moapa Valley \$15,350,000 * * Blue Diamond \$170,000 * 0.819 2.680 2.998 Bridge Canyon - Floodway/Outfall Laughlin \$9,250,000 * 3.951 1.723 Indian Springs Indian Springs \$594,700 * * *	PI	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Hiko Springs Det. Basin Outfall	escription	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	
Goodsprings - Phase 1 Goodsprings \$352,700 *	lying Areas) :													
Improvements Searchlight \$405,800	in Outfall	Laughlin	\$3,000,000	*										
Improvements	l Gc	Goodsprings	\$352,700	*										
Bunkerville	Portion S	Searchlight	\$405,800	•						0.406				
Overton Wash/ Railroad Channel Moapa Valley \$15,350,000 * 0.819 2.680 2.998 Blue Diamond Blue Diamond \$170,000 *	Bo	Bunkerville	\$1,297,000	*						0.400				
Diamond Blue Diamond \$170,000	Mo	loapa Valley	\$8,259,000	*										
Blue Diamond Blue Diamond \$170,000 *	nd Channel Mo	foapa Valley	\$15,350,000	•				0.919		2 690		2 009		1.963
3.951 1.723	Blu	lue Diamond	\$170,000	#				0.813		2.080		2.336		1.303
	way/Outfall L	Laughlin	\$9,250,000	*		3.951		1.723						
	Indi	dian Springs	\$594,700	•	0.100			0.495						
Totals per Fiscal Year (x \$1,000,000) 4.051 3.037 3.086 2.998		Total	s per Fiscal Year	(x \$1,000,000)		4.051		3.037		3.086		2.998		1.963

					FY 95/96		FY 96/97		FY 97/98	3	FY 98/99		FY 99/00	
File: n:\CCRFCD\10-YEAR\FY95_96\10	YR9596.XLS				(Year 1)		(Year2)		(Year 3)		(Year 4)		(Year5)	
	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW		/ROW	
CITY OF MESQUITE														
Phase II Bank Protection	Town Wash	\$2,660,000	*	1										
I15 to Virgin River		•		i							.,			
Earthen Channel	Abbott Wash	\$2,100,000	*											
I15 to Virgin River			1											
I15 to Virgin River	ulsipher Was	\$1,200,000	•											
	Total	s per Fiscal Year	(x \$1,000,000)	·		0.000		0.000		0.000		0.000		0.000
	City of Mesquite		\$5,960,000				<u> </u>	****					<u> </u>	
BOULDER CITY														
Channel & Box Culverts	West Airport	\$2,700,000	*											
Basin,Channels, Culverts & Drains	North Railroad	\$1,755,000												
Replace Culverts	Georgia/ Buchanan	\$600,000	•											
	Totals	per Fiscal Year	(x \$1,000,000)			0.000		0.000		0.000		0.000		0.000
	Boulder City	10-Year Total:	\$5,055,000											
	Program Tota	l per Fiscal Year	(x \$1,000,000)			24.722		24.494		24.715		24.201		24.799
	Projected Revenu	e Per Fiscal Year	(x \$1,000,000)		(a)	28.238		20.996		21.795		22.614		23.457
	Remaining Revenu	ue Per Fiscal Yea	r (x\$1,000,000)			3.517		(3.498)		(2.920)		(1.586)		(1.342)
10-Year Total S	95/96 thru 04/05 :	\$249,951,501												· · · · · · · · · · · · · · · · · · ·
10-Year F	rojected Revenue:	\$247,768,534		<u> </u>									· · · · · · · · · · · · · · · · · · ·	
(a) Includes a company 62 02714														

(a) Includes revenue income, \$2.827M acrued in 94/95 for 95/96 project and \$6.199M remaining from previously set aside for COE.

DRAFT 10-YEAR CONSTRUCTION PROGRAM

File: n:\CCRFCD\10-YEAR\FY95_96\10	YR9596.XLS			FY 00/01 (Year 6)		FY 01/02 (Year7)		FY 02/03 (Year 8)		FY 03/04 (Year 9)		FY04/05 (Year 10)	
	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	
CITY OF MESQUITE			5										
Phase II Bank Protection	Town Wash	\$2,660,000	•		•								
I15 to Virgin River	. 11		•		-							0.399	2.261
Earthen Channel	Abbott Wash	\$2,100,000	•										
115 to Virgin River												0.315	1.785
115 to Virgin River	ulsipher Was	\$1,200,000	*										
			1									0.180	1.020
	Total	s per Fiscal Year	(x \$1,000,000)		0.000	Ì	0.000		0.000	T T	0.000		5.960
	City of Mesquite	10-Year Total :	\$5,960,000										
BOULDER CITY													
Channel & Box Culverts	West Airport	\$2,700,000	*										
												2.700	
Basin, Channels, Culverts & Drains	North	\$1,755,000	*										
	Railroad											1.755	
Replace Culverts	Georgia/	\$600,000	*										
	Buchanan		L									0.600	
	Totals	s per Fiscal Year	(x \$1,000,000)		0.000		0.000		0.000		0.000		5.055
	Boulder City	10-Year Total:	\$5,055,000										
	Program Tota	l per Fiscal Year	(x \$1,000,000)		23.230		23.059		24.027		26.970		29.736
	Projected Revenu	e Per Fiscal Year	(x \$1,000,000)		24.322		25.203		26.111		27.038		27.994
	Remaining Revent	ue Per Fiscal Yea	r (x\$1,000,000)		1.092		2.144		2.084		0.068		(1.742)
10-Year Total 9	95/96 thru 04/05 :	\$249,951,501											
10-Year P	rojected Revenue:	\$247,768,534											

(a) Includes revenue income, \$2.827M acrued in 94/95 for 95/96 project and \$6.199M remaining from previously set aside for COE.

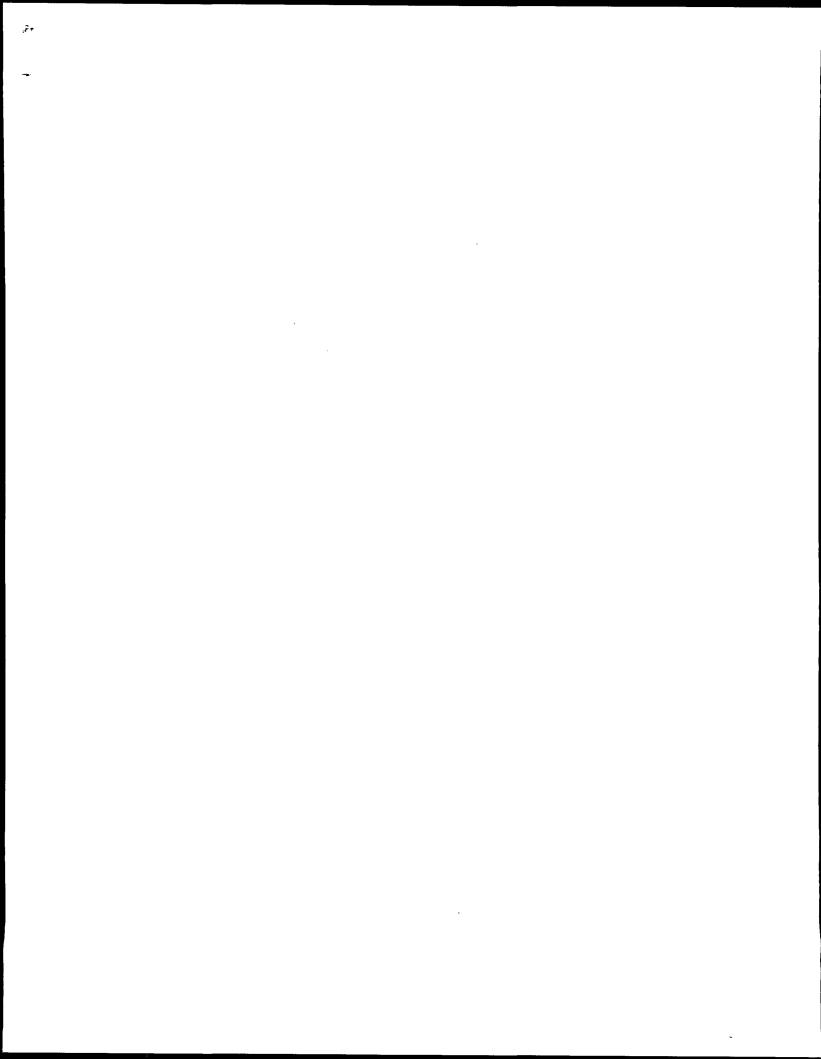


EXHIBIT D

PHASE 1 CONSTRUCTION PROGRAM Summary of Funding

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FY95_96\funeum95.xls		Current Fui	nding	Funds	Total Funding	Funding	Estimated Total	Percent	Percent of Total Over
Planning Area/Entity	Percent of Phase 1	Funding * Contracts	Percent of Funding	Remaining on Bond List	Programmed and Committed	Proposed on 10-Year Program	Through FY 04/05	of Total	(Under) Programmed Amount
Henderson :	15.9%	\$24,195,794	11.0%	\$0	\$24,195,794	\$49,919,000	\$74,114,794	15.7%	(0.1%) (\$580,603)
Las Vegas (Central Las Vegas Valley) :	24.5%	\$61,039,782	27.6%	\$0	\$61,039,782	\$51,860,500	\$112,900,282	24.0%	(0.6%) (\$2,631,578)
Clark County (Southwest Las Vegas Valley) :	22.4%	\$50,458,084	22.9%	\$0	\$50,458,084	\$60,410,001 (a)	\$110,868,085	23.6%	1.2% \$5,623,308
North Las Vegas (Northern Las Vegas Valley) :	23.2%	\$63,656,986	28.8%	\$0	\$63,656,986	\$42,938,000	\$106,594,986	22.6%	(0.5%) (\$2,489,991)
Boulder City :	1.0%	\$6,542,310	3.0%	\$0	\$6,542,310	\$5,055,000	\$11,597,310	2.5%	1.4% \$6,686,508
Mesquite :	0.5%	\$4,362,145	2.0%	\$0	\$4,362,145	\$5,960,000	\$10,322,145	2.2%	1.7% \$7,948,203
Clark County (Outlying Area) :	12.5%	\$10,529,669	4.8%	\$0	\$10,529,669	\$33,809,000	\$44,338,669	9.4%	(3.1%) (\$14,555,846)
TOTAL	. 100.0%	\$220,784,770	100.0%	\$0	\$220,784,770	\$249,951,501	\$470,736,271	100.0%	

(a) Includes \$41,142,001 for COE Trop/Flamingo Project 95/96 thru 04/05

^{*} Includeds Project Close Outs and Present Interlocal Contracts

EXHIBIT E

Exhibit E
RFCD ACTIONS TO AMEND THE 10 YEAR PROGRAM

*Criteria Met

			90%		1st
Date	Project	Action	plans	ROW	5 yrs.
8/13/92	Meadows Phase V (Alta Storm Drain) City of Las Vegas	Added project to FY 92/93 (Year 1) of 10 Year Program and approved \$954,800 in funding. Reduced Oakey Detention Basin funds by same amount. Total project cost \$954,800. Contract date 8/13/92.	х	х	
8/13/92	I-15 Freeway-Channel Sahara to Ivanhoe City of Las Vegas	Added project to FY 92/93 (Year 1) of 10 Year Program because NDOT was building a single box for drainage on the I-15 Sahara Flyover and the MP proposed double boxes. To reduce future cost, project was added even though no RFCD connections were proposed for 10 to 15 years. Project was 50/50 cost share with NDOT. RFCD share \$710,000. Contract date 7/8/93.	x	x	
11/12/92	Lower Duck Creek Basin Clark County	Moved predesign from FY 93/94 (Year 2) to FY 92/93 (Year 1). Predesign for Tropicana Basin was deleted from Year 1 to provide \$300,000 for predesign. Contract date 11/12/92.	n/a	n/a	X
12/10/92	Camino Al Norte - (Western Tributary of Las Vegas Wash) City of Las Vegas	Added project to FY 92/93 (Year 1) because of opportunity for 51% participation by developer. Reduced obligation to Western Tributary in FY 2000/01 (Year 9) to provide \$300,000. Contract date 12/10/92.	X	x	
3/11/93	Washington Avenue Conveyance (Virgil to Lena) City of Las Vegas	Moved \$2,785,000 funding programmed in FY 95/96 (Year 4) and \$565,000 in FY 96/97 (Year 5) to FY 92/93 (Year 1) for construction. Total moved \$3,350,000. Contract date 3/11/93.	x	х	X
3/11/93	C-1 Channel (Lake Mead to Burkholder) City of Henderson	Moved design funding and project programmed in FY 94/95 (Year 3) to FY 92/93 (Year 1). Total request was \$200,000. Contract date 3/11/93.	n/a	n/a	х

Exhibit E

RFCD ACTIONS TO AMEND THE 10 YEAR PROGRAM
*Criteria Met

			C	littia i	VICE
			90%		1st
Date	Project	Action	plans	ROW	5 yrs.
8/11/93	Kyle Canyon Detention Basin City of North Las Vegas	Originally proposed by NLV 5/93. Moved project to FY 92/93 (Year 1) from FY 93/94 (Year 2) and FY 94/95 (Year 3).			
		Provided uncommitted bond funds of \$3,800,000. Total project cost \$13,113,000. Contract date 8/11/93.	Х	X	х
11/15/93	Cheyenne Channel Crossing City of Las Vegas	Moved funding programmed in FY 94/95 (Year 2) to FY 93/94 (Year 1) for opportunity to obtain 51% developer participation, and added \$709,000. Contract date 1/13/94.	х	х	х
12/9/93	Sloan Channel Las Vegas Wash to Owens Clark County	Moved funding of \$2,150,000 from FY 94/95 (Year 2) to be added to FY 93/94 (Year 1) programmed amount of \$2,400,000 for total of \$4,550,000. Contract date 4/14/94.	х	х	х
1/13/94	Washington Avenue Conveyance (Lena to Eastern) City of Las Vegas	Moved \$1,920,000 project construction from FY 94/95 (Year 2) and \$2,496,000 from FY 96/97 (Year 4) to FY 93/94 (Year 1). Total amount from future projects is \$5,384,500. Reduced \$640,000 from Oakey Detention and used \$328,500 partial credit from Cheyenne Crossings. Contract date 10/13/94.	х	х	х
3/10/94	Oakey Detention Basin & Collection System City of Las Vegas	Moved project from FY 95/96 (Year 3) to FY 93/94 (Year 1). Increased funding from \$1,414,000 to \$1,513,000 to add construction engineering. Contract date 11/10/94.	X	х	X
4/13/95	Washington Avenue Conveyance System - Eastern to Sagman City of Las Vegas	e Moved project from FY 97/98 (Year 4) to FY 94/95 (Year 1) Increased funding from \$2,471,000 to \$3,805,500. Prioritized date 4/13/95. Estimated funding date 6/96. Project in conjunction with RTC project.	x	x	x

Exhibit E RFCD ACTIONS TO AMEND THE 10 YEAR PROGRAM

*Criteria Met

Date	Project	Action	90 % plans	ROW	1st 5 yrs.
4/13/95	Mission Hills Western Interceptor Diversion City of Henderson	Moved project from FY 96/97 (Year 3) to FY 94/95 (Year 1) Total of \$5,458,000 requested. Prioritized date 4/13/95. Estimated funding date 12/96.	х	х	х

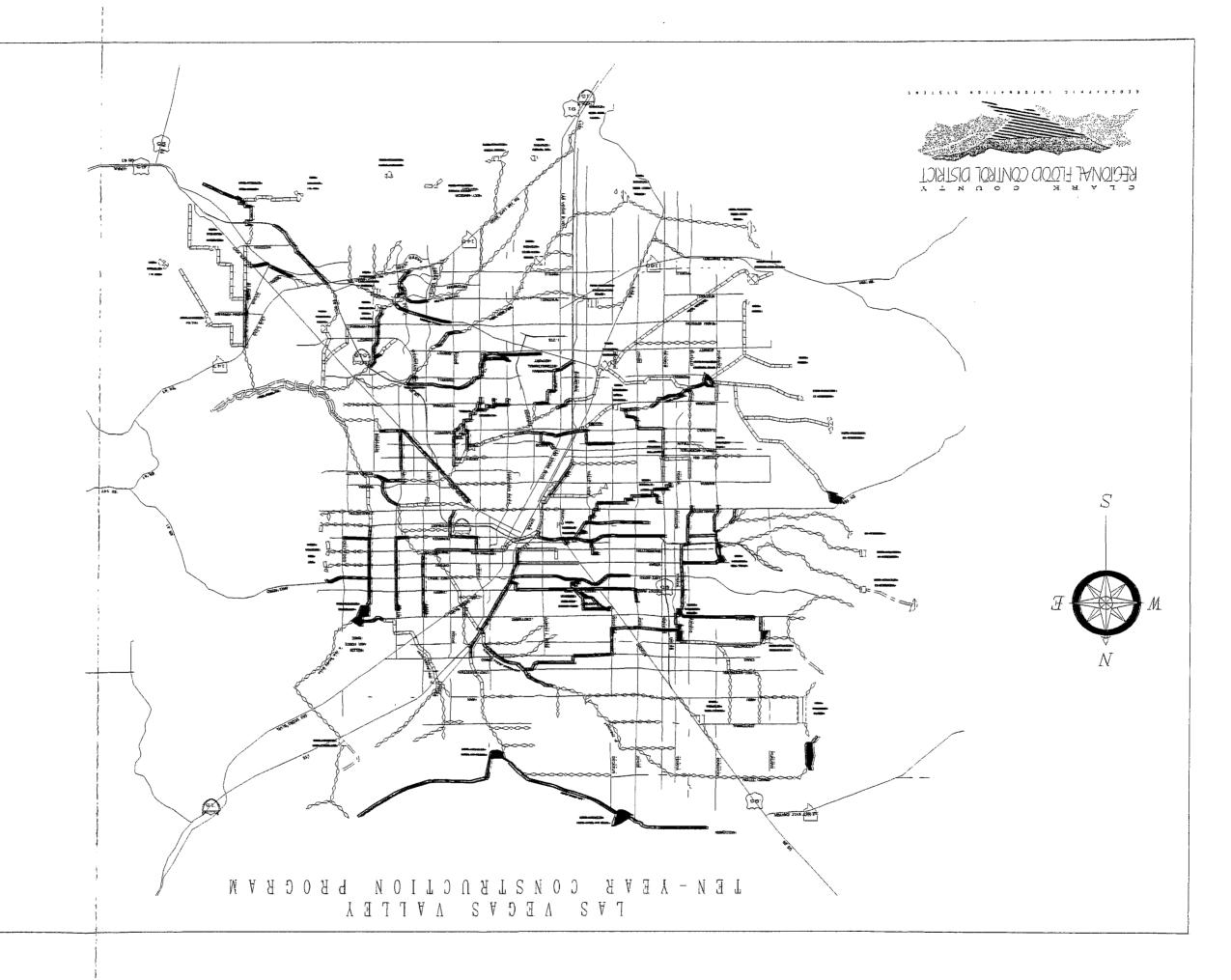
* 90 % plans: 90 % of design has been completed

ROW: right-of-way/entry has been acquired

have been obtained

1st 5 yrs.: the project has been included in the first five years

of the 10 year plan

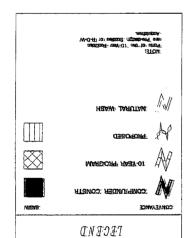


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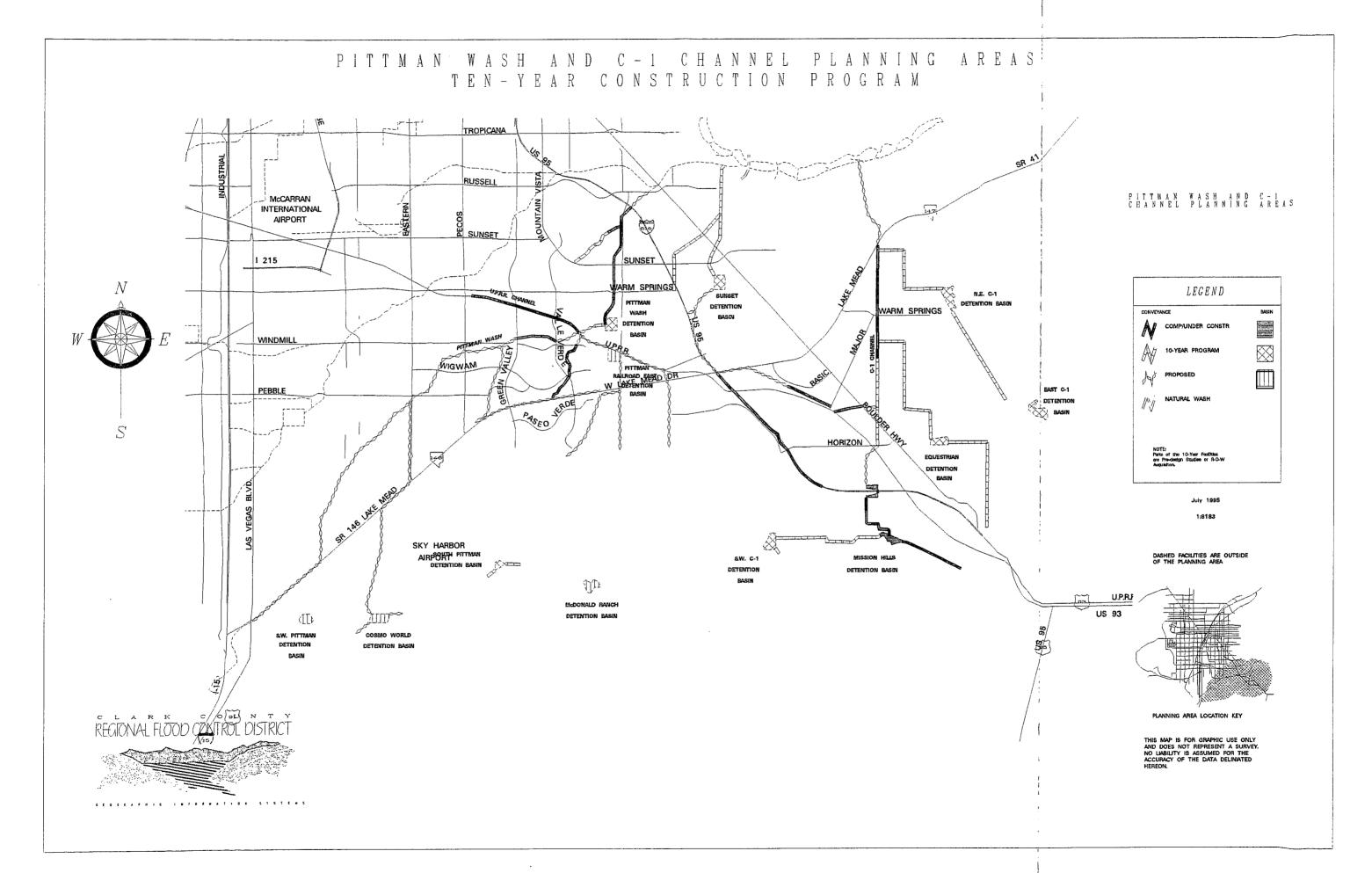
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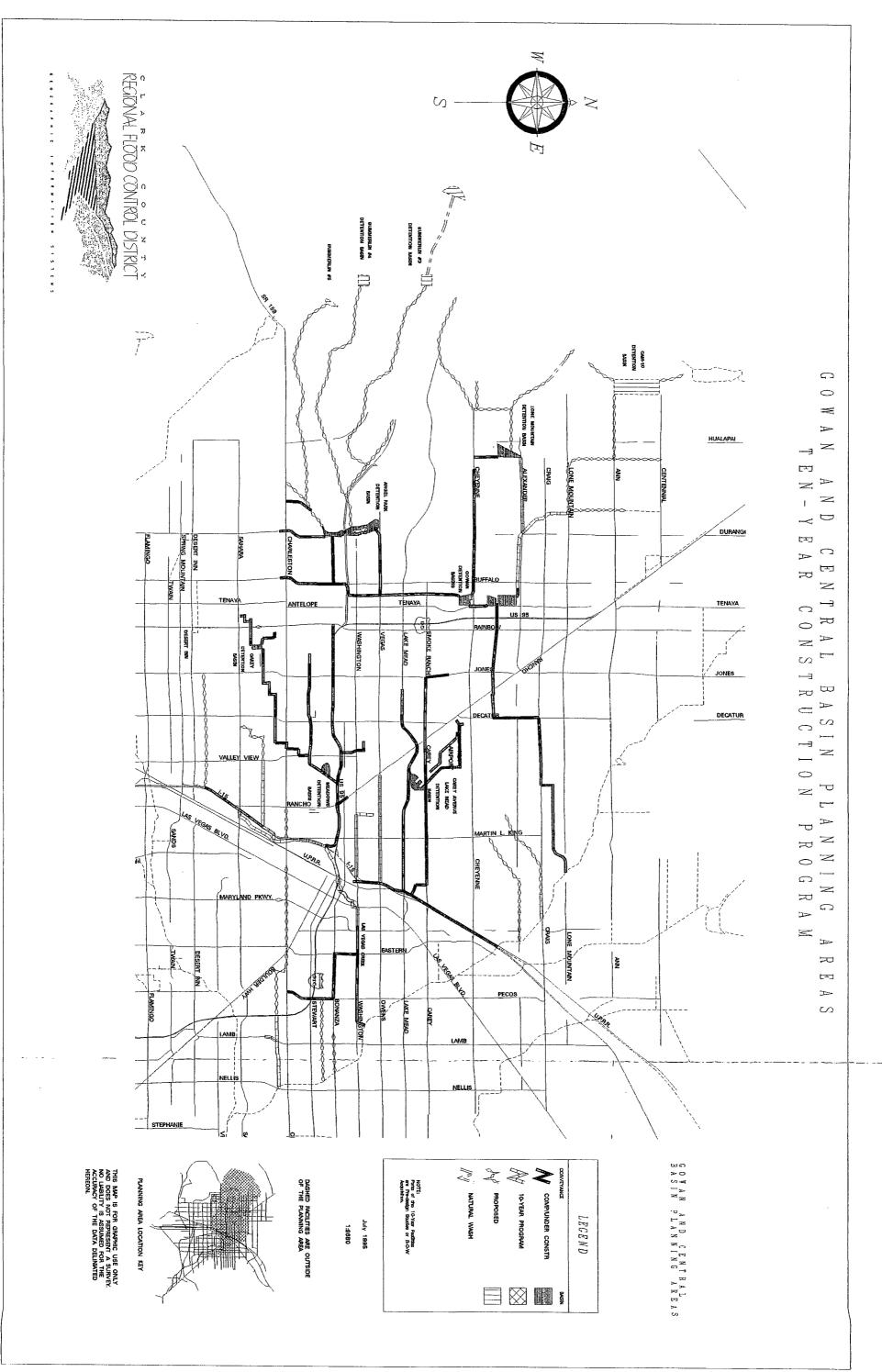
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95/96 10-42 PLAN: TO TAC 6/29/95 NLV & OLV Pevisions Penciced in

Exhibit A

PHASE 1 CONSTRUCTION PROGRAM

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		,	Phase 1	Percent of
Entity	Planning Area		Costs	Fnase 1
Hender	son:			
	C-1 Channel Planning Area (a)		\$27,000,000	
ì	Pittman Wash Planning Area (c)		\$37,188,000	
		Total	\$64,188,000	15.9%
Las Ve	gas (Central Las Vegas Valley) :		♦	
	Central Basin Planning Area (b)		\$53,560,000	
	Gowan Planning Area (a)		\$45,720,000	
		Total	\$99,280,000	24.5%
North I	Las Vegas (Northern Las Vegas Valley) :			
	Nothern Las Vegas Wash Planning Area (a)		\$52,740,000	}
ŀ	Range Wash Planning Area (a)		\$28,560,000	}
	Lower Las Vegas Wash Planning Area (a)		\$12,440,000	
		Total	\$93,740,000	23.2%
Clark C	County (Southwest Las Vegas Valley) :			
	Duck Cr/Blue Diamond Planning Area (a)		\$33,000,000	į
1	Flamingo/Tropicana Planning Area (a)		\$57,440,000	
		Total	\$90,440,000	22.4%
Clark (County (Outlying Area) :			
	Outlying Planning Area (f)		\$50,609,827	
Ĺ		Total	\$50,609,827	12.5%
Boulde	r City :			7
	Boulder City Planning Area (d)		\$4,220,000	
		Total	\$4,220,000	1.0%
Mesqu	ite:			
	Mesquite Planning Area (e)		\$2,040,000	
		Total	\$2,040,000	0.5%
	TOTAL		\$404,517,827	100.0%

Notes:

- (a) Phase 1 Construction Program from "The Master Plan Update of the Las Vegas Valley," dated August 1991, by JMM
- (b) Phase 1 Construction Program from "The Master Plan Update of the Las Vegas Valley," dated August 1991, by JMM modified by City of Las Vegas
- (c) Phase 1 Construction Program from "The Master Plan Update of the Las Vegas Valley," dated August 1991, by JMM modified by City of Henderson
- (d) Phase 1 Construction Program from "Boulder City Flood Control Master Plan ," dated July 1990, by Coe and Van Loo
- (e) Phase 1 Construction Program from "City of Mesquite Flood Control Master Plan Update," dated October 1991, by CH2M Hill
- (f) Phase 1 Construction Program totals \$39,083,000 for the Outlying Areas from the following sources: \$14,369,000 from "Flood Control Master Plan for Moapa Valley, Nevada," dated November 1994, by Montgomery Watson
 - \$1,863,000 from "Flood Control Master Plan, Bunkerville, Nevada," dated May 1990, by The Mark Group \$19,800,000 from "Hiko Springs and Unnamed Wash, Laughlin Big Bend Area," dated May 1989, by Boyle \$9,640,000 from "Bridge Canyon Wash Flood Control Master Plan," dated September 1990, by Coe and Van Loo \$2,470,000 from "Master Plan Update, Outlying Areas," dated September 1991, by G.C. Wallace, the following:

Blue Diamond: \$169,881 Goodsprings: \$352,737 Indian springs: \$594,700 Nelson: \$193,810 Searchlight: \$405,807

Stateline: \$750,892

file:m:\10-year\annsum95.xls		Current Fu	nding	Funds	% Phase I	Funds	% Phase !	Funds	% Phase I	Funds	% Phase I	Funds	% Phase I
	Percent of	Funding *	Percent of	For Yr. 1	Over/	For Yr. 2	Over/	For Yr. 3	Over/	For Yr.4	Over/	For Yr.5	Over/
Planning Area/Entity	Phase 1	Contracts	Funding	(95/96)	(under)	(96/97)	(under)	(97/98)	(under)	(98/99)	(under)	(99/00)	(under)
Henderson :	15.9%	\$24,195,794	11.0%	***************************************	12.24%		13.13%		13.20%	<u> </u>	13.67%	<u> </u>	14.14%
					(3.6%)		(2.7%)		(2.7%)		(2.2%)		(1.7%)
				\$5,800,000	(\$8,884,436)	\$5,458,000	(\$7,392,192)	\$3,052,226	(\$7,798,320)	\$4,470,165	(\$6,916,553)	\$4,794,113	(\$5,844,505)
Las Vegas (Central	24.5%	\$61,039,782	27.6%		27.19%		26.13%	1	25.02%		23.94%		23.37%
Las Vegas Valley):					2.7%		1.6%		0.5%		(0.6%)	1	(1.2%)
				\$5,590,500	\$6,493,975	\$3,919,438	\$4,279,553	\$2,470,397	\$1,400,891	\$2,266,630	(\$1,882,677)	\$3,661,354	(\$3,978,265)
Clark County	22.4%	\$50,458,084	22.9%		25.16%	<u> </u>	25.18%		25.75%	1	26.59%]	26.63%
(Southwest Las			l 🔣		2.8%		2.8%		3.4%	1	4.2%		4.3%
Vegas Valley) :				\$11,201,000	\$6,877,380	\$6,336,000	\$7,625,685	\$7,157,667	\$9,910,579	\$8,460,667	\$13,315,244	\$6,349,000	\$14,419,906
North Las Vegas	23.2%	\$63,656,986	28.8%		25,98%		24.90%		23.77%		22.70%		22.11%
(Northern Las Vegas					2.8%		1.7%]	0.6%		(0.5%)		(1.1%)
Valley) :	l	<u> </u>		\$O	\$6,876,392	\$3,573,997	\$4,658,808	\$2,137,063	\$1,745,300	\$1,994,270	(\$1,500,918)	\$3,339,217	(\$3,597,395)
Boulder City :	1.0%	\$6,542,310	3.0%		2.67%		2.42%	Ţ	2.24%		2.08%		1.94%
i			l 🛭		1.6%		1.4%	j	1.2%	}	1.0%		0.9%
				\$0	\$3,986,154	\$0	\$3,725,427	\$0	\$3,498,060	\$0	\$3,262,143	\$0	\$3,017,438
Mesquite :	0.5%	\$4,362,146	2.0%		1.78%	:	1.62%		1.49%		1.39%		1.29%
					1.3%		1.1%	1	1.0%		0.9%		0.8%
				\$0	\$3,126,468	\$0	\$3,000,430	\$0	\$2,890,518	\$0	\$2,776,473	\$0	\$2,658,180
Clark County	12.5%	\$10,529,669	4.8%		4.97%		6.62%		8.52%		9.63%		10.54%
(Outlying Area):					(7.5%)		(5.9%)		(4.0%)		(2.9%)		(2.0%)
				\$1,650,000	(\$18,475,932)	\$5,705,070	(\$15,897,712)	\$6,977,466	(\$11,647,028)	\$5,422,632	(\$9,053,713)	\$5,313,063	(\$6,675,358)
TOTAL	100.0%	\$220,784,771	100.0%	\$24,241,500		\$24,992,505		\$21,794,818		\$22.614.364		\$23,456,747	

file:m:\10-year\annsum95.xls		Current Fu	nding	Funds	% Phase I								
	Percent of	Funding *	Percent of	For Yr.6	Over/	For Yr.7	Over/	For Yr. 8	Over/	For Yr.9	Over/	For Yr. 10	Over/
Planning Area/Entity	Phase 1	Contracts	Funding	(00/01)	(under)	(01/02)	(under)	(02/03)	(under)	(03/04)	(under)	(04/05)	(under)
Henderson :	15.9%	\$24,195,794	11.0%		14.72%	<u> </u>	14.93%	†	15.31%	<u> </u>	15.53%		15.31%
	1 🛭				(1.1%)		(0.9%)	1	(0.6%)		(0.3%)		(0.6%)
	L			\$5,547,483	(\$4,156,392)	\$4,517,792	(\$3,637,811)	\$5,468,154	(\$2,312,908)	\$5,117,456	(\$1,485,850)	\$3,323,198	(\$2,604,630)
Las Vegas (Central	24.5%	\$61,039,782	27.6%		23.47%		23.39%		23.83%		24.10%		23.72%
Las Vegas Valley):	1 🔛				(1.1%)		(1.2%)		(0.7%)		(0.4%)		(0.8%)
***************************************	<u> </u>			\$6,079,682	(\$3,867,895)	\$5,593,191	(\$4,460,310)	\$7,941,467	(\$2,927,236)	\$7,603,967	(\$1,959,255)	\$4,966,650	(\$3,863,041)
Clark County	22.4%	\$50,458,084	22.9%		25.29%		25.12%		23.70%		22.93%		22.05%
(Southwest Las	l 🛭				2.9%	•	2.8%		1.3%		0.6%		(0.3%)
Vegas Valley):	L			\$1,637,667	\$10,619,775	\$5,723,404	\$10,708,346	\$697,113	\$5,567,676	\$2,985,080	\$2,507,646	\$2,328,765	(\$1,422,274)
North Las Vegas	23.2%	\$63,656,986	28.8%		22.19%		22.10%		22.51%		22.76%		22.40%
(Northern Las Vegas	1 🗎		1 18		(1.0%)		(1.1%)		(0.7%)		(0.4%)		(0.8%)
Valley) :	<u> </u>			\$5,661,932	(\$3,571,677)	\$5,237,308	(\$4,174,807)	\$7,482,118	(\$2,743,483)	\$7,169,883	(\$1,839,286)	\$4,684,060	(\$3,642,280)
Boulder City :	1.0%	\$6,542,310	3.0%		1.81%		1.69%		1.58%		1.48%		2.46%
					0.8%		0.6%		0.5%		0.4%		1.4%
	<u> </u>			\$0	\$2,763,706	\$O	\$2,500,781	\$0	\$2,228,385	\$0	\$1,946,316	\$5,000,000	\$6,654,281
Mesquite :	0.5%	\$4,362,146	2.0%		1.20%		1.13%		1.05%		0.99%		2.00%
]		0.7%		0.6%		0.6%		0.5%	•	1.5%
				\$0	\$2,535,522	\$ 0	\$2,408,421	\$O	\$2,276,742	\$0	\$2,140,386	\$5,000,000	\$6,999,212
Clark County	12.5%	\$10,529,669	4.8%		11.32%		11.65%		12.01%		12.21%		12.06%
(Outlying Area) :	l 🔯				(1.2%)		(0.9%)		(0.5%)		(0.3%)		(0.5%)
***************************************				\$5,395,286	(\$4,323,040)	\$4,131,648	(\$3,344,619)	\$4,522,242	(\$2,089,175)	\$4,162,035	(\$1,309,957)	\$2,691,020	(\$2,121,269)
TOTAL	100.0%	\$220,784,771	100.0%	\$24,322,050		\$25,203,342		\$26,111,094		\$27,038,421		\$27,993,693	\$247.768,535

10-TEAR CONSTRUCTION PRO	GRAW												T=1.00	
					FY 95/96		FY 96/97	,	FY 97/98	3	FY 98/99		FY 99/00	
File: n:\CCRFCD\10-YEAR\FY95_96\10			<u> </u>		(Year 1)		(Year2)		(Year 3)	,	(Year 4)		(Year5)	
	Planning	Project	Priority	1	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Cons
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW	<u> </u>	/ROW		/ROW	<u></u> ,
HENDERSON:														
Sunset Detention Basin, Collection	Pittman	\$6,420,000			gn funded									
System and Outfall (incl. ROW)			92.5								0.642			5.778
Mission Hills Collection System	C-1 Ch.	\$6,120,000	I					Prioritized	by Brd. /	Action 3/3	0/95. Fun	ds acrue b	y 12/96	
West Diversion (incl. ROW)			103.5					5.458						
Southwest C-1 Detention Basin	C-1 Ch.	\$3,350,000												
(Black Mountain)			93.0						0.335	3.015				
Northeast C-1 Detention Basin	C-1 Ch.	\$4,260,000												
& Outfall			103.5											
Northeast C-1 Levee	C-1 Ch.	\$1,830,000												
		_	72.2											
Equestrian Dr Detention Basin &	C-1 Ch.	\$4,780,000]											
Collection System (incl. ROW)			103.0		(a)	5.800	Prioritized	for fundi	ng by Brd	. Action 1	/12/95. Fu	ınds acrue	by 12/95	
C-1 Channel - Middle Reach (Drake	C-1 Ch.	\$5,230,000		Lower r	each desig	n funded								
St RR)	1		80.0								0.523	4.707		
Pittman Park Detention Basin	Pittman	\$5,850,000	-											
			90.5								0.057	0.513		
Duck Creek Channel - Sunset to														
Newport Village	Duck Creek	\$561,300	80.5											
East C-1 Detention Basin	C-1 Ch.	\$1,630,000												
			74.5										0.244	
Pittman/Pecos Detention Basin	Pittman	\$3,468,000									1			
			66.7								 		<u> </u>	
Whitney Ranch Channel	Pittman	\$1,092,000												
	}		83.5											
Gibson Channel	Pittman	\$3,241,000												
,			64.5											
Equestrian Detention Basin Outfall	C-1 Ch.	\$6,065,000												
- - - - - - - - - -	1		54.0											
	Totals	s per Fiscal Year			<u></u>	5.800		5.458		3.350		6.442		6.022
Handares	on 10-Year Total :	\$49,919,000							L		<u> </u>			

Exhibit C

File and CORECTION PRO	n:\CCRFCD\10-YEAR\FY95_96\10YR9596.XLS					FY 01/02	2	FY 02/03		FY 03/04 (Year 9)		FY04/05 (Year 10)	
File: n:\CCRFCD\10-YEAR\FY95_96\10			15: 1	(Year 6)		(Year7)		(Year 8)	0		Const.	Design	Const.
To the Control	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design /ROW	Const.	/ROW	Const
Facility Description HENDERSON:	Area	Cost	Value	/ROW		/ROW		/ROW		1 /KOVV 1		////	
Sunset Detention Basin, Collection	Pittman	\$6,420,000		l		1							
System and Outfall (incl. ROW)	Fittman	\$6,420,000	92.5										
Mission Hills Collection System	C-1 Ch.	\$6,120,000	32.3										
West Diversion (incl. ROW)	0-1 611.	\$6,120,000	103.5										
Southwest C-1 Detention Basin	C-1 Ch.	\$3,350,000	103.5				•			•			
(Black Mountain)	C-1 Cn.	\$3,350,000	93.0										
Northeast C-1 Detention Basin	C-1 Ch.	\$4,260,000	33.0										
& Outfall	0-7 cm.	\$4,200,000	103.5	0.652			6.070						
Northeast C-1 Levee	C-1 Ch.	\$1,830,000	100.0	0.002			0.070						
100000	1	V.,0,000	72.2			0.275			1.560				
Equestrian Dr Detention Basin &	C-1 Ch.	\$4,780,000											
Collection System (incl. ROW)	1	, ,	103.0										
C-1 Channel - Middle Reach (Drake	C-1 Ch.	\$5,230,000											
St RR)	1 1		80.0										
Pittman Park Detention Basin	Pittman	\$5,850,000											
	1		90.5										
Duck Creek Channel - Sunset to		<u>—</u>											
Newport Village	Duck Creek	\$561,300	80.5	0.056	0.504								
East C-1 Detention Basin	C-1 Ch.	\$1,630,000											
			74.5		1.384								
Pittman/Pecos Detention Basin	Pittman	\$3,468,000											
			66.7		2.948								
Whitney Ranch Channel	Pittman	\$1,092,000											
			83.5									0.164	0.928
Gibson Channel	Pittman	\$3,241,000											
			64.5							0.486			2.755
Equestrian Detention Basin Outfall	C-1 Ch.	\$6,065,000											
			54.0					0.760			4.305		
		s per Fiscal Year	(x \$1,000,000)		5.544		6.345	<u></u>	2.320		4.791	L	3.847
Henderso	n 10-Year Total :	\$49,919,000											

10-YEAR CONSTRUCTION PROG					FY 95/96	-	FY 96/97	,	FY 97/98	3	FY 98/99		FY 99/00	
File: n:\CCRFCD\10-YEAR\FY95_96\10YF	R9596.XLS				(Year 1)		(Year2)		(Year 3)		(Year 4)		(Year5)	
	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW		/ROW	
LAS VEGAS (Central Las Vegas Valley):													******************	
Angel Park Detention Basin	Gowan	\$1,785,000												
Expansion (APNO 0000)	<u> </u>		100.5	J		1.785	Prioritized	for fund	ing by Brd	. Action 2	/9/95. Fun	ds acrue b	y 4/96	**********
Washington Ave. Channel - Reach 4	* Central	\$6,111,500	,						.*					
(Eastern to Sagman - LVWH 0298)			99.0			3.806	100000000000000000000000000000000000000							2.306
Upper Washington Ave. Channel &	Central	\$5,931,000				Prioritized	for fundir	ng by Brd.	Action 3/	30/95. Fu	nds acrue	by 8/96		
Spaghetti Bowl (WAPR 0000,				\$0.410	M ATP									
LVWH 0448, 0447, 0374)			98.5	1			0.190			2.038		0.676		
Freeway Conveyance South LV Cr. to	Central	\$9,594,000												
Charleston (FW15 0000,0038)	1		98.5	ł										
Oakey Drain - I15 to Valley View	Central	\$3,272,000		Constru	cted w/Se	wer & RT	С							
(FWOK 0000, 0044			91.5		0.110		0.290	2.190		0.682				
Freeway Channel Bypass Facility	Central	\$3,060,000												
(Oakey to Wall FWUP 0000, 0059		<u> </u>	93.5											
Freeway Channel South	Central	\$5,874,000		Sahara	to Ivanhoe	Construc	ted with N	IDOT						
Charleston to Sahara (FW15 0089)			93.5											
Owens Avenue System	Central	\$3,126,000			with RTC									
(Rancho to I-15 LVOW 0000))			95.5				0.200			2.926				
Gowan North Channel - North	Gowan	\$6,070,000	-		gn funded				l					
Basin to Lone Mnt Rd. GONO 0046)			87.5		0.300			0.728			0.400		1.906	
Lone Mountain System	Gowan	\$1,187,000												
Outfall to Durango (GOLM 0000)		ļ	87.5						0.200			0.987		
Freeway Channel - North	Central	\$770,000												
Washington Ave. (I15 to Martin Luther)			77.5		0.070			0.700						
Colorado Avenue System	Central	\$14,770,000												
(Las Vegas Wash to I-515)	_1	L	90.0									• • • • •	0.500	
		als per Fiscal Year	(x \$1,000,000)	L		6.071		4.298	L	5.846		2.063		4.712
Las Vegas	10-Year Total:	\$51,860,500				<u> </u>								

				FY 00/01		FY 01/02	2	FY 02/03	}	FY 03/04		FY04/05	
File: n:\CCRFCD\10-YEAR\FY95_96\10YR	9596.XLS			(Year 6)		(Year7)		(Year 8)		(Year 9)		(Year 10))
	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	
LAS VEGAS (Central Las Vegas Valley):	-												
Angel Park Detention Basin	Gowan	\$1,785,000											
Expansion (APNO 0000)			100).5			•						
Washington Ave. Channel - Reach 4	Central	\$6,111,500											
(Eastern to Sagman - LVWH 0298)		}	9:	0.0									
Upper Washington Ave. Channel &	Central	\$5,931,000											
Spaghetti Bowl (WAPR 0000,													
LVWH 0448, 0447, 0374)	1		98	3.5	2.707								
Freeway Conveyance South LV Cr. to	Central	\$9,594,000											
Charleston (FW15 0000,0038)			98	.5 0.500	2.000		2.000		5.094				
Oakey Drain - I15 to Valley View	Central	\$3,272,000	1										
(FWOK 0000, 0044		<u> </u>	9.	.5									
Freeway Channel Bypass Facility	Central	\$3,060,000											
(Oakey to Wall FWUP 0000, 0059			93	.5				0.420			2.640		
Freeway Channel South	Central	\$5,874,000											
Charleston to Sahara (FW15 0089)	<u> </u>		93	.5						0.500	2.687		2.68
Owens Avenue System	Central	\$3,126,000											
(Rancho to I-15_LVOW 0000))			95	.5									
Gowan North Channel - North	Gowan	\$6,070,000											
Basin to Lone Mnt Rd. GONO 0046)			87	.5			1.673		1.063				
Lone Mountain System	Gowan	\$1,187,000											
Outfall to Durango (GOLM 0000)			87	.5									
Freeway Channel - North	Central	\$770,000											
Washington Ave. (I15 to Martin Luther)			77	.5									
Colorado Avenue System	Central	\$14,770,000											
(Las Vegas Wash to I-515)			<u> </u>	.0				0.900			2.000		2.000
	Tota	als per Fiscal Year	(x \$1,000,00	0)	5.207		3.673		7.477	<u> </u>	7.827	<u> </u>	4.687
Las Vegas	10-Year Total:	\$51,860,500											

Exhibit C

10-YEAR CONSTRUCTION PRO	GKAM										T========		TEV 00/00	
					FY 95/96		FY 96/97	7	FY 97/98	3	FY 98/99	1	FY 99/00	
File: n:\CCRFCD\10-YEAR\FY95_96\10Y	/R9596.XLS				(Year 1)		(Year2)		(Year 3)		(Year 4)		(Year5)	
	Planning	Project	Priority	1	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW	L	/ROW		/ROW	
NORTH LAS VEGAS (Northern Las Vega	s Valley) :		·				•	***************************************	× 1000000000000000000000000000000000000	·····	os monococcoccocco	***********	oo 00000000000000000000000000000000000	
Sloan Channel (Las Vegas Wash -	Range	\$4,950,000	1		gn funded									
Confluence Det. Basin)			101.0											1.220
West Tributary Channel (Confluence	Range	\$4,990,000	J	Interloc	al execute	d 12/8/94	H							
Det. Basin - Las Vegas Blvd)			98.0	1			0.500					1.300		1.670
Lower Las Vegas Wash Detention	N. LV Wash	\$3,990,000		Interloc	al execute	d 12/8/94	ļ.							
Basin (incl. ROW)		<u> </u>	95.0					3.170		3.330		2.000		
Sunrise Moutain Detention Basins	Range	\$940,000												
(ROW acq.)			90.0											
A Channel (Lake Mead - Las Vegas	N. LV Wash	\$5,710,000												
Blvd)			90.0				0.500							
West Tributary Channel (LV Blvd	Range	\$4,270,000												
UPRR)			90.0										0.800	
A Channel (LV Blvd - Camino Al	N. LV Wash	\$8,360,000		Camino	Al Norte	rossing c	ompleted							
Norte)			87.0											
A Channel Craig Road Confluence	N. LV Wash	\$1,000,000												
Structure			87.0										0.200	
Upper Las Vegas Wash -	N. LV Wash	\$4,429,000												
Craig Road to Ann Road	1		87.0											
East Range Wash Detention Basin	Range	\$2,650,000												
•			57.5											
	Total	ls per Fiscal Year	(x \$1,000,000)			0.000		4.170		3.330		3.300		3.890
North Las Vega	s 10-Year Total :	\$42,938,000												
CLARK COUNTY (Southwest Las Vegas	Valley) :]			
Lower Duck Creek Detention Basin	uck/Blue Dia	\$8,000,000												
(incl. ROW)	İ		117.0											
Corps of Engineer's Tropicana/	Flam./Trop.	\$41,142,001												
Flamingo Project			<u> </u>			11.201		6.336		7.158		8.461		6.349
Flamingo Wash (Tropicana Wash	Flam./Trop.	\$4,990,000												
to Decatur Blvd.)			101.5											
Flamingo Wash (McLeod to	Flam./Trop.	\$2,490,000												
Tropicana Wash)			95.0				l							
Buffalo/Desert Inn Drain; Rainbow	Flam./Trop.	\$5,630,000												
Drain; Desert Inn Detention Basin	, '		82.5											
	Total	s per Fiscal Year	(x \$1,000,000)			11.201		6.336		7.158		8.461		6.349
Clar	k County (SWLVV)		\$60,410,001											

		FY 00/01		FY 01/02	2	FY 02/03		FY 03/04	•	FY04/05			
File: n:\CCRFCD\10-YEAR\FY95_96\10\	/R9596.XLS			(Year 6)		(Year7)		(Year 8)		(Year 9)		(Year 10)	
	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	
NORTH LAS VEGAS (Northern Las Vega	as Valley) :												
Sloan Channel (Las Vegas Wash -	Range	\$4,950,000											
Confluence Det. Basin)			101.0						2.780		1.000		
West Tributary Channel (Confluence	Range	\$4,990,000	1										
Det. Basin - Las Vegas Blvd)			98.0						1.220				
Lower Las Vegas Wash Detention	N. LV Wash	\$3,990,000											
Basin (incl. ROW)			95.0										
Sunrise Moutain Detention Basins	Range	\$940,000	<u> </u>										
(ROW acq.)			90.0			0.940					1.000		2.000
A Channel (Lake Mead - Las Vegas	N. LV Wash	\$5,710,000	1										
Blvd)			90.0		5.210								
West Tributary Channel (LV Blvd	Range	\$4,270,000											
UPRR)			90.0				3.170						
A Channel (LV Blvd - Camino Al	N. LV Wash	\$8,360,000											
Norte)			87.0	0.780					2.740		2.740		
A Channel Craig Road Confluence	N. LV Wash	\$1,000,000											
Structure			87.0		0.800								
Upper Las Vegas Wash -	N. LV Wash	\$4,429,000											
Craig Road to Ann Road			87.0							0.650			2.568
East Range Wash Detention Basin	Range	\$2,650,000											
			57.5	020000000000000000000000000000000000000						0.650			
		s per Fiscal Year	(x \$1,000,000)	<u> </u>	6.790	<u> </u>	4.110		6.740		6.040		4.568
	s 10-Year Total :	\$42,938,000											
CLARK COUNTY (Southwest Las Vegas	Valley) :	· · · · · · · · · · · · · · · · · · ·											
Lower Duck Creek Detention Basin	uck/Blue Dia	\$8,000,000											
(incl. ROW)			117.0			0.894	5.000		2.422				
Corps of Engineer's Tropicana/	Flam./Trop.	\$41,142,001											
Flamingo Project					1.638								
Flamingo Wash (Tropicana Wash	Flam./Trop.	\$4,990,000											
to Decatur Blvd.)			101.5					0.500	1.482		3.008		
Flamingo Wash (McLeod to	Flam./Trop.	\$2,490,000										l	
Tropicana Wash)			95.0							0.306	2.000		0.184
Buffalo/Desert Inn Drain; Rainbow	Flam./Trop.	\$5,630,000											
Orain; Desert Inn Detention Basin			82.5									0.472	3.000
		s per Fiscal Year (1.638		5.894		4.404		5.314	L	3.656
Clar	k County (SWLVV)	10-Year Total :	\$60,410,001										

		FY 95/96		FY 96/97	7	FY 97/98	}	FY 98/99		FY 99/00				
File: n:\CCRFCD\10-YEAR\FY95_96\10	YR9596.XLS			_	(Year 1)		(Year2)		(Year 3)		(Year 4)		(Year5)	
	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	-Const.
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW	<u> </u>	/ROW		/ROW	
CLARK COUNTY (Outlying Areas):														
Hiko Springs Det. Basin Outfall	Laughlin	\$3,000,000	•				0.250	1.891		0.859				
Goodsprings - Phase 1	Goodsprings	\$352,700	*	Design	funded			0.500						
Improvements			ļ	 	l			0.500						
Searchlight - Eastern Portion Improvements	Searchlight	\$405,800	•	Design	tunded									
Bunkerville	Bunkerville	\$1,297,000	*	Design	funded			1.294 0.297						
Muddy River	Moapa Valley	\$8,259,000	*		1.650					4.172		2.435		
Overton Wash/ Railroad Channel	Moapa Valley	\$15,350,000	•		Prioritized	for fundi	ng by Brd.	Action 1/	12/95. Fu	nds acrue	by 2/96	1.500		
Blue Diamond	Blue Diamond	\$170,000	*									1.500	0.038	0.212
Bridge Canyon - Floodway/Outfall	Laughlin	\$9,250,000	•										0.576	3.000
Indian Springs	Indian Springs	\$594,700												
,	Total	s per Fiscal Year	(x \$1,000,000)	,		1.650		4.232		5.031		3.935		3.826
Cla	ark County (Outlying)	10-Year Total:	\$33,809,000											

			FY 00/01				FY 02/03		FY 03/04 (Year 9)		FY04/05		
File: n:\CCRFCD\10-YEAR\FY95_96\10YR9596.XLS					(Year 6)		(Year7)		(Year 8)			(Year 10)	
	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	
CLARK COUNTY (Outlying Areas):													
Hiko Springs Det. Basin Outfall	Laughlin	\$3,000,000	*										
Goodsprings - Phase 1 Improvements	Goodsprings	\$352,700	*										
Searchlight - Eastern Portion Improvements	Searchlight	\$405,800	*						0.406				
Bunkerville	Bunkerville	\$1,297,000	*										
Muddy River	Moapa Valley	\$8,259,000	•										
Overton Wash/ Railroad Channel	Moapa Valley	\$15,350,000	*				0.819		2.680		2.998		1.963
Blue Diamond	Blue Diamond	\$170,000	*										
Bridge Canyon - Floodway/Outfall	Laughlin	\$9,250,000			3.951		1.723						
Indian Sprìngs	Indian Springs	\$594,700	*	0.100			0.495						
	Total	s per Fiscal Year	(x \$1,000,000)		4.051		3.037		3.086		2.998	<u> </u>	1.963
Cl	ark County (Outlying)	10-Year Total:	\$33,809,000										

					FY 95/96		FY 96/97		FY 97/98		FY 98/99		FY 99/00	
File: n:\CCRFCD\10-YEAR\FY95 96\10	YR9596.XLS				(Year 1)		(Year2)		(Year 3)		(Year 4)		(Year5)	
	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW		/ROW	L
CITY OF MESQUITE													0 0000000000000000000000000000000000000	
Phase II Bank Protection	Town Wash	\$2,660,000	*								٠.			
I15 to Virgin River		•												
Earthen Channel	Abbott Wash	\$2,100,000	*											
115 to Virgin River	1 1													
I15 to Virgin River	ulsipher Was	\$1,200,000	•											
	Total	s per Fiscal Year	(x \$1,000,000)			0.000		0.000		0.000		0.000		0.000
 ,	City of Mesquite		\$5,960,000						<u> </u>					
BOULDER CITY		· · · · · · · · · · · · · · · · · · ·												
Channel & Box Culverts	West Airport	\$2,700,000	W											
Basin,Channels, Culverts & Drains	North Railroad	\$1,755,000	*											
Replace Culverts	Georgia/ Buchanan	\$600,000	*											
	Total	s per Fiscal Year	(x \$1,000,000)			0.000		0.000		0.000	<u> </u>	0.000	<u> </u>	0.000
	Boulder City	10-Year Total:	\$5,055,000											
	Program Tota	l per Fiscal Year	(x \$1,000,000)			24.722		24.494		24.715		24.201		24.799
Projected Revenue Per Fiscal Year (x \$1,000,000)					(a)	28.238		20.996		21.795		22.614		23.457
Remaining Revenue Per Fiscal Year (x\$1,000,000)						3.517		(3.498)		(2.920)		(1.586)	<u> </u>	(1.342)
10-Year Total	95/96 thru 04/05 :													<u></u>
10-Year F	Projected Revenue:	\$247,768,534												

⁽a) Includes revenue income, \$2.827M acrued in 94/95 for 95/96 project and \$6.199M remaining from previously set aside for COE.

DRAFT
10-YEAR CONSTRUCTION PROGRAM

			FY 00/01		FY 01/02	2	FY 02/03	, <u> </u>	FY 03/04		FY04/05	
File: n:\CCRFCD\10-YEAR\FY95_96\10YR9596.XLS					(Year7)		(Year 8)	_	(Year 9)		(Year 10)	
Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	
,		5										
Town Wash	\$2,660,000	*										
		<u> </u>									0.399	2.261
Abbott Wash	\$2,100,000	*										
											0.315	1.785
ulsipher Was	\$1,200,000	*										
											0.180	1.020
Total	s per Fiscal Year	(x \$1,000,000)		0.000		0.000		0.000		0.000		5.960
City of Mesquite	10-Year Total :	\$5,960,000										
West Airport	\$2,700,000	*										
											2.700	
North	\$1,755,000	*										
Railroad											2.700 1.755 0.600	
Georgia/	\$600,000	*										
Buchanan											0.600	
Totals	s per Fiscal Year	(x \$1,000,000)		0.000		0.000		0.000		0.000		5.055
Boulder City	10-Year Total:	\$5,055,000										
Program Tota	l per Fiscal Year	(x \$1,000,000)		23.230		23.059		24.027		26.970		29.736
Projected Revenu	e Per Fiscal Year	(x \$1,000,000)		24.322		25.203		26.111		27.038		27.994
Remaining Revenu	ue Per Fiscal Yea	r (x\$1,000,000)		1.092		2.144		2.084		0.068		(1.742)
95/96 thru 04/05 :	\$249,951,501	ν										
Projected Revenue:	\$247,768,534											
	Planning Area Town Wash Abbott Wash ulsipher Was Total: City of Mesquite West Airport North Railroad Georgia/ Buchanan Total: Boulder City Program Total Projected Revenu Remaining Revenu 95/96 thru 04/05:	Planning Cost Area Cost Town Wash \$2,660,000 Abbott Wash \$2,100,000 ulsipher Was \$1,200,000 Totals per Fiscal Year City of Mesquite 10-Year Total: West Airport \$2,700,000 North \$1,755,000 Railroad \$600,000 Buchanan Totals per Fiscal Year Boulder City 10-Year Total: Program Total per Fiscal Year Projected Revenue Per Fiscal Year	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	

(a) Includes revenue income, \$2.827M acrued in 94/95 for 95/96 project and \$6.199M remaining from previously set aside for COE.

PHASE 1 CONSTRUCTION PROGRAM Summary of Funding

file:n:\CCRFCD\10-year\

FY95_96\funsum95.xls		Current Fu	nding	Funds	Total Funding		Funding	Estimated Total	Percent	Percent of Total Over
	Percent of	Funding *	Percent of	Remaining	Programmed and		Proposed on	Through	of	(Under) Programmed
Planning Area/Entity	Phase 1	Contracts	Funding	on Bond List	Committed	∭_	10-Year Program	FY 04/05	Total	Amount
Henderson :	15.9%	\$24,195,794	11.0%	\$0	\$24,195,794		\$49,919,000	\$74,114,794	15.8%	(0.1%) (\$469,846)
Las Vegas (Central Las Vegas Valley) :	24.5%	\$61,039,782	27.6%	\$0	\$61,039,782	7	\$51,162,500	\$112,202,282	23.9%	(0.7%) (\$3,158,269)
Clark County (Southwest Las Vegas Valley) :	22.4%	\$50,458,084	22.9%	\$0	\$50,458,084		\$60,410,001 (a)	\$110,868,085	23.6%	1.2% \$5,779,364
North Las Vegas (Northern Las Vegas Valley) :	23.2%	\$63,656,986	28.8%	\$0	\$63,656,986	_	\$42,938,000	\$106,594,986	22.7%	(0.5%) (\$2,328,242)
Boulder City :	1.0%	\$6,542,310	3.0%	\$0	\$6,542,310		\$5,055,000	\$11,597,310	2.5%	1.4% \$6,693,789
Mesquite :	0.5%	\$4,362,145	2.0%	\$0	\$4,362,145	_	\$5,960,000	\$10,322,145	2.2%	1.7% \$7,951,723
Clark County (Outlying Area) :	12.5%	\$10,529,669	4.8%	\$0	\$10,529,669		\$33,809,000	\$44,338,669	9.4%	(3.1%) (\$14,468,518)
TOTAL	. 100.0%	\$220,784,770	100.0%	\$0	\$220,784,770		\$249,253,501	\$470,038,271	100.0%	

(a) Includes \$41,142,001 for COE Trop/Flamingo Project 95/96 thru 04/05

Includeds Project Close Outs and Present Interlocal Contracts

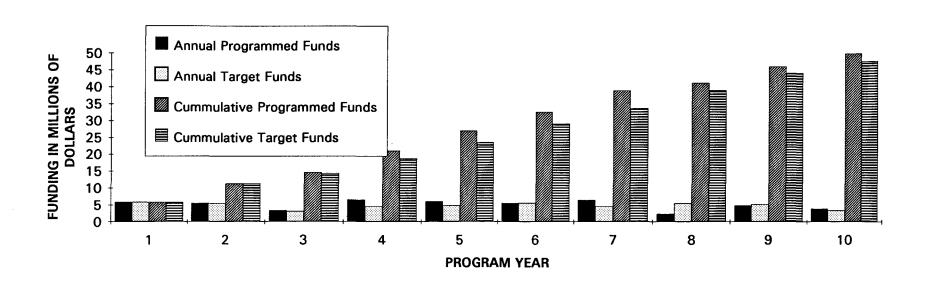
EXHIBIT 6

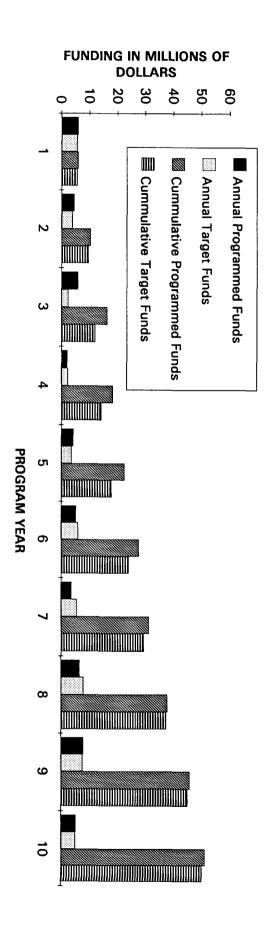
SUMMARY PROGRAMMED VS	S. TARGET	Yr. 1	Cum	Yr. 2	Cum	Yr.3	Cum	Yr. 4	Cum	Yr. 5	Cum
Henderson	Programmed	5.800	5.800	5.458	11.258	3.350	14.608	6.442	21.050	6.022	27.072
	Target	5.800	5.800	5.458	11.258	3.052	14.310	4.470	18.780	4.794	23.575
	Over/(under)	0.000	0.000	0.000	0.000	0.298	0.298	1.972	2.270	1.228	3.497
Las Vegas	Programmed	5.961	5.961	4.408	10.369	5.846	16.215	2.063	18.278	4.212	22.490
	Target	5.591	5.591	3.919	9.510	2.470	11.980	2.267	14.247	3.661	17.908
	Over/(under)	0.370	0.370	0.489	0.859	3.376	4.234	(0.204)	4.031	0.551	4.581
North Las Vegas	Programmed	0.000	0.000	4.170	4.170	3.330	7.500	3.300	10.800	3.890	14.690
	Target	0.000	0.000	3.574	3.574	2.137	5.711	1.994	7.705	3.339	11.045
	Over/(under)	0.000	0.000	0.596	0.596	1.193	1.789	1.306	3.095	0.551	3.645
. Clark County	Programmed	11.201	11.201	6.336	17.537	7.158	24.695	8.461	33.155	6.349	39.504
	Target	11.201	11.201	6.336	17.537	7.158	24.695	8.461	33.155	6.349	39.504
	Over/(under)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mesquite	Programmed	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Target	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Over/(under)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Boulder City	Programmed	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Target	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
	Over/(under)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Clark County Outlying	Programmed	1.650	1.650	4.232	5.882	5.031	10.913	3.935	14.848	3.826	18.674
l.	Target	1.650	1.650	5.705	7.355	6.977	14.333	5.423	19.755	5.313	25.068
	Over/(under)	0.000	0.000	(1.473)	(1.473)	(1.946)	(3.420)	(1.488)	(4.907)	(1.487)	(6.394)
TOTAL PROGRAM	Programmed	24.612	24.612	24.604	49.216	24.715	73.930	24.201	98.131	24.299	122.430
	Target	24.242	24.242	24.993	49.234	21.795	71.029	22.614	93.643	23.457	117.100
	Over/(under)	0.370	0.370	(0.389)	(0.019)	2.920	2.901	1.586	4.488	0.842	5.330

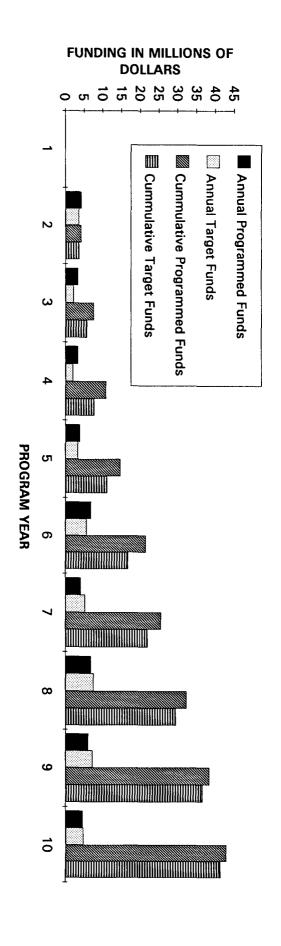
EXHIBIT 6

SUMMARY PROGRAMMED V	S. TARGET	Yr.6	Cum	Yr. 7	Cum	Yr. 8	Cum	Yr.9	Cum	Yr. 10	Cum
Henderson	Programmed	5.544	32.616	6.345	38.961	2.320	41.281	4.791	46.072	3.847	49.919
	Target	5.547	29.122	4.518	33.640	5.468	39.108	5.117	44.225	3.323	47.549
	Over/(under)	(0.003)	3.494	1.827	5.321	(3.148)	2.173	(0.326)	1.847	0.524	2.370
Las Vegas	Programmed	5.207	27.697	3.673	31.370	6.577	37.947	7.929	45.876	5.287	51.163
	Target	6.080	23.988	5.593	29.581	7.941	37.523	7.604	45.127	4.967	50.093
	Over/(under)	(0.873)	3.708	(1.920)	1.788	(1.364)	0.424	0.325	0.749	0.320	1.069
North Las Vegas	Programmed	6.790	21.480	4.110	25.590	6.740	32.330	6.040	38.370	4.568	42.938
	Target	5.662	16.706	5.237	21.944	7.482	29.426	7.170	36.596	4.684	41.280
	Over/(under)	1.128	4.774	(1.127)	3.646	(0.742)	2.904	(1.130)	1.774	(0.116)	1.658
Clark County	Programmed	1.638	41.142	5.894	47.036	4.404	51.440	5.314	56.754	3.656	60.410
	Target	1.638	41.142	5.723	46.865	0.697	47.563	2.985	50.548	2.329	52.876
	Over/(under)	0.000	0.000	0.171	0.171	3.707	3.877	2.329	6.206	1.327	7.534
Mesquite	Programmed	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.960	5.960
	Target	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.000	5.000
	Over/(under)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.960	0.960
Boulder City	Programmed	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.055	5.055
<u> </u>	Target	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	5.000	5.000
	Over/(under)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.055	0.055
Clark County Outlying	Programmed	4.051	22.725	3.037	25.762	3.086	28.848	2.998	31.846	1.963	33.809
l.	Target	5.395	30.464	4.132	34.595	4.522	39.117	4.162	43.279	2.691	45.970
	Over/(under)	(1.344)	(7.739)	(1.095)	(8.833)	(1.436)	(10.269)	(1.164)	(11.433)	(0.728)	(12,161)
TOTAL PROGRAM	Programmed	23.230	145.660	23.059	168.719	23.127	191.846	27.072	218.918	30.336	249.254
	Target	24.322	141.422	25.203	166.625	26.111	192.736	27.038	219.775	27.994	247.769
	Over/(under)	(1.092)	4.238	(2.144)	2.093	(2.984)	(0.891)	0.034	(0.857)	2.342	1.485

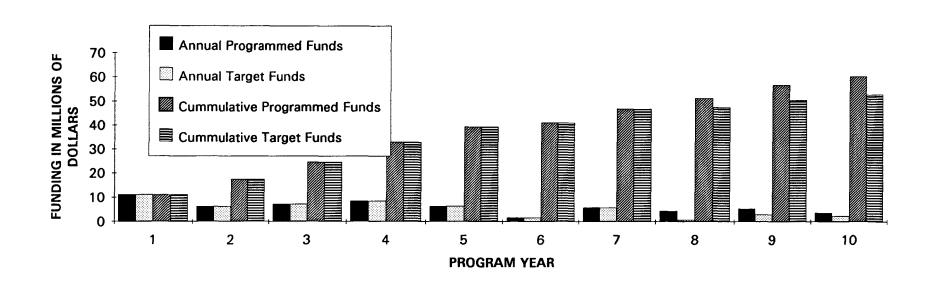
City of Henderson



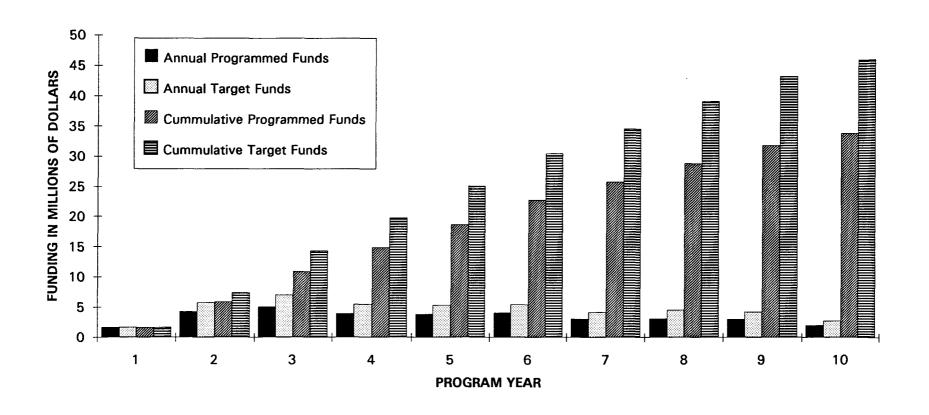




Clark County



Clark County Outlying



Total Program

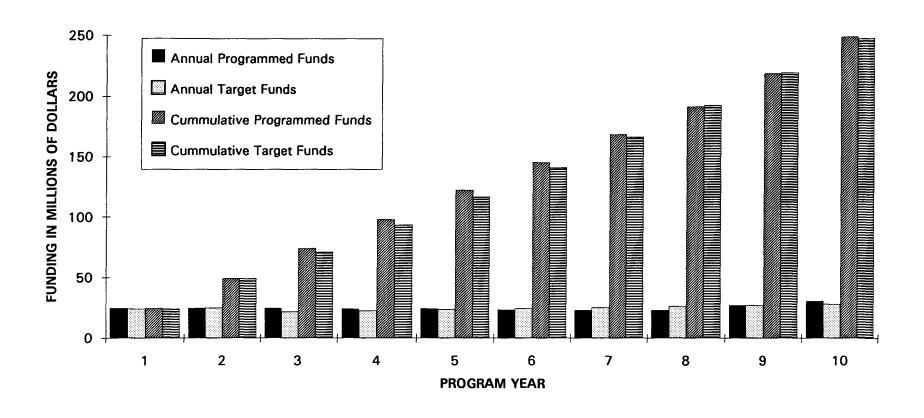


Exhibit B

Page 1 of 5

Troposed Amendments 13:	<u> </u>	<u></u>	4											
As Amended by the Board on August 13	,, 1992; Novemb	er 12, 1992; Decem	ber 10, 19	92; Augus	t 11, 1993	; July 14,	1994		file:n:	\CCRFCD\	10year\fy95	5_96\prir9'	596.xls	
	Planning	Project	Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Environ.	Mainten.	TOTAL]
Facility Description	Area	Cost	val (5.0)	val (4.5)	val (4.0)	val (3.5)	val (3.0)	val (2.5)	val (2.0)	val (1.5)	val (1.0)	val (0.5)	val]
HENDERSON:							<u> </u>							_]
UPRR Channel	Pittman	\$3,086,000	5	5	5	3	5	2	4	5	4	4	42	1
	'		25.0	22.5	20.0	10.5	5 15.0	5.0	8.0	7.5	5 4.0	0 2.0	0 119.5	5
Lower C-1 Channel (Lake Mead Dr	C-1 Ch.	\$4,140,000		4	2	5	5	2	4	4	2	4	37	1
Drake St.)	·	1	25.0	18.0	1 -	17.5	1 -	1 -	1 '	1 '	1 -	2.0	106.5	5
Sunset Detention Basin, Collection	Pittman	\$6,420,000		4	4	4	4	3	4	3	1	3	32	1
System and Outfall (incl. ROW)	, , , ,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	10.0	1 '	j ' .	1 '	1 '	1 -	1 '	1	1 '	1		5
Mission Hills Detention Basin and	C-1 Ch.	\$6,120,000		4	3	4	4	4 7.5	4	4	2 1.0	3	36	4
Collection System (incl. ROW)	,	70,120,000	20.0	1 '	1	1 '	1 '		1 1	I .	_		1	5
Southwest C-1 Detention Basin (ROW	C-1 Ch	\$1,896,100	-1	10.0	324	3			4.4		12.	31	27 04	
	VIVII.	91,000,100		í			24	13		33,,				93
acq.)	4	17.505.500	15.0	18.0	~		oc (000000000000000000000000000000000000		-					
Northeast C-1 Detention Basin	C-1 Ch.	\$6,520,000		1 4	3	3.2	2 A	114	4	/3 (A)	di '	3	26 79, 0	
& Outfall			15.0	18.0										<u>利</u> (の:
Equestrian Dr Detention Basin &	C-1 Ch.	\$4,780,000	4	4	4	3	4	4	3	4	3	3	36	
Collection System (incl. ROW)		<u></u>	20.0	18.0	16.0	10.5	12.0	10.0	6.0	6.0	3.0	1.5	5 103.0	ر
C-1 Channel - Middle Reach (Drake	C-1 Ch.	\$5,230,000	3	3	4	2	2	1	4	4	4	4	31	1
St RR)			15.0	13.5	16.0	7.0	6.0	2.5	8.0	6.0	4.0	2.0	80.0	اد
Pittman Park Detention Basin	Pittman	\$565,000	2	3	3	4	3	4	5	5	3	3	35	1
	1	1	10.0	I .					1	_		_		5
Duck Creek Channel, Sunset to	Duck Creek	\$560,300	3	3	4	3	2	1	3	3	4	5	31	1
Newport Village	,	1	15.0	I -	1 1	1 1	1 -	1 '	-		1 '	_		ج
Pittman Wash (Duck Creek -	Pittman	\$4,390,000	1	5	3	5	2	4	5 5.0	4	2 7.0	2 2.3	33	1
Stephanie St)	,	1	5.0	-	1 1			1 '	-			1	j	٨
Whitney Ranch Channel	Pittman	\$1,092,000		4	4	17.5	1	10.0	2	A a Section	1	2	18	á
Whitney names common	111011011	1 ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5.0							1			1/	، جها
		12 222 000											<u> </u>	400
Gibson Conveyance System	Pittman	\$2,980,000	1 1	2	2 0	4	3	2 50	4	2	2	3	25	
		<u> </u>	5.0									CD 000000000000000000000000000000000000		싀
Cosmo World Detention Basin (incl.	Pittmen	\$9,860,000	1	3	1 1	\$ 25.00 \$ 25.00 \$ 10.00 \$ 10.0	7 4 3	1	4	2	2	1	20	ړ. 🌡
ROW)	1	<u>'</u>	5.0		and the second s	in the contract of the Contrac							54.0	169
East Detention Basin (Incl. ROW)	C-1 Ch.	\$1,630,000	4	3	3	4	3	1	3	4	3	3	31 ./	<i>A</i>
	<u> </u>	1	20.0	13.5	12.0	14.0	9.0	2.5	6.0	6.0	3.0	1.5	87.5	114;
Railroad East Conveyance	Pittman	\$5,608,000	1	2	(1)	2	2	3	4	3	2	1	21	4
& Detention Basin	1	4	5.0	9.0	4.0	7.0	6.0	7.5	8.0	4.5	2.0	0.5		s 58
Equestrian Dr Detention Basin Outtall	C-1 Ch.	\$5,070,000	2	3	2	2	3	2	4	2	2	11	23 🦯	4
	1	1	10.0						8.0			0.5		154
Mac Donald Ranch Detention Basin	Pittmen	\$70,000		3	0	1	4	2	4	2	17		52	₩ \
(ROW acq.)	1	1	5.0	t							1.0	.l'' n =		142
Pittman Pecos Detention Basin	Pittman	\$3,468,000	4	/////////////////////////////////////				4 4			****	0.5	02	*
Aliman recos Datendos posos	f. t.u.ion	1 ***,*********************************			1 40	1			(*)		4	1	83 /	39
	4		20.0					10.0		6.0	1.0		4 ***********	4
Northeast/East Levee	C-1 Ch.	\$1,830,300	3	4	4	3	2	4 1 2	3	, 'T	4	3	78	As e
		ıJ	15.0		16.0						1.0	1.5	78.0	alu~
McDonald Ranch Channel	Pittman	\$120,000	e de la composição de lacerda de la composição de la comp	2	<i></i>	0	4	1 2	4	3	4	4 1 7	49	4 .
	**************************************	*	5.0		~~~~~~~~.	~	12.0	5.0	8.0	4.5	~*******************	~*************************************	~~~~	

Proposed Amendments 1995

			_											
As Amended by the Board on August 13	3, 1992; Novemb	er 12, 1992; Decem		92; Augus	, 	; July 14,	1994			\CCRFCD\	10year\fy9	5_96\prir9		
	Planning	Project	Pop.	Land	Public	Access	Avoid.	Funding	Relation.	implem.	Environ.	Mainten.	ТОТ	AL
Facility Description	Area	Cost	val (5.0)	val (4.5)	val (4.0)	val (3.5)	val (3.0)	val (2.5)	val (2.0)	val (1.5)	val (1.0)	val (0.5)	val	
LAS VEGAS (Central Las Vegas Valley)														
Carey Ave/Lake Mead Detention	Central	\$4,200,000	4	3	4	3	5	4	3	5	1	3	35	
Basin			20.0	13.5	16.0	10.5	15.0	10.0	6.0	7.9	5 1.0	1.	5	101.0
Oakey Detention Basin and	Central	\$6,600,000	4	4	3	5	2	5	3	4	1	4	35	
Collection System			20.0	18.0	12.0	17.5	6.0	12.5	6.0	6.0	1.0	2.	0	101.0
Oakey Detention Basin Outfall	Central	\$3,890,000	4	4	3	5	2	5	3	4	1	4	35	
			20.0	18.0	12.0	17.5	6.0	12.5	6.0	6.0	1.0	2.	0	101.0
Gowan Outfall Structure (Decatur -	Gowan	\$4,530,000	4	4	5	4	2	1	5	5	1	3	34	
Tenaya Way)		<u></u>	20.0	18.0	20.0	14.0	6.0	2.5	10.0	7.5	5 1.0	1.	5	100.
Gowan Detention Basins	Gowan	\$11,560,000	4	4	5	4	2	1	5	5	1	3	34	
			20.0	18.0	20.0	14.0	6.0	2.5	10.0	7.5	5 1.0	1.5	5	100.9
Angel Park Detention Basin	Gowan	\$100,000	4	4	2	4	4	5	5	2	1	4	35	
Expansion			20.0	18.0	8.0	14.0	12.0	12.5	10.0	3.0	1.0	2.0	<u> </u>	100.
Cheyenne Channel	Gowan	\$1,000,000	3	3	4	4	4	5	5	3	1	4	36	
			15.0	13.5	16.0	14.0	12.0	12.5	10.0	4.5	1.0	2.0	<u> </u>	100.
Peccole Ranch Outfalls (Rampart	Gowan	\$1,490,000	3	3	3	4	4	5	5	5	1	4	37	
Storm Drain)			15.0	13.5	12.0	14.0	12.0	12.5	10.0	7.5	1.0	2.0	<u> </u>	99.5
Washington Avenue Channel - Reach	Central	\$7,740,000	4	3	4	5	3	1	4	5	3	4	36	
1 (Las Vegas Wash - Honolulu)			20.0	13.5	16.0	17.5	9.0	2.5	8.0	7.5	3.0	2.0		99.0
Washington Avenue Channel - Reach	Central	\$5,750,000	4	3	4	5	3	1	4	5	3	4	36	
2 (Honolulu - Mojave Rd)			20.0	13.5	16.0	17.5	9.0	2.5	8.0	7.5	3.0	2.0		99.0
Washington Avenue Channel - Reach	Central	\$3,420,000	4	3	4	5	3	1	4	5	3	4	36	
3 (Mojave Rd - 24th St)			20.0	13.5	16.0	17.5	9.0	2.5	8.0	7.5	3.0	2.0		99.0
Washington Avenue Channel - Reach	Central	\$4,080,000	4	3	4	5	3	1	4	5	3	4	36	
4 (24th St - F St)			20.0	13.5	16.0	17.5	9.0	2.5	8.0	7.5	3.0	2.0		99.0
Washington Ave Channel Parallel	Central	\$7,680,000	4	3	4	5	3	1	4	5	3	4	36	
Drain to F St.	1		20.0	13.5	16.0	17.5	9.0	2.5	8.0	7.5	3.0	2.0		99.0

Proposed Amendments 1995

As Amended by the Board on August 13											10year\fy9			
	Planning	Project	Pop.	Land	Public	Access	Avoid.	Funding	Relation.	implem.	Environ.	Mainten.		AL
Facility Description	Area	Cost	val (5.0)	val (4.5)	val (4.0)	val (3.5)	val (3.0)	val (2.5)	val (2.0)	val (1.5)	val (1.0)	val (0.5)	val	
LAS VEGAS (Central Las Vegas Valley) (T	<u></u>	·	 		,	,		,	, ———		,		
Phase 1 Charleston Underpass	Central	\$9,380,000	5	3	5	5	2	2	2	3	1	4	32	
Solution/Freeway Conveyance			25.0	13.5	20.0	17.5	6,0	5.0	4.0	4.5	1.0	2.0		98.
Buffalo Channel (Vegas Dr -	Gowan	\$3,980,000	3	3	3	3	4	4	5	4	2	3	34	
Charleston)			15.0	13.5	12.0	10.5	12.0	10.0	10.0	6.0	2.0	1.	5	92.
Gowan North Channel (Detention	Gowan	\$4,960,000	4	3	4	3	3	1	5	2	1	4	30	
Basin - Lone Mountain)			20.0	13.5	16.0	10.5	9.0	2.5	10.0	3.0	1.0	2.0	기	87.
Gowan North Channel (Lone Mountain	Gowan	\$7,250,000	4	3	4	3	3	1	5	2	1	4	30	
- CAM-10 Detention Basin)			20.0	13.5	16.0	10.5	9.0	2.5	10.0	3.0	1.0	2.0)	87.
CAM-10 Detention Basin (West	Gowan	\$3,510,000	3	3	4	3	3	1	4	2	1	4	28	
Centennial)			15.0	13.5	16.0	10.5	9.0	2.5	8.0	3.0	1.0	2.0)	80.
West Charleston Drain (Martin L. King -	Central	\$1,900,000	4	2	4	4	2	1	2	4	1	2	26	
Rancho Dr.)			20.0	9.0	16.0	14.0	6.0	2.5	4.0	6.0	1.0	1.0)	79.5
Freeway Channel North - Drain and	Central	\$3,000,000	3	3	3	3	2	1	5	4	1	2	27	
Culvert (Washington W. of I-15)			15.0	13.5	12.0	10.5	6.0	2.5	10.0	6.0	1.0	1.0	,	77.5
I-15 Freeway Channel	Gowan	\$1,492,000	4	3	5	5	2	2	2	3	1	4	31	
(Sahara Avenue to Charleston)			20.0	13.5	20.0	17.5	6.0	5.0	4.0	4.5	1.0	2.0)	93.5
Meadows-Alta Phase V	Central	\$954,800	3	3	4	5	5	1	5	5	1	3	35	
(Falcon Lane to Jones Boulevard)			15.0	13.5	16.0	17.5	15,0	2.5	10.0	7.5	1.0	1.5	;	99.5
Lone Mountain Detention Basin	Central	\$5,000,000	3	4	4	5	5	5	4	4	2	3	39	
			15.0	18.0	16.0	17.5	15.0	12.5	8.0	6.0	2.0	1.5	از	111.5
Colorado Avenue System	Central	\$14,770,000	3	2	4	5	3	2	5	4	1	3	32	
(Las Vegas Wash to I-515)			15.0	9.0	16.0	17.5	9.0	5.0	10.0	6.0	1.0	1.5	;	90.0
Cheyenne Channel Crossings	Gowan	\$1,620,000	4	4	3	5	4	4	5	5	1	4	39	
			20.0	18.0	12.0	17.5	12.0	10.0	10.0	7.5	1.0	2.0	4	110.0
Owens Avenue System	Central	\$3,005,000	4	3	3	3	3	5	4	5	1	3	34	
			20.0	13.5	12.0	10.5	9.0	12.5	8.0	7.5	1.0	1.5	il .	95.5
Dakey Stormdrain	Central	\$3,272,000	4	•	3	3	5	4	3	2	1	1	29	
			20.0	13.5	12.0	10.5	15.0	10.0	6.0	3.0	1.0	0.5		91.5

Exhibit B

Project Prioritization

Proposed Amendments 1995

As Amended by the Board on August 13, 1992; November 12, 1992; December 10, 1992; August 11, 1993; July 14, 1994 file:n:\CCRFCD\10year\fy95 96\prir9596.xls Relation. Mainten. TOTAL Planning Project Pop. Land Public Access Avoid. Fundina Implem. Environ. **Facility Description** Area Cost val (5.0) val (4.5) val (4.0) val (3.5) val (3.0) val (2.5) val (2.0) val (1.5) val (1.0) val (0.5) val NORTH LAS VEGAS (Northern Las Vegas Valley) : Confluence Detention Basin (incl. Range \$7,720,000 5 5 5 5 5 2 ROW) 25.0 22.5 20.0 17.5 8.0 7.5 2.0 2.0 119.0 12.0 2.5 Upper Las Vegas Wash Interception N. LV Wash \$3,310,000 2 Berm/Channel 25.0 22.5 16.0 8.0 1.0 105.5 10.5 12.0 2.5 6.0 2.0 Upper Las Vegas Wash Detention N. LV Wash \$10,120,000 2 2 34 25.0 22.5 16.0 10.5 12.0 2.5 8.0 6.0 2.0 1.0 105.5 North Las Vegas Detention Basin N. LV Wash \$30,000 2 34 (Outlet modifications) 25.0 22.5 105.5 16.0 10.5 12.0 2.5 8.0 6.0 2.0 1.0 West Range Wash Diversion Dike Range \$5,530,000 2 25.0 22.5 16.0 10.5 8.0 1.0 105.5 12.0 6.0 Sloan Channel (Las Vegas Wash -Range \$4,950,000 35 Confluence Det. Basin) 20.0 18.0 12.0 7.5 8.0 1.5 101.0 14.0 12.0 6.0 2.0 Kyle Canyon Detention Basin (incl. N. LV Wash \$11,300,000 32 ROW) 20.0 18.0 16.0 10.5 12.0 2.5 8.0 6.0 2.0 1.0 96.0 West Tributary Channel (Confluence Range \$4,990,000 Det. Basin - Las Vegas Blvd) 20.0 18.0 12.0 10.5 9.0 10.0 8.0 6.0 2.0 1.5 97.0 Lower Las Vegas Wash Detention N. LV Wash \$3,990,000 33 Basin (incl. ROW) 20.0 18.0 12.0 10.5 9.0 5.0 8.0 6.0 3.0 1.5 93.0 Sunrise Moutain Detention Basins Range \$940,000 33 (ROW acq.) 20.0 18.0 12.0 10.5 9.0 5.0 8.0 6.0 3.0 1.5 93.0 A Channel (Lake Mead - Las Vegas N. LV Wash \$5,710,000 2 32 Blvd) 15.0 13.5 16.0 14.0 9.0 5.0 8.0 6.0 3.0 1.0 90.5 West Tributary Channel (Las Vegas Range \$4,270,000 2 3 2 32 Blvd - UPRR) 15.0 13.5 16.0 14.0 5.0 8.0 6.0 3.0 1.0 90.5 A Channel (Las Vegas Blvd - Camino N. LV Wash \$8,360,000 3 31 AL Norte) 15.0 13.5 12.0 10.5 12.0 10.0 6.0 1.5 87.0 New Channel Reaches (Flamingo Rd Low. LV Wash \$7,780,000 2 2 1 1 3 20 15.0 13.5 12.0 7.0 2.5 Pecos Rd) 6.0 2.0 1.5 1.0 1.5 62.0 Western Trib. (Camino Al Norte - Ann N. LV Wash \$4,740,000 2 2 2 2 2 3 24 10.0 9.0 7.0 8.0 6.0 5.0 6.0 4.5 3.0 1.5 60.0 East Tributary Detention Basin (ROW Range \$160,000 2 2 2 2 20 10.0 13.5 8.0 7.0 6.0 1.0 acq.) 1.0 57.5 Western Trib. (Ann Rd - Centennial N. LV Wash \$5,180,000 2 2 22 10.0 9.0 8.0 7.0 6.0 5.0 4.0 1.5 56.5 Low. LV Wash \$4,660,000 2 3 Upgrade Existing Channel Reaches 14 10.0 9.0 4.0 3.5 3.0 2.5 2.0 1.5 1.0 (Flamingo Rd - Pecos Rd) 1.5 38.0

Proposed Amendments 1995

Exhibit B

Page 5 of 5

As Amended by the Board on August 13	3, 1992; Novembe	r 12, 1992; Decem	ber 10, 19	92; Augus	t 11, 1993	; July 14,	1994		file:n:	CCRFCD\1	l Oyear∖fy9	5_96\prir9	596.xls
	Planning	Project	Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Environ.	Mainten.	TOTAL
Facility Description	Area	Cost	val (5.0)	val (4.5)	val (4.0)	val (3.5)	val (3.0)	val (2.5)	val (2.0)	val (1.5)	val (1.0)	val (0.5)	vai
CLARK COUNTY (Southwest Las Vegas	Valley) :		<u> </u>		<u> </u>	<u> </u>							
Lower Duck Creek Detention Basin	Duck/Blue Dia.	\$6,540,000	5	5	T 5	4	4	2	5	3	2	4	39
(incl. ROW)		, ,	25.0		20.0	14.0	12.0					2.0	117.0
Van Buskirk Outfall (Flamingo Wash -	Flam./Trop.	\$3,050,000	4	4	5	3	5	2	5	5	2	3	38
Flamingo Rd)		, ,	20.0	18.0	20.0	10.5	15.0	5.0	10.0	7.5	2.0	1.5	109.5
Van Buskirk Channel Upgrades	Flam./Trop.	\$3,060,000	4	4	5	3	5	2	5	5	1	3	37
Detention Basin C	1 ' 1		20.0	18.0	20.0	10.5	15.0	5.0	10.0	7.5	1.0	1.5	108.5
Van Buskirk - Twain, McLeod, Viking,	Flam./Trop.	\$5,460,000	4	4	5	3	5	2	5	4	1	3	36
and Tompkins Systems	1		20.0	18.0	20.0	10.5	15.0	5.0	10.0	6.0	1.0	1.5	107.0
Tropicana Detention Basin (incl.	Flam./Trop.	\$7,600,000	4	4	5	3	4	3	5	3	2	3	36
ROW)			20.0	18.0	20.0	10.5	12.0	7.5	10.0	4.5	2.0	1.5	106.0
Van Buskirk Detention Basin (ROW	Flam./Trop.	\$3,190,000	4	4	5	3	5	1	5	5	1	3	36
acq.)			20.0	18.0	20.0	10.5	15.0	2.5	10.0	7.5	1.0	1.5	106.0
Rawhide Channel (remaining system)	Duck/Blue Dia.	\$2,790,000	4	4	5	3	4	2	5	5	1	3	36
			20.0	18.0	20.0	10.5	12.0	5.0	10.0	7.5	1.0	1.5	105.5
Flamingo Wash (Tropicana Wash to	Flam./Trop.	\$4,990,000	4	5	4	3	4	1	5	3	2	3	34
Decatur Blvd)			20.0	22.5	16.0	10.5	12.0	2.5	10.0	4.5	2.0	1.5	101.5
Flamingo Wash (McLeod to	Flam./Trop.	\$2,490,000	4	4	4	3	4	2	3	3	2	2	31
Tropicana Wash)			20.0	18.0	16.0	10.5	12.0	5.0	6.0	4.5	2.0	1.0	95.0
Upper Blue Diamond Det. Basin (incl.	Flam./Trop.	\$14,610,000	3	4	3	2	2	2	5	5	2	3	31
ROW)			15.0	18.0	12.0	7.0	6.0	5.0		7.5	2.0	1.5	84.0
Buffalo/Desert Inn SD, Rainbow SD	Flam./Trop.	\$5,630,000	3	3	4	3	3	2	3	3	2	2	28
Desert Inn Detention Basin			15.0			10.5		5.0			2.0		<u> </u>
Buffalo Conveyance, Desert Inn Drain,	Flam./Trop.	\$5,700,000	3	3	3	2	2	2	5	5	1	3	29
(excludes Lakes Detention Basin)			15.0			7.0		5.0					
Duck Creek (Mountain Vista to UPRR)	Duck/Blue Dia.	\$6,180,000	3	3	2	3	3	1	3	3	2	2	25
	2 1 121 21	45.500.000	15.0	13.5	8.0	10.5	9.0	2.5					4
Duck Creek (UPRR to Lower Duck	Duck/Blue Dia.	\$5,500,000	3	3	2	3	3	1	3	3	2	2	25
Creek Det. Basin)	 	4050.000	15.0	13.5			9.0	2.5	6.0	1			
Desert Inn Detention (ROW acq.)	Flam./Trop.	\$650,000	3	3	3	2	2	2	3	3	2	2	25
Control Date Control Date State Basis	Dueli/Due Die	4170.000	15.0 3	13.5 3	12.0 3			5.0	6.0		2.0		
Central Duck Creek Detention Basin	Duck/Blue Dia.	\$170,000	15.0	-		2	2	1	4	4		0	23
(ROW acq.)	Duck/Blue Dia.	\$540,000	3	13.5 3	12.0 3	7.0		2.5	8.0 4		1.0	0.0	
Upper Duck Creek Detention Basin (ROW acg.)	Duck/blue Dia.	\$540,000	15.0	13.5	_	7.0	2 6.0	2.5	8.0	4 6.0	1 '	1 -	23
South Duck Creek Detention Basin	Duck/Blue Dia.	\$160,000	3	3	3	2	2	1	4	4	1.0	0.0	
(ROW acq.)	Duck/blue Dia.	\$100,000	15.0	13.5	_	7.0	. –	2.5	8.0	·	l '	I -	23
Lower Blue Diamond Detention Basin	Duck/Blue Dia.	\$150,000	3	3	3	2	2	1	4	4	1 1.0	0.0	71.0
(ROW acq.)	Duck/Blue Dia.	¥130,000	15.0	13.5	_	7.0	6.0	2.5	8.0		1.0		
Lakes Detention Basin (incl. ROW)	Flam./Trop.	\$1,010,000	3	3	3	2	2	1	3	3	2	2	24
Lakes Detention Basin (incl. 11011)	Tiam., Trop.	¥1,010,000	15.0	13.5	-	7.0	_	2.5	6.0	1 - :	2.0	1 -	1
Duck Creek (Boulder Hwy to US 595)	Duck/Blue Dia.	\$4,610,000	2	2	2	2	3	1	2	2	2	3	21
Duck Stock (Boulder Hwy to 00 300)	Duon, Dido Did.	+ .,5 .5,550	10.0	9.0	8.0	7.0	9.0	2.5	4.0	3.0	2.0		
Duck Creek (Lower Duck Cr Det.	Duck/Blue Dia.	\$6,360,000	2	2	2	2 7.0	2	1	2	2	2	1 1.5	18
Basin to I-15)		, ,	10.0	9.0	8.0	7.0	6.0	2.5	4.0	3.0		0.5	
								1				3.0	52.0
Total		\$385,549,500											
10101													

Total Notes:

Pop. - Population Affected

Land - Assessed Land Value Impacted Public - Public Perception of Need Access - Emergency Access & Public Inconvenience Avoid. - Cost Avoidance

Funding - Availability of Other Funding Sources

Relation. - Interrelationship to Other Projects Implem. - Timing & Implementation Environ. - Environmental Enhancement Maiten. - Annual Maintenance Cost val (no.) - Value from 1 to 5 and factor applied to value

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12 equal ins actual set a	•	-		Projected	···		Act	al Payments		Projected	•
Transfer	Transfer	ĺ	Projected R	eq'd Addn	'i Cash To	otai	CCPW ILC	Escrow	Total	FY Total	FY
Date 2/1/94	Amount 539,500	Reserve 539,500	CCPW ILC N	on Cash		ا			0		
3/1/94	539,500	1,079,000				o			Ŏ		
4/1/94 5/1/94	603,214 603,214	1,682,214 2,285,428				0			0		
6/1/94	603,214	2,788,642	7			o	100,000		100,000	2,888,642	93-94`
7/1/94 8/1/94	603,214 603,214	3,391,856 3,995,070				0			0	1	
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10/1/94 11/1/94	603,214 466,959	5,201,498 5,668,457	1,000,000	1,325,000		2,325,000			0		
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1/2/1/95	466,959 466,959	4,602,375 3,744,334	! (Ö	2,000,000	1,325,000	2,000,000 1,325,000		
√3/1/95 4/1/95	613,583 613,583	4,357,917 4,971,500	1			o			0		
5/1/95	613,583	5,585,083				Ŏ			0		
6/1/95 <i>7/</i> 1/95	613,583 613,583	6,198,666 6,812,249	4			0			0	6,735,024	94-95
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11/1/95	318,500	8,971,500	0,2.10,000	ا / درد	65,50		رط	2,00,00	0	17000,0	
12/1/95	318,500 318,500	9,290,000 9,608,500		C, 6	30	$\frac{\circ}{\circ}$			<u>, o</u>		
2/1/98	318,500	9,927,000	15 00 W	35th 60	Te.	∞ 0			0	i	
3/1/98	318,500 318,500	10,245,500 10,584,000	1 Set	APIN VE	9619	0			0		
5/1/96	318,500	10,882,500		35/31	1,000	~ o			0	C	
6/1/96 7/1/96	318,500 318,500	11,201,000			<u>', </u>	<u> </u>			- 0	5,002,334	95-96
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10/1/96	318,500 318,500	12,158,500 12,475,000	2,700,000	1,122,000		0 3,822,000			0		
11/1/96 12/1/96	632,750 632,750	13,107,750		_,		0			Ö		
1/1/97	632,750	13,740,500 14,373,250		, a B		0			0		
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8/1/97 9/1/97		18,802,500 19,435,250				0			0]	
10/1/97	632,750	20,068,000	2,459,000	2,191,000	2,943,000	7,593,000			0	į	
11/1/97 12/1/97		20,648,333 21,224,667				0			0	1	
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12/1/98	768,417	28,544,833				0			0		
1/1/99 2/1/99		29,313,250 30,081,867				o			Ö]	
3/1/99 4/1/99	768,417	30,850,083				0			0		
5/1/99	768,417	31,618,500 32,386,917				0			0		
6/1 /99 7/1 / 99		33,155,333 33,923,750				0			0	8,460,667	98-99
8/1/99 9/1/99	768,417	34,692,167 35,460,563				0			Ç	ł	
<i>-</i> 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, 50,4 1/	, 100 ,003	ı			o	1		C	4	

10/1/99 11/1/99 12/1/99	768,417 409,417 409,417	38,838,417 37,047,833		2,582,000	6,530,000	9,221,000 0			0		
1/1/00 2/1/00	409,417					ď			0		
3/1/00	409,417	,				ฝ			0		
4/1/00	409,417 409,417	38,276,083				ŏ			0		
5/1/00	409,417	38,685,500				ŏ			o		
6/1/00	409,417	39,094,917 39,504,333	Î			ól			9		
7/1/00	409,417	39,913,750				o			o		
8/1/00	409,417	40,323,167				ől			o	6,349,000	99-00
9/1/00	409,417	40,732,583				ō			9		
10/1/00	409,417	41,142,000	o	1,392,000	3,521,000	4,913,000			Ö		
						0			0	1,637,667	00-01
T-4-1-						9			o		
Totals			15,000,000	10,874,000	17,593,000	43,487,000	0.400.000		0		
		•			,,	40,407,000	2,100,000	1,325,000	3,425,000	44,567,000	

3-

C. No.

neso(or)

TABLE 2: DATA FÓR GRAPH OF FED VS. NON-FED FUNDING BY FISCAL YER

		(A)	(B)	(C)	(D)	COMPUTE		ACTUAL	
	TOTAL	NON-FED	SCHEDULE		REQ'D 5%	ADD'NL	NON-FED	ADDN'L	REQ'D
	PROJECT	LERRDS	CONSTRUC	FY %	NON-FED	NON-FED	CREDIT	NON-FED	FEDERAL
FY	COST		COST		CASH	CASH	BALANCE	CASH	CASH
THRU-94	\$19,665	\$0	\$0	N\A	N/A	NA	\$9,906	N/A	\$9,759
95	\$5,892	\$1,000	\$4,892	12.19%	\$1,325	\$3,351	\$6,555	\$0	\$3,567
96	\$17,410	\$9,210	\$8,200	4.07%	\$443	\$1,119	\$5,435	\$0	\$7,757
97	\$23,494	\$2,700	\$20,794	10.32%	\$1,122	\$2,838	\$2,598	\$0	\$19,672
98	\$43,059	\$2,459	\$40,600	20.15%	\$2,191	\$5,541	\$0	\$2,943	\$35,465
99	\$34,222	\$522	\$33,700	16.72%	\$1,819	\$4,599	\$0	\$4,599	\$27,282
00	\$47,959	\$109	\$47,850	23.75%	\$2,582	\$6,530	\$0	\$6,530	\$38,737
01	\$25,799	\$0	\$25,799	12.80%	\$1,392	\$3,521	\$0	\$3,521	\$20,886
TOTAL	\$217,500	\$16,000	\$201,500	100%	\$10,875	\$27,500	\$0	\$17,594	\$163,125
<u> </u>		<u> </u>				-			

NOTES:

- 1. TOTAL PROJECT COST INCLUDES SECTION 104 CREDIT OF \$9,906
- 2. TOTAL NON-FEDERAL SHARE (25%) = \$54,375 THIS INCLUDES LERRDS (\$16,000) + 5% (\$10,875) + SECT 104 CREDIT (\$9,906) + ADD'TNL CASH (\$17,594)
- 3. TOTAL FEDERAL SHARE (75%) = \$181,600.

30/95 8 XX 2 20/08 2005

(9) -include 2, 8 willow downy downed for EY 99/5 of est person

Ex 55/56

Year I- (9)

Exhibit B

As Amended by the Board on August 13, 1992; November 12, 1992; December 10, 1992; August 11, 1993; July 14, 1994 file:n:\10vear\fv95 96\prir9495.xls Mainten. TOTAL Planning **Project** Pop. Land Public Access Avoid. Funding Relation, Implem. Environ. **Facility Description** Area Cost val (5.0) val (4.5) val (4.0) val (3.5) val (3.0) val (2.5) val (2.0) val (1.5) val (1.0) val (0.5) NORTH LAS VEGAS (Northern Las Vegas Valley) : Confluence Detention Basin (incl. 5 5 \$7,720,000 5 40 Range 5 4 5 2 4 ROW) 25.0 22.5 20.0 17.5 12.0 2.5 8.0 7.5 2.0 2.0 119.0 Upper Las Vegas Wash Interception N. LV Wash \$3,310,000 2 2 Berm/Channel 25.0 22.5 16.0 10.5 12.0 2.5 8.0 6.0 1.0 105.5 Upper Las Vegas Wash Detention N. LV Wash \$10,120,000 5 5 4 3 4 4 2 2 34 25.0 105.5 22.5 16.0 10.5 12.0 2.5 8.0 6.0 2.0 1.0 North Las Vegas Detention Basin N. LV Wash \$30,000 2 2 34 (Outlet modifications) 25.0 22.5 16.0 10.5 12.0 2.5 8.0 6.0 2.0 1.0 105.5 West Range Wash Diversion Dike Range \$5,530,000 2 2 34 25.0 22.5 16.0 10.5 12.0 2.5 8.0 6.0 2.0 1.0 105.5 Sloan Channel (Las Vegas Wash -Range \$4,950,000 2 3 35 Confluence Det. Basin) 20.0 18.0 12.0 14.0 12.0 7.5 8.0 6.0 2.0 1.5 101.0 Kyle Canyon Detention Basin (incl. N. LV Wash \$11,300,000 2 2 32 ROW) 20.0 18.0 16.0 10.5 12.0 2.5 8.0 6.0 2.0 1.0 96.0 West Tributary Channel (Confluence Range \$4,990,000 3 4 4 2 3 Det. Basin - Las Vegas Blvd) 20.0 18.0 12.0 10.5 9.0 10.0 8.0 6.0 2.0 1.5 97.0 Lower Las Vegas Wash Detention N. LV Wash \$3,990,000 3 2 3 3 33 Basin (incl. ROW) 20.0 18.0 12.0 10.5 9.0 5.0 8.0 6.0 3.0 1.5 93.0 Sunrise Moutain Detention Basins \$940,000 Range 2 3 3 33 (ROW acq.) 20.0 18.0 12.0 10.5 9.0 5.0 3.0 1.5 93.0 8.0 6.0 A Channel (Lake Mead - Las Vegas N. LV Wash \$5,710,000 2 3 2 32 15.0 13.5 16.0 14.0 9.0 5.0 8.0 6.0 3.0 1.0 90.5 West Tributary Channel (Las Vegas Range \$4,270,000 2 2 32 Blvd - UPRR) 15.0 13.5 16.0 14.0 9.0 5.0 8.0 6.0 3.0 1.0 90.5 A Channel (Las Vegas Blvd - Camino N. LV Wash \$8,360,000 31 AL Norte) 15.0 13.5 12.0 10.5 12.0 10.0 6.0 2.0 1.5 87.0 New Channel Reaches (Flamingo Rd Low. LV Wash \$7,780,000 20 Pecos Rd) 15.0 13.5 12.0 7.0 6.0 2.5 2.0 1.5 1.0 1.5 62.0 Western Trib. (Camino Al Norte - Ann N. LV Wash \$4,740,000 2 2 3 3 24 10.0 9.0 8.0 7.0 6.0 5.0 6.0 4.5 3.0 1.5 60.0 East Tributary Detention Basin (ROW Range \$160,000 2 3 2 2 2 2 20 acq.) 10.0 13.5 8.0 7.0 6.0 2.5 4.5 1.0 4.0 1.0 57.5 Western Trib. (Ann Rd - Centennial N. LV Wash \$5,180,000 2 22 Rd) 10.0 9.0 8.0 7.0 6.0 5.0 4.0 3.0 3.0 1.5 56.5 Upgrade Existing Channel Reaches Low. LV Wash \$4,660,000 1 14 (Flamingo Rd - Pecos Rd) 10.0 9.0 4.0 3.5 3.0 2.5 2.0 1.5 1.0 1.5 38.0

Exhibit B

As Amended by the Board on August 13, 1992; November 12, 1992; December 10, 1992; August 11, 1993; July 14, 1994 file:n:\10year\fy95 96\prir9495.xls Planning **Project** Pop. Public Access Relation. Environ. Mainten, TOTAL Land Avoid. Fundina implem. **Facility Description** Area Cost val (5.0) val (4.5) val (4.0) val (3.5) val (3.0) val (2.5) val (2.0) val (1.5) val (1.0) val (0.5) Ival CLARK COUNTY (Southwest Las Vegas Valley): Lower Duck Creek Detention Basin Duck/Blue Dia. \$6,540,000 5 5 5 39 (incl. ROW) 25.0 22.5 20.0 12.0 117.0 14.0 5.0 10.0 4.5 2.0 Van Buskirk Outfall (Flamingo Wash -Flam./Trop. \$3,050,000 5 3 38 Flamingo Rd) 20.0 18.0 20.0 109.5 10.5 15.0 5.0 10.0 7.5 1.5 Van Buskirk Channel Upgrades Flam./Trop. \$3,060,000 5 37 5 3 Detention Basin C 20.0 18.0 20.0 108.5 10.5 15.0 5.0 10.0 7.5 1.0 1.5 Van Buskirk - Twain, McLeod, Viking, Flam./Trop. \$5,460,000 5 36 5 and Tompkins Systems 20.0 18.0 20.0 10.0 107.0 10.5 15.0 5.0 1.5 6.0 1.0 Tropicana Detention Basin (incl. Flam./Trop. \$7,600,000 36 20.0 18.0 20.0 10.5 12.0 7.5 10.0 4.5 2.0 1.5 106.0 Van Buskirk Detention Basin (ROW Flam./Trop. \$3,190,000 36 5 acq.) 18.0 20.0 20.0 10.5 15.0 10.0 106.0 2.5 7.5 1.0 1.5 Rawhide Channel (remaining system) Duck/Blue Dia. \$2,790,000 36 20.0 10.5 18.0 20.0 12.0 5.0 10.0 7.5 1.0 1.5 105.5 Flamingo Wash (Tropicana Wash to Flam./Trop. \$4,990,000 34 3 2 Decatur Blvd) 20.0 22.5 16.0 10.5 12.0 10.0 101.5 Flamingo Wash (McLeod to Flam./Trop. \$2,490,000 3 31 2 Tropicana Wash) 20.0 18.0 16.0 10.5 12.0 5.0 6.0 95.0 4.5 2.0 1.0 Upper Blue Diamond Det, Basin (incl. Flam./Trop. \$14,610,000 2 3 31 ROW) 15.0 18.0 12.0 7.0 6.0 5.0 10.0 7.5 1.5 84.0 Buffalo/Desert Inn SD, Rainbow SD Flam./Trop. \$5,630,000 28 **Desert Inn Detention Basin** 15.0 13.5 16.0 10.5 9.0 5.0 6.0 2.0 1.0 82.5 Buffalo Conveyance, Desert Inn Drain, Flam./Trop. \$5,700,000 29 (excludes Lakes Detention Basin) 15.0 13.5 12.0 7.0 6.0 5.0 10.0 7.5 1.0 1.5 78.5 Duck Creek (Mountain Vista to UPRR) Duck/Blue Dia \$6,180,000 2 3 3 2 25 15.0 13.5 8.0 10.5 9.0 2.5 6.0 2.0 1.0 72.0 Duck Creek (UPRR to Lower Duck Duck/Blue Dia. \$5,500,000 2 25 Creek Det. Basin) 15.0 13.5 8.0 10.5 9.0 2.5 6.0 4.5 72.0 2.0 1.0 Desert Inn Detention (ROW acq.) Flam./Trop. \$650,000 2 25 15.0 13.5 12.0 7.0 6.0 5.0 6.0 2.0 72.0 4.5 1.0 Central Duck Creek Detention Basin Duck/Blue Dia. \$170,000 (ROW acq.) 15.0 13.5 12.0 7.0 6.0 2.5 8.0 6.0 1.0 0.0 71.0 Upper Duck Creek Detention Basin Duck/Blue Dia. \$540,000 3 0 23 (ROW acq.) 15.0 13.5 2.5 7.0 8.0 6.0 1.0 71.0 0.0 South Duck Creek Detention Basin Duck/Blue Dia. \$160,000 ō 23 (ROW acq.) 15.0 13.5 12.0 7.0 6.0 2.5 8.0 6.0 71.0 1.0 0.0 Lower Blue Diamond Detention Basin Duck/Blue Dia. \$150,000 2 0 23 (ROW acg.) 15.0 13.5 12,0 7.0 6.0 2.5 8.0 1.0 71.0 Lakes Detention Basin (incl. ROW) \$1.010.000 Flam./Trop. 2 24 15.0 13.5 12.0 7.0 6.0 2.5 6.0 2.0 69.5 Duck Creek (Boulder Hwy to US 595) Duck/Blue Dia. \$4,610,000 21 10.0 9.0 8.0 7.0 9.0 2.5 4.0 3.0 1.5 56.0 Duck Creek (Lower Duck Cr Det. Duck/Blue Dia. \$6,360,000 2 18 Basin to I-15) 10.0 9.0 8.0 7.0 6.0 2.5 4.0 3.0 52.0 0.5 \$370,750,100 Total

Notes:

Pop. - Population Affected

Land - Assessed Land Value Impacted Public - Public Perception of Need

Access - Emergency Access & Public Inconvenience Avoid. - Cost Avoidance

Funding - Availability of Other Funding Sources

PAGE 5 OF 5 elation. - Interrelationship to Other Projects Implem. - Timing & Implementation

Environ. - Environmental Enhancement

7/11/95 Maiten. - Annual Maintenance Cost 9:32 AM PRIR9495.XLS

val (no.) - Value from 1 to 5 and factor applied to value

Exhibit B

As Amended by the Board on August 13, 1992; November 12, 1992; December 10, 1992; August 11, 1993; July 14, 1994 file:n:\10vear\fv95 96\prir9495.xls Planning Project Pop. Land Public Access Avoid. Funding Relation. Implem. Environ. Mainten. TOTAL **Facility Description** Area Cost val (5.0) val (4.5) val (4.0) val (3.5) val (3.0) val (2.5) val (2.0) val (1.5) val (1.0) val (0.5) val LAS VEGAS (Central Las Vegas Valley): Carey Ave/Lake Mead Detention Central \$4,200,000 4 3 3 5 3 5 1 3 35 Basin 20.0 13.5 16.0 101.0 10.5 15.0 10.0 6.0 7.5 1.0 1.5 Oakey Detention Basin and Central \$6,600,000 3 2 5 3 35 Collection System 2.0 101.0 20.0 18.0 12.0 17.5 6.0 12.5 6.0 6.0 1.0 Oakey Detention Basin Outfall Central \$3,890,000 3 5 2 5 3 35 4 20.0 18.0 12.0 17.5 6.0 12.5 6.0 1.0 2.0 101.0 6.0 Gowan Outfall Structure (Decatur -Gowan \$4,530,000 2 3 34 5 Tenava Way) 20.0 18.0 20.0 14.0 2.5 1.5 100.5 6.0 10.0 7.5 1.0 Gowan Detention Basins Gowan \$11,560,000 34 20.0 18.0 100.5 20.0 14.0 6.0 2.5 10.0 7.5 1.0 1.5 \$100,000 Angel Park Detention Basin Gowan 4 35 5 Expansion 20.0 18.0 100.5 8.0 14.0 12.0 12.5 10.0 3.0 1.0 2.0 Chevenne Channel Gowan \$1,000,000 3 36 3 15.0 13.5 16.0 14.0 12.0 12.5 100.5 10.0 4.5 1.0 2.0 Peccole Ranch Outfalls (Rampart Gowan \$1,490,000 3 37 Storm Drain) 15.0 13.5 12.5 99.5 12.0 14.0 12.0 10.0 7.5 1.0 2.0 Washington Avenue Channel - Reach \$7,740,000 Central 5 3 36 1 (Las Vegas Wash - Honolulu) 20.0 13.5 16.0 17.5 2.5 99.0 9.0 8.0 7.5 3.0 2.0 Washington Avenue Channel - Reach Central \$5,750,000 3 3 3 4 36 2 (Honolulu - Moiave Rd) 20.0 13.5 16.0 17.5 9.0 2.5 8.0 7.5 3.0 2.0 99.0 Washington Avenue Channel - Reach Central \$3,420,000 3 4 5 3 36 3 (Mojave Rd - 24th St) 20.0 13.5 16.0 17.5 9.0 2.5 8.0 7.5 3.0 2.0 99.0 Washington Avenue Channel - Reach Central \$4,080,000 3 3 5 3 36 4 (24th St - F St) 20.0 13.5 16.0 17.5 9.0 2.5 8.0 7.5 3.0 2.0 99.0 Washington Ave Channel Parallel Central \$7,680,000 3 5 5 3 36 Drain to FSt. 20.0 13.5 16.0 17.5 9.0 2.5 8.0 7.5 3.0 2.0 99.0

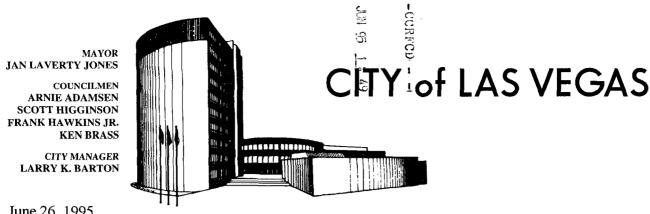
Exhibit B

As Amended by the Board on August 13, 1992; November 12, 1992; December 10, 1992; August 11, 1993; July 14, 1994 file:n:\10year\fy95 96\prir9495.xls Planning Project Pop Public Avoid. Funding Relation. Implem. Environ. Mainten. TOTAL Land Access **Facility Description** Area Cost val (5.0) val (4.5) val (4.0) val (3.5) val (3.0) val (2.5) val (2.0) val (1.5) val (1.0) val (0.5) val LAS VEGAS (Central Las Vegas Valley) (continued): Phase 1 Charleston Underpass 32 Central \$9,380,000 5 3 5 5 2 2 2 3 4 Solution/Freeway Conveyance 25.0 13.5 20.0 17.5 6.0 5.0 4.0 4.5 1.0 2.0 98.5 Buffalo Channel (Vegas Dr -Gowan \$3,980,000 34 Charleston) 15.0 13.5 12.0 10.5 12.0 10.0 10.0 1.5 92.5 6.0 Gowan North Channel (Detention Gowan \$4,960,000 3 3 3 5 2 30 Basin - Lone Mountain) 20.0 13.5 16.0 10.5 9.0 2.5 10.0 3.0 2.0 87.5 1.0 Gowan North Channel (Lone Mountain Gowan \$7,250,000 5 2 30 CAM-10 Detention Basin) 20.0 13.5 16.0 10.5 9.0 2.5 10.0 2.0 87.5 3.0 1.0 CAM-10 Detention Basin (West Gowan \$3.510,000 3 2 28 Centennial) 15.0 13.5 16.0 10.5 9.0 8.0 2.0 80.5 2.5 3.0 1.0 West Charleston Drain (Martin L. King -Central \$1,900,000 2 26 Rancho Dr.) 20.0 9.0 16.0 14.0 4.0 1.0 79.5 6.0 2.5 6.0 1.0 Freeway Channel North - Drain and Central \$3,000,000 3 3 3 2 5 27 Culvert (Washington W. of I-15) 15.0 13.5 12.0 10.5 6.0 2.5 10.0 1.0 77.5 6.0 1.0 I-15 Freeway Channel Gowan \$1,492,000 3 5 5 2 2 3 31 (Sahara Avenue to Charleston) 20.0 13.5 20.0 17.5 6.0 5.0 4.0 2.0 93.5 4.5 1.0 Meadows-Alta Phase V \$954,800 Central 5 5 3 35 (Falcon Lane to Jones Boulevard) 15.0 13.5 16.0 17.5 15.0 2.5 10.0 7.5 1.0 1.5 99.5 Lone Mountain Detention Basin Central \$5,000,000 5 5 2 3 39 15.0 18.0 16.0 17.5 15.0 12.5 8.0 6.0 2.0 1.5 111.5 Colorado Avenue System Central \$14,770,000 32 (Las Vegas Wash to I-515) 15.0 9.0 16.0 17.5 5.0 10.0 1.0 1.5 90.0 Chevenne Channel Crossings Gowan \$1,620,000 39 20.0 18.0 12.0 17.5 12.0 10.0 10.0 7.5 1.0 2.0 110.0 \$3,005,000 Owens Avenue System Central 3 3 5 1 34 20.0 13.5 12.0 10.5 9.0 12.5 8.0 7.5 1.0 1.5 95.5

Exhibit B

As Amended by the Board on August 13, 1992; November 12, 1992; December 10, 1992; August 11, 1993; July 14, 1994 file:n:\10vear\fv95 96\prir9495.xls Planning Public Relation. Environ. Mainten. TOTAL Project Pop. Land Access Avoid. Funding implem. **Facility Description** Area Cost val (5.0) val (4.5) val (4.0) val (3.5) val (3.0) val (2.5) val (2.0) val (1.5) val (1.0) val (0.5) val HENDERSON: **UPRR** Channel Pittman \$3,086,000 5 5 5 3 5 2 4 5 4 42 4 25.0 22.5 20.0 10.5 15.0 5.0 8.0 7.5 2.0 119.5 4.0 Lower C-1 Channel (Lake Mead Dr. -\$4,140,000 C-1 Ch. 2 37 Drake St.) 25.0 18.0 8.0 17.5 15.0 5.0 8.0 6.0 2.0 2.0 106.5 Sunset Detention Basin, Collection Pittman \$6,420,000 3 32 3 System and Outfall (incl. ROW) 10.0 18.0 16.0 14.0 12.0 7.5 8.0 1.5 92.5 4.5 1.0 Mission Hills Detention Basin and C-1 Ch. \$6,120,000 36 Collection System (incl. ROW) 20.0 18.0 12.0 12.0 8.0 103.5 14.0 10.0 6.0 2.0 1.5 Southwest C-1 Detention Basin (ROW C-1 Ch. \$15,000 31 15.0 18.0 16.0 93.0 10.5 12.0 7.5 7.0 4.5 2.0 0.5 Northeast C-1 Detention Basin (ROW C-1 Ch. \$4,260,000 3 3 36 20.0 18.0 12.0 103.5 14.0 12.0 10.0 8.0 6.0 2.0 1.5 Equestrian Dr Detention Basin & C-1 Ch. \$4,780,000 36 Collection System (incl. ROW) 20.0 18.0 16.0 10.5 12.0 10.0 6.0 103.0 6.0 3.0 1.5 C-1 Channel - Middle Reach (Drake C-1 Ch. \$5,230,000 2 2 31 lst. - RR) 15.0 13.5 16.0 7.0 6.0 8.0 2.5 6.0 4.0 2.0 80.0 Pittman Park Detention Basin Pittman \$565,000 35 10.0 13.5 12.0 9.0 10.0 10.0 90.5 14.0 7.5 3.0 1.5 Duck Creek Channel, Sunset to \$560,300 **Duck Creek** 3 3 31 Newport Village 10.5 15.0 13.5 16.0 6.0 2.5 6.0 4.5 4.0 2.5 80.5 Pittman Wash (Duck Creek -Pittman \$4,390,000 3 2 5 2 2 33 Stephanie St) 5.0 22.5 12.0 17.5 6.0 10.0 10,0 6.0 2.0 1.0 92.0 Whitney Ranch Channel Pittman \$1,092,000 3 2 29 15.0 18.0 16.0 3.5 9.0 7.5 6.0 4.5 3.0 1.0 83.5 Gibson Conveyance System Pittman \$2,980,000 2 25 5.0 9.0 14.0 9.0 5.0 8.0 1.5 64.5 Cosmo World Detention Basin (incl. Pittman \$9,660,000 3 1 3 2 2 2 23 ROW) 5.0 5.0 13.5 4.0 14.0 9.0 8.0 3.0 2.0 0.5 64.0 C-1 Ch. East Detention Basin (incl. ROW) \$1,630,000 2 4 3 3 28 10.0 13.5 12.0 14.0 9.0 2.5 3.0 6.0 3.0 1.5 74.5 Pittman \$3,520,000 Railroad East Conveyance 2 2 3 3 2 22 13.5 4.0 7.0 6.0 7.5 8.0 4.5 2.0 58.0 0.5 Equestrian Dr Detention Basin Outfall C-1 Ch. \$5,070,000 2 2 20 5.0 13.5 4.0 7.0 6.0 5.0 8.0 3.0 2.0 54.0 0.5 Mac Donald Ranch Detention Basin Pittman \$70,000 3 2 2 0 43 5.0 5.0 13.5 3.5 3.0 8.0 (ROW acq.) 0.0 3.0 1.0 0.5 42.5 Pittman Pecos Detention Basin (ROW Pittman \$120,000 2 2 40 5.0 acq.) 9.0 4.0 3.5 3.0 2.5 8.0 3.0 1.0 0.5 39.5

55/06 10-42 PUN ENTITO



June 26, 1995

Kevin Eubanks, PE Clark County Regional Flood Control District 301 E. Clark Avenue, Suite 301 Las Vegas, Nevada 89101

Dear Kevin:

SUBJECT: 1995/96 CLV 10-Year Priority List

At Clark County's request we have reviewed the 10-Year Priority List to accelerate the Colorado Avenue System. We have added \$2,500,000 (or 25% of the increased funding amount) for predesign and construction of the Colorado Avenue Project that allows for the project to be accelerated one year. We have removed funding for Gowan North Channel Projects that corresponds to this amount. We do not believe it is reasonable for the City to accelerate this project beyond a time frame of the regional facilities along I-15.

Please note we have added MPU ID #'s for our projects on the attached computer disk for ease of referencing and would appreciate if they were included on the final form. We have also separated the Freeway Channel Bypass Facility from the Freeway Channel South consistent with the MPU descriptions and would prefer they both be presented separately on the priority list.

If you have any questions please call.

Sincerely, lo Ltw

Randy Fultz, PE

Flood Control Project Manager

Department of Public Works

CC: Charles Kajkowski, PE-CLV

Denis Cederburg, PE - Clark County Public Works

File: ...\randy\ccrfcd\10YR\KU-2-2



Exhibit 1

DRAFT
10-YEAR CONSTRUCTION PROGRAM

					FY 95/9	6	FY 96/9	7	FY 97/9	8	FY 98/99	9
					(Year 1)		(Year2)		(Year 3)		(Year 4)	
	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW	
LAS VEGAS (Central Las Vegas Valley) :		File g:\home\rand	y\r3data\rfcd\pric	rity\10-9	9596b.xls	3				*********************	***************************************	
Angel Park Detention Basin	Gowan	\$1,785,000										
Expansion (APNO 0000)			100.5			1.785	Prioritized	funding b	y Brd.Acti	on 2/9/95.	Funds acru	e by 2/96
Washington Ave. Channel-Reach 4	Central	\$6,111,500									1	
(Eastern to Sagman - LVWH 0298)			98.5			3.8055	Prioritized	for fundir	ig by Brd. a	action 3/30	/95. Funds	acrue by
Upper 'Washington Ave. Channel &	Central	\$5,931,000			0.320		0.190			2.038		
Spaghetti Bowl - (WAPR 0000												0.676
LVWH 0448, 0447, 0448, 0374)			98.5									
Freeway Conveyance South	Central	\$9,594,000										
LV Cr. to Charleston (FW15 0000,0038)			98.5									
Oakey Drain - I15 to Valley View	Central	\$3,272,000		Construc	ted with se	wer and R'	rc.					
(FWOK 0000, 0044)			91. 5		0.110		0.290	2.190		0.682	(2)	
Freeway Channel Bypass Facility	Central	\$3,060,000										
(Oakey to Wall Street - FWUP 0000,0059))		93.5	'								
Freeway Channel South	Central	\$5,874,000		Sahara to	Ivanhoe C	onstructed	with NDC	T				
Charleston to Oakey - FW15 0089)	i		93.5									
Owens Avenue System	Central	\$3,126,000		Funded, w	ath RTC							
(Rancho to I-15 - LVOW 0000)		:	95.5				0.200			2.926		
Gowan North Channel - North	Gowan	\$6,070,000		Predesign	funded							
Basin to Lone Mnt RdGONO 0046)			87.5		0.300			0.728			0.400	
Gowan North Channel - Lone	Gowan	\$0		Predesign	funded -							
Mtn. Rd. to CAM-10 Det. Basin			87.5									
Lone Mountain System	Gowan	\$1,187,000	87.5	-					0.200			0.007
Outfall to Durango (GOLM 0000)		# 77 0 000		T 11	4 DWG				0.200			0.987
Freeway Channel - North	Central	\$770,000	77.5	Funded w	0.070			0.700				
Washington Ave. (I15 to Martin Luther) Colorado Avenue System	Central	\$5,400,000	11.3		0.070			0.700				
(Las Vegas Wash to I-515)	Central	φυ,που,υου	90.0									
<u>'</u>	Totals per Fiscal V	ear (x \$1,000,000)	30.0		<u></u>	6.391		4.298	<u></u>	5.846		2.063
	Budget Amount		\$51.856			5.590		4.675		3.407		2.745
Las Vegas 10-Year F		\$52,180,500							 .	3.107		2.770
1) Assumes 50/50 cost split with NDOT.												
2) Assume 50/50 cost split with RTC.												

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10-YEAR CONSTRUCTION PROGRAM

				FY 99/0	0	FY 00/0	1	FY 01/02	2	FY 02/0	3	FY 03/04	4	FY04/0!	5
				(Year5)		(Year 6)		(Year7)		(Year 8)		(Year 9)	•	(Year 10	
	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	<u> </u>	/ROW	
LAS VEGAS (Central Las Vegas Valley):		File g:\home\rand	y\r3data\rfcd\prid			***************************************	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		*************	•					
Angel Park Detention Basin	Gowan	\$1,785,000												l	
Expansion (APNO 0000)			100.5												
Washington Ave. Channel-Reach 4	Central	\$6,111,500												l	
(Eastern to Sagman - LVWH 0298)			98.5	/96	2.306										
Upper 'Washington Ave. Channel &	Central	\$5,931,000													
Spaghetti Bowl - (WAPR 0000		ļ]				2.707								
LVWH 0448, 0447, 0448, 0374)			98.5												
Freeway Conveyance South	Central	\$9,594,000													
LV Cr. to Charleston (FW15 0000,0038)			98.5			0.500	2.000		2.000		5.094			L	
Oakey Drain - I15 to Valley View	Central	\$3,272,000													
(FWOK 0000, 0044)			91. 5												
Freeway Channel Bypass Facility	Central	\$3,060,000													
(Oakey to Wall Street - FWUP 0000,0059))		93.5							0.420			2.64	L	
Freeway Channel South	Central	\$5,874,000										0.500	2.687		2.687
Charleston to Oakey - FW15 0089)			93.5												
Owens Avenue System	Central	\$3,126,000													
(Rancho to I-15 - LVOW 0000)			95.5												
Gowan North Channel - North	Gowan	\$6,070,000													
Basin to Lone Mnt RdGONO 0046)			87.5		1.906				1.673		1.063				
Gowan North Channel - Lone	Gowan	\$0	i												
Mtn. Rd. to CAM-10 Det. Basin	0	\$1,187,000	87.5												
Lone Mountain System Outfall to Durango (GOLM 0000)	Gowan	\$1,187,000	87.5												
Freeway Channel - North	Central	\$770,000	07.5												
Washington Ave. (I15 to Martin Luther)	Contrai	Ψ770,000	77.5												
Colorado Avenue System	Central	\$5,400,000	, , , ,												
(Las Vegas Wash to I-515)			90.0	0.500							0.900		2.000		2.000
	Totals per Fiscal 'Y	ear (x\$1,000,000)			4.712		5.207		3.673		7.477		7.827 [,]		4.687
	Budget Amount 7		\$51.856		4.119		6.526		5.871		7.047		7.145		4.731
Las Vegas 10-Year F		\$52,180,500							-						
(1) Assumes 50/50 cost split with NDOT.								_							
(2) Assume 50/50 cost split with RTC.			_						··· ,						

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Department of Public Works

M. J. MANNING DIRECTOR

6655 WEST SAHARA AVENUE BUILDING C-204 LAS VEGAS, NEVADA 89102 [702] 455-7760 FAX: [702] 455-7764

Progress As Promised June 15, 1995

URBAN C. LIVENGOOD, JR. Deputy Director 455-7755

NALLIAH T. RAJAH Manager Administration & Programs 455-7780

DENIS CEDERBURG Manager Design Engineering 455-7788

LSSLIS R. HENLEY Manager Construction Management 455-7788

BRETT N. LANE County Surveyor 455-7728

RICHARD T. ROMER Manager Traffic Management 455-7790

OTHER OFFICES

JOHN N. MURDOCH Menager Maintanence Menagement 5825 East Flamingo Road Las Veges, Nevade 89122 455-7540

CHARLES R. JENNER Meneger Environmental Control 4800 West Dewey Drive Les Veges, Nevede 69118 455-7712

455-4600

CARLA J. PEARSON
Manager
Community Development
401 South Fourth Street, 2nd Floc
P. C. Box 554130
Las Vegas, Nevada 89155-4130

Gale Wm. Fraser, III
Chief Engineer, General Manager
Clark County Regional Flood Control District
301 East Clark, Suite 301
Las Vegas, NV 89101

TEN YEAR CONSTRUCTION PROGRAM

Dear Mr. Fraser:

I am writing to submit the attached 1995/96 Ten Year Construction Program for unincorporated Clark County. Since the Regional Flood Control District has projected revenues which are greater than those used in the 94/95 Ten Year Construction Program, Clark County has moved forward projects that are on the current construction program, as well as included new projects which were previously prioritized.

In addition to changes to the construction programs for the southwest and outlying planning areas which are wholly within unincorporated Clark County, Public Works has proposed changes to the Central Las Vegas Valley and Northern Las Vegas Valley planning areas which are partially located in both incorporated and unincorporated portions of Clark County.

If you have any questions, please call Denis Cederburg at 455-6064.

Best regards,

M. J. Manning

Director of Public Works

MJM:DLC:mcc

Enclosures

cc: Richard Goeke, City of Las Vegas
Jim Bell, City of North Las Vegas
Urb Livengood
Ron Norris

Yvonne Atkinson Getes, Chair ● Paul J. Christensen, Vice-Cheirman Jay Bingham, Lorraine Hunt, Erin Kenny, Myrna Williams, Bruce L. Woodbury Donald L. "Pat" Shalmy, County Manager marled & City;

• PROPOSED CHANGES AND ADDITIONS TO REGIONAL FLOOD CONTROL DISTRICT TEN YEAR CONSTRUCTION PROGRAM UNINCORPORATED CLARK

SOUTHWEST LAS VEGAS VALLEY

Year 7 - 200 1.	1 to 2002, add: Lower Duck Creek Detention Basin Design / Right-of-way		
	Construction		
Year 8 - 200	2 to 2003, add:		
1.	Lower Duck Creek Detention Basin		
2.	Construction		
2.	Design / Right-of-way		
Year 9 - 200	3 to 2004, add:		
1.	Flamingo Wash (Tropicana Wash to Decatur Boulevard)		
2.	Construction \$3,008,000 Flamingo Wash (McLeod Drive to Tropicana Wash)		
2.	Design / Right-of-way		
	Construction		
Year 10 - 20	04 to 2005, add:		
1.	Flamingo Wash (McLeod Drive to Tropicana Wash)		
2.	Construction \$184,000 Buffalo Drive to Desert Inn Drain; Rainbow Drain; Desert Inn Detention Basin		
2.	Design / Right-of-way		
CLARK COUNTY OUTLYING			
Vear 2 - 199	96 to 1997, add:		
1.	Hiko Springs Detention Basin Outfall (Project Cost \$3,000,000)		
	Design / Right-of-way \$250,000 Construction \$1,891,000		
Year 3 - 199	97 to 1998, add:		
1.	Hiko Springs Detention Basin Outfall		
2.	Construction		
2.	Construction		
Year 4 - 1998 to 1999, change to:			
1.	Muddy River		
2.	Construction		
۷.	Design / Right-of-way		
,			

CLARK COUNTY OUTLYING (continued)

Year 5 - 1999	to 2000, change to:	
1.	Blue Diamond (Project Cost \$250,000)	
	Design / Right-of-way \$38,000	
	Construction	
2.	Bridge Canyon - Floodway/Outfall	
	Design / Right-of-way	
	Construction	
Year 6 - 2000	to 2001, change to:	
1.	Bridge Canyon Floodway / Outfall	
	Construction	
2.	Indian Spring	
	Design / Right-of-way	
Year 7 - 2001	to 2002, change to:	
1.	Overton Wash / Railroad Channel	
	Construction	
2.	Bridge Canyon - Floodway / Outfall	
_,	Construction	
3.	Indian Springs	
	Construction	
	, , , , , , , , , , , , , , , , , , ,	
Year 8 - 2002	2 to 2003, change to:	
1.	Bunkerville	
	Construction	
2.	Overton Wash / Railroad Channel	
	Construction	
	Comparation VIII VIII VIII VIII VIII VIII VIII VI	
Year 9 - 200	3 to 2004, change to:	
1.	Bunkerville	
	Construction	
	, , ,	
Year 10 - 20	04 to 2005, change to:	
1.	Bunkerville	
	Construction	
	Communication 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	
	NORTHERN LAS VEGAS VALLEY	
Year 5 - 199	9 to 2000, add:	
1.	Sloan Channel, Las Vegas Wash to Confluence Basin	
	Construction	
Year 6 - 200	0 to 2001, add:	
1.	Sloan Channel, Las Vegas Wash to Confluence Basin	
1.	Construction \$2,915,000	
	——————————————————————————————————————	
Year 7 - 2001 to 2002, add:		
1.	Sloan Channel, Las Vegas Wash to Confluence Basin	
••	Construction	

NORTHERN LAS VEGAS VALLEY (continued)

Year 7 - 200:	to 2002, change: Sunrise Mountain Detention Basin Design / Right-of-way
Year 8 - 2002 1.	2 to 2003, add: Sunrise Mountain Detention Basin Construction
Year 9 - 200: 1.	3 to 2004, add: Sunrise Mountain Detention Basin Construction
Voor 10 - 20	04 to 2005, add:
1.	Sunrise Mountain Detention Basin Construction
	CENTRAL LAS VEGAS VALLEY
Year 4 - 199 1.	8 to 1999, add: Colorado Avenue System (Las Vegas Wash to I-15) Design / Right-of-way
Year 6 - 200	0 to 2001, add:
1.	Colorado Avenue System Construction
Year 7 - 200	1 to 2002, add:
1.	Colorado Avenue System Construction
Year 8 - 20 0	2 to 2003, add: Colorado Avenue System Construction
Year 10 - 20 1.	004 to 2005, add: Colorado Avenue System Construction





Department of Public Works

M. J. MANNING DIRECTOR

6655 WEST SAHARA AVENUE BUILDING C-204 LAS VEGAS, NEVADA 89102 [702] 455-7760 FAX: [702] 455-7764

Progress As Promised

-CCRFCD - -

June 15, 1995

URBAN C. LIVENGOOD, JR. Deputy Director

15 山州野門門 09

NALLIAH T. RAJAH Manager Administration & Programs

455-7780

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Manager Environmental Control 4800 West Deway Drive Les Vegas, Nevede 89118 455-7712

CARLA J. PEARSON Manager Community Development 401 South Fourth Street, 2nd Floo

P. O. Box 554130 Les Vegas, Nevada 89155-4130 455-4600

Gale Wm. Fraser, III Chief Engineer, General Manager Clark County Regional Flood Control District 301 East Clark, Suite 301 Las Vegas, NV 89101

TEN YEAR CONSTRUCTION PROGRAM

Dear Mr. Fraser:

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If you have any questions, please call Denis Cederburg at 455-6064.

Best regards,

M. Y. Manning

Director of Public Works

MJM:DLC:mcc

Enclosures

Richard Goeke, City of Las Vegas cc: Jim Bell, City of North Las Vegas Urb Livengood

Ron Norris

COMMISSIONERS Yvonne Atkinson Gates, Chair • Paul J. Christensen, Vice-Chairman

dlc\tenyear.gwf

Jay Bingham, Lorraine Hunt, Erin Kenny, Myrna Williams, Bruce L. Woodbury Donald L. "Pat" Shalmy, County Manager

PROPOSED CHANGES AND ADDITIONS TO REGIONAL FLOOD CONTROL DISTRICT TEN YEAR CONSTRUCTION PROGRAM UNINCORPORATED CLARK

SOUTHWEST LAS VEGAS VALLEY

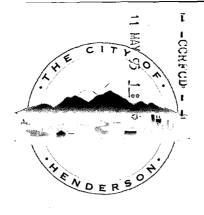
Year 7 - 2001 to 2002, add:		
1.	Lower Duck Creek Detention Basin	
	Design / Right-of-way	
	Construction	
Year 8 - 2002 to 2003, add:		
1.	Lower Duck Creek Detention Basin	
	Construction	
2.	Flamingo Wash (Tropicana Wash to Decatur Boulevard)	
	Design / Right-of-way	
	Construction	
Year 9 - 200	3 to 2004, add:	
1.	Flamingo Wash (Tropicana Wash to Decatur Boulevard)	
	Construction	
2.	Flamingo Wash (McLeod Drive to Tropicana Wash)	
	Design / Right-of-way	
	Constitution	
Year 10 - 20	004 to 2005, add:	
1.	Flamingo Wash (McLeod Drive to Tropicana Wash)	
2	Construction	
2.	Buffalo Drive to Desert Inn Drain; Rainbow Drain; Desert Inn Detention Basin Design / Right-of-way	
	Construction	
	CLARK COUNTY OUTLYING	
Year 2 - 199	96 to 1997, add:	
1.	Hiko Springs Detention Basin Outfall (Project Cost \$3,000,000)	
	Design / Right-of-way	
	Construction	
Vear 3 . 199	97 to 1998, add:	
1.	Hiko Springs Detention Basin Outfall	
	Construction	
2.	Muddy River (Project Cost \$8,259,000)	
	Construction	
Year 4 - 1998 to 1999, change to:		
1 tai 4 - 192	Muddy River	
	Construction	
2.	Overton Wash / Railroad Channel (Project Cost \$15,350,000)	
	Design / Right-of-way	
,		

CLARK COUNTY OUTLYING (continued)

Vear 5 - 1999	to 2000, change to:	
1.	Blue Diamond (Project Cost \$250,000)	
	Design / Right-of-way	\$38,000
	Construction	
2.	Bridge Canyon - Floodway/Outfall	
	Design / Right-of-way	\$576,000
	Construction	\$3,020,000
Year 6 - 2000	to 2001, change to:	
1.	Bridge Canyon Floodway / Outfall	** • • • • • • • • • • • • • • • • • •
	Construction	
2.	Indian Spring Design / Right-of-way	£100 000
	Design / Right-of-way	\$100,000
W		•
	1 to 2002, change to:	
1.	Overton Wash / Railroad Channel	\$010,000
2	Construction	\$919,000
2.	Bridge Canyon - Floodway / Outfall	\$1 723 000
2	Construction	\$1,725,000
3.	Indian Springs Construction	\$495,000
•	Construction	\$ 175,000
Vear 8 - 200	2 to 2003, change to:	
1.	Bunkerville	
	Construction	\$406,000
2.	Overton Wash / Railroad Channel	•
	Construction	\$2,680,000
Year 9 - 200	3 to 2004, change to:	
1.	Bunkerville	
	Construction	\$2,998,000
	04 to 2005, change to:	
1.	Bunkerville	\$1,072,000
	Construction	\$1,903,000
	NORTHERN LAS VEGAS VALLEY	
Voc. 5 100	n to 2000 add.	
Year 5 - 199 1.	9 to 2000, add: Sloan Channel, Las Vegas Wash to Confluence Basin	1
1.	Construction	•
	Construction	Ψ1,220,000
Year 6 - 200	00 to 2001, add:	
1.	Sloan Channel, Las Vegas Wash to Confluence Basin	
	Construction	\$2,915,000
		•
Year 7 - 200	11 to 2002, add:	
1.	Sloan Channel, Las Vegas Wash to Confluence Basin	
	Construction	\$815,000
		4950000
		7
		Page 2

NORTHERN LAS VEGAS VALLEY (continued)

Year 7 - 200 1.	1 to 2002, change: Sunrise Mountain Detention Basin Design / Right-of-way	\$940,000
	2 to 2003, add: Sunrise Mountain Detention Basin Construction	\$3,890,000
Year 9 - 200 1.	3 to 2004, add: Sunrise Mountain Detention Basin Construction	\$3,997,000
Year 10 - 20 1.	04 to 2005, add: Sunrise Mountain Detention Basin Construction	\$3,997,000
	8 to 1999, add:	
1.	Colorado Avenue System (Las Vegas Wash to I-15) Design / Right-of-way	\$900,000
Year 6 - 200	0 to 2001, add:	
1.	Colorado Avenue System Construction	\$600,000
Year 7 - 200	ol to 2002, add:	
	Colorado Avenue System Construction	\$2,174,000
Year 8 - 200	2 to 2003, add:	
1.	Colorado Avenue System Construction	\$2,000,000
Year 10 - 20	004 to 2005, add:	
1.	Colorado Avenue System Construction	\$1,500,000
		7174.000



May 5, 1995

Mr. Kevin Eubanks Clark County Regional Flood Control District 301 E. Clark, Suite 301 Las Vegas, Nevada 89119

Re: City of Henderson 10-year Plan Update

Dear Kevin:

Attached is the proposed 10-year construction plan update for the City of Henderson. We have tried to meet the funding targets supplied in Exhibit 4 of the last TAC agenda. Also attached is a copy of the project rankings. The rankings have not been changed since last year.

Please let me know if you need any additional information.

Sincerely,

Curt Chandler, P.E.

Land Development Manager

cc: Mark Calhoun

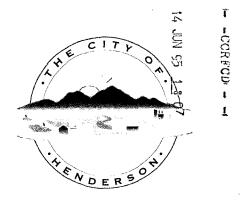
Saeed Ahmad

FACILITY DESCRIPTION	BASIN	SCORE	PLANNING COST	CUMULATIVE COS	T
C-1 CHANNEL LOWER REACH	C-1	106.5		\$24,189,594	(Constructed Facilities)
MISSION HILLS DETENTION BASIN/COLLECTION	C-1	103.5		\$24,189,594	
EQUESTRIAN DETENTION BASIN/COLLECTION	C-1	103	\$4,780,000	\$28,969,594	
WESTERN INTERCEPTOR	C-1	93.5	\$6,120,000	\$35,089,594	
SOUTHWEST DETENTION BASIN (BLACK MTN)	C-1	93	\$3,350,000	\$38,439,594	
SUNSET DETENTION BASIN AND OUTFLOW	PIT	92.5	\$6,420,000	\$44,859,594	
PITTMAN PARK DETENTION BASIN	PIT	90.5	\$5,850,000	\$50,709,594	
DUCK CREEK CHANNEL	DUCK	80.5	\$561,300	\$51,270,894	
C-1 CHANNEL MIDDLE REACH	C-1	80	\$5,230,000	\$56,500,894	
EAST DETENTION BASIN	C-1	74.5	\$1,628,000	\$58,128,894	
NORTHEAST/EAST LEVEE AND OUTFALL	C-1	72.2	\$1,830,000	\$59,958,894	
WHITNEY RANCH CHANNEL	PIT	67.2	\$1,091,600	\$61,050,494	
PITTMAN PECOS DETENTION BASIN	PIT	66.7	\$3,468,000	\$64,518,494	
NORTHEAST DETENTION BASIN	C-1	66	\$6,520,000	\$71,038,494	
GIBSON CONVEYANCE SYSTEM	PIT	63		\$71,038,494	
EQUESTRIAN DETENTION BASIN OUTFALL	C-1	54		\$71,038,494	
COSMO WORLD DETENTION BASIN	PIT	54		\$71,038,494	
RAILROAD EAST CONVEYANCE/DETENTION	PIT	53.5		\$71,038,494	
MCDONALD RANCH DETENTION BASIN	PIT	51.5		\$71,038,494	
PITTMAN-MCDONALD RANCH CHANNEL	PIT	40.9		\$71,038,494	

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			FY 95/9	96	FY 96/9	97	FY 97/9	98	FY 98/9	9	FY 99/0	00	FY 00/0	11	FY 01/0)2	FY 02/0	03	FY 03/	04	FY 04/0	05
			Year 1		Year 2		Year 3		Year 4		Year 5		Year 6		Year 7		Year 8		Year 9		Year 10	0
Planning	Project	Priority	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const
Area	Cost	Value																				
C-1	\$4,780,000	103	1				/															
C-1	\$6,120,000	(93.5)	1035			5.458		/	/													
C-1	\$3,350,000	93	P/				0.335	3.015		1												
Pittman	\$6,420,000	92.5	V.						0.642	/	/	5.778										
Pittman	\$5,850,000	90.5							0.0574	0.513				/	/							
Duck	\$561,300	80.5								/			∕ 0.056 ∢	0.504 t								
C-1	\$5,230,000	80.	V						0.523			/ 4.707 √			/							
C-1	\$1,628,000										0.244	1		1.384		/	<u> </u>					
C-1	\$1,830,000														0.275	1.56						
Pittman	\$1,091,600	(67.5)	83.5												0.164	0.928						
Pittman	\$3,468,000													2.948		/						
C-1	\$6,722,000	(66)	103,5	,											0.978			₽.542v				
Pittman	\$3,241,000	(6)	64.5														0.486 v			2.755		
C-1	\$5,065,000	54																	0.76			4.305
										_					·							
	\$55,356,900		_	5.80		5.46		3.35	133	1.74	119	10.73	2021	4.89	200	3.91	29	6.03	16	3.52	7	4.31
			ڻ ع	605.8	5	পুনি টি		14.6	1.15	16.3	10.10	27.1	4.67	32.0	3,00	35.9	68	41.9	3.0	45.4	430	49.7
	,	1		5 000		5 450 N		0.474							,	1001		1000				
						l l							l			IJ					1	3.182 1.12
	Area C-1 C-1 Pittman Pittman Duck C-1 C-1 C-1 Pittman C-1 Pittman Pittman Pittman	Area Cost C-1 \$4,780,000 C-1 \$6,120,000 C-1 \$3,350,000 Pittman \$6,420,000 Duck \$561,300 C-1 \$5,230,000 C-1 \$1,628,000 C-1 \$1,628,000 Pittman \$1,091,600 Pittman \$3,468,000 Pittman \$3,468,000 C-1 \$6,722,000 Pittman \$3,241,000 C-1 \$5,065,000	Area Cost Value C-1 \$4,780,000 103 C-1 \$6,120,000 33.5 C-1 \$3,350,000 93 Pittman \$6,420,000 92.5 Pittman \$5,650,000 90.5 Duck \$561,300 80.5 C-1 \$5,230,000 80. C-1 \$1,628,000 74.5 C-1 \$1,830,000 72.2 Pittman \$1,091,600 67.3 Pittman \$3,488,000 66.7 C-1 \$6,722,000 66 Pittman \$3,241,000 65 C-1 \$5,065,000 54	Planning	Planning Project Priority Des Const Area Cost Value Value C-1 \$4,780,000 103 √5.8 C-1 \$6,120,000 93.5 103.5 C-1 \$3,350,000 93 70.00 Pittman \$6,420,000 92.5 70.00 Pittman \$5,850,000 90.5 70.00 Duck \$561,300 80.5 70.00 C-1 \$1,628,000 74.5 70.00 C-1 \$1,830,000 72.2 70.00 Pittman \$3,468,000 66.7 79.5 79.5 Pittman \$3,488,000 66.7 79.5 79.5 Pittman \$3,241,000 65.0 79.5 79.5 Pittman \$3,241,000 65.0 79.5 79.5 S55,356,900 54 79.5 79.5 79.5 \$5,80 \$5,80 \$5.80 \$5.80	Year 1 Year 2	Planning	Year 1	Year 1	Year 1	Planning	Year 1 Year 2 Year 3 Year 4 Year 5	Planning	Year 1	Year 1	Planning	Year 1	Planning	Planning	Planning	Planning	Planning

11 EW S 1: 16



June 13, 1995

Mr. Kevin Eubanks Clark County Regional Flood Control District 301 E. Clark, Suite 301 Las Vegas, Nevada 89101

Re: City of Henderson Proposed Ten -Year Construction Program

Dear Kevin:

Attached is a revised spreadsheet showing the proposed City of Henderson Ten-Year Construction Program. This spreadsheet separates the East Detention Basin, the Northeast Levee, and the Northeast Detention Basin and Outfall. It has been corrected to place the construction of the East/Northeast Levee ahead of the construction of the Northeast Detention Basin.

I have included revised ranking forms for the projects listed on the spreadsheet. The changes since the last ranking sheet submitted are shaded on the revised sheets. As you know, some of the scores submitted did not agree with the scores previously approved by the Board. I have attempted to explain the reason for the change in ranking in each case, and would ask for Board approval of the new rankings. Please note that the Northeast/East Levee was not previously ranked separately, so we would also like to obtain approval of that ranking.

The scores have been modified to contain only whole numbers. This has resulted in a small change to the score in a few cases.

BLACK MOUNTAIN DETENTION BASIN. This project has been changed from acquisition of right-of-way to also include design and construction, however the score has not been changed.

PITTMAN/PECOS DETENTION BASIN. This project has been changed from right-of-way acquisition only to also include construction. The design of this basin is 90 percent completed. It was designed by ESI under contract with the developers of the area. Note also, that the cost estimate appearing in the spreadsheet reflects the cost estimate by ESI rather than the cost estimate found in the Master Plan. The score for this project has been changed from 66.7 to 83 due to the tremendous increase in population downstream.

EAST DETENTION BASIN. The score on this project has increased from 74.5 to 87.5 due to the recent increase in population downstream.

NORTHEAST/EAST LEVEE. The score for this project has increased in the process of converting to whole numbers.

NORTHEAST BASIN AND OUTFALL SYSTEM. This project score was increased because it is necessary to construct the Northeast Detention Basin prior to construction of the Northeast/East Levee.

EQUESTRIAN DETENTION BASIN OUTFALL. The score for this project was increased from 54 to 66 because of the increase in population in the area. In addition, as development occurs in the area developers are forced to construct costly facilities to carry flows in their natural watercourses which will not be needed after the outfall system is constructed.

GIBSON CHANNEL. The score for this project is due to the change to whole numbers.

WHITNEY RANCH CHANNEL. The score on this project was reduced from 83.5 to 55.5 because expected development in the area did not occur and because the channel is not a required part of the flood control system.

Please let me know if you have any questions concerning these modifications.

Sincerely,

Curt Chandler, P.E.

Land Development Manager

/jn

CITY OF HENDERSON 1995 10-YR PROGRAM

		•		FY 95/	96	FY 96/9	97	FY 97/	98	FY 98/9	99	FY 99/0	00	FY 00/0	01	FY 01/0	02	FY 02/	03	FY 03/0	04	FY 04/0)5
				Year 1		Year 2		Year 3		Year 4		Year 5		Year 6		Year 7		Year 8		Year 9		Year 10	
Facility Description	Planning	Project	Priority	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const	Des	Const
	Area	Cost	Value					<u> </u>										_	 				
Equestrian Det Basin	C-1	\$4,780,000	103		5.8							\vdash		-									
Western Diversion	C-1	\$6,120,000	93.5				5.458																
Southwest (Blk Mtn) Basin	C-1	\$3,350,000	93					0.335	3.015		1												
Sunset Basin and Outflow	Pittman	\$6,420,000	92.5							0.642			5.778										
Pittman Park Det Basin	Pittman	\$5,850,000	90.5							0.057	0.513												<u> </u>
Duck Creek Channel	Duck	\$561,300	80.5											0.056	0.504						<u> </u>	<u> </u>	<u> </u>
C-1 Channel Middle Reach	C-1	\$5,230,000	80							0.523	4.707										L		ــــــ
East Detention Basin	C-1	\$1,628,000	87.5	Γ								0.244			1.384							<u> </u>	<u> </u>
Pittman/Pecos Basin	Pittman	\$3,468,000	83												2.948								
Northeast Basin/Outfall	C-1	\$6,520,000	79											0.652			6.07		L		<u> </u>		
Notheast/East Levee	C-1	\$1,830,000	78													0.275			1.56		<u> </u>		
Equestrian Basin Outfall	C-1	\$5,065,000	66															0.76			4.305		
Gibson Channel	Pittman	\$3,241,000	64.5													l		L		0.486	L		2.755
Whitney Ranch Channel	Pittman	\$1,091,600	55.5																		<u> </u>	0.164	0.928
						_		_		_		_				_		_		_		-	
Total		\$55,154,900			5.80	1	5.46	1	3.35		6.44		6.02		5.54		6.35		2.32		4.79		3.85
Cumulative Total					5.80		11.26	J	14.61]	21.05		27,07		32.62		38.96		41.28	J	46.07		49.92
CCRFCD Target	1				5,8		5.458		3.171		5.124		5.368		6.021		4.801	}	4.936		4.844		3.182
Amount Over/Under Target					0		0		0.179		1.318		0.654		-0.48		1.544		-2.62		-0.05		0.665

Variance from CCRFCD Target 1.214

CITY OF HENDERSON PHASE 1 RANKING FORM 1995

C-1 Channel Basin	POPULATION	LAND	PUBLIC	EMERG	COST	OTHER	INTER-	TIMING &	ENVIRONMENT	MAINT	TOTAL
	AFFECTED	VALUE	PERCEPTIO	ACCESS	AVOIDANCE	FUNDING	RELATIONSHIP	IMPLEMENTATION		COST	<u> </u>
(Ranking Factor)	(5)	(4.5)	(4)	(3.5)	(3)	(2.5)	(2)	(1.5)	(1)	(.5)	
FACILITY NAME			<u> </u>					<u></u>			
Mission Hills Detention Basin	4	4	3	4	4	4	4	4	2	3	103.5
Lower C-1 Channel (Lake Mead-Drake)	5	4	2	5	5	2	4	4	2	4	106.5
East Detention Basin	4	3	3	4	3	1	3	4	3	3	87.5
Middle C-1 Channel (Drake - UPRR)	3	3	4	2	2	1	4	4	4	4	80.0
Equestrian Detention Basin & Collection	4	4	4	3	4	4	3	4	3	3	103.0
Equestrian Detention Basin Outfall	2	3	2	2	3	2	4	2	2	1	66.0
Southwest Detention Basin	3	4	4	3	4	3	4	3	2	1	94.0
Northeast Detention Basin/Outfall	3	4	3	3	2	1	4	3	1	3	79.0
Northeast/East Levee	3	4	4	3	2	1	3	1	1	3	78.0
Western Interceptor	3	4	4	3	3	. 3	5	4	1	3	94.5

CITY OF HENDERSON PHASE 1 RANKING FORM 1995

DUCK CREEK BASIN	POPULATION	LAND	PUBLIC	EMERG	COST	OTHER	INTER-	TIMING &	ENVIRONMENT	MAINT	TOTAL
	AFFECTED	VALUE	PERCEPTION	ACCESS	AVOIDANCE	FUNDING	RELATIONSHIP	IMPLEMENTATION		COST	
(Ranking Factor)	(5)	(4.5)	(4)	(3.5)	(3)	(2.5)	(2)	(1.5)	(1)	(.5)	
FACILITY NAME			land to								
									_		
Duck Creek (Sunset-Newport)	3	3	4	3	2	1	3	3	4	5	80.5

CITY OF HENDERSON PHASE 1 RANKING FORM 1995

Pittman Wash Basin	POPULATION	LAND	PUBLIC	EMERG	COST	OTHER	INTER-	TIMING &	ENVIRONMENT	MAINT	TOTAL
	AFFECTED	VALUE	PERCEPTIO	ACCESS	AVOIDANCE	FUNDING	RELATIONSHIP	IMPLEMENTATION		COST	
(Ranking Factor)	(5)	(4.5)	(4)	(3.5)	(3)	(2.5)	(2)	(1.5)	(1)	(.5)	
FACILITY NAME											
·····											
Pittman Park Detention Basin	2	3	3	4	3	4	5	5	3	3	90.5
McDonald Ranch Channel	1	2	1	0	4	2	4	3	1	1	49
Sunset Detention Basin & Outflow System	2	4	4	4	4	3	4	3	1	3	92.5
Whitney Ranch Channel	1	4	4	1	1	1	2		1	2	55,5
Gibson Channel	1	2	2	4	3	2	4	2	2	3	64.5
Railroad East Channel & Detention System	1	2	1	2	2	3	4	3	2	1	53.5
Cosmo World Detention Basin	1	3	1	1	4	1	4	2	2	1	54
McDonald Ranch Detention Basin	1	3	0	1	4	2	4	2	1	1	51.5
Pittman Pecos Detention Basin	4	4	1	1	4	4	4	4	1	1	83



April 18, 1995

Kevin Eubanks, PE - Assistant General Manager Clark County Regional Flood Control District 301 E. Clark Avenue, Suite 301 Las Vegas, NV 89101

Dear Kevin:

SUBJECT: City of Las Vegas 10-Year Construction Program Priority List

We are submitting our 10-Year Construction Program Priority List for flood control projects. We have renamed the spreadsheet file you provided to CLV10YR.XLS and is provided on the attached 3-1/2 inch disk.

If you have any questions, please call at your convenience.

Sincerely,

Randy Fultz, PE

Flood Control Project Manager

Department of Public Works

cc: Charles Kajkowski, PE-CLV

File: ...\randy\wpdata\rlf\ccrfcd/clv10yr.doc



202.8 01 202.8 01 204.9 6 012.7 2 103.0 2 103.2 7 103.3 7 105.5 1

Exhibit 1

DRAFT

10-YEAR CONSTRUCTION PROGRAM

					FY 94/9	5	FY 95/96		FY 96/9	7	FY 97/9	8	FY 98/9	9
file M:\10YR9596.XLS					(Current	Year)	(Year 1)	>	(Year2)		(Year 3)		(Year 4)	
	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW		/ROW	
LAS VEGAS (Central Las Vegas Valley) :														
Lone Mountain Detention Basin	Gowan	\$5,000,000		Interloca	l executed	10/13/94								
Phase 1	1		111.5			1.269								
Oakey Detention Basin and	Central	\$8,114,000		Interloca	l executed	11/10/94								
Collection System - Phase 2			101.0			1.513								
Angel Park Detention Basin	Gowan	\$100,000		Prioritize	d for fundi	ng by Brd.	Action 2/9	95. Funds	acrue by	2/96				
Expansion			100.5			0.1		1.785 🗸						
Washington Avenue Channel -	Central	\$5,385,000		Interloca	l executed	10/13/94								
Lena to Eastern Reach 3			99.0			5.38 4								
Washington Ave. Channel - Upper	Central	\$10,798,000		Eastern t	o Sagman		& increase	By Board	d Action. S	0.09M N	TP Spaghett	ti Bowl		
Reach 4 (24th - FSt.)			98.5		0.510√	3.806	0.200	√ 0. <u>67</u> 6		2.038✔	(1)	2.471		
Freeway Conveyance South	Central	\$7,989,000								/			/	
LV Cr. to Charleston	[98.5						0.500	•		2.095	(1)	
Freeway Channel Bypass Facility	Central	\$3,060,000												
(Oakey to Wall Street)			93.5											
Freeway Channel South	Central	\$1,492,000		Sahara to	Ivanhoe C	onstructed	with NDO	Т						
Charleston to Sahara			93.5											
Owens Avenue System	Central	\$3,005,000		Funded v	vith RTC					/			/	
(Rancho to I-15)			95.5						0.090	1		2.926V		
Gowan North Channel - North	Gowan	\$7,272,000		Predesign	funded			/			/			
Detention Basin to Lone Mnt Rd.			87.5				0.700 √			0.728				1.906
Gowan North Channel - Lone	Gowan	\$600,000		Predesign	funded									
Mtn. Rd. to CAM-10 Det. Basin			87.5											
Lone Mountain System	Gowan	\$1,187,000									/			,
Outfall to Durango			76.5								0.200			0.987
Freeway Channel - North	Central	\$770,000		Funded w	. 2	/			1					
Washington Ave. (I15 to Martin Luther)			77.5		0.070 🗸			0.700						
Colorado Avenue System	Central	\$14,770,000												
(Las Vegas Wash to I-515)		l	90.0											
		Totals per Fiscal Y	ear (x \$1,000,000)			4.386		4.061		3.356		5.221		2.893
Las Vegas Current &		\$42,313,500					<u> </u>							
(1) Assumes 50/50 cost split with NDOT.	·													
	· _ · · · _ · · _ · _ · _ · _ ·													

Exhibit 1

DRAFT

10-YEAR CONSTRUCTION PROGRAM

Washington Avenue Channel - Lena to Eastern Reach 3 Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Central Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Central	\$8,114,000 \$100,000 \$5,385,000 \$10,798,000	Priority Value 111.5 101.0 100.5 99.0 98.5	/ROW]	2.707 J	(Year 6) Design /ROW	2.306 V	(Year7) Design /ROW	Const.	(Year 8) Design /ROW		(Year 9) Design /ROW	Const.	(Year 10 Design /ROW	Const
Facility Description LAS VEGAS (Central Las Vegas Valley): Lone Mountain Detention Basin Phase 1 Oakey Detention Basin and Collection System - Phase 2 Angel Park Detention Basin Expansion Washington Avenue Channel - Lena to Eastern Reach 3 Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Central Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Gowan	\$5,000,000 \$8,114,000 \$100,000 \$5,385,000 \$10,798,000 \$7,989,000	Value 111.5 101.0 100.5 99.0 98.5	/ROW]		- 1			Const.		Const.		Const.		Cons
LAS VEGAS (Central Las Vegas Valley): Lone Mountain Detention Basin Phase 1 Oakey Detention Basin and Collection System - Phase 2 Angel Park Detention Basin Expansion Washington Avenue Channel - Lena to Eastern Reach 3 Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Central Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Gowan	\$5,000,000 \$8,114,000 \$100,000 \$5,385,000 \$10,798,000 \$7,989,000	111.5 101.0 100.5 99.0 98.5		2.707	/ROW]	2,306	/ROW		/ROW]		Row		ROW	
Lone Mountain Detention Basin Phase 1 Oakey Detention Basin and Collection System - Phase 2 Angel Park Detention Basin Expansion Washington Avenue Channel - Lena to Eastern Reach 3 Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Central Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Central	\$8,114,000 \$100,000 \$5,385,000 \$10,798,000 \$7,989,000	101.0 100.5 99.0 98.5		2.707	/	2.306								
Phase 1 Oakey Detention Basin and Collection System - Phase 2 Angel Park Detention Basin Expansion Washington Avenue Channel - Lena to Eastern Reach 3 Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Central	\$8,114,000 \$100,000 \$5,385,000 \$10,798,000 \$7,989,000	101.0 100.5 99.0 98.5		2.707		2.306	/							
Oakey Detention Basin and Collection System - Phase 2 Angel Park Detention Basin Expansion Washington Avenue Channel - Lena to Eastern Reach 3 Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Cowan	\$100,000 \$5,385,000 \$10,798,000 \$7,989,000	101.0 100.5 99.0 98.5		2.707		2.306								
Collection System - Phase 2 Angel Park Detention Basin Expansion Washington Avenue Channel - Lena to Eastern Reach 3 Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Gowan	\$100,000 \$5,385,000 \$10,798,000 \$7,989,000	99.0 98.5		2.707	/	2.306								
Angel Park Detention Basin Expansion Washington Avenue Channel - Lena to Eastern Reach 3 Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Central Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Central	\$5,385,000 \$10,798,000 \$7,989,000	99.0 98.5		2.707	/	2.306								
Expansion Washington Avenue Channel - Central Lena to Eastern Reach 3 Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Central	\$5,385,000 \$10,798,000 \$7,989,000	99.0 98.5		2.707	/	2.306								
Washington Avenue Channel - Lena to Eastern Reach 3 Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Central	\$10,798,000	99.0 98.5		2.707	/	2.306	/							
Lena to Eastern Reach 3 Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility Central (Oakey to Wall Street) Freeway Channel South Central Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Gowan	\$10,798,000	98.5		2.707 🗸	7	2.306	/							
Washington Ave. Channel - Upper Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Central Countral $7,989,000	98.5		2.707 🗸		2.306	/								
Reach 4 (24th - FSt.) Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Charleston to Sahara Owens Avenue System (Rancho to I-15)	\$7,989,000			2.707 🗸		2.306			200000000000000000000000000000000000000					
Freeway Conveyance South LV Cr. to Charleston Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Central				2.707 🗸		2.306		000000000000000000000000000000000000000						
LV Cr. to Charleston Freeway Channel Bypass Facility Central (Oakey to Wall Street) Freeway Channel South Central Charleston to Sahara Owens Avenue System Central (Rancho to I-15) Gowan North Channel - North Gowan		98.5												
Freeway Channel Bypass Facility (Oakey to Wall Street) Freeway Channel South Charleston to Sahara Owens Avenue System (Rancho to I-15) Gowan North Channel - North Central Gowan	\$3,060,000	98.5							,		/			
(Oakey to Wall Street) Freeway Channel South Central Charleston to Sahara Owens Avenue System Central (Rancho to I-15) Gowan North Channel - North Gowan	\$3,060,000							2.697 √		2.697	1			
(Oakey to Wall Street) Freeway Channel South Central Charleston to Sahara Owens Avenue System Central (Rancho to I-15) Gowan North Channel - North Gowan	Ψ2,000,000													
Charleston to Sahara Owens Avenue System Central (Rancho to I-15) Gowan North Channel - North Gowan		93.5							<i>ا</i> 0.420	/		12.64		
Owens Avenue System Central (Rancho to I-15) Gowan North Channel - North Gowan	\$1,492,000												/	
(Rancho to I-15) Gowan North Channel - North Gowan		93.5							0.200			1.292	/	
Gowan North Channel - North Gowan	\$3,005,000													
		95.5												
Detention Basin to Lone Mnt Rd.	\$7,272,000						1			,	X			
		87.5				0.650℃				1.023 J		1.063		1.202
Gowan North Channel - Lone Gowan	\$600,000										,			
Mtn. Rd. to CAM-10 Det. Basin	\$1.107.000	87.5									0.600√			
Lone Mountain System Gowan	\$1,187,000	76.5									l			
Outfall to Durango	\$770.000	/0.3												
Freeway Channel - North Central	\$770,000	77.5									l			
Washington Ave. (I15 to Martin Luther) Colorado Avenue System Central	\$14,770,000	17.3												
(Las Vegas Wash to I-515)	\$14,770,000	90.0									0.900			2.000
fere to See tradition and	Totals per Fiscal Y			2.707		2.956	·····	2.697		4.340	0.500	6.495	000000000000000000000000000000000000000	3.202
Las Vegas Current & 10-Year Tota		· (Λ Ψ1,000,000)		2.707		2.750		2.07		4.540		0.775		3.202
(1) Assumes 50/50 cost split with NDOT.	<u> </u>										 			
17 Modernes 30/00 voor opine with 14501.														



June 8, 1995

Kevin Eubanks, P.E.
Assistant General Manager
Clark County Regional
Flood Control District
301 E. Clark Avenue - Suite 301
Las Vegas, NV 89101

Dear Kevin:

RE: CITY OF LAS VEGAS 10-YEAR CONSTRUCTION PROGRAM PRIORITY LIST

Attached please find our updated 10-Year Construction Program Priority List for flood control projects. We have added the Oakey Storm Drain to the Project List and attached a ranking for it. We have renamed the spreadsheet file you provided us. It is on the attached 3-1/2 inch disk under the file name CLV10YR.XLS.

Sincerely,

Randy Fultz/, P.E.

Flood Control Project Manager Department of Public Works

RF:cns

Attachments

cc: Charles Kajkowski, P.E. - CLV

P:\10Yr6-95.Rev



Exhibit 1

DRAFT
10-YEAR CONSTRUCTION PROGRAM

							FY 95/9	6	FY 96/9	7	FY 97/9		FY 98/9	9
							(Year 1)		(Year2)		(Year 3)		(Year 4)	
		Planning	Project	Priority			Design	Const.	Design	Const.	Design	Const.	Design	Col
	Facility Description	Area	Cost	Value		Notes	/ROW	<u></u>	/ROW		/ROW		/ROW	
	LAS VEGAS (Central Las Vegas Valley) :		File g:\home\rand	/\r3data\rfc	d\prior	ity 10y	9596.xl	s	***************************************					
	Angel Park Detention Basin	Gowan	\$1,785,000		-71				/					
•	Expansion (APNO 0000)				100.5			1.785 √	Prioritized	funding b	y Brd.Acti	on 2/9/95.	Funds acru	e by 2
	Washington Ave. Channel-Reach 4	Central	\$6,111,500	21.6										
	(Eastern to Sagman - LVWH 0298)			99	98.5			/ 3.8055	Prioritized	for fundir	ng by Brd.	action 3/30	/95. Funds	acrue
0	Upper 'Washington Ave. Channel &	Central	\$5,931,000	7		NTP	0.320 V	1	0.190 🗸	<i>,</i>		2.038		
0	Spaghetti Bowl - (WAPR 0000 # 1					`								0.6
١,	LVWH 0448, 0447, 0448, 0374) #10				98.5									
,	Freeway Conveyance South	Central	\$9,594,000											
•	LV Cr. to Charleston (FW15 0000,0038)		.,,		98.5									
`	Oakey Drain - I15 to Valley View	Control	\$3,272,000	•	-	7 a m ord-m s ord		wer and R	ngen					
		Central	\$5,272,000			onstruci	eu wiin se	wei and K	000000000000000000000000000000000000000	/	,		(2)	
	(FWOK 0000, 0044)				91. 5				0.400 V	7 2.190 €		0.682	(2)	
ا برز	Freeway Channel Bypass Facility	Central	\$3,060,000											
(7)	(Oakey to Wall Street - FWUP 0000,0059)				93.5									
	Freeway Channel South	Central	\$5,874,000		S	Sahara to	Ivanhoe C	Constructed	with NDO	T				
FIT	Charleston to Oakey - FW15 0089)				93.5									
200	Owens Avenue System	Central	\$3,126,000		F	unded w	ith RTC						/	
125	(Rancho to I-15 - LVOW 0000)				95.5				0.200 🗸			2.926		
	Gowan North Channel - North	Gowan	\$7,272,000		F	redesign	funded							
	Basin to Lone Mnt RdGONO 0046)				87.5	[0.300レ			0.728			0.400	
	Gowan North Channel - Lone	Gowan	\$600,000		F	redesign	funded							
	Mtn. Rd. to CAM-10 Det. Basin				87.5									
	Lone Mountain System	Gowan	\$1,187,000									/		
- 1	Outfall to Durango (GOLM 0000)				76.5						0.200			0.98
16	Freeway Channel - North	Central	\$770,000			unded w	***************				/			
, ,	Washington Ave. (I15 to Martin Luther)				77.5		ب 0.070			0.700				
	Colorado Avenue System	Central	\$2,900,000											
	(Las Vegas Wash to I-515)		L		90.0									
		Totals per Fiscal Y	ear (x \$1,000,000)					6.281		4.408		5.846		2.06
		Budget Amount		\$51.856										
	Las Vegas 10-Year P	rogram Total :	\$51,482,500							I				
[(1) Assumes 50/50 cost split with NDOT.													
	(2) Assume 50/50 cost split with RTC.													

Exhibit 1

DRAFT
10-YEAR CONSTRUCTION PROGRAM

			FY 99/0	0	FY 00/0	1	FY 01/0		FY 02/0	3	FY 03/0	 -	FY04/05	
			(Year5)	-	(Year 6)	•	(Year7)	_	(Year 8)	-	(Year 9)	-		
Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Area	Cost	Value	/ROW		/ROW		/ROW	! 	/ROW		/ROW		/ROW	<u></u>
	File g:\home\rand	y\r3data\rfcd\prid)											
Gowan	\$1,785,000													
Central	\$6,111,500													
		98.5	/96	2.306-\										
Central	\$5,931,000	<u>}</u>					/							
		[2.707								
i		98.5												
Central	\$9,594,000					,								
		98.5			0.500 🗸	2.000 🗸		2.000 ≻		5.094				
Central	\$3,272,000													
		91. 5												
Central	\$3,060,000													
)		93.5							0.420			2.64		
Central	\$5,874,000										√0.500	2.687		2.687
		93.5												
Central	\$3,126,000													
		95.5												
Gowan	\$7,272,000													
		87.5		1.906				1.673 ✓		1.063		1.202 -		
Gowan	\$600,000	07.5											0.000.4	,
Gowan	\$1.187.000	87.3											0.600 🗸	
wo wan	41,107,000	76.5												
Central	\$770,000													
l		77.5												
Central	\$2,900,000													
	L	90.0									ر 0.900			ى 2.000
Totals per Fiscal Y	Tear (x \$1,000,000)			4.212		5.207		3.673		6.577		7.929		5.287
		\$51.856]		
Program Total :	\$51,482,500													
·														
	Gowan Central Central Central Central Central Central Central Central Central Central Central Central Central Central Countral Central Countral	Area Cost File g:\home\rand Gowan \$1,785,000 Central \$6,111,500 Central \$5,931,000 Central \$9,594,000 Central \$3,272,000 Central \$3,060,000 Central \$5,874,000 Central \$3,126,000 Gowan \$7,272,000 Gowan \$600,000 Gowan \$1,187,000 Central \$2,900,000 Central \$2,900,000 Totals per Fiscal Year (x \$1,000,000) Budget Amount Total 10-Yr Program Total : \$51,482,500	Area Cost Value	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning	Planning

CITY OF LAS VEGAS 10-YEAR CONSTRUCTION PROGRAM RANKINGS OF ADDITIONAL FACILITIES

08-Jun-95

Facility Description	Pop. value	(5.0)	Land value	(4.5)	Public value	(4.0)	Access value	(3.5)	Avoid. value	(3.0)	Funding value		Relation value (2.0)	Implem. value (1.	.5)	Environ. value (1.0)	Mainten. value (0	.5)	TOTAL
Oakey Storm Drain	4	20	3	13.5	3	12	3	10.5	5	15	4	10	(3) 6	2	3	1	1	1 0.	.5	91.5

S:HOME\TOM\R3DATA\RFCD\TENYEAR\92PRIOR2

	DRAFT 10-YEAR CONSTRUCTION PROGRAM	0	Đ	(HIBIT "1"		1			P					
		· ·			FY 95/96 Year 1	FY 96/97 Year 2	FY 97/98 Year 3	FY 98/99 Year 4	FY 99/00 Year 5	FY 00/01 Year 6	FY 01/02 \ Year 7	FY\02/03 Year 8	FY 03/04 Year 9	FY 04/05 Year 10
	Facility Description	Planning Area	Project Cost	Priority Value	Design Const. /ROW	Design Const. /ROW	Design Const. /ROW	Design Const. /ROW	Design Const.	Design Const. /ROW	Design Const. /ROW	Design Const. /ROW	Design Const.	Design Const. /ROW
	NORTH LAS VEGAS (Northern Las Vegas Valley):							4		· I	1			
A	Sloan Channel (Las Vegas Wash - Confluence Detention Basin)	Range	\$4,950,000	101.0	Predesign fund	ed				2:000	2:000	4.0	; accesses a contract of the c	
4/	West Tributary Channel (Confluence Detention Basin-Las Vegas Blvd.)	Range	\$4,990,000	98.0	Interlocal exect	nted 12/08/94 2/8/1 0.500	1/3	1.3	2.89			1	2	,
V	Lower Las Vegas Wash Detention Basin (including ROW)	N. LV Wash	\$3,990,000	95;0	Interiocal execu	ted 12/08/94	3.330		ソ : -					
	Centennial West Tributary (Las Vegas Wash)			/		01/							*	
/	Sunrise Mountain Detention Basins (ROW acquisition)	Range	\$940,000	90.0				-			0.940	-		3
/	"A" Channel (Lake Mead - Las Vegas Boulevard)	N. LV Wash	\$5,710,000	90.0		0.500		2.605	2.605				Mary 10	3
	West Tributary Channel (Las Vegas Blvd UPRR)	Range	\$4,270,000	90.0		,		0,800	0,8	3.170	/	3-4	2.74	, à
/	"A" Channel (Las Vegas Blvd Camino Al Norte)	N. LV Wash	\$8,360,000	87.0		e crossing comp	pleted		0/80		0.78	2,74	7 7	*
	"A" Channel - Craig Road Tributary	N. LV Wash	\$1,000,000	87					0.200	1.000 =	-		7	2
A	Upper Las Vegas Wash - Craig Road to Ann	N. LV Wash	\$4,429,000	87							0,650		0.650.	2.568
Å	East Range Wash Detention Basin	Range	\$2,650,000	575						0.680			0.650	X
		Fiscal Year (x			2.000	4.170	6.220	4.705			6.330 . 5.5 y	6.6		2.568 4.5
	North Las Vegas 10-Year Total:		42,938,000		φ	4.29	3,03	2.45	30 13	<u> </u>	. 313 9	6,6		

\$6/12/9 PM

BOULDER CITY

TEN-YEAR FLOOD CONTROL IMPROVEMENTS

\$5,055,000.00	TOTAL
\$ 600,000,00	Georgia and Buchanan Watershed Replace culverts with box culverts or bridges.
\$1,755,000.00	North Railroad Watershed Construct detention basin, concrete lined channels, box culverts and underground drains.
\$2,700,000.00	West Airport Watershed Construct concrete lined channels and box culverts.
COST	<u>DESCRIPTION</u>

6/14/95 Post-It™ brand fax transmittal r	nemo 7671 #ot pages ▶ /
*Kevin Eubanks	Allan GOVE
CO. CCRFC-D Dept.	Print Bouller CiTY
Fax# 455-3870	Fax# 243- 9241

10 Yr Flood Cont Imp DR:tm 6/14/95

BOULDER CITY TEN-YEAR FLOOD CONTROL IMPROVEMENTS

	COST	DESCRIPTION
50,000	\$ 100,000.00	Replace Broadmoor culverts with bridge. V-4 (1)
	\$ 350,000.00	Replace Georgia Wash culverts on Buchanan with bridge, Not MP.
	\$ 100,000.00	Construct concrete channel on Gingerwood Wash. 2
	\$ 150,000.00	Reconstruct crossing on Georgia Wash at Mendota North a
	\$ 420,000.00	Construct detention basin north of US 93 and west of DC
		Marshall Plaza (Ed Payne).
	\$2,600,000.00	Construct lined channels and culvert from old airport area
		to new airport existing lined channel (E1, E2, E3, E1, & 14)
	\$1,000,000.00	Construct lined channel series from Railroad Museum to
		Yucca St. (3.000± lf) and box culvert or bridge Not MAD
	\$ 335,000,00	Construct 18-inch drain and lined channel from Bootleg
		Canyon Sand & Gravel Pit to new Sand & Gravel Pit.
	\$5,055,000.00	TOTAL

6-	13-95
Post-It™ brand fax transmittal	memo 7671 # of pages > /
To Kevin Eubanks	From Alan Gove
CO. CCRFCD	co. City of Boulder City
Dept.	Phone #
Fex# 455-3870	Fax# 293-9241

V-1 N. RP.
V-2D W. AIRPORT D
V-3B HEMENWAY
V-4 GEORGIA/BUCHANAN

10 Yr Flood Cont Imp DR:tm 6/8/95

10 E. Mesquite Blvd. and Yucca P.O. Box 69 Mesquite, NV 89024 (702) 346-5295 Fax (702) 346-2908

CITY OF MESQUITE, NEVADA

10-YEAR PLAN

SUBMITTAL BY: Allen Bell, P.E.

Director/Public Works City of Mesquite, Nevada

DATE:

June 13, 1995

PROJECT	TASK	DESIGN COST	CONSTRUCTION COST	TOTAL COST
Town Wash	Soil cement lined channel from I-15 to Virgin River, Phase II	\$399,000	\$2,261,000	\$2,660,000
Abbott Wash	Unlined trapezoidal channel from I-15 to the Virgin River	\$315,000	\$1,785,000	\$2,100,000
Pulsipher Wash	Channel modification, culvert replacement and soil cement channel lining channel lining from I-15 to the Virgin River	\$180,000	\$1,020,000	\$1,200,000
TOTALS		\$894,000	\$5,066,000	\$5,960,000

FUND 444 - FUND BALANCE REPORT REGIONAL FLOOD CONTROL DISTRICT DECEMBER 1995

BEGINNING FUND BALANCE		14,449,226
REVENUES: INTEREST	23,529	
		23,529
EXPENSES: CAPITAL IMPROVEMENT PROJECT EXPENDITURES CHECKS NOT DISTRIBUTED	(2,157,723) O	
		(2,157,723)
ENDING FUND BALANCE (FUND 444)		12,315,032
CURRENT OBLIGATIONS AGAINST BOND FUNDS		
ACCOUNTS PAYABLE BALANCE REMAINING ON PROJECTS FUNDED TO DATE	(85,514) (10,083,208)	
		(10,168,722)
UNOBLIGATED BOND FUNDS	•	2,146,310
CURRENT FUNDING REQUESTS		=======================================
ENTITY SCOPE	FISCAL IMPACT	
TOTAL REQUESTS FOR FUNDING		0
BALANCE		2,146,310

12/11/95

	Funding Requests Received			Estimated Funding	g	Priority		
Month		Amount	Revenues	Available	Remaining	Number	Date Established	Notes
Feb-96				\$2,161,423				
Mar-96			\$1,300,000	\$3,461,423			1	
Apr-96			\$1,300,000	\$4,761,423			1	
May-96			\$1,300,000	\$6,061,423				
	Mission Hills Western Intercep.	5,458,000			\$603,423	1	4/13/95	Construction
Jun-96			\$1,300,000	\$1,903,423]	
	Sloan Channel - LVW to Owen	1,460,000			\$443,423	2	9/14/95	Construction
Jul-96			\$1,300,000	\$1,743,423				

#247,768,534 NO

	REVENUE AVAILA	BI E FOR CIP			(FILE:N:\10YE	AR\REVEST95.X	(1.5)	/				
					(1.22.1111110	REVENUE	INTEREST &	•				
	FISCAL YEAR	SALES TAX	TOTAL	TOTAL	ÁINTENANC	AVAILABLE	PRINCIPAL	CASH FOR	LOCAL \$s FOR	REMAINING		
	ESTIMATES	REVENUE	REVENUE	EXPENSES	,	FOR CIP	PAYMENT	PAY-AS-U-GO		CASH FOR PAY	/G	
		712 7 27102	712 7 2 1 1 0 2	Little Election		7 0.1 0.1	774700200	7 A7 A0 0 00	THOI JI LIAN		. •	
	FY 93/94 Actual	\$28,252,779	\$30,492,895	\$2,196,508	\$1,360,773	\$26,935,614	\$8,088,561	\$18,847,053	\$2,888,642	\$15,958,411		
	FY 94/95 Project	\$31,600,000	\$32,554,647	\$2,786,779	\$2,600,000	\$27,167,868	\$8,059,610	\$19,108,258		\$12,373,234		
1	FY 95/96 Project	\$32,900,000	\$33,893,913	\$3,901,425	\$2,730,000	\$27,262,488	\$8,049,950	\$19,212,538	\$5,002,334	\$14,210,204		
1	FY 96/97 Project	\$33,887,000	\$34,910,799	\$2,988,468	\$2,866,500	\$29,055,831	\$8,059,885	\$20,995,946	\$6,336,000	\$14,659,946		
ı	FY 97/98 Project	\$34,903,610	\$35,958,195	\$3,078,122	\$3,009,825	\$29,870,248	\$8,075,430	\$21,794,818	\$7,157,667	\$14,637,151		S
1	FY 98/99 Project	\$35,950,718	\$37,037,015	\$3,170,465	\$3,160,316	\$30,706,234	\$8,091,870	\$22,614,364	\$8,460,667	\$14,153,697	70	
i	FY 99/00 Project		\$38,148,204	\$3,265,579	\$3,318,332	\$31,564,292	\$8,107,545	\$23,456,747	\$6,349,000	\$17,107,747	ypi	100
	FY 00/01 Project	\$38,140,117	\$39,292,731	\$3,363,547	\$3,484,249	\$32,444,935	\$8,122,885	\$24,322,050	\$1,637,667	\$22,684,383	18 di	0
	FY 01/02 Project	\$39,284,321	\$40,471,597	\$3,464,453	\$3,658,461	\$33,348,682	\$8,145,340	\$25,203,342	\$44,567,001	\$25,203,342	10	7
	FY 02/03 Project	\$40,462,850	\$41,685,832	\$3,568,387	\$3,841,384	\$34,276,061	\$8,164,968	\$26,111,094	\$221,666,210	\$26,111,094	\$177,099,209	Ų
1	FY 03/04 Project	\$41,676,736	\$42,936,498	\$3,675,438	\$4,033,453	\$35,227,606	\$8,189,185	\$27,038,421	\$229,857,578	\$27,038,421	\$188,179,219	36
	FY 04/05 Project	\$42,927,038	\$44,224,688	\$3,785,701	\$4,235,126	\$36,203,860	\$8,210,168	\$27,993,693	\$238,743,013	\$27,993,693	\$203,799,678	\mathscr{S}
_	FY 05/06 Project	\$44,214,849	\$45,551,527	\$3,899,273	\$4,446,882	\$37,205,372	\$8,238,575	\$28,966,797	\$248,497,272	\$28,966,797	\$218,556,271	
	FY 06/07 Project	\$45,541,294	\$46,918,175	\$4,016,251	\$4,669,226	\$38,232,697	\$8,266,320	\$29,966,377		\$29,966,377		
	FY 07/08 Project	\$46,907,533	\$48,325,826	\$4,136,738	\$4,902,688	\$39,286,400		\$39,286,400		\$39,286,400		
_	FY 08/09 Project	\$48,314,759	\$49,775,712	\$4,260,840	\$5,147,822	\$40,367,049		\$40,367,049		\$40,367,049		
	FY 09/10 Project	\$49,764,202	\$51,269,098	\$4,388,666	\$5,405,213	\$41,475,219		\$41,475,219		\$41,475,219		
	FY 10/11 Project	\$51,257,128	\$52,807,291	\$4,520,326	\$5,675,474	\$42,611,491		\$42,611,491		\$42,611,491		
	FY 11/12 Project	\$52,794,842	\$54,391,634	\$4,655,935	\$5,959,248	\$43,776,451		\$43,776,451		\$43,776,451		
	FY 12/13 Project	\$54,378,687	\$56,023,513	\$4,795,613	\$6,257,210	\$44,970,689		\$44,970,689		\$44,970,689		_
	FY 13/14 Project	\$56,010,048	\$57,704,353	\$4,939,482	\$6,570,071	\$46,194,800		\$46,194,800		\$46,194,800		_
	FY 14/15 Project	\$57,690,349	\$59,435,623	\$5,087,666	\$6,898,574	\$47,449,383		\$47,449,383		\$47,449,383		
	FY 15/16 Project	\$59,421,060	\$61,218,838	\$5,240,296	\$7,243,503	\$48,735,039		\$48,735,039		\$48,735,039		
	FY 16/17 Project	\$61,203,691	\$63,055,554	\$5,397,505	\$7,605,678	\$50,052,371		\$50,052,371		\$50,052,371		
	FY 17/18 Project	\$63,039,802	\$64,947,378	\$5,559,430	\$7,985,962	\$51,401,986		\$51,401,986		\$51,401,986		
_	FY 18/19 Project	\$64,930,996	\$66,895,963	\$5,726,213	\$8,385,260	\$52,784,490		\$52,784,490		\$52,784,490		_

Sales Tax Revenue projected based on 3.0% increase from FY 95/96

Expense projections (salaries/benefits/services/supplies/capital outlay) based on % of FY 94/95 as compared to Sales Tax Revenue (except as noted below) \$1.0 million added to Capital Outlay in FY 95/96 (new building)

Interest earned on unexpended bond \$ will be used to build total projects of \$82,330,504. Actual bond proceeds \$78,800,000 (Nov 1991)

4/18/95

	Funding Requests Received			Estimated Funding	9	Priority		
Month		Amount	Revenues	Available	Remaining	Number	Date Established	Notes
May-95				\$9,231				Includes closeout and MWP items
Jun-95			\$900,000	\$909,231]		
Jul-95		-	\$900,000	\$1,809,231]		
Aug-95			\$900,000	\$2,709,231		1	ł	i
Sep-95			\$900,000	\$3,609,231]		
Oct-95			\$900,000	\$4,509,231				
Nov-95		}	\$900,000	\$5,409,231]		}
Dec-95	·		\$900,000	\$6,309,231	-			
	Equestrian Detention Basin	5,800,000			\$509,231	1	1/12/95	Construction
Jan-96			\$900,000	\$1,409,231				
Feb-96			\$900,000	\$2,309,231				
	Muddy River West Levee	1,650,000			\$659,231	2	1/12/95	ROW
Mar-96	·		\$900,000	\$1,559,231				
Apr-96			\$900,000	\$2,459,231	-			
	Angel Park Det. Basin	1,785,000			\$674,231	3	2/9/95	Construction
May-96			\$900,000	\$1,574,231				
Jun-96			\$900,000	\$2,474,231		:		
Jul-96			\$900,000	\$3,374,231				
Aug-96			\$900,000	\$4,274,231				
-	Washington, Eastern - Sagman	3,805,000	•		\$469,231	4	4/13/95	Construction
Sep-96			\$900,000	\$1,369,231				
Oct-96			\$900,000	\$2,269,231		1		
Nov-96			\$900,000	\$3,169,231				
Dec-96			\$900,000	\$4,069,231		[
Jan-97			\$900,000	\$4,969,231		ł		
Feb-97			\$900,000	\$5,869,231		1		
_ [Mission Hills Western Intercep.	5,458,000			\$411,231	5	4/13/95	Construction
Mar-97			\$900,000	\$1,311,231		1		
_Apr-97			\$900,000	\$2,211,231]		
May-97			\$900,000	\$3,111,231		- 1		
Jun-97			\$900,000	\$4,011,231		j		

	Project I 3/13/95	Priority and Estimated Fun	nding Schedul	le		î X F		-33/136	JANS 1200,000 7,400,000
		Funding Requests Received			Estimated Fundin	M	Deinei		<u> </u>
	Month		Amount	Revenues	Available	Remaining	Nhimb	y D-4- 5 10	1
	Apr-95				\$7,199,991	/ Hornaming	INUMBE	or Date Established	Notes
_	14 0=	Van Buskirk Phase II	6,140,700		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	\$1,059,291	1	12/8/94	
5	May-95			\$900,000	\$1,959,291	¥1,000,201	l '	12/8/94	Construction
	Jun-95			\$900,000	\$2,859,291			1	
	Jul-95			\$900,000	\$3,759,291				•
	Aug-95			\$900,000	\$4,659,291				1
	Sep-95			\$900,000	\$5,559,291			1	1
	Oct-95	_		\$900,000	\$6,459,291				İ
		Equestrian Detention Basin	5,800,000		•	\$659,291	2	1/12/95	la
ı	Nov-95			\$900,000	\$1,559,291		-	1712/35	Construction
	Dec-95			\$900,000	\$2,459,291			İ	
- 1		Muddy River West Levee	1,650,000		_	\$809,291	3	1/12/95	ROW
, l	Jan-96 Feb-96			\$900,000	\$1,709,291		•	17.12,00	INOW
0		4		\$900,000	\$2,609,291				
ŀ		Angel Park Det. Basin	1,785,000			\$824,291	4	2/9/95	Construction
ŀ	Mar-96			\$900,000	\$1,724,291			1	Construction
- 1	Apr-96			\$900,000	\$2,624,291]	
	May-96			\$900,000	\$3,524,291				
- 1	Jun-96			\$900,000	\$4,424,291			1 1	
İ	\	Vashington, Eastern - Sagman	3,805,500		Y7,747,43				
	Jul-96		2,000,000	\$900,000	¢1 E10 70*	\$618,791			Construction
	Aug-96			\$900,000	\$1,518,791		ĺ		
	Sep-96			\$900,000	\$2,418,791			ļ	
٦٢	Oct-96				\$3,318,791				
ϠηŁ	Nov-96			\$900,000	\$4,218,791		l l		
<i>'</i> ∦F	Dec-96	7)		\$900,000	\$5,118,791		ŀ		
4	N	ission Hills Western Intercep.	5,458,000	4300,000	\$6,018,791	1			
T	Jan-97		3,400,000	\$900,000	A1 400 704	\$560,791		lo	Construction
	Feb-97	 			\$1,460,791		I	1	
-		 L		\$900,000	\$2,360,791				

1/18/95

	Funding Requests Received			stimated Funding	}	Priority		
Month	· ·	Amount	Revenues	Available	Remaining	Number	Date Established	Notes
Feb-95				\$3,368,271				Includes Angel Park, MWP, FIS, NPDE
Mar-95			\$900,000	\$4,268,271		Ĩ	*	CONEWIN
Apr-95			\$900,000	\$5,168,271				
May-95			\$900,000	\$6,068,271]		
Jun-95			\$900,000	\$6,968,271				
	Van Buskirk Phase II	6,400,000			\$568,271	1	12/8/94	Construction
Jul-95			\$900,000	\$1,468,271				
Aug-95			\$900,000	\$2,368,271				
Sep-95			\$900,000	\$3,268,271		1		
Oct-95			\$900,000	\$4,168,271			,	
Nov-95	·		\$900,000	\$5,068,271				
Dec-95			\$900,000	\$5,968,271				
	Equestrian Detention Basin	5,800,000			\$168,271	2	1/12/95	Construction
Jan-96			\$900,000	\$1,068,271				
Feb-96		İ	\$900,000	\$1,968,271				
	Muddy River West Levee	1,650,000			\$318,271	3	1/12/95	ROW
Mar-96			\$900,000	\$1,218,271				
Apr-96			\$900,000	\$2,118,271				
	Angel Park Det. Basin	1,650,000			\$468,271			Construction
May-96			\$900,000	\$1,368,271			i	
Jun-96			\$900,000	\$2,268,271				

12/12/94

	Funding Requests Received		E	stimated Funding		Priority		
Month		Amount	Revenues	Available	Remaining	Number	Date Established	Notes
Jan-95				\$2,879,112	_			
Feb-95			\$900,000	\$3,779,112		1		
Mar-95			\$900,000	\$4,679,112				
Apr-95			\$900,000	\$5,579,112				
May-95			\$900,000	\$6,479,112				
	Van Buskirk Phase II	6,400,000			\$79,112	1	12/8/94	Construction
Jun-95			\$900,000	\$979,112			·	
Jul-95			\$900,000	\$1,879,112				
Aug-95			\$900,000	\$2,779,112				
Sep-95			\$900,000	\$3,679,112				
Oct-95			\$900,000	\$4,579,112				
Nov-95			\$900,000	\$5,479,112				
Dec-95	. /	5,800,000	\$900,000	\$6,379,112				
	Equestrian Detention Basin	5,700,000	<u> </u>		\$679,112			Construction
Jan-96			\$900,000	\$1,579,112	:			
Feb-96	1 ' I	-1,850,000	\$900,000	\$2,479,112				<i>'</i>
	Muddy River West Levee	-1,650,000			\$829,112			ROW
Mar-96			\$900,000	\$1,729,112				
Apr-96			\$900,000	\$2,629,112				
May-96			\$900,000	\$3,529,112				
Jun-96			\$900,000	\$4,429,112				

Joe, PLEASE NOTE

2/12/94

<u> </u>		Priority		pnib n ufi betembe	3		Funding Requests Received	-track!
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BetoN	Date Established	10.00000		\$2,879,112				36-uer
				\$11,677,5\$	000'006\$			Feb-95
•	l	l		\$4,679,112	000'006\$			26-18M
	1	l	<u> </u>	\$11,678,28	000'006\$			26-1dA
				\$6,479,112	000'006\$	000 007 \$	Van Buskirk Phase II	26-ysM
Construction	12/8/54	į i	\$79,112			000,004,8		36-unr
	})		\$11,6764	000'006\$	 		96-Inr
	1	!		\$11,878,11	000'006\$	 		36-8nA
	i	i		\$11,977,2\$	000,000\$	 		S6-deS
		i		\$11,678,5\$	000,000\$			26-1 ₀ O
	}	1		\$11,678,48	000'006\$	 		GE-NON
				211,674,8\$	000'006\$			26-00Q
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oustruction	1	1		\$11,674,18	000'006\$			36-net
	1	1		\$2,379,112	000'006\$	1,650,000	Muddy River West Leves	96- 99- 1
wo	ษ	1	\$729,112	211 959 18	000'006\$			86-18M
	į	1	 	\$11,629,112	000,000\$			86-1qA
	1	ł	 	\$2,529,112				86-YBM
	1	-		\$3,429,112				86-nuL
	•	- 1	3	\$4,329,112	000'006\$			

9/15/94

	Funding Requests Received			etimated Fundin	8	Priority		
Month		Amount	Revenues	Available	Remaining	Number	Date Established	Notes .
Oct-94				\$6,716,274				Includes LV MWP, Sloan reduction,
	Washington - Lena to Eastern	\$5,384,500			\$1,331,774	1	1/13/93	94 MWP Closeouts & Project closeouts
Nov-94			\$596,786	\$1,928,560]		
	Oakey Detention Basin	\$1,513,000	-	• •	\$415,560	2	3/10/94	
Dec-94			\$596,786	\$1,012,346		1		
Jan-95			\$596,786	\$1,609,132		1		
	2nd Supp. Lower Duck Creek	\$1,200,000		,===,,==	\$409,132	3	4/14/94	,
Feb-95			\$596,786	\$1,005,918				/
Mar-95			\$596,786	\$1,602,704		1		
Apr-95			\$596,786	\$2,199,490				/
May-95			\$596,786	\$2,798,276				/
Jun-95			\$596,786	\$3,393,062]		
Jul-95			\$596,786	\$3,989,848				
Aug-95			\$596,786	\$4,586,634		1		
Sep-95			\$596,786	\$5,183,420		1		
Oct-95			\$596,786	\$5,780,206			1	
Nov-95			\$596,786	\$6,376,992				
Dec-95			\$596,786	\$6,973,778			i	

missed coming of Age by 469,107.
LU mul Requests were 4476,000

Project Priority and Estimated Funding Schedule

9/14/94

	Funding Requests Received	Amount	Estimated Funding			Priority		
Month			Revenues	Available	Remaining	Number	Date Established	Notes
Oct-94				\$4,660,095				includes LV MWP request
Nov-94		·	\$596,786	\$5,256,881		1		
Dec-94			\$596,786	\$5,853,667				
	Washington - Lena to Eastern	\$5,384,500			\$469,167	1	1/13/93	
Jan-95			\$596,786	\$1,065,953				•
Feb-95			\$596,786	\$1,662,739				
	Oakey Detention Basin	\$1,513,000			\$149,739	2	3/10/94	
Mar-95			\$596,786	\$746,525				
Apr-95	·		\$596,786	\$1,343,311				
	2nd Supp. Lower Duck Creek	\$1,200,000			\$143,311	3	4/14/94	
May-95			\$596,786	\$740,097				
Jun-95			\$596,786	\$1,336,883				
Jul-95			\$596,786	\$1,933,669				
Aug-95			\$596,786	\$2,530,455				
Sep-95			\$596,786	\$3,127,241				
Oct-95			\$596,786	\$3,724,027				
Nov-95			\$596,786	\$4,320,813				
Dec-95			\$596,786	\$4,917,599		- 1		

Project Priority and Estimated Funding Schedule

7/27/94

	Funding Requests Received			Estimated Funding		Priority		
_Month		Amount	Revenues	Available	Remaining	Number	Date Established	Notes
Aug-94			\$596,786	\$3,630,162				\$12,800 for Cam-10 taken out
Sep-94		-	\$596,786	\$4,226,948				and U.S. Geological Survey
Oct-94			\$596,786	\$4,823,734				
Nov-94			\$596,786	\$5,420,520				
	Washington - Lena to Eastern	\$5,384,500			\$36,020	1	1/13/93	Construction
Dec-94			\$596,786	\$632,806	1			
Jan-95			\$596,786	\$1,229,592				
Feb-95			\$596,786	\$1,826,378				
	Oakey Detention Basin	\$1,513,000			\$313,378	2	3/10/94	Construction
Mar-95			\$596,786	\$910,164				
Apr-95			\$596,786	\$1,506,950	·			
	2nd Supp. Lower Duck Creek	\$1,200,000		•	\$306,950	3	4/14/94	ROW
May-95			\$596,786	\$903,736				
Jun-95			\$596,786	\$1,500,522				
Jul-95			\$596,786	\$2,097,308				
Aug-95			\$596,786	\$2,694,094				
Sep-95			\$596,786	\$3,290,880				
Oct-95			\$596,786	\$3,887,666				
Nov-95			\$596,786	\$4,484,452				
Dec-95			\$596,786	\$5,081,238				

Projects remaining on FY 93/94 Project L	et	
Mission Hills Collection Sys.	\$1,118,000	R-O-W
Angel Park Expansion	\$100,000	Construction
Goodsprings	\$303,000	Construction
Bunkerville	\$297,000	Design
Muddy River Levee	\$1,800,000	_R-O-W
Total	\$3,618,000	
Funds Available	\$0	•
Funding (Shortfall)/Overage	(\$3,618,000)	

[•] Funding is prioritized for other projects

Project Priority and Estimated Funding Schedule

7/19/94

	Funding Requests Received		1	stimated Funding		Priority		
Month		Amount	Revenues	Available	Remaining	Number	Date Established	Notes
Aug-94			\$596,786	\$3,742,662				\$12,800 for Cam-10 taken out
Sep-94			\$596,786	\$4,339,448				
Oct-94			\$596,786	\$4,936,234				
Nov-94			\$596,786	\$5,533,020				
	Washington - Lena to Eastern	\$5,384,500			\$148,520	1	1/13/93	Construction
Dec-94			\$596,786	\$745,306				
Jan-95			\$596,786	\$1,342,092				
Feb-95			\$596,786	\$1,938,878				
	Oakey Detention Basin	\$1,513,000	-		\$425,878	2	3/10/94	Construction
Mar-95		i.	\$596,786	\$1,022,664				
Apr-95	·		\$596,786	\$1,619,450				
	2nd Supp. Lower Duck Creek	\$1,200,000			\$419,450	3	4/14/94	ROW
May-95			\$596,786	\$1,016,236				·
Jun-95			\$596,786	\$1,613,022				
Jul-95			\$596,786	\$2,209,808				
Aug-95			\$596,786	\$2,806,594				
Sep-95			\$596,786	\$3,403,380				
Oct-95			\$596,786	\$4,000,166		.		
Nov-95			\$596,786	\$4,596,952		į		
Dec-95			\$596,786	\$5,193,738]	i		

Projects re	emaining on FY 93/94 Project Li	iet	
	Mission Hills Collection Sys.	\$1,118,000	R-O-W
	Angel Park Expansion	\$100,000	Construction
	Goodsprings	\$303,000	Construction
ĺ	Bunkerville	\$297,000	Design
İ	Muddy River Levee	\$1,800,000	R-O-W
	Total	\$3,618,000	•
	Funds Available	\$0	•
	Funding (Shortfall)/Overage	(\$3,618,000)	

^{*} Funding is prioritized for other projects

From 1990 Accomplishment & Studesic Plan for 1991

92/93 MOAPA
93/94 CANGHUN
94/95 Boulder City
95/96 Can Vegor Valley
96/97 Mosq Jite / Bunkerville
97/98 MOAPA & Duilying Arous

92/93 MORPA (MORPA VOLLE), MORPA, Glendele)
93/94 CONGHIN

194/95 BUNKER VILLE / MESQUITE

95/96 CAS VEGAS Valley

96/90 BOULDER CITY / OUTLYING AREAS &

96/90 MORPA (BEGINS TO REPERS Cycle)

& O-TYLING HARMS Faclodes JEAN, ScORM, Statelino, Godfones, Semistiches,
Nesde, Japan Spaints & odlas?

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

PRIORITIZATION OF PROJECTS, 10-YEAR CONSTRUCTION PROGRAM AND FISCAL YEAR 1994/95 PROJECT LIST

RECOMMENDATION SUMMARY

STAFF:

Approve.

TECHNICAL ADVISORY:

Approve.

CITIZENS ADVISORY:

Approve.

RFCD AGENDA ITEM # 14 Date: 07/14/94

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 1994/1995 PROJECT LIST

PETITIONER:

GALE WM. FRASER, II, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

APPROVE PROJECT PRIORITIZATION, TEN-YEAR CONSTRUCTION PROGRAM AND FISCAL YEAR 1994/1995 PROJECT LIST

FISCAL IMPACT:

None.

Approval does not commit the District to provide funding. No funding is committed until approval by interlocal contract.

BACKGROUND:

On August 11, 1993, the Board approved the Prioritization of Projects in the Las Vegas Valley, the Ten-Year Construction Program (FY 1993/1994 through FY 2002/2003) and the Fiscal Year 1993/1994 Project List. The lists were subsequently amended by Board action on December 9, 1993, January 13, 1994 and most recently, on March 10, 1994. The lists are required to be reviewed and updated on an annual basis; therefore, the agenda backup includes an update of the Ten-Year period from FY 1994/1995 through FY 2003/2004.

The following exhibits are included in the backup:

Exhibit A - Planning Area Percentages. This exhibit includes costs for all Phase 1 Flood Control Facilities and attributes percentages based upon costs of Phase 1 Flood Control Facilities for each planning area. This exhibit is unchanged from that which was presented to the Board on June 11, 1992.

TAC AGENDA ITEM # 03 Date: 5/26/94 RFCD AGENDA ITEM # 14

Date: 7/14/94

TAC AGENDA ITEM #03 DATE: 6/30/94

Exhibit B - Priority Values, Additions to the 10-Year Program. This exhibit summarizes revised priority values and new priority values for projects to be added as Phase I. All other priority values assigned to flood control facilities in the Las Vegas Valley remain unchanged. Those priority values and subsequent changes were approved by the Board on June 11, 1992.

Exhibit C - Ten-Year Construction Program. This exhibit is the 10-Year Construction Program for the FY 94/95 through FY 03/04 period. The requested changes and/or additions by the entities have been included in the 10-Year Program. In addition, the proposed 10-Year Program includes \$50,626,778 for the Local Share required for involvement in the U.S. Army Corps of Engineers Tropicana/Flamingo Washes project. The estimated cash flow for the 10 year period is shown at the bottom of the last two pages of this exhibit. The 10-Year program totals \$178,452,778 and estimated revenues total \$188,656,098. Revenue estimates are based on a 3.0% increase per year from FY 93/94.

Exhibit D - Summary of Funding. - This exhibit is a summary of funding encumbered or requested through May 17, 1994; remaining funding programmed on the Bond Project List; and funding requested on the 10-Year Construction Program. Based on percentages of Phase 1 Flood Control Facilities identified on Exhibit A, this exhibit demonstrates the present funding level for each planning area and indicates which planning area is over or under the programmed funding at the end of the 10-Year Program (FY 03/04).

Respectfully submitted,

Gale Wm. Fraser, II, P.E.

General Manager/Chief Engineer

TAC AGENDA ITEM # 03 Date: 05/26/94

RFCD AGENDA ITEM #14 Date: 7/14/94

TAC AGENDA ITEM #03

DATE: 06/30/94

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Regional Flood Control District AGENDA ITEM DEVELOPMENT

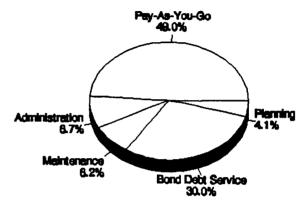
Staff Discussion:	Date: 07/05/94								
PRIORITIZATION OF PROJECTS, 10-YEAR CONSTRUCTION PROGRAM 1994/95 PROJECT LIST	AND FISCAL YEAR								
On August 11, 1993, the Board approved the Prioritization of Projects in the Las Vegas Valley, the Ten-Year Construction Program (FY 1993/1994 through FY 2002/2003) and the Fiscal Year 1993/1994 Project List. The lists were subsequently amended by Board action on December 9, 1993, January 13, 1994 and most recently, on March 10, 1994. The lists are required to be reviewed and updated on an annual basis; therefore, the agenda backup includes an update of the 10-Year period from FY 1994/1995 through FY 2003/2004.									
The update of the Prioritization of Projects, the 10-Year Construction Program and Fiscal Year 1994/1995 Project List included in the backup was developed from information submitted by the affected entities.									
Staff Recommendation:									
Approval of:									
 The revised and new priority values; The 10-Year Construction Plan as presented; and The FY 1994/95 Project List. 									
Discussion by Technical Advisory Committee:	AGENDA #3 Date: 06/30/94								
Recommendation:									
Approve.									
Discussion by Citizens Advisory Committee:	AGENDA #3 Date: 07/05/94								
Recommendation:									
Approve.									

0714ten.aid

Background:

The proposed 10-Year Construction Program for the period from Fiscal Year 1995 through Fiscal Year 2004 is attached for your review and

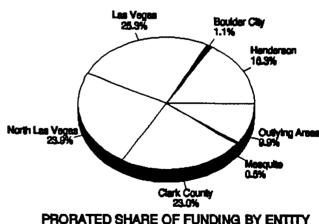
approval. The construction program revenues are derived from the 1/4% sales tax and interest revenues commonly known as the Pay-As-You-Go program. Revenues for the construction program, based upon an approximate 3% annual increase for the 10-year period, are estimated to be \$188,656,098. This amount does not include the District operating budget, bond debt service, and operation and maintenance of flood control facilities. A pie chart representing the expenditures for a typical fiscal year is depicted on the riaht.



TYPICAL ALLOCATION OF REVENUES

The target funding percentages for each hydrographic area were established based on a proportionate share of the costs of Phase 1 flood control facilities identified in the Master Plan. The Phase 1 costs were

obtained from the various Master Plan updates that have been completed. Exhibit A, included in the backup, shows the costs of Phase 1 flood control facilities by entity (hydrographic area). The pie chart shown on the right indicates 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 Plan.



PROPATED SHARE OF FUNDING BY ENTITY
BASED ON MASTER PLAN

Since May 1987, the date the first 1/4% sales tax revenues were received, through April 1994, the District has funded projects totalling approximately \$198,000,000. The \$198,000,000 also includes the \$80,000,000 in general obligation bonds, secured by sales tax revenue, which were sold in November 1991. The District has also expedited funding for projects located in Boulder City and Mesquite in order to complete their larger projects which would have taken years for the funding to accrue at the percentages shown above.

Project Prioritization:

Annually, during review and development of the 10-Year Program, the relative priority of Master Plan projects are reviewed and the priority of any new projects are assessed. Exhibit B, included in the backup, tabulates the priority values for the flood control facilities which have been revised by the entities to reflect current conditions or for projects requested to be added to the program. Exhibit B also presents the criteria used in the evaluation of projects as prescribed in the District Policies and Procedures Section 2.6. During the development of the program this year, four new projects have been requested. They are:

Pittman Park Detention Basin - This is an addition to the 10-Year Program. Within the Pittman hydrographic area, this project is located on City of Henderson Property just downstream of the UPRR bridge. It is necessary to control flows to the lower Pittman Channel. The Facility is planned as a 62 acre-foot offline detention basin. Estimated cost is \$5,850,000. This project was previously assigned a priority value of 96.0 when it was included with the Channel from Sunset to the UPRR. Now evaluated on its own, it has been assigned a priority value of 90.5.

Duck Creek Channel, Sunset to Newport Village - This is an addition to the 10-Year Program. This project, within the Duck Creek hydrographic area, will consist of a 50 foot wide gabion lined channel extending approximately 1,100 feet upstream from Sunset Road. In an area subject to repeated maintenance, this short reach will complete a segment of the Duck Creek through a highly urbanized area. The estimated cost is \$561,300. The overall reach of the Duck Creek from Mountain Vista to the UPRR was previously prioritized by Clark County for the Southwest Las Vegas Valley and

assigned a value of 72.0. The City of Henderson has calculated a priority value of 80.5 for this portion of the Duck Creek alone.

East C-1 Detention Basin - This is an addition to the 10-Year Program. This detention basin, within the C-1 hydrographic area, is located in a narrow canyon above an alluvial fan east of Henderson. A 48 inch diameter outlet will reduce a 2,400 cfs inflow to 400 cfs. The estimated cost is \$1,630,000. This project was previously assigned a priority value of 60.5. The recommended priority value has been recalculated at 74.5.

Lone Mountain Detention Basin Ph. 1 - This is an addition to the 10-Year Program. This facility lies at the southern base of Lone Mountain within the Gowan hydrographic area. There is a considerable interest on the part of a group of developers to participate in the cost of construction of this detention basin. On April 14, 1994 the Board approved a Resolution Of Intent (ROI) to consider applying unexpended funds from several other completed projects toward participation with the developers in the construction of an initial phase of this detention basin. The ROI identifies \$1,269,000 which could be provided from the District. estimated total cost of the project is \$5,000,000. This project was previously prioritized with a value of 76.5. The recommended priority value has been recalculated at 111.5.

Several other projects which appeared on the previous 10-Year Construction Program have had their priority values re-evaluated. These projects are listed below:

Sunset Detention Basin, Collection and Outfall System - This flood control facility consist of lined and unlined channels which extend from the Las Vegas Wash to the center of Henderson with a detention basin generally located south of the intersection of Boulder Highway and Sunset Road within the Pittman hydrographic area. A facilities study is being completed to further define the optimum system for implementation. The project was previously assigned a priority value of 105.5 which has been recalculated at 92.5.

Southwest C-1 Detention Basin (Black Mountain) - This basin will control runoff from the southwest area of the C-1 Channel System to be delivered to the Mission Hills Detention Basin. The project was previously assigned a priority value of 103.5 which has been recalculated at 93.0.

<u>C-1 Channel Middle Reach (Drake to RR)</u> - This project includes lining of the existing earthen channel for erosion protection and a new bridge at Horizon Drive. The project was previously assigned a priority value of 96.5 which has been recalculated at 80.0.

I-15 Freeway Channel South, Sahara Avenue to Charleston - This project is located within the Central hydrographic area and consists of a triple celled 9' X 13' reinforced box stormdrain. It will provide a conveyance for stormwater that is tributary to the Charleston underpass. The estimated cost of this facility is \$1,492,000. Previously prioritized under the heading of the Phase 1 Charleston Underpass Solution/Freeway Conveyance it was assigned a value of 98.5. The recommended revised priority value for this reach alone is 93.5.

Sloan Channel (Las Vegas Wash - Confluence Detention Basin - This project was previously assigned a priority value of 100.0. The recommended priority value has been recalculated at 101.0.

West Tributary Channel (Confluence Detention Basin - Las Vegas Boulevard) - This project was previously assigned a priority value of 84.5. The recommended priority value has been recalculated at 97.0.

West Tributary Channel (Las Vegas Blvd. to UPRR) - This project was previously assigned a priority value of 67.0. The recommended priority value has been recalculated at 90.5.

<u>Lower Las Vegas Wash Detention Basin</u> - This project was previously assigned a priority value of 82.5. The recommended priority value has been recalculated at 93.0.

<u>Sunrise Mountain Detention Basins</u> - This project was previously assigned a priority value of 75.5. The recommended priority value has been recalculated at 93.0.

A Channel (Lake Mead to Las Vegas Blvd.) - This project was previously assigned a priority value of 68.5. The recommended priority value has been recalculated at 90.5.

<u>A Channel (Las Vegas Blvd. to Camino Al Norte)</u> - This project was previously assigned a priority value of 66.5. The recommended priority value has been recalculated at 87.0.

10-Year Construction Program:

The proposed 10-Year Construction Program which totals \$178,452,778 is outlined in the backup on Exhibit C. The location of 10-Year Construction Program projects are shown in the attached map labeled "Las Vegas Valley Ten-Year Construction Program". A summary of the proposed program, along with major accomplishments for each entity follows.

HENDERSON

C-1 Channel, Duck Creek and Pittman Wash Planning Areas

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 Areas". Henderson projects completed or funded for construction since 1987 include:

Bridges over Pittman Wash at Warm Springs Road, Stephanie Street and Green Valley Parkway

Pittman Wash (improved from Stephanie Street to Robindale Road Phase I and II)

Pittman Wash Phase IIIA from Stephanie Street to I-515 (under construction)

Union Pacific Railroad Channel, (located along the railroad from Pittman Wash to Eastern Avenue was recently completed)

Mission Hills Detention Basin Project (construction nearing completion)

C-1 Channel from Lake Mead to Drake, (construction contract awarded)

District funding since 1987 for the projects plus design efforts on future projects total approximately \$24,633,000.

The projects proposed on the 10-Year Construction Program include the following:

Mission Hills Western Diversion - This project will increase the contributing drainage area to the Mission Hills Detention Basin. The design and right-of-way acquisition is underway with construction funding programmed in FY 96/97. The total programmed for this facility is approximately \$5.5 million.

Equestrian Drive Detention Basin and Collection System - This project is located in the southeast area of Henderson. The design and right-of-way acquisition is underway with construction funding in FY 94/95. Approximately \$4.3 million is programmed for this facility.

<u>Southwest C-1 Detention Basin</u> - This basin will control runoff from the southwest area of the C-1 Channel System. Design and right-of-way engineering is programmed in FY 96/97 with construction the following year. This project is generally located at the base of Black Mountain. The total programmed for this flood control facility is approximately \$3.4 million.

<u>Sunset Detention Basin</u> - This flood control facility is generally located south of the intersection of Boulder Highway and Sunset Road. Design is expected in FY 98/99 with construction occurring the following year. The amount for this flood control facility is \$6.4 million.

C-1 Channel - Middle Reach (Drake to RR) - The design of the improvements to the middle reach of the C-1 Channel is programmed in FY 02/03 with improvements occurring in the following year. Funding programmed for this flood control facility totals approximately \$5.2 million.

Pittman Park Detention Basin - An addition to the 10-Year program, this project is located just downstream of the UPRR at the upstream end of the existing lower Pittman Channel. It is at an existing sports park site and much of the excavation will soon be completed. Design funding is programmed in FY 00/01 with construction occurring in the following year. The 10-Year program includes approximately \$0.6 million for this project.

<u>Duck Creek Channel - Sunset to Newport Village - An addition to the 10-Year program, design in the amount of \$56,000 for this channel reach, extending approximately 1,100 feet upstream from Sunset Road, is programmed in FY 00/01 with \$504,000 programmed for construction in the following year.</u>

East C-1 Detention Basin - An addition to the 10-Year program, this basin controls the watershed upstream of the largest alluvial fan in east of Henderson and is ideally situated in a narrow canyon. Design and construction are programmed for year 10; FY 03/04.

The funding programmed for the C-1 Channel, Duck Creek and Pittman Wash Planning Areas in Henderson total approximately \$27.5 million on the 10-Year Construction Program .

Las Vegas Central Basin Planning Area and Gowan Planning Area

A summary of the proposed program, along with major accomplishments for the City of Las Vegas is shown on the attached map labeled "Gowan and Central Basin Planning Areas". City of Las Vegas projects completed or funded for construction since 1987 include:

Meadows Detention Basin and Collection System

Durango Drive Storm Drain (located between Charleston Boulevard and Angel Park Detention Basin)

Angel Park Outfall Storm Drain (located in Vegas Drive between Angel Park Detention Basin and the Buffalo Channel)

Buffalo Channel between Gowan Detention Basin and Doe Avenue Gowan Detention Basins

Gowan Detention Basin Outfall (storm drain located in Gowan Road between Tenaya Way and Decatur Boulevard)

Carey Avenue/Lake Mead Detention Basin and Conveyance System (located along Lake Mead Boulevard between I-15 and Michael Way)

Oakey Boulevard Detention Basin and Outfall (Nearing completion) I-15 Freeway Channel (being constructed as part of the I-15/Sahara Avenue Interchange project)

Washington Avenue System (Las Vegas Creek from Las Vegas Wash along Sandhill Road to Washington Avenue then along Washington Avenue to Virgil (Complete); Virgil to Lena Street (Under construction); Lena to Eastern Prioritzed for funding projected to be available in the latter part of 1994

Alta Stormdrain part of the Meadows Detention Basin Collection System (Completed)

Cheyenne Crossings developer participation project at Rampart, Soft Breezes and Soaring Gulls (Under construction)

Rampart stormdrain in conjunction with REC (Under construction). Cheyenne Channel Gowan South Detention Basin to Buffalo Drive (Under construction).

District funding since 1987 for the projects plus design efforts on future projects total approximately \$54,103,000.

The projects proposed on the 10-Year Construction Program include the following:

Angel Park Detention Basin Expansion - The existing Angel Park Detention Basin will be expanded to provide more flow reduction and flood protection to the downstream system. The basin is presently being expanded at a minimal cost to the District by the efforts of the City of Las Vegas and the Bureau of Land Management through sales of material at the site. The \$100,000 programmed in FY 94/95 further ensures that material will continue to be exported from the basin site.

Washington Avenue/ I-15 Freeway Channel South System - This System, including the drainage of the Charleston Underpass, will maior improvements undergo during the next Construction and design funding is programmed in all ten years of the proposed 10-Year Construction Program. It is anticipated that Washington Avenue from Lena Street to the Spaghetti Bowl (I-15/I-515 Interchange) will be constructed along with the collection system from Charleston Boulevard to the Spaghetti Bowl. segment north of Charleston Boulevard will collect most of the flows that presently inundate the Charleston Underpass. system necessary to collect these flows (Freeway Channel South) is programmed for design in FY 01/02 and construction in 02/03. The total funding programmed for this system is approximately \$24.9 million.

Oakey Detention Basin Collection System - This project will extend and improve the collection system from Rainbow Boulevard to Sahara Avenue. The project is programmed for construction funding in FY 94/95 in the amount of approximately \$1.513 million.

Gowan North Channel - This project originates at the Gowan Detention Basin and extends to the northwest of the basin. The project will collect flow from an area that otherwise may bypass the basins; thereby improving the effectiveness of the Gowan Detention Basin Project. Design of the reach from the detention basins to Lone Mountain Road is programmed to begin in FY 95/96 with construction to be completed throughout a 10 year period. The project from Lone Mountain Road to the CAM-10 detention basin is

programmed for design in FY 03/04. Total funding programmed for this flood control facility is approximately \$5.3 million.

Freeway Channel North - This project is located west of I-15 and is comprised of a storm drain in Washington Avenue from I-15 to Martin Luther King Boulevard. This project is expected to coincide with a street improvement project, thereby limiting the District's participation to oversizing of the storm drain. Funding programmed for design in FY 94/95 is \$70,000 and for construction in FY 95/96 is \$700,000.

Owens Avenue System - This project is located west of I-15 and is comprised of a storm drain in Owens Avenue between I-15 and Rancho Drive. It is anticipated that this project will be built as part of a street improvement project, thereby limiting District funding to the oversizing of the storm drain. Design is programmed in FY 96/97 with construction the next year. Total funding programmed for this flood control facility is approximately \$3.0 million.

Lone Mountain Detention Basin Phase 1 - An addition to the 10-Year program, this facility lies at the southern base of Lone Mountain. There is a considerable interest on the part of a group of developers to participate in the cost of construction of this detention basin. On April 14, 1994 the Board approved a Resolution Of Intent (ROI) to consider applying unexpended funds from several other completed projects toward participation with the developers in the construction of an initial phase of this detention basin. The ROI identifies \$1,269,000 which could be provided from the District and which is programmed for construction in FY 94/95. The estimated total cost of the project is \$5,000,000.

<u>Colorado Avenue System</u> - This facility consists of a stormdrain located in Colorado Avenue approximately 1300 feet south of Charleston from the Las Vegas Wash to I-515. Design is programmed at \$900,000 in FY 03/04.

The Central Basin and Gowan Planning Areas (Las Vegas) of the 10-Year Construction Program total \$37.9 million.

North Las Vegas

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 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 "Northern Las Vegas, Range, and Lower Las Vegas Wash Planning Areas". Projects completed or funded for construction since 1987 include:

- Western Tributary of the Las Vegas Wash from Alexander Road to north of Craig Road
- Las Vegas Wash Improvements and King Charles Diversion project from I-15 to Craig Road
- West Range Wash Diversion Dike (nearing completion)
- Camino Al Norte Crossing of the Western Tributary of the Las Vegas Wash (first developer participation contract with the District)
- Gowan Outfall project from Decatur Boulevard to the Western Tributary of the Las Vegas Wash
- Upper Las Vegas Wash Detention Basin and Diversion Dike project (located on the Las Vegas Wash at the upstream area of the Las Vegas Valley)
- Kyle Canyon Detention Basin (construction underway)
- Phase 1 Confluence Detention Basin NAFB Golf Course Channel (Nearing Completion)
- Sloan Channel (Range Wash) Stewart to Owens (Start Construction This Summer)

District funds since 1987 for the projects plus design efforts on future projects total approximately \$57,220,000.

Projects proposed on the 10-Year Construction Program include the following:

Sloan Channel (Range Wash) Improvements - The Sloan Channel Improvement project extends from the Las Vegas Wash northerly to Stewart Avenue. Design has already been funded and construction funding is programmed in FY 02/03. The total amount programmed for this flood control facility is approximately \$6.0 million.

Western Tributary of the Range Wash - This project is consists of channel improvements to the western tributary of the Range Wash (Sloan Channel) from Nellis AFB to the Union Pacific Railroad (UPRR) located upstream of Las Vegas Boulevard. Design of the reach below Las Vegas Boulevard is programmed in FY 94/95 with construction in the following year. Design of the reach from Las Vegas Boulevard to the UPRR is programmed in FY 99/00 with construction in the following year. The amount programmed for this flood control facility totals approximately \$9.0 million.

Range Wash Confluence Detention Basin - This project involves construction of the detention basin served by the NAFB golf Course Channel. The project is located at the upstream end of the Sloan Channel (Range Wash). The project is identified for funding on the Bond List; therefore, no funding is programmed from Pay-As-You-Go funds. Design and right-of-way acquisition are nearly completed and construction is expected to begin within the next year.

<u>Sunrise Mountain Detention Basin</u> - This project includes four detention basins located east of the Range Wash (Sloan Channel) between Lake Mead Drive and Stewart Avenue. The design and right-of-way for these flood control facilities is programmed in FY 01/02. The total amount programmed is \$940,000.

Lower Las Vegas Wash Detention Basin - This detention basin is located on the Western Tributary of the Las Vegas Wash near the intersection of Ann Road and Allen Lane. Engineering is programmed in FY 94/95 with construction scheduled in the

following year. The total amount programmed for this flood control facility is \$4.0 million.

Las Vegas Wash - The improvements to the Las Vegas Wash between Lake Mead Drive and Camino Al Norte are included in the program. Design of the reach below Las Vegas Boulevard is programmed in FY 96/97 with construction in the following two years. Design of the reach above Las Vegas Boulevard is programmed in FY 01/02 with construction in the last two years of the program. The amount programmed for this flood control facility is approximately \$12.0 million.

The Northern Las Vegas Wash, Range Wash and Lower Las Vegas Wash Planning Areas (North Las Vegas) of the 10-Year Construction Program total approximately \$31.8 million.

Clark County Duck Creek/Blue Diamond Planning Area Tropicana/Flamingo Planning Area

A summary of the proposed program, along with major accomplishments for Clark County is shown on the attached map labeled "Flamingo, Tropicana, Duck Creek, and Blue Diamond Planning Areas". Projects completed or funded for construction since 1987 include:

Upper Flamingo Detention Basin and Outfall

Rawhide Channel System

Van Buskirk Channel System (the majority of system complete)

Winnick Avenue Improvements of the Flamingo Wash (under construction)

Tomiyasu and La Casita crossings of Duck Creek (currently under construction)

Flamingo Wash Bridges - Arville, Eastern, Paradise, Palos Verdes

District funding since 1987 for the projects plus design efforts of future projects total approximately \$39,953,000.

The projects proposed on the 10-Year Construction Program include the following:

Corps of Engineer's (COE) Tropicana/Flamingo Project - The Program includes approximately \$50,627,000 in the first eight years to make up the Local Share at 25% to match the COE funding at 75%. The project includes the Tropicana and Blue Diamond detention basins; enlargement of the Red Rock and Upper Flamingo detention basins; four foothill debris basins; and the primary connecting channel network.

Lower Duck Creek Detention Basin - This project is located south of the intersection of Pebble Road and Bermuda Road. The remaining \$1.2 million for right-of-way acquisition funding is programmed in FY 94/95 in keeping with the Board's prioritization on April 14, 1994. Construction is programmed in the final year of the Program in the amount of \$6.4 million and may be accelerated in the event

that COE funding is delayed. The total programmed for this detention basin is approximately \$7.6 millon.

Van Buskirk Phase II - This project consists of a double 8' X 8' reinforced box stormdrain to the Flamingo wash from Hildebrand/Rochelle. Design is nearing completion and right-of-way is substantially acquired. This is in accordance with the Master Plan Amendment approved by the Board on November 15, 1993. Funds are programmed in FY 94/95 in the amount of \$4.8 million to augment Bond funds allocated to construction of the Van Buskirk System.

The Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Areas (Clark County) of the 10-Year Construction Program total approximately \$63,019,000.

Clark County Outlying Areas

Projects funded by the District in the Outlying Areas since 1987 include:

Cooper Crossing in Moapa Valley
Logan (Benson) Wash Improvements in Moapa Valley
Unnamed Wash Improvements in Laughlin (Nearing completion)
Searchlight (to begin construction this summer)

District funding for the projects plus the design of future projects total approximately \$11,340,000.

The projects proposed on the 10-Year Construction Program for the Outlying Areas include the following:

Goodsprings Improvements - This project consists of a diversion dike and channel improvements for Goodsprings, Nevada. The design and partial construction has been funded previously and additional construction funding is proposed in FY 95/96 in the amount of \$500,000.

Bunkerville Improvements - This project as proposed, is a channel through the town. The Bunkerville Town Advisory Board has expressed a desire to have a detention basin and conveyance system in lieu of the proposed project. These concerns will be addressed in an upcoming Master Plan Update. The design has been previously funded and additional construction funding is proposed in FY 95/96 in the amount of \$1,591,000.

Muddy River West Levee in Moapa Valley - This project consists of a levee system along the west side of the Muddy River in Moapa Valley. Design was funded in a previous fiscal year. FY 94/95 includes \$1,800,000 for right-of-way and FY 97/98 and FY 98/99 includes \$2,735,000 for construction funding.

Overton Wash Improvements in Moapa Valley - The project has a total of \$2,036,000 programmed for design and construction in FY 97/98 through Fy 99/00.

Blue Diamond Improvements - This project includes a dike and modifications to an existing bridge in Blue Diamond. Design and construction are programmed in FY 99/00 in the amount of \$250,000.

Bridge Canyon Floodway and Outfall in Laughlin - This project consists of a collection and diversion channel from the apex of the Bridge Canyon alluvial fan to the Colorado River. The Master Plan cost estimate for these flood control facilities is \$9,250,000. The 10-Year Construction Program proposes design in FY 99/00 in the amount of \$628,000 and construction funding is proposed from FY 00/01 through FY 03/04 in the amount of \$7,557,000. The construction funding programmed is less than the Master Plan estimated costs for this flood control facility. This project, due to its size and complexity, may require that funding be expedited in the latter years of the 10-Year Construction Program.

Hiko Springs Detention Basin in Laughlin - Funding in the amount of \$1,000,000 is programmed in FY 94/95. This funding is provided by the Board approved Resolution Of Intent and is contingent upon the availability of unexpended portions of the funding for the Unnamed Wash Improvements. Any unexpended funds toward the developer funded Hiko Springs project.

Indian Springs Improvements - The project includes two diversion dikes and a bridge to provide flood control to Indian Springs. The design is programmed in FY 00/01 in the amount of \$90,000.

The Outlying Area of the 10-Year Construction Program totals approximately \$18,187,000.

Boulder City

Projects completed since 1987 include:

Buchanan Boulevard Channel Georgia Avenue Channel Hemenway Wash Improvements

These projects total approximately \$6,687,000 in District funding. The Hemenway Wash Improvements project cost was \$5,516,000. In order to complete this sizable project in a timely manner, the funding was expedited. Due to the expedited funding for projects in Boulder City, along with the percentage of Phase 1 Flood Control Facilities, no additional projects are proposed on the 10-Year Construction Program.

Mesquite

The Town Wash Detention Basin was funded by the District in previous years. This project totalled approximately \$4,362,000. In order to complete this sizable project in a timely manner, the funding was expedited. Due to the expedited funding for the Town Wash Detention Basin Project, along with Mesquite's percentage of Phase 1 Flood Control Facilities, no additional projects are proposed on the 10-Year Construction Program.

FY 94/95 Project List:

The first year of the 10-Year Construction Program comprises the recommended FY 94/95 Project List. The project list totals \$32,033,000 and is funded from the estimated 1/4% sales tax revenue, a carry over amount from the previous fiscal year and funds remaining from the Unnamed Wash project and several Gowan area projects in keeping with resolutions (94-1 and 94-3) approved by the Board. Projected revenue for the first year is \$21,028,000. As a result, the first year appears to be over-programmed by approximately \$11,000,000. This is due to programming projects already prioritized for funds yet to be accrued and also programming for projects that are close to qualifying to request construction funding. Programming the first year in this manner avoids having to amend the project list once the latter group of projects meets the requirements to request construction funding. Projects not funded this year will be put on subsequent year one priority lists during annual review of the 10-Year Construction program. The proposed FY 94/95 Project List is as follows:

Henderson (C-1 Channel and Pittman Wash Planning Areas):

Equestrian Drive Detention Basin: Construction in the amount of \$4,302,000

Total First Year:

\$4,302,000

Las Vegas (Central Basin and Gowan Planning Areas):

Lone Mountain Detention Basin - Phase 1: Construction in the amount of \$1,269,000 applied toward developer funds in accordance with the conditions of the Resolution of Intent approved by the Board on April 14, 1994.

Angel Park Detention Basin Expansion: \$100,000 is programmed to expedite the expansion of the storage.

Washington Avenue System: \$5,384,000 is programmed for construction of the project as prioritized by the Board on January 13, 1994.

Washington Avenue - Reach 4 (24th Street to F Street): \$600,000 programmed for design.

Oakey Detention Basin and Collection System Phase II: \$1,513,000 is programmed to complete the collection system

Freeway Channel North: \$70,000 programmed for design.

Total First Year:

\$8,936,000

North Las Vegas (Northern Las Vegas Wash, Range Wash and Lower Las **Vegas Wash Planning Areas):**

West Tributary Channel Detention Basin to Las Vegas Boulevard: \$300,000 programmed for design and right-of-way.

Lower Las Vegas Wash Detention Basin: \$800,000 programmed for design and right-of-way.

Total First Year:

\$1,100,000

Clark County (Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Area):

Lower Duck Creek: right-of-way funding in the amount of \$1,200,000 is programmed as prioritized by the Board on April 14, 1994.

Van Buskirk Phase II: \$4,774,000 is programmed for construction to augment Bond funds assigned to the Van Buskirk System.

Corps of Engineer's Tropicana/Flamingo Project: \$8,921,000 is programmed to meet the forecasted demands for local share for the project.

Total First Year: \$14,895,000

Outlying Areas:

Muddy River West Levee: right-of-way acquisition is programmed in the amount of \$1,800,000 for this project in the Moapa Valley.

Hiko Springs Detention Basin: \$1,000,000 programmed in accordance with the conditions of the Resolution of Intent approved by the Board on February 10, 1994.

Total First Year:

\$2,800,000

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EXHIBIT A

Exhibit A

PHASE 1 CONSTRUCTION PROGRAM

	PHASE I CONSTRUCTION PROGRAM	file	e:m:\excel\1mpuper.x	is
			Phase 1	Percent of
Entity	Planning Area		Costs	Phase 1
Hende	rson :			
	C-1 Channel Planning Area (a)		\$27,000,000	
	Pittman Wash Planning Area (c)		\$37,188,000	
		Total	\$64,188,000	16.3%
Las Ve	gas (Central Las Vegas Valley) :			
	Central Basin Planning Area (b)		\$53,560,000	
	Gowan Planning Area (a)		\$45,720,000	
		Total	\$99,280,000	25.3%
North	Las Vegas (Northern Las Vegas Valley) :			
	Nothern Las Vegas Wash Planning Area (a)		\$52,740,000	
	Range Wash Planning Area (a)		\$28,560,000	
	Lower Las Vegas Wash Planning Area (a)		\$12,440,000	
		Total	\$93,740,000	23.9%
Clark	County (Southwest Las Vegas Valley) :			
	Duck Cr/Blue Diamond Planning Area (a)		\$33,000,000	
	Flamingo/Tropicana Planning Area (a)		\$57,440,000	
		Total	\$90,440,000	23.0%
Clark	County (Outlying Area):			
	Outlying Planning Area (f)		\$39,083,000	
		Total	\$39,083,000	9.9%
Bould	er City:			
	Boulder City Planning Area (d)		\$4,220,000	
		Total	\$4,220,000	1.1%
Mesqu	uite :			
·	Mesquite Planning Area (e)		\$2,040,000	
Ì		Total	\$2,040,000	0.59

Notes:

TOTAL

modified by City of Las Vegas

(a) - Phase 1 Construction Program from "The Master Plan Update of the Las Vegas Valley," dated August 1991, by JMM
(b) - Phase 1 Construction Program from "The Master Plan Update of the Las Vegas Valley," dated August 1991, by JMM

\$392,991,000

100.0%

- (c) Phase 1 Construction Program from "The Master Plan Update of the Las Vegas Valley," dated August 1991, by JMM modified by City of Henderson
- (d) Phase 1 Construction Program from "Boulder City Flood Control Master Plan ," dated July 1990, by Coe and Van Loo
- (e) Phase 1 Construction Program from "City of Mesquite Flood Control Master Plan Update," dated October 1991, by CH2M Hill
- (f) Phase 1 Construction Program totals \$39,083,000 for the Outlying Areas from the following sources:
 \$5,310,000 from "Flood Control Master Plan, Moapa Valley, Nevada," dated December 1988, by The Mark Group
 \$1,863,000 from "Flood Control Master Plan, Bunkerville, Nevada," dated May 1990, by The Mark Group
 \$19,800,000 from "Hiko Springs and Unnamed Wash, Laughlin Big Bend Area," dated May 1989, by Boyle
 \$9,640,000 from "Bridge Canyon Wash Flood Control Master Plan," dated September 1990, by Coe and Van Loo
 \$2,470,000 from "Master Plan Update , Outlying Areas," dated September 1991, by G.C. Wallace, the following:

Blue Diamond: \$169,881 Goodsprings: \$352,737 Indian springs: \$594,700 Nelson: \$193,810 Searchlight: \$405,807 Stateline: \$750,892 **EXHIBIT B**

Project Partization (Changes and Additions)



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											\10year\fy94_95\1prior.xis			
	Planning	Project	Рор.	Land	Public	Access	Avoid.	Funding	Relation.	implem.	Environ.	Mainten.	TOTA	<u>L</u>
Facility Description	Area	Cost	val (5.0)	val (4.5)	val (4.0)	val (3.5)	val (3.0)	val (2.5)	val (2.0)	val (1.5)	val (1.0)	val (0.5)	val	
HENDERSON:														
Sunset Detention Basin, Collection	Pittman	\$6,420,000	2	4	4	4	4	3	4	3	1	3	32	
System and Outfall (incl. ROW)	1_		10.0	18.0	16.0	14.0	12.0	7.5	8.0	4.5	1.0	1.5	5	92.
Southwest C-1 Detention Basin (ROW	C-1 Ch.	\$15,000	3	4	4	3	4	3	4	3	2	1	31	
acq.)	1		15.0	18.0	16.0	10.5	12.0	7.5	7.0	4.5	2.0	0.5	·	93.0
C-1 Channel - Middle Reach (Drake	C-1 Ch.	\$5,230,000	3	3	4	2	2	1	4	4	4	4	31	
St RR)	1		15.0	13.5	16.0	7.0	6.0	2.5	8.0	6.0	4.0	2.0	<u> </u>	80.0
Pittman Park Detention Basin	Pittman	\$565,000	2	3	3	4	3	4	5	5	3	3	35	
	1_		10.0	13.5	12.0	14.0	9.0	10.0	10.0	7.5	3.0	1.5		90.5
Duck Creek Channel, Sunset to	Duck Creek	\$560,300	3	3	4	3	2	1	3	3	4	5	31	
Newport Village]		15.0	13.5	16.0	10.5	6.0	2.5	6.0	4.5	4.0	2.5		80.5
East Detention Basin (incl. ROW)	C-1 Ch.	\$1,630,000	2	3	3	4	3	1	2	4	3	3	28	
	1		10.0	13.5	12.0	14.0	9.0	2.5	3.0	6.0	3.0	1.5		74.5
LAS VEGAS (Central Las Vegas Valley) :														
I-15 Freeway Channel	Gowan	\$1,492,000	4	3	5	5	2	2	2	3	1	4	31	
(Sahara Avenue to Charleston)	i i		20.0	13.5	20.0	17.5	6.0	5.0	4.0	4.5	1.0	2.0		93.5
Lone Mountain Detention Basin	Central	\$5,000,000	3	4	4	5	5	5	4	4	2	3	39	
			15.0	18.0	16.0	17.5	15.0	12.5	8.0	6.0	2.0	1.5		111.5
NORTH LAS VEGAS (Northern Las Vega	s Valley) :													******
Sloan Channel (Las Vegas Wash -	Range	\$4,950,000	4	4	3	4	4	3	4	4	2	3	35	
Confluence Det. Basin)			20.0	18.0	12.0	14.0	12.0	7.5	8.0	6.0	2.0	1.5	1 1	101.0
West Tributary Channel (Confluence	Range	\$4,990,000	4	4	3	3	3	4	4	4	2	3		
Det. Basin - Las Vegas Blvd)			20.0	18.0	12.0	10.5	9.0	10.0	8.0	6.0	2.0	1.5		97.0
Lower Las Vegas Wash Detention	N. LV Wash	\$3,990,000	4	4	3	3	3	2	4	4	3	3	33	
Basin (incl. ROW)	1		20.0	18.0	12.0	10.5	9.0	5.0	8.0	6.0	3.0	1.5	1	93.0
Sunrise Moutain Detention Besins	Range	\$940,000	4	4	3	3	3	2	4	4	3	3	33	
(ROW acq.)			20.0	18.0	12.0	10.5	9.0	5.0	8.0	6.0	3.0	1.5	1	93.0
A Channel (Lake Mead - Las Vegas	N. LV Wash	\$5,710,000	3	3	4	4	3	2	4	4	3	2	32	
Blvd)			15.0	13.5	16.0	14.0	9.0	5.0	8.0	6.0	3.0	1.0	l	90.5
West Tributary Channel (Las Vegas	Range	\$4,270,000	3	3	4	4	3	2	4	4	3	2	32	
Blvd - UPRR)		•	15.0	13.5	16.0	14.0	9.0	5.0	8.0	6.0	3.0	1.0		90.5
A Channel (Las Vegas Blvd - Camino	N. LV Wash	\$8,360,000	3	3	3	3	4	4	3	3	2	3	31	
AL Norte)]		15.0	13.5	12.0	10.5	12.0	10.0	6.0	4.5	2.0	1.5		87.0
,														

Notes: Pop. - Population Affected

Land - Assessed Land Value Impacted

Public - Public Perception of Need

Access - Emergency Access & Public Inconvenience

Avoid. - Cost Avoidance

Funding - Availability of Other Funding Sources

Relation. - Interrelationship to Other Projects

Implem. - Timing & Implementation

Environ. - Environmental Enhancement

Maiten. - Annual Maintenance Cost val (no.) - Value from 1 to 5 and factor applied to value PAGE 1 OF 3

The relative priority of Master Plan projects will be assessed annually during review and development of the Fiscal Year Project List and the Ten-Year Program. Any entity may request at any time that a project be placed on the Fiscal Year List or the Ten-Year Program. Any request for a project must include all necessary data to allow the Technical Advisory Committee and District staff to evaluate the project in terms of the following criteria:

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) <u>Timing and Implementation</u>

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.

i) 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.

EXHIBIT C



POSSIBLE IMPACTS TO THE
10-YEAR CONSTRUCTION PROGRAM
DUE TO PARTICIPATION WITH THE CORPS OF ENGINEERS
ON THE TROPICANA/FLAMINGO PROJECT

					FY 94/9!	5	FY 95/96 FY 96/		FY 96/9	Y 96/97		FY 97/98		FY 98/99		
file n:\10year\FY94_95\10yr_1.xls					(Year 1)		(Year 2)		(Year 3)		(Year 4)		(Year 5)	-		
	Planning	Project	Priority	I	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const		
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW	•••••	/ROW	001.00		
HENDERSON:			 	· · · · · · · · · · · · · · · · · · ·							1,110		,,,,,,,,			
Sunset Detention Basin, Collection	Pittman	\$6,420,000		Predesign	funded									_		
System and Outfall (incl. ROW)	1		92.5										0.642			
Mission Hills Collection System	C-1 Ch.	\$6,120,000		Basin con	struction (unded; colle	ction sys	tem design	funded							
West Diversion (incl. ROW)	1		93.5							5.458						
Southwest C-1 Detention Basin	C-1 Ch.	\$3,350,000	1													
(Black Mountain)	1		93.0						0.335			3.015				
Equestrian Dr Detention Basin &	C-1 Ch.	\$4,780,000														
Collection System (incl. ROW)			103.0			4.302										
C-1 Channel - Middle Reach (Drake	C-1 Ch.	\$5,230,000		Lower rea	ch design	funded										
St RR)]		80.0													
Pittman Park Detention Basin	Pittman	\$5,850,000		Pittman W	ash constructed from Park to Sunset; predesign completed											
			90.5													
Duck Creek Channel - Sunset to																
Newport Village	Duck Creek	\$561,300	80.5													
East C-1 Detention Basin	C-1 Ch.	\$1,630,000														
	1		74.5													
	Totals per l	Fiscal Year (x \$1,0	(000,000			4.302		0.000		5.793	***************************************	3.015		0.642		
Henderson	10-Year Total :	\$27,520,000									<u> </u>			3.5 7		

Exhibit C

Facility Description HENDERSON: Sunset Detention Basin, Collection	Planning Area	Project Cost	Priority	(Year 6) Design		(Year 7)		(Year 8)		(Year 9)		(Year 10)
Facility Description HENDERSON:	· · ·	•	Priority	Design									
HENDERSON:	Area	Cost		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
		0031	Value	/ROW		/ROW		/ROW		/ROW		/ROW	
Purpose Detention Regin Collection									•				*************
System and Outfall (incl. ROW)	Pittmen	\$6,420,000	92.5		5.778								
Mission Hills Collection System West Diversion (incl. ROW)	C-1 Ch.	\$6,120,000											
Southwest C-1 Detention Basin (Black Mountain)	C-1 Ch.	\$3,350,000	93.0										
Equestrian Dr Detention Basin & Collection System (incl. ROW)	C-1 Ch.	\$4,780,000	103.0										
C-1 Channel - Middle Reach (Drake St RR)	C-1 Ch.	\$5,230,000	80.0							0.523			4.707
Pittman Park Detention Basin	Pittman	\$5,850,000	90.5			0.057			0.513				
Duck Creek Channel - Sunset to Newport Village	Duck Creek	\$561,300	80.5			0.056			0.504				
East C-1 Detention Basin	C-1 Ch.	\$1,630,000	74.5									0.163	1.467
	Totals per F	iscal Year (x \$1,	000,000)		5.778		0.113		1.017		0.523		6.337



POSSIBLE IMPACTS TO THE
10-YEAR CONSTRUCTION PROGRAM
DUE TO PARTICIPATION WITH THE CORPS OF ENGINEERS
ON THE TROPICANA/FLAMINGO PROJECT

					FY 94/9	5	FY 95/9	3	FY 96/97	7	FY 97/9	8	FY 98/9	
file n:\10year\FY94 95\10yr 1.xls					(Year 1)		(Year 2)		(Year 3)		(Year 4)		(Year 5)	
	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW		/ROW	
LAS VEGAS (Central Las Vegas Valley):													
Lone Mountain Detention Basin	Gowan	\$5,000,000		Funded by	ROI Brd	Action 4/14	/94							
Phase 1]		111.5]		1.269]							
Oakey Detention Basin and	Central	\$8,114,000		Prioritized	for fundi	ng by Brd. A	etion 3/1)/94						
Collection System - Phase 2			101.0			1.513								
Angel Park Detention Basin	Gowan	\$100,000												
Expansion			100.5			0.100								
Washington Avenue Channel -	Central	\$5,385,000				ng by Brd. A	ction 1/1	3/94						
Lena to Eastern Reach 3			99.0		(d)	5.384								
Washington Ave. Channel-Upper	Central	\$10,798,000		Right-of-w	ay funde	d /					SASTO	والارد م		
Reach 4 (24th - FSt.)			98.5		0.600			0.676		2.038	See:	2.471		
Freeway Conveyance South	Central	\$7,223,000												
LV Cr. to Charleston			98.5										0.500	
Freeway Channel South -	Central	\$1,492,000		Sahara to	Ivanhoe (Constructed	with NDO	T						
Charleston to Sahara			93.5											
Owens Avenue System	Central	\$3,005,000		Funded wi	th RTC									
(Rancho to I-15)			95.5						0.080			2.926		
Gowan North Channel - North	Gowan	\$4,707,000		Predesign	funded									
Detention Basin to Lone Mnt Rd.			87.5				0.400			0.728				1.906
Gowan North Channel - Lone	Gowan	\$600,000		Predesign	funded									
Mtn. Rd. to CAM-10 Det. Besin			87.5											
Lone Mountain System	Gowan	\$125,000												
Outfall to Durango			76.5											
Freeway Channel - North	Central	\$770,000												
Washington Ave. (I15 to Martin Luther)			77.5		0.070			0.700						
Colorado Avenue System	Central	\$14,770,000												
(Las Vegas Wash to I-515)			90.0											
		Fiscal Year (x \$1,0	(000,000			8.936		1.776		2.846	L	5.397		2.406
Las Vegas	10-Year Total :	\$37,887,000				19%	<u>t (</u>	6%		+12%				

54RTTL= 21,36

Exhibit C

	nil Organi EVQ4 QELLOur 1 via					FY 00/0	1	FY 01/0	2	FY 02/0	3	FY 03/0	4
file n:\10year\FY94_95\10yr_1.xls				(Year 6)		(Year 7)		(Year 8)		(Year 9)		(Year 10)
	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	
LAS VEGAS (Central Las Vegas Valle	y):												
Lone Mountain Detention Basin	Gowan	\$5,000,000	1										
Phase 1	1 1		111.5										
Oakey Detention Basin and	Central	\$8,114,000											
Collection System - Phase 2			101.0										
Angel Park Detention Basin	Gowan	\$100,000											
Expansion	<u> </u>		100.5										
Washington Avenue Channel -	Central	\$5,385,000											
Lena to Eastern Reach 3			99.0										
Washington Ave. Channel-Upper	Central	\$10,798,000											
Reach 4 (24th - FSt.)			98.5		2.707		2.306						
Freeway Conveyance South	Central	\$7,223,000											
LV Cr. to Charleston			98.5						4.331		2.392		
Freeway Channel South -	Central	\$1,492,000											
Charleston to Sahara			93.5							0.200			1.292
Owens Avenue System	Central	\$3,005,000											
(Rancho to I-15)			95.5										
Gowan North Channel - North	Gowan	\$4,707,000											
Detention Basin to Lone Mnt Rd.			87.5				0.650						1.023
Gowan North Channel - Lone	Gowan	\$600,000											
Mtn. Rd. to CAM-10 Det. Basin			87.5									0.600	
Lone Mountain System	Gowan	\$125,000											
Outfall to Durango			76.5									0.125	
Freeway Channel - North	Central	\$770,000											
Washington Ave. (I15 to Martin Luthe	or)		77.5										
Colorado Avenue System	Central	\$14,770,000											
(Las Vegas Wash to I-515)	1		90.0									0.900	
	Totals per	Fiscal Year (x \$1,	(000,000)		2.707		2.956		4.331	L	2.592		3.940
Las Vega	s 10-Year Total :	\$37,887,000											





ExiC

					FY 94/9!	5	FY 95/9	B	FY 96/9	7	FY 97/9	8	FY 98/9	9
file n:\10year\FY94_95\10yr_1.xls					(Year 1)		(Year 2)		(Year 3)		(Year 4)		(Year 5)	
	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW		/ROW	
NORTH LAS VEGAS (Northern Las Ve	gas Valley) :													
Confluence Detention Basin (incl.	Renge	\$7,720,000	1		ided; con	struction on	Bond List							
ROW)			119.0	ļ										
Sloan Channel (Las Vegas Wash - Confluence Det. Basin)	Range	\$4,950,000	101.0	Predesign	funded									
West Tributary Channel (Confluence Det, Basin - Las Vegas Blvd)	Range	\$4,990,000	98.0		0.300		0.500			2.890		1.300		
Lower Las Vegas Wash Detention Basin (incl. ROW)	N. LV Wash	\$3,990,000	95.0		0.800			3.170						
Sunrise Moutain Detention Basins (ROW acq.)	Range	\$940,000	90.0											
A Channel (Lake Mead - Las Vegas Blvd)	N. LV Wash	\$5,710,000	90.0						0.500			2,605		2.605
West Tributary Channel (LV Blvd UPRR)	Range	\$4,270,000	90.0											
A Channel (LV Blvd - Camino Al Norte)	N. LV Wash	\$8,360,000	87.0	i	Norte cro	ssing comp	leted							
	Totals per l	Fiscal Year (x \$1,	(000,000)			1.100		3.670		. 3.390		3.905		2.605
North Las Vegas		\$31,840,000												

Exhibit C

						FY 00/0	1	FY 01/0	2	FY 02/0	3	FY 03/0	4
file n:\10year\FY94_95\10yr_1.xls				(Year 6)		(Year 7)		(Year 8)		(Year 9)		(Year 10	*)
	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	<u>.</u>
NORTH LAS VEGAS (Northern Las Ve	gas Valley) :												
Confluence Detention Basin (incl.	Range	\$7,720,000											
ROW)	l		119.0										
Sloan Channel (Las Vegas Wash -	Range	\$4,950,000	1										
Confluence Det. Basin)			101.0								6.000		
West Tributary Channel (Confluence	Range	\$4,990,000											
Det. Basin - Las Vegas Blvd)			98.0										
Lower Las Vegas Wash Detention	N. LV Wash	\$3,990,000											
Basin (incl. ROW)	<u> </u>		95.0										
Sunrise Moutain Detention Basins	Range	\$940,000	1										
(ROW acq.)	<u> </u>		90.0					0.940					
A Channel (Lake Mead - Las Vegas	N. LV Wash	\$5,710,000											
Blvd)	L		90.0										
West Tributery Channel (LV Blvd	Range	\$4,270,000											
UPRR)			90.0	0.800			3.170						
A Channel (LV Blvd - Camino Al	N. LV Wash	\$8,360,000											
Norte)			87.0					0.780			2.740		2.740
	Totals per Fiscal Year (x \$1,000,000)						3.170		1.720	<u> </u>	8.740		2.740
North Las Vegas	10-Year Total :	\$31,840,000											



Project Cost	Priority Value	Notes	(Year 1) Design		(Year 2) Design	Const.	(Year 3) Design	Const.	(Year 4) Design		(Year 5) Design	
1 .	1	Notes		Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Cost	Value	Notes	mou				1				· g · ·	Collet.
			/ROW		/ROW		/ROW		/ROW		/ROW	l
Dia. \$8,000,000		\$1.2 Prio	ritized for	funding by I	3rd. Actio	n 4/14/94						
	117.0			1.200								
rop. \$3,060,000		Does not	include \$3	3.396M from	n Bond Fu	nd						
	106.0			4.774								
rop. \$3,050,000												
				8.921		7.239		6.418		6.340		11.325
als per Fiscal Year (x \$,000,000			14.895		7.239		6.418		6.340	<u> </u>	11.325
otal: \$63,018,778	3											
Ti	Trop. \$3,060,000 Trop. \$3,050,000 tals per Fiscal Year (x \$1	117.0 Trop. \$3,060,000 106.0 Trop. \$3,050,000 tals per Fiscal Year (x \$1,000,000)	Trop. \$3,060,000 Does not 106.0 Trop. \$3,050,000 tals per Fiscal Year (x \$1,000,000)	Trop. \$3,060,000 Does not include \$: 106.0 Trop. \$3,050,000 tals per Fiscal Year (x \$1,000,000)	Trop. \$3,060,000 Does not include \$3.396M from 106.0 4.774 Trop. \$3,050,000 8.921 Itals per Fiscal Year (x \$1,000,000) 14.895	Trop. \$3,060,000 Does not include \$3.396M from Bond Fu 106.0 4.774 Trop. \$3,050,000 8.921 Itals per Fiscal Year (x \$1,000,000) 14.895	Trop. \$3,060,000 Does not include \$3.396M from Bond Fund 106.0 4.774 Trop. \$3,050,000 8.921 7.239 Itals per Fiscal Year { x \$1,000,000} 14.895 7.239	Trop. \$3,060,000 Does not include \$3.396M from Bond Fund 106.0 4.774 Trop. \$3,050,000 8.921 7.239 Itals per Fiscal Year (x \$1,000,000) 14.895 7.239	Trop. \$3,060,000 Does not include \$3.396M from Bond Fund 106.0 4.774 Trop. \$3,050,000 8.921 7.239 6.418 Itals per Fiscal Year (x \$1,000,000) 14.895 7.239 6.418	Trop. \$3,060,000 Does not include \$3.396M from Bond Fund 106.0 4.774 Trop. \$3,050,000 8.921 7.239 6.418 Itals per Fiscal Year (x \$1,000,000) 14.895 7.239 6.418	Trop. \$3,060,000 Does not include \$3.396M from Bond Fund 106.0 4.774 Trop. \$3,050,000 8.921 7.239 6.418 6.340 Itals per Fiscal Year (x \$1,000,000) 14.895 7.239 6.418 6.340	117.0 1.200

Exhibit C

				FY 99/0	0	FY 00/0	1	FY 01/0	2	FY 02/0	3	FY 03/0	4
file n:\10year\FY94_95\10yr_1.xls				(Year 6)		(Year 7)		(Year 8)		(Year 9)		(Year 10)
	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	
CLARK COUNTY (Southwest Las Veg	pas Valley) :												
Lower Duck Creek Detention Basin	Duck/Blue Dia.	\$8,000,000									Sec	Note Be	low
(incl. ROW)			117.0										6.418
Van Buskirk - II Ammended	Flam./Trop.	\$3,060,000											
Outfall to Flamingo Wash			106.0										
Corps of Engineer's Tropicana/	Flam./Trop.	\$3,050,000											
Flamingo Project		· ;			8.599		1.786						
	Totals per F	iscal Year (x \$1,0	(000,000		8.599		1.786		0.000		0.000	İ	6.418
Clark County (SWLV)		Note: Duck Creek Constr. Funding provided in FY 03/04 will be accellerated											
						OE funds	are delay	ed.					



				FY 94/95	5	FY 95/96	3	FY 96/97	7			FY 98/9	
				(Year 1)		(Year 2)		(Year 3)					
Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.		Const.		Const
Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW		/ROW	
Laughlin		1											
	· · · · · · · · · · · · · · · · · · ·	<u> </u>			1.000								
Goodsprings	\$352,700		Design fu	nded 			0.500						
Searchlight	\$405,800	•	Design fu	nded									
Bunkerville	\$1,297,000	•	Design fu	nded									
1							1.591	1					
Moapa Valley	\$4,029,000	•	Design	1.800									
' '			Funded								2.480		0.255
Moapa Valley	\$2,036,000	•	<u> </u>										
""",		l								0.300			1.136
Blue Diamond	\$170,000	•											
Laughlin	\$9,250,000	•	1										
Indian Springs	\$594,700	•											
Totals per	Fiscal Year (x \$1,	000,000)			2.800		2.091		0.000		2.780		1.391
10-Year Total :	\$18,187,000					************							
Program Total per	Fiscal Year (x \$1,0	000,000)			32.033		14.776		18.447		21.437		18.369
ected Revenue Per	Fiscal Year (x \$1,0	000,000		(a)	21.028	(b)	16.451	(b)	17.007	(b)	17.557	(b)	18.105
Remaining Revenue Per Fiscal Year (x\$1,000,000)							1.676		-1.440		-3.880		-0.264
			· · · · · · · · · · · · · · · · ·						· · · · · · · · · · · · · · · · · · ·		_		
Jecieu neveniue:	V 100,000,000												
	Leughlin Goodsprings Searchlight Bunkerville Moapa Valley Moapa Valley Blue Diamond Laughlin Indian Springs Totals per 10-Year Total:	Laughlin Goodsprings \$352,700 Searchlight \$405,800 Bunkerville \$1,297,000 Moapa Valley \$4,029,000 Moapa Valley \$2,036,000 Blue Diamond \$170,000 Laughlin \$9,250,000 Indian Springs \$594,700 Totals per Fiscal Year (x \$1,000 10-Year Total : \$18,187,000 Program Total per Fiscal Year (x \$1,000 Program Total per Fiscal Year (x \$1,000 Program Total per Fiscal Year (x \$1,000 Program Total per Fiscal Year (x \$1,000 Program Total per Fiscal Year (x \$1,000 Program Total per Fiscal Year (x \$1,000 Program Total per Fiscal Year (x \$1,000 Program Total per Fiscal Year (x \$1,000 Program Total per Fiscal Year (x \$1,000 Program Total per Fiscal Year (x \$1,000 Program Total Per Fiscal Y	Laughlin Goodsprings \$352,700 * Searchlight \$405,800 * Bunkerville \$1,297,000 * Moapa Valley \$4,029,000 * Moapa Valley \$2,036,000 * Blue Diamond \$170,000 * Laughlin \$9,250,000 * Indian Springs \$594,700 * Totals per Fiscal Year (x \$1,000,000) 10-Year Total : \$18,187,000 Program Total per Fiscal Year (x \$1,000,000) Control of the per	Leughlin	Planning	Planning			Planning	Planning	Year 1 (Year 2) (Year 3) (Year 3) (Year 4)	Planning	Planning

⁽a) Includes \$2.2 from 93/94 projected revenue; \$1.0 from Unnamed ROI; \$1.269 Ln. Mtn. ROI; COE Set Aside and PAYG Revenues

⁽b) Includes COE Set Aside and PAYG Revenues

⁽c) Includes PAYG Revenues

⁽d) Sales tax revenue projected based on 3.0% increase per year from FY 93/94

POSSIBLE IMPACTS TO THE 10-YEAR CONSTRUCTION PROGRAM DUE TO PARTICIPATION WITH THE CORPS OF ENGINEERS ON THE TROPICANA/FLAMINGO PROJECT

Exhibit C

		FY 99/0	0	FY 00/0	1	FY 01/0	2	FY 02/0	3	FY 03/0	4		
file n:\10year\FY94_95\10yr_1.xls				(Year 6)		(Year 7)		(Year 8)		(Year 9)		(Year 10	
	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW	L	/ROW	L	/ROW	
CLARK COUNTY (Outlying Areas):				*******************************		***************************************					000000000000000000000000000000000000000	************************	
Hiko Springs Det. Basin	Laughlin												
Goodsprings - Phase 1 Improvements	Goodsprings	\$352,700	•										
Searchlight - Eastern Portion Improvements	Searchlight	\$405,800	•										
Bunkerville	Bunkerville	\$1,297,000	•										
West Levee - Muddy River	Mospa Valley	\$4,029,000	•										
Overton Wash	Moapa Valley	\$2,036,000	•		0.600								
Blue Diamond	Blue Diamond	\$170,000	•	0.038	0.212								
Bridge Canyon - Floodway/Outfall	Laughlin	\$9,250,000	•	0.628			1.420		3.037		1.500		1.600
Indian Springs	Indian Springs	\$594,700	•			0.090							
	Totals per l	Fiscal Year (x \$1,	000,000)		1.478		1.510		3.037		1.500		1.600
Clark County (Outlying	g) 10-Year Total :	\$18,187,000										******************************	
	Program Total per l	Fiscel Year (x \$1,	000,000)		19.362		9.535		10.105		13.355		21.035
(d) Pro	ojected Revenue Per	Fiscal Year (x \$1,	000,000)	(b)	18,650	(b)	19.189	(c)	19.713	(c)	20.229	(c)	20.727
Rer	maining Revenue Per	Fiscal Year (x\$1,	000,000)		-0.712		9.654		9.608		6.874		-0.308
10-Year Total 9	14/95 thru 03/04 :	\$178,452,778					·	<u> </u>			·		
10-Year P	rojected Revenue:	\$188,656,098				·· ·							
(a) Includes 42.2 from 92/94 project													

⁽a) Includes \$2.2 from 93/94 projected revenue; \$1.0 from Unnamed ROI; \$1.269 L

⁽d) Sales tax revenue projected based on 3.0% increase per year from FY 93/94





⁽b) Includes COE Set Aside and PAYG Revenues

⁽c) Includes PAYG Revenues

EXHIBIT D

Exhibit D

PHASE 1 CONSTRUCTION PROGRAM Summary of Funding

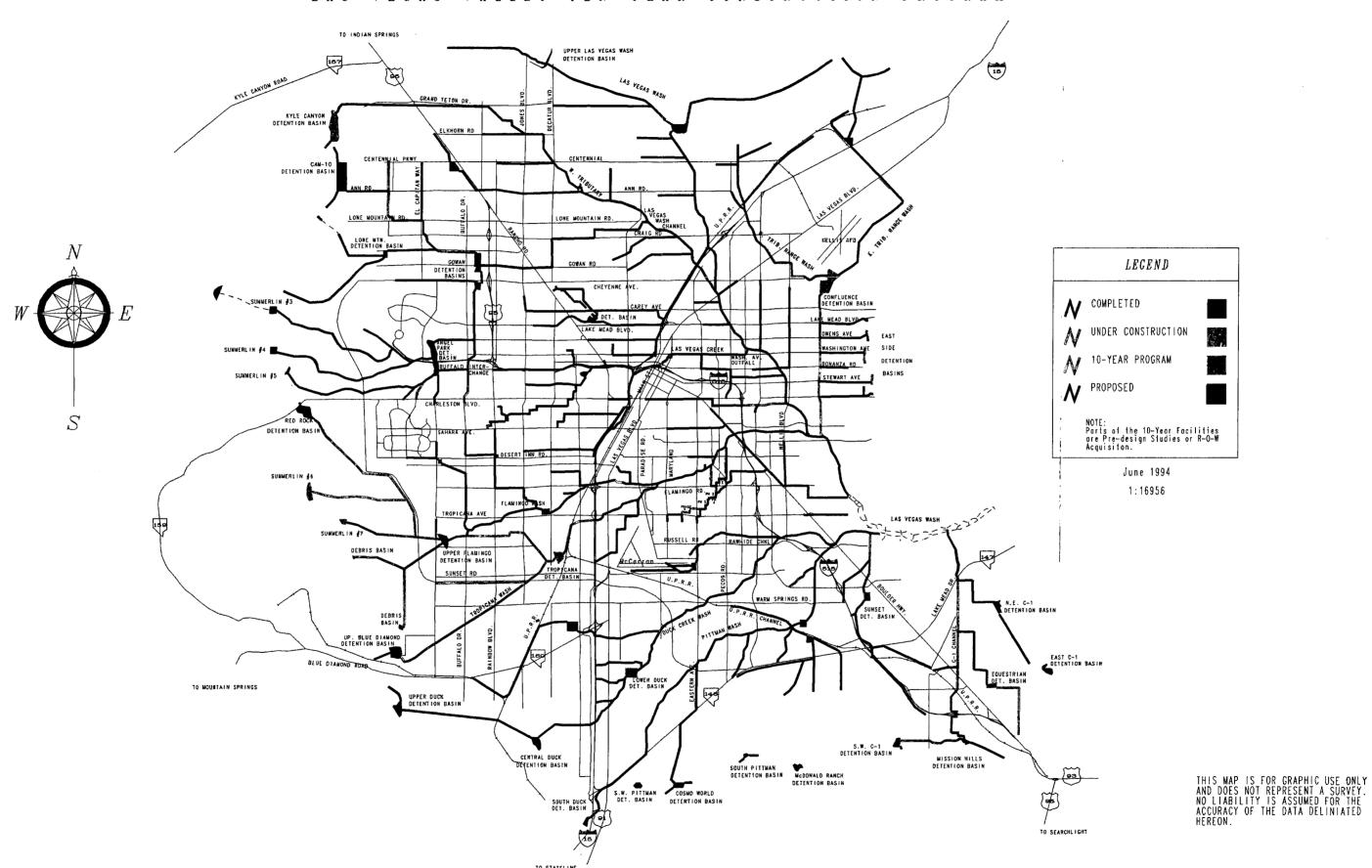
file:n:\10-year\fy94_95\funs	um94.xle	Current Fu	nding	Funds	Total Funding	Funding	Estimated Total	Percent	Percent of Total Over
	Percent of	Funding • Contracts	Percent of Funding	Remaining on Bond List	Programmed and Committed	Proposed on 10-Year Program	Through FY 03/04	of Total	(Under) Programmed Amount
Henderson :	16.3%	\$24,632,557	12.4%	\$5,649	\$24,638,206	\$27,520,000	\$52,158,206	13.6%	(2.7%) (\$10,477,341)
Las Vegas (Central Las Vegas Valley) :	25.3%	\$54,103,229	27.3%	90	\$54,103,229	\$37,908,000 (a)	\$92,011,229	24.0%	(1.3%) (\$4,867,582)
Clark County (Southwest Las Veges Valley) :	23.0%	\$39,953,066	20.2%	\$0	\$39,953,066	\$65,018,778 (b)	\$104,971,844	27.4%	4.4% \$16,719,229
North Las Vegas (Northern Las Vegas Valley):	23.9%	\$57,220,272	28.9%	\$4,853,000	\$62,073,272	\$31,840,000	\$93,913,272	24.5%	0.6% \$2,440,471
Boulder City:	1.1%	\$6,542,310	3.3%	\$0	\$6,542,310	\$0	\$6,5 42,310	1.7%	0.6% \$2,424,375
Mesquite :	0.5%	\$4,362,146	2.2%	\$0	\$4,362,146	\$0	\$4,362,146	1.1%	0.6% \$2,371,486
Clark County (Outlying Area) :	9.9%	\$11,340,100	5.7%	\$0	\$11,340,100	\$18,187,000	\$29,527,100	7.7%	(2.2%) (\$8,610,637)
TOTAL	100.0%	\$198,153,680	100.0%	\$4,858,649	\$203,012,329	\$180,473,778	\$383,486,107	100.0%	

⁽a) Includes \$5,384,500 prioritized for Washington Lena to Eastern

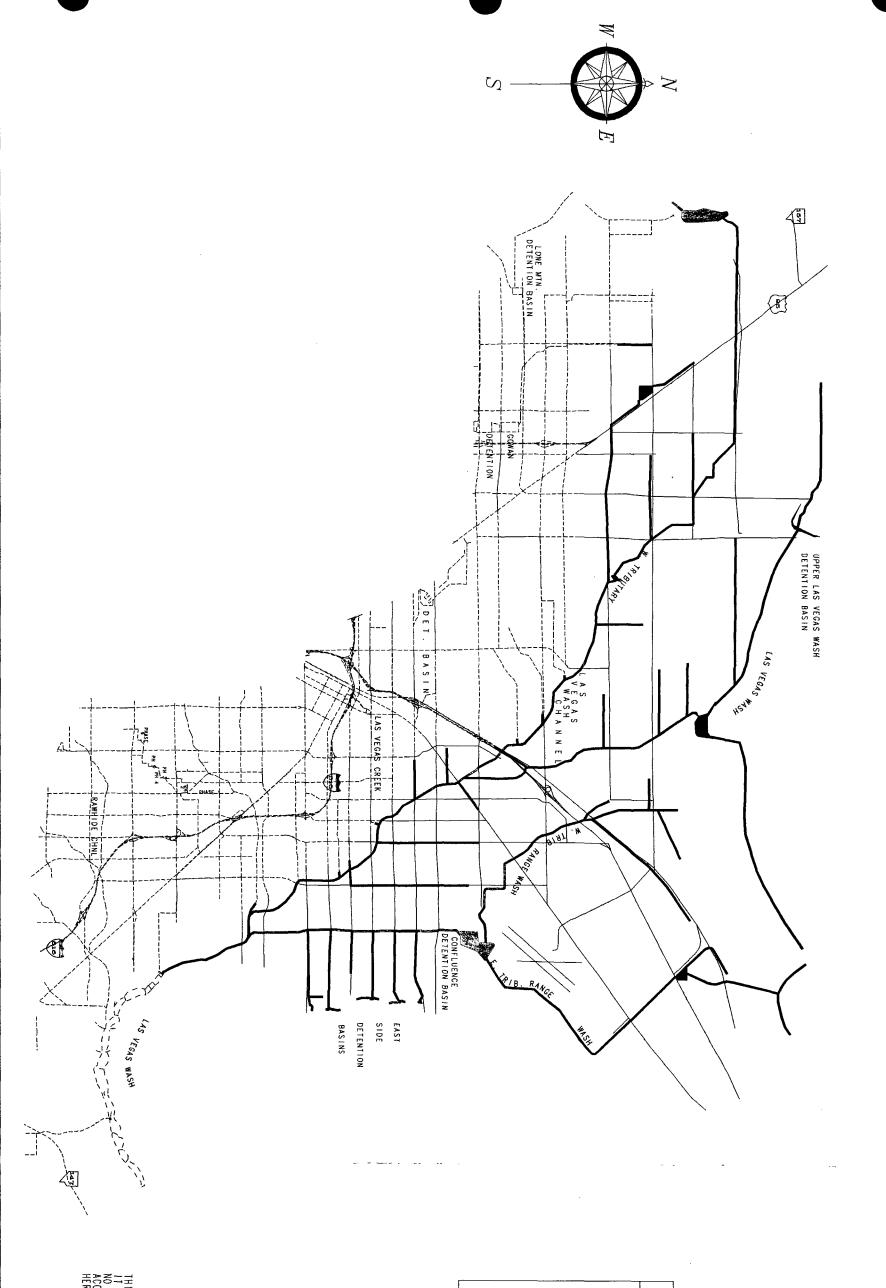


⁽b) Includes \$50,626,778 for COE Trop/Flamingo Project 94/95 thru 03/04

^{*} Includeds Project Close Outs and Present Interlocal Contracts



Z



COMPLETED

WINDER CONSTRUCTION

10-YEAR PROGRAM

PROPOSED

Profts of the 10-Year facilities are Pre-design Studies of R-0-W
Acquisiton.

June 1994

1:11779

LECEND

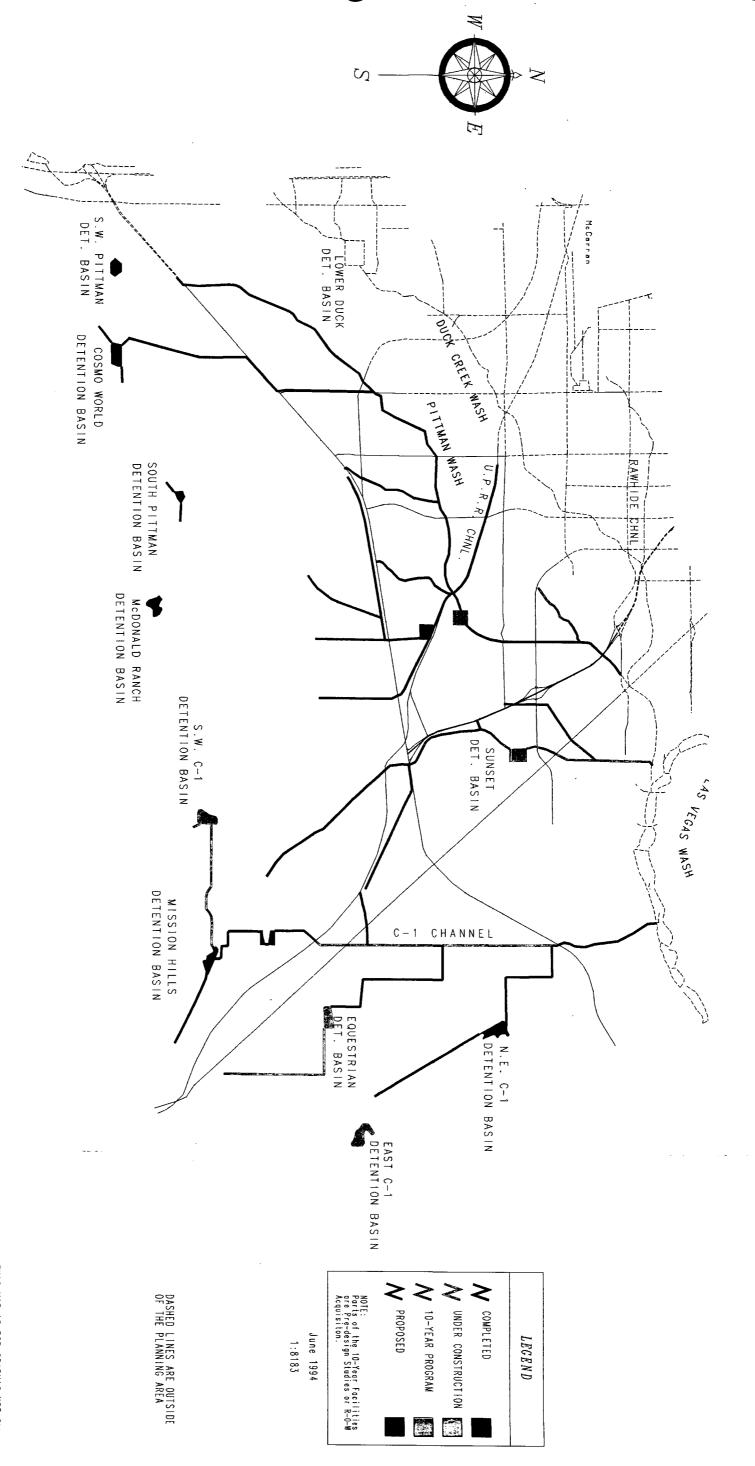
DASHED LINES ARE OUTSIDE OF THE PLANNING AREA

THIS MAP IS FOR GRAPHIC USE ONLY.

IT DOES NOT REPRESENT A SURVEY.

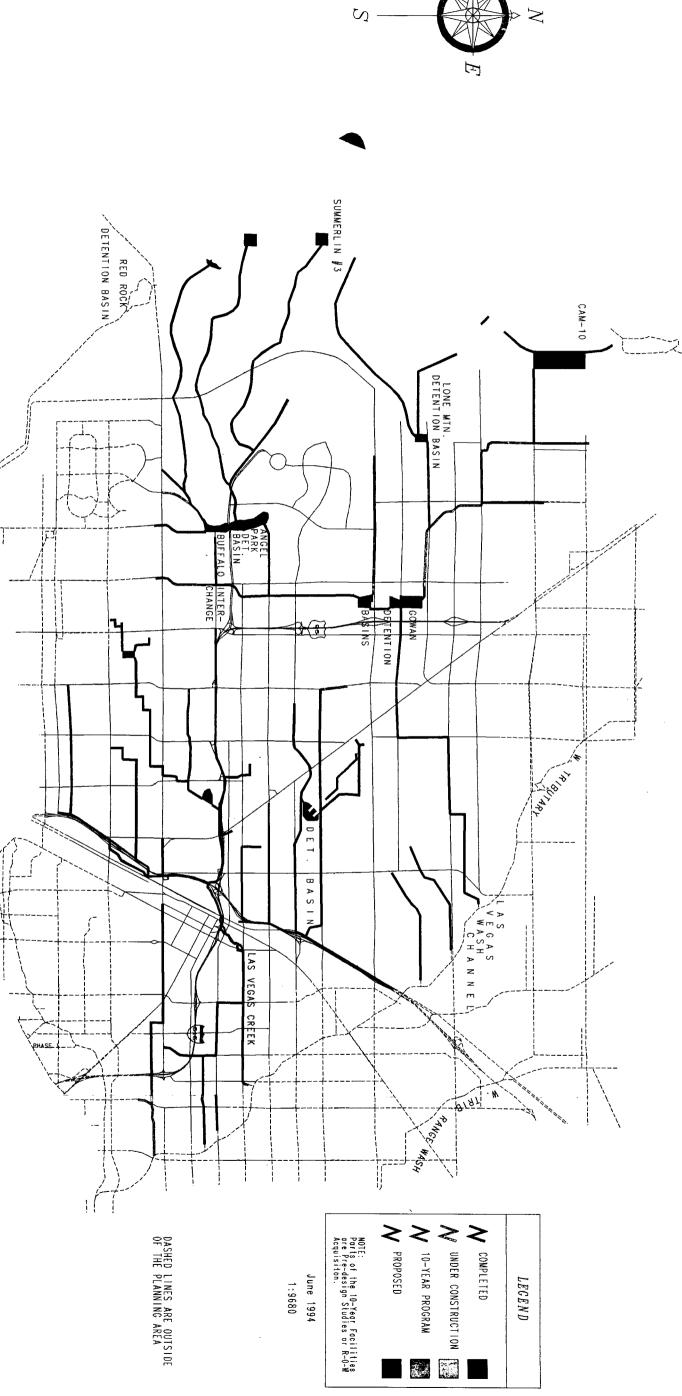
NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINIATED HEREON.

PITTM **>** =₩ **>** $\mathcal{C}_{\mathcal{D}}$ Н A \mathbf{z} J $\overline{}$ ļ \Box \mathbf{H} ➣ \blacksquare =H _ Р _ A == \mathbf{z} 4 A \mathbf{R} \rightarrow 2



THIS MAP IS FOR GRAPHIC USE ONLY.
IT DOES NOT REPRESENT A SURVEY.
NO LIABILITY IS ASSUMED FOR THE
ACCURACY OF THE DATA DELINIATED
HEREON.

FLAMINGO, TROPICANA, DUCK CREEK, AND BLUE DIAMOND PLANNING AREAS BUFFALO BASINS RED ROC SUMMERLIN #6 FLAMINGO WASH LAS VEGAS LEGEND **♦** COMPLETED RAWHIDE CHNL WUNDER CONSTRUCTION DEBRIS BASIN UPPER FLAMINGO DETENTION BASIN ↑ 10-YEAR PROGRAM TROPICANA DET. BASIN **♦ PROPOSED** NOTE: Parts of the 10-Year Facilities are Pre-design Studies or R-0-W Acquisiton. CREEK WASH SUNSET DEBRIS DET. BASIN HEAW WANTING BASIN June 1994 UP. BLUE DIAMOND DETENTION BASIN 1:10125 LOWER DUCK DET. BASIN 149 UPPER DUCK DETENTION BASIN DASHED LINES ARE OUTSIDE OF THE PLANNING AREA DETENTION BASIN 1>---CENTRAL DUCK DETENTION BASIN SOUTH PITTMAN DETENTION BASIN McDONALD RANCH S.W. PITTMAN DETENTION BASIN COSMO WORLD DET. BASIN SOUTH DUCK DET. BASIN DETENTION BASIN THIS MAP IS FOR GRAPHIC USE ONLY. IT DOES NOT REPRESENT A SURVEY. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINIATED HEREON.



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NO LIABILITY IS ASSUMED FOR THE
ACCURACY OF THE DATA DELINIATED
HEREON.



Gale Wm. Fraser, II, P.E. General Manager / Chief Engineer

BOARD OF DIRECTORS

Iris Bletsch Chairman City of Boulder City

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> Ken Carter City of Mesquite

Yvonne Atkinson Gates
Clark County

Theron Goynes
City of North Las Vegas

Jan Laverty Jones
City of Las Vegas

Larry Scheffler City of Henderson

Bruce L. Woodbury Clark County **MEMORANDUM**

TO:

TECHNICAL ADVISORY COMMITTEE

FROM:

GALE WM. FRASER, II, GENERAL MANAGER/

CHIEF ENGINEER

SUBJECT:

RESOLUTION OF INTENT NO. 94-1

DATE:

JANUARY 27, 1994

Enclosed for your information is the Bond Project List as approved by the Board at the July 1991 meeting. This information was not included in the agenda backup for the January 27, 1994 meeting. Upon review of Exhibit "B" of the attached document please note that the Laughlin/Hiko Springs Detention Basin was included in the 1991 Bond List.

Also attached is a copy of the Financial Report depicting the bond funding requests to date. As you can see several of the projects depicted on the Contingency Project List have already been funded.

As previously stated, approval of the Resolution of Intent will not commit any District funds nor will it bind the Board to any decision. It is a resolution to consider the funding of the project. Any decision regarding the actual funding of this project would be based on the requirements of the Nevada Revised Statutes and the District's Policies and Procedures.

/jwp

TAC Correspondence

CLARK COUNTY

REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

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-51	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			

BOND PROJECT LIST

PETITIONER:

VIRGINIA-BAX-VALENTINE, P.E., GENERAL MANAGER/CHIEF ENGINEER

RECOMMENDATION OF PETITIONER:

THAT THE BOARD APPROVE THE BOND PROJECT LIST AND CONTINGENCY BOND PROJECT LIST

FISCAL IMPACT:

None - The approval of this item does not commit funds

BACKGROUND:

At its July 12, 1990 meeting the Board approved a Ten-year Construction Program and the FY 90/91 Project List. In accordance with the Policies and Procedures Manual, the plan is updated at the beginning of each fiscal year.

To expedite the construction of projects, the Board at its August 9, 1990 meeting approved a nine point plan. The plan included the adoption of a JUNE 1991 PROJECT LIST and a SUGGESTED BOND PROJECT LIST. The SUGGESTED BOND PROJECT LIST was contingent upon approval by the State Legislation of a bill that would allow the District to bond. The bill, AB 455, has now been approved.

In formulating the project lists for FY 91/92, the JUNE 1992 PROJECT LIST, previous item on the agenda, was developed and the BOND PROJECT LIST was updated based upon information submitted and reviewed by staff and the Technical Advisory Committee. All projects on the lists have been identified in the Ten-year Construction Program, previously approved, with the exception that certain projects have been modified and/or changed in concept based upon the Master Plan Update for the Las Vegas Valley which is presently being finalized.

SPEC.	
TAC AGENDA	RFCD AGENDA
ITEM # 3	ITEM # 8
Date: 7-3-91	Date: 7-11-91

The BOND PROJECT LIST is to be funded by pledging approximately one-half of the District revenues to retire the bonds. The total of the bonds to be issued is programmed at \$80,000,000. The projects identified on the BOND PROJECT LIST is for the construction of the flood control facilities.

Certain projects, identified on the BOND PROJECT LIST as first issued bonds, have either the design completed or are ninety percent designed at this time and all necessary rights-of-way have been obtained. These projects are ready to go to construction around November, 1991, when bond funds are available. The remaining projects on the BOND PROJECT LIST are presently being designed or will be designed shortly and are expected to be funded by a second sale of the bonds (second issue).

Exhibit A, included in the backup, is the SUGGESTED BOND PROJECT LIST approved by the Board at its August 9, 1990 meeting. Also included in the exhibit are the recommended changes to the August, 1990 list based upon requests received and changes proposed in order to develop a bond list that totals \$80,000,000. The column labelled "Bond List Requested Received" totals \$127,030,804 which exceeds the bonding capabilities of the District by \$47,030,804. Therefore, certain deletions and the reduction in funding were required to develop a bond list consistent with the amount of funding available from a bond issue.

Exhibit B, BOND PROJECT LIST, included in the backup, identifies the first and second issue bond sale projects. The first issue bond sale projects total \$37,758,304 and the second issue totals \$42,372,200. The BOND PROJECT LIST totals \$82,130,504 which is approximately 2.7% over the amount programmed for bond funding. Due to the unavailability of detailed cost estimates on the second issue projects, and the uncertainty of actual project costs, this small increase over the \$80,000,000 programmed bond amount is considered reasonable. The second issue of the bonds will require further analysis of the project costs prior to the second issue bond sale.

Also included in Exhibit B is a CONTINGENCY LIST. This list includes those flood control facilities requested to be included on the BOND PROJECT LIST, but were eliminated or reduced due to funding constraints. This list may be utilized as a project list for those facilities on the BOND PROJECT LIST that become delayed due to right-of-way, environmental, and or other unforeseen issues.

EXHIBIT C, included in the backup, demonstrates that no hydrographic basin has substantially exceeded programmed funding to date. Also, when including the programmed amounts on the JUNE 1992 PROJECT LIST and the BOND PROJECT LIST, funding for each entity will be in line with the originally programmed amounts.

Respectfully submitted,

Virginia Bax-Valentine, P.E. General Manager/Chief Engineer

SPEC.

TAC AGENDA RPCD AGENDA ITEM # 8

Date: 7-3-91 Date: 7-11-91

Regional Flood Control District AGENDA ITEM DEVELOPMENT

Staff Discussion:	Bond Project and Contingency Project List		Date: 6-27-91
See attached age	nda item		
Staff Recommend	ation:		
Approve			
Discussion By	Special TAC	• 2	AGENDA Date: 7-3-91
Changes requested 1. Southwe 1st Issue and	i to Bond Project List: st Las Vegas Valley (Clark County) identify Van Buskirk d decrease Van Buskirk System by \$4,000,000 on 2nd Iss	System for \$4, ue Bond Projec	000,000 on t Lists.
Recommendation	l :	<u> </u>	
Approve with abo	ve changes		
iscussion By _	Staff :	•	AGENDA Date: 7-5-91
Backup has been	updated to reflect discussion at TAC.		
•			
Recommendation	1;		<u> </u>
Approve			
Discussion By	:	•	AGENDA Date:
		-	
		·	
Recommendation	1:		
Discussion By	:		AGENDA Date:
			
-			
1			

EXHIBIT A

3-Jul-91

page 1 of 2 file:GWF:c:\10yr\pro\92req.xls

HYDROGRAPHIC BASIN	SUGGESTED BOND LIST (8/9/90)	BOND LIST REQUESTS RECEIVED	RECOMMENDED CHANGES TO BOND LIST	COMMENTS
		(a)	Lisi	
SOUTHWEST LAS VEGAS VALLEY				
Rawhide Channel	\$3,000,000	\$2,820,000	\$2,820,000	Design funds on June 92 List
Winnick Ave. Improvements	\$1,200,000	\$0	XI	Moved to June 92 List
Van Buskirk System	\$10,800,000	\$10,150,000	\$8,000,000	Design funds on June 92 List & reduced by \$2,150,000
TOTAL - SWLVV	\$15,000,000	\$12,970,000	\$10,820,000	
OUTLYING AREAS (CLARK COUNTY)				
Muddy River West Levee - Moapa Valley	\$0	\$3,000,000	•	On previous FY 91/92 list; include on June 92 list
Laughlin (Hiko Wash Det. Basin)	\$0	\$7,950,000		Deleted
Laughlin (51% of Unnamed Wash)	\$4,000,000	\$4,100,000	\$4,100,000	Increased
TOTAL - OUTLYING AREAS	\$4,000,000	\$15,050,000	\$4,100,000	
CENTRAL LAS VEGAS VALLEY				
South Gowan Detention Basins Const	\$5,600,000	\$0	· 2	Combined with next entry
Gowan Detention Basins Const	\$0	\$10,240,000		Increased cost and scope
Dakey Blvd. Detention Basin System	\$0	\$7,970,000	\$7,970,000	
Washington Ave. System	\$6,000,000	\$5,400,000		Deleted; added next entry
Washington Ave. System (Sandhill Outlet)	\$0	\$1,700,000 \$0		Added in leau of previous entry Deleted
Govern North Chennel	\$4,300,000	V 80		
Buffalo Channel (Summerlin Pkwy. to Vegas) TOTAL - CLVV	\$0	\$1,500,000	\$1,500,000	Added
	\$15,900,000	\$26,810,000	\$21,410,000	
WORMUPDY INC VPCAG VALLEY				
NORTHERN LAS VEGAS VALLEY				044 000 000 theatfield on time 04 that there are a final side
Upper Las Vegas Wash Detention Basin	\$0	\$12,800,000		\$11,000,000 identified on June 91 List; increase & include
West Range Wash Diversion Dike	\$4,500,000	\$6,300,000	\$4,000,000	1
East Range Wash Detention Basin	\$4,800,000	\$8,620,000	\$8,620,000	
Kyle Canyon Detention Basin	\$7,000,000	\$11,100,000		Deleted
TOTAL - NLVV	\$16,300,000	\$38,820,000	\$25,420,000	

EXHIBIT A

3-Jul-91

page 2 of 2 file:GWF:c:\10yr\pro\92req.xls

HYDROGRAPHIC BASIN	SUGGESTED BOND LIST (8/9/90)	BOND LIST REQUESTS RECEIVED (a)	RECOMMENDED CHANGES TO BOND LIST	COMMENTS
HENDERSON				
Pittman Wash Channel (Phase II)	\$0	\$3,470,000	\$3,470,000	\$3,062,800 remaining on June 91 List; increased & include
Pittman Wash Channel (Phase III)	\$0	\$3,162,500	000 6 * -	On previous FY 91/92 list; include
UPRR Channel	\$2,200,000	\$2,300,000	\$2,300,000	
Gibson Detention Basin	\$0	\$5,000,000	**	Delete
Black Mtn Dam/C-1 Channel	\$6,600,000	\$14,000,000	**	Design funds on June 92 List; decrease
TOTAL - HENDERSON	\$8,800,000	\$27,932,500	\$14,932,500	

MESQUITE		AF //A 70/	+5 //9 70/	\$4,820,000 remaining on June 91 List; increased & include
Town Wash Detention Basin	\$0	\$5,448,304	***	34,020,000 Telestring of Jule 91 List, The esset & The tool
TOTAL - MESQUITE	\$0	\$5,448,304	\$5,448,304	
BOULDER CITY				
	\$0	\$0	so.	No projects
No Projects TOTAL - BOULDER CITY	\$0	\$0	\$0	,
ICIAL - BOULDER CITT	- 30			
TOTAL	\$60,000,000	\$127,030,804	\$82,130,804	\$80,000,000 bond sale

NOTE: a - Enitity request, staff suggestion, or 1990 Bond List amount less design

HYDROGRAPHIC BASIN	PROJECT LIST (1st Issue)	BOND PROJECT LIST (2nd 1ssue)		TOTAL OF BOND PROJECTS	
SOUTHWEST LAS VEGAS VALLEY			88 B		*
Rawhide Channel	××	\$2,820,000	882 L	\$2,820,000	t
Van Buskirk System	\$4,000,000	\$4,000,000	**	\$8,000,000	t
TOTAL - SWLVV	\$4,000,000	\$6,820,000	8	\$10,820,000	Ī
***************************************			Ø.		i
OUTLYING AREAS (CLARK COUNTY)					I
Laughlin (51% of Unnamed Wash)	\$4,100,000		% :	\$4,100,000	Ī
TOTAL - OUTLYING AREAS	\$4,100,000	\$0		\$4,100,000	I
					I
CENTRAL LAS VEGAS VALLEY			8		į
Gowan Detention Basins Const	\$10,240,000		***	\$10,240,000	J
Oakey Blvd. Detention Basin		\$7,970,000	***	\$7,970,000	_
Washington Ave. System (Sandhill Outlet)	\$1,700,000		×	\$1,700,000	1
Buffalo Channel (Summerlin Prkway, to Vegas)	*	\$1,500,000	8	\$1,500,000	ł
TOTAL - CLVV	\$11,940,000	\$9,470,000	▓.	\$21,410,000	J
NODWIEDN 130 WEGS C WALLEY					ļ
NORTHERN LAS VEGAS VALLEY Upper Las Vegas Wash Detention Sasin	8 843 800 000		88	443 800 800	1
West Range Wash Diversion Dike	\$12,800,000	\$4,000,000	88 88	\$12,800,000	4
East Range Wash Detention Basin	88	\$8,620,000	888 L	\$4,000,000 \$8,620,000	ł
TOTAL - NLVV	\$12,800,000	\$12,620,000	***	\$25,420,000	t
301111	**	012,020,000	₩	023,420,000	
HENDERSON	88				٦
Pittman Wash Channel (Phase II) 0.000	\$3,470,000			\$3,470,000	1
Pittman Wash Channel (Phase III) As 0.950		\$3,162,200	*	\$3,162,200	1
UPRR Channel		\$2,300,000		\$2,300,000	1
Black Mtn Dam/C-1 Channel System	**	\$6,000,000		\$6,000,000]
TOTAL - HENDERSON	\$3,470,000	\$11,462,200		\$14,932,200	
					8
MESQUITE					
Town Wash Detention Basin	\$5,448,304			\$5,448,304	
TOTAL - MESQUITE	\$5,448,304	\$0		\$5,448,304	J
2007 200 2000			M		
BOULDER CITY		<u> </u>			
(no projects)	\$0	\$0		\$0	
TOTAL - BOULDER CITY	\$0	\$0		\$0	
					8
Total - Bond List	\$41,758,304	\$40,372,200		\$82,130,504	1
Bond Fund	\$41,758,304	\$38,241,696		\$80,000,000	1
Difference	\$0	(\$2,130,504)		(\$2,130,504)	;



CONTINGENCY PROJECT LIST

HYDROGRAPHIC BASIN		AMOUNT
COMPANIE TAG MANAG WALLEY		
SOUTHWEST LAS VEGAS VALLEY		
Van Buskirk System		\$2,150,000
TOTAL - SWLVV	▓.	\$2,150,000
	88 2	
OUTLYING AREAS (CLARK COUNTY)	█.	
Laughlin (Hiko Wash Det. Basin)	XX	\$7,950,000
TOTAL - OUTLYING AREAS	.	\$7,950,000
	₩.	
CENTRAL LAS VEGAS VALLEY		
Washington Ave. System	2	\$6,000,000
TOTAL - CLVV		\$6,000,000
NORTHERN LAS VEGAS VALLEY		
West Range Wash Diversion Dike		\$2,300,000
Kyle Canyon Detention Basin		\$11,800,000
TOTAL - NLVV		\$14,100,000
HENDERSON		
Gibson Detention Basin	**	\$5,000,000
Black Mtn Dam/C-1 Channel System		\$8,000,000
TOTAL - HENDERSON		\$13,000,000
Total	W	\$43,200,000

EXHIBIT C

Total Programmed per Basin

Percentages per basin

SUMMARY OF DISTRICT CONSTRUCTION PROGRAM

TEN-YEAR CONSTRUCTION PROGRAM - PROGRAMMED FUNDING SUMMARY THRU 6/30/91

Northern

\$18,668,870

27.4%

Central

\$19,366,400

28.4%

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\$68,108,064

100.0%

		:	
Mesqui te	Outlying	Total	888

6.2%

\$4,197,500

SUMMARY OF FUNDI	NG THRU 6/	30/91 AND	JUNE 1992	PROJECT	LIST AND	POND DRO	TROM TTO	
	****				ZZOI MID	DOND PRO	JECT LIST	
DISTRICT FUNDING BY INTERLO	CAL CONTRACT THRO	UGH 6/30/91						
Total of Interlocal Contrac	ts \$20,820,201	\$23,922,356	\$13,820,836	\$5,374,720	\$6,784,310	\$669,601	\$2,237,000	\$73,629,023
Percentages per basin	28.3x	32.5x	18.8%	7.3x	9.2%	0.9%	3.02	100.0
POPOSED DISTRICT FIRMUNC O	H BRE 4000 DOG						3.03	100.0
PROPOSED DISTRICT FUNDING O	N JUNE 1992 PROJE	CT LIST AND BON	D PROJECT LISTS					
otat per sasifi	\$26,350,000	\$22,847,625	\$18,428,000	\$0	\$15,682,200	\$5,448,304	\$9,020,500	\$97,776,629
						***************************************	XXAVA C	######################################
OTAL OF PROJECTS FUNDED AND	JUNE 1992 PROJEC	T LIST AND BONG	PROJECT LIST	•				
otal	\$47,170,201	\$46,769,981	\$32,248,836	\$5,374,720	\$22,466,510	44 445 000 1		
			,,,	,-,7,720	€£,400,310	\$6,117,905	\$11,257,500	\$171,405,652
pdated Percentages	27.5%	27.3%	18.8X	3.12	13.1%			
		***************************************	***************************************	3.16	13.1%	3.6X	6.6%	100.0

HYDROGRAPHIC BASINS

Boulder

City

\$1,714,354

2.5%

Henderson

\$10,076,200

14.8%

\$2,545,900

3.7%

Southwest

\$11,538,840

16.9%

PERCENTAGES BASED UPON 1986 M Percentages for program								
funding (MP Ph. 1 est.)	29.5%	28.3%	17.3%	1.4%	12.8%	1.5%	9.2%	100.0%
Funding based upon MP % (a)	\$50,078,873	\$47,993,666	\$29,294,615	\$2,322,548	\$21,682,762	\$2,492,077	\$15,664,482	\$169,529,023
(a) Total represents projects	funded through	June 30, 1991	(\$73,629,023); F	Y 91/92 amount	(\$15,900,000):	and hand aroun	* (\$80,000,000	

BOND PROJECT LIST - FUNDING REQUEST SUMMARY

1/27/94		file	e:\excel\sum_bd.xls	
	TOTAL OF	FUNDING	PROGRAM	
HYDROGRAPHIC BASIN	BOND	REQUESTS	AMOUNT	
	PROJECTS		DIFFERENCE	
SOUTHWEST LAS VEGAS VALLEY				
Rawhide Channel	\$2,820,000	\$2,820,000	\$0	
Van Buskirk System	\$8,000,000	\$9,516,000	(\$1,516,000)	
TOTAL - SWLVV	\$10,820,000	\$12,336,000	(\$1,516,000)	
OUTLYING AREAS (CLARK COUNTY)				
Laughlin (51% of Unnamed Wash)	\$4,100,000	\$4,100,000	\$0	
TOTAL - OUTLYING AREAS	\$4,100,000	\$4,100,000	\$0	
CENTRAL LAS VEGAS VALLEY				
Gowan Detention Basins Const	\$10,240,000	\$7,500,000	\$2,740,000	
Oakey Blvd. Detention Basin	\$7,970,000	\$7,196,300	\$773,700	
Washington Ave. System (Sandhill Outlet)	\$1,700,000	\$1,496,313	\$203,687	
Washington Ave. System (Virgil to Lena)	0	\$3,350,000	(\$3,350,000)	
Buffalo Channel (Summerlin Prkway, to Vegas)	\$1,500,000	\$1,920,950	(\$420,950)	
TOTAL - CLVV	\$21,410,000	\$21,463,563	(\$53,563)	
NORTHERN LAS VEGAS VALLEY				
Upper Las Vegas Wash Detention Basin	\$12,800,000	\$8,950,000	\$3,850,000	
Kyle Canyon Detention Basin	0	\$5,037,000	(\$5,037,000)	
West Range Wash Diversion Dike	\$4,000,000	\$2,430,000	\$1,570,000	
Range Wash Confluence Detention Basin	\$8,620,000	\$3,150,000	\$5,470,000	
TOTAL - NLVV	\$25,420,000	\$19,567,000	\$5,853,000	
HENDERSON				
Pittman Wash Channel (Phase II)	\$3,470,000	\$2,066,871	\$1,403,129	
Pittman Wash Channel (Phase III)	\$3,162,200	\$910,000	\$2,252,200	
UPRR Channel	\$2,300,000	\$2,600,000	(\$300,000)	
Black Mtn Dam/C-1 Channel System	\$6,000,000	\$7,150,000	(\$1,150,000)	
TOTAL - HENDERSON		\$12,726,871	\$2,205,329	
MESQUITE				
Town Wash Detention Basin	\$5,448,304	\$3,692,546	\$1,755,758	
TOTAL - MESQUITE	\$5,448,304	\$3,692,546	\$1,755,758	
BOULDER CITY				
(no projects)	\$0	1	\$0	
Hemenway Wash - 4th Suppl.		\$1,327,000	(\$1,327,000)	
Hemenway Wash - 5th Suppl.		(\$460,000)		
TOTAL - BOULDER CITY	\$0	\$867,000	(\$867,000)	
Totals	\$82,130,504	\$74,752,980	\$7,377,524	

,		

REGIONAL FLOOD CONTROL DISTRICT

Gale Wm. Fraser, II, P.E. General Manager / Chief Engineer

BOARD OF DIRECTORS

Iris Bletsch Chairman City of Boulder City

Larry Scheffler Vice-Chairman City of Henderson

Ken Brass City of Las Vegas

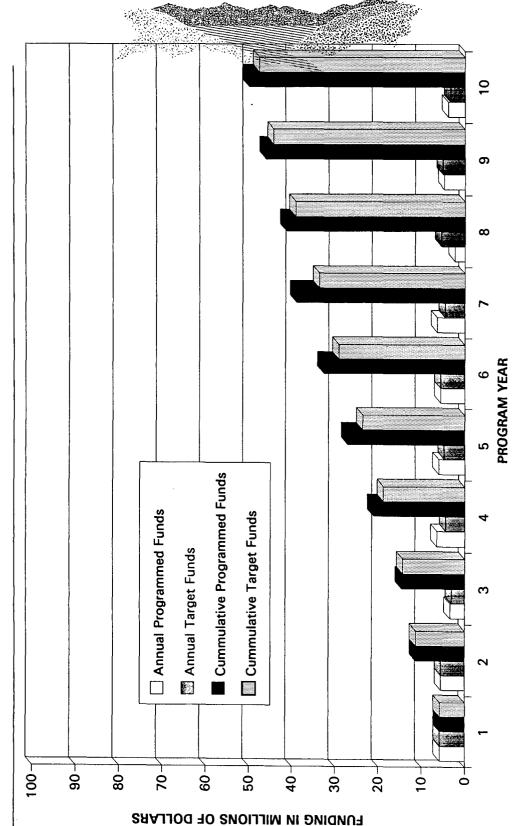
Ken Carter City of Mesquite

Yvonne Atkinson Gates Clark County

Theron Goynes City of North Las Vegas

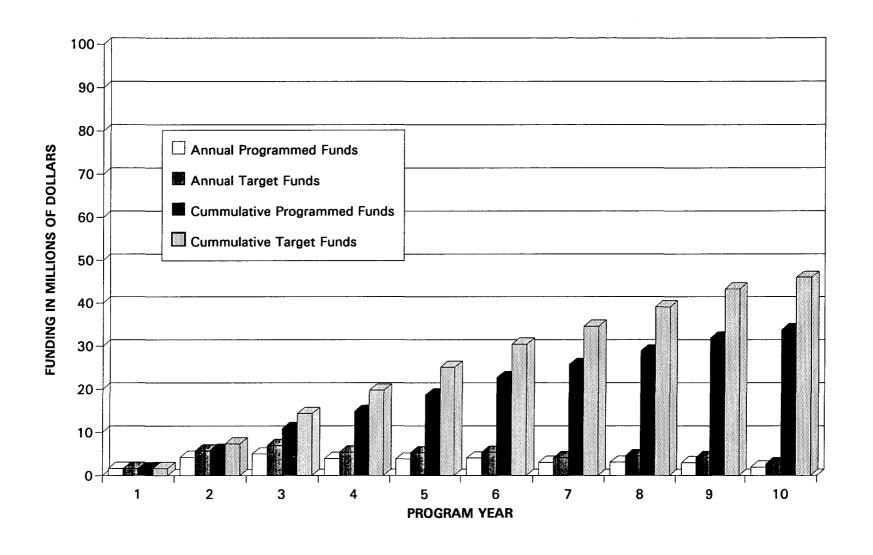
Jan Laverty Jones City of Las Vegas

Brice L. Woodbury
Clark County

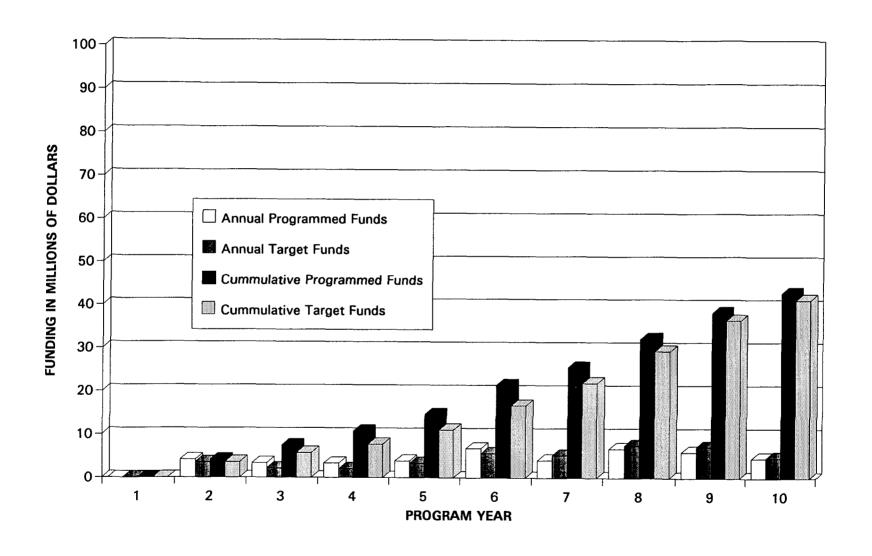


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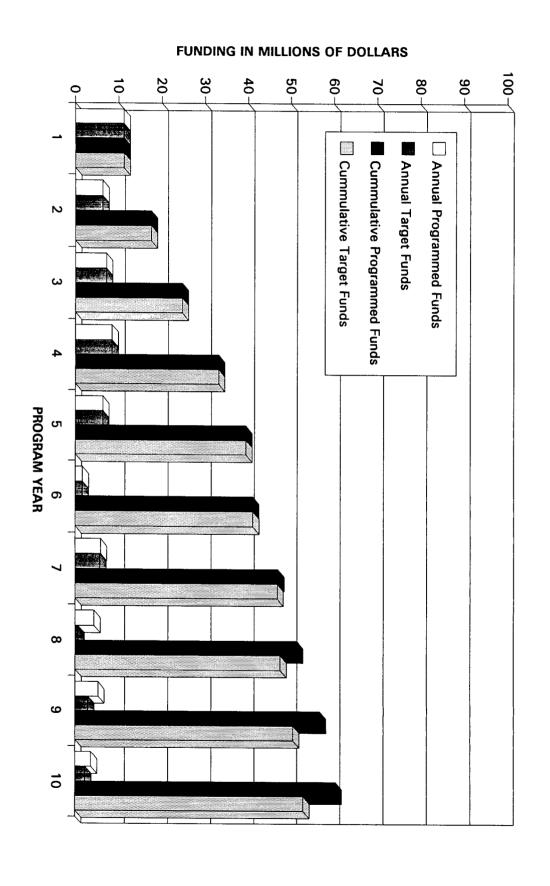
Clark County Outlying



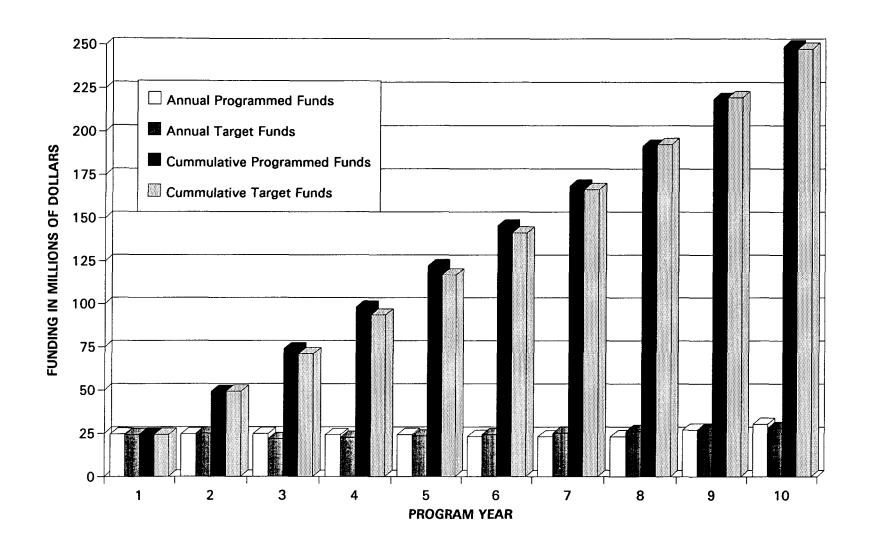
City of North Las Vegas



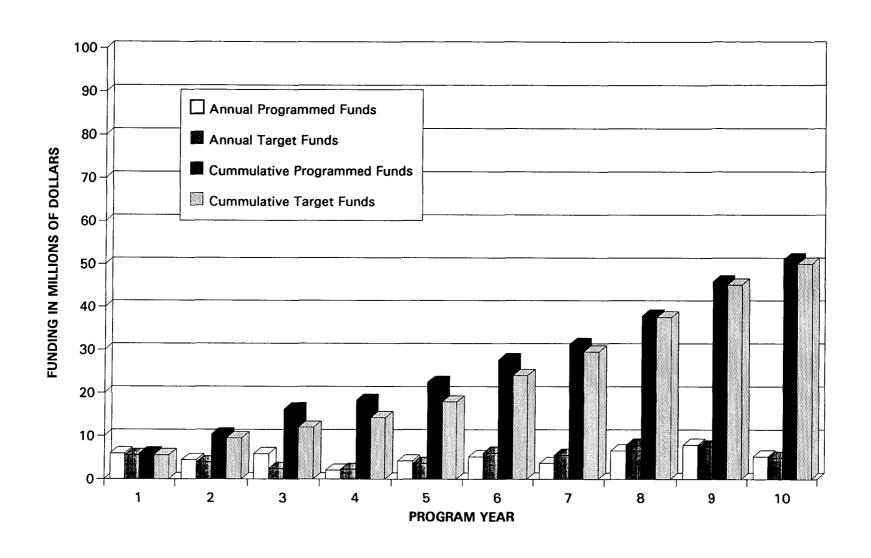
Clark County



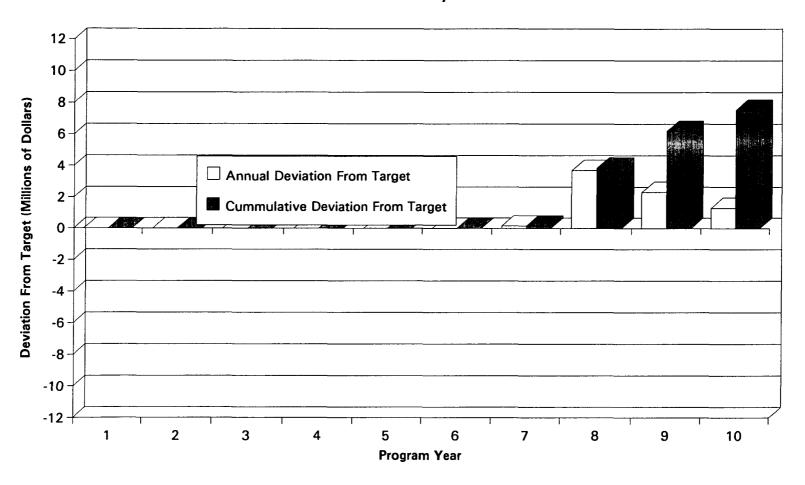
Total Program



City of Las Vegas

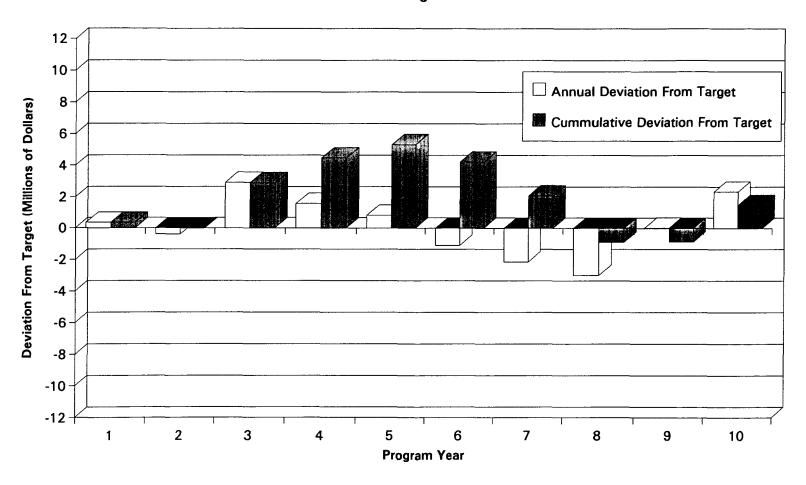


Clark County

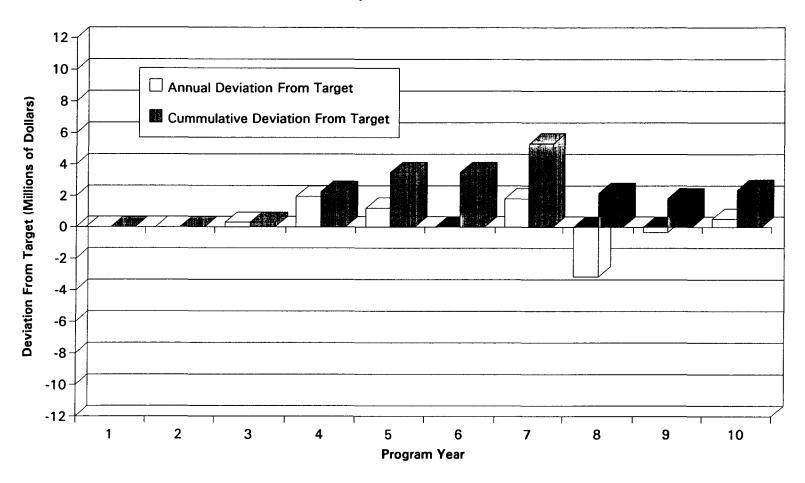


Page 1

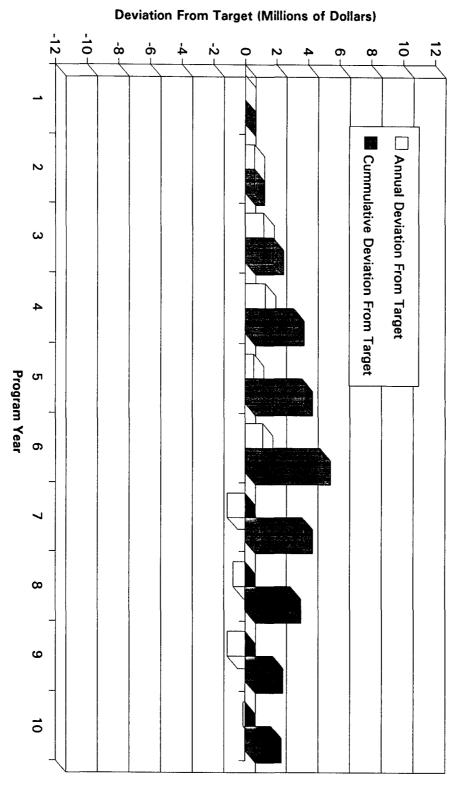
Total Program



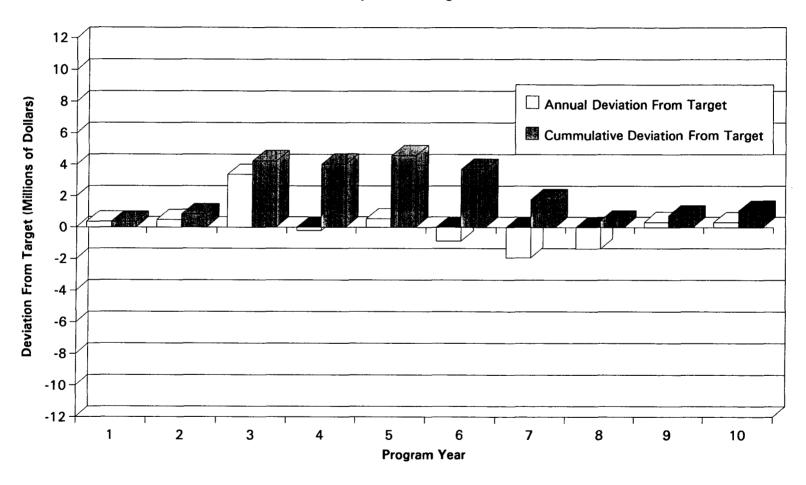
City of Henderson



City of North Las Vegas



City of Las Vegas



Page 1

CHANGES TO THE 94/95					5.550]	5.550]	5.550]						
10-YEAR CONSTRUCTION PRO	GRAM				Old Program	n	Unchang	ed	New Pro	gram				***********		
UPON UPDATE FOR 95/96					FY 94/95		FY 95/9	5	FY 96/9	7	FY 97/98	3	FY 98/99		FY 99/00)
file N:\CCRFCD\10YEAR\FY95_96\CHNC	~~~~~~			,	(Current Ye		(Year 1)	·	(Year 2)	-{	(Year 3)	·	(Year 4)		(Year5)	
Codition Description	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description HENDERSON:	Area	Cost	Value	Notes	/ROW	1	/ROW	<u> </u>	/ROW	<u> </u>	/ROW	L	/ROW		/ROW	ــــــــــــــــــــــــــــــــــــــ
Sunset Detention Basin, Collection	Pittman	\$6,420,000	1	Produci	gn funded											
System and Outfall (incl. ROW)	i ittiii eii	\$0,420,000	92.5	\$ 00000000000	gii idiided								0.642			5.778
Mission Hills Collection System	C-1 Ch.	\$6,120,000	÷		†					Prioritia	ed by R	rd Acti		95 Eur	ds acrue	
West Diversion (incl. ROW)	G 1 Cm.	\$0,120,000	103.5							5.458	***************************************	iu. Acui	3/30/	93. Full	as acrue	DY 12/3
Southwest C-1 Detention Basin	C-1 Ch.	¢2 250 000	103.3			******		444444444	·••••••	3 3.436		******		•••••		
(Black Mountain)	C-1 Cn.	\$3,350,000	93.0						0.335		0.335	2 A1E				
Northeast C-1 Detention Besin	C-1 Ch.	\$4,260,000	93.0						30.335		0.333	3.019				
& Outfall	NEW	\$4,200,000	103.5													
Northeest C-1 Leves	C-1 Ch.	\$1,830,000			***********	4444444444444	*******				***********					
	NEW	41,000,000	72.2													
Equestrien Dr Detention Basin &	C-1 Ch.	\$4,780,000	1												1	
Collection System (incl. ROW)		,, ,	103.0			4.302	(a)	5.800	Prioriti	zed for f	undina b	v Brd. A	Action 1	12/95	Funds ac	rue by '
C-1 Channel - Middle Reach (Drake	C-1 Ch.	\$5,230,000		l ower r	each design	·	·····		1			, -, -, -,				
St RR)		.0,200,000	80.0		l								0.523	4.707	1	
Pittman Park Detention Basin	Pittman	\$5,850,000			***************************************	******		**********	*************	********					***********	
			90.5										0.057	0.513	1	
Duck Creek Channel - Sunset to																
Newport Village	Duck Creek	\$561,300	80.5													
East C-1 Detention Basin	C-1 Ch.	\$1,630,000			***************************************		***********	•••••				*******		**********		
			74.5												0.244	
Pittman/Pacos Detention Basin	Pittman	\$3,468,000														
	NEW	*******************	66.7													
Whitney Hanch Channel	Pittman	\$1,092,000	1													
	NEW	~~~~	83.5													
Gibson Channel	Pittman	\$3,241,000														
	NEW	~	64.5		******				**************	******						
Equestrian Detention Basin Outfall	C-1 Ch.	\$6,065,000														
	NEW		54.0						ļ							
		ls per Fiscal Year	(x \$1,000,000)			0.000		5.800	<u></u>	5.458	İ	3.350		6.442	L	6.022
Henderson	10-Year Total:	\$49,919,000														

CHANGES TO THE 94/95 10-YEAR CONSTRUCTION PROGRAM

UPON UPDATE FOR 95/96 file N:\CCRFCD\10YEAR\FY95 96\CHNO	30E06 No			FY 00/01 (Year 6)		FY 01/02 (Year7)	2	FY 02/03 (Year 8)		FY 03/04 (Year 9)		FY04/05 (Year 10)	
THE NAME OF THE PARTY TO SOLUTION	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design !	Const.	Design :	
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	
HENDERSON:				***************************************	<u>'</u>					1		1	
Sunset Detention Basin, Collection	Pittman	\$6,420,000											
System and Outfall (incl. ROW)			92.5										
Mission Hills Collection System	C-1 Ch.	\$6,120,000											
West Diversion (incl. ROW)			103.5										
Southwest C-1 Detention Basin	C-1 Ch.	\$3,350,000					*************		•				***********
(Black Mountain)			93.0										
Northeast C-1 Detention Basin	C-1 Ch.	\$4,260,000											
& Outfall	NEW		103.5	0.652	*******		6.070		********				******
Northeast C-1 Leves	C-1 Ch.	\$1,830,000											
	NEW		72.2			0.275			1.560				
Equestrian Dr Detention Basin &	C-1 Ch.	\$4,780,000											
Collection System (incl. ROW)			103.0	<i>1</i> 95									
C-1 Channel - Middle Reach (Drake	C-1 Ch.	\$5,230,000											
St RR)			80.0					0.523		4	.707		
Pittman Park Detention Basin	Pittman	\$5,850,000											
			90.5	0.057			0.513						
Duck Creek Channel - Sunset to													
Newport Village	Duck Creek	\$561,300	80.5	0.056	0.504		0.504		******				
East C-1 Detention Basin	C-1 Ch.	\$1,630,000											
			74.5		1.384	ļ						0.163	1.467
Pittmen/Pecos Detention Basin	Pittman	\$3,468,000											
***************************************	NEW		66.7	***********	2.948		*********						
Whitney Ranch Channel	Pittman	\$1,092,000											
	NEW		83.5			ļ						0.164	0.928
Gibson Channel	Pittman	\$3,241,000											
	NEW		64.5							0.486			2.755
Equastrian Datantion Basin Outfall	C-1 Ch.	\$6,065,000	E4.0					0.760			4 205		
	NEW :	s per Fiscal Year	54.0		5.544		6 245	0.760	2.320		4.305		2047
	10-Year Total :	\$49,919,000	X 91,000,000]	·	0.044	i	6.345	1	∠.3∠0	1	4.791		3.847

CHANGES TO THE 94/95					5.550]	5.550		5.550							
10-YEAR CONSTRUCTION PROC	GRAM				Old Progran	n n	Unchange	d	New Prog	jram						
UPON UPDATE FOR 95/96					FY 94/95		FY 95/96		FY 96/97	,	FY 97/98		FY 98/99)	FY 99/00)
file N:\CCRFCD\10YEAR\FY95_96\CHNG	9596.xls				(Current Ye	ar)	(Year 1)		(Year2)		(Year 3)		(Year 4)		(Year5)	
	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Cons
Facility Description	Area	Cost	Value	Notes	/ROW		/ROW		/ROW		/ROW		/ROW		/ROW	1
LAS VEGAS (Central Las Vegas Valley) :																
Lone Mountain Detention Basin	Gowan	\$5,000,000		Interloc	al executed	10/13/94										
Phase 1	<u> </u>		111.5			1.269										
Oakey Detention Basin and	Central	\$8,114,000		Interloc	al executed	11/10/94										
Collection System - Phase 2			101.0			1.513										
Angel Park Detention Basin	Gowan	\$100,000														
Expansion			100.5			0.1	Γ	1.785	Prioritiz	ed for f	unding b	y Brd.	Action 2	/9/95. Fu	inds acru	ue by 4
Washington Avenue Channel -	Central	\$5,385,000		Interloca	el executed '	10/13/94										
Lena to Eastern Reach 3			99.0			5.384	1									
Washington Ave. Channel - Upper	Central	\$10,798,000		\$0.410	MATP		•	0.676			*************	2.471	***************************************			2.70
Reach 4 (24th - FSt.)			99.0				ľ	3.806	0.190			2.038		0.676		2.30
Freeway Conveyance South	Central	\$7,223,000							800000000000000000000000000000000000000	00000000000000000	Brd. Ac	000000000000000	MANAGON MANAGO	**************	b 0 %	
LV Cr. to Charleston	Central	V7,225,000	22.5				L	***************************************	000000000000000000000000000000000000000	occoccoccocco	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2 000000000000000000000000000000000000	40000000000000000000000000000000000000		•••
	ļ		98.5										0.500			
Oakey Drain +115 to Valley View	Central	\$3,272,000		Constru	cted w/Sew	er & RTC	1 8									
	NEW		91.5			***************************************	0.110		0.290	2.190		0.682		*******		
Freeway Channel South	Central	\$1,492,000			to Ivanhoe C	onstructe	d with ND()T								
Charleston to Sahara			93.5													
Owens Avenue System	Central	\$3,005,000		Funded	with RTC				0.080							
(Rancho to i-15)			95.5						0.200			2.926			***********	
Gowan North Channel - North	Gowan	\$4,707,000		Predesig	n funded		0.400						1.906			
Detention Basin to Lone Mnt Rd.			87.5				0.300			0.728			0.400		1.906	
Gowan North Channel - Lone	Gowan	\$600,000		Predesig	n funded											
Mtn. Rd. to CAM-10 Det. Basin			87.5												*************	
Lone Mountain System Outfall to Durango	Gowan	\$125,000	87.5								0.200			0.987		
~ · · · · · · · · · · · · · · · · · · ·	Control	6770.000	87.5								0.200					
Freeway Channel - North	Central	\$770,000			•		0.070									
Washington Ave. (I15 to Martin Luther)	ļ	***************************************	77.5		0.070		0.070	0.700		0.700						******
Colorado Avenue System	Central	\$14,770,000	_													
(Las Vegas Wash to I-515)			90.0												0.500	
		ls per Fiscal Year	(x \$1,000,000)	L		0.000		6.071		4.298		5.846	<u> </u>	2.063		4.712
Las Vegas	10-Year Total:	\$51,860,500														

велА	Facility Description
gninns/9	
slx.8636	tile N:/CCRFCD/10YEAR/FY95 96/CHNGS
	UPON UPDATE FOR 95/96
MAЯ	10-YEAR CONSTRUCTION PROG
	CHANGES TO THE 94/95

		~~~~											
				r		Y					\$21,860,500	10-Year Total :	
₹89.₽	***************************************	7.827		TTA.T		£78.£		702.2	*************	<del></del>	s per Fiscal Year (	lstoT	<del></del>
000.2		2.000	6.0		006.0					0.06		•	(GIG-I of dasW asgeV as-
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	********										000'077,41\$	lentreO	metzy2 eunevA oberolo
										B. <b>۲</b> ۲			Vashington Ave. (115 to Martin Luther)
											000'077\$	Sentral	reeway Channel - North
			321.0							<b>2.</b> 78			ogneruG of listan
				******	********	• * * * * * * * * * * * * * * * * * * *	********			<b></b>	\$152,000	Gowan	metay2 nistruoM eno.
			009.0							<b>6.78</b>	000'0004	1184400	Mtn. Rd. to CAM-10 Det. Basin
			Deleted	£90.1		£79.1		059.0		3. <b>7</b> 8	000'009\$	Gowan	Detention Basin to Lone Mnt Rd. Sowan North Channel - Lone
		1.023								320	000,707,4\$	Gowan	Jowen North Channel - North
*******		**********	•••••						*********	9.86	000 202 77		Rancho to I-15)
										3 30	000'900'8\$	Central	mets Avenue System
789.2		725.3	005.0		024.0					3.56	000 300 23	1-4-5	Sharleston to Sahara
2030		7.292			002.0					3 60	000'767'1\$	lentneO	reeway Channel South
*******								*******	+	g.16	1 000 007 13	MBM	41.02 forced)
										310	\$3,272,000	lentreO	Dakey Drain - 115 to Valley View
				₽60.3		2.000		2.000	0.500	3.86			.V Cr. to Charleston
				Z6E.Z		1EE.4					000,822,7\$	Central	reeway Conveyance South
			**********					707.2	*******	0.66			Reach 4 (24th - FSt.)
								306.2			000'864'01\$	lentreO	Washington Ave. Channel - Upper
·····									*******	0.66			ena to Eastern Reach 3
											000'988'9\$	lentneO	Asshington Avenue Channel -
									G	3.00 l			uoisuedx
											000'001\$	Gowan	Angel Park Detention Basin
		******			*****				••••••	0.101	000 0014		Collection System - Phase 2
											000'711'8\$	Central	Dakey Detention Basin and
				*******	******		•••••	*******	************	9.111			l essAc
											000'000'9\$	Gowan	nisa8 noitnete0 nistnuoM eno-
************						***************************************		***********	************	fansans , an armans , senaranana	<del></del>		AS VEGAS (Central Las Vegas Valley):
	WOA/		WOA/		WOA/		WOA/	***************	WOA/	eulsV	teoO	велА	Facility Description
.tenoO	Design	Const.	ngiseO	Const.	ngised	Const.	ngiseQ	Const.	ngiseQ	Priority	toejor9	gninns19	
	Of 18eY)		(Year 9)		(8 18eY)		(Year)		(9 18eY)	5		slx.8636	III N:/CC&ECD/10/YEAR/FY95 96/CHNG
	EX04/05		FY 03/04		FY 02/03		FY 01/02		FY 00/01				96\36 AO3 3TAG9U NO9U

CHANGES TO THE 94/95					5.550	]	5.550		5.550							
10-YEAR CONSTRUCTION PRO	GRAM				Old Progran	n	Unchange	ed	New Prog	gram						
UPON UPDATE FOR 95/96					FY 94/95		FY 95/96		FY 96/97	7	FY 97/98	3	FY 98/99		FY 99/00	l .
file N:\CCRFCD\10YEAR\FY95 96\CHNC	39596.xls				(Current Ye	ar)	(Year 1)		(Year 2)		(Year 3)		(Year 4)		(Year5)	
14.40.000000000000000000000000000000000	Planning	Project	Priority		Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	Notes	/ROW	<u></u>	/ROW		/ROW	l	/ROW	<u> </u>	/ROW		/ROW	<u> </u>
NORTH LAS VEGAS (Northern Las Vegas		·····	<del></del>		*****************	************					*************	************	400000000000000000000000000000000000000			
Confluence Detention Basin (incl.	Range	\$7,720,000	119.0		funded; cons	struction :	ou boud fi	<b>51</b>								
ROW)		A4 050 000	119.0	-	n funded	.4444444	•		·•			******	*******			
Sloan Channel (Las Vegas Wash -	Range	\$4,950,000	101.0	1	jn Tunded											1.220
Confluence Det. Basin)		44 000 000	101.0	+	-1	1 2/0/04	<b> </b>	************	+				•			
West Tributary Channel (Confluence	Range	\$4,990,000		1	el executed 0.3	12/8/94	0.5000	************	0.500	2.890		1.300		1.300		1.670
Det. Basin - Las Vegas Blvd)			98.0	·			0.5000		0.300	2.690		7.300	•••••	1.300		
Lower Las Vegas Wash Detention	N. LV Wash	\$3,990,000		E	el executed	12/8/94				2 1 7 0		3.330		2.000	1	
Basin (incl. ROW)			95.0	<del>'</del>	0.800			3.170		3.170		3.330		2.000		
Sunrise Moutain Detention Basins	Range	\$940,000														
(ROW acq.)			90.0	<b></b>				. 4444444444444			4		<b></b>			
A Channel (Lake Mead - Las Vegas	N. LV Wash	\$5,710,000	1													
Blvd)			90.0	<b>'</b>					0.500			2.605		2.505	ļ	
West Tributary Channel (LV Blvd	Range	\$4,270,000														
UPRR)		*************************	90.0	·			<u></u>			*******	<b></b>		<b></b>	********	0.800	
A Channel (LV Blvd - Camino Al	N. LV Wash	\$8,360,000		Camino	Al Norte cro	ssing cor	npieted	000000000000000								
Norte)			87.0						<b>.</b>							
A Channel Craig Road Confluence	N. LV Wash	\$1,000,000														
Structure	NEW	*************************	87.0	ļ			<b>!</b>								0.200	,
Upper Las Veges Wesh	N. LV Wash	\$4,429,000														
Craig Road to Ann Road	NEW		87.0						<b></b>				<b></b>		ļ	
East Range Wash Detention Basin	Range	\$2,650,000		1												
	NEW	***************************************	57.5													
		ils per Fiscal Year	(x \$1,000,000)	<u> </u>		0.000	<u> </u>	0.000		4.170	<u> </u>	3.330	ļ	3.300	ļ	3.890
	10-Year Total:	\$42,938,000										••••••	ļ		<b></b>	
CLARK COUNTY (Southwest Las Vegas	<del></del>		· · · · · · · · · · · · · · · · · · ·	1	***************************************				4000000000							
Lower Duck Creek Detention Basin	Duck/Blue Dia.	\$8,000,000					1									
(incl. ROW)			117.0	<b>}</b>		1.200	<b></b>		4		<b>ļ</b>		<b></b>		<b></b>	
Van Buskirk - II Ammended	Flam./Trop.	\$3,060,000				4.774	1				l					
Outfall to Flamingo Wash			106.0			6.141			4						<del> </del>	
Corps of Engineer's Tropicanal	Flam./Trop.	\$41,142,001				8.921		7.239		6.418	1	6.340		11.325		8.599
Flamingo Project			ļ	ļ			<b></b>	11.201		6.336		7.158	<b></b>	8.461	<b></b>	6.349
Flamingo Wash (Tropicana Wash	Flam./Trop.	\$4,990,000	•													
to Decatur Blvd )	NEW		101.5						4		<b></b>				<b> </b>	
Flamingo Wash (McLaod to	Flam./Trop.	\$2,490,000									1				1	
Tropipana Wash)	NEW		95.0	1								*******			<b></b>	
Buffalo/Desert Inn Drain: Rambow	Flam./Trop.	\$5,630,000														
Drein; Desert Inn Detention Basin	NEW		82.5						1							
		ls per Fiscal Year				0.000	<u> </u>	11.201	<u> </u>	6.336	L	7.158	<u> </u>	8.461	<u></u>	6.349
Clar	k County (SWLVV	110-Year Total:	\$60,410,001													

## CHANGES TO THE 94/95 10-YEAR CONSTRUCTION PROGRAM

<b>UPON UPDATE FOR 95/96</b>				FY 00/01		FY 01/0	2	FY 02/03	3	FY 03/04		FY04/05	
file N:\CCRFCD\10YEAR\FY95_96\CHNG	9596.xls	·····		(Year 6)		(Year7)		(Year 8)		(Year 9)		(Year 10	)
	Planning	Project	Priority	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const
Facility Description	Area	Cost	Value	/ROW		/ROW		/ROW		/ROW		/ROW	<u> </u>
NORTH LAS VEGAS (Northern Las Vegas													
Confluence Detention Basin (incl.	Range	\$7,720,000											
ROW)			119.0	2			********				**********		
Sloan Channel (Las Vegas Wash -	Range	\$4,950,000							6.000				
Confluence Det. Basin)			101.0	)					2.780		1.000		
West Tributary Channel (Confluence	Range	\$4,990,000											
Det. Basin - Las Vegas Blvd)			98.0						1.220				
Lower Las Vegas Wash Detention	N. LV Wash	\$3,990,000											
Basin (incl. ROW)			95.0	)									
Sunrise Moutain Detention Basins	Range	\$940,000											
(ROW acq.)	<u> </u>		90.0	)		0.940		1			1.000		2.000
A Channel (Lake Mead - Las Vegas	N. LV Wash	\$5,710,000											
Blvd)			90.0	)	5.210								
West Tributary Channel (LV Blvd	Range	\$4,270,000											
UPRR)			90.0	)	3.170		3.170						
A Channel (LV Blvd - Cemino Al	N. LV Wash	\$8,360,000		-	••••	•		***********		**********			
Norte)			87.0	0.780		0.780			2.740		2.740		
A Charmel Craig Road Confluence	N. LV Wash	\$1,000,000											
Structure	NEW		87.0	)	0.800								
Upper Las Veges Wesh	N. LV Wash	\$4,429,000		-		***************************************			444444444		**********		••••
Craig Roed to Ann Road	NEW		87.0	)						0.650			2.568
East Range Wash Detention Basin	Range	\$2,650,000											
	NEW		57.5							0.650			
	Tota	ls per Fiscal Year	× \$1,000,000	1	6.790		4.110		6.740		6.040	1	4.568
North Las Vegas	10-Year Total :	\$42,938,000						***************************************					
CLARK COUNTY (Southwest Las Vegas V	/alley) :												
Lower Duck Creek Detention Basin	Duck/Blue Dia.	\$8,000,000											
(incl. ROW)	<u> </u>		117.0			0.894	5.000		2.422		6.418		
Van Buskirk - II Ammended	Flam./Trop.	\$3,060,000											
Outfall to Flamingo Wash	<u> </u>		106.0										
Corps of Engineer's Tropicana/	Flam./Trop.	\$41,142,001			1.786								
Flamingo Project					1.638					1			
Flamingo Wash (Tropicana Wash	Flam./Trop.	\$4,990,000			*******					*************			
to Decetur Blvd.)	NEW		101.5					0.500	1.482		3.008		
Flemings Wash (McLecd to	Flam./Trop.	\$2,490,000											
Tropicans Wesh)	NEW		95.0							0.306	2.000		0.184
Buffalo/Desert Inn Drain: Rainbow	Flam./Trop.	\$5,630,000		1******		<b> </b>		**********	********		***************************************		
Drain; Desert Inn Detention Basin	NEW	,,	82.5			1						0.472	3.000
	Total	s per Fiscal Year (		1	1.638		5.894		4.404		5.314		3.656
	County (SWLVV)		\$60,410,001	*****						·			

					EXIII	DIL C										
CHANGES TO THE 94/95					5.550	7	5.550		5.550	1						
10-YEAR CONSTRUCTION PRO	OGRAM				Old Progra	m	Unchange	d	New Prog	ram						
UPON UPDATE FOR 95/96					FY 94/95	***	FY 95/96	~~~~~	FY 96/97		FY 97/98		FY 98/99		FY 99/00	······································
file N:\CCRFCD\10YEAR\FY95 96\CHI	NG9596 vie				(Current Y	aarl	(Year 1)		(Year 2)	,	(Year 3)	,	(Year 4)		(Year5)	<b>,</b>
***************************************	Planning	Project	Priority	· }	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.	Design	Const.
Facility Description	Area	Cost	Value	Notes	;	Const.	/ROW	Const.	/ROW	Const.	/ROW	Const.	/ROW	Const.	/ROW	Const.
CLARK COUNTY (Outlying Areas) :			I A SIGO	Notes	1/11.044		1 /1000		INOV	L	I /NOVV	1	1 /NOW		1 /novv	1
Hiko Springs Det, Basin Outfall	Laughlin	\$3,000,000	·	1	1	1.000	1									
		10,000,000				1.200			0.250	1.891		0.859	1			
Goodsprings - Phase 1	Goodsprings	\$352,700		Design	funded	44	***********		1				***************************************	*********	**********	
Improvements					<b>!</b>			0.500		0.500						
Searchlight - Eastern Portion	Searchlight	\$405,800	*	Design	funded											
mprovements									1							
Bunkerville	Bunkerville	\$1,297,000	*	Design	funded	•			***************************************	1.294	***********		***************************************			**************
· · · · · · · · · · · · · · · · · · ·								1.591		0.297						
Muddy River	Moapa Valley	\$8,259,000										2.480		0.255		
Overton Wash/ Railroad Channel				<u> </u>	1.800	~~~~~	1.650					4.172		2.435		D14444444444444
Overton vvash/ Railroad Channel	Moapa Valley	\$15,350,000					Prioritize	ed for tu	nding by	Board 8		12/95.			/ 2/96	
Pl DiI				-	<b></b>						0.300		1.136	1.500		0.600
Blue Diamond	Blue Diamond	\$170,000	•													
Bridge Canyon - Floodway/Outfall	Laughlin	\$9,250,000	<b></b>	· <b></b>	<b></b>			******							0.038	0.212
blidge Callyon - Floodway/Outrail	Laugniin	\$9,250,000													0.628 0.576	3.000
Indian Springs	Indian Springs	\$594.700	-	<del> </del>					+						0.576	3.000
		1001,700														
***************************************	ال	ls per Fiscal Year	( x \$1.000.000)	- <b></b>		0.000	1	1.650		4.232		5.031		3.935		3.826
Cla	ark County (Outlying				<del></del>		٠				L		.t		L	
CITY OF MESQUITE					·		~~~~									
Phase II Bank Protection	Town Wash	\$2,660,000	•						1							
I15 ta Virgin River	NEW			<u> </u>												
Earthen Channel	Abbott Wash	\$2,100,000	•													
15 to Virgin River	NEW		<u></u>													
N5 to Virgin River	Pulsipher Wash	\$1,200,000	•													
	NEW	····		<u> </u>							,,,,,,,,,,,,,,,,,,					
		ls per Fiscal Year a 10-Year Total:	\$5,960,000		<u> </u>	0.000	L	0.000	<u> </u>	0.000		0.000	Ĺ	0.000	L	0.000
BOULDER CITY	City of Mesquite	e io-rear iotal :	\$5,560,000			·····										
Channel & Box Culverts	West Airport	\$2,700,000	······································	1					***************************************	***************************************	(*********	**********	•	******		
	W Wood Ampoint	NEW														
Basin, Channels, Culverts & Drains	North	\$1,755,000		<b> </b>												
	Railroad	NEW							1							
Replace Culverts	Georgia/	\$600,000	*	1					<b>†····</b>			******		*********		******
	Buchanan	NEW							1							
	Total	ls per Fiscal Year	( x \$1,000,000)			0.000		0.000	1	0.000		0.000		0.000		0.000
		10-Year Total:	\$5,055,000													
		***************************************	*************************													************
		al per Fiscal Year			(c)	0.000		24.722		24.494		24.715		24.201		24.799
		ue Per Fiscal Year			(a)	16.281	(a)	28.238		20.996		21.795		22.614		23.457
		ue Per Fiscal Year	(x\$1,000,000)			16.281		3.517	<u> </u>	(3.498)		(2.920)		(1.586)		(1.342)
	95/96 thru 04/05 :		***************************************		***************************************			•••••								
	Projected Revenue:	\$247,768,534				***************************************										~
a) Includes revenue income, \$2.827M																

 ⁽a) Includes revenue income, \$2.827M acrued in 94/95 for 95/96 project and \$6.199M remaining from previously set aside for COE.

Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Committee   Comm	₽6.72		8£0.72		111.92		25.203		24.322		(000'000'L\$ X)	e Per Fiscal Year	Projected Revenu	
Total Park   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   Process   P	29.736	*************	076.32		720.42		83.059		23,230	******	1000'000'L\$ X	l per Fiscal Year (	stoT margor¶	
Total Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Local Date   Loc												**********		
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## PACKED CONSTRUCTION PROGRAMS   Facility Description   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign Packers   Foreign P		∞ 227.1										3	•	
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BOUNDER CONSTRUCTION PROGRAM   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page   Page		. 00T.S										1		
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10-YEAR CONSTRUCTION PROGRAM  UPON UPDATE FOR 95/96  UPON UPDATE FOR 95/96  UPON UPDATE FOR 95/96  UPON UPDATE FOR 95/96  Tile N:/CCRFCD/10YEAR/FY95 96/CHNG9596.xis  Facility Description  Facility Description  Facility Description  Facility Description  Area  CLARK COUNTY (Outlying Areas):  CLARK COUNTY (Outlying Areas):  Goodsprings Det. Basin Outfall  Condition  Area  Goodsprings  #405,000  #405,800  Goodsprings  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,800  #405,80														,
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## DEPARTMENT OF PUBLIC WORKS 10- Jonn CV

Please Notify Addressee That They Have Received A Fax

DATE: 1 - 21 - 94 FAX NUMBER: 455-3870

TO: GALE FRANKE RECO

ADDRESSEE'S TELEPHONE NUMBER: 455-3189



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NUMBER OF PAGES (INCLUDING THIS TRANSMITTAL SHEET): 2____

FROM: Dans Cookersurce

SENDER'S TELEPHONE NUMBER: 455 - 8311

This Message Originated From The Following Public Works Office/Fax Machine

### Check (√) one:

Administration -- (702) 455-7764 Beltway Office -- (702) 455-8284

Community Development -- (702) 388-2550

Construction/Design -- (702) 455-8314

Environmental Control -- (702) 252-5008

Maintenance Management -- (702) 435-4702

Traffic Operations/Vector Control -- (702) 454-8968

Quality Control/Materials Lab -- (702) 455-7464











## PREVIOUS RFCD ACTIONS TO AMEND 10 YEAR PROGRAM

DATE	PROJECT	ACTION
8-13-92	Meadow-Alta Storm Drain	Added project to first year of 10 Year Program and approved \$954,000 in funding. Reduced Oakey Detention funds.
8-13-92	Freeway-Channel Sahara to Ivanhoe	Added project to first year of 10 Year Program because NDOT was building a single box for drainage on the I-15 Sahara Flyover and MP proposed double boxes. To reduce future cost, project was added even though no RFCD connections were proposed for 10 to 15 years. Project was 50/50 cost share with NDOT. RFCD share \$710,000.
11-12-92	Lower Duck Creek Basin	Moved predesign from second year to first year of program. Predesign for Tropicana Basin was deleted from first year to provide \$300,00 for predesign.
12-10-92	Camino Al Norte	Added project to first year of 10 Year Program because of opportunity for 51% participation by developer. Reduced obligation to Western Tributary in year nine of 10 Year Program to provide \$300,000.
3-11-93	Washington Avenue Conveyance (Virgil to Lena)	Moved funding programmed for years four and five to year one for construction. Total moved \$3,350,000.
3-11-93	C-1 Channel	Moved funding and project programmed in year three to year one. \$200,000 impact.
8-11-93	Kyle Canyon Detention	Originally proposed by NLV 5/93. Approved changes to 10 Year Program that moved project to a current year project and provided uncommitted bond funds of \$3,800,000. Total project cost \$13,113,000.
11-15-93	Cheyenne Channel Crossing	Moved funding programmed in 94/95 to 93/94 because of opportunity to obtain 51% developer participation, \$709,000.
12-9-93	Sloan Channel-Las Vegas Wash to Owens	Moved funding of \$2,150,000 from FY 94/95 to be added to FY 93/94 programmed amount of \$2,400,000 for total of \$4,550,000.
1-13-94	Washington Avenue Conveyance Lena Street to Eastern	Moved project construction from years two and four to year one. Total amount from future projects \$5,384,000.