

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

**ANNUAL MAINTENANCE WORK PROGRAM
FIRST SUPPLEMENTAL INTERLOCAL CONTRACT – FY 2019-2020
CITY OF HENDERSON**

RECOMMENDATION SUMMARY

STAFF:

Approve.

TECHNICAL ADVISORY:

The Technical Advisory Committee meeting of March 26, 2020 was cancelled.

CITIZENS ADVISORY:

The Citizens Advisory Committee meeting of March 30, 2020 was cancelled.

**RFCD AGENDA
ITEM #08
DATE: 04/09/2020**

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 03/30/2020

**FISCAL YEAR 2019-2020 MAINTENANCE WORK PROGRAM – CITY OF HENDERSON
FIRST SUPPLEMENTAL INTERLOCAL CONTRACT**

The City of Henderson has submitted a request to approve a first supplemental interlocal contract for the FY 2019-20 Maintenance Work Program to increase funding in the amount of \$1,600,000.

On June 13, 2019, the Regional Flood Control District entered into an interlocal contract with the City of Henderson to maintain Regional Flood Control Facilities within the City of Henderson.

The additional funding is being requested to complete work on recently advertised projects and miscellaneous maintenance work activities for the remainder of the fiscal year. The first bid included the headwall and culvert repairs for the Sandwedge Channel at Windmill Road and the repair of the energy dissipator bottom slab for the Pittman Railroad West Channel at the confluence with the Pittman Wash. The second bid included the erosion repair to the Northeast C-1 Detention Basin and the spillway concrete repair and improvements to limit public access for the East C-1 Detention Basin. The repairs to PTRW0000 and C1HV0140 were not identified in time to include in the budget for FY 20 and the bid amounts for PWSW0019 and C1HV0140 exceeded the estimate budget amounts resulting the need to increase funding

District funding will be as follows:

	Current Funding	Increase/Decrease	Proposed Funding
FY 2019-20 MWP City of Henderson	\$2,250,700	\$1,600,000	\$3,850,700

The District Attorney has reviewed the contract.

Staff Recommendation:

Approve.

Discussion by Technical Advisory Committee:

AGENDA
Date: 03/26/2020

The Technical Advisory Committee Meeting was cancelled.

Recommendation:

Discussion by Citizens Advisory Committee:

AGENDA
Date: 03/30/2020

The Citizens Advisory Committee Meeting was cancelled.

Recommendation:

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT: ANNUAL MAINTENANCE WORK PROGRAM 2019-2020
PETITIONER: CITY OF HENDERSON
RECOMMENDATION OF PETITIONER: IT IS RECOMMENDED THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT APPROVE THIS FIRST SUPPLEMENTAL INTERLOCAL CONTRACT FOR THE MAINTENANCE OF REGIONAL FLOOD CONTROL FACILITIES FOR FY 2019-2020 (FOR POSSIBLE ACTION)

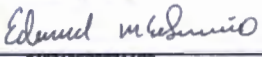
FISCAL IMPACT:	Current	Proposed	Fiscal Impact
	\$2,250,700	\$3,850,700	\$1,600,000

BACKGROUND:

On June 13, 2019 the Clark County Regional Flood Control District entered into an interlocal contract with the City of Henderson to maintain Regional Flood Control Facilities within the City of Henderson. This First Supplemental Interlocal Contract will provide additional funding for the City of Henderson's FY 2019-2020 Annual Maintenance Work Program.

The additional funding is being requested to complete work on recently advertised projects and miscellaneous maintenance work activities for the remainder of the fiscal year that exceed the remaining FY20 maintenance work program budget. The first bid included the headwall and culvert repairs for the Sandwedge Channel at Windmill Road (PTSW0019) and the repair of the energy dissipator bottom slab for the Pittman Railroad West Channel (PTRW0000) at the confluence with the Pittman Wash (PTWA0105). The second bid included the erosion repair to the Northeast C-1 Detention Basin (C1HV0140) and the spillway concrete repair and improvements to limit public access for the East C-1 Detention Basin (C1DC0303). The repairs to the PTRW0000 and C1HV0140 were not identified in time to include in the budget for FY20 and the bid amounts for PTSW0019 and C1HV0140 exceeded the estimated budget amounts resulting in the need to request additional funding.

Respectfully submitted,

DocuSigned by:

0487136B98714C2...
Edward McGuire, P.E.
Director of Public Works

TAC AGENDA ITEM # Date: 03/26/2020	RFCD AGENDA ITEM # 08 Date: 04/09/2020
CAC AGENDA ITEM # Date: 03/30/2020	

AJ:mvp

**FIRST SUPPLEMENTAL INTERLOCAL CONTRACT
ANNUAL MAINTENANCE WORK PROGRAM**

This FIRST SUPPLEMENTAL INTERLOCAL CONTRACT, made and entered into this ____ day of _____, 2020, by and between the CITY OF HENDERSON, a political subdivision of the State of Nevada, hereinafter referred to as "CITY", and the CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT, hereinafter referred to as "DISTRICT".

W I T N E S S E T H:

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve and fund projects to maintain flood control improvements; and

WHEREAS, pursuant to NRS 277.180 any one or more public agencies may contract with one or more other public agencies to perform any governmental service, activity or undertaking which any of the public agencies is authorized by law to perform; and

WHEREAS, the CITY desires to maintain flood control improvements within the CITY in accordance with the maintenance program set forth herein, and hereinafter referred to as "Project"; and

WHEREAS, an Interlocal Contract was approved between the CITY and the DISTRICT on June 13, 2019 to provide maintenance funding; and

WHEREAS, the facilities upon which maintenance will be performed are facilities described in the DISTRICT'S Master Plan.

NOW, THEREFORE, in consideration of the covenants, conditions, agreements, and promises of the parties hereto, the DISTRICT authorizes the Project as it is mutually understood and agreed as follows:

SECTION II - PROJECT COSTS, paragraph 1 shall be revised to read as follows:

The DISTRICT agrees to make payment for Project costs within the limits specified below:

1. The Project costs shall not exceed \$3,850,700.

The amounts allocated to each individual facility within the Project must be specified in Supplement 1 Amended Budget. Any changes to said allocated amounts must be approved by the

DISTRICT'S Chief Engineer in accordance with Section 4.24 of the DISTRICT *Operations and Maintenance Manual*.

A written request must be made to the DISTRICT and a Supplemental Interlocal Contract approved to increase the amount noted above prior to payment of any additional funds.

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The remainder of the original Interlocal Contract dated June 13, 2019 shall remain unchanged.

IN WITNESS WHEREOF, this First Supplemental Interlocal Contract is hereby executed
as of the date first set forth above.

Date of District Action:

REGIONAL FLOOD CONTROL DISTRICT

ATTEST:

BY: _____
LAWRENCE L. BROWN III, Chair

DEANNA HUGHES, Secretary to the Board

Approved as to Form:

BY: _____
CHRISTOPHER FIGGINS
Chief Deputy District Attorney

Date of Council Action:

CITY OF HENDERSON

Richard A. Derrick, City Manager/CEO

ATTEST:

Approved as to Form:

Sabrina Mercadante, MMC, City Clerk

Nicholas G. Vaskov, City Attorney

Approved as to Funding:

Approved as to Content:

Jim McIntosh
Chief Financial Officer

Edward McGuire
Director of Public Works

**CITY OF HENDERSON
MAINTENANCE WORK PROGRAM
FY20 SUPPLEMENT 1 AMENDED BUDGET**

Master Plan Facility ID	MWP Facility Number	Facility Description	Cost
C1CH 0000-0452, C1CT 0000-0075, C1DC 0000-0303, C1E1 0000-0065, C1EQ 0000-0297, C1FK 0000-0073, C1H1 0000-0003, C1H2 0000-0001, C1HV 0000-0300, C1IT 0273, C1LM 0000-0130, C1RT 0001-0044, LLMW 0000, LLMW 0129, LLMW 0203	HN65	C1 NORTH	1,948,660.67
C1BH 0000-0214, C1CH 0455-0674, C1CH 0711, C1CH 0742-1138, C1GW 0000-0081, C1U1 0000-0062, C1US 0000-0078	HN66	C1 SOUTH	93,267.79
PTBR 0067-0175, PTGB 0058-0249, PTVW 0000-0187	HN67	PITTMAN CENTRAL NE	145,300.00
PTHR 0000-0210, PTIS 0000-0258, PTPD 0010-0063, PTRR 0000-0135, PTWH 0000-0116	HN68	PITTMAN CENTRAL SE	632,500.00
DCWA 0646-0670, PTDC 0026-0237, PTPE 0000-0166, PTRW 0000-0170, PTSW 0000-0129, PTWA 0000-0476, WWDC 0000-0109	HN69	PITTMAN CENTRAL NW	731,633.13
PTDW 0000-0088, PTFD 0000-0111, PTLM 0000-0078, PTMR 0000-0399, PTRE 0000-0267, PTST 0000-0170, PTVV 0000-0005	HN70	PITTMAN CENTRAL SW	80,151.13
PTAD 0000-0070, PTAN 0000-0280, PTAT 0000-0007, PTCR 0000-0036, PTDY 0000, PTEA 0493-0773, PTOG 0000-0016, PTPN 0000-0039, PTRD 0000-0055, PTSA 0000-0091, PTSE 0000-0346, PTSN 0000-0063, PTSS 0000-0012, PTWS 0000-0063	HN71	PITTMAN ANTHEM INSPIRADA	114,890.00
PTAP 0000-0191, PTEA 0000-0244, PTEA 0437-0439, PTGV 0000-0073, PTHD 0000-0020, PTPW 0000-0309, PTSH 0011-0084	HN72	PITTMAN SEVEN HILLS	81,797.28
DCLA 0035, DCN1 0000, PTBE 0140, PTN2 0000-0251, PTN3 0000, PTN5 0000, PTN6 0000, PTN7 0001, PTN8 0000-0039, PTN9 0000-0027, PTNO 0139-0195, PTSO 0104-0153, PTWA 0815-0983	HN73	PITTMAN WEST HENDERSON	22,500.00
		SUBTOTAL	\$3,850,700.00

EXHIBIT "A"

Albert J. Jankowiak
Project Manager

12/31/19
Date

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY20 SUPPLEMENT 1 AMENDED BUDGET**

MWP Facility#: HN05

Entity: CITY OF HENDERSON

Facility Name: C1 NORTH

Date Prepared: 3/4/2020

MP Facility ID: C1CH 0000-0452, C1CT 0000-0075, C1DC 0000-0303, C1E1 0000-0085, C1EQ 0000-0297, C1FK 0000-0073, C1H1 0000-0003, C1H2 0000-0001, C1HV 0000-0300, C1IT 0273, C1LM 0000-0130, C1RT 0001-0044, LLMW 0000, LLMW 0129, LLMW 0203

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment and Inventory	\$130,000.00	\$5,000.00	\$0.00	0%	
5	Inspect Channels	\$5,000.00	\$5,000.00	\$2,741.99	55%	
6	Inspect Levees/Detention and Debris Basins	\$5,000.00	\$5,000.00	\$4,032.27	81%	
8	Species Survey and Removal					
10		\$18,009.15	\$18,009.15	\$10,859.98	60%	
15	Repair Lined Channel	\$9,000.00	\$9,000.00	\$0.00	0%	
20	Erosion Control and Repair	\$35,420.17	\$35,420.17	\$35,420.17	100%	
21	Provide/Maintain Dust Control	\$2,332.42	\$2,332.42	\$2,332.42	100%	
25	Clean Detention/Debris Basins	\$5,000.00	\$100,000.00	\$0.00	0%	
35	Fence Repair	\$3,139.83	\$12,200.00	\$3,139.83	26%	
40	Vegetation Control - Chemical	\$258.32	\$258.32	\$258.32	100%	
45	Vegetation Control - Mechanical	\$10,000.00	\$10,000.00	\$6,598.09	66%	
50	Maintain Access Road					
55	Clean & Inspect Inlet/Outlet Structures	\$1,000.00	\$1,000.00	\$0.00	0%	
60	Repair Inlet/Outlet Structures		\$1,500,600.50	\$100.50	0%	
65	Clean Storm Sewer Lines					
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges					
80	Miscellaneous Work Activities	\$1,340.11	\$1,340.11	\$1,340.11	100%	
85	Engineering	\$118,000.00	\$243,500.00	\$147,231.53	60%	
90	Homeless Encampment Cleanup					
	TOTALS	\$343,500.00	\$1,948,660.67	\$214,055.19		Jun-2020

Delays or Problem Areas:

Black Mountain DB Sediment and Debris Removal delayed due to Nevada Division of Environmental Protection and Clark County Department of Air Quality Issue.

Work completed during prior fiscal year:

Act 3 - Select a consultant to start the Asset Management Program for Regional Flood Control Facilities. Act 40, Act 45 - C1 Channel remove vegetation and re-establish flowline in natural portion of C1 Channel downstream of Tuscany subdivision. Act 15, Act 21, Act 25, Act 50 - East C-1 Detention Basin (C1DC 0302 and C1DC 0303); response to Nevada Division of Water Resources-Dam Safety Engineer's Office requirement of immediate action. Act 25 - Drake Channel Confluence. Other expenditures on this facility were for regular maintenance activities.

Work to be completed during current fiscal year:

Act 3 - Consultant to start the Asset Management Program for Regional Flood Control Facilities. Act 25, Act 60, Act 85 - East C-1 Detention Basin (C1DC 0302 and C1DC 0303) and Northeast C1 Detention Basin (C1HV 0140); remove sediment and debris from detention basin and repair erosion on embankments. Other budgeted funding to be expended on this facility for regular maintenance activities.

Consultant/
Contractor:
Project
Manager:

Albert J. Jankowski

(702) 267-3024

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY20 SUPPLEMENT 1 AMENDED BUDGET**

MWP Facility#: HN66

Entity: CITY OF HENDERSON

Facility Name: C1 SOUTH

Date Prepared: 3/4/2020

MP Facility ID: C1BH 0000-0214, C1CH 0455-0674, C1CH 0711, C1CH 0742-1138, C1GW 0000-0081, C1U1 0000-0062, C1US 0000-0078

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment and inventory	\$126,216.16	\$5,000.00	\$0.00	0%	
5	Inspect Channels	\$3,500.00	\$3,500.00	\$2,443.63	70%	
6	Inspect Levees/Detention and Debris Basins	\$5,000.00	\$5,000.00	\$2,477.23	50%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$15,500.00	\$10,500.00	\$264.92	3%	
15	Repair Lined Channel	\$14,000.00	\$10,000.00	\$0.00	0%	
20	Erosion Control and Repair	\$10,000.00	\$5,000.00	\$0.00	0%	
21	Provide/Maintain Dust Control	\$10,000.00	\$5,000.00	\$0.00	0%	
25	Clean Detention/Debris Basins	\$10,000.00	\$5,000.00	\$0.00	0%	
35	Fence Repair	\$13,500.00	\$13,500.00	\$2,627.62	19%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$25,000.00	\$17,651.31	\$0.00	0%	
50	Maintain Access Road					
55	Clean & Inspect Inlet/Outlet Structures	\$500.00	\$500.00	\$0.00	0%	
60	Repair Inlet/Outlet Structures					
65	Clean Storm Sewer Lines					
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges	\$1,000.00	\$500.00	\$0.00	0%	
80	Miscellaneous Work Activities	\$5,000.00	\$116.48	\$116.48	100%	
85	Engineering	\$8,500.00	\$10,000.00	\$9,331.66	93%	
90	Homeless Encampment Cleanup	\$6,500.00	\$2,000.00	\$1,175.92	59%	
TOTALS		\$254,216.16	\$93,267.79	\$18,437.46		Jun-2020

Delays or Problem Areas:

Work completed during prior fiscal year:

Act 3 - Select a consultant to start the Asset Management Program for Regional Flood Control Facilities. Act 40, Act 45 - C1 Channel remove vegetation and re-establish flowline in natural portion of C1 Channel downstream of Tuscany subdivision. Act 15, Act 21, Act 25, Act 50 - East C-1 Detention Basin (C1DC 0302 and C1DC 0303); response to Nevada Division of Water Resources-Dam Safety Engineer's Office requirement of immediate action. Act 25 - Drake Channel Confluence. Other expenditures of this facility were for regular maintenance activities.

Work to be completed during current fiscal year:

Act 3 - Consultant to start the Asset Management Program for Regional Flood Control Facilities. Other budgeted funding to be expended on this facility for regular maintenance activities.

Consultant/

Contractor:

Project

Manager:

Albert J. Jankowski

(702) 267-3024

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY20 SUPPLEMENT 1 AMENDED BUDGET**

MWP Facility#: HN67
 Facility Name: PITTMAN CENTRAL NE
 MP Facility ID: PTBR 0067-0175, PTGB 0058-0249, PTWV 0000-0187

Entity: CITY OF HENDERSON
 Date Prepared: 3/4/2020

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment and Inventory					
5	Inspect Channels	\$1,800.00	\$1,800.00	\$698.32	39%	
6	Inspect Levees/Detention and Debris Basins	\$2,000.00	\$2,000.00	\$1,083.89	54%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$30,500.00	\$30,500.00	\$3,301.39	11%	
15	Repair Lined Channel	\$9,000.00	\$9,000.00	\$0.00	0%	
20	Erosion Control and Repair	\$1,000.00	\$1,000.00	\$0.00	0%	
21	Provide/Maintain Dust Control	\$2,000.00	\$2,000.00	\$763.96	38%	
25	Clean Detention/Debris Basins	\$50,000.00	\$50,000.00	\$5,826.10	12%	
35	Fence Repair	\$17,000.00	\$17,000.00	\$80.45	0%	
40	Vegetation Control - Chemical	\$221.41	\$221.41	\$221.41	100%	
45	Vegetation Control - Mechanical	\$18,207.35	\$18,207.35	\$2,856.16	16%	
50	Maintain Access Road					
55	Clean & Inspect Inlet/Outlet Structures	\$1,127.67	\$1,127.67	\$1,127.67	100%	
60	Repair Inlet/Outlet Structures					
65	Clean Storm Sewer Lines					
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges	\$1,000.00	\$1,000.00	\$0.00	0%	
80	Miscellaneous Work Activities					
85	Engineering	\$8,000.00	\$9,000.00	\$8,775.87	98%	
90	Homeless Encampment Cleanup	\$2,443.57	\$2,443.57	\$2,443.57	100%	
	TOTALS	\$144,300.00	\$145,300.00	\$27,178.79		Jun-2020

Delays or Problem Areas:

Work completed during prior fiscal year:

Act 3 - Select a consultant to start the Asset Management Program for Regional Flood Control Facilities. Act 40, Act 45 - C1 Channel remove vegetation and re-establish flowline in natural portion of C1 Channel downstream of Tuscany subdivision. Act 15, Act 21, Act 25, Act 50 - East C-1 Detention Basin (C1DC 0302 and C1DC 0303); response to Nevada Division of Water Resources-Dam Safety Engineer's Office requirement of immediate action. Act 25 - Drake Channel Confluence. Other expenditures of this facility were for regular maintenance activities.

Work to be completed during current fiscal year:

Budgeted funding to be expended on this facility for regular maintenance activities.

Consultant/
 Contractor:
 Project
 Manager: Albert J. Jankowiak

(702) 267-3024

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY20 SUPPLEMENT 1 AMENDED BUDGET**

MWP Facility#: HN68
Facility Name: PITTMAN CENTRAL SE

Entity: CITY OF HENDERSON
Date Prepared: 3/4/2020

MP Facility ID: PTHR 0000-0210, PTIS 0000-0258, PTPD 0010-0063, PTRR 0000-0135, PTWH 0000-0116

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment and Inventory					
5	Inspect Channels	\$3,600.44	\$3,600.44	\$3,600.44	100%	
6	Inspect Levees/Detention and Debris Basins	\$1,000.00	\$1,000.00	\$193.90	19%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$20,500.00	\$20,500.00	\$1,707.68	8%	
15	Repair Lined Channel	\$459,000.00	\$459,000.00	\$0.00	0%	
20	Erosion Control and Repair	\$268.39	\$268.39	\$268.39	100%	
21	Provide/Maintain Dust Control	\$768.17	\$768.17	\$0.00	0%	
25	Clean Detention/Debris Basins					
35	Fence Repair	\$14,000.00	\$14,000.00	\$6,051.93	43%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$43,365.00	\$43,365.00	\$4,066.43	9%	
50	Maintain Access Road					
55	Clean & Inspect Inlet/Outlet Structures					
60	Repair Inlet/Outlet Structures					
65	Clean Storm Sewer Lines					
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges	\$6,000.00	\$6,000.00	\$5,921.59	99%	
80	Miscellaneous Work Activities					
85	Engineering	\$77,500.00	\$77,500.00	\$50,325.82	65%	
90	Homeless Encampment Cleanup	\$8,500.00	\$8,500.00	\$1,898.21	29%	
	TOTALS	\$632,500.00	\$632,500.00	\$74,032.39		Jun-2020

Delays or Problem Areas:

I-515 Channel repair delayed due to the need for additional engineering analysis prior to construction.

Work completed during prior fiscal year:

Act 3 - Select a consultant to start the Asset Management Program for Regional Flood Control Facilities. Act 40, Act 45 - C1 Channel remove vegetation and re-establish flowline in natural portion of C1 Channel downstream of Tuscany subdivision. Act 15, Act 21, Act 25, Act 50 - East C-1 Detention Basin (C1DC 0302 and C1DC 0303); response to Nevada Division of Water Resources-Dam Safety Engineer's Office requirement of immediate action. Act 25 - Drake Channel Confluence. Other expenditures of this facility were for regular maintenance activities.

Work to be completed during current fiscal year:

Act 15, Act 85 - I-515 Channel (PTIS 0029-0166); re-establish the channel and repair the reno mattresses along the I-515 near Horizon and Horizon Ridge. Budgeted funding to be expended on this facility for regular maintenance activities.

Consultant/
Contractor:
Project
Manager:

Albert J. Jankowiak

(702) 267-3024

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY20 SUPPLEMENT 1 AMENDED BUDGET**

MWP Facility#: HN69
 Facility Name: PITTMAN CENTRAL NW
 DCWA 0646-0670, PTDC 0026-0237, PTPE 0000-0166, PTRW 0000-0170, PTSW 0000-0129,
 MP Facility ID: PTWA 0000-0476, WWDC 0000-0109

Entity: CITY OF HENDERSON
 Date Prepared: 3/4/2020

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment and Inventory					
5	Inspect Channels	\$1,200.00	\$1,200.00	\$596.69	50%	
6	Inspect Levees/Detention and Debris Basins	\$608.75	\$608.75	\$608.75	100%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$28,800.86	\$28,800.86	\$19,547.81	68%	
15	Repair Lined Channel	\$9,000.00	\$31,000.00	\$0.00	0%	
20	Erosion Control and Repair	\$3,160.50	\$3,160.50	\$3,160.50	100%	
21	Provide/Maintain Dust Control	\$1,948.90	\$1,948.90	\$1,948.90	100%	
25	Clean Detention/Debris Basins					
35	Fence Repair	\$16,580.24	\$16,580.24	\$7,757.26	47%	
40	Vegetation Control - Chemical	\$1,250.62	\$2,463.90	\$2,463.90	100%	
45	Vegetation Control - Mechanical	\$154,000.00	\$185,000.00	\$183,339.63	99%	
50	Maintain Access Road					
55	Clean & Inspect Inlet/Outlet Structures					
60	Repair Inlet/Outlet Structures	\$250,000.00	\$369,000.00	\$0.00	0%	
65	Clean Storm Sewer Lines					
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges	\$1,254.29	\$1,254.29	\$1,254.29	100%	
80	Miscellaneous Work Activities	\$376.29	\$376.29	\$376.29	100%	
85	Engineering	\$57,500.00	\$88,500.00	\$50,559.71	57%	
90	Homeless Encampment Cleanup	\$103.39	\$1,739.40	\$1,739.40	100%	
TOTALS		\$525,783.84	\$731,633.13	\$273,353.13		Jun-2020

Delays or Problem Areas:

Work completed during prior fiscal year:

Act 3 - Select a consultant to start the Asset Management Program for Regional Flood Control Facilities. Act 40, Act 45 - C1 Channel remove vegetation and re-establish flowline in natural portion of C1 Channel downstream of Tuscan subdivision. Act 15, Act 21, Act 25, Act 50 - East C-1 Detention Basin (C1DC 0302 and C1DC 0303); response to Nevada Division of Water Resources-Dam Safety Engineer's Office requirement of immediate action. Act 25 - Drake Channel Confluence. Other expenditures on this facility were for regular maintenance activities.

Work to be completed during current fiscal year:

Act 15, Act 85 - Construction and repair of culvert headwall at Sandwedge Channel. Act 85 - Structural review and recommendations for repair of energy dissipator (PTWA 0078) and prepare plans for repair of unlined embankment at PTWA 0346. Act 60, Act 85: Pitman Wash UPRR Confluence (PTRW 0000); repair of outlet structure. Other budgeted funding to be expended on this facility for regular maintenance activities.

Consultant/
 Contractor:
 Project
 Manager:

Albert J. Jankowski

(702) 267-3024

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY20 SUPPLEMENT 1 AMENDED BUDGET**

MWP Facility#: HN70

Entity: CITY OF HENDERSON

Facility Name: PITTMAN CENTRAL SW

Date Prepared: 3/4/2020

MP Facility ID: PTDW 0000-0088, PTFD 0000-0111, PTLM 0000-0078, PTMR 0000-0399, PTRE 0000-0287, PTST 0000-0170, PTVV 0000-0005

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment and Inventory					
5	Inspect Channels	\$2,500.00	\$2,500.00	\$842.11	34%	
6	Inspect Levees/Detention and Debris Basins					
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$20,226.00	\$20,226.00	\$0.00	0%	
15	Repair Lined Channel	\$9,000.00	\$9,000.00	\$0.00	0%	
20	Erosion Control and Repair					
21	Provide/Maintain Dust Control					
25	Clean Detention/Debris Basins	\$2,500.00	\$2,500.00	\$0.00	0%	
35	Fence Repair	\$11,000.00	\$11,000.00	\$495.84	5%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$26,774.00	\$26,774.00	\$3,882.25	15%	
50	Maintain Access Road					
55	Clean & Inspect Inlet/Outlet Structures					
60	Repair Inlet/Outlet Structures					
65	Clean Storm Sewer Lines					
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges	\$1,000.00	\$1,000.00	\$0.00	0%	
80	Miscellaneous Work Activities		\$151.13	\$151.13	100%	
85	Engineering	\$7,000.00	\$7,000.00	\$6,769.23	97%	
90	Homeless Encampment Cleanup					
TOTALS		\$80,000.00	\$80,151.13	\$12,140.56		Jun-2020

Delays or Problem Areas:

Work completed during prior fiscal year:
Act 3 - Select a consultant to start the Asset Management Program for Regional Flood Control Facilities. Act 40, Act 45 - C1 Channel remove vegetation and re-establish flowline in natural portion of C1 Channel downstream of Tuscan subdivision. Act 15, Act 21, Act 25, Act 50 - East C -1 Detention Basin (C1DC 0302 and C1DC 0303); response to Nevada Division of Water Resources-Dam Safety Engineer's Office requirement of immediate action. Act 25 - Drake Channel Confluence. Other expenditures on this facility were for regular maintenance activities.

Work to be completed during current fiscal year:

Budgeted funding to be expended on this facility for regular maintenance activities.

Consultant/
Contractor:
Project
Manager: Albert J. Jankowski

(702) 267-3024

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY20 SUPPLEMENT 1 AMENDED BUDGET**

MWP Facility#: HN71
Facility Name: PITTMAN ANTHEM INSPIRADA

Entity: CITY OF HENDERSON
Date Prepared: 3/4/2020

MP Facility ID: FTAD 0000-0070, PTAN 0000-0280, PTAT 0000-0007, PTCR 0000-0036, PTDY 0000, PTEA 0483-0773, PTOG 0000-0016, PTPN 0000-0039, PTRD 0000-0055, PTSA 0000-0091, PTSE 0000-0346, PTSN 0000-0063, PTSS 0000-0012, PTWS 0000-0063

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment and Inventory					
5	Inspect Channels	\$5,000.00	\$5,000.00	\$2,317.92	46%	
6	Inspect Levees/Retention and Debris Basins	\$5,000.00	\$5,000.00	\$2,532.69	51%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$19,971.66	\$19,971.66	\$734.34	4%	
15	Repair Lined Channel	\$9,000.00	\$9,000.00	\$0.00	0%	
20	Erosion Control and Repair					
21	Provide/Maintain Dust Control	\$5,000.00	\$5,000.00	\$0.00	0%	
25	Clean Detention/Debris Basins	\$15,000.00	\$15,000.00	\$0.00	0%	
35	Fence Repair	\$14,000.00	\$14,000.00	\$5,798.10	41%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$28,950.00	\$28,950.00	\$0.00	0%	
50	Maintain Access Road	\$900.00	\$900.00	\$0.00	0%	
55	Clean & Inspect Inlet/Outlet Structures	\$1,000.00	\$1,000.00	\$0.00	0%	
60	Repair Inlet/Outlet Structures					
65	Clean Storm Sewer Lines	\$500.00	\$500.00	\$0.00	0%	
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges	\$1,500.00	\$1,500.00	\$0.00	0%	
80	Miscellaneous Work Activities	\$478.34	\$1,468.34	\$1,468.34	100%	
85	Engineering	\$7,000.00	\$8,000.00	\$7,171.51	90%	
90	Homeless Encampment Cleanup					
TOTALS		\$112,900.00	\$114,890.00	\$20,022.90		Jun-2020

Delays or Problem Areas:

Work completed during prior fiscal year:

Act 3 - Select a consultant to start the Asset Management Program for Regional Flood Control Facilities. Act 40, Act 45 - C1 Channel remove vegetation and re-establish flowline in natural portion of C1 Channel downstream of Tuscan subdivision. Act 15, Act 21, Act 25, Act 50 - East C -1 Detention Basin (C1DC 0302 and C1DC 0303); response to Nevada Division of Water Resources-Dam Safety Engineer's Office requirement of immediate action. Act 25 - Drake Channel Confluence. Other expenditures on this facility were for regular maintenance activities.

Work to be completed during current fiscal year:

Budgeted funding to be expended on this facility for regular maintenance activities.

Consultant/
Contractor:
Project
Manager:

Albert J. Jankowiak

(702) 267-3024

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY20 SUPPLEMENT 1 AMENDED BUDGET**

MWP Facility#: HN72
 Facility Name: PITTMAN SEVEN HILLS
 MP Facility ID: PTAP 0000-0191, PTEA 0000-0244, PTEA 0437-0438, PTGV 0000-0073, PTHD 0000-0020, PTPW 0000-0309, PTSH 0011-0084

Entity: CITY OF HENDERSON
 Date Prepared: 3/4/2020

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment and Inventory					
5	Inspect Channels	\$2,500.00	\$2,500.00	\$1,665.49	67%	
6	Inspect Levees/Detention and Debris Basins	\$6,000.00	\$6,000.00	\$3,981.69	66%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$20,500.00	\$10,000.00	\$797.17	8%	
15	Repair Lined Channel	\$19,000.00	\$10,000.00	\$0.00	0%	
20	Erosion Control and Repair					
21	Provide/Maintain Dust Control	\$10,000.00	\$10,000.00	\$822.74	8%	
25	Clean Detention/Debris Basins	\$10,000.00	\$10,000.00	\$0.00	0%	
35	Fence Repair	\$14,000.00	\$14,000.00	\$703.14	5%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$22,855.20	\$10,000.00	\$0.00	0%	
50	Maintain Access Road					
55	Clean & Inspect Inlet/Outlet Structures	\$2,015.73	\$2,015.73	\$2,015.73	100%	
60	Repair Inlet/Outlet Structures	\$129.07	\$129.07	\$129.07	100%	
65	Clean Storm Sewer Lines					
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges	\$1,000.00	\$1,000.00	\$0.00	0%	
80	Miscellaneous Work Activities					
85	Engineering	\$6,000.00	\$6,152.48	\$6,152.48	100%	
90	Homeless Encampment Cleanup					
TOTALS		\$114,000.00	\$81,797.28	\$16,267.51		Jun-2020

Delays or Problem Areas:

Work completed during prior fiscal year:

Act 3 - Select a consultant to start the Asset Management Program for Regional Flood Control Facilities. Act 40, Act 45 - C1 Channel remove vegetation and re-establish flowline in natural portion of C1 Channel downstream of Tuscany subdivision. Act 15, Act 21, Act 25, Act 50 - East C -1 Detention Basin (C1DC 0302 and C1DC 0303); response to Nevada Division of Water Resources-Dam Safety Engineer's Office requirement of immediate action. Act 25 - Drake Channel Confluence. Other expenditures of this facility were for regular maintenance activities.

Work to be completed during current fiscal year:

Budgeted funding to be expended on this facility for regular maintenance activities.

Consultant/
 Contractor:
 Project
 Manager:

Albert J. Jankowski

(702) 267-3024

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY20 SUPPLEMENT 1 AMENDED BUDGET**

MWP Facility#: HN73
Facility Name: PITTMAN WEST HENDERSON

Entity: CITY OF HENDERSON
Date Prepared: 3/4/2020

MP Facility ID: DCLA 0036, DCN1 0000, PTBE 0140, PTN2 0000-0251, PTN3 0000, PTN6 0000, PTN6 0000, PTN7 0001, PTN8 0000-0039, PTN9 0000-0027, PTNO 0139-0195, PTSO 0104-0153, PTWA 0815-0863

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment and Inventory					
5	Inspect Channels	\$500.00	\$500.00	\$227.56	46%	
6	Inspect Levees/Detention and Debris Basins	\$5,000.00	\$2,500.00	\$0.00	0%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$5,000.00	\$2,500.00	\$0.00	0%	
15	Repair Lined Channel					
20	Erosion Control and Repair					
21	Provide/Maintain Dust Control					
25	Clean Detention/Debris Basins	\$10,000.00	\$5,000.00	\$0.00	0%	
35	Fence Repair	\$1,000.00	\$1,000.00	\$0.00	0%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$16,000.00	\$5,000.00	\$0.00	0%	
50	Maintain Access Road					
55	Clean & Inspect Inlet/Outlet Structures					
60	Repair Inlet/Outlet Structures					
65	Clean Storm Sewer Lines					
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges	\$1,000.00	\$1,000.00	\$0.00	0%	
80	Miscellaneous Work Activities					
85	Engineering	\$5,000.00	\$5,000.00	\$4,996.88	100%	
90	Homeless Encampment Cleanup					
	TOTALS	\$43,500.00	\$22,500.00	\$5,224.44		Jun-2020

Delays or Problem Areas:

Work completed during prior fiscal year:

Act 3 - Select a consultant to start the Asset Management Program for Regional Flood Control Facilities. Act 40, Act 45 - C1 Channel remove vegetation and re-establish flowline in natural portion of C1 Channel downstream of Tuscany subdivision. Act 15, Act 21, Act 25, Act 50 - East C - 1 Detention Basin (C1DC 0302 and C1DC 0303); response to Nevada Division of Water Resources-Dam Safety Engineer's Office requirement of immediate action. Act 25 - Drake Channel Confluence. Other expenditures of this facility were for regular maintenance activities.

Work to be completed during current fiscal year:

Budgeted funding to be expended on this facility for regular maintenance activities.

Consultant/
Contractor:
Project
Manager:

Albert J. Jankowski

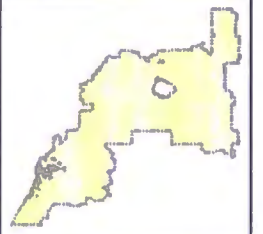
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A Place To Call Home

City of Henderson

Clark County
Regional Flood
Control District
Maintenance Work Program
2019 / 2020



Legend

Regional Facilities

C-1 CHANNEL

Detention Basins

HN NUMBERS

HN65

HN66

HN67

HN68

HN69

HN70

HN71

HN72

HN73

Henderson Street
Center Lines

City Limits



Note: PTGB0047 - PTGB0054 are
maintained by Desert Canyon HOA

This map is offered as a general reference
guide only. Neither warranty of accuracy is
intended nor should any be assumed.

AUTHOR	DATE
RLW	4/4/2019