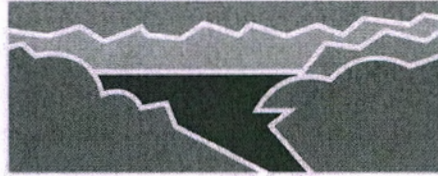


REGIONAL FLOOD CONTROL DISTRICT



NOTICE OF PUBLIC MEETING

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT CITIZENS ADVISORY COMMITTEE

DECEMBER 3, 2018
3:00 P.M.

RFCD/RTC ADMINISTRATION BUILDING
FIRST FLOOR MEETING ROOM #108
600 SOUTH GRAND CENTRAL PARKWAY
LAS VEGAS, NEVADA 89106

**FOR ADDITIONAL INFORMATION CONTACT:

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

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

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

Clark County Regional Flood Control District 600 South Grand Central Parkway Las Vegas, Nevada 89106	Clark County Regional Flood Control District Worldwide Website www.regionalflood.org
Clark County Government Center 500 South Grand Central Parkway Las Vegas, Nevada 89155	City of Boulder City 401 California Boulder City, Nevada 89005
City of Henderson 240 Water Street Henderson, Nevada 89015	City of Las Vegas 495 S. Main Street Las Vegas, Nevada 89101
City of Mesquite 10 East Mesquite Boulevard Mesquite, Nevada 89027	City of North Las Vegas 2250 Las Vegas Boulevard North Ste. 800 North Las Vegas, Nevada 89030
The Notice, Agenda, and Agenda Full-Backup have been posted on the District's Website at www.regionalflood.org	The Notice has been posted on the State of Nevada Public Notice Website at https://notice.nv.gov/

By: _____

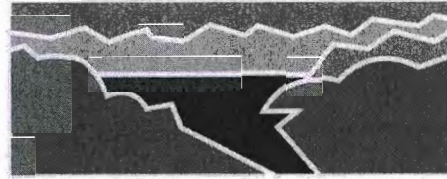
C. Ramey

**Supporting material available upon request.

1. **Comments By the General Public**

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

REGIONAL FLOOD CONTROL DISTRICT



AGENDA
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CITIZENS ADVISORY COMMITTEE
DECEMBER 3, 2018
3:00 P.M.

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

I. Call to Order

1. Comments By the General Public

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

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

a. Annual Elections (*For possible action*)

3. Action to approve the minutes of the October 29, 2018 meeting (*For possible action*)

II. Administration

4. Action to accept the financial reports (*For possible action*)

5. Action to adopt amendments to the Ten-Year Construction Program (*For possible action*)
6. Action to accept the final accounting reports and close out the interlocal contracts for the following projects (*For possible action*):
 - Brooks Channel (construction) – NLV18H14
 - Central Freeway Channel at Cheyenne (construction) – NLV18I16
7. Receive the Maintenance Work Program First Quarter Fiscal Year 2018-19 Status Reports as submitted by the entities
8. Action to approve the second amendment to the consultant contract with the University of Nevada, Las Vegas (UNLV) to revise the scope and extend the contract for a Research Project to investigate the impacts of lateral flows to main line channel facilities throughout Clark County (*For possible action*)
9. Action to approve the third amendment to the professional services agreement with Atkins North America, Inc., to extend the term of the agreement to prepare a Master Plan Update for the Las Vegas Valley (*For possible action*)

III. Design and Construction

10. Action to approve the supplemental interlocal contracts for design and construction to extend the project completion date for the following projects (*For possible action*):
 - a. Third Supplemental – Hollywood System, Dunes South Detention Basin to Centennial Parkway – City of North Las Vegas
 - b. Second Supplemental – Hemenway System, Phase IIA Improvements – City of Boulder City
 - c. Fourth Supplemental – Rancho Road System – Elkhorn, Fort Apache to Grand Canyon – City of Las Vegas
11. Action to approve the eighth supplemental interlocal contract for design to extend the project completion date and change the scope for Hemenway System, Phase II Improvements – City of Boulder City (*For possible action*)

12. Rancho Road System – Elkhorn, Grand Canyon to Hualapai – City of Las Vegas
 - a. Action to approve the request to reallocate funding within the interlocal contract for construction and approve a waiver of the design engineering cap (*For possible action*)
 - b. Receive a report on the award of bid for construction
13. Action to approve the supplemental interlocal contracts for design and construction to increase funding for the following projects (*For possible action*):
 - a. Sixth Supplemental – Vandenberg North Detention Basin & Outfall – City of North Las Vegas
 - b. Fifth Supplemental – Freeway Channel – Washington, MLK to Rancho Drive – City of Las Vegas
14. Vandenberg North Detention Basin, Collection & Outfall – Phase I – Clark County (*For possible action*)
 - a. Action to accept the project presentation
 - b. Action to approve the interlocal contract for construction
15. **Comments By the General Public**

A period devoted to comments by the general public about matters relevant to the Regional Flood Control District Citizens Advisory Committee jurisdiction will be held. No vote may be taken on a matter not listed on the posted agenda. Comments will be limited to three minutes. Please step up to the speaker's podium, clearly state your name and address and please **spell** your last name for the record. If any member of the Regional Flood Control District Citizens Advisory Committee wishes to extend the length of a presentation, this will be done by the Chairman or the Regional Flood Control District Citizens Advisory Committee by majority vote. All comments by speakers should be relevant to the Regional Flood Control District Citizens Advisory Committee action and jurisdiction.

NOTE:

The next scheduled Citizens Advisory Committee meeting is on Thursday, December 20, 2018 at 3:00 p.m.

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

ELECTION OF OFFICERS

PETITIONER:

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

RECOMMENDATION OF PETITIONER:

ELECT A CHAIRMAN, VICE-CHAIRMAN AND TECHNICAL ADVISORY COMMITTEE REPRESENTATIVE (FOR POSSIBLE ACTION)

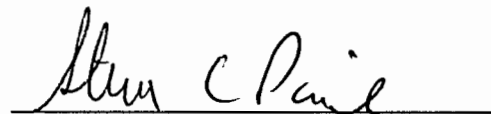
FISCAL IMPACT:

None

BACKGROUND:

In accordance with District Policies and Procedures – Section I.F.3.a, OFFICERS AND DUTIES, elections will be held annually in November of each year including the election of a Technical Advisory Committee representative. The current Chairman is Mr. Larry Nelson and Mr. Ronald Newell is the current Vice-Chairman. The TAC representative is Mr. Shawn Meagher.

Respectfully submitted,



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

CAC AGENDA
ITEM #02a
Date: 12/03/18

MINUTES
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
CITIZENS ADVISORY COMMITTEE
OCTOBER 29, 2018
3:00 P.M.

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

MEETING NOTICES: Public Notices of this meeting were properly posted by Cristle Ramey of the Regional Flood Control District in the following locations: Boulder City City Hall, Clark County Government Center, Henderson City Hall, Las Vegas City Hall, Mesquite City Hall, North Las Vegas City Hall, Clark County Regional Flood Control District Offices, Clark County Regional Flood Control District Website (www.regionalflood.org), and the State of Nevada Public Notice Website (<https://notice.nv.gov/>)

CALL TO ORDER: Mr. Larry Nelson, Chairman, City of Henderson, called the meeting to order at 3:01 p.m., in Room #268/296, 600 South Grand Central Parkway, with the following members present:

MEMBERS PRESENT: Larry Nelson, Chairman, City of Henderson
Ronald Newell, Vice-Chairman, Clark County
Larry Schultz, Clark County
Jennifer L. Taylor, Esq., Clark County
Harshal Desai, City of Henderson
Bill Starmer, City of Las Vegas
Kyle Stephens, City of Las Vegas
Norman Ashford, City of Mesquite
Shawn Meagher, City of North Las Vegas
Jason Gross, City of Boulder City

MEMBERS EXCUSED: Karina Barragan, City of North Las Vegas
Shawn Fleming, City of Boulder City

STAFF: Steven C. Parrish, General Manager/Chief Engineer
Andrew Trelease, Assistant General Manager
Christopher Figgins, Chief Deputy District Attorney
Todd Myers, Engineering Director
Erin Neff, Public Information Manager
Ching Wang, Senior Civil Engineer
Debra Yamachika, Senior Civil Engineer
Edward Demars, Associate Engineer
Chris Russo, Management Analyst II
Craig McDougall, Senior Hydrologist
Beatriz Martinez, Public Information Coordinator

Sherry Allen, Office Services Manager
Cristle Ramey, Senior Office Specialist

INTERESTED PARTIES: Emily Thornley, P.E., Atkins North America, Inc.
Fred Retzlaff, P.E., Slater Hanifan Group

I. Call to Order

1. Comments By the General Public

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

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

Staff recommends approval.

Mr. Newell moved for approval of the agenda.

8 AYES – 0 NAYS

Motion Carried

3. Action to approve the minutes of the October 1, 2018 meeting (*For possible action*)

Upon a motion by Mr. Schultz, the minutes of the October 1, 2018 meeting were approved with changes.

8 AYES – 0 NAYS

Motion Carried

II. Administration

4. Action to accept the financial reports (*For possible action*)

Mr. Parrish stated the financial reports for September 2018 are situated in the agenda backup.

Mr. Schultz inquired whether the actual sales revenue for the period September FY 2017-2018 in the amount of \$107 million resulted in a positive residual in the amount of \$2.9 million and whether this positive trend is expected to continue. Mr. Parrish replied that sales tax are a primary source of the District's funding that is unpredictable and based on the performance of the economy.

Mr. Parrish stated the District usually estimates a conservative increase in sales tax revenue on an annual basis. In this case, the District underestimated the sales tax revenue resulting in additional funds for the period September FY 2017-2018 and results may vary from time to time. Mr. Parrish followed by stating sales tax calculations for August 2018 are pending and unavailable for presentation to the committee at this time.

Staff recommends acceptance of the financial reports.

Mr. Starmer moved to follow staff recommendation.

8 AYES – 0 NAYS

Motion Carried

5. Action to adopt amendments to the Ten-Year Construction Program (*For possible action*)

Mr. Parrish stated that these are amendments to the Ten-Year Construction Program with fiscal impacts that occur later in the agenda. A separate item from Clark County has been included to move the Goodsprings Project from the Ten-Year Construction plan.

Staff recommends approval.

Mr. Newell moved to follow staff recommendation.

8 AYES – 0 NAYS

Motion Carried

***** Ms. Taylor arrived at 3:05 p.m.**

***** Mr. Stephens arrived at 3:05 p.m.**

6. Action to accept the Fiscal Year 2017-18 Maintenance Work Program final accounting reports and close out the interlocal contracts (*For possible action*)

Mr. Parrish stated the report for the Maintenance Work Program Fourth Quarter FY 2017-18 is located in the backup of the agenda. Mr. Parrish followed by stating that to date, approximately \$8.4 million of the \$10.8 million budget has been spent, which is 78% of the budget. The typical goal is to spend 80% of the budget.

Mr. Nelson asked whether the District had received 2018 or 2019 Maintenance Work Program budgets. Mr. Parrish replied that budgets for the Maintenance Work Program for the year 2018 have been received.

Mr. Meagher inquired whether the closeout amount of \$8.4 million for fiscal year ending June 30, 2018 is inclusive of all the expenses and financials for this project. Mr. Parrish replied in the affirmative.

Staff recommends approval.

Mr. Newell moved to follow staff recommendation.

**10 AYES – 0 NAYS
Motion Carried**

7. Action to approve the interlocal agreement between Clark County Regional Flood Control District and Clark County to establish an equitable funding mechanism for routine maintenance of channels through the Club at Sunrise Golf Course (*For possible action*)

Mr. Parrish stated that due to the level of maintenance required and the unavailability of the proper tools required for maintenance, grass lining turf in channels was not usually utilized in projects by the District. Mr. Parrish continued by stating that District completed an improvement project to the Las Vegas Wash and Flamingo Wash section, flowing through the Club at Sunrise Golf Course where grass lining reinforced turf was installed. As a result, the District and Clark County have discussed the requirement for increased maintenance to the Las Vegas Wash and Flamingo Wash. Mr. Parrish stated concerns were raised by Clark County Public Works that their tools and equipment were not conducive to the maintenance of grass lining channels, therefore, the golf course operator agreed to maintain the grass as part of Sunrise Golf Course maintenance operations.

Mr. Parrish stated the District and the Club at Sunrise Golf Course made a verbal agreement that if a storm event greater than a Ten-Year event occurred, Clark County Public Works and Regional Flood Control District would assist the Club at Sunrise Golf Course with the clean-up efforts, since it would be a huge undertaking with water volumes of approximately several thousands of cubic feet per second for each wash. Mr. Parrish explained that due to previous concerns expressed by the golf course maintenance crew at Sunrise Golf Course, regarding unavailability of assistance for smaller storm events, the District embarked on a method to

establish funding, to aid in offsetting the clean-up expenses incurred for the washes in smaller events.

Mr. Parrish stated the District's methodology for providing funding, was derived from comparing Clark County annual maintenance cost for the entirety of both channels and divided by the square footage of the area to be maintained by Sunrise Golf Course, which equated to the total amount of approximately \$180,000.00 for both washes. Mr. Parrish continued by stating in comparison to annual cost reports provided by Clark County for expenses incurred for maintenance of both washes on an annual basis, \$180,000.00 was a fair dollar amount.

Mr. Nelson inquired why Clark County did not include maintenance of the Las Vegas Wash and Flamingo Wash sections, in Clark County's regular maintenance program budget. Based on observations from the previous year, Mr. Nelson mentioned the flowline of the washes over time changed due to sediment build up, causing the base of the wash to increase in height. Mr. Nelson also inquired on how that can be avoided in the future.

Mr. Parrish replied that the funds utilized for this section of the wash will be extracted from the Clark County maintenance and operations budget for the washes. Mr. Parrish explained that monuments and elevation markers used for tracking and defining the baseline of the washes, have been placed throughout Sunrise Golf Course and the channels, which will indicate when sediment build up has occurred and removal is required. Removal will be the responsibility of Sunrise Golf Course.

Mr. Schultz inquired whether there was a criteria as to what will qualify as a substantial event. Mr. Parrish indicated that this new agreement supersedes the Ten-Year event agreement. It will apply to any storm event regardless of the magnitude, due to the intense manual labor required to conduct clean up and removal of debris from the channels after a storm event. Mr. Parrish stated for example, in the past, Clark County Public Works removed a total of seven hundred and twelve (712) shopping carts from the washes after storm events.

Mr. Meagher asked about the difference from the regular maintenance program. Mr. Parrish indicated that with the initial verbal agreement between the District, Clark County Public Works and Sunrise Golf Course proved to be ineffective. The section of the washes flowing through Sunrise Golf course did not qualify for funding unless the storm event was greater than a Ten-year storm event. The amount of \$180,000.00 from Clark County Public Work's maintenance budget is available to Clark County Parks and Recreation in order to provide aid with clean up after storm events. Mr. Parrish stated records provided by Clark County Public

Works indicate the minimum spent to date for clean-up of the channels is \$485,000.00 annually. Therefore, the actual annual cost of clean-up will likely exceed \$180,000.00.

Mr. Andrew Trelease, Assistant General Manager, Regional Flood Control District followed by stating Clark County Public Works did not enter into the golf course with their heavy machinery and only maintained the remainder of the Las Vegas Wash and Flamingo Wash. The purpose of this agreement, which was deemed a fair dollar amount will provide required funding for Clark County Parks and Recreation to maintain the channel section flowing through the golf course.

Mr. Gross inquired about the District's method of determining what the normal cost of maintenance would be. Mr. Trelease replied that the District analyzed historical data of the typical dollar amount utilized by Clark County for maintenance of other channel sections. Mr. Parrish followed with an example of the District analyzing the annual budget for maintenance of the Flamingo Wash and then dividing by the distance to arrive at a dollar amount per mile. The result was then applied to the miles of wash flowing through the golf course.

Mr. Nelson inquired whether the amount of \$180,000.00 was placed in the budget and approved for use in the maintenance program for the year 2018. Mr. Parrish responded the \$180,000.00 will be allocated at the beginning of fiscal year 2019.

Staff recommends approval.

Mr. Ronald Newell moved to follow staff recommendation.

**10 AYES – 0 NAYS
Motion Carried**

8. Flood Threat Recognition System ALERT2 Upgrade (*For possible action*)
 - a. Action to approve an upgrade of the Flood Threat Recognition System to the ALERT2 protocol and authorize the General Manager/Chief Engineer to sign the Letter of Intent
 - b. Action to approve the professional services agreement with Water and Earth Technologies for an upgrade of the Flood Threat Recognition System to the ALERT2 protocol

Mr. Parrish stated the District's flood threat recognition system is the District's network of over two hundred (200) rain and weather gauges throughout Clark

County. Since the District has been utilizing Alert 1 protocols since the early 1970's, the system is being phased out and upgraded to ALERT 2 protocols. Mr. Parrish explained vendors are no longer retailing the equipment for ALERT 1 protocol and the upgraded Alert 2 system will greatly benefit the District. The Alert 2 protocol will be built on the existing Alert 1 protocol and slowly transitioned from one protocol to the next as equipment is converted throughout Clark County. Mr. Parrish indicated there is no downtime expected and conversions are expected to be completed within a period of one (1) month. Mr. Parrish stated item 8a is the contract for the vendor Hydrolynx to provide the equipment and item 8b is for Water and Earth Technologies to provide the configuration and installation in the dollar amount of \$478,645.00 for both items.

Mr. Nelson inquired whether fees are a one time or on an annual basis. Mr. Parrish responded this is a one time fee. District anticipates the Alert 2 protocol may last as long as twenty (20) years before upgrades are required. Mr. Schultz asked about the operating system being utilized and whether cost of the upgrades are included in the \$478,645.00.

Mr. Craig McDougall, Senior Hydrologist, Regional Flood Control District, replied the cost to upgrade the operating system was budgeted for in 2017 and upgrades are currently in motion. Mr. McDougall explained some upgrades include converting from a 32 byte to 64 byte service system. Water and Earth Technologies are working on modifications to the server. Alert 1 and Alert 2 systems will operate simultaneously to ensure the system is up and running before the Alert 1 system is powered down. Mr. McDougall mentioned Nova Star, the main operating system that operates the database will require an update when a new version is released. Mr. Schultz asked whether the supplied equipment came with a warranty. Mr. McDougall replied that a one (1) year warranty is included.

Mr. Meagher asked about two separate vendors being utilized for this project and whether this will pose a risk to the compatibility of the equipment and system. Mr. McDougall explained that Hydrolynx is an expert at building hardware such as sensors and radios. They do not have the capability to install the equipment on the field, while Water and Earth Technologies are experts at deploying, installing and configuring systems in the field. This is the reason for the two separate agreements.

Mr. Parrish followed by stating the risk with separate vendor agreements is if Water and Earth Technology are hired to install equipment that the District is responsible for supplying to them, any delays can hamper the installation process for Water and Earth Technologies. Mr. Parrish stated the agreement has been drafted in order to

provide guidance on how to handle this situation if it were to occur. Typically, one (1) company is usually responsible for supply and installation of equipment, however, in this case the standard arrangement was not feasible.

Ms. Taylor inquired about the funds for this project and where they would come from. Mr. Parrish replied that funds will be obtained from the operating fund. Mr. Nelson asked about the compensation. Mr. Parrish replied that there is funding budgeted and available for use upon the Board of Directors approval to proceed.

Staff recommends approval of items 8a and 8b.

Mr. Newell moved to follow staff recommendation.

**10 AYES – 0 NAYS
Motion Carried**

9. Action to approve the consultant contract with Louis Berger U.S., Inc., to prepare a Master Plan Update for the Outlying areas of Clark County, including Blue Diamond, Coyote Springs, Goodsprings, Indian Springs, Jean, Laughlin, Mount Charleston, Nelson, Primm, and Searchlight (*For possible action*)

Mr. Parrish stated the District is required to update Master Plans every five (5) years. The last update to occur for the outline areas of the Master Plan was in 2014, therefore, the next update is due in the year 2019. Mr. Parrish indicated the District issued requests for proposals for projects and two (2) proposals were received. A committee made up of Clark County Public Works and Regional Flood Control District staff was formed to review the submitted proposals. Mr. Parrish stated the recommended winning bid was awarded to Louis Berger U.S., Inc. The contract in the amount of \$350,000.00 with fiscal impact was negotiated.

Ms. Taylor inquired whether any of the committees (Citizens Advisory Committee or Technical Advisory Committee) are provided copies of the submitted proposals to review. Mr. Parrish stated proposals are usually ranked, based on a point system and usually are not provided to the Citizens Advisory Committee or Technical Advisory Committee for review.

Staff recommends approval.

Mr. Newell moved to follow staff recommendation.

**9AYES – 0 NAYS – 1 ABSTENTION (Desai – item 9)
Motion Carried**

10. Action to adopt the Flood Control Master Plan Update for the City of Boulder City as an amendment to the Master Plan (*For possible action*)

Ms. Emily Thornley, P.E., Atkins North America, Inc., made a presentation.

Mr. Meagher asked about the amount of funding Boulder City receives annually. Mr. Parrish replied Boulder City receives on average of 2% of the funding that is available, which equates to approximately \$2.0 million annually. The bulk of the \$37 million of projects remaining to be constructed on the Master Plan are in the West Airport water shed area, which is undeveloped. District does not anticipate those projects being developed anytime in the near future. Mr. Trelease followed by stating that Boulder City has not expressed plans for development in that area for approximately five (5) years.

Staff recommends acceptance of the project presentation.

Mr. Newell moved to follow staff recommendation.

**9AYES – 0 NAYS – 1 ABSTENTION (Desai – item 10)
Motion Carried**

III. Design and Construction

11. Action to approve the requests to reallocate funding within the interlocal contracts for design for the following projects (*For possible action*):
 - a. Duck Creek, Las Vegas Boulevard – Clark County
 - b. Las Vegas Wash – Sloan Channel to Bonanza Road and Flamingo Wash below Nellis Boulevard – Clark County

Mr. Parrish stated these are reallocations of funds within the interlocal contracts. There is no fiscal impact.

Staff recommends approval for items 11a and 11b.

Mr. Newell moved to follow staff recommendation.

10 AYES – 0 NAYS

Motion Carried

12. Action to approve change order no. 2 for construction for Horizon Ridge Detention Basin – City of Henderson (*For possible action*)

Mr. Parrish stated the change order in the amount of \$64,980.00 is to compensate for an extension of the line item for a cut off trench, due to the estimated quantities exceeding what was represented in the bid. There is no fiscal impact and there are sufficient funds in the contract for this change order.

Staff recommends approval.

Mr. Newell moved to follow staff recommendation.

10 AYES – 0 NAYS

Motion Carried

13. Receive a report on the award of bid for construction for Range Wash – Ann Branch, Phase I – City of North Las Vegas

Mr. Parrish stated that on April 25, 2018 five (5) bids were received, one (1) bid was rejected. The recommended best bid was awarded to Las Vegas Paving in the amount of \$9,789,090.00, which was approximately eighteen percent (18%) over the Engineer's estimate that was presented to the Board of Directors. The District's cost share for flood control for this project is in the amount of \$2,460,483.00. Mr. Parrish stated the Regional Transportation Commission is providing utility funding for this project.

Mr. Meagher asked about the reason for the rejected bid and whether this bid was the lowest bid submitted. Mr. Parrish responded the bid submitted by Tand Construction was the lowest bid submitted. Mr. Parrish followed by stating the bid submitted by Tand Construction, was rejected as a result of unresolved paperwork with the Labor Commission regarding prevailing wages. The matter was not resolved in time to submit for this bid, therefore, Tand Construction was deemed non-responsive.

Ms. Taylor asked about the percentage of contracts with this type of scope having been awarded to Las Vegas Paving. Ms. Taylor expressed concerns on whether Las Vegas Paving may be equipped to efficiently execute on all the projects awarded to them. Mr. Parrish replied that records indicate as of September 2018, Las Vegas Paving had been awarded six (6) projects totaling the amount of \$46 million, which is forty percent (40%) of Regional Flood Control District contracts. Mr. Parrish stated the District had not experienced any issues with the performance of Las Vegas Paving and were not made aware of concerns that may have been raised regarding lack of labor or equipment needed to complete the jobs awarded.

No Action Required.

14. LVW – Moccasin, Skye Canyon Park to Upper LVW – City of Las Vegas (*For possible action*)

a. Action to accept the project presentation

Mr. Fred Retzlaff, P.E., Slater Hanifan Group, made a project presentation.

Mr. Meagher asked if this project is shared between the public and private sector, as well as who funded the design on the project and will it be open for bid as a Clark County Public Works project. Mr. Parrish responded that the design for the project was paid for by the developer and the amount of \$60,000.00 reflected in the presentation is for the City of Las Vegas to conduct reviews of the project. The City of Las Vegas will bid and manage the construction of the public section of the project.

Mr. Meagher asked about this project being a fully private project or public project. Mr. Parrish responded that the developers of the Skye Canyon project had the opportunity to drain in a different location from where the District desired them to drain in conjunction with the Master Plan. There was coordination on behalf of the City of Las Vegas and the developer of the project to build a facility that would function in accordance with the flow of the Master Plan without the requirement for future improvements to retro fit and repair work completed in comparison to what the Master Plan presented. Mr. Parrish continued to explain that by combining the project, it yields a rewarding partnership that creates a facility that benefits both parties involved.

Mr. Trelease followed by stating the other options presented to the District by the consultant were more expensive from a public perspective. These would have resulted in the developer discharging on the existing path. This would have resulted in facilities along that path to become less reliable and would negatively impact structures further downstream, that experience drainage issues today. Therefore, this resolution will also address current problems and benefit everyone long term.

Ms. Taylor asked if there is a guarantee that the developer would complete the development phase of the project. Mr. Parrish redirected the question to Mr. Peter Jackson, Senior Engineering Associate, City of Las Vegas. Mr. Jackson stated that the developer had posted bonds for all their remaining regional infrastructure. Ms. Taylor followed by asking if the bonds posted by the developer were sufficient to cover the remainder of the project agreement. Ms. Taylor expressed concerns about past developers that have made agreements and did not follow through with completing the project. Mr. Parrish stated that in the event the developer was unable to complete the private section of the project, the facilities would still be utilized and developed by the City of Las Vegas. Mr. Jackson followed by stating that the reason the City of Las Vegas introduced the requirement for development to post bonds is to avoid issues of project abandonment.

b. Action to approve the interlocal contract for construction

Mr. Parrish stated this is an interlocal contract for construction and construction design in the amount of \$15,393,582.00.

Staff recommends acceptance of the project presentation and approval of items 14a and 14b.

Mr. Schultz moved to follow staff recommendation.

**10 AYES – 0 NAYS
Motion Carried**

15. Hollywood System, Dunes South Detention Basin to Centennial Parkway – Phase I – City of North Las Vegas

a. Action to approve the first supplemental interlocal contract for construction to decrease funding (*For possible action*)

Mr. Parrish stated this is a supplement to reduce funding as a result of a favorable bid in the amount of \$1,360,000.00.
Staff recommends approval.

Mr. Newell moved to follow staff recommendation.

**10 AYES – 0 NAYS
Motion Carried**

- b. Receive a report on the award of bid for construction

Mr. Parrish stated on May 9, 2018, seven (7) bids were received and opened. The recommended best bid received was from TAB Contractors in the amount of \$11,164,234.00 which is 10% lower than the engineer's estimate presented to the Board of Directors.

No Action Required.

16. Comments By the General Public

Mr. Nelson commented that he was appointed by the City of Henderson and after thirty (30) years of residing in that area, he is now relocating. Therefore, December 3, 2018 will be his final Citizen's Advisory Committee meeting. Mr. Nelson expressed his gratitude at serving on the committee and that elections for a new Chairman will take place at the next Citizen's Advisory Committee meeting held on December 3, 2018.

Mr. Parrish followed by stating the annual elections for Citizen's Advisory Committee Chairman, Vice Chairman and a representative for the Citizen's Advisory Committee to attend the Technical Advisory Committee meetings, takes place annually. Therefore, a new Chairman will need to be nominated at the next Citizen's Advisory Committee meeting. Mr. Parrish invited the Committee to discuss amongst themselves who they will recommend for nomination.

Mr. Parrish stated that every other year the District hosts a tour for the Citizen's Advisory Committee. The next tour is scheduled for April 2019 and usually takes place on a Friday from 8:00 a.m. to 2:00 p.m. The District extends an invitation to all interested in attending and will be providing transportation, breakfast and lunch. The tour will provide some insight on projects that may have been voted on in the agenda during the year. Citizen's Advisory Committee members will have the opportunity to view projects under construction and completed.

Mr. Parrish stated the District is working along with Public Information staff to plan a route for the tour which is usually focused around areas with the most active projects.

Mr. Parrish stated an open meeting will be held on that day and an agenda will be discussed before embarking on the tour. Mr. Parrish reminded the Citizens Advisory Committee that the next meeting will be held on December 3, 2018 at 3:00 p.m. and the following meeting previously scheduled for December 31, 2018 had been voted on by the Citizens Advisory Committee to be rescheduled to December 20, 2018 at 3:00 p.m.

Mr. Parrish thanked Mr. Nelson for his contribution and service to the Citizen's Advisory Committee.

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

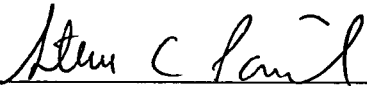
NOTE: The next scheduled Citizens Advisory Committee meeting is on Monday, December 3, 2018 at 3:00 p.m.

Regional Flood Control District
Citizens Advisory Committee Minutes
October 29, 2018
Page 15


ADJOURNMENT

The meeting adjourned at 4:01 p.m.

Respectfully submitted,




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



Larry Nelson
Chairman

Attest December 4, 2018



Sherry Allen,
Board Secretary

/cr

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT:
FINANCIAL REPORTS – OCTOBER 2018
PETITIONER:
STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER
RECOMMENDATION OF PETITIONER:
ACCEPT THE REPORTS (FOR POSSIBLE ACTION)

FISCAL IMPACT: None

BACKGROUND: The financial reports for October 2018, are submitted for your review:


<u>Section</u>	<u>Description</u>	<u>Page(s)</u>
A - Fund 2860	Fund Balance Report	1
	Appropriation Balance Report – FY 2017-18	2
	Appropriation Balance Report – FY 2018-19	3
	Sales Tax Revenue Report – FY 2017-18	4
	Sales Tax Revenue Report – FY 2018-19	5
	Monthly Expenditure Summary Report	6
B - Fund 2870	Fund Balance Report	7
	Maintenance Work Program Monthly Expenditures.....	8-11
	Maintenance Work Program Status Report – FY 2018	12-13
	Maintenance Work Program Status Report – FY 2019	14-15
C - Fund 3300	Fund Balance Report	16
D - Fund 4430	Fund Balance Report	17
	Monthly Expenditure Report	18-20
E - Fund 4440	Fund Balance Report	21
	Monthly Expenditure Report	22

TAC AGENDA ITEM # 04 DATE: 11/29/2018	RFCD AGENDA ITEM # DATE: 12/13/2018
CAC AGENDA ITEM # 04 DATE: 12/03/2018	

F - Summary

Pay-As-You Go – Current Project Expense Summary.....	23-51
Bond Funded – Current Project Expense Summary	52-55
Capital Improvement Program – Open Projects Summary	56
Pay-As-You Go CIP – Cumulative Reporting	57-69
Bond Funded CIP – Cumulative Reporting.....	70-74
FY 2018-19 Projects Funded Summary	75-76
FY 2018-19 Estimated Funding Schedule.....	77

Respectfully submitted,



Jeanine Pitts-Dilworth
 Administrative Services Director

TAC AGENDA ITEM # 04 DATE: 11/29/2018	RFCD AGENDA ITEM # DATE: 12/13/2018
CAC AGENDA ITEM # 04 DATE: 12/03/2018	

REGIONAL FLOOD CONTROL DISTRICT
 FUND 2860 - OPERATING FUND
 FUND BALANCE REPORT
 OCTOBER 2018

BEGINNING CASH BALANCE:	9,372,191.34	
Accruals/Adjustments	<u>(2,742.68)</u>	
	TOTAL BEGINNING BALANCE	\$9,369,448.66
REVENUES:		
Sales Tax Revenue	8,803,958.07	
Interest Earnings	8,162.44	
Fund 4430 - Transfer In Interest Earnings	61,538.46	
Build America Bonds Rebate	0.00	
Sale of Materials	0.00	
Miscellaneous Other Revenue	0.00	
Petty Cash Reimbursements	0.00	
Miscellaneous Accruals/Adjustments	<u>17,657.98</u>	
	TOTAL REVENUES	\$8,891,316.95
EXPENDITURES:		
Salaries & Benefits	(381,028.56)	
Services & Supplies	(46,562.39)	
Professional Services	(114,298.89)	
Capital Expenditures	0.00	
Fund 2870 - Transfer Out Maintenance Work Program	(1,000,000.00)	
Fund 3300 - Transfer Out Debt Service	(3,302,766.04)	
Fund 4430 - Transfer Out Budgeted Transfers	(4,300,000.00)	
Accruals/Adjustments		
Accounts Payable	123,375.76	
Miscellaneous Accruals/Adjustments	<u>0.00</u>	
	TOTAL EXPENSES	<u>(\$9,021,280.12)</u>
ENDING CASH BALANCE:		<u><u>\$9,239,485.49</u></u>

REGIONAL FLOOD CONTROL DISTRICT
 FUND 2860 - OPERATING FUND
 APPROPRIATION BALANCE REPORT
 FISCAL YEAR 2017-18

REVENUES/FINANCING SOURCES

	BUDGET	ACTUAL	ENCUMBRANCE/ ILC	UNREALIZED	% UNREALIZED
Revenues	\$ 103,754,635.00	\$ 106,654,822.67	N/A	\$ (2,900,187.67)	-3%
Other Sources	\$ 635,262.00	\$ 635,262.00	N/A	\$ -	0%
TOTAL	\$ 104,389,897.00	\$ 107,290,084.67	N/A	\$ (2,900,187.67)	-3%

EXPENDITURES/TRANSFERS

	BUDGET	ACTUAL	ENCUMBRANCE/ ILC	AVAILABLE	% AVAILABLE
Expenditures	\$ 8,949,078.00	\$ 7,059,911.05	\$ -	\$ 1,889,166.95	21%
Transfers Out					
Debt Service	\$ 39,651,400.00	\$ 39,651,399.32	\$ -	\$ 0.68	0%
MWP	\$ 8,000,000.00	\$ 8,000,000.00	\$ -	\$ -	0%
CIP (1)	\$ 55,000,000.00	\$ 55,000,000.00	\$ -	\$ -	0%
TOTAL	\$ 111,600,478.00	\$ 109,711,310.37	\$ -	\$ 1,889,167.63	2%

Notes:

(1) Includes Local Drainage program.

REGIONAL FLOOD CONTROL DISTRICT
 FUND 2860 - OPERATING FUND
 APPROPRIATION BALANCE REPORT
 FISCAL YEAR 2018-19

REVENUES/FINANCING SOURCES

	BUDGET	ACTUAL	ENCUMBRANCE/ ILC	UNREALIZED	% UNREALIZED
Revenues	\$ 108,309,352.00	\$ 19,123,538.29	N/A	\$ 89,185,813.71	82.34%
Other Sources	\$ 800,000.00	\$ 246,153.86	N/A	\$ 553,846.14	69%
TOTAL	\$ 109,109,352.00	\$ 19,369,692.15	N/A	\$ 89,739,659.85	82%

EXPENDITURES/TRANSFERS

	BUDGET	ACTUAL	ENCUMBRANCE/ ILC	AVAILABLE	% AVAILABLE
Expenditures	\$ 9,348,604.00	\$ 1,887,543.09	\$ 1,949,539.82	\$ 5,511,521.09	59%
Transfers Out					
Debt Service	\$ 39,270,425.00	\$ 16,422,118.66	\$ -	\$ 22,848,306.34	58%
MWP	\$ 12,000,000.00	\$ 2,000,000.00	\$ -	\$ 10,000,000.00	83%
CIP (1)	\$ 52,000,000.00	\$ 8,600,000.00	\$ -	\$ 43,400,000.00	83%
TOTAL	\$ 112,619,029.00	\$ 28,909,661.75	\$ 1,949,539.82	\$ 81,759,827.43	73%

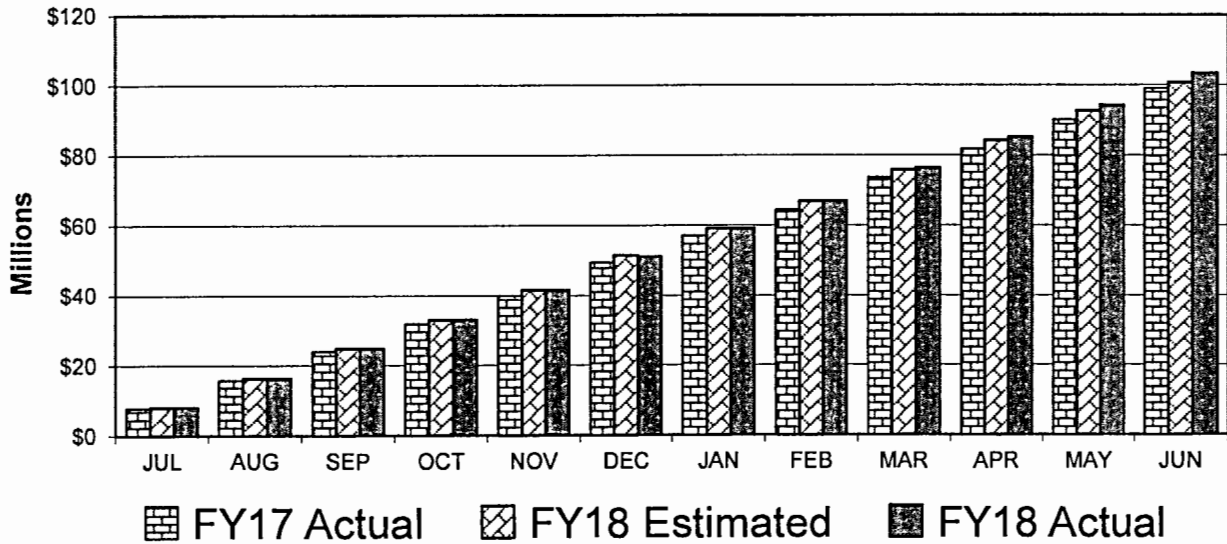
Notes:

(1) Includes Local Drainage program.

SALES TAX REVENUE REPORT
 REGIONAL FLOOD CONTROL DISTRICT
 FISCAL YEAR 2017-18
 MODIFIED ACCRUAL BASIS

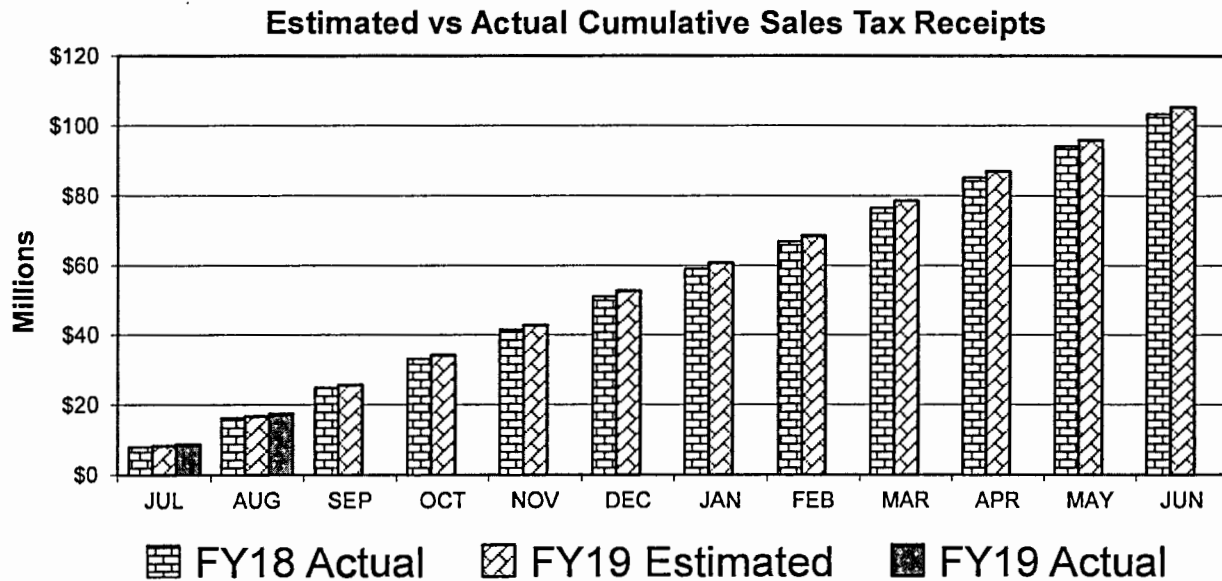
MONTH SALES TAX COLLECTED BY MERCHANT	1/4 CENT SALES TAX ESTIMATE (as approved April 13, 2017)	ACTUAL SALES TAX REVENUES	DIFFERENCE OVER/(UNDER) ESTIMATE	PERCENT +/- FROM ESTIMATE
JULY	8,079,345.77	8,094,384.88	15,039.11	0.19%
AUGUST	8,203,982.32	8,255,778.90	51,796.58	0.63%
SEPTEMBER	8,557,326.01	8,581,751.61	24,425.60	0.29%
OCTOBER	8,172,375.00	8,237,649.83	65,274.83	0.80%
NOVEMBER	8,471,775.21	8,327,302.09	(144,473.12)	-1.71%
DECEMBER	9,983,768.26	9,577,458.25	(406,310.01)	-4.07%
JANUARY	7,603,708.26	8,094,419.86	490,711.60	6.45%
FEBRUARY	7,801,049.35	7,798,723.71	(2,325.64)	-0.03%
MARCH	9,118,685.91	9,541,162.04	422,476.13	4.63%
APRIL	8,233,361.78	8,679,967.10	446,605.32	5.42%
MAY	8,435,509.85	8,983,388.24	547,878.39	6.49%
JUNE	8,039,112.28	9,256,067.76	1,216,955.48	15.14%
TOTAL:	\$ 100,700,000.00	\$ 103,428,054.27	\$ 2,728,054.27	2.71%

Estimated vs Actual Cumulative Sales Tax Receipts



SALES TAX REVENUE REPORT
 REGIONAL FLOOD CONTROL DISTRICT
 FISCAL YEAR 2018-19
 MODIFIED ACCRUAL BASIS

MONTH SALES TAX COLLECTED BY MERCHANT	1/4 CENT SALES TAX ESTIMATE (as approved April 12, 2018)	ACTUAL SALES TAX REVENUES	DIFFERENCE OVER/(UNDER) ESTIMATE	PERCENT +/- FROM ESTIMATE
JULY	8,337,216.43	8,812,912.62	475,696.19	5.71%
AUGUST	8,503,452.27	8,803,958.07	300,505.80	3.53%
SEPTEMBER	8,856,367.65			
OCTOBER	8,501,254.63			
NOVEMBER	8,610,430.36			
DECEMBER	9,901,526.75			
JANUARY	8,053,625.31			
FEBRUARY	7,802,944.08			
MARCH	9,978,678.81			
APRIL	8,474,253.85			
MAY	8,895,566.19			
JUNE	9,384,683.67			
TOTAL:	\$ 105,300,000.00	\$ 17,616,870.69	\$ 776,201.99	4.61%



Schedule of Monthly Expenditures - Summary
Fund 2860 - Operating Fund
10/1/2018 to 10/31/2018

<u>Fiscal Year</u>	<u>Account #</u>	<u>Account Name</u>	<u>Amount</u>
2019	61*/62*	Salaries and Benefits	381,028.56
	630000	Other Professional Services	114,298.89
	640310	R & M-Facilities	11,670.52
	640320	R & M-Equipment	682.50
	640340	R & M-Vehicles	992.12
	641000	Other Rental Expense	1,221.85
	644610	Information System Services	687.23
	645000	Other Insurance	194.91
	646100	Telephone-Local	488.87
	646110	Telephone-Long Distance	12.63
	646120	Cell Phones/Beepers	352.76
	648100	Printing/Reproduction	3,336.55
	649000	Other Travel	52.02
	649100	Airfare	1,432.84
	649200	Lodging	750.16
	649300	Auto	260.15
	649400	Meals	398.00
	649500	Registration/Training	474.00
	649510	Travel/Training	150.00
	663000	Operating Supplies	4,217.28
	663100	Other Medical Supplies	6.00
	663400	Office Supplies	593.24
	663500	Wearing Apparel	62.70
	670100	Electricity	3,775.26
	670500	Disposal	281.81
	679220	Software Licenses	4,126.86
	679300	Dues	9,861.00
	679600	Postage	481.13
		Fiscal Year Total	\$541,889.84
		Grand Total	\$541,889.84

REGIONAL FLOOD CONTROL DISTRICT
 FUND 2870 - FACILITIES MAINTENANCE FUND
 FUND BALANCE REPORT
 OCTOBER 2018

BEGINNING CASH BALANCE:	7,027,752.00	
Accruals/Adjustments	<u>5,106.26</u>	
TOTAL BEGINNING CASH BALANCE:		\$7,032,858.26
REVENUES:		
Interest Income	9,599.48	
Fund 2860 - Transfer In Maintenance Work Program	1,000,000.00	
Miscellaneous Other Revenue/Adjustments	<u>5,106.26</u>	
TOTAL MONTHLY REVENUES		\$1,014,705.74
EXPENDITURES:		
Services & Supplies	0.00	
Maintenance Work Program Expenditures	(672,083.00)	
Accruals/Adjustments		
Miscellaneous Accruals/Adjustments	(328,184.20)	
Contract Retention Payable	0.00	
Contract Retention Interest Payable	0.00	
Accounts Payable	<u>0.00</u>	
TOTAL MONTHLY EXPENSES		<u>(\$1,000,267.20)</u>
ENDING CASH BALANCE:		<u><u>\$7,047,296.80</u></u>

**Regional Flood Control District
 Monthly Expenditures
 Maintenance Work Program
 10/1/2018 to 10/31/2018**

Fiscal Year - 2019

<u>Vendor</u>	<u>Facility</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>P.O. Number</u>	<u>Date Paid</u>	<u>Amount</u>
ATKINS NORTH AMERICA INC	RF.HN69	1890719	10/09/2018	4500286831	10/16/2018	\$1,622.60
BEC ENVIRONMENTAL INC	RF.HN66	2950	07/01/2018	4500290074	10/03/2018	\$5,252.39
BRAGG INVESTMENT COMPANY INC	RF.HN68	523037	09/21/2018	4500291124	10/31/2018	\$750.47
CITY OF BOULDER CITY	RF.BC01	2400	10/18/2018	4500291126	10/31/2018	\$980.68
CITY OF BOULDER CITY	RF.BC01	2400	10/18/2018	4500291126	10/31/2018	\$1,580.81
CITY OF BOULDER CITY	RF.BC01	2400	10/18/2018	4500291126	10/31/2018	\$20,719.81
CITY OF BOULDER CITY	RF.BC01	2400	10/18/2018	4500291126	10/31/2018	\$1,336.79
CITY OF BOULDER CITY	RF.BC01	2400	10/18/2018	4500291126	10/31/2018	\$8,294.63
CITY OF BOULDER CITY	RF.BC03	2400	10/18/2018	4500291126	10/31/2018	\$1,775.94
CITY OF BOULDER CITY	RF.BC03	2400	10/18/2018	4500291126	10/31/2018	\$4,367.03
CITY OF BOULDER CITY	RF.BC03	2400	10/18/2018	4500291126	10/31/2018	\$239.80
CITY OF BOULDER CITY	RF.BC03	2400	10/18/2018	4500291126	10/31/2018	\$662.26
CITY OF BOULDER CITY	RF.BC03	2400	10/18/2018	4500291126	10/31/2018	\$278.45
CITY OF BOULDER CITY	RF.BC04	2400	10/18/2018	4500291126	10/31/2018	\$938.32
CITY OF HENDERSON	RF.HN65	MSC5030256	10/23/2018	4500286838	10/31/2018	\$4,796.98
CITY OF HENDERSON	RF.HN65	MSC5030257	10/23/2018	4500286838	10/31/2018	\$8,353.19
CITY OF HENDERSON	RF.HN66	MSC5030256	10/23/2018	4500286838	10/31/2018	\$1,252.85
CITY OF HENDERSON	RF.HN66	MSC5030257	10/23/2018	4500286838	10/31/2018	\$346.59
CITY OF HENDERSON	RF.HN66	MSC5030257	10/23/2018	4500286838	10/31/2018	\$3,660.25
CITY OF HENDERSON	RF.HN67	MSC5030256	10/23/2018	4500286838	10/31/2018	\$339.94
CITY OF HENDERSON	RF.HN67	MSC5030257	10/23/2018	4500286838	10/31/2018	\$577.68
CITY OF HENDERSON	RF.HN67	MSC5030257	10/23/2018	4500286838	10/31/2018	\$10,687.61
CITY OF HENDERSON	RF.HN68	MSC5030256	10/23/2018	4500286838	10/31/2018	\$339.94
CITY OF HENDERSON	RF.HN68	MSC5030257	10/23/2018	4500286838	10/31/2018	\$1,302.43
CITY OF HENDERSON	RF.HN68	MSC5030257	10/23/2018	4500286838	10/31/2018	\$375.02
CITY OF HENDERSON	RF.HN68	MSC5030257	10/23/2018	4500286838	10/31/2018	\$1,504.39
CITY OF HENDERSON	RF.HN68	MSC5030257	10/23/2018	4500286838	10/31/2018	\$3,391.00
CITY OF HENDERSON	RF.HN69	MSC5030256	10/23/2018	4500286838	10/31/2018	\$746.68
CITY OF HENDERSON	RF.HN69	MSC5030257	10/23/2018	4500286838	10/31/2018	\$231.06
CITY OF HENDERSON	RF.HN69	MSC5030257	10/23/2018	4500286838	10/31/2018	\$149.02
CITY OF HENDERSON	RF.HN69	MSC5030257	10/23/2018	4500286838	10/31/2018	\$79.37
CITY OF HENDERSON	RF.HN69	MSC5030257	10/23/2018	4500286838	10/31/2018	\$13,731.75
CITY OF HENDERSON	RF.HN69	MSC5030257	10/23/2018	4500286838	10/31/2018	\$6,245.12
CITY OF HENDERSON	RF.HN70	MSC5030256	10/23/2018	4500286838	10/31/2018	\$339.94
CITY OF HENDERSON	RF.HN70	MSC5030257	10/23/2018	4500286838	10/31/2018	\$288.84

**Regional Flood Control District
 Monthly Expenditures
 Maintenance Work Program
 10/1/2018 to 10/31/2018**

<u>Vendor</u>	<u>Facility</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>P.O. Number</u>	<u>Date Paid</u>	<u>Amount</u>
CITY OF HENDERSON	RF.HN71	MSC5030256	10/23/2018	4500286838	10/31/2018	\$339.94
CITY OF HENDERSON	RF.HN72	MSC5030256	10/23/2018	4500286838	10/31/2018	\$339.94
CITY OF HENDERSON	RF.HN73	MSC5030256	10/23/2018	4500286838	10/31/2018	\$339.94
CITY OF LAS VEGAS	RF.LV51	271777	10/18/2018	4500289796	10/31/2018	\$3,107.36
CITY OF LAS VEGAS	RF.LV52	271777	10/18/2018	4500289796	10/31/2018	\$7,701.55
CITY OF LAS VEGAS	RF.LV53	271777	10/18/2018	4500289796	10/31/2018	\$3,050.86
CITY OF LAS VEGAS	RF.LV54	271777	10/18/2018	4500289796	10/31/2018	\$719.20
CITY OF LAS VEGAS	RF.LV54	271777	10/18/2018	4500289796	10/31/2018	\$69,235.00
CITY OF LAS VEGAS	RF.LV54	271777	10/18/2018	4500289796	10/31/2018	\$4,941.52
CITY OF LAS VEGAS	RF.LV55	271777	10/18/2018	4500289796	10/31/2018	\$533.42
CITY OF LAS VEGAS	RF.LV57	271777	10/18/2018	4500289796	10/31/2018	\$3,794.67
CITY OF MESQUITE	RF.ME01	PW2019078	10/17/2018	4500285663	10/31/2018	\$86.72
CITY OF MESQUITE	RF.ME01	PW2019078	10/17/2018	4500285663	10/31/2018	\$802.40
CITY OF MESQUITE	RF.ME02	PW2019078	10/17/2018	4500285663	10/31/2018	\$86.72
CITY OF MESQUITE	RF.ME04	PW2019078	10/17/2018	4500285663	10/31/2018	\$350.00
CITY OF MESQUITE	RF.ME04	PW2019078	10/17/2018	4500285663	10/31/2018	\$4,000.00
CITY OF MESQUITE	RF.ME04	PW2019078	10/17/2018	4500285663	10/31/2018	\$80,360.00
CITY OF MESQUITE	RF.ME04	PW2019078	10/17/2018	4500285663	10/31/2018	\$197.05
CITY OF MESQUITE	RF.ME07	PW2019078	10/17/2018	4500285663	10/31/2018	\$86.72
CITY OF MESQUITE	RF.ME07	PW2019078	10/17/2018	4500285663	10/31/2018	\$963.66
CITY OF MESQUITE	RF.ME07	PW2019078	10/17/2018	4500285663	10/31/2018	\$149.90
CITY OF MESQUITE	RF.ME08	PW2019078	10/17/2018	4500285663	10/31/2018	\$350.00
CITY OF MESQUITE	RF.ME08	PW2019078	10/17/2018	4500285663	10/31/2018	\$2,600.00
CITY OF MESQUITE	RF.ME08	PW2019078	10/17/2018	4500285663	10/31/2018	\$16,575.00
CITY OF MESQUITE	RF.ME08	PW2019078	10/17/2018	4500285663	10/31/2018	\$704.28
CITY OF MESQUITE	RF.ME09	PW2019078	10/17/2018	4500285663	10/31/2018	\$350.00
CITY OF MESQUITE	RF.ME09	PW2019078	10/17/2018	4500285663	10/31/2018	\$1,300.00
CITY OF MESQUITE	RF.ME09	PW2019078	10/17/2018	4500285663	10/31/2018	\$5,100.00
CITY OF MESQUITE	RF.ME09	PW2019078	10/17/2018	4500285663	10/31/2018	\$1,544.46
CITY OF NORTH LAS VEGAS	RF.NL01	352766	10/01/2018	4500286117	10/05/2018	\$234.40
CITY OF NORTH LAS VEGAS	RF.NL01	352786	10/22/2018	4500286117	10/25/2018	\$195.33
CITY OF NORTH LAS VEGAS	RF.NL02	352766	10/01/2018	4500286117	10/05/2018	\$1,511.13
CITY OF NORTH LAS VEGAS	RF.NL02	352766	10/01/2018	4500286117	10/05/2018	\$234.40
CITY OF NORTH LAS VEGAS	RF.NL02	352786	10/22/2018	4500286117	10/25/2018	\$13,371.78
CITY OF NORTH LAS VEGAS	RF.NL02	352786	10/22/2018	4500286117	10/25/2018	\$5,006.14
CITY OF NORTH LAS VEGAS	RF.NL03	352766	10/01/2018	4500286117	10/05/2018	\$1,680.86
CITY OF NORTH LAS VEGAS	RF.NL03	352766	10/01/2018	4500286117	10/05/2018	\$234.40

**Regional Flood Control District
Monthly Expenditures
Maintenance Work Program
10/1/2018 to 10/31/2018**

<u>Vendor</u>	<u>Facility</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>P.O. Number</u>	<u>Date Paid</u>	<u>Amount</u>
CITY OF NORTH LAS VEGAS	RF.NL03	352786	10/22/2018	4500286117	10/25/2018	\$195.33
CITY OF NORTH LAS VEGAS	RF.NL04	352786	10/22/2018	4500286117	10/25/2018	\$757.26
CITY OF NORTH LAS VEGAS	RF.NL04	352786	10/22/2018	4500286117	10/25/2018	\$459.63
CITY OF NORTH LAS VEGAS	RF.NL05	352766	10/01/2018	4500286117	10/05/2018	\$2,280.94
CITY OF NORTH LAS VEGAS	RF.NL06	352766	10/01/2018	4500286117	10/05/2018	\$64,667.69
CITY OF NORTH LAS VEGAS	RF.NL06	352766	10/01/2018	4500286117	10/05/2018	\$60,758.62
CITY OF NORTH LAS VEGAS	RF.NL06	352766	10/01/2018	4500286117	10/05/2018	\$810.08
CITY OF NORTH LAS VEGAS	RF.NL06	352786	10/22/2018	4500286117	10/25/2018	\$55,517.14
CITY OF NORTH LAS VEGAS	RF.NL06	352786	10/22/2018	4500286117	10/25/2018	\$306.42
CITY OF NORTH LAS VEGAS	RF.NL07	352766	10/01/2018	4500286117	10/05/2018	\$4,755.24
CITY OF NORTH LAS VEGAS	RF.NL07	352766	10/01/2018	4500286117	10/05/2018	\$8,978.00
CITY OF NORTH LAS VEGAS	RF.NL10	352766	10/01/2018	4500286117	10/05/2018	\$2,018.95
CITY OF NORTH LAS VEGAS	RF.NL11	352766	10/01/2018	4500286117	10/05/2018	\$234.40
CITY OF NORTH LAS VEGAS	RF.NL11	352786	10/22/2018	4500286117	10/25/2018	\$1,710.80
CITY OF NORTH LAS VEGAS	RF.NL11	352786	10/22/2018	4500286117	10/25/2018	\$403.01
CITY OF NORTH LAS VEGAS	RF.NL12	352786	10/22/2018	4500286117	10/25/2018	\$37,405.62
CITY OF NORTH LAS VEGAS	RF.NL13	352766	10/01/2018	4500286117	10/05/2018	\$7,039.06
CITY OF NORTH LAS VEGAS	RF.NL13	352786	10/22/2018	4500286117	10/25/2018	\$3,836.03
CITY OF NORTH LAS VEGAS	RF.NL13	352786	10/22/2018	4500286117	10/25/2018	\$1,366.56
CITY OF NORTH LAS VEGAS	RF.NL14	352786	10/22/2018	4500286117	10/25/2018	\$1,028.18
CITY OF NORTH LAS VEGAS	RF.NL15	352786	10/22/2018	4500286117	10/25/2018	\$306.42
CITY OF NORTH LAS VEGAS	RF.NL16	352766	10/01/2018	4500286117	10/05/2018	\$1,629.04
CITY OF NORTH LAS VEGAS	RF.NL16	352766	10/01/2018	4500286117	10/05/2018	\$441.26
CITY OF NORTH LAS VEGAS	RF.NL16	352786	10/22/2018	4500286117	10/25/2018	\$807.42
CITY OF NORTH LAS VEGAS	RF.NL17	352786	10/22/2018	4500286117	10/25/2018	\$47,436.71
L R NELSON CONSULTING ENGINEERS	RF.HN65	6-010B	09/15/2018	4500286848	10/15/2018	\$1,116.00
PUBLIC WORKS/CC TREAS	RF.CC01	4019000043	10/31/2018	none	10/31/2018	\$10,600.00
PUBLIC WORKS/CC TREAS	RF.CC02	4019000044	10/31/2018	none	10/31/2018	\$850.00
PUBLIC WORKS/CC TREAS	RF.CC03	4019000045	10/31/2018	none	10/31/2018	\$3,289.00
PUBLIC WORKS/CC TREAS	RF.CC05	4019000046	10/31/2018	none	10/31/2018	\$1,700.00
PUBLIC WORKS/CC TREAS	RF.CC05	4019000047	10/31/2018	none	10/31/2018	\$3,009.81
PUBLIC WORKS/CC TREAS	RF.CC06	4019000048	10/31/2018	none	10/31/2018	\$3,650.00
PUBLIC WORKS/CC TREAS	RF.CC09	4019000049	10/31/2018	none	10/31/2018	\$450.00
PUBLIC WORKS/CC TREAS	RF.CC16	4019000050	10/31/2018	none	10/31/2018	\$850.00
PUBLIC WORKS/CC TREAS	RF.CC19	4019000051	10/31/2018	none	10/31/2018	\$850.00
PUBLIC WORKS/CC TREAS	RF.CC21	4019000052	10/31/2018	none	10/31/2018	\$850.00

**Regional Flood Control District
Monthly Expenditures
Maintenance Work Program
10/1/2018 to 10/31/2018**

Total Expenditures	<u>\$672,083.00</u>
Grand Total	<u><u>\$672,083.00</u></u>

**Regional Flood Control District
Maintenance Work Program Status Report - Fiscal Year2018**

Boulder City

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.BC01	Hemenway Watershed	\$150,000.00	\$135,467.38	\$14,532.62
RF.BC02	Georgia/Buchanan Watershed	\$87,350.00	\$48,022.28	\$39,327.72
RF.BC03	North Railroad Watershed	\$36,650.00	\$8,495.81	\$28,154.19
RF.BC04	West Airport Watershed	\$26,000.00	\$17,584.63	\$8,415.37
		<u>\$300,000.00</u>	<u>\$209,570.10</u>	<u>\$90,429.90</u>

Clark County

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.CC01	Flamingo Wash	\$1,167,200.00	\$688,012.00	\$479,188.00
RF.CC02	Las Vegas Wash	\$111,500.00	\$29,874.22	\$81,625.78
RF.CC03	Duck Creek	\$533,000.00	\$363,756.22	\$169,243.78
RF.CC05	Las Vegas Range Wash	\$497,800.00	\$240,268.08	\$257,531.92
RF.CC06	Tropicana Wash	\$276,500.00	\$162,724.70	\$113,775.30
RF.CC07	Airport Channel	\$48,000.00	\$34,600.79	\$13,399.21
RF.CC08	Monson Channel	\$94,700.00	\$7,561.30	\$87,138.70
RF.CC09	Rawhide Channel	\$80,000.00	\$10,401.59	\$69,598.41
RF.CC10	Van Buskirk Channel	\$40,000.00	\$33,288.37	\$6,711.63
RF.CC11	Flamingo Wash North Fork	\$44,000.00	\$32,937.23	\$11,062.77
RF.CC14	Laughlin Washes	\$36,000.00	\$7,887.99	\$28,112.01
RF.CC15	Moapa Valley	\$137,800.00	\$98,602.72	\$39,197.28
RF.CC16	Blue Diamond Wash	\$264,000.00	\$210,332.79	\$53,667.21
RF.CC17	Searchlight	\$2,000.00	\$678.40	\$1,321.60
RF.CC18	Bunkerville	\$33,200.00	\$17,918.90	\$15,281.10
RF.CC19	Pittman Wash	\$42,500.00	\$15,505.52	\$26,994.48
RF.CC20	Indian Springs	\$9,000.00	\$2,007.92	\$6,992.08
RF.CC21	Northern Beltway Channels	\$70,000.00	\$15,942.01	\$54,057.99
		<u>\$3,487,200.00</u>	<u>\$1,972,300.75</u>	<u>\$1,514,899.25</u>

Henderson

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.HN65	C1 North	\$242,002.92	\$242,002.92	\$0.00
RF.HN66	C1 South	\$1,081,291.27	\$861,925.37	\$219,365.90
RF.HN67	Pittman Central NE	\$147,276.12	\$147,276.12	\$0.00
RF.HN68	Pittman Central SE	\$108,419.35	\$48,419.35	\$60,000.00
RF.HN69	Pittman Central NW	\$219,810.38	\$219,810.38	\$0.00
RF.HN70	Pittman Central SW	\$97,488.42	\$97,488.42	\$0.00
RF.HN71	Pittman Anthem Inspirada	\$36,433.98	\$35,535.45	\$898.53
RF.HN72	Pittman Seven Hills	\$134,129.57	\$133,231.05	\$898.52
RF.HN73	Pittman West Henderson	\$10,697.99	\$10,697.99	\$0.00
		<u>\$2,077,550.00</u>	<u>\$1,796,387.05</u>	<u>\$281,162.95</u>

Las Vegas

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.LV51	Cedar Ave Channel/Nellis System	\$213,000.00	\$53,344.78	\$159,655.22
RF.LV52	Gowan/Angel Pk/Lone Mtn System	\$600,000.00	\$503,506.46	\$96,493.54
RF.LV53	Lake Mead/Smoke Ranch/Washington Sys	\$50,000.00	\$38,601.67	\$11,398.33

Regional Flood Control District

Maintenance Work Program Status Report - Fiscal Year 2018

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.LV54	Las Vegas Wash System	\$576,000.00	\$493,399.82	\$82,600.18
RF.LV55	Meadows/Oakey System	\$247,000.00	\$216,224.40	\$30,775.60
RF.LV56	Washington Ave/LV Creek	\$54,000.00	\$21,536.60	\$32,463.40
RF.LV57	US95/Outer Beltway/Ann Road System	\$1,085,000.00	\$1,013,863.37	\$71,136.63
		\$2,825,000.00	\$2,340,477.10	\$484,522.90

Mesquite

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.ME01	Mesquite Town Wash	\$21,308.00	\$21,308.00	\$0.00
RF.ME02	Abbott Wash Channel	\$20,516.15	\$20,516.15	\$0.00
RF.ME04	Town Wash Detention Basin	\$188,993.61	\$188,993.61	\$0.00
RF.ME07	Pulsipher Wash	\$14,966.44	\$14,966.44	\$0.00
RF.ME08	Abbott Wash Detention Basin	\$69,007.25	\$69,007.25	\$0.00
RF.ME09	Pulsipher Wash Detention Basin	\$20,008.55	\$20,008.55	\$0.00
		\$334,800.00	\$334,800.00	\$0.00

North Las Vegas

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.NL01	LV Wash "N" Channel	\$46,698.34	\$46,471.81	\$226.53
RF.NL02	Las Vegas Wash-Middle	\$156,779.65	\$156,553.12	\$226.53
RF.NL03	LV Wash-King Charles Channel	\$23,100.39	\$22,873.86	\$226.53
RF.NL04	Vandenberg Detention Basin	\$619,271.90	\$619,271.90	\$0.00
RF.NL05	North Las Vegas Detention Basin	\$3,971.04	\$3,971.04	\$0.00
RF.NL06	Upper LVW DB & Moccasin Levee	\$130,877.16	\$128,750.16	\$2,127.00
RF.NL07	Carey/Lake Mead Detention Basin	\$37,260.85	\$37,260.85	\$0.00
RF.NL08	Gowan Outfall Channel	\$18,696.40	\$18,696.40	\$0.00
RF.NL10	Upper Las Vegas Wash	\$5,367.29	\$5,367.29	\$0.00
RF.NL11	Clayton Street Channel	\$11,782.31	\$11,555.78	\$226.53
RF.NL12	Lower Las Vegas Detention Basin	\$101,367.81	\$101,367.81	\$0.00
RF.NL13	West Trib-Ranch House to Lower LV DB	\$78,790.88	\$78,564.34	\$226.54
RF.NL14	Trib to Western Trib @ Craig Rd	\$33,579.64	\$33,579.64	\$0.00
RF.NL15	Las Vegas Wash-Smoke Ranch	\$11,056.43	\$11,056.43	\$0.00
RF.NL16	Upper Las Vegas Wash Channel	\$29,783.27	\$29,783.27	\$0.00
RF.NL17	Range Wash-LVW Diversion & Levee	\$466.15	\$466.15	\$0.00
RF.NL18	Cheyenne Peaking Basin	\$18,876.30	\$18,876.30	\$0.00
RF.NL19	LVW-Middle, Cheyenne Ave to Owens Ave	\$449,774.19	\$449,573.69	\$200.50
		\$1,777,500.00	\$1,774,039.84	\$3,460.16
	Program Total	\$10,802,050.00	\$8,427,574.84	\$2,374,475.16

**Regional Flood Control District
Maintenance Work Program Status Report - Fiscal Year2019**

Boulder City

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.BC01	Hemenway Watershed	\$182,000.00	\$32,912.72	\$149,087.28
RF.BC02	Georgia/Buchanan Watershed	\$65,000.00	\$0.00	\$65,000.00
RF.BC03	North Railroad Watershed	\$20,000.00	\$7,323.48	\$12,676.52
RF.BC04	West Airport Watershed	\$33,000.00	\$938.32	\$32,061.68
		<u>\$300,000.00</u>	<u>\$41,174.52</u>	<u>\$258,825.48</u>

Clark County

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.CC01	Flamingo Wash	\$881,500.00	\$104,076.10	\$777,423.90
RF.CC02	Las Vegas Wash	\$313,000.00	\$9,630.37	\$303,369.63
RF.CC03	Duck Creek	\$455,500.00	\$125,334.48	\$330,165.52
RF.CC05	Las Vegas Range Wash	\$2,609,500.00	\$62,186.92	\$2,547,313.08
RF.CC06	Tropicana Wash	\$265,000.00	\$34,946.86	\$230,053.14
RF.CC07	Airport Channel	\$48,500.00	\$8,638.69	\$39,861.31
RF.CC08	Monson Channel	\$1,854,700.00	\$158.79	\$1,854,541.21
RF.CC09	Rawhide Channel	\$63,500.00	\$1,810.42	\$61,689.58
RF.CC10	Van Buskirk Channel	\$37,000.00	\$8,660.76	\$28,339.24
RF.CC11	Flamingo Wash North Fork	\$45,000.00	\$4,653.27	\$40,346.73
RF.CC14	Laughlin Washes	\$39,500.00	\$75.45	\$39,424.55
RF.CC15	Moapa Valley	\$120,500.00	\$267.42	\$120,232.58
RF.CC16	Blue Diamond Wash	\$147,500.00	\$17,912.95	\$129,587.05
RF.CC17	Searchlight	\$7,500.00	\$0.00	\$7,500.00
RF.CC18	Bunkerville	\$14,500.00	\$534.84	\$13,965.16
RF.CC19	Pittman Wash	\$41,500.00	\$6,401.43	\$35,098.57
RF.CC20	Indian Springs	\$13,500.00	\$0.00	\$13,500.00
RF.CC21	Northern Beltway Channels	\$34,000.00	\$6,725.90	\$27,274.10
		<u>\$6,991,700.00</u>	<u>\$392,014.65</u>	<u>\$6,599,685.35</u>

Henderson

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.HN65	C1 North	\$1,348,064.18	\$27,076.66	\$1,320,987.52
RF.HN66	C1 South	\$397,814.74	\$192,137.92	\$205,676.82
RF.HN67	Pittman Central NE	\$68,800.00	\$22,804.40	\$45,995.60
RF.HN68	Pittman Central SE	\$39,000.00	\$10,543.28	\$28,456.72
RF.HN69	Pittman Central NW	\$113,021.08	\$68,607.79	\$44,413.29
RF.HN70	Pittman Central SW	\$22,000.00	\$3,070.42	\$18,929.58
RF.HN71	Pittman Anthem Inspirada	\$26,000.00	\$2,512.73	\$23,487.27
RF.HN72	Pittman Seven Hills	\$19,000.00	\$2,604.49	\$16,395.51
RF.HN73	Pittman West Henderson	\$4,300.00	\$2,017.78	\$2,282.22
		<u>\$2,038,000.00</u>	<u>\$331,375.47</u>	<u>\$1,706,624.53</u>

Las Vegas

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.LV51	Cedar Ave Channel/Nellis System	\$100,000.00	\$16,185.69	\$83,814.31
RF.LV52	Gowan/Angel Pk/Lone Mtn System	\$700,000.00	\$13,555.20	\$686,444.80
RF.LV53	Lake Mead/Smoke Ranch/Washington Sys	\$100,000.00	\$8,710.55	\$91,289.45

Regional Flood Control District

Maintenance Work Program Status Report - Fiscal Year2019

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.LV54	Las Vegas Wash System	\$700,000.00	\$84,300.65	\$615,699.35
RF.LV55	Meadows/Oakey System	\$100,000.00	\$2,946.56	\$97,053.44
RF.LV56	Washington Ave/LV Creek	\$225,000.00	\$1,858.11	\$223,141.89
RF.LV57	US95/Outer Beltway/Ann Road System	\$900,000.00	\$13,980.72	\$886,019.28
		\$2,825,000.00	\$141,537.48	\$2,683,462.52

Mesquite

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.ME01	Mesquite Town Wash	\$19,000.00	\$889.12	\$18,110.88
RF.ME02	Abbott Wash Channel	\$14,300.00	\$86.72	\$14,213.28
RF.ME04	Town Wash Detention Basin	\$292,400.00	\$84,907.05	\$207,492.95
RF.ME07	Pulsipher Wash	\$29,400.00	\$1,200.28	\$28,199.72
RF.ME08	Abbott Wash Detention Basin	\$60,000.00	\$20,229.28	\$39,770.72
RF.ME09	Pulsipher Wash Detention Basin	\$29,700.00	\$8,294.46	\$21,405.54
		\$444,800.00	\$115,606.91	\$329,193.09

North Las Vegas

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.NL01	LV Wash "N" Channel	\$67,575.00	\$781.33	\$66,793.67
RF.NL02	Las Vegas Wash-Middle	\$115,165.38	\$21,508.55	\$93,656.83
RF.NL03	LV Wash-King Charles Channel	\$57,071.00	\$10,695.91	\$46,375.09
RF.NL04	Vandenberg Detention Basin	\$112,747.74	\$1,216.89	\$111,530.85
RF.NL05	North Las Vegas Detention Basin	\$134,982.86	\$2,280.94	\$132,701.92
RF.NL06	Upper LVW DB & Moccasin Levee	\$341,368.98	\$271,889.16	\$69,479.82
RF.NL07	Carey/Lake Mead Detention Basin	\$103,071.00	\$20,759.41	\$82,311.59
RF.NL08	Gowan Outfall Channel	\$57,571.00	\$0.00	\$57,571.00
RF.NL10	Upper Las Vegas Wash	\$21,000.00	\$2,018.95	\$18,981.05
RF.NL11	Clayton Street Channel	\$47,571.00	\$2,967.24	\$44,603.76
RF.NL12	Lower Las Vegas Detention Basin	\$111,476.62	\$37,405.62	\$74,071.00
RF.NL13	West Trib-Ranch House to Lower LV DB	\$58,071.00	\$17,734.81	\$40,336.19
RF.NL14	Trib to Western Trib @ Craig Rd	\$49,571.00	\$1,324.30	\$48,246.70
RF.NL15	Las Vegas Wash-Smoke Ranch	\$45,571.00	\$306.42	\$45,264.58
RF.NL16	Upper Las Vegas Wash Channel	\$180,374.04	\$6,884.65	\$173,489.39
RF.NL17	Range Wash-LVW Diversion & Levee	\$146,241.38	\$47,436.71	\$98,804.67
RF.NL18	Cheyenne Peaking Basin	\$68,071.00	\$12,224.41	\$55,846.59
		\$1,717,500.00	\$457,435.30	\$1,260,064.70

Program Total	\$14,317,000.00	\$1,479,144.33	\$12,837,855.67
----------------------	------------------------	-----------------------	------------------------

REGIONAL FLOOD CONTROL DISTRICT
 FUND 3300 - BOND DEBT SERVICE FUND
 FUND BALANCE REPORT
 OCTOBER 2018

BEGINNING CASH BALANCE	24,551,314.86	
Accruals/Adjustments	<u>0.00</u>	
 TOTAL BEGINNING CASH BALANCE		 \$24,551,314.86
 REVENUES:		
Interest Income	39,280.06	
Fund 2860 - Transfer In Debt Service	3,302,766.04	
Bonds Issued	0.00	
Premium on Bonds Issued	0.00	
Miscellaneous Other Revenue	0.00	
Accruals/Adjustments		
Miscellaneous Accruals/Adjustments	<u>0.00</u>	
 TOTAL MONTHLY REVENUES		 \$3,342,046.10
 EXPENDITURES:		
Professional Services	0.00	
Debt Service Payments*	0.00	
Payments to Escrow Agent	0.00	
Transfers Out to Other Funds	0.00	
Accruals/Adjustments		
Miscellaneous Accruals/Adjustments	<u>0.00</u>	
 TOTAL MONTHLY EXPENSES		 <u>\$0.00</u>
 ENDING CASH BALANCE:		 <u><u>\$27,893,360.96</u></u>

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

REGIONAL FLOOD CONTROL DISTRICT
 FUND 4430 - CONSTRUCTION FUND
 FUND BALANCE REPORT
 OCTOBER 2018

BEGINNING CASH BALANCE:

Cash in Custody of Treasurer	120,476,253.13
Custodial Account Cash Balance	10,521,305.04
Accruals/Adjustments	<u>0.00</u>

TOTAL BEGINNING CASH BALANCE \$130,997,558.17

REVENUES:

Fund 2860 - Transfer In Budgeted Transfer	4,300,000.00
Fund 3300 - Transfer In Bond Proceeds	0.00
Custodial Account - Transfer In to Treasurer	0.00
Interest Earnings	168,250.78
Custodial Account Interest Earnings	0.00
Proceeds from Bonds and Loans	0.00
Miscellaneous Other Revenue	0.00
Accruals/Adjustments	0.00
Miscellaneous Accruals/Adjustments	<u>0.00</u>

TOTAL MONTHLY REVENUES \$4,468,250.78

EXPENDITURES:

Capital Improvement Program	(2,603,351.47)
Professional Services	0.00
Project Reimbursements	0.00
Fund 2860 - Transfer Out Interest Earnings	(61,538.46)
Fund 2860 - Transfer Out ILA Closeout/Reductions	0.00
Custodial Account - Transfer Out to Treasurer	0.00
Accruals/Adjustments	0.00
Contracts Retention Payable	0.00
Contracts Retention Interest Payable	0.00
Accounts Payable	381,008.00
Miscellaneous Accruals/Adjustments	<u>0.00</u>

TOTAL MONTHLY EXPENDITURES (\$2,283,881.93)

ENDING CASH BALANCE:

Cash in Custody of Treasurer	122,660,621.98
Custodial Account Cash Balance	<u>10,521,305.04</u>

ENDING CASH BALANCE: \$133,181,927.02

**Regional Flood Control District
 Monthly Expenditures
 Capital Improvement Program
 10/1/2018 to 10/31/2018**

Fund 4430

Fiscal Year 2019

<u>Vendor</u>	<u>Project</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>P.O. Number</u>	<u>Date Paid</u>	<u>Amount</u>
CEEC INC	RF.HEN16F17	#4	10/03/2018	4800008797 00010	10/16/2018	\$39,731.25
CH2M HILL ENGINEERS INC	RF.HEN05E09	381159484	09/17/2018	4800006548 00020	10/05/2018	\$10,381.18
CH2M HILL ENGINEERS INC	RF.HEN05E09	650828CH034	09/27/2018	4800006548 00020	10/22/2018	\$2,796.00
CITY OF HENDERSON	RF.HEN05E09	MSC5030252	10/23/2018	4800002768 00010	10/31/2018	\$1,615.86
CITY OF HENDERSON	RF.HEN06H09	MSC5030251	10/23/2018	4800002480 00010	10/31/2018	\$147.53
CITY OF HENDERSON	RF.HEN07F18	MSC5030255	10/23/2018	4800008975 00010	10/31/2018	\$771.02
CITY OF HENDERSON	RF.HEN16A01	MSC5030247	10/23/2018	4800001182 00010	10/31/2018	\$1,823.86
CITY OF HENDERSON	RF.HEN16F17	MSC5030254	10/23/2018	4800008512 00010	10/31/2018	\$18,023.95
CITY OF HENDERSON	RF.HEN22A09	MSC5030248	10/23/2018	4800002398 00010	10/31/2018	\$171.58
CITY OF HENDERSON	RF.HEN23A09	MSC5030249	10/23/2018	4800002478 00010	10/31/2018	\$147.53
CITY OF HENDERSON	RF.HEN05G16	MSC5030253	10/23/2018	4800007531 00010	10/31/2018	\$6,675.50
CITY OF LAS VEGAS	RF.LAS14C11	271778	10/18/2018	4800004218 00010	10/31/2018	\$327.84
CITY OF LAS VEGAS	RF.LAS16P15	271785	10/18/2018	4800007389 00010	10/31/2018	\$2,631.32
CITY OF LAS VEGAS	RF.LAS16Q18	271793	10/18/2018	4800008811 00010	10/31/2018	\$231.62
CITY OF LAS VEGAS	RF.LAS22T15	271787	10/18/2018	4800007190 00020	10/31/2018	\$210,235.70
CITY OF LAS VEGAS	RF.LAS23G15	271788	10/18/2018	4800007191 00010	10/31/2018	\$12,044.92
CITY OF LAS VEGAS	RF.LAS23H15	271782	10/18/2018	4800007390 00010	10/31/2018	\$4,295.21
CITY OF LAS VEGAS	RF.LAS23I17	271789	10/18/2018	4800008135 00010	10/31/2018	\$347.43
CITY OF LAS VEGAS	RF.LAS24H13	271780	10/18/2018	4800005747 00020	10/31/2018	\$4,661.08
CITY OF LAS VEGAS	RF.LAS24I15	271784	10/18/2018	4800007188 00010	10/31/2018	\$115.81
CITY OF LAS VEGAS	RF.LAS24J15	271786	10/18/2018	4800007189 00010	10/31/2018	\$2,554.76
CITY OF LAS VEGAS	RF.LAS24L17	271792	10/18/2018	4800008446 00010	10/31/2018	\$231.62
CITY OF LAS VEGAS	RF.LAS24M17	271791	10/18/2018	4800008554 00010	10/31/2018	\$6,456.66
CITY OF LAS VEGAS	RF.LAS24M17	271791	10/18/2018	4800008554 00020	10/31/2018	\$19,724.73
CITY OF LAS VEGAS	RF.LAS28C12	271779	10/18/2018	4800005013 00010	10/31/2018	\$581.90
CITY OF LAS VEGAS	RF.LAS29B15	271783	10/18/2018	4800007391 00010	10/31/2018	\$7,271.18
CITY OF LAS VEGAS	RF.LAS29C16	271297	10/09/2018	4500255470 00010	10/17/2018	\$43,809.06
CITY OF LAS VEGAS	RF.LAS29D17	271790	10/18/2018	4800008455 00010	10/31/2018	\$463.24
CITY OF LAS VEGAS	RF.LAS31A17	271794	10/18/2018	4800008684 00010	10/31/2018	\$78.78
CITY OF MESQUITE	RF.MES01E17	PW2019075	10/15/2018	4800008683 00010	10/23/2018	\$28,774.70
CITY OF MESQUITE	RF.MES04A15	PW2019074	10/15/2018	4800007392 00010	10/22/2018	\$24,158.08
CITY OF NORTH LAS VEGAS	RF.NLV03E13	9176	09/18/2018	4800006067 00010	10/05/2018	\$2,330.32
CITY OF NORTH LAS VEGAS	RF.NLV03E13	9176	09/18/2018	4800006067 00030	10/05/2018	\$241.35
CITY OF NORTH LAS VEGAS	RF.NLV03E13	9201	10/18/2018	4800006067 00010	10/31/2018	\$24,998.81

**Regional Flood Control District
 Monthly Expenditures
 Capital Improvement Program
 10/1/2018 to 10/31/2018**

<u>Vendor</u>	<u>Project</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>P.O. Number</u>	<u>Date Paid</u>	<u>Amount</u>
CITY OF NORTH LAS VEGAS	RF.NLV03F17	9181	09/17/2018	4800008161 00010	10/05/2018	\$785.69
CITY OF NORTH LAS VEGAS	RF.NLV03F17	9181	09/17/2018	4800008161 00040	10/05/2018	\$4,757.81
CITY OF NORTH LAS VEGAS	RF.NLV03F17	9206	10/18/2018	4800008161 00010	10/31/2018	\$88,341.96
CITY OF NORTH LAS VEGAS	RF.NLV03G17	9179	09/17/2018	4800008160 00010	10/05/2018	\$20,550.14
CITY OF NORTH LAS VEGAS	RF.NLV03G17	9204	10/18/2018	4800008160 00010	10/31/2018	\$1,972.68
CITY OF NORTH LAS VEGAS	RF.NLV03H17	9177	09/17/2018	4800008676 00020	10/05/2018	\$9,749.46
CITY OF NORTH LAS VEGAS	RF.NLV03H17	9202	10/18/2018	4800008676 00010	10/31/2018	\$8,428.58
CITY OF NORTH LAS VEGAS	RF.NLV03H17	9202	10/18/2018	4800008676 00020	10/31/2018	\$7,657.81
CITY OF NORTH LAS VEGAS	RF.NLV03I18	9180	09/17/2018	4800008711 00020	10/05/2018	\$2,931.09
CITY OF NORTH LAS VEGAS	RF.NLV03I18	9205	10/18/2018	4800008711 00010	10/31/2018	\$28,202.14
CITY OF NORTH LAS VEGAS	RF.NLV03I18	9205	10/18/2018	4800008711 00020	10/31/2018	\$129.62
CITY OF NORTH LAS VEGAS	RF.NLV04K17	9182	09/17/2018	4800008195 00010	10/05/2018	\$11,686.13
CITY OF NORTH LAS VEGAS	RF.NLV04K17	9207	10/18/2018	4800008195 00010	10/31/2018	\$15,210.56
CITY OF NORTH LAS VEGAS	RF.NLV09E11	9174	09/17/2018	4800004139 00030	10/05/2018	\$68,833.65
CITY OF NORTH LAS VEGAS	RF.NLV09E11	9174	09/17/2018	4800004139 00020	10/05/2018	\$1,204.65
CITY OF NORTH LAS VEGAS	RF.NLV09I13	9175A	09/17/2018	4800006141 00030	10/05/2018	\$2,190.69
CITY OF NORTH LAS VEGAS	RF.NLV09I13	9175A	09/17/2018	4800006141 00010	10/05/2018	\$15,711.39
CITY OF NORTH LAS VEGAS	RF.NLV09I13	9200	10/18/2018	4800006141 00010	10/31/2018	\$5,929.40
CITY OF NORTH LAS VEGAS	RF.NLV09I13	9200	10/18/2018	4800006141 00030	10/31/2018	\$2,941.35
CITY OF NORTH LAS VEGAS	RF.NLV17C16	9178	09/17/2018	4800007933 00010	10/05/2018	\$10,068.33
CITY OF NORTH LAS VEGAS	RF.NLV17C16	9203	10/18/2018	4800007933 00010	10/31/2018	\$12,299.81
LAS VEGAS PAVING CORP	RF.HEN05G16	HEN05G16#7	09/30/2018	4800008614 00010	10/31/2018	\$381,008.00
NINYO AND MOORE	RF.HEN05G16	221540	10/01/2018	4800008838 00010	10/17/2018	\$22,648.75
PUBLIC WORKS/CC TREAS	RF.BUN01D11	1519049089	10/30/2018	none	10/30/2018	\$7,875.89
PUBLIC WORKS/CC TREAS	RF.BUN01D11	1519049089	10/30/2018	none	10/30/2018	\$24,925.19
PUBLIC WORKS/CC TREAS	RF.BUN01D11	1519049089	10/30/2018	none	10/30/2018	\$4,750.66
PUBLIC WORKS/CC TREAS	RF.CLA10H13	1519043892	10/17/2018	none	10/17/2018	\$37,931.73
PUBLIC WORKS/CC TREAS	RF.CLA15D12	1519037897	10/03/2018	none	10/03/2018	\$7,261.69
PUBLIC WORKS/CC TREAS	RF.CLA15D12	1519037897	10/03/2018	none	10/03/2018	\$13,826.37
PUBLIC WORKS/CC TREAS	RF.CLA21A00	1519037904	10/03/2018	none	10/03/2018	\$1,144.69
PUBLIC WORKS/CC TREAS	RF.CLA21A00	1519037904	10/03/2018	none	10/03/2018	\$3,750.00
PUBLIC WORKS/CC TREAS	RF.CLA21A00	1519037905	10/03/2018	none	10/03/2018	\$3,098.42
PUBLIC WORKS/CC TREAS	RF.CLD19A17	1519039134	10/05/2018	none	10/05/2018	\$219,113.32
PUBLIC WORKS/CC TREAS	RF.LAU04A08	1519043896	10/17/2018	none	10/17/2018	\$1,116.27
PUBLIC WORKS/CC TREAS	RF.LAU04A08	1519043896	10/17/2018	none	10/17/2018	\$4,000.00
PUBLIC WORKS/CC TREAS	RF.LAU04A08	1519043896	10/17/2018	none	10/17/2018	\$282.43
PUBLIC WORKS/CC TREAS	RF.MOA01F10	1519037890	10/03/2018	none	10/03/2018	\$12,208.20

11/9/2018 - Project Expenditures

**Regional Flood Control District
 Monthly Expenditures
 Capital Improvement Program
 10/1/2018 to 10/31/2018**

<u>Vendor</u>	<u>Project</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>P.O. Number</u>	<u>Date Paid</u>	<u>Amount</u>
PUBLIC WORKS/CC TREAS	RF.MOA01F10	1519037891	10/03/2018	none	10/03/2018	\$2,627.96
PUBLIC WORKS/CC TREAS	RF.MOA01F10	1519037891	10/03/2018	none	10/03/2018	\$8,619.38
PUBLIC WORKS/CC TREAS	RF.MOA01H15	1519047000	10/24/2018	none	10/24/2018	\$132,554.29
PUBLIC WORKS/CC TREAS	RF.SEA03B17	1519040959	10/10/2018	none	10/10/2018	\$521,310.75
PUBLIC WORKS/CC TREAS	RF.CLA04W16	1519040961	10/10/2018	none	10/10/2018	\$362,453.00
PUBLIC WORKS/CC TREAS	RF.CLA08T14	1519037906	10/03/2018	none	10/03/2018	\$1,142.57
PUBLIC WORKS/CC TREAS	RF.CLA08T14	1519042014	10/12/2018	none	10/12/2018	\$1,492.54
PUBLIC WORKS/CC TREAS	RF.CLA15E13	1519043891	10/17/2018	none	10/17/2018	\$25,374.62
REGIONAL FLOOD CONTROL	RF.HEN16F17	1019020743	10/11/2018	none	10/11/2018	\$134.93
REGIONAL FLOOD CONTROL	RF.HEN16F17	1019020745	10/11/2018	none	10/11/2018	\$205.80
REGIONAL FLOOD CONTROL	RF.HEN16F17	1019020745	10/11/2018	none	10/11/2018	(\$205.80)
THE LOUIS BERGER GROUP INC	RF.HEN06H09	188833	10/01/2018	4800003669 00020	10/16/2018	\$166.00
THE LOUIS BERGER GROUP INC	RF.HEN06H09	188833	10/01/2018	4800003669 00050	10/16/2018	\$949.50
VTN NEVADA	RF.HEN16A01	7520#56	09/30/2018	4800006059 00020	10/22/2018	\$2,550.00
VTN NEVADA	RF.HEN16A01	7520#57	10/10/2018	4800006059 00020	10/22/2018	\$600.00
Fiscal Year Total						\$2,603,351.47
Fund Total						\$2,603,351.47

REGIONAL FLOOD CONTROL DISTRICT
 FUND 4440 - CAPITAL IMPROVEMENTS BOND FUND
 FUND BALANCE REPORT
 OCTOBER 2018

BEGINNING CASH BALANCE:	10,368,587.26	
Accruals/Adjustments	<u>0.00</u>	
TOTAL BEGINNING CASH BALANCE		\$10,368,587.26
REVENUES:		
Interest Income	14,620.62	
Proceeds from Bonds and Loans	0.00	
Other	<u>134.93</u>	
TOTAL MONTHLY REVENUES		\$14,755.55
EXPENDITURES:		
Capital Improvement Program	(5,424.39)	
Professional Services	0.00	
Project Reimbursements	0.00	
Fund 4430 - Transfer Out Reallocated Expenses	0.00	
Accruals/Adjustments		
Contracts Retention Payable	165.24	
Contracts Retention Interest Payable	0.00	
Accounts Payable	0.00	
Miscellaneous Accruals/Adjustments	<u>(134.93)</u>	
TOTAL MONTHLY EXPENDITURES		<u>(\$5,394.08)</u>
ENDING CASH BALANCE:		<u><u>\$10,377,948.73</u></u>

**Regional Flood Control District
 Monthly Expenditures
 Capital Improvement Program
 10/1/2018 to 10/31/2018**

Fund 4440

Fiscal Year 2019

<u>Vendor</u>	<u>Project</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>P.O. Number</u>	<u>Date Paid</u>	<u>Amount</u>
CITY OF HENDERSON	RF.HEN23B16	MSC5030250	10/23/2018	4800008134 00010	10/31/2018	\$2,254.54
LAS VEGAS PAVING CORP	RF.HEN23B16	HEN23B16#1	08/31/2018	4800008137 00010	10/22/2018	\$3,304.78
		3				
REGIONAL FLOOD CONTROL	RF.HEN23B16	1019020743	10/11/2018	none	10/11/2018	(\$134.93)
Fiscal Year Total						<u>\$5,424.39</u>
Fund Total						<u><u>\$5,424.39</u></u>

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Boulder City

BOU01C10

Hemenway System, Phase II Improvements

Interlocal Amount \$745,000.00

Original Funding Date 02/11/2010

Expiration Date 01/14/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$730,000.00	\$623,869.77	\$106,130.23
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$15,000.00	\$7,726.67	\$7,273.33
Other	\$0.00	\$0.00	\$0.00
Total	\$745,000.00	\$631,596.44	\$113,403.56

BOU01D17

Hemenway System, Phase IIA Improvements

Interlocal Amount \$2,495,000.00

Original Funding Date 02/09/2017

Expiration Date 02/09/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,200,000.00	\$0.00	\$2,200,000.00
Const Engineering	\$295,000.00	\$0.00	\$295,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,495,000.00	\$0.00	\$2,495,000.00

BOU05J10

North Railroad Conveyance

Interlocal Amount \$530,000.00

Original Funding Date 02/11/2010

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$515,000.00	\$501,735.55	\$13,264.45
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$15,000.00	\$7,726.67	\$7,273.33
Other	\$0.00	\$0.00	\$0.00
Total	\$530,000.00	\$509,462.22	\$20,537.78

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

BOU05M18

North Railroad Conveyance, Phase II

Interlocal Amount \$2,843,962.00

Original Funding Date 06/14/2018

Expiration Date 06/28/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,585,420.00	\$0.00	\$2,585,420.00
Const Engineering	\$258,542.00	\$0.00	\$258,542.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,843,962.00	\$0.00	\$2,843,962.00

ENTITY: Clark County

CLA04E99

Flamingo Wash, McLeod Dr to Maryland PKWY

Interlocal Amount \$2,980,000.00

Original Funding Date 08/12/1999

Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$741,500.00	\$637,505.24	\$103,994.76
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,877,500.00	\$1,538,905.61	\$338,594.39
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$339,000.00	\$315,950.17	\$23,049.83
Other	\$22,000.00	\$17,086.99	\$4,913.01
Total	\$2,980,000.00	\$2,509,448.01	\$470,551.99

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

CLA08Q13

Duck Creek at Dean Martin
Interlocal Amount \$480,000.00

Original Funding Date 09/12/2013
Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$50,500.00	\$42,319.67	\$8,180.33
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$414,000.00	\$360,225.48	\$53,774.52
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$15,500.00	\$10,865.00	\$4,635.00
Other	\$0.00	\$0.00	\$0.00
Total	\$480,000.00	\$413,410.15	\$66,589.85

CLA08R13

Duck Creek, Las Vegas Boulevard
Interlocal Amount \$485,000.00

Original Funding Date 09/12/2013
Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$22,000.00	\$0.00	\$22,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$463,000.00	\$398,261.41	\$64,738.59
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$485,000.00	\$398,261.41	\$86,738.59

CLA08S13

Silverado Ranch Detention Basin and Outfall Facilities
Interlocal Amount \$1,370,000.00

Original Funding Date 09/12/2013
Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$31,000.00	\$13,185.99	\$17,814.01
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,248,000.00	\$663,658.37	\$584,341.63
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$81,000.00	\$32,001.46	\$48,998.54
Other	\$10,000.00	\$0.00	\$10,000.00
Total	\$1,370,000.00	\$708,845.82	\$661,154.18

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

CLA08W16

Duck Creek at Dean Martin

Interlocal Amount \$3,787,357.00

Original Funding Date 10/13/2016

Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$3,472,857.00	\$2,751,559.14	\$721,297.86
Const Engineering	\$314,500.00	\$0.00	\$314,500.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$3,787,357.00	\$2,751,559.14	\$1,035,797.86

CLA10F10

Flamingo Wash, Industrial Road to Hotel Rio Drive

Interlocal Amount \$46,000.00

Original Funding Date 04/08/2010

Expiration Date 06/30/2020

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

CLA10H13

Airport Channel - Naples

Interlocal Amount \$1,150,000.00

Original Funding Date 09/12/2013

Expiration Date 06/30/2023

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$1,088.00	\$912.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,101,000.00	\$310,734.52	\$790,265.48
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$47,000.00	\$0.00	\$47,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,150,000.00	\$311,822.52	\$838,177.48

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

CLA15D12

LVW Sloan-Bonanza, Flam W below Nellis

Interlocal Amount \$6,122,000.00

Original Funding Date 06/14/2012

Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$22,000.00	\$9,552.24	\$12,447.76
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$5,246,000.00	\$4,672,763.02	\$573,236.98
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$220,000.00	\$94,464.74	\$125,535.26
Other	\$634,000.00	\$538,421.23	\$95,578.77
Total	\$6,122,000.00	\$5,315,201.23	\$806,798.77

CLA21A00

Orchard Detention Basin

Interlocal Amount \$1,799,700.00

Original Funding Date 07/13/2000

Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$448,000.00	\$382,123.56	\$65,876.44
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,073,000.00	\$802,900.43	\$270,099.57
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$251,900.00	\$172,595.02	\$79,304.98
Other	\$26,800.00	\$20,081.83	\$6,718.17
Total	\$1,799,700.00	\$1,377,700.84	\$421,999.16

CLA27C08

Flamingo Diversion - Rainbow Branch

Interlocal Amount \$1,030,000.00

Original Funding Date 08/14/2008

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$33,000.00	\$11,521.30	\$21,478.70
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$897,000.00	\$768,717.56	\$128,282.44
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$8,791.09	\$1,208.91
Other	\$90,000.00	\$71,702.65	\$18,297.35
Total	\$1,030,000.00	\$860,732.60	\$169,267.40

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

CLA36A18

Owens Detention Basin, Collection & Outfall

Interlocal Amount \$382,870.00

Original Funding Date 06/14/2018

Expiration Date 06/30/2023

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$382,870.00	\$0.00	\$382,870.00
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$382,870.00	\$0.00	\$382,870.00

CLD19A17

Katie Avenue Storm Drain - Local Drainage Improvements

Interlocal Amount \$767,277.50

Original Funding Date 07/13/2017

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$767,277.50	\$652,886.75	\$114,390.75
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$767,277.50	\$652,886.75	\$114,390.75

SEA03B17

Searchlight-South, Encinitas St. Storm Drain

Interlocal Amount \$2,530,000.00

Original Funding Date 08/10/2017

Expiration Date 06/30/2022

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,330,000.00	\$1,086,918.25	\$1,243,081.75
Const Engineering	\$200,000.00	\$18,575.95	\$181,424.05
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,530,000.00	\$1,105,494.20	\$1,424,505.80

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County Outlying

BUN01D11

Windmill Wash Detention Basin Expansion

Interlocal Amount \$880,000.00

Original Funding Date 02/10/2011

Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$41,000.00	\$39,928.04	\$1,071.96
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$656,000.00	\$620,496.24	\$35,503.76
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$179,000.00	\$176,298.63	\$2,701.37
Other	\$4,000.00	\$0.00	\$4,000.00
Total	\$880,000.00	\$836,722.91	\$43,277.09

GSP01B10

Goodsprings - Phase I

Interlocal Amount \$83,400.00

Original Funding Date 03/11/2010

Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$57,500.00	\$50,397.24	\$7,102.76
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$25,400.00	\$19,668.97	\$5,731.03
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$500.00	\$0.00	\$500.00
Other	\$0.00	\$0.00	\$0.00
Total	\$83,400.00	\$70,066.21	\$13,333.79

LAU04A08

SR 163 at Casino Drive

Interlocal Amount \$473,500.00

Original Funding Date 10/09/2008

Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$11,500.00	\$3,926.29	\$7,573.71
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$386,500.00	\$322,188.96	\$64,311.04
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$75,500.00	\$71,559.46	\$3,940.54
Other	\$0.00	\$0.00	\$0.00
Total	\$473,500.00	\$397,674.71	\$75,825.29

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

MOA01B89

Muddy River West Levee, Moapa Valley

Interlocal Amount \$13,501,000.00

Original Funding Date 05/11/1989

Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$10,811,200.00	\$10,810,530.39	\$669.61
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$2,448,000.00	\$1,826,342.42	\$621,657.58
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$132,500.00	\$130,581.84	\$1,918.16
Other	\$109,300.00	\$108,590.00	\$710.00
Total	\$13,501,000.00	\$12,876,044.65	\$624,955.35

MOA01F10

Muddy River Logandale Levee

Interlocal Amount \$1,753,000.00

Original Funding Date 03/11/2010

Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$566,500.00	\$565,975.14	\$524.86
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$970,000.00	\$958,949.92	\$11,050.08
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$83,500.00	\$76,115.20	\$7,384.80
Other	\$133,000.00	\$113,960.31	\$19,039.69
Total	\$1,753,000.00	\$1,715,000.57	\$37,999.43

MOA01H15

Muddy River Logandale Levee

Interlocal Amount \$8,500,000.00

Original Funding Date 01/08/2015

Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$7,900,000.00	\$7,825,914.65	\$74,085.35
Const Engineering	\$600,000.00	\$376,582.18	\$223,417.82
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$8,500,000.00	\$8,202,496.83	\$297,503.17

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

MOA03A11

Fairgrounds Detention Basin

Interlocal Amount \$964,000.00

Original Funding Date 02/10/2011

Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$74,500.00	\$23,485.05	\$51,014.95
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$700,000.00	\$489,010.45	\$210,989.55
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$172,500.00	\$146,365.41	\$26,134.59
Other	\$17,000.00	\$0.00	\$17,000.00
Total	\$964,000.00	\$658,860.91	\$305,139.09

SEA03A09

Searchlight - South, Encinitas St Storm Drain

Interlocal Amount \$138,000.00

Original Funding Date 08/13/2009

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$500.00	\$0.00	\$500.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$137,000.00	\$31,272.42	\$105,727.58
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$500.00	\$0.00	\$500.00
Other	\$0.00	\$0.00	\$0.00
Total	\$138,000.00	\$31,272.42	\$106,727.58

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: COE/Clark County

COEG294

Tropicana & Flamingo Washes

Interlocal Amount \$36,259,348.00

Original Funding Date 01/12/1995

Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$26,846,216.04	\$26,518,772.39	\$327,443.65
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$9,413,131.96	\$9,363,742.46	\$49,389.50
Total	\$36,259,348.00	\$35,882,514.85	\$376,833.15

ENTITY: Henderson

HEN05E09

Pittman, Horizon Ridge Detention Basin

Interlocal Amount \$792,285.00

Original Funding Date 12/10/2009

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$49,003.78	\$49,003.78	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$654,803.05	\$601,896.19	\$52,906.86
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$88,478.17	\$88,478.17	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$792,285.00	\$739,378.14	\$52,906.86

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

HEN06H09

Equestrian Detention Basin Expansion
Interlocal Amount \$346,797.00

Original Funding Date 08/13/2009
Expiration Date 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$29,013.00	\$29,013.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$285,236.00	\$273,267.65	\$11,968.35
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$12,818.00	\$12,818.00	\$0.00
Other	\$19,730.00	\$19,730.00	\$0.00
Total	\$346,797.00	\$334,828.65	\$11,968.35

HEN07F18

Whitney Ranch Channel Replacement Project
Interlocal Amount \$448,800.00

Original Funding Date 08/09/2018
Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$336,800.00	\$2,860.85	\$333,939.15
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$50,000.00	\$0.00	\$50,000.00
Other	\$62,000.00	\$0.00	\$62,000.00
Total	\$448,800.00	\$2,860.85	\$445,939.15

HEN16A01

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

Original Funding Date 07/12/2001
Expiration Date 12/31/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$108,800.68	\$108,800.68	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,592,369.22	\$1,526,136.39	\$66,232.83
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$401,827.10	\$400,224.90	\$1,602.20
Other	\$78,517.00	\$49,131.32	\$29,385.68
Total	\$2,181,514.00	\$2,084,293.29	\$97,220.71

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

HEN16F17

Pittman North Detention Basin & Outfall, Phase III
Interlocal Amount \$25,700,000.00

Original Funding Date 07/13/2017
Expiration Date 12/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$24,500,000.00	\$3,112,878.57	\$21,387,121.43
Const Engineering	\$1,200,000.00	\$161,854.39	\$1,038,145.61
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$25,700,000.00	\$3,274,732.96	\$22,425,267.04

HEN22A09

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

Original Funding Date 07/09/2009
Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$169,474.00	\$89,026.04	\$80,447.96
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$5,000.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$179,474.00	\$94,026.04	\$85,447.96

HEN23A09

Center Street Storm Drain
Interlocal Amount \$584,255.00

Original Funding Date 08/13/2009
Expiration Date 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$13,870.00	\$13,870.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$548,855.00	\$528,313.79	\$20,541.21
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$21,530.00	\$21,530.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$584,255.00	\$563,713.79	\$20,541.21

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

LAS14C11

Freeway Channel-Washington, MLK to Rancho Drive

Interlocal Amount \$1,073,510.00

Original Funding Date 07/14/2011

Expiration Date 12/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$5,000.00	\$1,792.87	\$3,207.13
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,063,510.00	\$1,011,325.07	\$52,184.93
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,073,510.00	\$1,013,117.94	\$60,392.06

LAS16O13

Rancho Rd System-Elkhorn, Fort Apache to Grand Canyon

Interlocal Amount \$2,358,400.00

Original Funding Date 12/12/2013

Expiration Date 01/01/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,174,100.00	\$2,028,395.77	\$145,704.23
Const Engineering	\$184,300.00	\$160,227.76	\$24,072.24
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,358,400.00	\$2,188,623.53	\$169,776.47

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

LAS16P15

Rancho Road System - Elkhorn, Grand Canyon to
Hualapai
Interlocal Amount \$654,000.00

Original Funding Date 07/09/2015

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$650,000.00	\$587,569.92	\$62,430.08
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$654,000.00	\$587,569.92	\$66,430.08

LAS16Q18

Rancho Road System-Elkhorn, Grand Canyon to
Hualapai
Interlocal Amount \$5,125,760.00

Original Funding Date 03/08/2018

Expiration Date 01/31/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$4,790,430.00	\$0.00	\$4,790,430.00
Const Engineering	\$335,330.00	\$815.90	\$334,514.10
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$5,125,760.00	\$815.90	\$5,124,944.10

LAS22S13

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

Original Funding Date 07/11/2013

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$1,000.00	\$0.00	\$1,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$530,365.00	\$435,783.71	\$94,581.29
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$533,365.00	\$435,783.71	\$97,581.29

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

LAS22T15

Brent Drainage System - Floyd Lamb Park to Durango Drive

Interlocal Amount \$4,900,700.00

Original Funding Date 08/13/2015

Expiration Date 12/31/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$4,600,000.00	\$4,316,960.10	\$283,039.90
Const Engineering	\$300,700.00	\$210,354.82	\$90,345.18
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$4,900,700.00	\$4,527,314.92	\$373,385.08

LAS23E13

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

Interlocal Amount \$1,070,687.00

Original Funding Date 07/11/2013

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$604.38	\$1,395.62
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,063,687.00	\$818,045.21	\$245,641.79
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,070,687.00	\$818,649.59	\$252,037.41

LAS23F14

Centennial Parkway Channel West-CC215, Pioneer Way to US95

Interlocal Amount \$13,900,000.00

Original Funding Date 11/13/2014

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$12,800,000.00	\$12,552,817.62	\$247,182.38
Const Engineering	\$1,100,000.00	\$57,065.13	\$1,042,934.87
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$13,900,000.00	\$12,609,882.75	\$1,290,117.25

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

LAS23G15

Centennial Parkway Channel West-US95, CC215 to Durango
Interlocal Amount \$1,261,471.00

Original Funding Date 07/09/2015

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$4,000.00	\$0.00	\$4,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,253,471.00	\$1,005,705.51	\$247,765.49
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$4,000.00	\$0.00	\$4,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,261,471.00	\$1,005,705.51	\$255,765.49

LAS23H15

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

Original Funding Date 07/09/2015

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$981,231.00	\$563,389.31	\$417,841.69
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$985,231.00	\$563,389.31	\$421,841.69

LAS23I17

Cent Pkwy Chnl West-US95, CC215 to Grand Teton, Kyle Cyn
Interlocal Amount \$26,425,221.00

Original Funding Date 03/09/2017

Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$23,825,221.00	\$11,618,144.98	\$12,207,076.02
Const Engineering	\$2,600,000.00	\$6,111.03	\$2,593,888.97
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$26,425,221.00	\$11,624,256.01	\$14,800,964.99

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

LAS24H13

Gowan North-Buffalo Branch,Lone Mtn to Washburn Rd

Interlocal Amount \$992,000.00

Original Funding Date 07/11/2013

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$30,000.00	\$6,219.61	\$23,780.39
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$960,000.00	\$931,936.45	\$28,063.55
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$992,000.00	\$938,156.06	\$53,843.94

LAS24I15

Gowan Box Canyon - Lone Mountain Road

Interlocal Amount \$704,000.00

Original Funding Date 07/09/2015

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$700,000.00	\$367,140.60	\$332,859.40
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$704,000.00	\$367,140.60	\$336,859.40

LAS24J15

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

Interlocal Amount \$785,478.00

Original Funding Date 07/09/2015

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$781,478.00	\$713,180.66	\$68,297.34
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$785,478.00	\$713,180.66	\$72,297.34

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

LAS24K17

Gowan North-Buffalo Branch, Lone Mtn to Washburn Rd

Interlocal Amount \$9,232,062.00

Original Funding Date 05/18/2017

Expiration Date 04/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$8,179,100.00	\$6,611,501.68	\$1,567,598.32
Const Engineering	\$1,052,962.00	\$460,431.60	\$592,530.40
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$9,232,062.00	\$7,071,933.28	\$2,160,128.72

LAS24L17

Gowan North-El Capitan Branch, Ann Rd to Centennial Pkwy

Interlocal Amount \$861,670.00

Original Funding Date 08/10/2017

Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$857,670.00	\$1,820.15	\$855,849.85
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$861,670.00	\$1,820.15	\$859,849.85

LAS24M17

Gowan North-El Capitan Branch, Lone Mtn to Ann Rd.

Interlocal Amount \$9,630,600.00

Original Funding Date 10/12/2017

Expiration Date 09/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$8,700,500.00	\$19,724.73	\$8,680,775.27
Const Engineering	\$930,100.00	\$39,334.33	\$890,765.67
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$9,630,600.00	\$59,059.06	\$9,571,540.94

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

LAS25B13

Cedar Avenue Channel Improvements
Interlocal Amount \$831,489.00

Original Funding Date 07/11/2013
Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$827,489.00	\$689,566.15	\$137,922.85
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$831,489.00	\$689,566.15	\$141,922.85

LAS28C12

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

Original Funding Date 06/14/2012
Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$110,000.00	\$85,682.50	\$24,317.50
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$110,000.00	\$85,682.50	\$24,317.50

LAS29B15

Flamingo-Boulder HWY N-Boulder HWY Sahara to Charleston
Interlocal Amount \$1,726,003.00

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

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$34,000.00	\$0.00	\$34,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,673,003.00	\$1,264,193.84	\$408,809.16
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$19,000.00	\$0.00	\$19,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,726,003.00	\$1,264,193.84	\$461,809.16

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

LAS29C16

Flamingo-Bldr Hwy, N Charleston-Maryland Pkwy System

Interlocal Amount \$2,488,829.00

Original Funding Date 09/08/2016

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$5,000.00	\$0.00	\$5,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$2,478,829.00	\$943,178.27	\$1,535,650.73
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,488,829.00	\$943,178.27	\$1,545,650.73

LAS29D17

Flamingo-Boulder Hwy North, Charleston, Main to Maryland

Interlocal Amount \$1,529,674.00

Original Funding Date 08/10/2017

Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,525,674.00	\$2,212.63	\$1,523,461.37
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,529,674.00	\$2,212.63	\$1,527,461.37

LAS29E18

Flamingo - Boulder Hwy North - Boulder Hwy, Sahara to Charleston

Interlocal Amount \$26,115,786.00

Original Funding Date 10/11/2018

Expiration Date 01/31/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$24,407,277.00	\$0.00	\$24,407,277.00
Const Engineering	\$1,708,509.00	\$0.00	\$1,708,509.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$26,115,786.00	\$0.00	\$26,115,786.00

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

LAS30A13

**Gowan-Alexander Rd., Rancho Drive to Decatur
Boulevard**

Interlocal Amount \$711,938.00

Original Funding Date 07/11/2013

Expiration Date 06/30/2019

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

LAS31A17

**LVW-Moccasin, Skye Canyon Park to Upper LVW
Interlocal Amount \$60,000.00**

Original Funding Date 12/14/2017

Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$60,000.00	\$78.78	\$59,921.22
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$60,000.00	\$78.78	\$59,921.22

LAS31B18

**LVW - Moccasin, Skye Canyon Park to Upper LVW
Interlocal Amount \$15,393,582.00**

Original Funding Date 11/08/2018

Expiration Date 01/31/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$14,386,525.00	\$0.00	\$14,386,525.00
Const Engineering	\$1,007,057.00	\$0.00	\$1,007,057.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$15,393,582.00	\$0.00	\$15,393,582.00

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

LLD10B13

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

Original Funding Date 07/11/2013
Expiration Date 12/30/2019

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

LLD19A18

Luning Drive Storm Drain
Interlocal Amount \$1,201,965.00

Original Funding Date 07/12/2018
Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$1,201,965.00	\$0.00	\$1,201,965.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,201,965.00	\$0.00	\$1,201,965.00

ENTITY: Mesquite

MES01E17

Town Wash-Mesa Boulevard, El Dorado to Town Wash
Interlocal Amount \$416,516.00

Original Funding Date 09/14/2017
Expiration Date 09/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$391,516.00	\$273,347.60	\$118,168.40
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$25,000.00	\$0.00	\$25,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$416,516.00	\$273,347.60	\$143,168.40

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

MES04A15

Virgin River Flood Wall

Interlocal Amount \$1,433,903.00

Original Funding Date 11/12/2015

Expiration Date 07/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$18,680.00	\$0.00	\$18,680.00
Pre-Design	\$208,278.00	\$207,278.00	\$1,000.00
Design	\$886,060.00	\$132,091.75	\$753,968.25
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$157,630.00	\$0.00	\$157,630.00
Other	\$163,255.00	\$0.00	\$163,255.00
Total	\$1,433,903.00	\$339,369.75	\$1,094,533.25

ENTITY: North Las Vegas

NLD14A15

Oak Island Drive Storm Drain

Interlocal Amount \$497,750.00

Original Funding Date 07/09/2015

Expiration Date 12/31/2020

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

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

NLV01H13

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

Original Funding Date 10/10/2013
Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$38,500.00	\$34,533.51	\$3,966.49
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$235,880.00	\$225,125.73	\$10,754.27
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$23,030.00	\$22,583.97	\$446.03
Other	\$20,580.00	\$19,830.00	\$750.00
Total	\$317,990.00	\$302,073.21	\$15,916.79

NLV03E13

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

Original Funding Date 10/10/2013
Expiration Date 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$1,116,972.00	\$54,521.52	\$1,062,450.48
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,580,000.00	\$1,547,859.67	\$32,140.33
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,706,972.00	\$1,602,381.19	\$1,104,590.81

NLV03F17

Range Wash - Ann Branch
Interlocal Amount \$1,081,889.00

Original Funding Date 03/09/2017
Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$250,000.00	\$16,680.92	\$233,319.08
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$821,889.00	\$339,476.18	\$482,412.82
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,081,889.00	\$356,157.10	\$725,731.90

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

NLV03G17

Hollywood System, Centennial Pkwy-Speedway #2 DB
Interlocal Amount \$1,586,850.00

Original Funding Date 03/09/2017
Expiration Date 06/30/2022

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$507,125.00	\$28,120.00	\$479,005.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,069,725.00	\$337,077.65	\$732,647.35
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,586,850.00	\$365,197.65	\$1,221,652.35

NLV03H17

Hollywood System, Dunes S DB to Centennial Pkwy-
Phase I
Interlocal Amount \$13,109,000.00

Original Funding Date 11/09/2017
Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$12,290,000.00	\$8,428.58	\$12,281,571.42
Const Engineering	\$819,000.00	\$22,037.90	\$796,962.10
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$13,109,000.00	\$30,466.48	\$13,078,533.52

NLV03I18

Range Wash - Ann Branch, Phase I
Interlocal Amount \$2,668,000.00

Original Funding Date 02/08/2018
Expiration Date 12/31/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,470,000.00	\$28,202.14	\$2,441,797.86
Const Engineering	\$198,000.00	\$7,342.95	\$190,657.05
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,668,000.00	\$35,545.09	\$2,632,454.91

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

NLV04K17

Gowan Outfall, Alexander Rd - Decatur to Simmons Street

Interlocal Amount \$1,931,156.00

Original Funding Date 02/09/2017

Expiration Date 06/30/2022

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,921,156.00	\$561,205.40	\$1,359,950.60
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,931,156.00	\$561,205.40	\$1,369,950.60

NLV09E11

Vandenberg North Detention Basin & Outfall

Interlocal Amount \$1,268,000.00

Original Funding Date 04/14/2011

Expiration Date 06/30/2022

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$44,673.77	\$39,596.43	\$5,077.34
Pre-Design	\$123,326.23	\$123,326.23	\$0.00
Design	\$1,095,000.00	\$810,285.95	\$284,714.05
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,268,000.00	\$973,208.61	\$294,791.39

NLV09I13

Beltway Detention Basin and Channel

Interlocal Amount \$1,334,000.00

Original Funding Date 10/10/2013

Expiration Date 06/30/2022

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$400,000.00	\$118,166.48	\$281,833.52
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$924,000.00	\$629,058.72	\$294,941.28
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$1,185.69	\$8,814.31
Other	\$0.00	\$0.00	\$0.00
Total	\$1,334,000.00	\$748,410.89	\$585,589.11

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

NLV17C16

Fifth Street Collector, Centennial Pkwy to Deer Springs Way

Interlocal Amount \$726,079.00

Original Funding Date 11/10/2016

Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$259,088.00	\$7,481.16	\$251,606.84
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$456,991.00	\$303,362.40	\$153,628.60
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$726,079.00	\$310,843.56	\$415,235.44

NLV17D18

Fifth St Collector, Centennial Pkwy to Deer Spgs Way

Interlocal Amount \$5,124,000.00

Original Funding Date 09/13/2018

Expiration Date 06/30/2022

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$4,658,000.00	\$0.00	\$4,658,000.00
Const Engineering	\$466,000.00	\$0.00	\$466,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$5,124,000.00	\$0.00	\$5,124,000.00

NLV18B07

Brooks Channel

Interlocal Amount \$595,749.00

Original Funding Date 09/13/2007

Expiration Date 06/30/2020

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$10,000.00	\$9,616.85	\$383.15
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$545,839.00	\$544,842.91	\$996.09
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$24,910.00	\$24,752.87	\$157.13
Other	\$15,000.00	\$8,250.00	\$6,750.00
Total	\$595,749.00	\$587,462.63	\$8,286.37

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

NLV18F13

Central Freeway Channel At Cheyenne

Interlocal Amount \$772,549.00

Original Funding Date 12/12/2013

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$5,000.00	\$270.36	\$4,729.64
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$767,549.00	\$691,762.23	\$75,786.77
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$772,549.00	\$692,032.59	\$80,516.41

NLV18H14

Brooks Channel

Interlocal Amount \$4,726,000.00

Original Funding Date 09/11/2014

Expiration Date 07/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$4,490,000.00	\$4,465,399.37	\$24,600.63
Const Engineering	\$236,000.00	\$224,571.56	\$11,428.44
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$4,726,000.00	\$4,689,970.93	\$36,029.07

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

NLV18I16

Central Freeway Channel at Cheyenne

Interlocal Amount \$11,300,000.00

Original Funding Date 12/08/2016

Expiration Date 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$10,690,000.00	\$9,289,670.05	\$1,400,329.95
Const Engineering	\$610,000.00	\$373,684.02	\$236,315.98
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$11,300,000.00	\$9,663,354.07	\$1,636,645.93

Pay-As-You-Go Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$42,718,142.27	\$39,635,176.49	\$3,082,965.78
Pre-Design	\$331,604.23	\$330,604.23	\$1,000.00
Design	\$49,808,757.27	\$34,026,840.21	\$15,781,917.06
Construction	\$185,116,422.50	\$66,369,402.38	\$118,747,020.12
Const Engineering	\$14,416,000.00	\$2,118,989.52	\$12,297,010.48
Environmental	\$2,580,123.27	\$1,830,233.13	\$749,890.14
Other	\$10,818,313.96	\$10,330,526.79	\$487,787.17
Total	\$305,789,363.50	\$154,641,772.75	\$151,147,590.75
Construction Projects = 24 Design / Other Projects = 55			

Current Project Expense Summary

BOND FUNDED PROJECTS

ENTITY: Clark County

CLA04W16

Flamingo Wash, Eastern Avenue

Interlocal Amount \$1,420,000.00

Original Funding Date 05/19/2016

Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$1,315,000.00	\$993,603.00	\$321,397.00
Const Engineering	\$105,000.00	\$0.00	\$105,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,420,000.00	\$993,603.00	\$426,397.00

CLA08T14

Duck Creek, Las Vegas Boulevard

Interlocal Amount \$7,400,000.00

Original Funding Date 09/11/2014

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$6,700,000.00	\$6,339,394.37	\$360,605.63
Const Engineering	\$700,000.00	\$638,828.35	\$61,171.65
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$7,400,000.00	\$6,978,222.72	\$421,777.28

CLA15E13

LVW-Sloan to Stewart-Flam Wash below Nellis

Interlocal Amount \$84,184,000.00

Original Funding Date 10/10/2013

Expiration Date 06/30/2023

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$73,952,000.00	\$71,935,126.87	\$2,016,873.13
Const Engineering	\$7,432,000.00	\$6,667,773.98	\$764,226.02
Environmental	\$0.00	\$0.00	\$0.00
Other	\$2,800,000.00	\$261,264.35	\$2,538,735.65
Total	\$84,184,000.00	\$78,864,165.20	\$5,319,834.80

Current Project Expense Summary

BOND FUNDED PROJECTS

CLA15F16

Las Vegas Wash - Water Reclamation Channel

Interlocal Amount \$3,400,000.00

Original Funding Date 05/19/2016

Expiration Date 06/30/2021

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

ENTITY: Clark County Outlying

LAU04B17

SR 163 at Casino Drive

Interlocal Amount \$2,000,000.00

Original Funding Date 07/13/2017

Expiration Date 06/30/2022

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$1,835,000.00	\$0.00	\$1,835,000.00
Const Engineering	\$165,000.00	\$0.00	\$165,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,000,000.00	\$0.00	\$2,000,000.00

Current Project Expense Summary

BOND FUNDED PROJECTS

ENTITY: Henderson

HEN05G16

Horizon Ridge Detention Basin

Interlocal Amount \$7,506,000.00

Original Funding Date 04/14/2016

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$6,950,000.00	\$4,681,909.00	\$2,268,091.00
Const Engineering	\$556,000.00	\$175,916.72	\$380,083.28
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$7,506,000.00	\$4,857,825.72	\$2,648,174.28

HEN23B16

Center Street Storm Drain

Interlocal Amount \$9,731,435.15

Original Funding Date 03/10/2016

Expiration Date 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$8,915,326.25	\$7,990,860.29	\$924,465.96
Const Engineering	\$816,108.90	\$207,882.49	\$608,226.41
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$9,731,435.15	\$8,198,742.78	\$1,532,692.37

HLD06A15

Appaloosa Storm Drain, Local Drainage Project

Interlocal Amount \$925,834.35

Original Funding Date 07/09/2015

Expiration Date 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$925,834.35	\$925,332.15	\$502.20
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$925,834.35	\$925,332.15	\$502.20

Current Project Expense Summary

BOND FUNDED PROJECTS

ENTITY: Las Vegas

LAS14D14

Freeway Channel-Washington, MLK to Rancho Drive

Original Funding Date 02/13/2014

Interlocal Amount \$11,405,343.00

Expiration Date 12/31/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$10,500,343.00	\$8,267,583.19	\$2,232,759.81
Const Engineering	\$905,000.00	\$898,582.50	\$6,417.50
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$11,405,343.00	\$9,166,165.69	\$2,239,177.31

Bond Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$114,493,503.60	\$104,533,808.87	\$9,959,694.73
Const Engineering	\$10,679,108.90	\$8,588,984.04	\$2,090,124.86
Environmental	\$0.00	\$0.00	\$0.00
Other	\$2,800,000.00	\$261,264.35	\$2,538,735.65
Total	\$127,972,612.50	\$113,384,057.26	\$14,588,555.24
Construction Projects = 9 Design / Other Projects = 0			

Capital Improvement Program - Open Projects Summary

Pay-As-You-Go And Bond Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$42,718,142.27	\$39,635,176.49	\$3,082,965.78
Pre-Design	\$331,604.23	\$330,604.23	\$1,000.00
Design	\$49,808,757.27	\$34,026,840.21	\$15,781,917.06
Construction	\$299,609,926.10	\$170,903,211.25	\$128,706,714.85
Const Engineering	\$25,095,108.90	\$10,707,973.56	\$14,387,135.34
Environmental	\$2,580,123.27	\$1,830,233.13	\$749,890.14
Other	\$13,618,313.96	\$10,591,791.14	\$3,026,522.82
Total	\$433,761,976.00	\$268,025,830.01	\$165,736,145.99
Construction Projects = 33 Design / Other Projects = 55			

Pay-As-You-Go Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$42,718,142.27	\$39,635,176.49	\$3,082,965.78
Pre-Design	\$331,604.23	\$330,604.23	\$1,000.00
Design	\$49,808,757.27	\$34,026,840.21	\$15,781,917.06
Construction	\$185,116,422.50	\$66,369,402.38	\$118,747,020.12
Const Engineering	\$14,416,000.00	\$2,118,989.52	\$12,297,010.48
Environmental	\$2,580,123.27	\$1,830,233.13	\$749,890.14
Other	\$10,818,313.96	\$10,330,526.79	\$487,787.17
Total	\$305,789,363.50	\$154,641,772.75	\$151,147,590.75
Construction Projects = 24 Design / Other Projects = 55			

Bond Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$114,493,503.60	\$104,533,808.87	\$9,959,694.73
Const Engineering	\$10,679,108.90	\$8,588,984.04	\$2,090,124.86
Environmental	\$0.00	\$0.00	\$0.00
Other	\$2,800,000.00	\$261,264.35	\$2,538,735.65
Total	\$127,972,612.50	\$113,384,057.26	\$14,588,555.24
Construction Projects = 9 Design / Other Projects = 0			

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

Boulder City

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
BOU01A87	Hemenway Wash	Closed	\$4,649,000.00
BOU01B88	Hemenway Wash Debris Basin	Closed	\$0.00
BOU01C10	Hemenway System, Phase II Improvements	Open	\$745,000.00
BOU01D17	Hemenway System, Phase IIA Improvements	Open	\$2,495,000.00
BOU02A88	Georgia Avenue Channel	Closed	\$613,590.23
BOU03A88	Buchanan Blvd. Channel	Closed	\$412,719.91
BOU03B98	Buchanan Watershed Facilities	Closed	\$420,240.41
BOU03C10	Buchanan Blvd., Phase III Improvements	Closed	\$344,263.01
BOU03D11	Buchanan Blvd., Phase III Improvements	Closed	\$0.00
BOU03E12	Buchanan Blvd., Phase III Improvements	Closed	\$4,689,402.24
BOU04A96	West Airport Watershed	Closed	\$128,138.69
BOU04B97	West Airport Watershed Construction	Closed	\$1,839,686.60
BOU04C01	Hemenway Wash	Closed	\$101,580.75
BOU05A98	North Railroad Watershed (Industrial Road Facility)	Closed	\$448,873.75
BOU05B00	North Railroad Watershed, Veteran Memorial Dr Culvert	Closed	\$129,206.79
BOU05G07	Yucca Street Drainage	Closed	\$71,036.09
BOU05H07	Bootleg Canyon Detention Basin Outfall	Closed	\$521,408.23
BOU05J10	North Railroad Conveyance	Open	\$530,000.00
BOU05K11	Bootleg Canyon Detention Basin, Phase II	Closed	\$829,854.43
BOU05L11	North Railroad Conveyance	Closed	\$3,503,502.20
BOU05M18	North Railroad Conveyance, Phase II	Open	\$2,843,962.00
BOU06A99	Ville Drive Flood Control Facilities	Closed	\$144,261.08
BOU06B01	Ville Drive Flood Control Facilities	Closed	\$747,314.67
			<u>\$26,208,041.08</u>

Clark County

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
CLA01A87	Upper Flamingo Wash Detention Basin & Outfall	Closed	\$6,932,932.63
CLA01B04	F4 Patrick Lane/Ft Apache Road Lateral	Closed	\$482,000.00
CLA01D07	Flamingo Hacienda	Closed	\$4,037,385.53
CLA02A88	Rawhide Channel	Closed	\$69,932.30
CLA02B90	Rawhide Channel/Eastern Av Drainage Structure	Closed	\$155,540.00
CLA02C90	Rawhide Channel/Eastern Outfall	Closed	\$115,000.00
CLA02D90	Rawhide Channel/Eastern-Topaz	Closed	\$1,069,252.07
CLA02E91	Rawhide Channel/McLeod-Mtn Vista	Closed	\$166,990.74
CLA02G99	Rawhide Channel at Sagebrush Street	Closed	\$441,753.51
CLA03A88	Van Buskirk Channel - Predesign	Closed	\$118,463.30
CLA03B90	Van Buskirk Channel Outfall	Closed	\$3,332,227.08
CLA03C90	Van Buskirk Channel - ROW	Closed	(\$202,889.63)
CLA03D91	Van Buskirk System/Spencer-Rochelle	Closed	\$808,963.97
CLA03H93	Van Buskirk Channel / Phases IIA & VI Construction	Closed	\$6,112,843.32
CLA04A89	Flamingo Wash Bridge @ Eastern	Closed	\$61,900.00
CLA04B89	Flamingo Wash Bridge @ Arville	Closed	\$294,818.61
CLA04C90	Flamingo Wash Bridge @ Paradise & Palos Verde	Closed	\$1,711,276.60
CLA04D93	Flamingo Wash - Winnick Ave. Improvements	Closed	\$2,739,120.64

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
CLA04E99	Flamingo Wash, McLeod Dr to Maryland PKWY	Open	\$2,980,000.00
CLA04F99	Flamingo Wash, I-515 to McLeod Dr	Closed	\$1,252,537.43
CLA04G00	Flamingo Wash at Boulder Highway	Closed	\$860,102.20
CLA04H00	Flamingo Wash, Boulder Highway to Mojave Rd	Closed	\$6,284,809.40
CLA04I01	Flamingo Wash, Spencer Street Bridge & Approach Channel	Closed	\$2,436,743.83
CLA04M06	Flamingo - Boulder HWY N, Sahara Ave to Flamingo Wash	Closed	\$1,027,029.82
CLA04Q08	Flamingo Wash, Nellis Blvd to I-515	Closed	\$995,990.90
CLA04R08	Flamingo Wash, Desert Inn to Eastern Avenue	Closed	\$7,869,248.66
CLA04U10	Flamingo-Boulder Highway North, Sahara Ave to Flamingo Wash	Closed	\$10,933,404.28
CLA04V10	Flamingo Wash, Nellis Boulevard to I-515	Closed	\$11,132,175.16
CLA05A91	Duck Creek Bridges @ Tomiyasu & La Casita	Closed	\$814,243.47
CLA06A91	Range Wash Confluence Detention Basin Facilities	Closed	\$479,952.25
CLA07A92	Sloan Channel (Las Vegas Wash to Owens)	Closed	\$4,820,788.11
CLA07B01	Sloan Channel, Las Vegas Wash to Charleston	Closed	\$340,747.81
CLA08A92	Lower Duck Creek Detention Basin Predesign	Closed	\$807,918.53
CLA08B93	Lower Duck Creek DB ROW	Closed	\$5,921,794.42
CLA08C98	Lower Duck Creek Detention Basin & Outfall Channel	Closed	(\$1,828.26)
CLA08D01	Duck Creek, Lower Detention Basin to I-15	Closed	\$9,691,844.67
CLA08F03	Duck Creek, Lower Detention Basin to Silverado Ranch Blvd	Closed	\$3,717,281.04
CLA08H05	Duck Creek, Railroad Detention Basin	Closed	\$673,683.44
CLA08K07	Duck Creek Channel, Silverado Ranch Blvd to Las Vegas Blvd	Closed	\$8,698,135.53
CLA08M08	Duck Creek, Railroad Detention Basin	Closed	\$13,302,732.94
CLA08Q13	Duck Creek at Dean Martin	Open	\$480,000.00
CLA08R13	Duck Creek, Las Vegas Boulevard	Open	\$485,000.00
CLA08S13	Silverado Ranch Detention Basin and Outfall Facilities	Open	\$1,370,000.00
CLA08W16	Duck Creek at Dean Martin	Open	\$3,787,357.00
CLA09A97	Durango Collector (Hacienda to Twain)	Closed	\$366,253.18
CLA09B99	Durango Collector (Twain to Hacienda)	Closed	\$100,005.00
CLA09C06	Durango Collector (Twain to Hacienda)	Closed	\$1,126.53
CLA10A97	Tropicana Wash (Paradise Road to Koval Lane)	Closed	\$228,665.56
CLA10D07	Tropicana Wash at Swenson Street	Closed	\$1,253,646.20
CLA10F10	Flamingo Wash, Industrial Road to Hotel Rio Drive	Open	\$46,000.00
CLA10G12	Tropicana Wash at Swenson Street	Closed	\$7,081,755.52
CLA10H13	Airport Channel - Naples	Open	\$1,150,000.00
CLA12A97	Desert Inn Detention Basin & Collection System	Closed	\$346,843.68
CLA12B98	Desert Inn Detention Basin & Collection System/DI Lateral	Closed	\$43,197.00
CLA12C99	Desert Inn Detention Basin & Collection System	Closed	\$689.01

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
CLA13A97	Lakes Detention Basin, Collection System, & Outfall	Closed	\$531,803.87
CLA13B98	Lakes Detention Basin Collection System & Outfall	Closed	\$788,631.74
CLA13C98	Lakes DB Collection System	Closed	\$783,619.03
CLA14A97	Duck Creek (Hollywood to Stephanie Street)	Closed	\$138,962.97
CLA14B99	Duck Creek Channel (Hollywood Blvd to Stephaine St)--ROWA	Closed	\$375,552.00
CLA14C99	Duck Creek, Sunset Road to Eastern Ave	Closed	\$560,650.99
CLA14D99	Duck Creek, Hollywood Blvd to Stephanie Street	Closed	\$1,651,449.79
CLA14E99	Duck Creek, Stephanie St to Green Valley PKWY	Closed	\$321,054.87
CLA14F00	Duck Creek, Emerald Avenue to Stephanie St	Closed	\$5,987,176.80
CLA14G00	Duck Creek at Robindale Road	Closed	\$1,066,974.02
CLA14H00	Duck Creek, Tomiyasu Lane to Topaz St	Closed	\$3,548,160.77
CLA14I02	Duck Creek, US 95 Branch	Closed	\$1,107,637.45
CLA14L02	Duck Creek, Phase II and Lower Pittman	Closed	\$13,651,024.74
CLA14R04	Duck Creek, Mountain Vista Street to Green Valley PKWY	Closed	\$707,824.31
CLA14S07	Duck Creek, Eldorado Lane to Spencer Street	Closed	\$6,139,169.42
CLA14U09	Duck Creek, Robindale to I-215	Closed	\$23,516.83
CLA14V10	Duck Creek, Mtn. Vista to Green Valley Parkway	Closed	\$8,976,052.51
CLA15B99	Colorado Avenue Storm Drain System	Closed	(\$41,517.92)
CLA15C09	Las Vegas Wash, Sloan Lane to Stewart Ave	Closed	\$193,555.23
CLA15D12	LWV Sloan-Bonanza, Flam W below Nellis	Open	\$6,122,000.00
CLA16A98	Upr Duck Ck, Ctrl Duck Ck, Lwr Blue Diamond & Bird Sp/ROW	Closed	\$2,226,784.41
CLA16B00	Upr Duck, Ctrl Duck, Lower Blue Dia, & Bird Springs DB	Closed	\$1,363,624.69
CLA16F04	Lower Blue Diamond Detention Basin Collector Channel	Closed	\$8,060,995.11
CLA16G05	Blue Diamond Wash Wigwam, UPRR to Jones Boulevard	Closed	\$535,000.00
CLA16H06	Blue Dia Wash S Rainbow, Pebble - Raven & Wigwam - Ford	Closed	\$2,444,155.20
CLA16I07	Lower Blue Diamond Detention Basin Outfall	Closed	\$1,694,368.59
CLA16J07	Blue Diamond Wash Wigwam, Jones Blvd to Rainbow	Closed	\$357,603.89
CLA16K07	Upper Duck Creek Detention Basin	Closed	\$3,000,000.00
CLA17E04	Blue Diamond Channel, Rainbow Branch	Closed	\$1,495,409.16
CLA19A99	Red Rock Channel, Naples Branch	Closed	\$1,333,173.93
CLA19C02	Red Rock Channel, Naples Branch - Flamingo Connector	Closed	\$674,561.31
CLA20A99	Washington Collection System	Closed	\$69,701.68
CLA20B00	Washington Collection System	Closed	\$680,964.62
CLA21A00	Orchard Detention Basin	Open	\$1,799,700.00
CLA21B12	Orchard Detention Basin	Closed	\$4,929,886.35
CLA22A00	Flamingo Diversion - Jones Branch	Closed	\$100,001.71
CLA22B03	Flamingo Diversion - Jones Branch	Closed	\$1,100,000.00
CLA26C08	Flam Div - South Buffalo Branch, Flamingo Wash to Patrick Lane	Closed	\$776,336.79

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
CLA27C08	Flamingo Diversion - Rainbow Branch	Open	\$1,030,000.00
CLA35A11	Tropicana Avenue Conveyance, LVW to Mtn. Vista	Closed	\$249,789.19
CLA36A18	Owens Detention Basin, Collection & Outfall	Open	\$382,870.00
CLD02A11	Annie Oakley Drive at Rawhide Channel Storm Drain	Closed	\$84,203.00
CLD04A08	Twain at Pecos-McLeod Storm Drain	Closed	\$442,521.57
CLD07A07	Sunrise Area Storm Drain	Closed	\$914,982.31
CLD07B08	Carey Avenue Storm Drain	Closed	\$1,351,525.62
CLD07C10	Sunrise Ave. Storm Drain, Fogg St. to Clayton St.	Closed	\$154,935.40
CLD07D12	Toiyabe Street Storm Drain	Closed	\$0.00
CLD14A10	Tunis Ave and Karvel Street Storm Drain	Closed	\$189,391.53
CLD15A09	Olive Street Storm Drain, US-95 to Palm Street	Closed	\$800,286.13
CLD17A09	Las Vegas Blvd/Serene Ave Storm Drain	Closed	\$133,338.79
CLD19A17	Katie Avenue Storm Drain - Local Drainage Improvements	Open	\$767,277.50
CLD20A12	Washington/Hollywood Storm Drain	Closed	\$259,862.20
CLD98A06	Hickam Avenue Storm Drain	Closed	\$465,091.07
CLD99A05	Red Coach Ave/Cimarron Rd Improvements	Closed	\$388,200.00
SEA03B17	Searchlight-South, Encinitas St. Storm Drain	Open	\$2,530,000.00
			\$235,637,226.15

Clark County Outlying

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
BUN01A90	Bunkerville Channel (aka Windmill Channel)	Closed	\$817,795.45
BUN01B98	Bunkerville Flood Control Improvements	Closed	\$5,734,536.80
BUN01C05	Windmill Wash Outfall	Closed	\$2,839,135.00
BUN01D11	Windmill Wash Detention Basin Expansion	Open	\$880,000.00
GSP01A88	Goodsprings Flood Control Improvements	Closed	\$72,275.84
GSP01B10	Goodsprings - Phase I	Open	\$83,400.00
IND01A98	Indian Springs Flood Control Improvements	Closed	\$579,193.24
LAU01A89	Unnamed Wash, Laughlin	Closed	\$349,995.99
LAU02A89	Hiko Springs, Laughlin	Closed	\$369,974.40
LAU02B92	Hiko Springs, Laughlin, Remap	Closed	\$8,000.00
LAU03A96	Hiko Springs Outfall Channel	Closed	\$7,771,291.25
LAU04A08	SR 163 at Casino Drive	Open	\$473,500.00
MOA01A89	Cooper Ave. Crossing - Moapa Valley	Closed	\$185,000.00
MOA01B89	Muddy River West Levee, Moapa Valley	Open	\$13,501,000.00
MOA01C06	Muddy River, Gubler Avenue Bridge	Closed	\$745,638.67
MOA01D07	Muddy River, Gubler Avenue Bridge	Closed	\$5,319,472.98
MOA01E08	Muddy River & Trib - Cooper Ave to Yamashita St	Closed	\$966,120.32
MOA01F10	Muddy River Logandale Levee	Open	\$1,753,000.00
MOA01G11	Muddy River, Cooper Street Bridge	Closed	\$15,793,908.74
MOA01H15	Muddy River Logandale Levee	Open	\$8,500,000.00
MOA02A89	Logan Wash (aka Benson), Moapa Valley	Closed	\$235,040.74
MOA02B92	Logan Wash Construction	Closed	\$3,510,528.60
MOA03A11	Fairgrounds Detention Basin	Open	\$964,000.00
NEL01A88	Nelson Flood Control Improvements	Closed	\$2,961.95
SEA01A88	Searchlight Flood Control Improvements	Closed	\$861,099.97
SEA01B99	Searchlight Flood Control Improvements	Closed	\$5,500.00

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
SEA02A07	Searchlight - West, US-95	Closed	\$162,000.00
SEA03A09	Searchlight - South, Encinitas St Storm Drain	Open	\$138,000.00
			<hr/>
			\$72,622,369.94

COE/Clark County

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

Henderson

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
HEN01A87	Pittman Wash Channel Design (Phases I, II, III)	Closed	\$533,554.14
HEN01B87	Warm Springs & Stephanie Street Bridges	Closed	\$1,660,108.81
HEN01C90	Pittman Wash Channel - Phase I Construction	Closed	\$2,744,110.10
HEN01F00	Pittman Wash Lower Reach	Closed	\$324,343.79
HEN01H09	Pittman Wash, Duck Creek at I-515	Closed	\$349,813.57
HEN01I14	Pittman Wash, Duck Creek at I-515	Closed	\$2,295,044.97
HEN02A89	Green Valley Parkway Bridge	Closed	\$1,128,513.78
HEN03A91	UPRR Channel	Closed	\$117,073.57
HEN04A91	C-1 Predesign / Mission Hills Design	Closed	\$1,009,074.06
HEN04B93	C-1 Channel / Lake Mead Dr. to Burkholder Design	Closed	\$173,333.98
HEN04E96	Mission Hills Western Interceptor Diversion	Closed	\$2,636,599.02
HEN04F97	Black Mountain Detention Basin	Closed	\$275,048.92
HEN04I98	C-1 Channel (Culvert) at Lake Mead	Closed	\$907,210.00
HEN04K99	Upper and Middle Reaches of the C-1 Channel	Closed	\$521,871.29
HEN04O09	C-1, Four Kids Wash - Lake Mead to Eagle Rock	Closed	\$22,905.46
HEN04P09	Racetrack Channel, Drake to Burkholder	Closed	\$76,414.93
HEN04Q15	Racetrack Channel, Drake to Burkholder	Closed	\$833,948.46
HEN05A92	Sunset D B, Collection Sys, & Outfall (Pioneer DB)	Closed	\$3,749,294.23
HEN05C01	Pioneer Detention Basin	Closed	\$4,323,566.57
HEN05D09	Pioneer Detention Basin Expansion and Inflow	Closed	\$325,840.81
HEN05E09	Pittman, Horizon Ridge Detention Basin	Open	\$792,285.00
HEN06A93	Equestrian Drive Detention Basin	Closed	\$388,624.49
HEN06B95	Equestrian Detention Basin	Closed	\$6,128,895.08
HEN06C02	Equestrian Detention Basin Outfall	Closed	\$681,288.27
HEN06D05	C-1 Equestrian Tributary	Closed	\$227,591.57
HEN06F08	C-1 Equestrian Tributary	Closed	\$2,711,795.15
HEN06G08	Equestrian Detention Basin Outfall - Heritage Channel	Closed	\$4,200,444.03
HEN06H09	Equestrian Detention Basin Expansion	Open	\$346,797.00
HEN06IO9	Equestrian Tributary Phase II	Closed	\$405,636.14
HEN07A96	Pittman Park Detention Basin	Closed	\$1,546,249.59
HEN07B09	Pittman Wash, UPRR to Santiago	Closed	\$843,016.21
HEN07D09	Whitney Wash Channel	Closed	\$130,264.67
HEN07E11	Pittman Wash, UPRR to Santiago	Closed	\$8,796,470.83
HEN07F18	Whitney Ranch Channel Replacement Project	Open	\$448,800.00

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
HEN08A96	Railroad East Detention Basin	Closed	\$6,416,341.47
HEN08B08	Pittman Railroad East Conveyance	Closed	\$444,380.89
HEN08C08	Pittman Railroad East Conveyance	Closed	\$8,518,517.91
HEN09A99	Pittman East Detention Basin (collapse with HEN09A97)	Closed	\$119,918.19
HEN09B00	Pittman Eastern Detention Basin	Closed	\$6,099,436.41
HEN09D09	Pittman Seven Hills Park Channel	Closed	\$0.00
HEN10B99	South Pittman Detention Basin	Closed	\$3,202,101.72
HEN12A99	Gibson Channel at Sunset Road	Closed	\$40,125.00
HEN12B01	Gibson Channel Culvert at Sunset Road	Closed	\$364,211.76
HEN12C02	Gibson Conveyance System	Closed	\$237,718.78
HEN12F05	Pittman Gibson, Warm Springs Road to Kelso Dunes Avenue	Closed	\$10,000.00
HEN12GO6	Pittman Wash - Burns	Closed	\$4,251,084.08
HEN12H09	Pittman Burns, Sunset to Galleria	Closed	\$770,231.86
HEN12IO9	Pittman, West Horizon - Palm Hills	Closed	\$249,028.80
HEN13A00	Boulder Highway Channel	Closed	\$360,070.00
HEN14A00	Pittman Pecos West Conveyance & Eastern Ave Tributary	Closed	\$2,355,800.39
HEN14B06	Pittman Pecos West Conveyance & Eastern Ave Tributary	Closed	\$6,787,948.72
HEN15A00	Pittman Wash Railroad Channel	Closed	\$568,801.51
HEN16A01	Pittman North Detention Basin & Outfall	Open	\$2,181,514.00
HEN16D15	Pittman North Detention Basin and Outfall, Phase I	Closed	\$3,458,916.31
HEN16E15	Pittman North DB & Outfall, Phase II - Starr Avenue	Closed	\$1,865,136.31
HEN16F17	Pittman North Detention Basin & Outfall, Phase III	Open	\$25,700,000.00
HEN19B06	Northeast Detention Basin Outfall	Closed	\$337,852.88
HEN19C07	Northeast Detention Basin, Levee and Outfall	Closed	\$13,366,601.89
HEN21A05	Pittman Railroad, MacDonald Ranch Channel	Closed	\$253,025.49
HEN21B08	Pittman Railroad, MacDonald Ranch Channel	Closed	\$2,025,749.22
HEN22A09	Anthem Pkwy Channel, Horizon Ridge to Sienna Heights	Open	\$179,474.00
HEN23A09	Center Street Storm Drain	Open	\$584,255.00
HEN24A11	Duck Creek, Sunset to Sandhill	Closed	\$535,983.84
HEN24B13	Duck Creek, Sunset to Sandhill	Closed	\$3,475,829.83
HLD15A06	Blackridge Road Storm Drain System	Closed	\$529,071.04
			\$146,944,955.79

Las Vegas

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

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
LAS03B89	Gowan Detention Basin & Outfall	Closed	\$4,813,519.80
LAS03D98	Gowan South Detention Basin Expansion	Closed	\$126,398.42
LAS03E00	Gowan South DB Expansion	Closed	\$2,609,639.23
LAS04A87	Oakey Boulevard System	Closed	\$111,106.72
LAS04B90	Oakey BI System	Closed	\$631,418.63
LAS04C91	Oakey BI System/Decatur BI Crossing	Closed	\$35,000.00
LAS04E94	Oakey Conveyance Phase II	Closed	\$1,083,848.86
LAS05A87	Meadows Detention Basin	Closed	\$120,000.00
LAS05B87	Meadows Detention Basin	Closed	\$3,432,123.00
LAS05C00	Meadows Detention Basin Expansion (Resol 00-2)	Closed	\$150,000.00
LAS05D01	Meadows Detention Basin Expansion (Resol 01-3)	Closed	\$3,422,258.00
LAS05H08	Alta Parallel System	Closed	\$8,165,350.58
LAS05I08	Oakey-Meadows Storm Drain, Phase I	Closed	\$12,686,286.59
LAS05J10	Oakey Meadows Storm Drain-Phase II	Closed	\$9,822,984.14
LAS06A87	Major Conveyance System West of I-15	Closed	\$229,005.59
LAS06B87	Major Conveyance System East of I-15	Closed	\$29,022.50
LAS06C93	Freeway Channel/Sahara - Ivanhoe	Closed	\$670,067.29
LAS07A89	Durango Storm Drain	Closed	\$596,059.22
LAS08A89	Carey Ave./Lake Mead Detention & Conveyance System	Closed	\$6,148,651.98
LAS09A89	Washington Ave. System	Closed	\$313,726.91
LAS09B91	Washington Ave. System/Sandhill-Bruce	Closed	\$497,000.00
LAS09D92	Washington Ave./Sandhill-Virgil	Closed	\$1,594,925.69
LAS09F93	Washington/Sagman-LV Creek Right-of-Way	Closed	\$245,428.78
LAS09G94	Washington Ave. / Lena-Eastern (LOMR)	Closed	\$4,643,824.92
LAS09H94	Upper Washington Channel & Freeway Channel	Closed	\$1,206,684.74
LAS09I96	Washington/Eastern-Sagman	Closed	\$3,078,027.28
LAS09J97	Freeway Channel System - Alta Drive to UPRR	Closed	\$13,839,202.95
LAS09K97	Upper Washington Avenue - Sagman to Bonanza	Closed	\$4,421,963.25
LAS09L98	Freeway Channel - Alta Dr to Sahara Avenue	Closed	\$2,778,531.48
LAS09M98	Freeway Channel North/ Washington Avenue - Vegas Drive	Closed	\$257,916.45
LAS09O99	Freeway Channel - Alta Dr to Sahara Ave & Bypass Facility	Closed	(\$5,613.65)
LAS09P00	Freeway Channel - Alta to Sahara & Bypass Facilities (CM)	Closed	\$2,280,263.22
LAS09R01	Las Vegas Creek Channel - Parallel System at Decatur Blvd (Resol 01-4)	Closed	\$247,000.00
LAS09U05	Las Vegas Creek Channel - Parallel System	Closed	\$5,628,281.00
LAS09V05	Oakey Drain, Birch Street to Cahlan Drive	Closed	\$851,548.86
LAS09W08	Oakey Drain, Birch Street to Cahlan Drive	Closed	\$6,500,607.90
LAS09Y09	Oakey Drain - Cahlan Dr to Barnard Dr	Closed	\$370,483.19
LAS10A91	Gowan North Channel	Closed	\$110,000.00
LAS10B93	CAM-10 & Lone Mtn. Detention Basins Predesign	Closed	\$212,800.00
LAS10C94	Lone Mtn. Detention Basin	Closed	\$905,972.72
LAS10D95	Gowan North Channel - Gowan North Detention Basin	Closed	\$904,292.71

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
LAS10E97	Gowan North Channel - Gowan Detention Basin to Buffalo	Closed	\$3,150,210.59
LAS10F97	Gowan Outfall Lone Mtn Branch - Ferrell St to Kenny Way	Closed	\$111,327.87
LAS10H98	Gowan North Buffalo Branch (Chnl) - Atwood to Lone Mtn Rd	Closed	\$285,859.78
LAS10J98	Gowan North Chnl-Alexander Dr to Lone Mtn Rd & LM Outfall	Closed	\$651,405.16
LAS10K99	CAM 10 Detention Basin (aka Ann Road DB)	Closed	\$682,577.04
LAS10L99	Gowan North-Buffalo Branch	Closed	\$162,106.81
LAS10M00	Gowan North - Buffalo Branch (Gowan Road & Buckskin Ave)	Closed	\$608,179.39
LAS10N00	Gowan Outfall, Lone Mountain Branch (Allen Lane-Ferrell)	Closed	\$1,545,053.54
LAS10P00	Gowan/Lone Mountain System - Gilmore Channel (CM)	Closed	\$8,492.19
LAS10Q01	Gowan/Lone Mountain System - Gilmore Channel (Developer Participation)	Closed	\$1,383,723.00
LAS10R00	Gowan North - Buffalo Branch (Cheyenne Avenue to Lone Mtn Road)	Closed	\$2,462,085.23
LAS10Y05	Gowan Lone Mountain System - Cliff Shadows Park	Closed	\$1,549,850.67
LAS11A92	Rampart Storm Drain (Angel Park-Peccole 1)	Closed	\$44,809.03
LAS11B93	Rampart Storm Drain Construction	Closed	\$185,842.34
LAS12A92	Alta Storm Drain (Meadows V)	Closed	\$851,465.76
LAS13A92	Cheyenne Channel / Buffalo - Gowan Design	Closed	\$86,475.85
LAS13B94	Cheyenne Channel Crossings Developer Participation	Closed	\$709,000.00
LAS13C93	Cheyenne Channel / Buffalo - Gowan	Closed	\$1,107,787.47
LAS14A95	Washington Avenue - I-15 to Martin Luther King	Closed	\$74,429.00
LAS14B00	Washington Avenue & Freeway Channel North	Closed	\$4,887,278.94
LAS14C11	Freeway Channel-Washington, MLK to Rancho Drive	Open	\$1,073,510.00
LAS15A95	Oakey Storm Drain - I-15 to Decatur Blvd	Closed	\$391,238.42
LAS16A98	Ann Road Channel West/ Allen Lane - Rancho Drive	Closed	\$657,583.31
LAS16B99	Rancho Road System/Centennial PKWY to Rancho DB	Closed	\$1,198,151.00
LAS16C99	Rancho Road System/Centennial PKWY to Rancho DB	Closed	\$17,697.53
LAS16G07	Rancho Detention Basin, Phase II	Closed	\$3,953,168.82
LAS16H07	Rancho Drive System - El Campo Grande Storm Drain	Closed	\$4,634,244.76
LAS16I09	Ann Rd Channel West - Rainbow Blvd	Closed	\$475,475.33
LAS16J09	Rancho System - Beltway to Elkhorn	Closed	\$927,245.27
LAS16L11	Rancho Road System - Elkhorn, Ft Apache to Grand Canyon	Closed	\$394,023.05
LAS16M12	Ann Road Channel West - Rainbow Boulevard	Closed	\$3,474,459.19
LAS16N13	Rancho System - Beltway to Elkhorn Road	Closed	\$8,681,088.21
LAS16O13	Rancho Rd System-Elkhorn, Fort Apache to Grand Canyon	Open	\$2,358,400.00
LAS16P15	Rancho Road System - Elkhorn, Grand Canyon to Hualapai	Open	\$654,000.00

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
LAS16Q18	Rancho Road System-Elkhorn, Grand Canyon to Hualapai	Open	\$5,125,760.00
LAS17A98	Las Vegas Wash/ Rancho Drive System (Peak Dr - Lake Mead)	Closed	\$419,095.42
LAS17D02	Las Vegas Wash - Rancho Drive System (Carey/Lake Mead DB to Peak Dr)	Closed	\$6,273,291.56
LAS17F07	Peak Drive System (Jones Blvd to Michael Way)	Closed	\$4,501,941.03
LAS18A98	Las Vegas Wsh/Smoke Ranch Sys: Peak Dr/Torrey Pines-Jones	Closed	\$147,617.92
LAS18B00	Las Vegas Wash - Smoke Ranch System (Peak Drive: Torrey Pines - Jones)	Closed	\$1,782,103.78
LAS19A99	Owens Avenue System: Rancho Drive to I-15	Closed	\$292,162.08
LAS19B01	Owens Avenue System (Rancho Drive to I-15)	Closed	\$4,430,278.94
LAS19D11	Vegas Dr Storm Drain - Rancho to Shadow Mountain	Closed	\$10,997,022.53
LAS20A00	Rancho Rd System: Durango to US-95 Interchange	Closed	\$448,364.70
LAS22B05	Las Vegas Wash - Jones Blvd, Elkhorn Rd to Farm Rd	Closed	\$92,244.72
LAS22C06	Las Vegas Wash - Elkhorn (Rainbow Blvd to Torrey Pines Drive)	Closed	\$274,272.89
LAS22D06	N & S Environ Enhancement Areas - Floyd Lamb Park	Closed	\$2,252,837.16
LAS22E06	Las Vegas Wash - Decatur Blvd (Centennial PKWY to Farm Road)	Closed	\$2,454,915.36
LAS22F07	Las Vegas Wash - Rainbow (Elkhorn Road to Grand Teton Drive)	Closed	\$951,355.17
LAS22G07	Elkhorn Springs and Buffalo Storm Drain	Closed	\$280,782.51
LAS22H07	Las Vegas Wash - Elkhorn Rd, Rainbow Blvd to Torrey Pines Dr	Closed	\$6,561,592.06
LAS22I08	Las Vegas Wash - Decatur Blvd (Elkhorn Rd to Farm Rd)	Closed	\$2,950,783.84
LAS22J08	Las Vegas Wash - Jones Blvd, Elkhorn to Farm	Closed	\$1,683,390.48
LAS22K08	LVW - Grand Teton, Mountain Spa to Durango Drive	Closed	\$850,522.21
LAS22L08	LVW - Grand Teton, Buffalo Drive to Durango Drive	Closed	\$172,513.02
LAS22R12	LVW-Grand Teton, Mountain Spa to Durango Drive	Closed	\$12,250,368.51
LAS22S13	Brent Drainage System-Floyd Lamb Park to Durango Drive	Open	\$533,365.00
LAS22T15	Brent Drainage System - Floyd Lamb Park to Durango Drive	Open	\$4,900,700.00
LAS23C08	Horse Drive Interchange	Closed	\$5,392,419.91
LAS23D13	Centennial Parkway Channel West - US95 Crossing	Closed	\$1,411,812.73
LAS23E13	Centennial Pkwy Channel West-CC 215, Pioneer Way to US95	Open	\$1,070,687.00
LAS23F14	Centennial Parkway Channel West-CC215, Pioneer Way to US95	Open	\$13,900,000.00
LAS23G15	Centennial Parkway Channel West-US95, CC215 to Durango	Open	\$1,261,471.00
LAS23H15	Centennial Parkway Channel West-US95, Durango to Grand Teton	Open	\$985,231.00

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
LAS23I17	Cent Pkwy Chnl West-US95, CC215 to Grand Teton, Kyle Cyn	Open	\$26,425,221.00
LAS24B06	Gowan North Channel - El Capitan Way to the Western Beltway	Closed	\$7,636,880.18
LAS24D06	Gowan Lone Mountain System - Branch 4	Closed	\$2,824,592.10
LAS24E07	Gowan Outfall - Lone Mountain Branch (Rancho Drive to Decatur Boulevard)	Closed	\$1,595,874.26
LAS24H13	Gowan North-Buffalo Branch,Lone Mtn to Washburn Rd	Open	\$992,000.00
LAS24I15	Gowan Box Canyon - Lone Mountain Road	Open	\$704,000.00
LAS24J15	Gowan North - El Capitan Branch, Lone Mountain to Ann Road	Open	\$785,478.00
LAS24K17	Gowan North-Buffalo Branch, Lone Mtn to Washburn Rd	Open	\$9,232,062.00
LAS24L17	Gowan North-El Capitan Branch, Ann Rd to Centennial Pkwy	Open	\$861,670.00
LAS24M17	Gowan North-El Capitan Branch, Lone Mtn to Ann Rd.	Open	\$9,630,600.00
LAS25B13	Cedar Avenue Channel Improvements	Open	\$831,489.00
LAS26A07	Grand Teton Overpass - Storm Drain	Closed	\$612,614.83
LAS26B08	Grand Teton Overpass - Storm Drain	Closed	\$1,936,755.45
LAS26C13	Grand Teton - Hualapai to Tee Pee	Closed	\$401,560.15
LAS27A09	Boulder HWY Sahara Ave - Mojave Rd to Boulder HWY	Closed	\$411,967.68
LAS28B11	Oakey Drain - Cahlan to Barnard	Closed	\$5,372,969.90
LAS28C12	Las Vegas Wash - Sloan Channel to Cedar Avenue	Open	\$110,000.00
LAS29A10	Flamingo Wash, Boulder Highway North-Main Street	Closed	\$346,572.69
LAS29B15	Flamingo-Boulder HWY N-Boulder HWY Sahara to Charleston	Open	\$1,726,003.00
LAS29C16	Flamingo-Bldr Hwy, N Charleston-Maryland Pkwy System	Open	\$2,488,829.00
LAS29D17	Flamingo-Boulder Hwy North, Charleston, Main to Maryland	Open	\$1,529,674.00
LAS29E18	Flamingo - Boulder Hwy North - Boulder Hwy, Sahara to Charleston	Open	\$26,115,786.00
LAS30A13	Gowan-Alexander Rd., Rancho Drive to Decatur Boulevard	Open	\$711,938.00
LAS31A17	LVW-Moccasin, Skye Canyon Park to Upper LVW	Open	\$60,000.00
LAS31B18	LVW - Moccasin, Skye Canyon Park to Upper LVW	Open	\$15,393,582.00
LLD04A03	Holmby Channel	Closed	\$621,698.68
LLD04B07	Oakey Boulevard & Tenaya Way Storm Drain	Closed	\$574,017.45
LLD05A08	Jones Blvd - Alta to Borden Storm Drain	Closed	\$716,389.74
LLD08A11	Lexington Street Storm Drain	Closed	\$926,610.34
LLD09A04	Bruce Street Storm Drain	Closed	\$431,221.89
LLD10A05	Jay Avenue Improvements	Closed	\$548,443.62
LLD10B13	Buckskin Avenue Storm Drain	Open	\$1,200,000.00
LLD12A04	Brush Street Storm Drain	Closed	\$411,351.53
LLD13A02	Crystal Water Way, Lake South Dr to Desert Inn Rd	Closed	\$227,132.20
LLD18A02	Peak Drive, Rainbow Blvd to Torrey Pines Dr	Closed	\$371,781.85

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
LLD19A18	Luning Drive Storm Drain	Open	\$1,201,965.00
LLD99A09	Gilmore Ave - Decatur Blvd to Thom Blvd Storm Drain	Closed	\$410,867.01
			<hr/>
			\$385,314,810.95

Mesquite

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
MES01A88	Town Wash Detention Basin (Right-of-Way)	Closed	\$9,600.50
MES01B89	Town Wash Detention Basin (Design & Construction)	Closed	\$660,000.00
MES01C02	Town Wash Conveyance, I-15 to Virgin River	Closed	\$977,665.86
MES01E17	Town Wash-Mesa Boulevard, El Dorado to Town Wash	Open	\$416,516.00
MES02A00	Abbott Wash Channel, I-15 to Virgin River	Closed	\$632,380.00
MES04A15	Virgin River Flood Wall	Open	\$1,433,903.00
			<hr/>
			\$4,130,065.36

North Las Vegas

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
NLD14A15	Oak Island Drive Storm Drain	Open	\$497,750.00
NLV01A87	Las Vegas Wash/I-15 to Pecos (Facility Study)	Closed	\$304,000.00
NLV01B87	Las Vegas Wash/Craig-Civic Center (King Charles)	Closed	\$2,415,411.73
NLV01C00	Upper Las Vegas Wash	Closed	\$2,590,459.93
NLV01E07	Tropical Parkway Channel East	Closed	\$1,161,535.61
NLV01G11	Ann Road Channel East, ULVW to Fifth Street	Closed	\$960,970.98
NLV01H13	Las Vegas Wash - "N" Channel, Cheyenne to Gowan	Open	\$317,990.00
NLV01J15	Las Vegas Wash - "N" Channel, Cheyenne to Gowan	Closed	\$3,044,495.91
NLV02A87	W. Trib Las Vegas Wash/Craig -Alexander	Closed	\$1,268,170.85
NLV02B88	W. Trib Las Vegas Wash/Craig Ranch Golf Course-Craig	Closed	\$1,057,430.33
NLV03A88	West Range Wash Detention Basin (Facility Study)	Closed	\$273,068.12
NLV03B88	East Range Wash Detention Basin (Facility Study)	Closed	\$30,000.00
NLV03C91	West Range Wash Diversion Dike	Closed	\$339,338.71
NLV03E13	Hollywood System, Dunes South DB to Centennial Parkway	Open	\$2,706,972.00
NLV03F17	Range Wash - Ann Branch	Open	\$1,081,889.00
NLV03G17	Hollywood System, Centennial Pkwy-Speedway #2 DB	Open	\$1,586,850.00
NLV03H17	Hollywood System, Dunes S DB to Centennial Pkwy-Phase I	Open	\$13,109,000.00
NLV03I18	Range Wash - Ann Branch, Phase I	Open	\$2,668,000.00
NLV04A89	Gowan Outfall Structure	Closed	\$13,373,572.56
NLV04B00	Gowan Outfall, Craig to Channel	Closed	\$301,821.67
NLV04C01	Gowan Outfall, Craig to Channel	Closed	\$1,566,299.84
NLV04F07	Simmons Street Drainage Improvements - Carey to Craig	Closed	\$2,110,016.45
NLV04G07	Gowan Outfall - Lone Mountain Branch, Decatur Blvd to Channel	Closed	\$15,057,798.44
NLV04I11	Simmons Street - Phase II, Carey to Cheyenne	Closed	\$5,464,819.43

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
NLV04K17	Gowan Outfall, Alexander Rd - Decatur to Simmons Street	Open	\$1,931,156.00
NLV05A89	Upper Las Vegas Wash Detention Basin	Closed	\$1,342,892.36
NLV06A91	Kyle Detention Basin	Closed	\$601,126.71
NLV06B93	Kyle Detention Basin	Closed	\$8,452,713.96
NLV07A92	Camino Al Norte Culvert	Closed	\$86,191.00
NLV08A94	Lower Las Vegas Wash Detention Basin	Closed	\$2,650,037.50
NLV08B97	Lower Las Vegas Wash Detention Basin Construction	Closed	\$3,316,222.35
NLV09A94	Range Wash Chnl W Trib/Confl DB-LV Blvd. + Vandenberg DB	Closed	\$2,299,092.06
NLV09C03	Range Wash - Lamb Blvd Storm Drain	Closed	\$337,143.54
NLV09D07	Range Wash - Lamb Blvd Storm Drain	Closed	\$5,733,340.83
NLV09E11	Vandenberg North Detention Basin & Outfall	Open	\$1,268,000.00
NLV09F13	Beltway Detention Basin and Channel	Closed	\$0.00
NLV09G13	Centennial Collector	Closed	\$50,086.74
NLV09I13	Beltway Detention Basin and Channel	Open	\$1,334,000.00
NLV10A97	A - Channel/Lake Mead Blvd. - Alexander Road	Closed	\$1,822,067.69
NLV10B99	Cheyenne Peaking Basin	Closed	\$3,445,309.49
NLV10F02	Las Vegas Wash Main Branch, Cheyenne Avenue to Lake Mead Boulevard	Closed	\$353,900.87
NLV10H07	Las Vegas Wash - Lake Mead Blvd to Las Vegas Blvd	Closed	\$2,069,215.34
NLV10I09	Las Vegas Wash - Las Vegas Blvd to Cheyenne Ave	Closed	\$697,124.80
NLV10K11	LVW - LV Blvd to Cheyenne Avenue	Closed	\$6,382,656.86
NLV11A97	W. Trib Las Vegas Wash (Camino Al Norte to Ann Rd)	Closed	\$1,494,634.14
NLV11B97	W. Trib Las Vegas Wash, Ph II (Ann Rd to Centennial PKWY)	Closed	\$2,154,439.86
NLV12A97	Clayton Channel- WTLVW >Centennial PKWY> Allen Ln	Closed	\$40,408.90
NLV13A98	Tributary to the Western Tributary @ Craig Rd	Closed	\$801,419.92
NLV13B02	Tributary to the Western Tributary at Craig Road	Closed	\$5,443,730.21
NLV14A00	Tributary to the Western Tributary @ Alexander Rd	Closed	\$735,930.14
NLV15A00	Las Vegas Wash - Losee Project	Closed	\$87,613.81
NLV16A00	Simmons Street Channel	Closed	\$1,013,785.70
NLV17A00	Centennial Parkway Channel East	Closed	\$2,486,927.42
NLV17B08	Centennial Parkway Channel East	Closed	\$19,334,832.52
NLV17C16	Fifth Street Collector, Centennial Pkwy to Deer Springs Way	Open	\$726,079.00
NLV17D18	Fifth St Collector, Centennial Pkwy to Deer Spgs Way	Open	\$5,124,000.00
NLV18A07	Colton Channel	Closed	\$1,175,047.77
NLV18B07	Brooks Channel	Open	\$595,749.00
NLV18C07	Freeway Channel - Owens Avenue to Miller Avenue	Closed	\$1,528,308.05
NLV18D09	Freeway Channel - Owens Ave to Miller Ave, Phase I	Closed	\$4,389,989.00
NLV18E11	Freeway Channel - Owens Ave to Miller Avenue - Phase II	Closed	\$6,441,348.71

**Regional Flood Control District
 Capital Improvement Projects - Cumulative Reporting
 Pay-As-You-Go Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
NLV18F13	Central Freeway Channel At Cheyenne	Open	\$772,549.00
NLV18H14	Brooks Channel	Open	\$4,726,000.00
NLV18I16	Central Freeway Channel at Cheyenne	Open	\$11,300,000.00
			<u>\$187,832,732.81</u>
		Grand Total	<u>\$1,110,454,059.92</u>

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Bond Funding**

Boulder City

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
BOU01A87	Hemenway Wash	Closed	\$867,000.00
BOU04D02	West Airport Facilities	Closed	\$568,602.56
BOU04E03	Valley View, Red Mountain and DD Facilities	Closed	\$76,468.23
BOU04F05	Valley View and DD Facilities	Closed	\$632,017.12
BOU05D04	Veterans Memorial Detention Basin	Closed	\$3,236,343.92
BOU05E04	Yucca Debris Basin, Collection & Outfall	Closed	\$69,028.25
BOU05F04	Bootleg Canyon Facilities	Closed	\$365,646.88
BOU05I10	Yucca Debris Basin, Collection and Outfall	Closed	\$1,189,960.47
			\$7,005,067.43

Clark County

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
CLA02F92	Rawhide Channel Improv/McLeod-Mtn Vista	Closed	\$2,678,784.24
CLA03E92	Van Buskirk Channel/ Phase III Construction	Closed	\$884,145.27
CLA03F92	Van Buskirk Channel/Phase V/Harmon-Harrison & Tropicana	Closed	\$1,318,316.18
CLA03G92	Van Buskirk Channel / Phase IV	Closed	\$949,302.79
CLA03H93	Van Buskirk Channel / Phases IIA & VI Construction	Closed	\$7,076,269.80
CLA04J03	Flamingo Wash, Algonquin Dr to Maryland Parkway	Closed	\$3,708,620.21
CLA04K03	Flamingo Wash, I-515 to Boulder Highway	Closed	\$4,358,838.58
CLA04L03	Lower Flamingo Detention Basin	Closed	\$1,078,896.68
CLA04T09	Lower Flamingo Detention Basin	Closed	\$3,387,621.44
CLA04W16	Flamingo Wash, Eastern Avenue	Open	\$1,420,000.00
CLA06B93	Range Wash Confluence DB ROW & Construction	Closed	\$9,575,705.90
CLA07C03	Sloan Channel, Las Vegas Wash to Charleston	Closed	\$11,371,793.05
CLA08C98	Lower Duck Creek Detention Basin & Outfall Channel	Closed	\$12,823,423.07
CLA08T14	Duck Creek, Las Vegas Boulevard	Open	\$7,400,000.00
CLA09B99	Durango Collector (Twain to Hacienda)	Closed	\$9,485,138.68
CLA10B99	Tropicana Wash, Paradise Road to Koval Lane	Closed	\$2,087,199.75
CLA10C03	Tropicana North Branch Detention Basin	Closed	\$3,763,800.00
CLA10E09	Tropicana North Branch Detention Basin	Closed	\$950,229.12
CLA12C99	Desert Inn Detention Basin & Collection System	Closed	\$5,327,982.96
CLA13C98	Lakes DB Collection System	Closed	\$17,986,141.42
CLA14B99	Duck Creek Channel (Hollywood Blvd to Stephaine St)--ROWA	Closed	\$1,598,918.50
CLA14M03	Duck Creek, Broadbent Blvd Bridge and Channel	Closed	\$2,176,640.38
CLA14N03	Duck Creek, Broadbent Blvd to Boulder Highway	Closed	\$5,832,117.22
CLA14P03	Duck Creek, Eldorado Lane to Spencer Street	Closed	\$343,994.59
CLA14Q04	Duck Creek, Topaz Street to Eastern Avenue	Closed	\$2,119,552.08
CLA14W11	Duck Creek, Robindale to I-215	Closed	\$650,561.15
CLA15B99	Colorado Avenue Storm Drain System	Closed	\$15,259,421.39
CLA15E13	LVW-Sloan to Stewart-Flam Wash below Nellis	Open	\$84,184,000.00
CLA15F16	Las Vegas Wash - Water Reclamation Channel	Open	\$3,400,000.00

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Bond Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
CLA16L09	Lower Blue Diamond Detention Basin	Closed	\$2,581,701.25
CLA16M09	Blue Diamond Wash Wigwam, UPRR to Rainbow Blvd	Closed	\$5,067,171.04
CLA16N09	Blue Diamond Wash Wigwam, UPRR to Jones Blvd	Closed	\$0.00
CLA17A98	Blue Diamond Chnl/Durango Dr - Rainbow Blvd (Beltway 7B)	Closed	\$1,021,760.73
CLA17D04	Blue Diamond Channel - Jones Branch	Closed	\$641,602.04
CLA18A98	Red Rock Channel/Russell Rd - Hualapai Way	Closed	\$1,793,162.82
CLA19D03	Red Rock Channel, Naples Branch	Closed	\$9,885,005.24
CLA26D11	Flamingo Diversion-South Buffalo Branch, Flamingo Wash to Sunset Rd	Closed	\$7,030,263.37
CLA27D13	Flamingo Diversion - Rainbow Branch	Closed	\$9,654,169.07
			<u>\$260,872,250.01</u>

Clark County Outlying

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
IND01B04	Indian Springs Detention Basin	Closed	\$2,650,794.34
LAU01B92	Unnamed Wash, Laughlin	Closed	\$2,577,722.08
LAU02C94	Hiko Springs, Laughlin	Closed	\$1,200,000.00
LAU04B17	SR 163 at Casino Drive	Open	\$2,000,000.00
			<u>\$8,428,516.42</u>

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Bond Funding**

Henderson

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
HEN01D91	Pittman Wash Channel - Phase II Construction	Closed	\$2,071,148.80
HEN01E93	Pittman Wash Channel Phase IIIA Construction	Closed	\$776,682.83
HEN03B92	UPRR Channel Construction	Closed	\$2,149,477.47
HEN04C93	Mission Hills System Construction	Closed	\$5,503,671.37
HEN04D94	C-1 Channel / Lake Mead Dr. - Burkholder	Closed	\$3,398,432.50
HEN04E96	Mission Hills Western Interceptor Diversion	Closed	\$2,100,000.00
HEN04J99	Black Mountain Detention Basin & Outfall	Closed	\$5,233,184.00
HEN04L01	C-1 Chnl, Mdl & Upr Reaches-PhI: Burkholder - Boulder HWY	Closed	\$4,784,787.10
HEN04M03	C-1 Channel, Upper & Middle Reaches - Vermillion Dr - Boulder HWY	Closed	\$3,689,653.67
HEN05B98	Pioneer DB Outfall	Closed	\$2,952,988.96
HEN05F12	Pioneer Detention Basin Expansion and Inflow	Closed	\$1,330,852.11
HEN05G16	Horizon Ridge Detention Basin	Open	\$7,506,000.00
HEN06J13	Equestrian Detention Basin Expansion	Closed	\$1,025,764.52
HEN06K13	Equestrian Tributary, Phase II	Closed	\$2,147,066.76
HEN07C11	Pittman Park Peaking Basin Modification	Closed	\$0.00
HEN12D03	Pittman Wash - Burns	Closed	\$257,326.75
HEN12E05	Gibson Conveyance System	Closed	\$2,164,571.54
HEN12J16	Palm Hills Channel	Closed	\$1,880,256.03
HEN13B03	Boulder Highway Channel	Closed	\$6,534,523.99
HEN15B02	Pittman Wash Railroad Channel, Phase I (Resol. No. 02-6)	Closed	\$1,989,679.32
HEN15C04	Pittman Wash Railroad Channel, US-95 to Major Avenue	Closed	\$5,537,919.81
HEN18A03	Drake Channel	Closed	\$75,265.32
HEN19A03	Northeast Detention Basin and Levee	Closed	\$1,134,804.61
HEN20B04	C-1 Channel, US-95 Tributary 1	Closed	\$1,522,849.50
HEN23B16	Center Street Storm Drain	Open	\$9,731,435.15
HLD06A15	Appaloosa Storm Drain, Local Drainage Project	Open	\$925,834.35
			<u>\$76,424,176.46</u>

Las Vegas

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
LAS01E13	Angel Park Detention Basin Expansion	Closed	\$4,085,640.34
LAS02E92	Buffalo Channel/Summerlin Pkwy-Vegas Dr.	Closed	\$1,911,377.65
LAS03C91	Gowan Detention Basin	Closed	\$7,184,517.75
LAS04D92	Oakey Detention Basin & Conveyance	Closed	\$6,887,121.59
LAS05E03	Oakey - Meadows Storm Drain	Closed	\$5,221,885.40
LAS05F03	Alta Parallel System	Closed	\$2,093,934.39
LAS05K15	Oakey-Meadows Storm Drain, Phase III	Closed	\$24,265,142.63
LAS09C91	Washington Ave./Sandhill Outlet	Closed	\$1,496,312.93
LAS09E93	Washington Ave. / Virgil-Lena	Closed	\$2,862,675.33
LAS09N99	Upr Wash Ave Conv Sys, Ph II: Veterans Memorial Dr - UPRR	Closed	\$6,279,449.66
LAS09O99	Freeway Channel - Alta Dr to Sahara Ave & Bypass Facility	Closed	\$36,285,968.75

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Bond Funding**

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
LAS09T04	Freeway Channel, Charleston Lateral	Closed	\$4,336,897.56
LAS10C94	Lone Mtn. Detention Basin	Closed	\$315,482.25
LAS10I98	Gowan North Channel, Ph II/Durango Dr	Closed	\$5,455,374.03
LAS10T02	Gowan North System - Ph III: Alexander Rd to Lone Mtn Rd	Closed	\$7,539,040.96
LAS10V03	GNC - Lone Mountain Road (El Capitan Way to the Western Beltway)	Closed	\$634,984.37
LAS10W04	Lone Mountain System, Lone Mtn DB Outfall to Durango	Closed	\$2,734,160.02
LAS10X05	Ann Road Detention Basin Facilities (CAM 10 DB)	Closed	\$9,317,720.04
LAS14D14	Freeway Channel-Washington, MLK to Rancho Drive	Open	\$11,405,343.00
LAS16D01	Ann Road, Allen Lane to Rancho Drive	Closed	\$7,069,867.82
LAS16E04	Rancho Detention Basin, Phase II	Closed	\$464,510.86
LAS16F04	Rancho Road System (El Campo Grande Storm Drain)	Closed	\$573,652.99
LAS17E03	Peak Drive System (Jones Blvd to Michael Way)	Closed	\$456,338.90
LAS19C05	Owens Avenue System (Vegas Dr Storm Drain) - Michael Way to Rancho Drive	Closed	\$1,596,671.67
LAS21A03	Upper Las Vegas Wash Facility Study	Closed	\$243,392.60
LAS22A03	Decatur/Elkhorn/Rainbow System Predesign	Closed	\$368,594.70
LAS22M09	Las Vegas Wash - Rainbow (Elkhorn Rd to Grand Teton Dr)	Closed	\$7,696,565.04
LAS22N09	Las Vegas Wash - Decatur & Elkhorn, CC 215	Closed	\$25,788,320.03
LAS22O09	N & S Environ Enhancement Areas - Floyd Lamb Park	Closed	\$25,314,907.94
LAS22P09	Elkhorn Springs & Buffalo Storm Drain	Closed	\$1,567,520.54
LAS24F10	Gowan Outfall - Lone Mountain Branch (Rancho to Decatur)	Closed	\$10,109,824.95
LAS26D14	Grand Teton - Hualapai to Tee Pee	Closed	\$6,245,247.37
LAS28A10	Langtry Channel Bonanza to Washington Avenue	Closed	\$1,002,676.43
			<u>\$228,811,120.49</u>

Mesquite

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

**Regional Flood Control District
Capital Improvement Projects - Cumulative Reporting
Bond Funding**

North Las Vegas

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
NLV01D03	Upper Las Vegas Wash	Closed	\$31,132,709.75
NLV01F09	Tropical Parkway Channel East	Closed	\$5,900,026.83
NLV01H14	Ann Road Channel East, ULVW to Fifth Street	Closed	\$5,580,349.42
NLV03D93	West Range Wash Diversion Dike	Closed	\$2,251,608.79
NLV04D04	Gowan Outfall - Lone Mountain Branch, Decatur Blvd to Channel	Closed	\$1,179,589.48
NLV04H09	Simmons Street Drainage Improvements - Gowan Outfall	Closed	\$2,280,988.68
NLV04J14	Simmons Street Drainage Impvments-Alexander to Gowan Outfall	Closed	\$14,878,224.09
NLV05B92	Upper Las Vegas Wash Detention Basin Construction	Closed	\$8,010,318.87
NLV06B93	Kyle Detention Basin	Closed	\$5,037,000.00
NLV08B97	Lower Las Vegas Wash Detention Basin Construction	Closed	\$4,433,240.98
NLV09B99	Vandenberg Detention Basin	Closed	\$5,347,006.76
NLV09H14	Centennial Collector	Closed	\$2,256,922.92
NLV10E03	"A" Channel Three Bridges Project (Cheyenne Ave, Las Vegas Blvd, and Carey Ave)	Closed	\$9,966,315.63
NLV10G03	Cheyenne Peaking Basin, Collection & Outfall - Alexander Rd to Cheyenne Ave	Closed	\$15,482,525.64
NLV10J10	LV Wash Main Branch-LV Blvd. to Lake Mead Blvd.	Closed	\$21,161,048.84
NLV11C98	W. Trib Las Vegas Wash Chnl, Ph I (Ann Rd - Clayton St)	Closed	\$7,898,144.87
NLV11D99	W. Trib Las Vegas Wash, Ph III (LLVWDB to Camino Al Norte)	Closed	\$2,499,963.56
NLV11E99	W. Trib of the Las Vegas Wash, Ph II (Ann to Centennial)	Closed	\$7,772,320.98
NLV14B03	Tributary to the Western Tributary @ Alexander Rd	Closed	\$7,636,332.88
NLV15B03	Las Vegas Wash - Losee Road	Closed	\$1,142,595.43
NLV16B03	Simmons Street Channel	Closed	\$4,885,102.93
NLV18G14	Colton Avenue Flood Control Improvements	Closed	\$6,811,918.64
			<u>\$173,544,255.97</u>
		Grand Total	<u><u>\$776,770,371.58</u></u>

FY 2018-19 PROJECTS FUNDED SUMMARY

Facility Description	Project Number	Project Scope (1)	Year-1 Programmed (2)	Year-2/Year-3 Programmed (2)/(3)	Funding Amount (4)	Approval Date	Item #
HENDERSON (Southeast Las Vegas Valley)							
Anthem Parkway Channel - Horizon Ridge to Sienna Heights		Construction	0.00	933,046.00			
Whitney Wash Channel Replacement Project	HEN07F18	Design	448,800.00	0.00	448,800.00	8/9/2018	12
Whitney Wash Channel		Construction	0.00	7,810,235.00			
Pittman North DB & Outfall, Phase II - Starr Avenue Closeout	HEN16E15	Construction	(135,184.69)	0.00	(135,184.69)	8/9/2018	7
		Henderson Total	\$313,615.31	\$8,743,281.00	\$313,615.31		
HENDERSON 3-YEAR TOTALS:	PROJECTS PROGRAMMED		\$9,056,896.31				
	ESTIMATED RESOURCES		\$11,788,651.00				
	REMAINING RESOURCES		\$11,475,035.69				

LAS VEGAS (Central Las Vegas Valley)							
Fleming - Boulder Highway North, Charleston - Main to Maryland Parkway		Construction	0.00	4,916,089.00			
Fleming - Boulder Highway North - Boulder Hwy., Sahara to Charleston	LAS29E18	Construction	0.00	26,115,786.00	26,115,786.00	10/11/2018	17b
Fleming - Boulder Hwy. North, Charleston - Boulder Hwy. to Maryland Parkway and Maryland Pkwy. System		Construction	0.00	25,732,897.00			
Gowan Outfall - Alexander Rd., Decatur Blvd to Simmons Street		Construction	0.00	32,001,616.00			
Gowan Outfall - El Capitan Branch, Ann Road to Centennial		Construction	0.00	8,243,755.00			
Gowan - Alexander Rd., Rancho to Decatur		Construction	0.00	12,172,711.00			
LWW - Moccasin, Skye Canyon Park to Upper LWW	LAS31B18	Construction	0.00	15,393,582.00	15,393,582.00	11/8/2018	16b
Freeway Channel - Washington, MLK to Rancho Drive - 5th Supplemental	LAS14D14	Construction	50,000.00	0.00	50,000.00	12/13/2018	
Simmons Street Drainage Improvements - Carey to Craig - Amended Closeout	NLV04F07	Design	6,455.00	0.00	6,455.00	9/13/2018	7
Rancho Road System - Elkhorn, Grand Canyon to Hualapai - 2nd Supplemental		Design	100,000.00	0.00	100,000.00	8/9/2018	13
		Las Vegas Total	\$156,455.00	\$124,576,436.00	\$41,665,823.00		
LAS VEGAS 3-YEAR TOTALS:	PROJECTS PROGRAMMED		\$124,732,891.00				
	ESTIMATED RESOURCES		\$127,209,468.00				
	REMAINING RESOURCES		\$85,543,645.00				

NORTH LAS VEGAS (Northern Las Vegas Valley)							
Fifth Street Collector - Centennial Parkway to Deer Springs Way	NLV17D18	Construction	0.00	5,124,000.00	5,124,000.00	9/13/2018	15b
Orchard Collector - Charleston to Linden		Construction	3,210,000.00	0.00			
Owens Detention Basin & Outfall		ROW	0.00	595,440.00			
Range Wash - Alto Conveyance, Confluence DB to Los Feliz		Design	323,490.00	0.00			
Range Wash - Alto Conveyance, Confluence DB to Los Feliz		ROW	0.00	465,825.00			
Range Wash - Beltway Conveyance		Design	174,789.00	0.00			
Range Wash - Beltway Conveyance		ROW	233,051.00	0.00			
Range Wash - Beltway Conveyance		Construction	0.00	2,446,643.00			
Vandenberg North Detention Basin & Outfall - 6th Supplemental	NLV09E11	Design	145,000.00	0.00	145,000.00	12/13/2018	
Vandenberg North Detention Basin, Collection & Outfall, Phase I	CLA28D18	Construction	0.00	3,765,000.00	3,765,000.00	12/13/2018	
Brooks Channel - Closeout	NLV18H14	Construction	(36,029.07)	0.00	(36,029.07)	12/13/2018	
Central Freeway Channel at Cheyenne - Closeout	NLV18I16	Construction	(1,636,645.93)	0.00	(1,636,645.93)	12/13/2018	
Vandenberg North Detention Basin, Collection & Outfall		Construction	0.00	20,993,255.00			
Beltway Collection System - Pecos		Design	486,425.00	0.00			
Beltway Collection System - Pecos		Construction	0.00	6,808,831.00			
Hollywood System, Dunes South Detention Basin to Centennial Parkway - Phase I - 1st Supplemental	NLV03H17	Construction	(1,360,000.00)	0.00	(1,360,000.00)	11/8/2018	15a
Hollywood System, Dunes South Detention Basin to Centennial Pkwy. - Phase 2		Construction	15,361,413.00	0.00			
Range Wash - Ann Branch, Phase 2		Construction	0.00	9,998,188.00			
Hollywood System, Centennial Pkwy. to Speedway #2 Detention Basin - 2nd Supplemental	NLV03G17	Design	689,380.00	0.00	689,380.00	10/11/2018	16
Hollywood System, Centennial Pkwy. to Speedway #2 Detention Basin		Construction	0.00	5,799,754.00			
		North Las Vegas Total	\$17,590,873.00	\$55,996,936.00	\$6,690,705.00		
NORTH LAS VEGAS 3-YEAR TOTALS:	PROJECTS PROGRAMMED		\$73,587,809.00				
	ESTIMATED RESOURCES		\$82,890,222.00				
	REMAINING RESOURCES		\$76,199,517.00				

CLARK COUNTY (Southwest Las Vegas Valley and Outlying Areas)							
Airport Channel - Naples		Construction	9,549,217.00	0.00			
Fleming Wash - Industrial Road to Hotel Rio Drive		Construction	1,400,000.00	0.00			
Wagon Trail Channel - Sunset to Teco		Design	130,207.00	0.00			
Wagon Trail Channel - Sunset to Teco		ROW	173,609.00	0.00			
Wagon Trail Channel - Sunset to Teco		Construction	0.00	1,769,508.00			
Fleming Wash, Maryland to Palos Verde		Design	199,149.00	0.00			
Fleming Wash, Maryland to Palos Verde		Construction	0.00	2,706,430.00			
Tropicana Avenue Conveyance - Las Vegas Wash to Boulder Hwy.		Design	670,000.00	0.00			
Tropicana Avenue Conveyance - Las Vegas Wash to Boulder Hwy		Construction	0.00	18,925,790.00			
Blue Diamond Wash - Arville to I-15		Design	372,390.00	0.00			
Blue Diamond Wash - Arville to I-15		Construction	0.00	5,060,784.00			

FY 2018-19 PROJECTS FUNDED SUMMARY

Facility Description	Project Number	Project Scope (1)	Year-1 Programmed (2)	Year-2/Year-3 Programmed (2)/(3)	Funding Amount (4)	Approval Date	Item #
CLARK COUNTY (Southwest Las Vegas Valley and Outlying Areas) - Continued							
Duck Cr./Blue Diamond, Bermuda to Las Vegas Blvd.		Design	374,780.00	0.00			
Duck Cr./Blue Diamond, Bermuda to Las Vegas Blvd.		ROW	499,707.00	0.00			
Duck Cr./Blue Diamond, Bermuda to Las Vegas Blvd		Construction	0.00	5,246,061.00			
Duck Creek Jones Boulevard		Construction	2,243,302.00	0.00			
Silverado Ranch Detention Basin and Outfall Facilities		Construction	0.00	23,554,540.00			
Blue Diamond Channel 02, Decatur - Le Baron to Richmar		Construction	3,500,000.00	0.00			
Blue Diamond Wash Railroad		ROW	352,286.00	0.00			
Duck Creek Wash Tributary 4 - Detention Basin to Jones		Design	379,757.00	0.00			
Duck Creek Wash Tributary 4 - Detention Basin to Jones		Construction	0.00	5,315,718.00			
Duck Creek, Sunset Park		Design	1,020,882.00	0.00			
Duck Creek Wash, Torrey Pines to Rainbow		Construction	600,000.00	0.00			
Duck Creek Haven Street		Construction	4,146,462.00	0.00			
Tropicana Wash at Swenson Street - Amended Closeout	CLA10G12	Construction	(2,042.55)	0.00	(2,042.55)	10/11/2018	07b
Red Rock Channel, Naples Branch - Amended Closeout	CLA19D03	Construction	(231.56)	0.00	(231.56)	10/11/2018	07a
Flamingo Diversin - Rainbow Branch - Amended Closeout	CLA27D13	Construction	(24,376.40)	0.00	(24,376.40)	10/11/2018	07c
SR 163 at Casino Drive - 1st Supplemental	LAU04B17	Construction	848,000.00	0.00	848,000.00	10/11/2018	15
Goodsprings - Phase I		ROW	68,939.00	0.00			
Goodsprings - Phase I		Construction	0.00	919,494.00			
Fairgrounds - Detention Basin (Whipple Street)		Construction	10,405,257.00	0.00			
Clark County Total			\$36,907,293.49	\$63,498,325.00	\$821,349.49		
CLARK COUNTY 3-YEAR TOTALS:		PROJECTS PROGRAMMED	\$100,405,618.49				
		ESTIMATED RESOURCES	\$120,790,934.00				
		REMAINING RESOURCES	\$119,969,584.51				

CITY OF MESQUITE							
Town Wash - Mesa Boulevard, El Dorado to Town Wash		Construction	0.00	5,142,665.00			
Town Wash - Mesa Boulevard, El Dorado to Town Wash - 1st Supplemental	MES01E17	Design	50,000.00	0.00	50,000.00	7/12/2018	11
Town Wash - Mesa Boulevard, El Dorado to Town Wash - 2nd Supplemental	MES01E17	Design	26,213.00	0.00	26,213.00	9/13/2018	13
Virgin River Flood Wall		Construction	0.00	8,560,000.00			
City of Mesquite Total			\$76,213.00	\$13,702,665.00	\$76,213.00		
MESQUITE 3-YEAR TOTALS:		PROJECTS PROGRAMMED	\$13,778,878.00				
		ESTIMATED RESOURCES	\$10,395,893.00				
		REMAINING RESOURCES	\$10,319,680.00				

BOULDER CITY							
Hemenway System, Phase IIB Improvements		Construction	0.00	729,416.00			
Boulder City Total			\$0.00	\$729,416.00	\$0.00		
BOULDER CITY 3-YEAR TOTALS:		PROJECTS PROGRAMMED	\$729,416.00				
		ESTIMATED RESOURCES	\$4,776,677.00				
		REMAINING RESOURCES	\$4,776,677.00				

SUMMARY	
TOTAL 3-YEAR PROJECTS PROGRAMMED⁽²⁾	\$322,291,508.80
TOTAL ESTIMATED RESOURCES (Year-1)	\$76,622,748.00
TOTAL REMAINING DESIGN PROJECTS (Year-1)	\$4,131,869.00
TOTAL PROJECTS FUNDED (Year-1)	\$49,567,705.80
CURRENT AVAILABLE CONSTRUCTION RESOURCES (Year-1)	\$22,923,173.20

LOCAL DRAINAGE (5)							
Luning Drive Storm Drain	LLD19A18	Construction	1,201,965.00	0.00	1,201,965.00	7/12/2018	12
Local Drainage Total			\$1,201,965.00	\$0.00	\$1,201,965.00		

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

ESTIMATED FUNDING SCHEDULE

Month-Year	Funding Requests Received			Estimated Resources for CIP		Priority Date	Notes
	Facility Description	Project #	Amount	Resources (1)	Available (1)		
FISCAL YEAR 2018-19							
Dec-18	ESTIMATED REMAINING FISCAL YEAR CIP RESOURCES			\$6,000,000	\$7,854,632		Adjusted 12/2018 based off of actual cash receipts for FY18-19
	Vandenberg North Detention Basin & Outfall 6th Supplemental	NLV09E11	\$145,000		\$7,709,632		
	Vandenberg North Detention Basin, Collection & Outfall, Phase I	CLA28D18	\$3,765,000		\$3,944,632		
	Freeway Channel - Washington, MLK to Rancho Drive - 5th Supplemental	LAS14D14	\$50,000		\$3,894,632		
	Brooks Channel (construction) - Closeout	NLV18H14	-\$36,029		\$3,930,661		
	Central Freeway Channel at Cheyenne (construction) - Closeout	NLV18I16	-\$1,636,646		\$5,567,307		
	No Projects Awaiting Funding		\$ -				

Notes (1) Estimated CIP resources are from the FY2018-19 Ten-Year Construction Program and may be adjusted for current economic conditions

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:
TEN YEAR CONSTRUCTION PROGRAM AMENDMENTS
PETITIONER:
STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER
RECOMMENDATION OF PETITIONER:
ADOPT AMENDMENTS TO THE TEN YEAR CONSTRUCTION PROGRAM (FOR POSSIBLE ACTION)

FISCAL IMPACT: None.

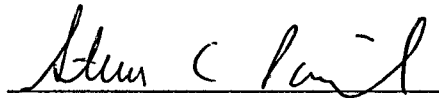
BACKGROUND: In accordance with Policies and Procedures Section II.B.9 general amendments can be processed to address scheduling changes and/or the need for additional funding. This agenda item addresses requested changes in funding, positive and negative, associated with this agenda as they impact the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

Project Description	Project Number	Item No. / Action	Current TYCP Amount	Requested Amendment Amount
Brooks Channel (construction)	NLV18H14	Item #06 Closeout	\$ 0.00	(\$ 36,029.07)
Central Freeway Channel at Cheyenne (construction)	NLV18I16	Item #06 Closeout	\$ 0.00	(\$1,636,645.93)

TAC AGENDA ITEM #05 Date: 11/29/18	RFCD AGENDA ITEM # Date: 12/13/18
CAC AGENDA ITEM #05 Date: 12/03/18	

Project Description	Project Number	Item No. / Action	Current TYCP Amount	Requested Amendment Amount
Vandenberg North Detention Basin & Outfall	NLV09E11	Item #13a 6 th Supplemental	\$ 0.00	\$ 145,000.00
Freeway Channel – Washington, MLK to Rancho Drive	LAS14D14	Item #13b 5 th Supplemental	\$ 0.00	\$ 50,000.00
Vandenberg North Detention Basin, Collection and Outfall, Phase I	CLA28D18	Item #14b Original	\$24,758,255.00	\$3,765,000.00

Respectfully submitted,



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

TAC AGENDA ITEM #05 Date: 11/29/18	RFCD AGENDA ITEM # Date: 12/13/18
CAC AGENDA ITEM #05 Date: 12/03/18	

112918 TYCP Amend-item

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 11/19/18
TEN YEAR CONSTRUCTION PROGRAM AMENDMENTS	
In accordance with Policies and Procedures Section II.B.9 general amendments can be processed to address scheduling changes and/or the need for additional funding. This agenda item addresses requested changes in funding, positive and negative, associated with this agenda as they impact the Ten Year Construction Program (TYCP). Also attached are amendments requested from the City of North Las Vegas.	
Staff Recommendation:	
Approve.	
Discussion by Technical Advisory Committee:	AGENDA #05 Date: 11/29/18
Recommendation:	
Discussion by Citizens Advisory Committee:	AGENDA #05 Date: 12/03/18
Recommendation:	

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:
TEN YEAR CONSTRUCTION PROGRAM AMENDMENT

PETITIONER:
DALE DAFFERN, P.E., DIRECTOR OF PUBLIC WORKS
CITY OF NORTH LAS VEGAS

RECOMMENDATION OF PETITIONER:
THAT THE REGIONAL FLOOD CONTROL DISTRICT ADOPT AN AMENDMENT TO
THE TEN YEAR CONSTRUCTION PROGRAM (FOR POSSIBLE ACTION)

FISCAL IMPACT: None

BACKGROUND:

The City of North Las Vegas requests the following changes to the current Ten Year Construction Program:

1. Vandenberg North Detention Basin, Collection & Outfall: In Year 2, split construction into two phases. Phase I to include construction cost of \$3,391,000 and construction management of \$374,000 for a portion of RWWE 0430, and Phase II to include construction cost of \$20,367,255 and construction management of \$626,000. This amendment will allow for District facilities within Pecos Road (RWWE 0430) to be constructed with the Northern Beltway Project.

Respectfully submitted,



Dale Daffern, P.E.
Director of Public Works

TAC AGENDA ITEM # 05 Date: 11/29/18	RFCD AGENDA ITEM # Date: 12/13/18
CAC AGENDA ITEM # 05 Date: 12/03/18	

EXHIBIT C

CITY OF LAS VEGAS
10-YEAR CONSTRUCTION PROGRAM
Amended December 13, 2018

TOTAL PLAN	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2018 THRU 6/2023			Funding Requests 18/19					
					(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21						
TOTAL PLAN			Annual Resources	\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964						
Unencumbered from previous year	\$27,073,778		Cumulative Available Resources	\$853,173,969	\$21,578,298	\$38,734,826	\$26,942,905						
ENTITY RESOURCES			Annual Resources	\$345,726,730	\$18,384,647	\$92,043,477	\$16,781,344						
Unencumbered from previous year	(\$788,895)		Cumulative Available Resources		\$18,228,192	\$2,192,494	\$1,610,085						
ENTITY TOTAL				\$957,137,971	\$684,948,614	\$329,184,045	\$156,455	\$108,079,175	\$17,363,753	Board Date	Amount	Amendment?	Project No.
HYDROGRAPHIC BASIN: CENTRAL				\$403,721,788	\$386,155,042	\$202,717,828	\$50,000	\$51,848,683	\$4,916,089		\$26,165,786		
SYSTEM: LV Wash I-15 Tributary				\$109,476,848	\$77,154,912	\$19,286,040	\$50,000	\$0	\$0		\$50,000		
PROJECT: Freeway Channel - Washington, Valley View to Decatur													
Design/Admin				\$727,252									
Right-of-way	LV15 0602			\$581,802	\$8,646,626								
Construction				\$5,199,850									
PROJECT: Freeway Channel - Washington, Rancho to Valley View													
Design/Admin				\$705,329									
Right-of-way	LV15 0528			\$612,263	\$9,588,414					10/11/2018		Moved	
Construction				\$5,472,102						10/11/2018		Moved	
PROJECT: Freeway Channel - Washington, MLK to Rancho													
5th Supplement				\$1,007,949									
Design/Admin					\$50,000					12/13/2018	\$50,000	YES	LAS14014
Right-of-way	LV15 0424, 0472 & 0474			\$806,359									
Construction				\$7,206,834									
SYSTEM: LV Wash Central				\$285,079,544	\$133,972,846	\$70,249,944	\$0	\$0	\$0		\$0		
PROJECT: Las Vegas Wash - Stewart to Bonanza													
Design/Admin				\$582,295									
Right-of-way	LVMD 1121 & 1149			\$495,636	\$6,210,968								
Construction				\$4,163,416									
PROJECT: Meadows - Charleston, Essex to Lindell													
Design/Admin				\$881,482									
Right-of-way	MECN 0000, 0061			\$705,194	\$11,021,348								
Construction				\$6,302,669									
PROJECT: Meadows - Charleston, Lindell to Rainbow													
Design/Admin				\$1,176,082									
Right-of-way	MECN 0123, 0223			\$940,848	\$14,734,269								
Construction				\$8,408,837									
PROJECT: Cedar Avenue Channel Improvements													
Design/Admin				\$877,918									
Design/Admin	CACN 0001 & 0035, CNST 0000			\$702,335	\$9,384,178								
Construction				\$6,277,116									
PROJECT: Owens Avenue East - LV Wash to Mojave													
Design/Admin				\$1,541,300									
Right-of-way	LV0E 0000			\$1,233,040	\$19,310,162					10/11/2018		Moved	
Construction				\$11,020,297									
PROJECT: Owens Avenue East - Mojave to Eastern													
Design/Admin				\$706,974									
Right-of-way	LV0E 0065			\$613,579	\$9,608,019								
Construction				\$5,483,861									
SYSTEM: Sahara Boulder Highway				\$9,165,396	\$174,027,284	\$113,182,844	\$0	\$51,848,683	\$4,916,089		\$26,115,786		
PROJECT: Boulder Highway Sahara Avenue - Eastern to Boulder Hwy.													
Design/Admin				\$1,584,691									
Right-of-way	BHSA 0000, 0026			\$1,267,793	\$21,020,127								
Construction				\$11,330,541									
PROJECT: Sahara Avenue - Eastern Lateral													
Design/Admin				\$301,160									
Right-of-way	SAEA 0000			\$240,928	\$287,320								
Construction				\$2,153,296									
PROJECT: Boulder Highway Sahara Avenue - Maryland to Eastern													
Design/Admin				\$1,451,440									
Right-of-way	BHSA 0075			\$1,161,152	\$19,830,201								
Construction				\$10,377,798									
PROJECT: Boulder Highway Sahara Avenue - LV Blvd. to Maryland													
Design/Admin				\$2,062,012									
Right-of-way	BHSA 0175			\$1,649,610	\$1,887,252					10/11/2018		Moved	
Construction				\$14,743,385									
PROJECT: Flamingo - Boulder Hwy. North, Charleston - Main to Maryland													
Design/Admin				\$474,725									
Right-of-way	FLBN 0281, 0312			\$379,780	\$4,916,088								
Construction				\$3,394,278									
PROJECT: Flamingo - Boulder Highway North - Boulder Hwy, Sahara to Charleston													
Design/Admin				\$1,954,412									
Right-of-way	FLBN 0038			\$1,563,530	\$26,115,788					10/11/2018	\$1,708,509	YES	LAS29E 18
Construction				\$13,974,050						10/11/2018	\$24,407,277	YES	LAS29E 18
PROJECT: Flamingo - Boulder Hwy North, Charleston - Boulder Hwy to Maryland Parkway and Maryland Pkwy System													
Design/Admin				\$1,863,218									
Right-of-way	FLBN 0167, 0180, 0205 & FLMP 0000			\$1,490,575	\$25,732,867								
Construction				\$13,322,013									
PROJECT: Las Vegas Wash - Bonanza - Las Vegas Wash to Lamb													
Design/Admin				\$1,094,511									
Right-of-way	LV82 0000			\$875,099	\$13,313,173					10/11/2018		Moved	
Construction				\$7,825,754									

EXHIBIT C

CITY OF LAS VEGAS
10-YEAR CONSTRUCTION PROGRAM
Amended December 13, 2018

TOTAL PLAN	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPFU	Total Plan	FIRST FIVE YEARS 7/2018 THRU 6/2023			Funding Requests 18/19					
					(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21						
Annual Resources					\$913,426,313	\$49,548,970	\$237,862,133	\$43,366,964					
Cumulative Available Resources					\$853,173,969	\$21,578,298	\$38,734,826	\$26,942,905					
Annual Resources					\$345,726,730	\$18,384,647	\$82,043,477	\$16,781,344					
Cumulative Available Resources					\$18,228,192	\$2,192,494	\$1,610,085						
ENTITY TOTAL		\$957,137,971	\$684,948,614	\$329,184,045	\$156,455	\$108,079,175	\$17,363,753	\$41,665,823					
HYDROGRAPHIC BASIN: GOWAN													
SYSTEM: Gowan North													
PROJECT: Simmons Street Drainage Improvements													
Amend CLOSEOUT Design/Admin													
Right-of-way Construction					\$6,455					9/13/2018	\$6,455	YES	NLV0407
PROJECT: Gowan Box Canyon - Lone Mountain Road													
Design/Admin													
Right-of-way Construction					\$6,347,722					10/11/2018		Moved	
PROJECT: Gowan Outfall - Alexander Rd., Decatur Blvd. to Simmons Street													
Design/Admin													
Right-of-way Construction					\$32,001,616								
PROJECT: Gowan North - El Capitan Branch, Lone Mtn to Ann Road													
Design/Admin													
Right-of-way Construction					\$0								
PROJECT: Gowan Outfall - Clayton Branch													
Design/Admin													
Right-of-way Construction					\$17,774,703								
PROJECT: Gowan Outfall - El Capitan Branch, Ann Road to Centennial													
Design/Admin													
Right-of-way Construction					\$8,243,755								
PROJECT: Gowan - Alexander Rd., Rancho to Decatur													
Design/Admin													
Right-of-way Construction					\$12,172,711								
PROJECT: Gowan - Rancho, Craig to Alexander													
Design/Admin													
Right-of-way Construction					\$8,725,297								
PROJECT: Gowan - Alexander Branch													
Design/Admin													
Right-of-way Construction					\$4,055,582								
PROJECT: Gowan - Craig and US-95													
Design/Admin													
Right-of-way Construction					\$12,932,400								
HYDROGRAPHIC BASIN: UPPER NORTHERN LV WASH													
SYSTEM: Ann Road													
PROJECT: Rancho Road System - Elkhorn, Grand Canyon to Hualapai													
2nd Supplement Design/Admin													
Right-of-way Construction					\$100,000					8/9/2018	\$100,000	YES	LAS16P15
SYSTEM: Upper Western Tributary													
Design/Admin													
Right-of-way Construction					\$8,712,383								
PROJECT: Brent Drainage System - Durango to El Capitan													
Design/Admin													
Right-of-way Construction					\$8,712,383								
SYSTEM: Kyle Canyon													
Design/Admin													
Right-of-way Construction					\$15,393,582								
PROJECT: LVW - Moccasin, Skye Canyon Park to Upper LVW													
Design/Admin													
Right-of-way Construction					\$15,383,582								
Design/Admin													
Right-of-way Construction					\$15,383,582								

EXHIBIT C

**CITY OF NORTH LAS VEGAS
10-YEAR CONSTRUCTION PROGRAM
Amended December 13, 2018**

	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2018 THRU 6/2023			Board Date	Amount	Amendment?	Project No.	
					(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21					
TOTAL PLAN				\$913,426,313	\$48,548,970	\$237,862,133	\$43,366,964					
Unencumbered from previous year	\$27,073,778			\$853,173,969	\$21,578,298	\$38,734,826	\$28,942,905					
ENTITY RESOURCES				\$191,420,410	\$28,840,587	\$45,714,905	\$8,334,730					
Unencumbered from previous year	\$19,317,733				\$11,249,713	\$10,223,156	\$8,902,145					
ENTITY TOTAL		\$488,547,325	\$340,609,220	\$169,587,640	\$17,590,874	\$46,741,462	\$9,655,742		\$6,690,705			
HYDROGRAPHIC BASIN: LOWER NORTHERN LV WASH		\$258,586,054	\$151,646,075	\$33,557,169	(\$1,672,675)	\$5,124,000	\$400,268		\$3,451,325			
SYSTEM: Lower Western Tributary		\$97,913,008	\$17,756,271	(\$1,672,675)	(\$1,672,675)	\$0	\$0		(\$1,672,675)			
PROJECT: Central Freeway Channel at Cheyenne												
Design/Admin	LV15 0001	Design Started 13/14	\$619,236	(\$1,630,846)								
Design/Admin		NLV18F13										
Right-of-way		NLV18F13	\$495,389									
Construction			\$4,427,535									
CLOSEOUT								12/13/2018	(\$1,636,646)	YES	NLV18H16	
PROJECT: Brooks Channel												
Design/Admin	LVBR 0000, 0005, 0011	Design Started 07/08	\$56,498	(\$36,029)								
Design/Admin												
Right-of-way		NLV18B07	\$45,198									
Construction												
CLOSEOUT								12/13/2018	(\$36,029)	YES	NLV18H14	
SYSTEM: LV Wash Craig		\$109,468,557	\$40,950,363	\$10,390,161	\$0	\$5,124,000	\$400,268		\$5,124,000			
PROJECT: North Las Vegas Detention Basin Upgrade												
Design/Admin	LVUP 0406		\$486,372	\$5,268,161			\$400,268					
Design/Admin			\$369,097									
Right-of-way			\$3,051,962									
Construction												
PROJECT: Fifth Street Collector - Centennial to Deer Springs												
Design/Admin	LVSC 0002, 0050	Design started 10/17	\$470,561	\$5,124,000			\$466,000					
Design/Admin			\$385,432						9/13/2018	\$466,000	YES	NLV17D18
Right-of-way		NLV17C16	\$3,444,794									
Construction								\$4,658,000		9/13/2018	\$4,658,000	YES
SYSTEM: Cheyenne Lamb Nellis		\$51,204,489	\$92,939,441	\$24,839,683	\$0	\$0	\$0		\$0			
PROJECT: Lake Mead Drain to Las Vegas Wash												
Design/Admin	LVLE 0000, 0047		\$1,054,874	\$14,020,837								
Design/Admin			\$843,900									
Right-of-way			\$7,542,353									
Construction												
PROJECT: Las Vegas Boulevard Drain												
Design/Admin	LVLV 0000		\$865,296	\$10,818,846								
Design/Admin			\$692,237									
Right-of-way			\$8,186,866									
Construction												

EXHIBIT C

CITY OF NORTH LAS VEGAS
10-YEAR CONSTRUCTION PROGRAM
Amended December 13, 2018

TOTAL PLAN	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2018 THRU 6/2023			Board Date	Amount	Amendment?	Project No.
					(Year 1) FY 18/19	(Year 2) FY 19/20	(Year 3) FY 20/21				
Unencumbered from previous year	\$27,073,776			\$913,426,313	\$49,548,970	\$237,862,133	\$43,346,964				
Cumulative Available Resources				\$853,173,969	\$21,578,296	\$38,734,826	\$26,942,905				
ENTITY RESOURCES				\$191,420,410	\$28,840,587	\$45,714,905	\$8,334,730				
Unencumbered from previous year	\$19,317,733				\$11,249,713	\$10,223,156	\$8,902,145				
Cumulative Available Resources											
ENTITY TOTAL		\$488,547,325	\$340,609,220	\$169,587,640	\$17,590,874	\$46,741,462	\$9,655,742		\$6,690,705		
HYDROGRAPHIC BASIN: RANGE		\$126,569,409	\$162,096,557	\$136,030,471	\$19,263,549	\$41,617,462	\$9,255,474		\$3,239,380		
SYSTEM: Lower Range		\$65,749,662	\$24,394,411	\$15,533,708	\$3,533,490	\$1,061,265	\$0		\$0		
PROJECT: Range Wash - Alto Conveyance, Confluence DB to Los Feliz											
Design/Admin			\$437,260		\$373,490						
Right-of-way	RWAL 0000, 0068		\$345,807	\$5,453,270		\$469,825					
Construction			\$3,126,408								
PROJECT: Orchard Collector - Charleston to Linden											
Design/Admin			\$34,705		\$210,000						
Right-of-way	SLOR 0158	Design Started 00/01	\$27,765	\$3,210,000							
Construction		Est.	\$205,629		\$3,000,000						
PROJECT: Owens Detention Basin & Outfall											
Design/Admin			\$558,925								
Right-of-way	SLWA 0130 thru 0175 & SLOW 0000, 0005		\$447,140	\$6,318,998		\$595,440					
Construction			\$3,627,758								
PROJECT: Range Wash - Sloan Channel, Stewart Bridge											
Design/Admin			\$60,043	\$951,431							
Right-of-way	RWSL 0188										
Construction			\$300,214								
SYSTEM: West Range		\$58,235,363	\$101,410,656	\$74,213,686	\$1,039,265	\$24,768,265	\$9,255,474		\$3,910,000		
PROJECT: Beltway Detention Basin & Channel											
Design/Admin	RWRR 0107 thru 0261 & RWBE 0000	Design Started 13/14	\$679,720	\$12,205,061							
Right-of-way		NLV0613	\$703,778								
Construction		Eng. Est.	\$6,002,580								
PROJECT: Nellis Storm Drain - Sloan Channel to Craig											
Design/Admin	SLNL 0000, 0064		\$1,858,202	\$25,387,595							
Right-of-way			\$1,486,562								
Construction			\$13,286,145								
PROJECT: Las Vegas Boulevard Storm Drain - Nellis to Range											
Design/Admin	SLLV 0000		\$1,643,028	\$1,568,076							
Right-of-way			\$1,314,096								
Construction			\$11,751,798								
PROJECT: Range Wash - Beltway Conveyance											
Design/Admin	RWBW 0030, RWWE 0483 & 0517		\$236,261	\$2,654,464	\$174,789		\$129,624				
Right-of-way			\$189,009		\$233,051						
Construction			\$1,689,267				\$2,317,020				
PROJECT: Vandenberg North Detention Basin, Collection & Outfall - Phase 1											
Design/Admin	RWWE 0362, 0367 thru 0439	PreDesign Started 10/11	\$552,119	\$3,765,000		\$374,000		12/13/2018	\$374,000	YES	CLA28D18
Right-of-way		NLV06E11	\$441,696								
Construction		Eng. Est.	\$3,826,386			\$3,391,000		12/13/2018	\$3,391,000	YES	CLA28D18
PROJECT: Vandenberg North Detention Basin, Collection & Outfall - Phase 2											
6th Supplement Design/Admin	RWWE 0362, 0367 thru 0439	PreDesign Started 10/11	\$1,428,097	\$21,138,255	\$125,000	\$626,000		12/13/2018	\$125,000	YES	NLV06E11
6th Supplement Right-of-way		NLV06E11	\$1,142,479		\$20,000			12/13/2018	\$20,000	YES	NLV06E11
6th Supplement Construction		Eng. Est.	\$9,826,121			\$20,367,295					
PROJECT: Beltway Collection System - Pecos											
Design/Admin	RWWE 0463 & RWBW 0000		\$657,498	\$7,295,255	\$486,425		\$360,733				
Right-of-way			\$525,956								
Construction			\$4,701,108				\$6,448,096				
SYSTEM: East Range		\$2,584,385	\$36,291,589	\$46,283,076	\$14,690,793	\$15,797,942	\$0		(\$670,620)		
PROJECT: Hollywood System, Dunes South Detention Basin to Centennial Parkway, Phase 1											
Design/Admin	RWHW 0174, 0201, 0277	Design Started 13/14	\$2,088,226	(\$1,360,000)							
Right-of-way		NLV03E13	\$1,670,581								
1st Supplement Construction		Eng. Est.	\$14,930,825					11/8/2018	(\$1,360,000)	YES	NLV03H17
PROJECT: Hollywood System, Dunes South Detention Basin to Centennial Pkwy, Ph 2											
Design/Admin	RWHW 0000, 0038, 0080, 0136, 0173	Design Started 13/14	\$1,262,687	\$15,361,413	\$181,000						
Right-of-way		NLV03E13	\$1,026,309								
Construction		Eng. Est.	\$8,843,901				\$15,180,413				
PROJECT: Range Wash - Ann Branch, Phase 2											
Design/Admin	RWAN 0000, 0050	Design started 16/17	\$1,259,809	\$9,998,188		\$671,056					
Right-of-way		NLV03F17	\$1,007,847								
Construction			\$9,007,636				\$9,327,132				
PROJECT: Hollywood System, Centennial Pkwy to Speedway #2 Detention Basin											
2nd Supplement Design/Admin	RWHW 0300, 0355, 0369, 0410, 0412	Design started 16/17	\$583,000	\$6,488,134	\$689,380	\$310,544		10/11/2018	\$689,380	YES	NLV03G17
2nd Supplement Right-of-way		NLV03G17	\$466,399								
2nd Supplement Construction			\$4,122,073				\$5,489,210				
PROJECT: Speedway North Detention Basin and Outfall											
Design/Admin	RWHW 0409, 0496, 0499, 0500		\$1,181,318	\$15,794,341							
Right-of-way			\$945,055								
Construction			\$7,657,738								

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT:
FINAL ACCOUNTING REPORTS AND PROJECT CLOSEOUTS
PETITIONER:
STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER
RECOMMENDATION OF PETITIONER:
THAT THE BOARD ACCEPT THE FINAL ACCOUNTING REPORTS AND CLOSE OUT THE INTERLOCAL CONTRACTS (FOR POSSIBLE ACTION)

FISCAL IMPACT: \$1,672,675.00 Release in Fund 4430 and/or 4440

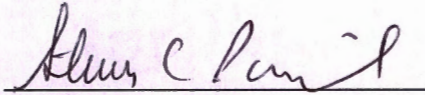
BACKGROUND:

Final accounting reports are routinely prepared for District-funded projects that have been completed. These reports represent an accurate accounting of the charges and the remaining balance for each project. Upon approval, no additional funds can be expended for the projects.

The final accounting reports have been prepared by the District and approved by the corresponding entity for the following projects:

PROJECT	NUMBER	FUND	BALANCE
Brooks Channel (construction)	NLV18H14	4430.000	\$ 36,029.07
Central Freeway Channel at Cheyenne (construction)	NLV18I16	4430.000	\$1,636,645.93
Total Fund 4430 and/or 4440			\$1,672,675.00

Respectfully submitted,



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

TAC AGENDA ITEM #06 Date: 11/29/18	RFCD AGENDA ITEM # Date: 12/13/18
CAC AGENDA ITEM #06 Date: 12/03/18	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 11/20/18

FINAL ACCOUNTING REPORTS AND PROJECT CLOSEOUTS

Final accounting reports are routinely prepared for District-funded projects that have been completed. These reports represent an accurate accounting of the charges and the remaining balance for each project. Upon approval, no additional funds can be expended for the projects.

The final accounting reports have been prepared by the District and approved by the corresponding entity for the following projects:

PROJECT	NUMBER	FUND	BALANCE
Brooks Channel (construction)	NLV18H14	4430.000	\$ 36,029.07
Central Freeway Channel at Cheyenne (construction)	NLV18I16	4430.000	\$1,636,645.93
Total – Fund 4430 and/or 4440			\$1,672,675.00

Staff Recommendation:

Accept the final accounting reports and close out the interlocal contracts.

Discussion by Technical Advisory Committee:

AGENDA
#06 Date: 11/29/18

Recommendation:

Discussion by Citizens Advisory Committee:

AGENDA
#06 Date: 12/03/18

Recommendation:

Clark County Regional Flood Control District

Final Accounting Report

Report Date 11/6/2018



CIP10268 RFCDC

Project: NLV18H14, Brooks Channel

Interlocal Value: \$4,726,000.00

Funding Category	Right of Way	Predesign	Design	Construction	Construction Mgt	Environmental	Other
Interlocal Funding Allocation	\$0.00	\$0.00	\$0.00	\$4,490,000.00	\$236,000.00	\$0.00	\$0.00
Amount Spent by Category	\$0.00	\$0.00	\$0.00	\$4,465,399.37	\$224,571.56	\$0.00	\$0.00
Remaining by Category	\$0.00	\$0.00	\$0.00	\$24,600.63	\$11,428.44	\$0.00	\$0.00

Funding / Expenditure Summary	
Interlocal Agreement:	\$4,726,000.00 ✓
Minus Amount Spent:	\$4,689,970.93 ✓
Amount to be Returned for Future Use:	\$36,029.07 ✓

ID Miles: LVBR0000, LVBR0005, LVBR0011

Concur:

Accepted and Approved:

John A. ...

 DATE *11/15/18*

[Signature]

 DATE *11-15-18*

Project Audit Report

Project: RF.NLV18H14, Brooks Channel

Status: Open

11/6/2018

Purchase Order - 4800006604 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>FY</u>	<u>Memo/Text</u>
CITY OF NORTH LAS VEGAS	6778	06/17/2015	21,920.50	RF.NLV18H14.3-1F - CONS	2015	RF.NLV18H14.3-1F Period ending 5/6/15
CITY OF NORTH LAS VEGAS	6812	07/14/2015	398,588.00	RF.NLV18H14.3-1F - CONS	2015	PERIOD MAY 30, 2015 - JUNE 26, 2015
CITY OF NORTH LAS VEGAS	6889	08/18/2015	830,767.94	RF.NLV18H14.3-1F - CONS	2016	Period 6/27/15-7/10/15
CITY OF NORTH LAS VEGAS	6956	09/17/2015	486,641.02	RF.NLV18H14.3-1F - CONS	2016	Period 7/11/15-8/7/15
CITY OF NORTH LAS VEGAS	7031	10/19/2015	429,002.00	RF.NLV18H14.3-1F - CONS	2016	Period 8/8/2015-10/02/2015
CITY OF NORTH LAS VEGAS	7079	11/16/2015	236,144.24	RF.NLV18H14.3-1F - CONS	2016	Period 10/2015
CITY OF NORTH LAS VEGAS	10268RFCDC01	01/20/2016	413,074.82	RF.NLV18H14.3-1F - CONS	2016	Period 10/31/15-01/08/15
	2016					
CITY OF NORTH LAS VEGAS	7214	02/24/2016	324,490.23	RF.NLV18H14.3-1F - CONS	2016	Period 1/1/2016-1/31/2016
CITY OF NORTH LAS VEGAS	7268	03/16/2016	712,862.69	RF.NLV18H14.3-1F - CONS	2016	Period 2/1/16 - 3/4/16
CITY OF NORTH LAS VEGAS	7329	04/21/2016	262,883.20	RF.NLV18H14.3-1F - CONS	2016	Period 3/31/16 - 4/01/16
CITY OF NORTH LAS VEGAS	7491	06/22/2016	347,788.73	RF.NLV18H14.3-1F - CONS	2016	Period 4/30/16 - 6/10/16
CITY OF NORTH LAS VEGAS	7669	08/11/2016	1,236.00	RF.NLV18H14.3-1F - CONS	2017	Period 7/1/16 - 8/5/16

WBS Total \$4,465,399.37

Purchase Order Total \$4,465,399.37

Purchase Order - 4800006604 00020

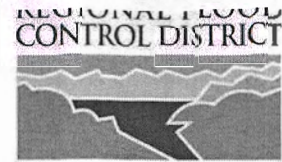
<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>FY</u>	<u>Memo/Text</u>
CITY OF NORTH LAS VEGAS	6542	03/10/2015	806.95	RF.NLV18H14.2-3 - CENG	2015	RF.NLV18H14.2-3 1/15/15 - 2/20/15
CITY OF NORTH LAS VEGAS	6610	04/13/2015	3,525.28	RF.NLV18H14.2-3 - CENG	2015	RF.NLV18H14.2-3 2/21/15 - 4/3/15
CITY OF NORTH LAS VEGAS	6688	05/14/2015	3,542.01	RF.NLV18H14.2-3 - CENG	2015	RF.NLV18H14.2-3 4/4/15 - 5/1/15
CITY OF NORTH LAS VEGAS	6778	06/17/2015	9,676.15	RF.NLV18H14.2-3 - CENG	2015	RF.NLV18H14.2-3 5/2/15 - 5/29/15
CITY OF NORTH LAS VEGAS	6812	07/14/2015	10,402.78	RF.NLV18H14.2-3 - CENG	2015	PERIOD MAY 30, 2015 - JUNE 26, 2015
CITY OF NORTH LAS VEGAS	6889	08/18/2015	5,488.39	RF.NLV18H14.2-3 - CENG	2016	Period 6/27/15-7/10/15
CITY OF NORTH LAS VEGAS	6956	09/17/2015	7,981.64	RF.NLV18H14.2-3 - CENG	2016	Period 7/11/15-8/7/15
CITY OF NORTH LAS VEGAS	7031	10/19/2015	26,899.40	RF.NLV18H14.2-3 - CENG	2016	Period 8/8/2015-10/02/2015
CITY OF NORTH LAS VEGAS	7079	11/16/2015	11,859.07	RF.NLV18H14.2-3 - CENG	2016	Period 10/2015
CITY OF NORTH LAS VEGAS	7106	12/03/2015	7,253.87	RF.NLV18H14.2-3 - CENG	2016	Period 10/31/15-11/13/15
CITY OF NORTH LAS VEGAS	10268RFCDC01	01/20/2016	29,153.63	RF.NLV18H14.2-3 - CENG	2016	Period 10/31/15-01/08/15
	2016					
CITY OF NORTH LAS VEGAS	7268	03/16/2016	15,030.25	RF.NLV18H14.2-3 - CENG	2016	Period 2/1/16 - 3/4/16
CITY OF NORTH LAS VEGAS	7213	02/16/2016	15,245.14	RF.NLV18H14.2-3 - CENG	2016	Period 12/19/15 - 2/5/16
CITY OF NORTH LAS VEGAS	7329	04/21/2016	12,197.64	RF.NLV18H14.2-3 - CENG	2016	Period 3/31/16 - 4/01/16
CITY OF NORTH LAS VEGAS	7371	05/10/2016	12,409.93	RF.NLV18H14.2-3 - CENG	2016	Period 4/2/16 - 4/29/16
CITY OF NORTH LAS VEGAS	7491	06/22/2016	19,143.09	RF.NLV18H14.2-3 - CENG	2016	Period 4/30/16 - 6/10/16
CITY OF NORTH LAS VEGAS	7532	06/30/2016	4,917.82	RF.NLV18H14.2-3 - CENG	2017	Period 6/11/16 - 6/24/16
CITY OF NORTH LAS VEGAS	7589	06/30/2016	882.79	RF.NLV18H14.2-3 - CENG	2017	Period 6/25/16 - 7/8/16

Project Audit Report

Project: RF.NLV18H14, Brooks Channel

Status: Open

11/6/2018



CITY OF NORTH LAS VEGAS	7669	08/11/2016	6,707.99	RF.NLV18H14.2-3 - CENG	2017	Period 7/1/16 - 8/5/16
CITY OF NORTH LAS VEGAS	7740	09/15/2016	2,115.27	RF.NLV18H14.2-3 - CENG	2017	Period 8/06/16 - 9/02/16
CITY OF NORTH LAS VEGAS	7792	10/17/2016	2,267.49	RF.NLV18H14.2-3 - CENG	2017	Period 9/3/16 - 9/30/16
CITY OF NORTH LAS VEGAS	7850	11/21/2016	3,292.22	RF.NLV18H14.2-3 - CENG	2017	Period 10/1/16 - 10/28/16
CITY OF NORTH LAS VEGAS	7904	12/19/2016	3,790.54	RF.NLV18H14.2-3 - CENG	2017	Period 10/29/16 - 11/25/16
CITY OF NORTH LAS VEGAS	7955	01/12/2017	7,559.97	RF.NLV18H14.2-3 - CENG	2017	Period 11/26/16-12/23/16
CITY OF NORTH LAS VEGAS	8002	02/07/2017	677.90	RF.NLV18H14.2-3 - CENG	2017	Period 12/24/16 - 1/20/17
CITY OF NORTH LAS VEGAS	8058	03/16/2017	249.00	RF.NLV18H14.2-3 - CENG	2017	Period 1/21/17 - 2/03/17
CITY OF NORTH LAS VEGAS	8281A	07/11/2017	1,398.17	RF.NLV18H14.2-3 - CENG	2017	Period 5/27/17 - 6/23/17
CITY OF NORTH LAS VEGAS	8316	06/30/2017	97.18	RF.NLV18H14.2-3 - CENG	2018	Period 6/24/17 - 7/7/17

WBS Total	\$224,571.56
Purchase Order Total	\$224,571.56

Purchase Order - none

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>FY</u>	<u>Memo/Text</u>
REGIONAL FLOOD CONTROL/TREAS	1017038337	06/30/2017	97.18	RF.NLV18H14.2-3 - CENG	2017	Manual AP - Doc 3118002819
REGIONAL FLOOD CONTROL/TREAS	1918001016	08/14/2017	(97.18)	RF.NLV18H14.2-3 - CENG	2018	Manual AP - Doc 3118002819
REGIONAL FLOOD CONTROL/TREAS	1016012396	06/30/2016	4,917.82	RF.NLV18H14.2-3 - CENG	2016	Manual AP - Doc 3117003536
REGIONAL FLOOD CONTROL/TREAS	1016012396	06/30/2016	882.79	RF.NLV18H14.2-3 - CENG	2016	Manual AP - Doc 3117004209
REGIONAL FLOOD CONTROL/TREAS	1917000867	08/18/2016	(4,917.82)	RF.NLV18H14.2-3 - CENG	2017	Manual AP - Doc 3117003536
REGIONAL FLOOD CONTROL/TREAS	1917000867	08/18/2016	(882.79)	RF.NLV18H14.2-3 - CENG	2017	Manual AP - Doc 3117004209

WBS Total	\$0.00
Purchase Order Total	\$0.00
Project Expense Total	\$4,689,970.93

Clark County Regional Flood Control District

Final Accounting Report

Report Date 11/6/2018



CIP10384 RFCDC

Project: NLV18116, Central Freeway Channel at Cheyenne

Interlocal Value: \$11,300,000.00

Funding Category	Right of Way	Predesign	Design	Construction	Construction Mgt	Environmental	Other
Interlocal Funding Allocation	\$0.00	\$0.00	\$0.00	\$10,690,000.00	\$610,000.00	\$0.00	\$0.00
Amount Spent by Category	\$0.00	\$0.00	\$0.00	\$9,289,670.05	\$373,684.02	\$0.00	\$0.00
Remaining by Category	\$0.00	\$0.00	\$0.00	\$1,400,329.95	\$236,315.98	\$0.00	\$0.00

<u>Funding / Expenditure Summary</u>	
Interlocal Agreement:	\$11,300,000.00 ✓
Minus Amount Spent:	\$9,663,354.07 ✓
Amount to be Returned for Future Use:	<u>\$1,636,645.93</u> ✓

ID Miles: LV150051

Concur:

Accepted and Approved:

John Manday 11/15/18
DATE

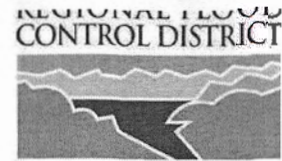
[Signature]
DATE

Project Audit Report

Project: RF.NLV18II16, Central Freeway Channel at Cheyenne

Status: Open

11/6/2018



Purchase Order - 4800008159 00010

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>FY</u>	<u>Memo/Text</u>
CITY OF NORTH LAS VEGAS	8287A	07/11/2017	1,172,748.44	RF.NLV18II16.3-1F - CONS	2017	Period 5/27/17 - 6/30/17
CITY OF NORTH LAS VEGAS	8379	08/17/2017	3,070,956.53	RF.NLV18II16.3-1F - CONS	2018	Period 7/08/17 - 7/28/17
CITY OF NORTH LAS VEGAS	8461	09/14/2017	2,522,028.25	RF.NLV18II16.3-1F - CONS	2018	Period 8/01/17 - 8/31/17
CITY OF NORTH LAS VEGAS	8560	11/09/2017	1,270,884.62	RF.NLV18II16.3-1F - CONS	2018	Period 9/29/17 - 10/31/17
CITY OF NORTH LAS VEGAS	8632	12/18/2017	423,204.91	RF.NLV18II16.3-1F - CONS	2018	Period 11/01/17 - 11/30/17
CITY OF NORTH LAS VEGAS	8680	01/22/2018	258,149.04	RF.NLV18II16.3-1F - CONS	2018	Period 11/25/17 - 12/31/17
CITY OF NORTH LAS VEGAS	8729	02/20/2018	22,929.56	RF.NLV18II16.3-1F - CONS	2018	Period 12/23/17 - 1/19/18
CITY OF NORTH LAS VEGAS	8519	10/12/2017	548,768.70	RF.NLV18II16.3-1F - CONS	2018	Period 9/01/17 - 9/30/17
WBS Total			\$9,289,670.05			
Purchase Order Total			\$9,289,670.05			

Purchase Order - 4800008159 00020

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>FY</u>	<u>Memo/Text</u>
CITY OF NORTH LAS VEGAS	8287A	07/11/2017	4,822.09	RF.NLV18II16.2-3 - CENG	2017	Period 5/27/17 - 6/30/17
CITY OF NORTH LAS VEGAS	8321A	06/30/2017	10,448.18	RF.NLV18II16.2-3 - CENG	2018	Period 6/24/17 - 7/7/17
CITY OF NORTH LAS VEGAS	8321B	07/20/2017	5,542.73	RF.NLV18II16.2-3 - CENG	2018	Period 6/24/17 - 7/7/17
CITY OF NORTH LAS VEGAS	8379	08/17/2017	13,413.58	RF.NLV18II16.2-3 - CENG	2018	Period 7/08/17 - 7/28/17
CITY OF NORTH LAS VEGAS	8410	08/29/2017	45,192.30	RF.NLV18II16.2-3 - CENG	2018	Period 7/8/17 - 8/18/17
CITY OF NORTH LAS VEGAS	8461	09/14/2017	27,780.44	RF.NLV18II16.2-3 - CENG	2018	Period 8/19/17 - 9/01/17
CITY OF NORTH LAS VEGAS	8560	11/09/2017	49,181.31	RF.NLV18II16.2-3 - CENG	2018	Period 9/29/17 - 10/31/17
CITY OF NORTH LAS VEGAS	8632	12/18/2017	43,944.62	RF.NLV18II16.2-3 - CENG	2018	Period 10/28/17 - 11/24/17
CITY OF NORTH LAS VEGAS	8680	01/22/2018	49,409.88	RF.NLV18II16.2-3 - CENG	2018	Period 11/25/17 - 12/31/17
CITY OF NORTH LAS VEGAS	8729	02/20/2018	26,084.37	RF.NLV18II16.2-3 - CENG	2018	Period 12/23/17 - 1/19/18
CITY OF NORTH LAS VEGAS	8778A	03/15/2018	27,409.16	RF.NLV18II16.2-3 - CENG	2018	Period 1/20/18 - 3/02/18
CITY OF NORTH LAS VEGAS	8830	04/17/2018	17,487.80	RF.NLV18II16.2-3 - CENG	2018	Period 3/03/18 - 3/30/18
CITY OF NORTH LAS VEGAS	8917	05/15/2018	9,198.65	RF.NLV18II16.2-3 - CENG	2018	Period 3/31/18 - 4/27/18
CITY OF NORTH LAS VEGAS	8981	06/18/2018	3,757.40	RF.NLV18II16.2-3 - CENG	2018	Period 4/28/18 - 6/08/18
CITY OF NORTH LAS VEGAS	9026	07/10/2018	2,034.86	RF.NLV18II16.2-3 - CENG	2018	Period 6/09/18 - 6/22/18
CITY OF NORTH LAS VEGAS	9052	07/23/2018	1,813.72	RF.NLV18II16.2-3 - CENG	2019	Period 6/23/18 - 7/6/18
CITY OF NORTH LAS VEGAS	8519	10/12/2017	36,162.93	RF.NLV18II16.2-3 - CENG	2018	Period 9/01/17 - 9/30/17
WBS Total			\$373,684.02			
Purchase Order Total			\$373,684.02			

Purchase Order - none

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>FY</u>	<u>Memo/Text</u>
REGIONAL FLOOD CONTROL/TREAS	1017038337	06/30/2017	10,448.18	RF.NLV18II16.2-3 - CENG	2017	Manual AP - Doc 3118002826

Project Audit Report

Project: RF.NLV18I16, Central Freeway Channel at Cheyenne

Status: Open

11/6/2018



REGIONAL FLOOD CONTROL/TREAS 1918001016

08/14/2017

(10,448.18)

RF.NLV18I16.2-3 - CENG

2018 Manual AP - Doc 3118002826

WBS Total	<u>\$0.00</u>
Purchase Order Total	<u>\$0.00</u>
Project Expense Total	<u>\$9,663,354.07</u> ✓

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT:
MAINTENANCE WORK PROGRAM (MWP) – FIRST QUARTER FISCAL YEAR 2018-19 STATUS REPORTS
PETITIONER:
STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER
RECOMMENDATION OF PETITIONER:
RECEIVE THE MAINTENANCE WORK PROGRAM FIRST QUARTER FISCAL YEAR 2018-19 STATUS REPORTS AS SUBMITTED BY THE ENTITIES (FOR POSSIBLE ACTION)

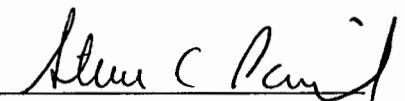
FISCAL IMPACT: None.

BACKGROUND: In accordance with the Board’s direction, the entities have submitted the First Quarter Status Reports for the FY 2018-19 Maintenance Work Program (MWP). The reports indicate the status of work completed under the program through September 30, 2018, although the figures below represent only those expenses which have been submitted to the District for payment.

Below is a summary, by entity, of the First Quarter Maintenance Work Program expenditures and the funding balance available by each Interlocal Contract for Fiscal Year 2018-19.

	FY 2018-19 Budget	Amount Spent	Funds Available
Boulder City	\$ 300,000.00	\$ 0.00	\$ 300,000.00
Clark County	6,991,700.00	47,944.16	6,943,755.84
Henderson	2,038,000.00	269,242.93	1,768,757.07
Las Vegas	2,825,000.00	48,453.90	2,776,546.10
Mesquite	444,800.00	0.00	444,800.00
North Las Vegas	1,717,500.00	287,325.52	1,430,174.48
Totals	\$14,317,000.00	\$652,966.51	\$13,664,033.49

Respectfully submitted,


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

TAC AGENDA ITEM # 07 Date: 11/29/18	RFCD AGENDA ITEM #08 Date: 11/08/18
CAC AGENDA ITEM # 07 Date: 12/03/18	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 10/30/18

**MAINTENANCE WORK PROGRAM
FIRST QUARTER FISCAL YEAR 2018-19 STATUS REPORTS**

In accordance with the Board's direction, the entities have submitted the First Quarter Status Reports for the FY 2018-19 Maintenance Work Program (MWP). The reports indicate the status of work completed under the program through September 30, 2018, although the figures below represent only those expenses which have been submitted to the District for payment.

Below is a summary, by entity, of the First Quarter Maintenance Work Program expenditures and the funding balance available by each Interlocal Contract for Fiscal Year 2018-19.

	FY 2018-19 Budget	Amount Spent	Funds Available
Boulder City	\$ 300,000.00	\$ 0.00	\$ 300,000.00
Clark County	6,991,700.00	47,944.16	6,943,755.84
Henderson	2,038,000.00	269,242.93	1,768,757.07
Las Vegas	2,825,000.00	48,453.90	2,776,546.10
Mesquite	444,800.00	0.00	444,800.00
North Las Vegas	1,717,500.00	287,325.52	1,430,174.48
Totals	\$14,317,000.00	\$652,966.51	\$13,664,033.49

Staff Recommendation:

Accept the reports.

Discussion by Technical Advisory Committee:

AGENDA
#07 Date: 11/29/18

Recommendation:

Discussion by Citizens Advisory Committee:

AGENDA
#07 Date: 12/03/18

Recommendation:

REGIONAL FLOOD CONTROL DISTRICT
 MAINTENANCE WORK PROGRAM
 QUARTERLY STATUS REPORT FY 2018-2019

MWP Facility #: **BC01**
 Facility Name: **Hemenway Watershed**

Entity: **City of Boulder City**
 Date Prepared: _____
 Quarter: **1st**

MP Facility ID: **HMFL - 0000, HMKY - 0000, 0019, HMLM - 0000, 0001, 0002, 0003, 0025, 0027, 0040, 0044, 0064, 0065, 0066, 0077, 0080, 0081, 0082, 0085, 0096, HMLV - 0000, 0001, 0003, 0005, 0006, 0018, 0019, 0031, 0055, 0060, 0065, HNMH - 0000, 0001, HMPC - 0000, 0011, 0018, 0026, HMRB - 0000, HMTH - 0000, 0025, 0026, 0027, 0033, 0034, 0040, 0041, 0054, 0064, 0076, HMYL - 0000, 0001, 0002, 0003, 0004, 0015, 0022, 0027, 0028, 0030, 0041, 0042, 0058, 0064, 0065, 0066, 0074, 0088, HMWA - 0000, 0004, 005, 0012, 0013, 0068, 0069, 0103, 0104, 0105, 0126, 0127, 0147, 0148, 0154, 0155, 0156, 0157, 0158, 0160, 0172, 0173, 0175, 0176, 0178, 0181, 0182, 0184, 0185**

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00	500.00	0.00	0%	Jun-19
	5 Inspect Channels	500.00	500.00	0.00	0%	Jun-19
	6 Inspect Levees/Detention and Debris Basins	500.00	500.00	0.00	0%	Jun-19
	8 Species Survey and Removal	0.00	0.00	0.00	#DIV/0!	Jun-19
	10 Clean and Reshape Channels/Levees	5,000.00	5,000.00	980.68	20%	Jun-19
	15 Repair Lined Channel	2,000.00	2,000.00	0.00	0%	Jun-19
	20 Erosion Control and Repair	1,300.00	1,300.00	0.00	0%	Jun-19
	21 Provide/Maintain Dust Control	500.00	500.00	0.00	0%	Jun-19
	25 Clean Detention Debris Basins	5,000.00	5,000.00	0.00	0%	Jun-19
	35 Fence Repair	1,000.00	1,000.00	0.00	0%	Jun-19
	40 Vegetation Control - Chemical	3,000.00	3,000.00	1,580.81	53%	Jun-19
	45 Vegetation Control - Mechanical	69,000.00	69,000.00	20,719.81	30%	Jun-19
	50 Maintain Access Road	2,000.00	2,000.00	0.00	0%	Jun-19
	55 Clean & Inspect Inlet/Outlet Structures	2,500.00	2,500.00	1,336.79	53%	Jun-19
	60 Repair Inlet/Outlet Structures	1,200.00	1,200.00	0.00	0%	Jun-19
	65 Clean Storm Sewer Lines	500.00	500.00	0.00	0%	Jun-19
	70 Storm Sewer Repair	0.00	0.00	0.00	#DIV/0!	Jun-19
	75 Clean/Flush Culverts & Bridges	500.00	500.00	0.00	0%	Jun-19
	80 Miscellaneous Work Activities	50,000.00	50,000.00	8,294.63	17%	Jun-19
	85 Engineering	37,000.00	37,000.00	0.00	0%	Jun-19
	90 Homeless Encampment Cleanup	0.00	0.00	0.00	#DIV/0!	Jun-19
	TOTALS	\$182,000.00	\$182,000.00	\$32,912.72	18%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Consultant/ Contractor: _____
 Project Manager: *Jim Keane* Phone Number: 702-303-3008

REGIONAL FLOOD CONTROL DISTRICT
 MAINTENANCE WORK PROGRAM
 QUARTERLY STATUS REPORT FY 2018-2019

MWP Facility #: **BC02**

Facility Name: **Georgia/Buchanan Watershed**

MP Facility ID: **GBAP - 0000, 0001, 0047, 0048, 0049, 0087, 0114, GBBC - 0001, 0002, 0003, 0030, 0031, 0047, 0048, 0062, 0063, 0108, 0109, 0110, 0146, 0148, 0149, 0150, 0151, 0152, 0153, 0155, 0172, GBCM - 0000, 0004, 0011, GBGR - 0000, 0001, 0002, 0036, 0040, 0100, 0111, 0112, 0130, 0131, 0188, 0203, 0215, 0217**

Entity: **City of Boulder City**

Date Prepared: _____

Quarter: **1st**

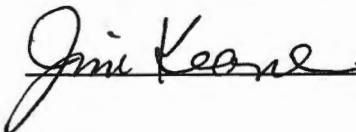
Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00	500.00	0.00	0%	Jun-19
	5 Inspect Channels	500.00	500.00	0.00	0%	Jun-19
	6 Inspect Levees/Detention and Debris Basins	0.00	0.00	0.00	#DIV/0!	Jun-19
	8 Species Survey and Removal	0.00	0.00	0.00	#DIV/0!	Jun-19
	10 Clean and Reshape Channels/Levees	18,000.00	18,000.00	0.00	0%	Jun-19
	15 Repair Lined Channel	15,000.00	15,000.00	0.00	0%	Jun-19
	20 Erosion Control and Repair	9,000.00	9,000.00	0.00	0%	Jun-19
	21 Provide/Maintain Dust Control	500.00	500.00	0.00	0%	Jun-19
	25 Clean Detention Debris Basins	0.00	0.00	0.00	#DIV/0!	Jun-19
	35 Fence Repair	500.00	500.00	0.00	0%	Jun-19
	40 Vegetation Control - Chemical	500.00	500.00	0.00	0%	Jun-19
	45 Vegetation Control - Mechanical	10,000.00	10,000.00	0.00	0%	Jun-19
	50 Maintain Access Road	500.00	500.00	0.00	0%	Jun-19
	55 Clean & Inspect Inlet/Outlet Structures	2,000.00	2,000.00	0.00	0%	Jun-19
	60 Repair Inlet/Outlet Structures	1,000.00	1,000.00	0.00	0%	Jun-19
	65 Clean Storm Sewer Lines	1,000.00	1,000.00	0.00	0%	Jun-19
	70 Storm Sewer Repair	1,000.00	1,000.00	0.00	0%	Jun-19
	75 Clean/Flush Culverts & Bridges	2,000.00	2,000.00	0.00	0%	Jun-19
	80 Miscellaneous Work Activities	2,000.00	2,000.00	0.00	0%	Jun-19
	85 Engineering	1,000.00	1,000.00	0.00	0%	Jun-19
	90 Homeless Encampment Cleanup	0.00	\$0.00	0.00	#DIV/0!	Jun-19
	TOTALS	\$ 65,000.00	\$65,000.00	\$0.00	0%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Consultant/
 Contractor:
 Project
 Manager:



Phone Number: **702-303-3008**

REGIONAL FLOOD CONTROL DISTRICT
 MAINTENANCE WORK PROGRAM
 QUARTERLY STATUS REPORT FY 2018-2019

MWP Facility #: **BC03**
 Facility Name: **North Railroad Watershed**
 MP Facility ID: **NRBL - 0000, 0091, 0092, 0093, 0094, 0095, 0096, NRCN - 0000, NRIN - 0000, 0003, 0004, 0013, 0017, 0025, 0032, 0038, 0040, 0044, 0052, 0053, 0055, 0056, 0063, 0064, 0065, 0066, 0067, 0068, 0069, 0070, 0071, 0087, 0135, NRRR 0000, 0049, 0050, 0070, 0089,**

Entity: **City of Boulder City**
 Date Prepared: _____
 Quarter: **1st**

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	450.00	450.00	0.00	0%	Jun-19
	5 Inspect Channels	100.00	100.00	0.00	0%	Jun-19
	6 Inspect Levees/Detention and Debris Basins	100.00	100.00	0.00	0%	Jun-19
	8 Species Survey and Removal	0.00	0.00	0.00	#DIV/0!	Jun-19
	10 Clean and Reshape Channels/Levees	1,500.00	1,500.00	0.00	0%	Jun-19
	15 Repair Lined Channel	100.00	100.00	0.00	0%	Jun-19
	20 Erosion Control and Repair	5,000.00	4,500.00	1,775.94	39%	Jun-19
	21 Provide/Maintain Dust Control	100.00	100.00	0.00	0%	Jun-19
	25 Clean Detention Debris Basins	5,000.00	2,800.00	0.00	0%	Jun-19
	35 Fence Repair	150.00	150.00	0.00	0%	Jun-19
	40 Vegetation Control - Chemical	1,000.00	1,000.00	0.00	0%	Jun-19
	45 Vegetation Control - Mechanical	1,000.00	4,500.00	4,367.03	97%	Jun-19
	50 Maintain Access Road	500.00	500.00	0.00	0%	Jun-19
	55 Clean & Inspect Inlet/Outlet Structures	1,000.00	1,000.00	239.79	24%	Jun-19
	60 Repair Inlet/Outlet Structures	500.00	700.00	662.26	95%	Jun-19
	65 Clean Storm Sewer Lines	500.00	500.00	0.00	0%	Jun-19
	70 Storm Sewer Repair	\$0.00	0.00	0.00	#DIV/0!	Jun-19
	75 Clean/Flush Culverts & Bridges	500.00	500.00	0.00	0%	Jun-19
	80 Miscellaneous Work Activities	2,000.00	1,000.00	278.45	28%	Jun-19
	85 Engineering	500.00	500.00	0.00	0%	Jun-19
	90 Homeless Encampment Cleanup	\$0.00	0.00	0.00	#DIV/0!	Jun-19
	TOTALS	\$20,000.00	\$20,000.00	\$7,323.47	37%	

Delays or problem areas:

 Work completed during current quarter:

 Work to be completed during next quarter:

Consultant/
 Contractor:
 Project
 Manager: *Jim Keane* Phone Number: 702-303-3008

REGIONAL FLOOD CONTROL DISTRICT
 MAINTENANCE WORK PROGRAM
 QUARTERLY STATUS REPORT FY 2018-2019

MWP Facility #: **BC04**

Facility Name: **West Airport Watershed**

MP Facility ID: **WAAD - 0000, 0043, 0046, 0063, 0064, 0085, 0086, 0094, 0106, 0122,
 WAAP - 0035, 0111, 0171, WABB - 0071, WADD - 0167, WAGN - 0000,
 0015, 0020, WAGR - 0000, 0034, WARM - 0000,**

Entity: **City of Boulder City**

Date Prepared: _____

Quarter: **1st**

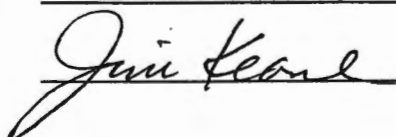
Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	500.00	500.00	0.00	0%	Jun-19
	5 Inspect Channels	500.00	500.00	0.00	0%	Jun-19
	6 Inspect Levees/Detention and Debris Basins	0.00	0.00	0.00	#DIV/0!	Jun-19
	8 Species Survey and Removal	0.00	0.00	0.00	#DIV/0!	Jun-19
	10 Clean and Reshape Channels/Levees	500.00	500.00	0.00	0%	Jun-19
	15 Repair Lined Channel	20,000.00	20,000.00	0.00	0%	Jun-19
	20 Erosion Control and Repair	2,000.00	2,000.00	0.00	0%	Jun-19
	21 Provide/Maintain Dust Control	500.00	500.00	0.00	0%	Jun-19
	25 Clean Detention Debris Basins	500.00	500.00	0.00	0%	Jun-19
	35 Fence Repair	500.00	500.00	0.00	0%	Jun-19
	40 Vegetation Control - Chemical	2,000.00	2,000.00	0.00	0%	Jun-19
	45 Vegetation Control - Mechanical	3,000.00	3,000.00	938.32	31%	Jun-19
	50 Maintain Access Road	500.00	500.00	0.00	0%	Jun-19
	55 Clean & Inspect Inlet/Outlet Structures	500.00	500.00	0.00	0%	Jun-19
	60 Repair Inlet/Outlet Structures	500.00	500.00	0.00	0%	Jun-19
	65 Clean Storm Sewer Lines	0.00	0.00	0.00	#DIV/0!	Jun-19
	70 Storm Sewer Repair	0.00	0.00	0.00	#DIV/0!	Jun-19
	75 Clean/Flush Culverts & Bridges	500.00	500.00	0.00	0%	Jun-19
	80 Miscellaneous Work Activities	500.00	500.00	0.00	0%	Jun-19
	85 Engineering	500.00	500.00	0.00	0%	Jun-19
	90 Homeless Encampment Cleanup	0.00	0.00	0.00	#DIV/0!	Jun-19
	TOTALS	\$33,000.00	\$33,000.00	\$938.32	3%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Consultant/
 Contractor:
 Project
 Manager:



Phone Number: **702-303-3008**

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 01
 Facility Name: Flamingo Wash
 MP Facility ID: F1FA 0000-0004 F2NB 0000-0048 F301 0000-0007
 MP Facility ID: F401 0000-0003 FLBF 0046-0328 FLBN 0001-0033 FLDI 0000-0105
 MP Facility ID: FLDN 0000-0160 FLDR 0000-0179 FLDS 0000-0750 FLF1 0000-0304
 MP Facility ID: FLF2 0000-0137 FLF3 0000-0198, FLF4 0000-0355 FLFA 0000-0037 FLCM 0000
 MP Facility ID: FLFL 0000-0147 FLHA 0000 FLJO 0000-0076 FLOQ 0000-0050 FLRB 0000-0062
 MP Facility ID: FLRO 0000 FLSB 0000-0128 FLSM 0000-0180 FLSP 0000 FLTR 0000-0347
 MP Facility ID: FLWA 0001-1443 RRWB 0000 RRFA 0000-0143 RRFC 0000 RRHU 0000-0129
 MP Facility ID: RRNA 0000-0097 RRNN 0000-0022 RRNS 0000-0010 RRR4 0000-0160

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$10,000.00	\$10,000.00	\$0.00		
	5 Inspect Channels	\$15,000.00	\$15,000.00	\$4,275.83		
	6 Inspect Levees, Deten/Debris Basins	\$30,000.00	\$30,000.00	\$1,973.94		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$60,000.00	\$60,000.00	\$5,990.88		
	15 Repair Lined Channel	\$20,000.00	\$20,000.00	\$0.00		
	20 Erosion Control and Repair	\$10,000.00	\$10,000.00	\$0.00		
	21 Provide/Maintain Dust Control	\$100,000.00	\$100,000.00	\$0.00		
	25 Clean Detention/Debris Basins	\$150,000.00	\$150,000.00	\$0.00		
	35 Fence Repair	\$20,000.00	\$20,000.00	\$2,588.14		
	40 Vegetation Control - Chemical	\$20,000.00	\$20,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$5,000.00	\$30,000.00	\$14,259.31		
	50 Maintain Access Road	\$5,000.00	\$5,000.00	\$1,667.49		
	55 Clean & Inspect Inlet/Outlet Structures	\$20,000.00	\$20,000.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$2,500.00	\$2,500.00	\$0.00		
	65 Clean Storm Sewer Lines	\$5,000.00	\$5,000.00	\$0.00		
	70 Storm Sewer Line Repair	\$5,000.00	\$5,000.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$4,000.00	\$4,000.00	\$0.00		
	80 Miscellaneous Work Activities	\$400,000.00	\$200,000.00	\$11,034.02		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$175,000.00	\$30,286.49		
	TOTALS	\$881,500.00	\$881,500.00	\$72,076.10	8%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Clean, Inspect & Repairs to 3 Detention/Debris Basins. General cleaning of channels
 Channel maintenance contract adjacent to beltway. Contract for the removal of silt from Red Rock Detention Basin.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako

Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 02
 Facility Name: Las Vegas Wash
 MP Facility ID: LVMD 0675-0169, 1355
 MP Facility ID: COLM 0000
 MP Facility ID: NLWY 0000-0030
 MP Facility ID: LV01 0000-0116
 MP Facility ID: LVCO 0000-0109
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$3,500.00	\$3,500.00	\$0.00		
	5 Inspect Channels	\$5,000.00	\$5,000.00	\$721.22		
	6 Inspect Levees, Deten/Debris Basins	\$0.00	\$0.00	\$0.00		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$200,000.00	\$200,000.00	\$0.00		
	15 Repair Lined Channel	\$2,500.00	\$2,500.00	\$0.00		
	20 Erosion Control and Repair	\$45,000.00	\$45,000.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$0.00	\$0.00	\$0.00		
	35 Fence Repair	\$2,000.00	\$2,000.00	\$0.00		
	40 Vegetation Control - Chemical	\$10,000.00	\$10,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$25,000.00	\$25,000.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$15,000.00	\$15,000.00	\$6,359.15		
	85 Engineering	\$5,000.00	\$5,000.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$0.00	\$0.00		
	TOTALS	\$313,000.00	\$313,000.00	\$7,080.37	2%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Misc. maintenance of channels. Vegetation control south of Vegas Valley.
 Maintenance work done by SNWA for weirs along the Las Vegas Wash Wetland area.

Consultant/ Contractor: _____
 Project Manager: Dwayne Ako Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 03
 Facility Name: Duck Creek
 MP Facility ID: BDW5 0000-0025 DC95 0000-0038 DCBD 000-0081, 0176-0273
 MP Facility ID: DCCA 0000-0078 DCCD 0000 DCGL 0000-0086, 0106, 0112, 0138-0179
 MP Facility ID: DCHV 0000-0012 DC11 0000-0031, DCLB 0000 DCPA 0000-0106
 MP Facility ID: DCPI 0000-0032 DCRB 0015 DCSH 0000-0017 DCW1 0000-0132
 MP Facility ID: DCW4 0364-0557, 0665-0786, 0940-0971, DCW5 0000-0059
 MP Facility ID: DCWA 0000-0597, 0702-1657 DCWB 0000-0086 DCWF 0000-0061

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$5,000.00	\$5,000.00	\$0.00		
	5 Inspect Channels	\$5,000.00	\$5,000.00	\$2,301.61		
	6 Inspect Levees, Deten/Debris Basins	\$20,000.00	\$20,000.00	\$1,022.42		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$120,000.00	\$120,000.00	\$64,551.30		
	15 Repair Lined Channel	\$5,000.00	\$5,000.00	\$0.00		
	20 Erosion Control and Repair	\$30,000.00	\$30,000.00	\$0.00		
	21 Provide/Maintain Dust Control	\$75,000.00	\$75,000.00	\$13,413.75		
	25 Clean Detention/Debris Basins	\$15,000.00	\$15,000.00	\$0.00		
	35 Fence Repair	\$8,000.00	\$8,000.00	\$1,324.88		
	40 Vegetation Control - Chemical	\$10,000.00	\$10,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$55,000.00	\$55,000.00	\$0.00		
	50 Maintain Access Road	\$5,000.00	\$5,000.00	\$262.56		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$2,500.00	\$2,500.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$100,000.00	\$50,000.00	\$19,492.48		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$50,000.00	\$13,098.48		
	TOTALS	\$455,500.00	\$455,500.00	\$115,467.48	25%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:
 Misc. maintenance and cleaning of channels

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 05
 Facility Name: Las Vegas Range Wash
 MP Facility ID: RWSL 0000-0728, RWWE 0016-0055
 MP Facility ID: SLBN 0000 FLCH 0000
 MP Facility ID: SLEB 0000-0098 SLER 0000-0086
 MP Facility ID: SLLM 0000 SLNL 0095
 MP Facility ID: SLOR 0000-0148 SLST 0000-0095
 MP Facility ID: SLWA 0000-0091
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$2,000.00	\$2,000.00	\$0.00		
	5 Inspect Channels	\$5,000.00	\$5,000.00	\$1,708.14		
	6 Inspect Levees, Deten/Debris Basins	\$8,000.00	\$8,000.00	\$455.52		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$40,000.00	\$40,000.00	\$20,260.92		
	15 Repair Lined Channel	\$2,000,000.00	\$2,000,000.00	\$0.00		
	20 Erosion Control and Repair	\$0.00	\$0.00	\$0.00		
	21 Provide/Maintain Dust Control	\$50,000.00	\$50,000.00	\$0.00		
	25 Clean Detention/Debris Basins	\$10,000.00	\$10,000.00	\$0.00		
	35 Fence Repair	\$10,000.00	\$10,000.00	\$2,431.72		
	40 Vegetation Control - Chemical	\$9,000.00	\$9,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$5,000.00	\$5,000.00	\$0.00		
	50 Maintain Access Road	\$2,500.00	\$2,500.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$85,000.00	\$50,000.00	\$24,050.20		
	85 Engineering	\$383,000.00	\$383,000.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$35,000.00	\$3,604.45		
	TOTALS	\$2,609,500.00	\$2,609,500.00	\$52,510.95	2%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Clean, Inspect & Repairs to 1 Detention Basin.
 Misc. maintenance and cleaning of channels.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 06
 Facility Name: Tropicana Wash
 MP Facility ID: TRWA 0000-0454 BDBF 0000-0006 BDFW 0000
 MP Facility ID: BDMO 0000-0010 BDRB 0000-0118
 MP Facility ID: BDRR 0000 BDWS 0000-0007
 MP Facility ID: NBSC 0000 RBMO 0000-0045
 MP Facility ID: TRBD 0000-0930 TRNB 0000-0113
 MP Facility ID: BDMD 0121 BDJO 0000-0061

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$2,000.00	\$2,000.00	\$0.00		
	5 Inspect Channels	\$3,000.00	\$3,000.00	\$404.09		
	6 Inspect Levees, Deten/Debris Basins	\$15,000.00	\$15,000.00	\$1,136.31		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$15,000.00	\$15,000.00	\$9,051.29		
	15 Repair Lined Channel	\$10,000.00	\$10,000.00	\$0.00		
	20 Erosion Control and Repair	\$5,000.00	\$5,000.00	\$0.00		
	21 Provide/Maintain Dust Control	\$50,000.00	\$50,000.00	\$1,681.55		
	25 Clean Detention/Debris Basins	\$60,000.00	\$60,000.00	\$0.00		
	35 Fence Repair	\$10,000.00	\$10,000.00	\$932.17		
	40 Vegetation Control - Chemical	\$5,000.00	\$5,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$5,000.00	\$5,000.00	\$0.00		
	50 Maintain Access Road	\$5,000.00	\$5,000.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$5,000.00	\$5,000.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$75,000.00	\$50,000.00	\$9,316.12		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$25,000.00	\$1,475.33		
	TOTALS	\$265,000.00	\$265,000.00	\$23,996.86	9%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:
 Misc. work contract maintenance adjacent to beltway.
 Channel Inspection, vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 07
 Facility Name: Airport Channel
 MP Facility ID: TRMC 0000-0060, 0195-0290
 MP Facility ID: WGTR 0058-0180
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$1,500.00	\$1,500.00	\$0.00		
	5 Inspect Channels	\$1,500.00	\$1,500.00	\$151.84		
	6 Inspect Levees, Deten/Debris Basins	\$0.00	\$0.00	\$0.00		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$7,000.00	\$7,000.00	\$0.00		
	15 Repair Lined Channel	\$10,000.00	\$10,000.00	\$0.00		
	20 Erosion Control and Repair	\$0.00	\$0.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$0.00	\$0.00	\$0.00		
	35 Fence Repair	\$3,000.00	\$3,000.00	\$0.00		
	40 Vegetation Control - Chemical	\$1,000.00	\$1,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$2,500.00	\$2,500.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$2,000.00	\$2,000.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$20,000.00	\$10,000.00	\$1,967.18		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$10,000.00	\$6,519.67		
	TOTALS	\$48,500.00	\$48,500.00	\$8,638.69	18%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:
 Channel Inspection and debris removal; vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako

Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 08
 Facility Name: Monson Channel
 MP Facility ID: LV02 0000-0303
 MP Facility ID: NLFL 0000-0144
 MP Facility ID: VBTW 0000
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$1,200.00	\$1,200.00	\$0.00		
	5 Inspect Channels	\$1,500.00	\$1,500.00	\$37.97		
	6 Inspect Levees, Deten/Debris Basins	\$0.00	\$0.00	\$0.00		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$7,500.00	\$7,500.00	\$0.00		
	15 Repair Lined Channel	\$1,800,000.00	\$1,800,000.00	\$0.00		
	20 Erosion Control and Repair	\$0.00	\$0.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$0.00	\$0.00	\$0.00		
	35 Fence Repair	\$1,500.00	\$1,500.00	\$0.00		
	40 Vegetation Control - Chemical	\$3,000.00	\$3,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$20,000.00	\$20,000.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$10,000.00	\$10,000.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$10,000.00	\$10,000.00	\$120.82		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$0.00	\$0.00		
	TOTALS	\$1,854,700.00	\$1,854,700.00	\$158.79	0%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:
 Channel inspection, vegetation control and other work as assigned.

Consultant/ Contractor: _____
 Project Manager: Dwayne Ako Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 09
 Facility Name: Rawhide Channel
 MP Facility ID: DCRH 0000-0305
 MP Facility ID: MCE2 0000
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$1,000.00	\$1,000.00	\$0.00		
	5 Inspect Channels	\$2,500.00	\$2,500.00	\$379.61		
	6 Inspect Levees, Deten/Debris Basins	\$0.00	\$0.00	\$0.00		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$5,000.00	\$5,000.00	\$0.00		
	15 Repair Lined Channel	\$0.00	\$0.00	\$0.00		
	20 Erosion Control and Repair	\$0.00	\$0.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$0.00	\$0.00	\$0.00		
	35 Fence Repair	\$10,000.00	\$10,000.00	\$0.00		
	40 Vegetation Control - Chemical	\$2,000.00	\$2,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$2,000.00	\$2,000.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$1,000.00	\$1,000.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$40,000.00	\$40,000.00	\$80.81		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$0.00	\$0.00		
	TOTALS	\$63,500.00	\$63,500.00	\$460.42	1%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:
 Channel Inspection, vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 10
 Facility Name: Van Buskirk Channel
 MP Facility ID: VBCH 0000-0138
 MP Facility ID: VBMC 0000-0249
 MP Facility ID: VBTM 0000-0174
 MP Facility ID: VBVR 0000-0050
 MP Facility ID: _____
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$2,000.00	\$2,000.00	\$0.00		
	5 Inspect Channels	\$2,000.00	\$2,000.00	\$189.81		
	6 Inspect Levees, Deten/Debris Basins	\$2,000.00	\$2,000.00	\$227.76		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$0.00	\$0.00	\$0.00		
	15 Repair Lined Channel	\$0.00	\$0.00	\$0.00		
	20 Erosion Control and Repair	\$0.00	\$0.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$2,000.00	\$2,000.00	\$0.00		
	35 Fence Repair	\$3,000.00	\$3,000.00	\$0.00		
	40 Vegetation Control - Chemical	\$1,000.00	\$1,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$0.00	\$0.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$25,000.00	\$10,000.00	\$3,855.61		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$15,000.00	\$4,387.58		
	TOTALS	\$37,000.00	\$37,000.00	\$8,660.76	23%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Channel Inspection, vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako

Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 11
 Facility Name: Flamingo Wash North Fork
 MP Facility ID: FLDY 0000-0013
 MP Facility ID: FLLA 0000-0379
 MP Facility ID: FLMN 0000-0075
 MP Facility ID: FLMS 0000
 MP Facility ID: _____
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$2,500.00	\$2,500.00	\$0.00		
	5 Inspect Channels	\$2,500.00	\$2,500.00	\$189.81		
	6 Inspect Levees, Deten/Debris Basins	\$2,000.00	\$2,000.00	\$75.92		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$5,000.00	\$5,000.00	\$0.00		
	15 Repair Lined Channel	\$0.00	\$0.00	\$0.00		
	20 Erosion Control and Repair	\$0.00	\$0.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$5,000.00	\$5,000.00	\$0.00		
	35 Fence Repair	\$1,500.00	\$1,500.00	\$860.30		
	40 Vegetation Control - Chemical	\$1,500.00	\$1,500.00	\$0.00		
	45 Vegetation Control - Mechanical	\$0.00	\$0.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$5,000.00	\$5,000.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$20,000.00	\$20,000.00	\$3,527.24		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$0.00	\$0.00		
	TOTALS	\$45,000.00	\$45,000.00	\$4,653.27	10%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Channel Inspection, vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako

Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 14
 Facility Name: Laughlin Washes
 MP Facility ID: LUBC 0000-0010, 0324
 MP Facility ID: LUED 0000-0008
 MP Facility ID: LUHS 0000-0242, 0250
 MP Facility ID: LUMA 0023-0060
 MP Facility ID: LUJW 0000-0150
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$1,000.00	\$1,000.00	\$0.00		
	5 Inspect Channels	\$1,500.00	\$1,500.00	\$0.00		
	6 Inspect Levees, Deten/Debris Basins	\$7,000.00	\$7,000.00	\$0.00		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$0.00	\$0.00	\$0.00		
	15 Repair Lined Channel	\$8,000.00	\$8,000.00	\$0.00		
	20 Erosion Control and Repair	\$0.00	\$0.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$10,000.00	\$10,000.00	\$0.00		
	35 Fence Repair	\$2,000.00	\$2,000.00	\$0.00		
	40 Vegetation Control - Chemical	\$1,500.00	\$1,500.00	\$0.00		
	45 Vegetation Control - Mechanical	\$1,500.00	\$1,500.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$5,000.00	\$5,000.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$2,000.00	\$2,000.00	\$75.45		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$0.00	\$0.00		
	TOTALS	\$39,500.00	\$39,500.00	\$75.45	0%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Sediment removal from basin area upstream of LUED0008.
 Channel Inspection, vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako

Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 15
 Facility Name: Moapa Valley
 MP Facility ID: LWAW 0000
 MP Facility ID: GASD 0000-0058
 MP Facility ID: MRLV 0343-0537, 0725
 MP Facility ID: MRLI 0001-0038
 MP Facility ID: _____
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$1,000.00	\$1,000.00	\$0.00		
	5 Inspect Channels	\$2,500.00	\$2,500.00	\$267.42		
	6 Inspect Levees, Deten/Debris Basins	\$0.00	\$0.00	\$0.00		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$50,000.00	\$50,000.00	\$0.00		
	15 Repair Lined Channel	\$2,000.00	\$2,000.00	\$0.00		
	20 Erosion Control and Repair	\$50,000.00	\$50,000.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$2,000.00	\$2,000.00	\$0.00		
	35 Fence Repair	\$0.00	\$0.00	\$0.00		
	40 Vegetation Control - Chemical	\$2,000.00	\$2,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$1,000.00	\$1,000.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$10,000.00	\$10,000.00	\$0.00		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$0.00	\$0.00		
	TOTALS	\$120,500.00	\$120,500.00	\$267.42	0%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Channel Inspection, vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako

Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 16
 Facility Name: Blue Diamond Wash
 MP Facility ID: BD02 0000-0109 BD03 0000-0081
 MP Facility ID: BDBE 0000-0134 BDW1 0000-0077
 MP Facility ID: BDW2 0023 BDW3 0000
 MP Facility ID: BDW4 0160-0174
 MP Facility ID: BDWA 0000-0212, 0284-0633
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$2,000.00	\$2,000.00	\$0.00		
	5 Inspect Channels	\$3,500.00	\$3,500.00	\$189.80		
	6 Inspect Levees, Deten/Debris Basins	\$2,000.00	\$2,000.00	\$759.18		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$15,000.00	\$15,000.00	\$0.00		
	15 Repair Lined Channel	\$10,000.00	\$10,000.00	\$0.00		
	20 Erosion Control and Repair	\$15,000.00	\$15,000.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$50,000.00	\$50,000.00	\$0.00		
	35 Fence Repair	\$2,000.00	\$2,000.00	\$0.00		
	40 Vegetation Control - Chemical	\$2,000.00	\$2,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$5,000.00	\$5,000.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$1,000.00	\$1,000.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$40,000.00	\$10,000.00	\$1,234.72		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$30,000.00	\$13,179.25		
	TOTALS	\$147,500.00	\$147,500.00	\$15,362.95	10%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Channel maintenance contract adjacent to beltway.
 Channel Inspection, vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako

Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 17
 Facility Name: Searchlight
 MP Facility ID: SREA 0000-0065
 MP Facility ID: SRSO 0000-0030
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$500.00	\$500.00	\$0.00		
	5 Inspect Channels	\$1,000.00	\$1,000.00	\$0.00		
	6 Inspect Levees, Deten/Debris Basins	\$0.00	\$0.00	\$0.00		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$0.00	\$0.00	\$0.00		
	15 Repair Lined Channel	\$0.00	\$0.00	\$0.00		
	20 Erosion Control and Repair	\$0.00	\$0.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$0.00	\$0.00	\$0.00		
	35 Fence Repair	\$0.00	\$0.00	\$0.00		
	40 Vegetation Control - Chemical	\$0.00	\$0.00	\$0.00		
	45 Vegetation Control - Mechanical	\$0.00	\$0.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$1,000.00	\$1,000.00	\$0.00		
	85 Engineering	\$5,000.00	\$5,000.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$0.00	\$0.00		
	TOTALS	\$7,500.00	\$7,500.00	\$0.00	0%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:
 Channel Inspection, vegetation control and other work as assigned.

Consultant/ Contractor: _____
 Project Manager: Dwayne Ako Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: **CC 18**
 Facility Name: **Bunkerville**
 MP Facility ID: **WIWA 0000-0038**
 MP Facility ID: **WIJE 0000-0065**
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____

Entity: **CLARK COUNTY**
 Date Prepared: **10/29/2018**
 Quarter: **1st Quarter**

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$1,000.00	\$1,000.00	\$0.00		
	5 Inspect Channels	\$1,000.00	\$1,000.00	\$267.42		
	6 Inspect Levees, Deten/Debris Basins	\$3,000.00	\$3,000.00	\$267.42		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$0.00	\$0.00	\$0.00		
	15 Repair Lined Channel	\$0.00	\$0.00	\$0.00		
	20 Erosion Control and Repair	\$0.00	\$0.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$5,000.00	\$5,000.00	\$0.00		
	35 Fence Repair	\$2,500.00	\$2,500.00	\$0.00		
	40 Vegetation Control - Chemical	\$1,000.00	\$1,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$0.00	\$0.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$1,000.00	\$1,000.00	\$0.00		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$0.00	\$0.00		
	TOTALS	\$14,500.00	\$14,500.00	\$534.84	4%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Channel Inspection, vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako

Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 19
 Facility Name: Pittman
 MP Facility ID: PTBL 0028-0157
 MP Facility ID: PTDC 0000-0005
 MP Facility ID: PTWA 0477-0738
 MP Facility ID: PTWB 0000-0016
 MP Facility ID: _____
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$1,000.00	\$1,000.00	\$0.00		
	5 Inspect Channels	\$3,000.00	\$3,000.00	\$227.75		
	6 Inspect Levees, Deten/Debris Basins	\$0.00	\$0.00	\$0.00		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$5,000.00	\$5,000.00	\$0.00		
	15 Repair Lined Channel	\$5,000.00	\$5,000.00	\$0.00		
	20 Erosion Control and Repair	\$0.00	\$0.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$0.00	\$0.00	\$0.00		
	35 Fence Repair	\$2,000.00	\$2,000.00	\$694.67		
	40 Vegetation Control - Chemical	\$2,500.00	\$2,500.00	\$0.00		
	45 Vegetation Control - Mechanical	\$5,000.00	\$5,000.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$1,500.00	\$1,500.00	\$0.00		
	70 Storm Sewer Line Repair	\$1,500.00	\$1,500.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$15,000.00	\$15,000.00	\$2,929.01		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$0.00	\$0.00		
	TOTALS	\$41,500.00	\$41,500.00	\$3,851.43	9%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Channel Inspection, vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako

Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 20
 Facility Name: Indian Springs
 MP Facility ID: ISWE 0100-1001
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$1,000.00	\$1,000.00	\$0.00		
	5 Inspect Channels	\$2,000.00	\$2,000.00	\$0.00		
	6 Inspect Levees, Deten/Debris Basins	\$2,000.00	\$2,000.00	\$0.00		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$0.00	\$0.00	\$0.00		
	15 Repair Lined Channel	\$0.00	\$0.00	\$0.00		
	20 Erosion Control and Repair	\$5,000.00	\$5,000.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$2,500.00	\$2,500.00	\$0.00		
	35 Fence Repair	\$0.00	\$0.00	\$0.00		
	40 Vegetation Control - Chemical	\$0.00	\$0.00	\$0.00		
	45 Vegetation Control - Mechanical	\$0.00	\$0.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$1,000.00	\$1,000.00	\$0.00		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$0.00	\$0.00		
	TOTALS	\$13,500.00	\$13,500.00	\$0.00	0%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:
 Channel Inspection, vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako

Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
QUARTERLY STATUS REPORT - FY 2018 - 2019**

MWP Facility #: CC 21
 Facility Name: Northern Beltway
 MP Facility ID: EKEA 0056-0338
 MP Facility ID: RCHB 0083, 0101, 0130, 0149, 0151
 MP Facility ID: GOBW 0000-0048
 MP Facility ID: GONO 0117-0335
 MP Facility ID: _____
 MP Facility ID: _____

Entity: CLARK COUNTY
 Date Prepared: 10/29/2018
 Quarter: 1st Quarter

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$1,000.00	\$0.00	\$0.00		
	5 Inspect Channels	\$2,000.00	\$2,000.00	\$455.51		
	6 Inspect Levees, Deten/Debris Basins	\$0.00	\$0.00	\$0.00		
	8 Species Survey and Removal	\$0.00	\$0.00	\$0.00		
	10 Clean and Reshape Channels/Levees	\$2,000.00	\$0.00	\$0.00		
	15 Repair Lined Channel	\$2,000.00	\$2,000.00	\$0.00		
	20 Erosion Control and Repair	\$10,000.00	\$5,000.00	\$0.00		
	21 Provide/Maintain Dust Control	\$0.00	\$0.00	\$0.00		
	25 Clean Detention/Debris Basins	\$0.00	\$0.00	\$0.00		
	35 Fence Repair	\$5,000.00	\$3,000.00	\$0.00		
	40 Vegetation Control - Chemical	\$2,000.00	\$2,000.00	\$0.00		
	45 Vegetation Control - Mechanical	\$0.00	\$0.00	\$0.00		
	50 Maintain Access Road	\$0.00	\$0.00	\$0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	60 Repair Inlet/Outlet Structures	\$0.00	\$0.00	\$0.00		
	65 Clean Storm Sewer Lines	\$0.00	\$0.00	\$0.00		
	70 Storm Sewer Line Repair	\$0.00	\$0.00	\$0.00		
	75 Clean/Flush Culverts & Bridges	\$0.00	\$0.00	\$0.00		
	80 Miscellaneous Work Activities	\$10,000.00	\$10,000.00	\$1,633.32		
	85 Engineering	\$0.00	\$0.00	\$0.00		
	90 Homeless Cleanup	\$0.00	\$10,000.00	\$2,087.07		
	TOTALS	\$34,000.00	\$34,000.00	\$4,175.90	12%	

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:
 Channel maintenance contract adjacent to beltway.
 Channel inspection, vegetation control and other work as assigned.

Consultant/
 Contractor: _____
 Project
 Manager: Dwayne Ako Phone Number: 702-455-7540

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY19 1ST QUARTERLY STATUS REPORT**

MWP Facility#: HN65

Entity: CITY OF HENDERSON

Facility Name: C1 NORTH
 C1CH 0000-0441, C1CT 0000-0075, C1DC 0000-0303, C1E1 0000-0065, C1EQ 0000-0297, C1FK 0000-0073, C1HV 0000-0300, C1IT 0273, C1LM 0000-0130, C1RT 0000-0041, LLMW 0000, LLMW 0129, LLMW 0203

Date Prepared: 9/30/2018

MP Facility ID: 0129, LLMW 0203

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Total Expenditures (\$)	Percent Complete	Scheduled Completion Date
3	Facility Assessment and Inventory	\$150,000.00	\$25,000.00	\$0.00	0%	
5	Inspect Channels	\$5,000.00	\$5,000.00	\$810.62	16%	
6	Inspect Levees/Detention and Debris Basins	\$10,000.00	\$10,000.00	\$321.20	3%	
8	Species Survey and Removal	\$5,000.00	\$5,000.00	\$0.00	0%	
10	Clean and Reshape Channels/Levees	\$55,000.00	\$55,000.00	\$1,618.98	3%	
15	Repair Lined Channel	\$50,000.00	\$583,420.00	\$0.00	0%	
20	Erosion Control and Repair	\$50,000.00	\$50,000.00	\$0.00	0%	
21	Provide/Maintain Dust Control	\$20,000.00	\$20,000.00	\$0.00	0%	
25	Clean Detention/Debris Basins	\$260,000.00	\$260,000.00	\$723.51	0%	
35	Fence Repair	\$20,000.00	\$20,000.00	\$0.00	0%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$350,000.00	\$211,000.00	\$8,353.19	4%	
50	Maintain Access Road	\$20,000.00	\$20,000.00	\$0.00	0%	
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	\$0.00	0%	
80	Miscellaneous Work Activities					
85	Engineering	\$35,000.00	\$72,644.18	\$11,858.70	16%	
90	Homeless Encampment Cleanup	\$0.00	\$5,000.00	\$3,390.46	68%	
TOTALS		\$1,036,000.00	\$1,348,064.18	\$27,076.66		Jun-2019

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 20, Act 21 - 4-Kids Channel (C1FK 0040) repair the erosion upstream of the Unilever site. 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 8, Act 20, Act 21, Act 25, Act 85 - Northeast C1 Detention Basin; remove sediment and debris from detention basin and repair erosion on embankments. Act 40, Act 45 - C1 Channel remove vegetation and re-establish flowline in natural portion of C1 Channel downstream of Tuscany subdivision. Other 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
FY19 1ST QUARTERLY STATUS REPORT**

MWP Facility#: HN66 Entity: CITY OF HENDERSON
 Facility Name: C1 SOUTH Date Prepared: 9/30/2018
 C1BH 0000-0214, C1CH 0455-0674, C1CH 0711, C1CH 0742-1138, C1GW 0000-0081, C1U1 0000-0082, C1US 0000-0078
 MP Facility ID: 0082, 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	\$150,000.00	\$25,000.00	\$0.00	0%	
	5 Inspect Channels	\$3,500.00	\$2,000.00	\$881.92	44%	
	6 Inspect Levees/Detention and Debris Basins	\$5,000.00	\$1,000.00	\$160.80	16%	
	8 Species Survey and Removal	\$5,000.00	\$5,300.00	\$5,252.39	99%	
	10 Clean and Reshape Channels/Levees		\$514.74	\$514.74	100%	
	15 Repair Lined Channel					
	20 Erosion Control and Repair	\$30,000.00	\$15,000.00	\$0.00	0%	
	21 Provide/Maintain Dust Control	\$10,000.00	\$5,000.00	\$2,003.24	40%	
	25 Clean Detention/Debris Basins	\$275,000.00	\$275,000.00	\$160,304.20	58%	
	35 Fence Repair	\$8,000.00	\$3,000.00	\$946.31	32%	
	40 Vegetation Control - Chemical					
	45 Vegetation Control - Mechanical	\$20,000.00	\$20,000.00	\$8,007.99	40%	
	50 Maintain Access Road					
	55 Clean & Inspect Inlet/Outlet Structures	\$3,000.00	\$3,000.00	\$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	\$1,000.00	\$0.00	0%	
	80 Miscellaneous Work Activities	\$5,000.00	\$5,000.00	\$0.00	0%	
	85 Engineering	\$32,000.00	\$32,000.00	\$11,624.19	36%	
	90 Homeless Encampment Cleanup	\$0.00	\$5,000.00	\$2,442.34	49%	
	TOTALS	\$547,500.00	\$397,814.74	\$192,137.92		Jun-2019

Delays or Problem Areas:

Due to high bids exceeding Engineer's estimate on Mission Hills Detention Basin, funding was no longer available for asset management.

Work completed during prior fiscal year:

Act 3 - Select a consultant to start the Asset Management Program for Regional Flood Control Facilities. Act 21, Act 25 and Act 85 - Completed Mission Hills Detention Basin debris and sediment removal at C1CH 0854. 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. Activities 8, 20, 21, 25 and 85 - Black Mountain DB Sediment and Debris Removal. Other 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
FY19 1ST QUARTERLY STATUS REPORT**

MWP Facility#: HN67
 Facility Name: PITTMAN CENTRAL NE
 MP Facility ID: PTBR 0067-0175, PTGB 0058-0249, PTPA 0260, PTVW 0000-0187

Entity: CITY OF HENDERSON
 Date Prepared: 9/30/2018

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	\$631.20	35%	
6	Inspect Levees/Detention and Debris Basins	\$2,000.00	\$1,000.00	\$57.58	6%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$20,000.00	\$20,000.00	\$0.00	0%	
15	Repair Lined Channel					
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	\$1,986.29	99%	
25	Clean Detention/Debris Basins	\$20,000.00	\$10,000.00	\$5,385.00	54%	
35	Fence Repair	\$8,000.00	\$5,000.00	\$0.00	0%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$20,000.00	\$20,000.00	\$11,183.35	56%	
50	Maintain Access Road					
55	Clean & Inspect Inlet/Outlet Structures	\$3,000.00	\$3,000.00	\$0.00	0%	
60	Repair Inlet/Outlet Structures					
65	Clean Storm Sewer Lines					
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges					
80	Miscellaneous Work Activities					
85	Engineering	\$1,000.00	\$5,000.00	\$3,560.98	71%	
90	Homeless Encampment Cleanup					
TOTALS		\$78,800.00	\$68,800.00	\$22,804.40		Jun-2019

Delays or Problem Areas:

Work completed during prior fiscal year:

Act 25 - Pioneer Detention Basin (PTVW 0184 - 0185); removed approximately 6,000 cubic yards of sediment and debris. 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. Jankowlak

(702) 267-3024

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY19 1ST QUARTERLY STATUS REPORT**

MWP Facility#: HN68
Facility Name: PITTMAN CENTRAL SE

Entity: CITY OF HENDERSON
Date Prepared: 9/30/2018

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	\$2,000.00	\$2,000.00	\$1,302.43	65%	
6	Inspect Levees/Detention and Debris Basins	\$1,000.00	\$0.00	\$0.00	0%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$10,000.00	\$10,000.00	\$606.13	6%	
15	Repair Lined Channel					
20	Erosion Control and Repair					
21	Provide/Maintain Dust Control	\$2,000.00	\$2,000.00	\$0.00	0%	
25	Clean Detention/Debris Basins					
35	Fence Repair	\$5,000.00	\$5,000.00	\$673.71	13%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$10,000.00	\$10,000.00	\$1,504.39	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					
80	Miscellaneous Work Activities					
85	Engineering	\$0.00	\$5,000.00	\$2,315.15	46%	
90	Homeless Encampment Cleanup	\$0.00	\$5,000.00	\$4,141.47	83%	
TOTALS		\$30,000.00	\$39,000.00	\$10,543.28		Jun-2019
Delays or Problem Areas:						
Work completed during prior fiscal year:						
Act 15, Act 21, Act 45 - I-515 Channel (PTIS 0029-0166); re-establish the channel and repair the reno mattresses along the I-515 near Horizon and Horizon Ridge. 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) 287-3024

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FY19 1ST QUARTERLY STATUS REPORT**

MWP Facility#: HN69
 Facility Name: PITTMAN CENTRAL NW
 MP Facility ID: 0000-0476, WWDC 0000-0084

Entity: CITY OF HENDERSON
 Date Prepared: 9/30/2018

DCWA 0646-0670, PTDC 0026-0237, PTPE 0000-0166, PTRW 0000-0170, PTSW 0000-0129, PTWA 0000-0476, WWDC 0000-0084

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	\$6,500.00	\$2,000.00	\$613.89	31%	
6	Inspect Levees/Detention and Debris Basins	\$2,000.00	\$1,000.00	\$115.16	12%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$20,000.00	\$20,000.00	\$11,860.97	59%	
15	Repair Lined Channel	\$20,000.00	\$20,000.00	\$0.00	0%	
20	Erosion Control and Repair	\$10,000.00	\$10,000.00	\$9,559.37	96%	
21	Provide/Maintain Dust Control	\$5,500.00	\$5,500.00	\$2,331.60	42%	
25	Clean Detention/Debris Basins	\$2,000.00	\$2,000.00	\$0.00	0%	
35	Fence Repair	\$11,000.00	\$11,000.00	\$4,770.43	43%	
40	Vegetation Control - Chemical	\$5,000.00	\$0.00	\$0.00	0%	
45	Vegetation Control - Mechanical	\$25,000.00	\$25,000.00	\$23,342.16	93%	
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		\$6,245.12	\$6,245.12	100%	
80	Miscellaneous Work Activities	\$500.00	\$2,000.00	\$1,646.20	82%	
85	Engineering	\$2,000.00	\$6,000.00	\$5,846.93	97%	
90	Homeless Encampment Cleanup	\$0.00	\$2,275.96	\$2,275.96	100%	
	TOTALS	\$109,500.00	\$113,021.08	\$68,607.79		Jun-2019

Delays or Problem Areas:

Work completed during prior fiscal year:

Act 15 - Whitney Channel (WWDC 0054-0055); Repair approximately 150 feet of lined channel. 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 85 - Sandwedge Channel (PTSW 0019); Engineering evaluation recommendation and construction estimate for repair on the culvert headwall. Other expenditures on this facility were for regular maintenance activities.

Work to be completed during current fiscal year:

Act 15 - Construction and repair of culvert headwall at Sandwedge Channel. Other 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
FY19 1ST QUARTERLY STATUS REPORT**

MWP Facility#: HN70
 Facility Name: PITTMAN CENTRAL SW
 MP Facility ID: PTDW 0000-0088, PTFD 0000-0111, PTLM 0000-0078, PTMR 0000-0399, PTRE 0000-0246, PTST 0000-0170, PTVV 0000-0005

Entity: CITY OF HENDERSON
 Date Prepared: 9/30/2018

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	\$1,000.00	\$288.84	29%	
6	Inspect Levees/Detention and Debris Basins					
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$10,000.00	\$10,000.00	\$0.00	0%	
15	Repair Lined Channel					
20	Erosion Control and Repair					
21	Provide/Maintain Dust Control	\$1,000.00	\$1,000.00	\$0.00	0%	
25	Clean Detention/Debris Basins	\$5,000.00	\$0.00	\$0.00	0%	
35	Fence Repair	\$2,000.00	\$2,000.00	\$563.13	28%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$5,000.00	\$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					
80	Miscellaneous Work Activities					
85	Engineering	\$1,000.00	\$3,000.00	\$2,218.45	74%	
90	Homeless Encampment Cleanup					
TOTALS		\$26,500.00	\$22,000.00	\$3,070.42		Jun-2019

Delays or Problem Areas:

Work completed during prior fiscal year:

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
FY19 1ST QUARTERLY STATUS REPORT**

MWP Facility#: HN71
Facility Name: PITTMAN ANTHEM INSPIRADA

Entity: CITY OF HENDERSON
Date Prepared: 9/30/2018

MP Facility ID: PTAD 0000-0070, PTAN 0000-0280, PTAT 0000-0007, PTCR 0000-0036, PTDY 0000, PTEA 0493-0773, PTOG 0000-0016, PTPN 0000-0039, PTRD 0000-0066, 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	\$2,000.00	\$0.00	0%	
6	Inspect Levees/Detention and Debris Basins	\$5,000.00	\$2,000.00	\$115.15	6%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$10,000.00	\$5,000.00	\$0.00	0%	
15	Repair Lined Channel					
20	Erosion Control and Repair					
21	Provide/Maintain Dust Control	\$5,000.00	\$2,000.00	\$0.00	0%	
25	Clean Detention/Debris Basins	\$15,000.00	\$5,000.00	\$0.00	0%	
35	Fence Repair	\$5,000.00	\$2,000.00	\$250.31	13%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$15,000.00	\$5,000.00	\$0.00	0%	
50	Maintain Access Road	\$1,000.00	\$0.00	\$0.00	0%	
55	Clean & Inspect Inlet/Outlet Structures	\$2,500.00	\$500.00	\$0.00	0%	
60	Repair Inlet/Outlet Structures					
65	Clean Storm Sewer Lines	\$1,000.00	\$0.00	\$0.00	0%	
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges	\$2,000.00	\$0.00	\$0.00	0%	
80	Miscellaneous Work Activities	\$400.00	\$0.00	\$0.00	0%	
85	Engineering	\$4,000.00	\$2,500.00	\$2,147.27	86%	
90	Homeless Encampment Cleanup					
TOTALS		\$70,900.00	\$26,000.00	\$2,512.73		Jun-2019

Delays or Problem Areas:

Work completed during prior fiscal year:

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
FY19 1ST QUARTERLY STATUS REPORT**

MWP Facility#: HN72
 Facility Name: PITTMAN SEVEN HILLS
 PTAP 0000-0191, PTEA 0000-0230, PTEA 0244, PTEA 0437-0439, PTGV 0000-0073, PTHD 0000-0020, PTPW 0000-0309, PTSH 0011-0084
 MP Facility ID: _____

Entity: CITY OF HENDERSON
 Date Prepared: 9/30/2018

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	\$1,000.00	\$0.00	0%	
6	Inspect Levees/Detention and Debris Basins	\$6,000.00	\$1,000.00	\$172.76	17%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$10,000.00	\$5,000.00	\$0.00	0%	
15	Repair Lined Channel	\$10,000.00	\$0.00	\$0.00	0%	
20	Erosion Control and Repair					
21	Provide/Maintain Dust Control	\$10,000.00	\$2,000.00	\$0.00	0%	
25	Clean Detention/Debris Basins	\$15,000.00	\$0.00	\$0.00	0%	
35	Fence Repair	\$15,000.00	\$1,000.00	\$254.85	25%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical	\$40,000.00	\$5,000.00	\$182.01	4%	
50	Maintain Access Road					
55	Clean & Inspect Inlet/Outlet Structures	\$2,000.00	\$1,000.00	\$0.00	0%	
60	Repair Inlet/Outlet Structures					
65	Clean Storm Sewer Lines					
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges					
80	Miscellaneous Work Activities					
85	Engineering	\$2,000.00	\$3,000.00	\$1,994.87	66%	
90	Homeless Encampment Cleanup					
TOTALS		\$112,500.00	\$19,000.00	\$2,604.49		Jun-2019

Delays or Problem Areas:

Work completed during prior fiscal year:

Act 45 - Pittman Anthem Parkway Channel (PTAP 0005-0045); vegetation removal and disposal. 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
FY19 1ST QUARTERLY STATUS REPORT**

MWP Facility#: HN73
Facility Name: PITTMAN WEST HENDERSON

Entity: CITY OF HENDERSON
Date Prepared: 9/30/2018

MP Facility ID: PTN1 0000, PTN2 0000, PTN2 0086-0251, PTNO 0180-0182, PTNO 0190-0195, PTWA 0815-0905

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	\$300.00	\$300.00	\$0.00	0%	
6	Inspect Levees/Detention and Debris Basins	\$5,000.00	\$1,000.00	\$0.00	0%	
8	Species Survey and Removal					
10	Clean and Reshape Channels/Levees	\$10,000.00	\$0.00	\$0.00	0%	
15	Repair Lined Channel					
20	Erosion Control and Repair					
21	Provide/Maintain Dust Control					
25	Clean Detention/Debris Basins					
35	Fence Repair	\$10,000.00	\$1,000.00	\$129.69	13%	
40	Vegetation Control - Chemical					
45	Vegetation Control - Mechanical					
50	Maintain Access Road					
55	Clean & Inspect Inlet/Outlet Structures					
60	Repair Inlet/Outlet Structures					
65	Clean Storm Sewer Lines					
70	Storm Sewer Repair					
75	Clean/Flush Culverts & Bridges					
80	Miscellaneous Work Activities					
85	Engineering	\$1,000.00	\$2,000.00	\$1,888.09	94%	
90	Homeless Encampment Cleanup					
TOTALS		\$26,300.00	\$4,300.00	\$2,017.78		Jun-2019
Delays or Problem Areas:						
Work completed during prior fiscal year:						
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
FIRST QUARTER - FY 2018-19**

MWP Facility #: LV51
 Facility Name: Cedar Avenue Channel/Nellis System
 MP Facility ID: CACH 0000 - 0148,
CABZ 0000 - 0010, CACN 0000 - 0049,
LVBZ 0166 - 0223

Entity: City of Las Vegas
 Date Prepared: 10/23/2018

Force Account/Contract	Activity	Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date *
FA 03	Facility Assessment and Inventory	\$5,000.00	\$5,000.00			Jun-19
FA 05	Inspect Channels	\$1,000.00	\$1,000.00			Jun-19
	06 Inspect Levees/Detention and Debris Basins					
	08 Species Survey and Removal	\$10,000.00	\$10,000.00			Jun-19
FA 10	Clean and Reshape Channels/Levees	\$20,000.00	\$1,000.00			Jun-19
FA 15	Repair Lined Channel	\$5,000.00	\$5,000.00			Jun-19
	20 Erosion Control and Repair	\$10,000.00	\$10,000.00			Jun-19
	21 Provide/Maintain Dust Control					
	25 Clean Detention Debris Basins					
	35 Fence Repair	\$10,000.00	\$10,000.00			Jun-19
	40 Vegetation Control - Chemical					
	45 Vegetation Control - Mechanical	\$10,000.00	\$10,000.00			Jun-19
	50 Maintain Access Road					
FA 55	Clean & Inspect Inlet/Outlet Structures	\$10,000.00	\$10,000.00			Jun-19
	60 Repair Inlet/Outlet Structures					
FA 65	Clean Storm Sewer Lines	\$2,000.00	\$2,000.00			Jun-19
FA 70	Storm Sewer Repair	\$1,000.00	\$1,000.00			Jun-19
FA 75	Clean/Flush Culverts & Bridges	\$2,000.00	\$2,000.00	\$94.96		Jun-19
FA 80	Miscellaneous Work Activities	\$13,000.00	\$13,000.00			Jun-19
FA 85	Engineering	\$1,000.00	\$20,000.00	\$16,090.73		Jun-19
TOTALS		\$100,000.00	\$100,000.00	\$16,185.69	16.2%	

Delays or Problem Areas:

Work completed during prior Fiscal Year:
 Cleaned Cedar Avenue channel twice a year (CACH 0000-0148) and graffiti removal. Routine maintenance work activities.

Work to be completed during current Fiscal Year:
 Inspect and clean storm drain facilities. Clean open channel twice a year (CACH 0000-0148) and graffiti removal. Routine maintenance work activities.

Consultant/Contractor: N/A
 Project Manager: Oh Sang Kwon, P.E./Matthew Meyer, P.E. Phone Number: 702-229-6541

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FIRST QUARTER - FY 2018-19**

MWP Facility #: LV52
 Facility Name: Gowan/Angel Pk/Lone Mtn System
 MP Facility ID: GONO 0000 - 0110, GOSO 0000 - 0462, GODU 0000 - 0050, GOLS 0006-0032
GOOF 0427 - 0775, GOCR 0180 - 0201, GOLB 0000 - 0030, GOL3 0000-0115
GOLM 0000 - 0277, GOBU 0000 - 0085, GOBW 0103, GOBX 0000, GOBE 0000-0139
APDG 0000 - 0060, APOF 0000 - 0124, APPI 0000 - 0056, GOTE 0000
GO02 0000 - 0257, APNO 0015, APNO 0012, GOLO 0152-0275, APNO 0001-0004
APSP 0000 - 0183, APBE 0000 - 0122, APSO 0000, APSO 0020, APFH 0089
APSO 0204, APSO 0254, APSO 0255, APSO 0345, APMD 0027, GOL5 0000, APD2 0000 - 0002
APMD 0132, APMD 0190 - 0258, GOL2 0000 - 0014, APD3 0000 - 0021, GOWC 0000,
GOL3 0128, GOL4 0000 - 0026, APFH 0000 - 0061, APM5 0000, APAD 0000 - 0225, APCB 0000 - 0080

Entity: City of Las Vegas
 Date Prepared: 10/23/2018

Force Account/Contract	Activity	Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date *
FA 03	Facility Assessment and Inventory	\$7,000.00				Jun-19
FA 05	Inspect Channels	\$6,000.00				Jun-19
FA 06	Inspect Levees/Detention and Debris Basins	\$5,000.00				Jun-19
FA 08	Species Survey and Removal	\$20,000.00				Jun-19
	10 Clean and Reshape Channels/Levees	\$10,000.00				Jun-19
FA 15	Repair Lined Channel	\$100,000.00				Jun-19
FA 20	Erosion Control and Repair	\$50,000.00				Jun-19
FA 21	Provide/Maintain Dust Control	\$10,000.00				Jun-19
FA 25	Clean Detention Debris Basins	\$100,000.00				Jun-19
FA 35	Fence Repair	\$50,000.00				Jun-19
	40 Vegetation Control - Chemical	\$2,000.00				Jun-19
FA 45	Vegetation Control - Mechanical	\$20,000.00				Jun-19
	50 Maintain Access Road	\$5,000.00				Jun-19
FA 55	Clean & Inspect Inlet/Outlet Structures	\$40,000.00				Jun-19
FA 60	Repair Inlet/Outlet Structures	\$120,000.00				Jun-19
	65 Clean Storm Sewer Lines	\$10,000.00				Jun-19
FA 70	Storm Sewer Repair	\$40,000.00				Jun-19
FA 75	Clean/Flush Culverts & Bridges	\$45,000.00				Jun-19
FA 80	Miscellaneous Work Activities	\$10,000.00				Jun-19
FA 85	Engineering	\$50,000.00		\$13,555.20		Jun-19
TOTALS		\$700,000.00	\$0.00	\$13,555.20	1.9%	

Delays or Problem Areas:

Work completed during prior Fiscal Year:

Graffiti and trash removed within the Gilmore Channel (GOLM 0150 - 0240). Reseal joints along the beltway channel. Cleaned and inspected detention basins. Removed sediments along the beltway channel. Routine maintenance work activities.

Work to be completed during current Fiscal Year:

Graffiti and trash removal. Vegetation control throughout the detention basins. Repair crack concrete and joint seals in various locations. Repair erosion damages in embankment of the detention basins. Clean and inspect detention basins. Remove sediment along the beltway channel. Routine maintenance work activities.

Consultant/Contractor: N/A

Project Manager: Oh Sang Kwon, P.E./Matthew Meyer, P.E. Phone Number: 702-229-6541

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FIRST QUARTER - FY 2018-19**

MWP Facility #: LV53
 Facility Name: Lake Mead/Smoke Ranch/Washington System
 MP Facility ID: LVLM 0336 - 0525, LVSR 0312 - 0525,
LV15 0284 - 0474, LVOW 0000 - 0351,
LVRA 0000 - 0066, LVPK 0000 - 0130

Entity: City of Las Vegas
 Date Prepared: 10/23/2018

Force Account/Contract	Activity	Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date *
FA 03	Facility Assessment and Inventory	\$5,000.00	\$5,000.00			Jun-19
FA 05	Inspect Channels	\$10,000.00	\$10,000.00			Jun-19
	06 Inspect Levees/Detention and Debris Basins					
	08 Species Survey and Removal					
FA 10	Clean and Reshape Channels/Levees	\$2,500.00	\$2,500.00			Jun-19
FA 15	Repair Lined Channel	\$3,500.00	\$3,500.00			Jun-19
	20 Erosion Control and Repair					
	21 Provide/Maintain Dust Control					
	25 Clean Detention Debris Basins					
FA 35	Fence Repair	\$2,000.00	\$2,000.00			Jun-19
	40 Vegetation Control - Chemical					
	45 Vegetation Control - Mechanical					
	50 Maintain Access Road					
FA 55	Clean & Inspect Inlet/Outlet Structures	\$16,000.00	\$9,000.00			Jun-19
FA 60	Repair Inlet/Outlet Structures	\$5,000.00	\$5,000.00			Jun-19
FA 65	Clean Storm Sewer Lines	\$2,500.00	\$2,500.00			Jun-19
FA 70	Storm Sewer Repair	\$28,000.00	\$28,000.00			Jun-19
	75 Clean/Flush Culverts & Bridges	\$20,000.00	\$20,000.00			Jun-19
FA 80	Miscellaneous Work Activities	\$2,500.00	\$2,500.00			Jun-19
FA 85	Engineering	\$3,000.00	\$10,000.00	\$8,710.55		Jun-19
TOTALS		\$100,000.00	\$100,000.00	\$8,710.55	8.7%	

Delays or Problem Areas:

Work completed during prior Fiscal Year:

Routine maintenance work activities.

Work to be completed during current Fiscal Year:

Remove debris, clean drop inlets, and repair any damages. Routine maintenance work activities.

Consultant/Contractor: N/A
 Project Manager: Oh Sang kwon, P.E./Matthew Meyer, P.E. Phone Number: 702-229-6541

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FIRST QUARTER - FY 2018-19**

WMP Facility #: LV54
 Facility Name: Las Vegas Wash System
 MP Facility ID: LVMD 1069 - 1354

Entity: City of Las Vegas
 Date Prepared: 10/23/2018

Force Account/Contract	Activity	Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date *
FA 03	Facility Assessment and Inventory	\$25,000.00	\$25,000.00			Jun-19
FA 05	Inspect Channels	\$20,000.00	\$20,000.00			Jun-19
	06 Inspect Levees/Detention and Debris Basins					
FA 08	Species Survey and Removal	\$10,000.00	\$10,000.00			Jun-19
FA 10	Clean and Reshape Channels/Levees	\$75,000.00	\$75,000.00	\$482.00		Jun-19
FA 15	Repair Lined Channel	\$320,000.00	\$250,000.00			Jun-19
	20 Erosion Control and Repair	\$5,000.00	\$5,000.00			Jun-19
	21 Provide/Maintain Dust Control					
	25 Clean Detention Debris Basins					
FA 35	Fence Repair	\$20,000.00	\$20,000.00	\$719.20		Jun-19
	40 Vegetation Control - Chemical					
FA 45	Vegetation Control - Mechanical	\$173,000.00	\$173,000.00			Jun-19
	50 Maintain Access Road	\$2,000.00	\$2,000.00			Jun-19
	55 Clean & Inspect Inlet/Outlet Structures					
	60 Repair Inlet/Outlet Structures					
	65 Clean Storm Sewer Lines					
FA 70	Storm Sewer Repair	\$5,000.00	\$5,000.00			Jun-19
FA 75	Clean/Flush Culverts & Bridges	\$5,000.00	\$5,000.00			Jun-19
FA 80	Miscellaneous Work Activities	\$10,000.00	\$80,000.00	\$70,124.50		Jun-19
FA 85	Engineering	\$30,000.00	\$30,000.00	\$12,974.95		Jun-19
TOTALS		\$700,000.00	\$700,000.00	\$84,300.65	12.0%	

Delays or Problem Areas:

Work completed during prior Fiscal Year:
 Bi-annual vegetation control and erosion control along the Las Vegas Wash. Repaired Mat along Las Vegas Wash between Washington Avenue and Stewart Avenue (LVMD 1120 – 1178) for erosion control. Removed sediments and trash.

Work to be completed during current Fiscal Year:
 Provide bi-annual vegetation control. Continue with the sediment removal. Routine maintenance work activities.

Consultant/Contractor: N/A
 Project
 Manager: Oh Sang Kwon, P.E./Matthew Meyer, P.E. Phone Number: 702-229-6541

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FIRST QUARTER - FY 2018-19**

MWP Facility #: LV55
 Facility Name: Meadows/Oakey System
 MP Facility ID: LCME 0000 - 0085, MECH 0059 - 0420,
MEAL 0000 - 0258, MEPA 0000 - 0025, MEOK 0000 - 0217

Entity: City of Las Vegas
 Date Prepared: 10/23/2018

Force Account/Contract	Activity	Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date *
FA 03	Facility Assessment and Inventory	\$10,000.00				Jun-19
03	Inspect Channels	\$1,000.00				Jun-19
06	Inspect Levees/Detention and Debris Basins	\$1,000.00				Jun-19
08	Species Survey and Removal	\$2,000.00				Jun-19
FA 10	Clean and Reshape Channels/Levees	\$10,000.00		\$494.50		Jun-19
FA 15	Repair Lined Channel	\$6,000.00				Jun-19
20	Erosion Control and Repair	\$10,000.00				Jun-19
21	Provide/Maintain Dust Control					
FA 25	Clean Detention Debris Basins	\$10,000.00				Jun-19
35	Fence Repair	\$2,000.00				Jun-19
40	Vegetation Control - Chemical	\$2,000.00				Jun-19
45	Vegetation Control - Mechanical	\$5,000.00				Jun-19
FA 50	Maintain Access Road	\$5,000.00				Jun-19
FA 55	Clean & Inspect Inlet/Outlet Structures	\$8,000.00				Jun-19
FA 60	Repair Inlet/Outlet Structures	\$8,000.00				Jun-19
65	Clean Storm Sewer Lines	\$2,000.00				Jun-19
FA 70	Storm Sewer Repair	\$10,000.00				Jun-19
FA 75	Clean/Flush Culverts & Bridges	\$1,000.00				Jun-19
FA 80	Miscellaneous Work Activities	\$2,000.00				Jun-19
FA 85	Engineering	\$5,000.00		\$2,452.06		Jun-19
TOTALS		\$100,000.00	\$0.00	\$2,946.56	2.9%	

Delays or Problem Areas:

Work completed during prior Fiscal Year:

Removed sediment from Oakey DB and Meadows DB. Repaired spillway erosions at Oakey DB. Vegetation control and repair spalling in the spillway in the Meadows DB. Routine maintenance work activities.

Work to be completed during current Fiscal Year:

Continue to repair and clean storm drain facilities. Remove sediment and vegetation from the detention basins. Repair embankment erosions in the detention basins. Routine maintenance work activities.

Consultant/Contractor: N/A
 Project Manager: Oh Sang Kwon, P.E./Matthew Meyer, P.E. Phone Number: 702-229-6541

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FIRST QUARTER - FY 2018-19**

MWP Facility #: LV56
 Facility Name: Washington Ave/Las Vegas Creek System
 MP Facility ID: LCLT 0000 - 0034, WAPR 0000 - 0132, FWRR 0000-0010
FWUP 0000 - 0100, LVVH 0086 - 0484, FWR2 0000-0020
FW15 0000 - 0301, FWOK 0000 - 0100, FWWL 0000,
FWCH 0000 - 0060, FWSH 0000, LCCH 0513 - 0543,
LCLO 0000 - 0054, WAGC 0000 - 0060, CHRA 0000 - 0014

Entity: City of Las Vegas
 Date Prepared: 10/23/2018

Force Account/Contract	Activity	Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date *
FA 03	Facility Assessment and Inventory	\$10,000.00				Jun-19
FA 05	Inspect Channels	\$10,000.00				Jun-19
	06 Inspect Levees/Detention and Debris Basins	\$2,000.00				Jun-19
	08 Species Survey and Removal					
FA 10	Clean and Reshape Channels/Levees	\$60,000.00				Jun-19
FA 15	Repair Lined Channel	\$50,000.00				Jun-19
	20 Erosion Control and Repair	\$5,000.00				Jun-19
	21 Provide/Maintain Dust Control					
	25 Clean Detention Debris Basins	\$10,000.00				Jun-19
	35 Fence Repair	\$5,000.00				Jun-19
	40 Vegetation Control - Chemical	\$2,000.00				Jun-19
	45 Vegetation Control - Mechanical	\$2,000.00				Jun-19
	50 Maintain Access Road	\$1,000.00				Jun-19
FA 55	Clean & Inspect Inlet/Outlet Structures	\$20,000.00				Jun-19
FA 60	Repair Inlet/Outlet Structures	\$5,000.00		\$137.14		Jun-19
FA 65	Clean Storm Sewer Lines	\$15,000.00		\$1,430.00		Jun-19
FA 70	Storm Sewer Repair	\$10,000.00				Jun-19
FA 75	Clean/Flush Culverts & Bridges	\$5,000.00				Jun-19
FA 80	Miscellaneous Work Activities	\$5,000.00				Jun-19
FA 85	Engineering	\$8,000.00		\$290.97		Jun-19
TOTALS		\$225,000.00	\$0.00	\$1,858.11	0.8%	

Delays or Problem Areas:

Work completed during prior Fiscal Year:

Removed and cleared vegetation from the Rainbow Detention Basins. Fixed embankment erosion in the detention basin. Removed sediments and cleared vegetation from the Freeway Channel openings along I-15 and Veterans Memorial Drive. Routine maintenance work activities.

Work to be completed during current Fiscal Year:

Perform repair and cleaning of storm drain facilities. Remove sediments and clear vegetation from the Freeway Channel openings along I-15 and Veterans Memorial Drive. Clean Las Vegas Creek Channel. Routine maintenance work activities.

Consultant/Contractor: N/A

Project

Manager: Oh Sang Kwon, P.E./Matthew Meyer, P.E. Phone Number: 702-229-6541

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
FIRST QUARTER - FY 2018-19**

MWP Facility #: LV57
 Facility Name: US95/OuterBeltway/Ann Road System
 MP Facility ID: RCHO 0000 - 0071, ANWE 0127 - 0385, CNWE 0020-0314
RCHB 0171 - 0275, RCHB 0120, RCHB 0000-0083, RCBC 0000-0140
EKDB 0000 - 0070, GOAN 0000 - 0061, GOAN 0065-0127
CNGT 0000 - 0247, CNKC 0000 - 0024, LVMD 2324 - 2789
EKHU 0000 - 0023, BCHU 0000 - 0054, ANRB 0000
MSNV 0000, LVMJ 0000-0100, LVDE 0000-0027
CN95 0199 - 0333, EKBU 0000, LVMD 3313-3316
RACO 0000-0064, BRDB 0000-0043, TSDB 0000-0012

Entity: City of Las Vegas
 Date Prepared: 10/23/2018

Force Account/Contract	Activity	Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
FA 03	Facility Assessment and Inventory	\$10,000.00	\$10,000.00			Jun-19
05	Inspect Channels	\$5,000.00	\$5,000.00			Jun-19
06	Inspect Levees/Detention and Debris Basins	\$5,000.00	\$5,000.00			Jun-19
08	Species Survey and Removal	\$2,000.00	\$2,000.00			Jun-19
10	Clean and Reshape Channels/Levees	\$5,000.00	\$5,000.00			Jun-19
FA 15	Repair Lined Channel	\$50,000.00	\$50,000.00			Jun-19
FA 20	Erosion Control and Repair	\$105,000.00	\$105,000.00			Jun-19
FA 21	Provide/Maintain Dust Control	\$50,000.00	\$50,000.00			Jun-19
FA 25	Clean Detention Debris Basins	\$400,000.00	\$400,000.00			Jun-19
FA 35	Fence Repair	\$20,000.00	\$20,000.00	\$1,318.80		Jun-19
40	Vegetation Control - Chemical	\$5,000.00	\$5,000.00			Jun-19
45	Vegetation Control - Mechanical	\$5,000.00	\$5,000.00			Jun-19
FA 50	Maintain Access Road	\$50,000.00	\$50,000.00			Jun-19
FA 55	Clean & Inspect Inlet/Outlet Structures	\$20,000.00	\$20,000.00			Jun-19
FA 60	Repair Inlet/Outlet Structures	\$100,000.00	\$90,000.00			Jun-19
FA 65	Clean Storm Sewer Lines	\$20,000.00	\$20,000.00			Jun-19
FA 70	Storm Sewer Repair	\$20,000.00	\$20,000.00			Jun-19
FA 75	Clean/Flush Culverts & Bridges	\$10,000.00	\$10,000.00			Jun-19
FA 80	Miscellaneous Work Activities	\$10,000.00	\$10,000.00			Jun-19
FA 85	Engineering	\$8,000.00	\$18,000.00	\$12,661.92		Jun-19
TOTALS		\$900,000.00	\$900,000.00	\$13,980.72	1.6%	

Delays or Problem Areas:

Work completed during prior Fiscal Year:

Removed debris, sediment, and vegetation control in various detention basins. Provided maintenance access road to the inlets and outlets of the Elkhorn Springs Detention Basin. Repaired embankment erosion in Floyd Lamb DB. Routine maintenance work activities.

Work to be completed during current Fiscal Year:

Sediment and vegetation removal from the detention basins. Repair damaged control of access. Address State Dam Safety repair request. Inspect and repair CC215 Channel. Routine maintenance work activities.

Consultant/Contractor: N/A
 Project Manager: Oh Sang Kwon, P.E./Matthew Meyer, P.E. Phone Number: 702-229-6541

REGIONAL FLOOD CONTROL DISTRICT
 MAINTENANCE WORK PROGRAM
 QUARTERLY STATUS REPORT - FY 2018-2019

MWP Facility #: ME01
 Facility Name: Mesquite Town Wash
 MP Facility ID: TOWA 0000-0201

Entity: City of Mesquite
 Date Prepared: 10/17/2018
 Quarter: 1st Jul/Aug/Sep

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	03 Facility Assessment and Inventory					
	05 Inspect Channels	\$ 300.00		\$ 86.72		
	06 Inspect Levees/Detention and Debris Basins					
	08 Species Survey and Removal					
	10 Clean and Reshape Channels/Levees	\$ 6,900.00		\$ 802.40		
	15 Repair Lined Channel	\$ 3,000.00				
	20 Erosion Control and Repair					
	21 Provide/Maintain Dust Control					
	25 Clean Detention Debris Basins					
	35 Fence Repair					
	40 Vegetation Control - Chemical	\$ 3,800.00				
	45 Vegetation Control - Mechanical	\$ 2,000.00				
	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					
	80 Miscellaneous Work Activities	\$ 3,000.00				
	85 Engineering					
	90 Homeless Encampment Cleanup					
	TOTALS	\$19,000.00	\$0.00	\$889.12	5%	30-Jun-19

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Consultant/ Contractor: N/A
 Project Manager: Bill Tanner
 Bill Tanner - PW Director

Phone Number: 702-346-5237

REGIONAL FLOOD CONTROL DISTRICT
 MAINTENANCE WORK PROGRAM
 QUARTERLY STATUS REPORT - FY 2018-2019

MWP Facility #: ME02
 Facility Name: Abbott Wash Channel
 MP Facility ID: ABWA 0000-0233

Entity: City of Mesquite
 Date Prepared: 10/24/2018
 Quarter: 1st Jul/Aug/Sep

Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	03 Facility Assessment and Inventory					
	05 Inspect Channels	\$ 300.00		\$ 86.72		
	06 Inspect Levees/Detention and Debris Basins					
	08 Species Survey and Removal					
	10 Clean and Reshape Channels/Levees	\$ 3,000.00				
	15 Repair Lined Channel					
	20 Erosion Control and Repair	\$ 3,000.00				
	21 Provide/Maintain Dust Control	\$ 2,000.00				
	25 Clean Detention Debris Basins					
	35 Fence Repair					
	40 Vegetation Control - Chemical	\$ 2,500.00				
	45 Vegetation Control - Mechanical	\$ 1,000.00				
	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	\$ 500.00				
	80 Miscellaneous Work Activities	\$ 2,000.00				
	85 Engineering					
	90 Homeless Encampment Cleanup					
	TOTALS	\$14,300.00	\$0.00	\$86.72	1%	30-Jun-19

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Consultant/
 Contractor: N/A
 Project
 Manager: Bill Tanner
 Bill Tanner - PW Director

Phone Number: 702-346-5237

REGIONAL FLOOD CONTROL DISTRICT
 MAINTENANCE WORK PROGRAM
 QUARTERLY STATUS REPORT - FY 2018-2019

MWP Facility #: ME04
 Facility Name: Town Wash Detention Basin
 MP Facility ID: TOWA 0237-0267 & MNTP 0000

Entity: City of Mesquite
 Date Prepared: 10/24/2018
 Quarter: 1st Jul/Aug/Sep


Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	03 Facility Assessment and Inventory					
	05 Inspect Channels					
	06 Inspect Levees/Detention and Debris Basins	\$ 2,600.00		\$ 350.00		
	08 Species Survey and Removal					
	10 Clean and Reshape Channels/Levees					
	15 Repair Lined Channel					
	20 Erosion Control and Repair					
	21 Provide/Maintain Dust Control	\$ 4,000.00		\$ 4,000.00		
	25 Clean Detention Debris Basins	\$ 275,000.00		\$ 80,360.00		
	35 Fence Repair					
	40 Vegetation Control - Chemical					
	45 Vegetation Control - Mechanical					
	50 Maintain Access Road	\$ 800.00				
	55 Clean & Inspect Inlet/Outlet Structures	\$ 1,000.00				
	60 Repair Inlet/Outlet Structures					
	65 Clean Storm Sewer Lines					
	70 Storm Sewer Repair					
	75 Clean/Flush Culverts & Bridges					
	80 Miscellaneous Work Activities	\$ 4,000.00		\$ 197.05		
	85 Engineering	\$ 5,000.00				
	90 Homeless Encampment Cleanup					
	TOTALS	\$292,400.00	\$0.00	\$84,907.05	29%	30-Jun-19

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Consultant/ Contractor: N/A

Project Manager:  Phone Number: 702-346-5237

Bill Tanner - PW Director

REGIONAL FLOOD CONTROL DISTRICT
 MAINTENANCE WORK PROGRAM
 QUARTERLY STATUS REPORT - FY 2018-2019

MWP Facility #: ME07
 Facility Name: Pulsipher Wash
 MP Facility ID: PUWA 0000-0164

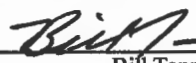
Entity: City of Mesquite
 Date Prepared: 10/24/2018
 Quarter: 1st Jul/Aug/Sep

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	03 Facility Assessment and Inventory					
	05 Inspect Channels	\$ 300.00	\$ 300.00	\$ 86.72		
	06 Inspect Levees/Detention and Debris Basins					
	08 Species Survey and Removal					
	10 Clean and Reshape Channels/Levees	\$ 14,000.00	\$ 14,000.00			
	15 Repair Lined Channel					
	20 Erosion Control and Repair	\$ 7,000.00	\$ 7,000.00			
	21 Provide/Maintain Dust Control	\$ 2,000.00	\$ 2,000.00			
	25 Clean Detention Debris Basins					
	35 Fence Repair					
	40 Vegetation Control - Chemical	\$ 3,000.00	\$ 2,036.34			
	45 Vegetation Control - Mechanical		\$ 963.66	\$ 963.66		
	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					
	80 Miscellaneous Work Activities	\$ 3,100.00	\$ 3,100.00	\$ 149.90		
	85 Engineering					
	90 Homeless Encampment Cleanup					
	TOTALS	\$29,400.00	\$29,400.00	\$1,200.28	4%	30-Jun-19

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Consultant/ Contractor: N/A
 Project Manager: 
 Bill Tanner - PW Director

Phone Number: 702-346-5237

REGIONAL FLOOD CONTROL DISTRICT
 MAINTENANCE WORK PROGRAM
 QUARTERLY STATUS REPORT - FY 2018-2019

MWP Facility #: ME08
 Facility Name: Abbott Wash Detention Basin
 MP Facility ID: ABWA 0234-0236

Entity: City of Mesquite
 Date Prepared: 10/24/2018
 Quarter: 1st Jul/Aug/Sep

Force Account/Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	03 Facility Assessment and Inventory					
	05 Inspect Channels					
	06 Inspect Levees/Detention and Debris Basins	\$ 2,500.00	\$ 2,500.00	\$ 350.00		
	08 Species Survey and Removal					
	10 Clean and Reshape Channels/Levees					
	15 Repair Lined Channel					
	20 Erosion Control and Repair	\$ 5,000.00	\$ 4,400.00			
	21 Provide/Maintain Dust Control	\$ 2,000.00	\$ 2,600.00	\$ 2,600.00		
	25 Clean Detention Debris Basins	\$ 40,000.00	\$ 40,000.00	\$ 16,575.00		
	35 Fence Repair					
	40 Vegetation Control - Chemical	\$ 1,000.00	\$ 1,000.00			
	45 Vegetation Control - Mechanical					
	50 Maintain Access Road	\$ 1,000.00	\$ 1,000.00			
	55 Clean & Inspect Inlet/Outlet Structures	\$ 2,500.00	\$ 2,500.00			
	60 Repair Inlet/Outlet Structures					
	65 Clean Storm Sewer Lines					
	70 Storm Sewer Repair					
	75 Clean/Flush Culverts & Bridges					
	80 Miscellaneous Work Activities	\$ 1,000.00	\$ 1,000.00	\$ 704.28		
	85 Engineering	\$ 5,000.00	\$ 5,000.00			
	90 Homeless Encampment Cleanup					
	TOTALS	\$60,000.00	\$60,000.00	\$20,229.28	34%	30-Jun-19

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Consultant/Contractor: N/A

Project Manager:  Phone Number: 702-346-5237

Bill Tanner - PW Director

REGIONAL FLOOD CONTROL DISTRICT
 MAINTENANCE WORK PROGRAM
 QUARTERLY STATUS REPORT - FY 2018-2019

MWP Facility #: ME09
 Facility Name: Pulsipher Wash Detention Basin
 MP Facility ID: PUWA 0166-0168

Entity: City of Mesquite
 Date Prepared: 10/24/2018
 Quarter: 1st Jul/Aug/Sep


Force Account/ Contract	Activity	Approved Work Plan Amount (\$)	Amended Work Plan Amount (\$)	Expended To Date (\$)	Percent Complete	Scheduled Completion Date
	03 Facility Assessment and Inventory					
	05 Inspect Channels					
	06 Inspect Levees/Detention and Debris Basins	\$ 2,500.00	\$ 2,500.00	\$ 350.00		
	08 Species Survey and Removal					
	10 Clean and Reshape Channels/Levees					
	15 Repair Lined Channel					
	20 Erosion Control and Repair	\$ 7,700.00	\$ 7,155.54			
	21 Provide/Maintain Dust Control	\$ 2,000.00	\$ 2,000.00	\$ 1,300.00		
	25 Clean Detention Debris Basins	\$ 10,000.00	\$ 10,000.00	\$ 5,100.00		
	35 Fence Repair					
	40 Vegetation Control - Chemical	\$ 1,000.00	\$ 1,000.00			
	45 Vegetation Control - Mechanical	\$ 1,000.00	\$ 1,000.00			
	50 Maintain Access Road					
	55 Clean & Inspect Inlet/Outlet Structures	\$ 2,500.00	\$ 2,500.00			
	60 Repair Inlet/Outlet Structures					
	65 Clean Storm Sewer Lines					
	70 Storm Sewer Repair					
	75 Clean/Flush Culverts & Bridges					
	80 Miscellaneous Work Activities	\$ 1,000.00	\$ 1,544.46	\$ 1,544.46		
	85 Engineering	\$ 2,000.00	\$ 2,000.00			
	90 Homeless Encampment Cleanup					
TOTALS		\$29,700.00	\$29,700.00	\$8,294.46	28%	30-Jun-19

Delays or problem areas:

Work completed during current quarter:

Work to be completed during next quarter:

Consultant/ Contractor: N/A

Project Manager:  Phone Number: 702-346-5237

Bill Tanner - PW Director

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV01
 Facility Name: Las Vegas Wash - "N" Channel
 MP Facility ID: LVNC 0001-0164

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ -		\$ -	0.00	0.00		
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ 23,500.00	(7,500.00)	\$ 16,000.00	0.00	16,000.00	0%	
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ -		\$ -	0.00	0.00		
	21 Provide/Maintain Dust Control	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	25 Clean Detention/Debris Basin	\$ -		\$ -	0.00	0.00		
	35 Fence Repair	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	40 Vegetation Control - Chemical	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	45 Vegetation Control - Mechanical	\$ -		\$ -	0.00	0.00		
	50 Maintain Access Road	\$ 7,500.00		\$ 7,500.00	0.00	7,500.00	0%	
	55 Clean & Inspect Inlet/Cutlet Structures	\$ -		\$ -	0.00	0.00		
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,075.00		\$ 14,075.00	0.00	14,075.00	0%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 1,500.00		\$ 1,500.00	0.00	1,500.00	0%	
	80 Miscellaneous Work Activities	\$ 24,000.00	(2,500.00)	\$ 21,500.00	781.33	20,718.67	4%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 77,575.00	(10,000.00)	\$ 67,575.00	\$ 781.33	66,793.67		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: Cleaned the vegetation and reshaped channel, cleaned the outlet structures and provided maintenance of access roads.

Work to be completed during current fiscal year: Clean upper access roadway removing vegetation with mechanical equipment, clean outlet structures. Remove other vegetation and graffiti throughout. Fencing needs will be repaired.

Consultant/
 Contractor:
 Project
 Manager: John Runiks

633-1267

**REGIONAL FLOOD CONTROL DISTRICT
MAINTENANCE WORK PROGRAM
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV02
 Facility Name: Las Vegas Wash - Middle
 MP Facility ID: LVMD 1648-1877

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ -		\$ -	0.00	0.00		
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ 23,500.00	(5,000.00)	\$ 18,500.00	13,371.78	5,128.22	72%	
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	21 Provide/Maintain Dust Control	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	25 Clean Detention/Debris Basin	\$ -		\$ -	0.00	0.00		
	35 Fence Repair	\$ 19,000.00	(5,000.00)	\$ 14,000.00	1,511.13	12,488.87	11%	
	40 Vegetation Control - Chemical	\$ 9,000.00		\$ 9,000.00	0.00	9,000.00	0%	
	45 Vegetation Control - Mechanical	\$ 15,000.00	(5,000.00)	\$ 10,000.00	0.00	10,000.00	0%	
	50 Maintain Access Road	\$ 17,500.00	(5,000.00)	\$ 12,500.00	0.00	12,500.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$ 5,000.00		\$ 5,000.00	0.00	5,000.00	0%	
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00	(5,000.00)	\$ 9,071.00	0.00	9,071.00	0%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 5,000.00		\$ 5,000.00	0.00	5,000.00	0%	
	80 Miscellaneous Work Activities	\$ 36,500.00	(12,405.62)	\$ 24,094.38	6,625.64	17,468.74	27%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 152,571.00	(37,405.62)	\$ 115,165.38	21,508.55	93,656.83		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: Staff has completed major vegetation removal and maintenance of the access roads and cleaned the trash within the channel. Major fence repairs were required.

Work to be completed during current fiscal year: Staff will clean all of the channels within and provide maintenance of all access roads. Repair fences, concrete, and erosion as needed, and remove vegetation, debris and graffiti throughout.

Consultant/
 Contractor:
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV03
 Facility Name: Las Vegas Wash - King Charles Channel
 MP Facility ID: LVKC 0000-0097

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ -		\$ -	0.00	0.00		
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ 4,000.00		\$ 4,000.00	0.00	4,000.00	0%	
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	21 Provide/Maintain Dust Control	\$ -		\$ -	0.00	0.00		
	25 Clean Detention/Debris Basin	\$ -		\$ -	0.00	0.00		
	35 Fence Repair	\$ 2,000.00		\$ 2,000.00	1,680.86	319.14	84%	
	40 Vegetation Control - Chemical	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	45 Vegetation Control - Mechanical	\$ -		\$ -	0.00	0.00		
	50 Maintain Access Road	\$ 1,000.00		\$ 1,000.00	0.00	1,000.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00		\$ 14,071.00	0.00	14,071.00	0%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	80 Miscellaneous Work Activities	\$ 26,500.00		\$ 26,500.00	9,015.05	17,484.95	34%	
	90 Homeless Encampment Cleanup			\$ -	0.00	0.00		
	TOTALS	57,071.00	0.00	\$ 57,071.00	\$ 10,695.91	46,375.09		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: General maintenance was completed.

Work to be completed during current fiscal year: Clean vegetation, graffiti and debris from the channel, repair fencing as needed, and clean inlets and outlets.

Consultant/
 Contractor:
 Project
 Manager: John Runiks

633-1267

47

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV04
 Facility Name: Vandenberg Detention Basin
 MP Facility ID: RWWE 0055-0350, RWWE 0363, RWRR 0000-0092,
 RWWA 0000-0104, RWLA 0000-0647, RWCC 0000

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amerded Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ 1,500.00		\$ 1,500.00	0.00	1,500.00	0%	
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ 4,000.00		\$ 4,000.00	0.00	4,000.00	0%	
	15 Repair Lined Channel	\$ 73,500.00	(38,823.26)	\$ 34,676.74	0.00	34,676.74	0%	
	20 Erosion Control and Repair	\$ 13,000.00	(3,000.00)	\$ 10,000.00	0.00	10,000.00	0%	
	21 Provide/Maintain Dust Control	\$ 10,000.00	(3,000.00)	\$ 7,000.00	0.00	7,000.00	0%	
	25 Clean Detention/Debris Basin	\$ 8,000.00		\$ 8,000.00	0.00	8,000.00	0%	
	35 Fence Repair	\$ 13,000.00	(3,000.00)	\$ 10,000.00	0.00	10,000.00	0%	
	40 Vegetation Control - Chemical	\$ 5,000.00		\$ 5,000.00	757.26	4,242.74	15%	
	45 Vegetation Control - Mechanical	\$ 1,000.00		\$ 1,000.00	0.00	1,000.00	0%	
	50 Maintain Access Road	\$ 1,500.00		\$ 1,500.00	0.00	1,500.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00	(4,000.00)	\$ 10,071.00	0.00	10,071.00	0%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	80 Miscellaneous Work Activities	\$ 23,000.00	(7,500.00)	\$ 15,500.00	459.63	15,040.37	3%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 172,071.00	(59,323.26)	\$ 112,747.74	\$ 1,216.89	111,530.85		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: Staff provided erosion control, dust control, fence repairs and vegetation removal along embankment slopes and access roads. Staff cleaned, inspected and maintained channels, inlet and outlet structures, and removed debris and graffiti as needed.

Work to be completed during current fiscal year: Staff will provide erosion control, dust control, fence repairs and vegetation removal along embankment slopes and access roads. Staff will clean, inspect and maintain channels, inlet and outlet structures, and remove debris and graffiti as needed. All the concrete work on the Vandenberg Channel between Lone Mountain & Craig Road will be removed and replaced as it's severely in need of replacement.

48

Consultant/
 Contractor:
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV05
 Facility Name: North Las Vegas Detention Basin
 MP Facility ID: LVUP 0388-0405, EKEA0000,0013

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ 4,500.00		\$ 4,500.00	0.00	4,500.00	0%	
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ -		\$ -	0.00	0.00		
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ -		\$ -	0.00	0.00		
	21 Provide/Maintain Dust Control	\$ 20,000.00	(5,000.00)	\$ 15,000.00	0.00	15,000.00	0%	
	25 Clean Detention/Debris Basin	\$ 80,000.00	(27,000.00)	\$ 53,000.00	0.00	53,000.00	0%	
	35 Fence Repair	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	40 Vegetation Control - Chemical	\$ -		\$ -	0.00	0.00		
	45 Vegetation Control - Mechanical	\$ 43,000.00	(10,517.14)	\$ 32,482.86	0.00	32,482.86	0%	
	50 Maintain Access Road	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ -		\$ -	0.00	0.00		
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ -		\$ -	0.00	0.00		
	80 Miscellaneous Work Activities	\$ 21,500.00		\$ 21,500.00	2,280.94	19,219.06	11%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 177,500.00	(42,517.14)	\$ 134,982.86	\$ 2,280.94	132,701.92		06/30/19

Delays or problem areas:

Work completed during prior fiscal year: Staff provided erosion control, dust control as needed, fence repairs as needed, provided vegetation removal, cleaned inlets and outlets and maintained access roads.

Work to be completed during current fiscal year: Staff will provide erosion control, maintain dust control, maintain access roads, clean outlets and inlets, remove vegetation and graffiti, and provide fence repairs.

Consultant/
 Contractor: _____
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV06
 Facility Name: Upper Las Vegas Wash Detention Basin and Moccasin Levee
 MP Facility ID: LVUP 0908-1077

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ 5,500.00		\$ 5,500.00	0.00	5,500.00	0%	
	8 Species Survey and Removal	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	10 Clean and Reshape Channel/Levees	\$ 8,000.00		\$ 8,000.00	0.00	8,000.00	0%	
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ 40,000.00	81,787.10	\$ 121,787.10	121,787.10	0.00	100%	
	21 Provide/Maintain Dust Control	\$ 20,000.00		\$ 20,000.00	0.00	20,000.00	0%	
	25 Clean Detention/Debris Basin	\$ 40,000.00	108,081.88	\$ 148,081.88	148,081.88	0.00	100%	
	35 Fence Repair	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	40 Vegetation Control - Chemical	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	45 Vegetation Control - Mechanical	\$ 5,500.00		\$ 5,500.00	0.00	5,500.00	0%	
	50 Maintain Access Road	\$ 1,500.00		\$ 1,500.00	0.00	1,500.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ -		\$ -	0.00	0.00		
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ -		\$ -	0.00	0.00		
	80 Miscellaneous Work Activities	\$ 20,500.00		\$ 20,500.00	2,020.18	18,479.82	10%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 151,500.00	189,868.98	\$ 341,368.98	\$ 271,889.16	69,479.82		06/30/19

Delays or problem areas: Worked with Las Vegas to remove debris being dumped.

Work completed during prior fiscal year: Staff provided erosion control, dust control as needed, fence repairs, vegetation removal, cleaned inlet and outlet structures, maintained access roads and provided scheduled maintenance on the levee.

Work to be completed during current fiscal year: Specific items needing attention include erosion on north side of levee, bottom of DB, and along Decatur; silt build-up inside DB and grading of inside basin access road; and vandalism in outlet structure. Conditions have worsened since Fall 2017 inspection. Staff will provide erosion and dust control, remove vegetation, provide fence repairs, clean outlets and inlets, maintain access roads and inspect/monitor levee.

Consultant/
 Contractor:
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV07
 Facility Name: Carey/Lake Mead Detention Basin
 MP Facility ID: LVLM 0000-0270, LVCS0000-0015

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ -		\$ -	0.00	0.00		
	6 Inspect Levees/Detention Basin & Debris Basins	\$ 1,800.00		\$ 1,800.00	0.00	1,800.00	0%	
	8 Species Survey and Removal	\$ 1,500.00		\$ 1,500.00	0.00	1,500.00	0%	
	10 Clean and Reshape Channel/Levees	\$ -		\$ -	0.00	0.00		
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ 15,000.00	(1,933.17)	\$ 13,066.83	0.00	13,066.83	0%	
	21 Provide/Maintain Dust Control	\$ 10,000.00		\$ 10,000.00	0.00	10,000.00	0%	
	25 Clean Detention/Debris Basin	\$ 12,000.00		\$ 12,000.00	0.00	12,000.00	0%	
	35 Fence Repair	\$ 6,500.00		\$ 6,500.00	0.00	6,500.00	0%	
	40 Vegetation Control - Chemical	\$ 5,000.00		\$ 5,000.00	0.00	5,000.00	0%	
	45 Vegetation Control - Mechanical	\$ 10,000.00		\$ 10,000.00	4,755.24	5,244.76	48%	
	50 Maintain Access Road	\$ -		\$ -	0.00	0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$ 5,000.00		\$ 5,000.00	0.00	5,000.00	0%	
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00	1,933.17	\$ 16,004.17	16,004.17	0.00	100%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	80 Miscellaneous Work Activities	\$ 19,700.00		\$ 19,700.00	0.00	19,700.00	0%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 103,071.00	0.00	\$ 103,071.00	\$ 20,759.41	82,311.59		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: Staff provided erosion control, cleaned trash and debris, and removed vegetation from rocky areas. Fencing was repaired, cleaned outlet structures, maintained access road, and provided major dust control. We were able to clean out one of two box culverts due to the size that comes from NLV 15.

Work to be completed during current fiscal year: Staff will provide dust control, vegetation removal, and repair damage fencing as needed. Clean along perimeter fence, and repair erosion along outer slopes. Boxes will be cleaned.

Consultant/
 Contractor: _____
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV08
 Facility Name: Gowan Outfall Channel
 MP Facility ID: GOOF 0000-0224, GOCR 0000-0080,
 GOLO 0000-0100

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ -		\$ -	0.00	0.00		
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ -		\$ -	0.00	0.00		
	21 Provide/Maintain Dust Control	\$ -		\$ -	0.00	0.00		
	25 Clean Detention/Debris Basin	\$ -		\$ -	0.00	0.00		
	35 Fence Repair	\$ 5,000.00		\$ 5,000.00	0.00	5,000.00	0%	
	40 Vegetation Control - Chemical	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	45 Vegetation Control - Mechanical	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	50 Maintain Access Road	\$ -		\$ -	0.00	0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00		\$ 14,071.00	0.00	14,071.00	0%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 8,000.00		\$ 8,000.00	0.00	8,000.00	0%	
	80 Miscellaneous Work Activities	\$ 24,000.00	(4,000.00)	\$ 20,000.00	0.00	20,000.00	0%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 61,571.00	(4,000.00)	\$ 57,571.00	\$ -	57,571.00		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: Repaired fencing, provided vegetation removal using mower, and maintained access roads.

Work to be completed during current fiscal year: Staff will remove any trash and debris, repair fencing, maintain access roads, remove vegetation and graffiti and clean inlet and outlet structures.

Consultant/
 Contractor: _____
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV10
 Facility Name: Upper Las Vegas Wash
 MP Facility ID: LVUP 0446-0493

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ -		\$ -	0.00	0.00		
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ -		\$ -	0.00	0.00		
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ -		\$ -	0.00	0.00		
	21 Provide/Maintain Dust Control	\$ -		\$ -	0.00	0.00		
	25 Clean Detention/Debris Basin	\$ -		\$ -	0.00	0.00		
	35 Fence Repair	\$ -		\$ -	0.00	0.00		
	40 Vegetation Control - Chemical	\$ -		\$ -	0.00	0.00		
	45 Vegetation Control - Mechanical	\$ -		\$ -	0.00	0.00		
	50 Maintain Access Road	\$ -		\$ -	0.00	0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ -	2,018.95	\$ 2,018.95	2,018.95	0.00	100%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ -		\$ -	0.00	0.00		
	80 Miscellaneous Work Activities	\$ 22,000.00	(4,018.95)	\$ 17,981.05	0.00	17,981.05	0%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 23,000.00	(2,000.00)	\$ 21,000.00	\$ 2,018.95	18,981.05		06/30/19

Delays or problem areas:

Work completed during prior fiscal year: Staff provided erosion control, dust control, and removed vegetation.

Work to be completed during current fiscal year: Staff will remove any debris and trash, and remove vegetation and provide erosion and dust control within the channel. Maintain restricted access roads by clearing out any vegetation and adding any regrinds to mitigate any dust activities.

Consultant/
 Contractor:
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV11
 Facility Name: Clayton Street Channel
 MP Facility ID: LV03 0000-0131, LVSM 0000-0109

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ -		\$ -	0.00	0.00		
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ 5,000.00		\$ 5,000.00	0.00	5,000.00	0%	
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ -		\$ -	0.00	0.00		
	21 Provide/Maintain Dust Control	\$ -		\$ -	0.00	0.00		
	25 Clean Detention/Debris Basin	\$ -		\$ -	0.00	0.00		
	35 Fence Repair	\$ 4,500.00		\$ 4,500.00	0.00	4,500.00	0%	
	40 Vegetation Control - Chemical	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	45 Vegetation Control - Mechanical	\$ -		\$ -	0.00	0.00		
	50 Maintain Access Road	\$ -		\$ -	0.00	0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00		\$ 14,071.00	1,710.80	12,360.20	12%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 1,000.00		\$ 1,000.00	0.00	1,000.00	0%	
	80 Miscellaneous Work Activities	\$ 22,000.00	(5,000.00)	\$ 17,000.00	1,256.44	15,743.56	7%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 52,571.00	(5,000.00)	\$ 47,571.00	\$ 2,967.24	44,603.76		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: Staff repaired fencing, provided vegetation removal, and cleaned inlet and outlet structures.

Work to be completed during current fiscal year: Staff will provide fencing repairs as needed, provide vegetation removal, and clean inlet and outlet structures. Repair erosion at mid channel west side shoulder and at Tropical Parkway at the back of sidewalk.

Consultant/
 Contractor:
 Project
 Manager: John Runiks

633-1267

54

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV12
 Facility Name: Lower Las Vegas Detention Basin
 MP Facility ID: LVMD 1905-2055

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	8 Species Survey and Removal	\$ 1,500.00		\$ 1,500.00	0.00	1,500.00	0%	
	10 Clean and Reshape Channel/Levees	\$ -		\$ -	0.00	0.00		
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ 15,000.00	(5,000.00)	\$ 10,000.00	0.00	10,000.00	0%	
	21 Provide/Maintain Dust Control	\$ 10,000.00		\$ 10,000.00	0.00	10,000.00	0%	
	25 Clean Detention/Debris Basin	\$ 10,000.00	27,405.62	\$ 37,405.62	37,405.62	0.00	100%	
	35 Fence Repair	\$ 6,500.00		\$ 6,500.00	0.00	6,500.00	0%	
	40 Vegetation Control - Chemical	\$ 7,000.00		\$ 7,000.00	0.00	7,000.00	0%	
	45 Vegetation Control - Mechanical	\$ -		\$ -	0.00	0.00		
	50 Maintain Access Road	\$ 1,000.00		\$ 1,000.00	0.00	1,000.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00		\$ 14,071.00	0.00	14,071.00	0%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 2,500.00		\$ 2,500.00	0.00	2,500.00	0%	
	80 Miscellaneous Work Activities	\$ 20,500.00	(5,000.00)	\$ 15,500.00	0.00	15,500.00	0%	
	90 Homeless Encampment Cleanup			\$ -	0.00	0.00		
	TOTALS	\$ 94,071.00	17,405.62	\$ 111,476.62	\$ 37,405.62	74,071.00		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: Staff provided erosion control, fencing repairs, removed vegetation, cleaned inlet and outlet structures, maintained access roads, and removed large amount of trash and debris from rain events.

Work to be completed during current fiscal year: Staff will remove trash and debris, provide fencing repairs as needed, maintain access roads, clear out vegetation, clean inlet and outlet structures, and remediate any rills within the embankment. Remove/clean vegetation, trash, and debris north of pedestrian bridge, and repair erosion on south abutment slope and north of pedestrian bridge.

Consultant/
 Contractor: _____
 Project
 Manager: John Runiks

633-1267

55

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV13
 Facility Name: West Trib - Ranch House Rd to Lower LV DB
 MP Facility ID: ANWE 0000-0122, CNWE 0000
LVMD 2060-2322, GTEA0000-0139, AVHR0050

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Wcrk Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ -		\$ -	0.00	0.00		
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ 6,000.00		\$ 6,000.00	0.00	6,000.00	0%	
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	21 Provide/Maintain Dust Control	\$ -		\$ -	0.00	0.00		
	25 Clean Detention/Debris Basin	\$ -		\$ -	0.00	0.00		
	35 Fence Repair	\$ 4,000.00		\$ 4,000.00	0.00	4,000.00	0%	
	40 Vegetation Control - Chemical	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	45 Vegetation Control - Mechanical	\$ -		\$ -	0.00	0.00		
	50 Maintain Access Road	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00		\$ 14,071.00	7,850.49	6,220.51	56%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	80 Miscellaneous Work Activities	\$ 21,000.00		\$ 21,000.00	9,884.32	11,115.68	47%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 58,071.00	0.00	\$ 58,071.00	\$ 17,734.81	40,336.19		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: Repaired fencing, provided vegetation removal, cleaned inlet and outlet structures, and maintained access roads.

Work to be completed during current fiscal year: Staff will remove any trash and debris, provide fencing repairs, maintain access roads, clear out vegetation, and clean inlets and outlets. Repair continuous access road erosion and rebuild berm at Clayton.

Consultant/
 Contractor:
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV14
 Facility Name: Tributary to the Western Trib @ Craig Road
 MP Facility ID: LV06 0000-0147, LV05 0000-0131,
 LVBR 0000-0014, LVCL 0000

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ -		\$ -	0.00	0.00		
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ 5,500.00		\$ 5,500.00	0.00	5,500.00	0%	
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ -		\$ -	0.00	0.00		
	21 Provide/Maintain Dust Control	\$ -		\$ -	0.00	0.00		
	25 Clean Detention/Debris Basin	\$ -		\$ -	0.00	0.00		
	35 Fence Repair	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	40 Vegetation Control - Chemical	\$ 4,500.00		\$ 4,500.00	0.00	4,500.00	0%	
	45 Vegetation Control - Mechanical	\$ -		\$ -	0.00	0.00		
	50 Maintain Access Road	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00		\$ 14,071.00	0.00	14,071.00	0%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	80 Miscellaneous Work Activities	\$ 21,000.00	(5,000.00)	\$ 16,000.00	1,324.30	14,675.70	8%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 54,571.00	(5,000.00)	\$ 49,571.00	\$ 1,324.30	48,246.70		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: Repaired fencing, provided vegetation removal, cleaned inlet and outlet structures and maintained access roads.

Work to be completed during current fiscal year: Staff will remove vegetation, trash and debris, provide fencing repairs, maintain access roads, and clean inlet and outlet structures. Repair any concrete damage from NLV02 to NLV12, and maintain the joint seals throughout the channels.

Consultant/
 Contractor: _____
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV15
 Facility Name: Las Vegas Wash - Smoke Ranch
 MP Facility ID: LVSF 0000-0295, LAAT 0000-0204,
 LANO 0000, LAAS 0000-0103

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ -		\$ -	0.00	0.00		
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	21 Provide/Maintain Dust Control	\$ -		\$ -	0.00	0.00		
	25 Clean Detention/Debris Basin	\$ -		\$ -	0.00	0.00		
	35 Fence Repair	\$ -		\$ -	0.00	0.00		
	40 Vegetation Control - Chemical	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	45 Vegetation Control - Mechanical	\$ -		\$ -	0.00	0.00		
	50 Maintain Access Road	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$ 2,500.00		\$ 2,500.00	0.00	2,500.00	0%	
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00		\$ 14,071.00	0.00	14,071.00	0%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 1,000.00		\$ 1,000.00	0.00	1,000.00	0%	
	80 Miscellaneous Work Activities	\$ 20,000.00	(5,000.00)	\$ 15,000.00	306.42	14,693.58	2%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 50,571.00	(5,000.00)	\$ 45,571.00	\$ 306.42	45,264.58		06/30/19

Delays or problem areas:

Work completed during prior fiscal year: Repaired fencing, removed vegetation, cleaned storm drains, and outlet and inlet structures, and maintained access roads.

Work to be completed during current fiscal year: Staff will remove trash and debris, provide fencing repairs as needed, maintain access roads, remove vegetation, clean inlet and outlet structures, and clean/inspect storm drains. Repair erosion along east side of channel and along entire channel bottom.

Consultant/
 Contractor: _____
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18**

MWP Facility #: NLV16
 Facility Name: Upper Las Vegas Wash Channel
 MP Facility ID: LVLO 0000-0025, TREA 0000-0134, LVUP 0000-0392,
 CNEA 0000-0176, ANEA 0000-0040, LV5C 0000-0063

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ -		\$ -	0.00	0.00		
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ 1,000.00		\$ 1,000.00	0.00	1,000.00	0%	
	15 Repair Lined Channel	\$ 106,573.00	(21,269.96)	\$ 85,303.04	0.00	85,303.04	0%	
	20 Erosion Control and Repair	\$ -		\$ -	0.00	0.00		
	21 Provide/Maintain Dust Control	\$ -		\$ -	0.00	0.00		
	25 Clean Detention/Debris Basin	\$ -		\$ -	0.00	0.00		
	35 Fence Repair	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	40 Vegetation Control - Chemical	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	45 Vegetation Control - Mechanical	\$ -		\$ -	0.00	0.00		
	50 Maintain Access Road	\$ -		\$ -	0.00	0.00		
	55 Clean & Inspect Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00		\$ 14,071.00	3,616.87	10,454.13	26%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 52,000.00		\$ 52,000.00	0.00	52,000.00	0%	
	80 Miscellaneous Work Activities	\$ 20,000.00		\$ 20,000.00	3,267.78	16,732.22	16%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 201,644.00	(21,269.96)	\$ 180,374.04	\$ 6,884.65	173,489.39		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: Staff provided trash and debris removal, repaired fencing as needed, maintained access roads, removed vegetation and graffiti as needed, and cleaned storm drains, channels, and culverts. Repaired damaged steps between Deer Springs & Lawrence.

Work to be completed during current fiscal year: Staff will provide trash and debris removal, repair fencing as needed, maintain access roads, remove vegetation and graffiti as needed, and clean storm drains, channels and culverts. Using maintenance funds, the channel between Camino Eldorado & Revere Street will be lined and free of gabion rocks making an easier clean up, and removed the stench from the complaints received from the community.

Consultant/
 Contractor: _____
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV17
 Facility Name: Range Wash - Las Vegas Wash Diversion & Levee
 MP Facility ID: LVRW 0000-0293

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	6 Inspect Levees/Detention Basin & Debris Basins	\$ 1,500.00		\$ 1,500.00	0.00	1,500.00	0%	
	8 Species Survey and Removal	\$ 1,500.00		\$ 1,500.00	0.00	1,500.00	0%	
	10 Clean and Reshape Channel/Levees	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ 106,000.00	(15,758.62)	\$ 90,241.38	47,436.71	42,804.67	53%	
	21 Provide/Maintain Dust Control	\$ 25,000.00		\$ 25,000.00	0.00	25,000.00	0%	
	25 Clean Detention/Debris Basin	\$ -		\$ -	0.00	0.00		
	35 Fence Repair	\$ -		\$ -	0.00	0.00		
	40 Vegetation Control - Chemical	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	45 Vegetation Control - Mechanical	\$ -		\$ -	0.00	0.00		
	50 Maintain Access Road	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ -		\$ -	0.00	0.00		
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ -		\$ -	0.00	0.00		
	80 Miscellaneous Work Activities	\$ 20,000.00		\$ 20,000.00	0.00	20,000.00	0%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 162,000.00	(15,758.62)	\$ 146,241.38	\$ 47,436.71	98,804.67		06/30/19

Delays or problem areas:

Work completed during prior fiscal year: Staff provided major erosion control, fencing repairs, vegetation removal and dust control.

Work to be completed during current fiscal year: Clear access route into DB, repair erosion on embankment slopes, provide fencing repairs, remove vegetation, and provide dust control as needed. Staff will also maintain access roads, monitor and inspect levee.

Consultant/
 Contractor: _____
 Project
 Manager: John Runiks

633-1267

**Regional Flood Control District
Maintenance Work Program
1st Qtr, Jul'18-Sept'18
FY 2018-2019**

MWP Facility #: NLV18
 Facility Name: Cheyenne Peaking Basin
 MP Facility ID: LVMD 1594-1647

Entity: City of North Las Vegas
 Date Prepared: 10/18/18

Force Account/ Contract	Activity	Requested Work Plan Amount (\$)	Reallocation Amount (\$)	Amended Work Plan Amount (\$)	Expended to Date (\$)	Balance Remaining (\$)	Percent Complete	Scheduled Completion Date
	3 Facility Assessment and Inventory	\$ 500.00		\$ 500.00	0.00	500.00	0%	
	5 Inspect Channels	\$ -		\$ -	0.00	0.00		
	6 Inspect Levees/Detention Basin & Debris Basins	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	8 Species Survey and Removal	\$ -		\$ -	0.00	0.00		
	10 Clean and Reshape Channel/Levees	\$ -		\$ -	0.00	0.00		
	15 Repair Lined Channel	\$ -		\$ -	0.00	0.00		
	20 Erosion Control and Repair	\$ -		\$ -	0.00	0.00		
	21 Provide/Maintain Dust Control	\$ -		\$ -	0.00	0.00		
	25 Clean Detention/Debris Basin	\$ 10,000.00	2,224.41	\$ 12,224.41	12,224.41	0.00	100%	
	35 Fence Repair	\$ 5,000.00		\$ 5,000.00	0.00	5,000.00	0%	
	40 Vegetation Control - Chemical	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	45 Vegetation Control - Mechanical	\$ 3,500.00		\$ 3,500.00	0.00	3,500.00	0%	
	50 Maintain Access Road	\$ 3,000.00		\$ 3,000.00	0.00	3,000.00	0%	
	55 Clean & Inspect Inlet/Outlet Structures	\$ 1,500.00		\$ 1,500.00	0.00	1,500.00	0%	
	60 Repair Inlet/Outlet Structures	\$ -		\$ -	0.00	0.00		
	65 Clean Storm Sewer Lines	\$ 14,071.00		\$ 14,071.00	0.00	14,071.00	0%	
	70 Storm Sewer Repair	\$ -		\$ -	0.00	0.00		
	75 Clean/Flush Culverts & Bridges	\$ 2,000.00		\$ 2,000.00	0.00	2,000.00	0%	
	80 Miscellaneous Work Activities	\$ 23,000.00	(2,224.41)	\$ 20,775.59	0.00	20,775.59	0%	
	90 Homeless Encampment Cleanup	\$ -		\$ -	0.00	0.00		
	TOTALS	\$ 68,071.00	0.00	\$ 68,071.00	\$ 12,224.41	55,846.59		06/30/19

Delays or problem areas: Removed many encampments.

Work completed during prior fiscal year: Staff provided erosion control, dust control, fencing repairs, vegetation removal, cleaned inlet and outlet structures and maintained access roads.

Work to be completed during current fiscal year: Staff will provide dust control as needed, maintain access roads, and clean inlet and outlet structures. Remove/clean trash and debris in dam diverters and in channel, and remove vegetation in basin bottom, basin outlet grate, and on upper road south of Civic Center. Remove graffiti and repair fence at end of Bulloch.

Consultant/
 Contractor:
 Project
 Manager: John Runiks

633-1267

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT:

UNIVERSITY OF NEVADA, LAS VEGAS
COST REIMBURSEMENT RESEARCH PROJECT
SECOND AMENDMENT TO THE CONSULTANT CONTRACT

PETITIONER:

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

RECOMMENDATION OF PETITIONER:

THAT THE BOARD APPROVE AND AUTHORIZE THE GENERAL MANAGER TO SIGN THE SECOND AMENDMENT TO THE CONSULTANT CONTRACT WITH THE UNIVERSITY OF NEVADA, LAS VEGAS (UNLV) TO REVISE THE SCOPE AND EXTEND THE CONTRACT FOR A RESEARCH PROJECT TO INVESTIGATE IMPACTS OF LATERAL FLOWS TO MAIN LINE CHANNEL FACILITIES THROUGHOUT CLARK COUNTY (FOR POSSIBLE ACTION)

FISCAL IMPACT: \$148,913.00

BACKGROUND:

On June 8, 2017, the District entered into a consultant contract with UNLV to conduct a research project to investigate impacts of lateral flows to main line channel facilities throughout Clark County. On April 12, 2018 the Board approved the first supplement to extend the term of the contract.

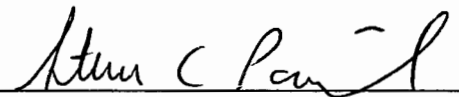
The District has negotiated a revision to the scope of a Consultant Contract with UNLV to conduct a research project to investigate impacts of lateral flows to main line channel facilities throughout Clark County for multiple flow ratios and entry angles. Flume testing has been completed for this project, but data results are limited due to the physical constraints of the flume. UNLV proposes to supplement the data using of three-dimensional computer simulations that have been calibrated

TAC AGENDA ITEM #08 Date: 11/29/18	RFCD AGENDA ITEM # Date: 12/13/18
CAC AGENDA ITEM #08 Date: 12/03/18	

using the previous flume test results. These simulations will allow for multiple flow rates, angles of entry and channel section geometries to be investigated resulting in a more complete analysis to determine the appropriate criteria to be used for these structures.

UNLV requests an extension of time to complete the additional work. It is requested to extend the term of the contract from December 31, 2018 to December 31, 2019. The District Attorney has reviewed the Contract.

Respectfully submitted,


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

TAC AGENDA ITEM #08 Date: 11/29/18	RFCD AGENDA ITEM # Date: 12/13/18
CAC AGENDA ITEM #08 Date: 12/03/18	

UNIVERSITY OF NEVADA, LAS VEGAS
Cost Reimbursement Research Agreement
Second Amendment to the Agreement

This Second Amendment to the Research Agreement (AGREEMENT) is made effective December 13, 2018, by and between the Board of Regents, Nevada System of Higher Education on behalf of the University of Nevada, Las Vegas, having its principal offices at 4505 Maryland Parkway, Las Vegas, Nevada, 89154-1055 (hereinafter known as "UNLV") and Clark County Regional Flood Control District, having an office at 600 South Grand Central Parkway, Suite 300, Las Vegas, Nevada, 89106 (hereinafter known as "SPONSOR").

WHEREAS, UNLV possesses the expertise to conduct research projects including studies which will investigate impacts of lateral flows to main line channel facilities throughout Clark County for multiple flow ratios and entry angles herein referred to as Project or Research;

WHEREAS, the research program contemplated by this Agreement is of mutual interest and benefit to UNLV and SPONSOR, will further the University's instructional and research objectives in a manner consistent with its status as a non-profit, tax-exempt, educational institution, and may produce benefits for both UNLV and SPONSOR;

WHEREAS, the SPONSOR intends to use the research obtained by the PROJECT to update its Hydrologic Criteria and Drainage Design Manual which is disseminated for public use;

WHEREAS, based on the results of the investigation, UNLV will propose modifications as necessary to the existing criteria for design of lateral connections to mainline channel facilities;

WHEREAS, SPONSOR desires to have UNLV perform the Project;

WHEREAS, an AGREEMENT was approved between UNLV and SPONSOR on June 8, 2017; and

WHEREAS, a First Amendment to the AGREEMENT was approved between UNLV and SPONSOR on April 12, 2018 to extend the date of the AGREEMENT;

WHEREAS, UNLV and SPONSOR wish to increase the scope of the project and extend the term of the AGREEMENT.

NOW THEREFORE, in consideration of the premises and mutual covenants contained herein, the parties agree as follows:

Section I, STATEMENT OF WORK, shall be changed to read as follows:

I. STATEMENT OF WORK

UNLV shall furnish the necessary personnel, materials, services, facilities, and equipment to perform the research program as described in the proposal entitled "*Design of Lateral Confluences of Flood Control Channels*", Attachment A and "*Proposal for Time and Cost Extension for the Continuation of the Project Entitled: 'Design of Lateral Confluences of Flood Control Channels'*", Attachment B (the "Research"), which are attached hereto and made a part hereof for all purposes.

Section II, PERIOD OF PERFORMANCE, shall be changed to read as follows:

II. PERIOD OF PERFORMANCE

The Research shall be conducted during the period commencing June 1, 2017 and ending December 31, 2019 (the "Completion Date"). The Completion Date may be modified or extended only by mutual written agreement of the Parties.

Section III, ALLOWABLE COSTS AND PAYMENT, shall be changed to read as follows:

III. ALLOWABLE COSTS AND PAYMENT

SPONSOR agrees to subject to the monetary limitation set forth herein reimburse UNLV for the actual direct and indirect costs incurred by UNLV in the performance of the Research. Total reimbursement shall not exceed \$244,000.00 as identified in Attachment A and \$148,913.00 as identified in Attachment B, for a total amount not to exceed \$392,913.00 without written authorization from the SPONSOR.

UNLV will render its invoices no more frequently than monthly to the SPONSORS Contractual/Financial POC in Article IV. Each invoice will include a detailed itemized statement of direct and indirect cost components. SPONSOR will pay for all work satisfactorily performed within 45 calendar days of receipt of invoice.

Payments should be made payable to the University of Nevada, Las Vegas. **Make reference to the Principal Investigator and the Title of the Research Program funded under the AGREEMENT**, and submit payment to the following address:

Office of Sponsored Programs
University of Nevada, Las Vegas
4505 Maryland Parkway, Box 451055
Las Vegas, NV 89154-1055

After 30 calendar day written notification to the SPONSOR, UNLV reserves the right to discontinue the Project if SPONSOR fails to pay any UNLV invoice for satisfactorily performed work within the time specified.

All other sections of the original AGREEMENT and First Amendment to the AGREEMENT shall remain unchanged.

IN WITNESS WHEREOF, the parties hereto have caused this Second Amendment to the AGREEMENT to be duly executed by their duly authorized officers the day and year set forth below.

**The Board of Regents
Nevada System of Higher Education District
On Behalf of
The University of Nevada, Las Vegas**

**SPONSOR
Clark County Regional Flood Control
600 South Grand Central Parkway, Ste. 300
Las Vegas, Nevada 89106**

By: _____

By: _____

Name: _____

Name: _____

Title: _____

Title: _____

Date: _____

Date: _____

Attachment A



Howard R. Hughes College of Engineering

Design of Lateral Confluences of Flood Control Channels

Technical Point of Contact: Dr. Moses Karakouzian

Presented to:

Clark County Flood Control District

April 13, 2017

Table of Contents

I. Background and Objectives	2
II. Prior Studies	2
III. Proposed Tasks.....	6
A. Literature Review	6
B. Summarize System Data	6
C. Experimental Design/Similitude Analysis	7
D. Develop Testing Matrix	7
E. Flume Modifications	8
F. Testing.....	8
G. Analysis of Results.....	10
H. Develop Proposed Design Approach and Report.....	10
IV. Budget and Milestones	11
A. Budget and Justification	11
B. Milestones	13
V. Bibliography.....	13

Design of Lateral Confluences of Flood Control Channels

I. BACKGROUND AND OBJECTIVES

Current practice requires tributaries to CCRFCD flood control channels to enter at small angles to avoid disrupting flow in the main channel and impacting channel capacity. These small angles are costly to construct and their value is questionable, especially when tributary flow is small compared to the main channel capacity. This is often the case, especially for smaller tributaries and conduits.

This study will evaluate the impact of tributary discharges into open channels across a range of flows, velocities, and entrance angles. The results will be used to evaluate existing design criteria and refine them to the extent possible.

II. PRIOR STUDIES

Efforts to investigate the impact of junction in open channels date back to 1936, in which Ippen and Knapp tried to find a relation for super-critical flow in open channels [1]. In 1938, a two-dimensional equation was presented by Von Karman to govern the flow [2]. It was 1944 when Taylor demonstrated an equation relating the depth of junction to upstream and downstream of a junction and used some experiments to verify his equation for a 45-degree junction [3]. Super-critical flow in a channel junction was analyzed by Bowers (1950) [4]. Ippen and Dawson as well as Rouse presented their studies about designing channels in 1951 [5]. Further analysis regarding the angle between channels was carried out by Schnitter et al. in 1955 [2]. In 1966 Behlke and Pritchett studies involved analyzing super-critical flow in junctions with three different angles, 15 degrees, 30 degrees and 45 degrees [6].

More studies were carried out recently with different assumptions and angle deviations. In 1989 W. Hagger published results of his studies in the Journal of Hydraulic Engineering, which includes theoretical and experimental investigation of the flow in junctions with 22.5 degrees and 45 degrees. He selected rectangular channels with equal branch width for his investigation and concluded his results with a couple of formulas to predict the depth of flow at junction [2]. Studies by G. Christodoulou (1993) involved formation of a hydraulic jump at a super-critical flow at junctions with 90-degree and 17-degree angles and with different Froude numbers [7]. In another effort, W. Hagger (1989) summarized that in order to have transitional flow at junctions for

rectangular channels with equal widths; the lateral discharge must be more than 15 percent of the total discharge [8].

Specially, this last investigation carried out by Hagger illustrates a good relation for flow discharge upstream and downstream in different angles of junction and Froude numbers. The experiment was carried out in a rectangular channel with 0.5 m (1.64 ft.) width. Main and lateral branch were 0.096 m (0.315 ft.) and with three different confluence angles (22.5 degrees, 45 degrees and 90 degrees). In his experiment he recorded depth and velocity of flow alongside the channel walls and demonstrated the results in two dimensional plots. The results show an increase in velocity near the outer wall for both upstream and downstream while the velocity vectors remained parallel. In contrast, for the inner wall, the velocity decreased significantly and the directions of vectors of velocity changed.

M. Schwalt and H. Hager (1995) conducted an experiment to illustrate the wave behavior in three different locations at a junction which were as follows: location C demonstrating junction wave located at the rare end of junction followed by location B and D at downstream. The origin of the supercritical flow is the point at which two branches join together. Based on their observation, wave B was irrelevant to the junction angle and presented the highest wave, while wave C and D were relevant to the junction angle. They indicate that for junctions with angles between zero (parallel branches) to 15 degrees (described as weak angle), wall waves may occur, thus it is important to take the separation zone into account. While for junctions with angles between 15 degrees and 40 degrees (described as strong junction angle), divided impact wave creates a backflow into the upstream branch which results in a highly disturbed wave shape. For junctions with a 90-degree angle, a local hydraulic jump was observed and therefore they recommend the junction angle be limited to 40 degrees. They also indicated that backflow will occur in junctions which the flow in one branch is weaker to create a supercritical flow downstream [9].

A. S. Ramamurthy and L. B. Carballada (1988) conducted an experiment with rectangular open channels with equal width and 90-degree junction. They summarized that the pressure on the walls of channel branches can be used to estimate the amount of momentum caused from branch channel. They also emphasized the importance of the depth of water upstream of the junction in designing open channel networks [10]. W. H. Hager and C. Gissoni (2005) experimented on sewer manholes with 45-degree and 90-degree junctions and demonstrated that any change in hydraulic or

geometric parameters such as change in cross section or the direction of the lateral branch as well as increased water discharge will result in supercritical flow in the manhole. In order to prevent any complicated and dangerous flow creation, both upstream and downstream should be designed in a way so as to maintain supercritical flow [11].

U.S. Army Engineer Los Angeles District (1975) reported that minimal junction angle and the length of the downstream transition wall are two major parameters that should be taken into account in designing confluence structure. They carried out several experiments on open channels with various junction angles and recommended the junction angle be limited to 12 degrees [12]. This recommendation for limiting the angle of the junction is repeated in a U.S Army Corps of Engineers report in 2006 [13]. G. Kesserwani, J. Vazquez and N. Rivere (2010) presented a new method for calculating and predicting the ratio of discharge at side outflow to the main channel flow [14]. S. Shabayek and P. Steffler (1999) presented a one-dimensional theoretical model to predict subcritical flows in open channel junctions. They used a shear coefficient to evaluate the shear force in a separation zone and noticed this coefficient is mainly related to the angle of the junction [15].

Z. Ting and X. Wei-lin (2009) presented a 3-D model to evaluate flow at 90-degree junction channels with equal width and then carried out experiments to validate their results [16]. Experiments conducted by J. L. Best and I. Reid (1984) on open channels with five different junction angles (15 degrees, 30 degrees, 45 degrees, 70 degrees and 90 degrees) illustrated that low-angle junctions will decrease the probability of damage during flood time [17]. J. D. Riley, B. L. Rhoads team (2014) indicated that junction angle is a dominant factor in predicting flow deflection degree in junction of meander bends [18]. M. M. L. Pinto Coelho (2015) conducted several experiments to evaluate the level of water at open channel junction with 30-degree and 60-degree angles under different flow conditions and determined the maximum depth of water at confluence compared to the critical depth at downstream [19].

Based on laboratory experiments carried out by C. E. Behlke and H. D. Pritchett (1966) in a designed channel junction, zero flow in one channel has the capability to highly pileup waves in the other channel due to the Froude number for side channel with zero flow condition. In order to minimize this wave pileup and its effect to side walls, keeping the junction angle between two channels to a relatively small angle is recommended [6]. Another study carried out by R. L.

Stockstill (2007) investigated the influence of the flow from a lateral channel to a high-velocity main channel. This experiment demonstrated that a lateral channel with 90-degree junction angle can produce a choked flow in a main channel while wave height increase is lower for channels with a smaller junction angle. This increase in wave depth neutralizes in a distance more than 10 times the channel width at downstream [20]. He also modeled junctions with three different angles, 30 degrees, 60 degrees and 90 degrees and indicated that increase in junction angle results in increase in peak wave height [21]. P. Biron, J. L. Best and A. G. Roy (1996) conducted several investigations on a junction with a 30-degree angle and indicated that any disorder in the bed will destroy the flow and the flow distorts from the deeper channel towards the shallower channel in the junction [22].

S. G. Kumar (1993) studied transition flow in junctions and presented an equation for calculating transitional flow depth at the junction [23]. Y. Nedelec and B. Gay (2008) carried out experimental studies to evaluate the junction created between a pipe and an open channel and summarized that in case of a combination of high flow in the pipe and high-channel discharge capacity, the outlet flow would have a non-negligible influence on tail water at upstream [24]. A. R. Ramamurthy, D. M. Tran and L. B. Carballada (1994) worked on hydraulic resistance in the junction caused by combining two flows and presented equations to estimate the depth of water at the stagnation zone in the junction upstream corner. They concluded that it is necessary to design the junction in a way to limit the magnitude of the blockage and conserve the hydraulic energy of the flow [25]. S. Creelle, T. Mulder and their team (2014) presented the effects of bed friction at the junction area on features of the flow in open channels [26].

An investigation carried out by B. L. Rhoads and A. N. Sukhodolov (2008) illustrated that strong lateral momentum creates a progressive acceleration in downstream velocity [27]. W. Xiekang and W. Xianye (2007) studied the behavior of flow at a junction with a 30-degree angle and indicated that due to a lateral flow tributary a backwater was created in the upstream. They illustrated creation of a separation zone beside an inner wall, immediately after a junction that leads to a high-speed zone in the middle of the channel beside a separation zone and a low-speed zone close to the outer wall [28]. S. K. Gurram, K. S. Karki and W. H. Hager (1997) investigated and analyzed the subcritical flow condition at junctions with three different angles: 30 degrees, 60 degrees and 90 degrees and indicated that the flow behavior at junction is related to the ratio of the lateral flow

to the total flow, the amount of angle in junction and the Froude number at tailwater. They also created photographic documents demonstrating the influence of the lateral flow on main flow. While for junction with a 30-degree angle, this influence is low, in junction with a 90-degree angle the lateral flow has a non-negligible effect on the opposite side wall [29]. L. J. Weber and N. Mawer (2001) worked on a 3D model to investigate the flow behavior in an open channel with a 90-degree junction and indicated that any increase in discharge from branch channel would increase the length of the separation zone. Any decrease in the junction angle will diminish the lateral momentum and consequently create a narrower separation zone near bed depths [30].

In this literature review theoretical and experimental investigations were examined from 30 different documents. In conclusion, any junction in a channel should be considered as a point which will disturb the water's natural wave. This wave disturbance and increase in wave height is higher close to the outer wall of the main channel. Conversely, it has a direct relation with the angle of the junction and the higher the angle junction the more wave disturbance in the main channel. This has led several agencies (e.g., U.S Army Corps of Engineers) to suggest limiting this angle to 12 degrees.

III. PROPOSED TASKS

A. Literature Review

An abbreviated search for similar studies was completed to support the development of this proposal and summarized above. This review identified multiple prior studies of channel and tributary confluences, but none for supercritical main channel flow conditions with tributary contributions of 10% or less of the main channel flow. A comprehensive literature review will be completed as the first task to ensure the research is not duplicative of existing work. This literature review will be summarized in a report to CCRFD.

B. Summarize System Data

The range of channel confluences and inlets within the CCRFCD system will be summarized to inform laboratory testing. This is expected to consist primarily of obtaining system information from CCRFCD and summarizing the components of interest (inlets and confluences). Our understanding is that this data is readily available and should require little effort.

C. Experimental Design/Similitude Analysis

The laboratory setup will mimic the inlets and confluences¹ of interest at the range of flows and channel conditions that might be experienced. Reynolds and Froude numbers must be matched, but the channel and inlet sizes need to be hydraulically proportional as well. Similitude analysis will be used to scale actual pipe sizes, channel widths and flow rates so that the laboratory system is representative of CCRFD confluences of interest.

D. Develop Testing Matrix

A robust testing matrix will be required to fully realize the objectives of this research. The table below illustrates a potential testing matrix. It shows testing at a range of inlet angles, from 15 degrees to 90 degrees at evenly spaced intervals. It also shows flow proportions from a minor tributary input (10:1) to equivalent flows from the main channel and the tributary (1:1). The proposed matrix represents 30 distinct tests, although flume setup, test preparation, instrument calibration, and flume modifications will likely result in an additional 20 to 30 runs. The test matrix will be repeated for several flume widths. With duplicate runs for QA/QC purposes, it is anticipated that more than 100 runs will be completed.

While the general ranges of both parameters are likely to be respected, the actual divisions and selected values may change. For example, if testing at a 30-degree inlet angle shows little to no impact, those runs will be reallocated to an angle that provides more useful data. The actual test matrix will be continuously adapted during the research as the needs for satisfying the research objectives are refined.

¹ There is no exact definition of when an inlet becomes a confluence, so the terms are used interchangeably here.

Inlet Angle	Flow Proportion (Main:Tributary)				
	25:1	20:1	15:1	10:1	5:1
15	X	X	X	X	X
30	X	X	X	X	X
45	X	X	X	X	X
60	X	X	X	X	X
75	X	X	X	X	X
90	X	X	X	X	X

E. Flume Modifications

It will be necessary to obtain supercritical flows in the flume to mimic potential flood flows in CCRFCD channels. This may require the flume to be narrowed or additional pumping capacity to get a reasonable water depth at supercritical flow. Once we have a complete understanding of the range of flows that can be replicated in the main channel of the flume, we will install an inlet pipe through the flume wall to provide the side-channel flow. Flow through the inlet will be provided through a separate variable-speed pump fed by water from the flume sump. The separate flow controls will allow us the ability to precisely deliver flow combinations required in the testing matrix. The inlet connection will either allow for a range of angles or we will construct different inlets at different angles.

F. Testing

The complexity of testing will require a careful, systematic testing approach to ensure results are definitive and defensible. We expect that flow through the flume ("main channel") will need to be maximized to provide the best conditions for testing. It may be necessary to narrow the channel or add supplemental pumping capacity to produce enough flow depth to test some alternatives. Multiple conditions will be tested to ensure that we fully understand the operational range of the flume.

Once a series of preliminary runs are completed, our first testing efforts will be to determine the magnitude of the potential impacts within the system. Testing will start with a 90-degree inlet and

the lowest proportion of the main channel to tributary flows (lower right corner of the testing matrix shown above); these conditions should produce the maximum impact to main channel flow. The vertical location of the 90-degree inlet will also be verified and modified if necessary during these initial runs. The flume conditions must reasonably mimic system conditions, but it will also be necessary to ensure this location is consistent with water depths in the flume.

Measurement techniques for flows and water surface elevations will be perfected during these early runs and clear procedures established to ensure quality control for all future runs. The data from these runs will be evaluated to determine the precision and accuracy of the results. These will be important criteria for discerning the conditions at which no measurable impact can be ascertained.

Once these initial tests are completed and testing procedures firmly established, the main channel to tributary flow proportion will be increased by reducing the inlet flow (still using a 90-degree inlet angle) until channel impact becomes so small, they cannot be measured. These initial test runs should provide a solid basis for adjusting the testing matrix as necessary to garner the maximum information from our efforts. If the conditions that produce no measurable impacts with a 90-degree inlet angle can be firmly established, planned tests at lower flows and smaller inlet angles and can be reallocated to garner additional data.

After testing is complete at a 90-degree inlet angle, a different angle will be selected. It is expected that the angle will be stepped down to 75 degrees and the testing repeated. However, it is possible that a minimum angle (e.g., 30 degrees) will be selected to bound the testing matrix so that additional runs within the planned testing matrix can be reallocated to increase our understanding in other areas.

Testing will continue until a comprehensive matrix of runs has been completed. Additional tests will be competed as necessary to resolve inconsistencies or quality assurance issues that arise. Multiple runs will likely be conducted for some, if not all, conditions to ensure reproducibility of results.

G. Analysis of Results

Flow and water level information are expected to be gathered electronically. The first step will be to reduce the electronic acquired data. Some of the initial flume runs without an inlet flow will be used to develop and establish procedures for analyzing and reducing this data.

Results will be analyzed continuously during the testing process to ensure they are reliable and defensible. Precision and accuracy will be a critical focus during the early testing phase. We must demonstrate that changes in flow proportion and inlet angle result in measurable changes in channel conditions.

Individual test results will be analyzed for consistency within the run itself and with prior data. Multiple runs with the same conditions will be analyzed statistically for similarities and differences and the results used to evaluate the testing protocols in place. Inconsistencies may require additional testing runs or modifications to test procedures and protocols.

Once the data are validated, the focus will be identifying the combinations of main channel to tributary flows and inlet angle below which measurable impacts were not observed and understanding the importance of the impacts found in other tests.

H. Develop Proposed Design Approach and Report

The final and most critical task of the project will be to translate the test results into a proposed design approach for inlets into channels. The Clark County Regional Flood Control District's Hydrologic Criteria and Drainage Design Manual (1999) currently addresses inlet angles in Section 802.6.1:

802.6.1 Angle of Confluence

"In general, the angle of confluence between main line and lateral shall not exceed 45 degrees and, as an additional requirement, shall not exceed 30 degrees under any of the following conditions:

- Where the flow (Q) in the proposed lateral exceeds 10 percent on the main line flow.
- Where the velocity of the flow in the proposed lateral is 20 fps or greater.
- Where the size of the proposed lateral is 60 inches or greater.
- Where hydraulic calculations indicate excessive head losses may occur in the main line due to the confluence.

Connector pipes may be joined to main line pipe at angles greater than 45 degrees up to a maximum of 90 degrees provided not of the above conditions exist. If, in any specific situation, one or more of the above conditions does apply, the angle of the confluence for connector pipes shall not exceed 30 degrees. Connections shall not be made to main line pipe which may create conditions of adverse flow in the connector pipes.

The above requirements may be waived only if calculations are submitted to the District showing that the use of a confluence angle larger than 30 degrees will not unduly increase head losses in the main line.”

The results will be used to propose modifications, if justified by the test results to this section.

IV. BUDGET AND MILESTONES

A. Budget and Justification

Senior Personnel	
Moses Karakouzian	\$28,879
Don Hayes	\$16,517
Moses Buyout	\$32,490
Other Personnel	
Mr. Faught, Professional Support	\$11,646
GA - Doctoral - 12 month	\$22,334
Undergraduate Student Worker	\$5,055
<i>Total Salary and Wages</i>	\$116,921
Fringe Benefits	
Dr. Karakouzian & Dr. Hayes Summer Salary @ 18%	\$8,171
Dr. Karakouzain Buyout + health insurance FY18 @ \$2,229	\$8,714
Mr. Faught Professional @ 33%	\$3,843
GA PHD 12 month @ 12%	\$2,680
Undergraduate Student Worker @ 2%	\$101
<i>Total Fringe Benefits</i>	\$23,510
Other Direct Costs	
Materials and Supplies	\$20,000
Tuition/Fees (\$302/credit + \$266 x 2sem fees)	\$4,156
<i>Total Other Direct Costs</i>	\$24,156
Total Direct Costs	\$164,587
<i>Modified Total Direct Costs</i>	\$160,431
Indirect Costs @ 49.5%	\$79,413
Total Project Costs	\$244,000

Justification

We request funds for two summer months' salary for the PI, Dr. Moses Karakouzian. At an annual 9-month salary of \$129,958, this totals \$28,879. In addition, we request two course buyouts for Dr. Karakouzian during the project, totaling \$32,490, to cover one 3-credit course in Fall 2017 and one 3-credit course in Spring 2018. Dr. Karakouzian will be responsible for overall management of the project.

For our co-PI, Dr. Donald Hayes, we request one summer month's salary. At a 9-month contract of \$148,650, this totals \$16,517. He will facilitate design and management of laboratory testing and evaluation of data.

A technician, Peter Faught, will work on the project for approximately two months over the project period. His role will be to modify the flume. He has an annual 12-month salary of \$69,879, we thus request \$11,646 for his contribution in the form of an administrative buyout.

A doctoral-level graduate assistant will work on the project 20 hours per week during the duration of the project, conducting testing and analysis. The stipend for doctoral GAs is \$22,334.

One undergraduate student will assist the GA in the laboratory between 10 and 20 hours a week at an hourly rate of \$15. The total amount of hours budgeted is 337.

Salaries and wages total \$116,921.

Fringe benefits are requested at the following rates and amounts:

Dr. Karakouzian, two months summer salary	18%	\$5,198
Dr. Hayes, one summer month salary	18%	\$2,973
Dr. Karakouzian, two course buyout + health insurance FY18 @ \$2,229	20%	\$8,714
Mr. Faught, two month's salary professional	33%	\$3,843
Graduate assistant stipend	12%	\$2,680
Undergraduate student worker	2%	\$ 101

Fringe benefits total \$23,510.

We request \$20,000 for the pumps and tubing required for work in modifying the flume.

Graduate student tuition remission is considered part of Graduate Research Assistant compensation and is estimated as follows:

$$\text{\$ 302 / credit} \times 6 \text{ credits} \times 2 \text{ semesters} = \text{\$3,624}$$

$$\text{\$ 266 semester fees} \times 2 \text{ semesters} = \text{\$532}$$

Per UNLV practice, we request tuition and fees for the graduate assistant based on 6 credits per semester X 2 semesters, totaling \$4,156.

UNLV F&A cost is calculated by predetermined rate as stipulated by DHHS Rate Agreement dated 07/22/2016 (DHHS Audit Agency, San Francisco). The following rate is effective beginning 07/01/2017 Research (on-campus) = 49.5% of Modified Total Direct Costs (MTDC). This rate will remain at 49.5% until further amended. For this project, indirect costs total \$79,413.

Total costs for this project are \$244,000.

B. Milestones (June 1, 2017 – May 31, 2018)

<i>Task</i>	Q1	Q2	Q3	Q4
<i>I Literature Review</i>	←→			
<i>II Obtain Actual System Data</i>	←→			
<i>III Similitude Analysis</i>	←→			
<i>IV Develop Testing Matrix</i>	←→	→		
<i>V Modify Flume</i>	←→	→		
<i>VI Testing</i>		←→	→	
<i>VII Analysis of Results</i>		←→	→	
<i>VIII Develop Proposed Design Approaches and Report</i>			←→	→

V. BIBLIOGRAPHY

1. A. T. Ippen and R. T. Knapp (1936). "A study of high velocity flow in curved channels." Trans. American Geophysical Union, Part II, 17, 516-521.
2. W. H. Hager (1989). "Supercritical flow in channel junctions". Journal of Hydraulic Engineering. 115: 595-616.
3. E. Taylor (1944). "Flow characteristics at rectangular open channel junctions." Trans., ASCE, 109, 893-902.
4. C. E. Bowers (1950). "Studies of open channel junctions." Technical Paper Nr. 6, Series B (Part V of Hydraulic model studies for Whiting Field Naval Air Station, Milton, Florida, University of Minnesota, St. Anthony Falls Hydraulic Laboratory), Technical Paper No. 6, Series B.
5. A. T. Ippen and J. H. Dawson (1951). "Design of channel contractions." Trans., ASCE, 116, 326-346.
6. C. E. Behlke and H. D. Pritchett (1966). "The design of supercritical channel junctions." Highway Res. Record No. 123, Publication 1365, Highway Research Board, NRC, 17-35.
7. G. C. Christodoulou (1993). "Incipient hydraulic jump at channel junctions". Journal of Hydraulic Engineering. 119: 409-423.

8. W. H. Hager (1989). "Transitional flow in channel junction" *Journal of Hydraulic Engineering*. 115: 243-259.
9. M. Schwalt, W. H. Hager (1995). "Experiments to supercritical flow". *Experiments in Fluids*, 18, 429-437.
10. A. S. Ramamuthy, L. B. Carballada (1988). "Combining open channel flow at right angled junctions" *Journal of Hydraulic Engineering*. 114(12): 1449-1460.
11. W. H. Hager, C. Gissoni (2005). "Supercritical flow in sewer manholes" *ACQUA E CITTÀ. I Convegno Nazionale de Idraulica Urbana Sant'Agnello (NA)*, 28-30 Sep.2005.
12. "Supercritical flow at open channel junction" U.S. Army Engineer District, Los Angeles. Report No. 2-100, July 1975.
13. R. L. Stockstill (2006). "Hydraulic Design of Channels conveying supercritical flow". U.S. Army Corps of Engineers. ERDC/CHL Tr-06-05.
14. G. Kesserwani, J. Vazquez, N. Riviere (2010). "New approach for predicting flow bifurcation at right-angled open-channel junction". *Journal of Hydraulic Engineering*. 136 (9): 662-668.
15. S. Shabayek and P. Steffler (1999). "Dividing flows in open channel junctions" *Canadian Society for Civil Engineering - Annual Conference Proceedings - 14th Hydro-technical Specialty Conference*, June 1999.
16. Z. Ting and X. Wei-lin (2009). "Effect of discharge ratio on flow characteristics in 90° equal-width open-channel junction". *Journal of Hydrodynamics*, v 21, n 4, p 541-549.
17. J. L. Best and I. Reid (1984). "Separation zone at open-channel junctions". *Journal of Hydraulic Engineering*. 110 (11): 1588-1597.
18. J. D. Riley, B. L. Rhoads, D. R. Parsons, K. K. Johnson (2014). "Influence of junction angle on three-dimensional flow structure and bed morphology at confluent meander bends during different hydrological conditions". *Earth Surface Processes and Landforms* DOI: 10.1002/esp.3624.
19. M. M. L. Pinto Coelho (2015). "Experimental determination of free surface levels at open-channel junctions". *Journal of Hydraulic Research*, Volume 53, Issue 3.
20. R. L. Stockstill (2007). "Lateral inflow into high-velocity channels". U.S. Army Corps of Engineers. ERDC/CHL CHETN-V111-6.
21. R. L. Stockstill (2007). "Lateral Inflow in supercritical flow". U.S. Army Corps of Engineers. ERDC/CHL TR-07-10.
22. P. Biron, J. L. Best and A. G. Roy (1996). "Effects of bed discordance on flow dynamics at open channel confluences". *Journal of Hydraulic Engineering*. 122 (12): 676-682.
23. S. G. Kumar (1993). "Transition flow in channel junctions". *Journal of Hydraulic Research*, Vol. 31, No. 5.
24. Y. Nedelec and B. Gay (2008). "Experimental study of a right-angled end junction between a pipe and an open channel". *Journal of Hydraulic Engineering*. Vol. 134, Issue. 5. 0733-9429.

25. A. R. Ramamurthy, D. M. Tran and L. B. Carballada (1994). "Increased hydraulic resistance in combining open channel flows". *Water Research*, v 28, n 6, p 1505-1508.
26. S. Creelle, T. Mulder, L. Schindfessel and T. V. Oyen (2014). "Influence of hydraulic resistance on flow features in an open channel confluence". *Research Gate* April 2014.
27. B. L. Rhoads and A. N. Sukhodolov (2008). "Lateral momentum flux and the spatial evolution of flow within a confluence mixing interface: *Water Resources Research*. Vol. 44, Issue 8.
28. W. Xiekang, W. Xianye, L. Weizhen and L. Tonghuan (2007). "Experimental study on flow behavior at open channel confluences". Higher Education Press and Springer-Verlag. Vol.1, Issue 2. 211-216.
29. S. K. Gurram, K. S. Karki and W. H. Hager (1997). "Subcritical junction flow". *Journal of Hydraulic Engineering*, 123(5): 447-455.
30. L. J. Weber and N. Mawer (2001). "Experiments on flow at a 90° open-channel junction". *Journal of Hydraulic Engineering*, 127(5): 340-350.

Attachment B



Howard R. Hughes College of Engineering

Proposal for Time and Cost Extension

For the Continuation of the Project Entitled:

“Design of Lateral Confluences of Flood Control Channels”

Project Team:

Dr. Moses Karakouzian

Mohammad Nazari Sharabian

Presented to:

Clark County Flood Control District

October 5, 2018

Table of Contents

1. Introduction	1
1.1.What is Computer Simulation?	1
1.2.Types of Computer Simulations	1
1.3.Purposes of Simulation	1
1.4.Verification and Validation	2
2. FLOW-3D Software	2
2.1.Introducing the Software	2
2.2.Accuracy	3
2.3.Efficiency	3
3. Proposed Simulations	3
4. Deliverables and Milestones	5

1. Introduction

1.1. What is Computer Simulation?

Computer simulation is the reproduction of the behavior of a system to replicate the outcomes of a mathematical model associated with the system. Computer simulations have become useful tools for the mathematical modeling of many natural systems in different fields of science and engineering. Simulation of a system is represented as the running of the system's model and used to explore and gain new insights into new technologies and estimate the performance of systems too complex for analytical solutions. Computer simulations are realized by running computer programs that can be either small, running almost instantly on small devices, or large-scale programs that run for hours or days on network-based groups of computers. The scale of events replicated by computer simulations has far exceeded anything possible (or perhaps even imaginable) using traditional paper-and-pencil mathematical modeling.

Computer simulations developed hand-in-hand with the rapid growth of computers and is often used as an adjunct to, or substitute for, modeling systems for which simple closed form analytic solutions are not possible. There are many types of computer simulations; their common feature is the attempt to generate a sample of representative scenarios for a model in which a complete enumeration of all possible states of the model would be prohibitive or impossible.

1.2. Types of Computer Simulations

Two types of computer simulations are often distinguished: equation-based simulations and agent-based (or individual-based) simulations. Computer simulations of both types are used for three different general sorts of purposes: prediction (both pointwise and global/qualitative), understanding, and exploratory or heuristic purposes.

1.3. Purposes of Simulation

There are three general purpose categories to which computer simulations can be placed. Simulations can be used for heuristic purposes, for the purpose of predicting data that we do not have, and for generating understanding of data that we already have. Under the category of heuristic models, simulations can be further subdivided into those used to communicate knowledge to others, and those used to represent information to ourselves. Another broad class of purpose of

computer simulations is in telling us about how we should expect some systems in the real world to behave under a particular set of circumstances.

Simulations can be used to understand systems and their behavior. If we already have data telling us how some system behaves, we can use computer simulation to answer questions about how these events could possibly have occurred; or about how those events actually did occur.

1.4. Verification and Validation

As computer simulation methods have gained importance in more and more disciplines, the issue of their trustworthiness for generating new knowledge has grown, especially when simulations are expected to be counted as epistemic peers with experiments and traditional analytic theoretical methods. The relevant question is always whether or not the results of a particular computer simulation are accurate enough for their intended purpose. Verification is said to be the process of determining whether the output of the simulation approximates the true solutions to the differential equations of the original model. Validation, on the other hand, is said to be the process of determining whether the chosen model is a good enough representation of the real-world system for the purpose of the simulation. The principal strategy of validation involves comparing model output with observable data. Again, of course, this strategy is limited in most cases, where simulations are being run because observable data are sparse.

2. FLOW-3D Software

2.1. Introducing the Software

FLOW-3D is a multilateral software in the field of fluid dynamics, compatible with complex flow conditions in one-dimensional, two-dimensional and three-dimensional modeling. FLOW-3D provides a complete and versatile CFD simulation platform for engineers investigating the dynamic behavior of liquids and gas in a wide range of industrial applications and physical processes. FLOW-3D focuses on free surface and multi-phase applications, serving a broad range of industries including microfluidics, bio-medical devices, water civil infrastructure, aerospace, consumer products, additive manufacturing, inkjet printing, laser welding, automotive, offshore, energy and automotive. A uniquely powerful, multiphysics tool, FLOW-3D provides the functionality, ease-of-use and power that helps engineers advance their modeling objectives. Built

for the highest level of performance, FLOW-3D seamlessly scales from standard workstation solutions to hundreds of CPU core solutions on high performance computing clusters.

2.2. Accuracy

FLOW-3D delivers high accuracy simulation results faster by using the industry-leading algorithm TruVOF. A pioneering volume of fluid tracking method, TruVOF continues to set the industry standard for flow accuracy since its inception 35 years ago. FLOW-3D is the result of collaborating with the world's leading scientific, manufacturing and research companies to deliver accurate simulations and an efficient, collaborative workflow.

2.3. Efficiency

FLOW-3D employs the innovative meshing method FAVOR™ that dramatically improves problem setup by embedding the geometry directly into the mesh, allowing for rapid parametric adjustments without the labor-intensive remeshing required by other CFD software. Engineers spend their time visualizing, optimizing and collaborating on design concepts with leaner runtimes and more accurate results.

3. Proposed Simulation Scenarios

Since the number of scenarios on lab experiments is limited either because of limitations on lab facilities or financial issues, using FLOW-3D is an alternative to perform a computer simulation study with high accuracy at a lower price. Software accuracy was validated based on the comparison between previously completed lab tests at 30°, 45° and 90° confluence angles, and several channel flow Froude numbers.

The following are the proposed scenarios:

- Channel Height (H) = 4', 7', 10'
- Channel Width (W) = 10', 25', 50'
- Froude Number = 0.8, 1.2, 2.0
- Pipe Diameter (D) = 18", 36", 60"
- Confluence Angle = 30°, 45°, 90°
- Lateral flow to main channel flow ratio = 2.5%, 5.0%, 10%

This will result in a total of 729 simulations.

Table 1 shows flow rates for each channel configuration. Each test will be performed for 30°, 45°, and 90° confluence angles; 2.5%, 5.0% and 10% lateral flow to main channel flow ratios, and inlet pipe diameters of 18", 36" and 60". The channel configuration is presented in Fig. 1.

Table 1. Flow rates under each scenario

Height (ft)	Width (ft)	Froude Number		
		0.8	1.2	2.0
4	10	Q = 363.2 cfs	Q = 544.8 cfs	Q = 908 cfs
	25	Q = 908 cfs	Q = 1362 cfs	Q = 2270 cfs
	50	Q = 1816 cfs	Q = 2724 cfs	Q = 4540 cfs
7	10	Q = 840.7 cfs	Q = 1260.7 cfs	Q = 2101.4 cfs
	25	Q = 2101.75 cfs	Q = 3151.75 cfs	Q = 5253.5 cfs
	50	Q = 4203.5 cfs	Q = 6303.5 cfs	Q = 10507 cfs
10	10	Q = 1436 cfs	Q = 2153 cfs	Q = 3588 cfs
	25	Q = 3590 cfs	Q = 5382.5 cfs	Q = 8970 cfs
	50	Q = 7180 cfs	Q = 10765 cfs	Q = 17940 cfs

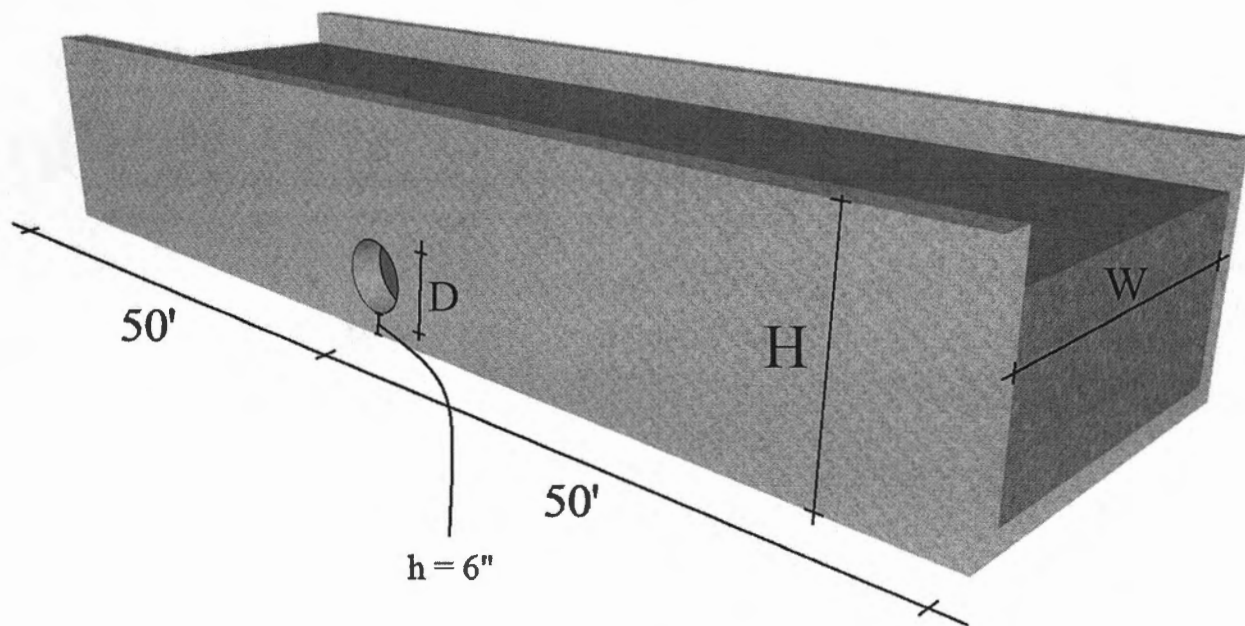


Figure 1. The channel configuration

4. Deliverables and Milestones

- A progress report will be submitted by the end of June, summarizing the simulations performed by that date. Additionally, we will provide an improved draft design based on the simulations.
- A final draft report will be submitted by the end of October, summarizing all the simulations identified in this proposal. Additionally, we will provide a final draft design based on the completed simulations.

5. Budget and Justification

Senior Personnel	January 2019 – December 2019
Moses Karakouzian	\$45,732
Other Personnel	
Mr. Nazari Sharabian GA - Doctoral	\$30,450
<i>Total Salary and Wages</i>	\$76,182
Fringe Benefits	
Dr. Karakouzian Summer Salary @ 18%	\$8,232
GA PHD @ 18%	\$5,481
<i>Total Fringe Benefits</i>	\$13,713
Other Direct Costs	
Materials and Supplies	\$5,000
Tuition/Fees (\$312/credit + \$461 per semester fees)	\$7,046
<i>Total Other Direct Costs</i>	\$12,046
Total Direct Costs	\$101,940
<i>Modified Total Direct Costs</i>	\$94,895
Indirect Costs @ 49.5%	\$46,973
Total Project Costs	\$148,913

Dr. Moses Karakouzian – Professor and Principal Investigator: Based on a current salary of \$135,170, we are requesting 1.5 month’s summer salary at a cost of \$22,528 for the first period (January 1, 2019 to June 30, 2019), and \$23,204 for the second period (July 1, 2019 to December 31, 2019). The increase in the second period takes into account a 3% cost of living allowance (COLA). Dr. Karakouzian will be responsible for project managing and supervision of the doctoral-level graduate assistants.

Mr. Mohammad Nazari Sharabian - Doctoral-Level Graduate Assistant (GA): We are requesting a 6-month salary in the amount of \$15,000 for the first period and \$15,450 for the

second period to support Mr. Nazari Sharabian for the duration of the project. The increase in the second period takes into account a 3% COLA. Mr. Nazari Sharabian will preside over the testing and analysis.

The total project cost for all personnel listed is \$76,182.

Fringe Benefits: As noted in the F&A agreement, UNLV charges the actual cost of each benefit to sponsored programs; however, UNLV uses a published pooled rate when estimating these charges for cost proposals. The following rates have been applied to the appropriate personnel categories: faculty summer salary @ 18% and doctoral-level student on a 6-month salary per fiscal year @ 18%. Fringe benefits for both periods are requested at the following rates and amounts:

Dr. Karakouzian, 1.5 months' summer salary	18%	\$8,232
Mr. Nazari Sharabian GA stipend	18%	\$5,481

The total project cost for fringe benefits is \$13,713.

Materials/Supplies: We are requesting a total of **\$5,000** for the duration of the project to cover the cost of simulation-related activities and producing reports.

Tuition: Tuition is part of a graduate assistant's overall compensation package and is a required cost. We are requesting tuition for six credit hours per semester for Mr. Nazari Sharabian at a cost of \$4,666 (Spring semester and Summer session 2019) and \$2,380 (Fall semester 2019): **total \$7,046**. A 2% tuition cost increase is added to the Fall semester tuition. We have calculated these costs as follows:

\$312 / credit X 6 credits = \$1,872

\$316 per semester fees

\$145 per semester in international student fees

Total = approximately \$2,333 per semester.

The total for other direct costs is \$12,046.

Indirect Costs: The University of Nevada, Las Vegas has a negotiated F&A rate of 49.5% effective 7/1/17. This rate has been negotiated by the Department of Health and Human Services/Department of Cost Allocations (cognizant agency). The current negotiated rate agreement is available at: https://www.unlv.edu/sites/default/files/page_files/27/Research-UNLV-F%26A-Rate-Agreement-FY17%20.pdf.

The total project budget for indirect costs is \$46,973.

Total Costs = \$148,913

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM


<p>SUBJECT:</p> <p>MASTER PLAN UPDATE FOR THE LAS VEGAS VALLEY THIRD AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT</p>
<p>PETITIONER:</p> <p>STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER</p>
<p>RECOMMENDATION OF PETITIONER:</p> <p>THAT THE BOARD APPROVE AND AUTHORIZE THE CHAIRMAN TO SIGN THE THIRD AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT TO PREPARE A MASTER PLAN UPDATE FOR THE LAS VEGAS VALLEY (FOR POSSIBLE ACTION)</p>

FISCAL IMPACT: None.

BACKGROUND: The District is required by statute (NRS 543.596) to update the Master Plan at least once every five years. The Las Vegas Valley Master Plan was last updated and adopted by the Board as an amendment to the original (1986) Master Plan on September 12, 2013. At the May 19, 2016 meeting, the Board authorized the General Manager to solicit proposals, select a consultant, and negotiate a professional services contract to prepare the Master Plan Update for the Las Vegas Valley.

Staff negotiated a professional services contract for Phase 1 with the consulting firm of Atkins North America, Inc. in the amount of \$1,000,000.00 which was adopted by the Board on September 8, 2016. Phase 1 of the project was completed by the consultant in June 2017. Phase 2 of the project in the amount of \$500,000.00 was approved by the Board as an Amendment to the Professional Services Agreement on September 14, 2017. A second amendment for additional funding in the amount of \$150,000.00 was approved by the Board on October 11, 2018. This third amendment will extend the project completion date from December 31, 2018 to June 30, 2019 in order to complete the project. The agreement has been reviewed by the District Attorney and is included in the backup.

Respectfully submitted,


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

TAC AGENDA ITEM #09 Date: 11/29/18	RFCD AGENDA ITEM # Date: 12/13/18
CAC AGENDA ITEM #09 Date: 12/03/18	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 11/20/18
MASTER PLAN UPDATE FOR THE LAS VEGAS VALLEY THIRD AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT	
<p>The District is required by statute (NRS 543.596) to update the Master Plan at least once every five years. The Las Vegas Valley Master Plan was last updated and adopted by the Board as an amendment to the original (1986) Master Plan on September 12, 2013. At the May 19, 2016 meeting, the Board authorized the General Manager to solicit proposals, select a consultant, and negotiate a professional services contract to prepare the Master Plan Update for the Las Vegas Valley.</p> <p>Staff negotiated a professional services contract for Phase 1 with the consulting firm of Atkins North America, Inc. in the amount of \$1,000,000.00 which was adopted by the Board on September 8, 2016. Phase 1 of the project was completed by the consultant in June 2017. Phase 2 of the project in the amount of \$500,000.00 was approved by the Board as an Amendment to the Professional Services Agreement on September 14, 2017. A second amendment for additional funding in the amount of \$150,000.00 was approved by the Board on October 11, 2018. This third amendment will extend the project completion date from December 31, 2018 to June 30, 2019 in order to complete the project. The agreement has been reviewed by the District Attorney and is included in the backup.</p>	
Staff Recommendation:	
Approve.	
Discussion by Technical Advisory Committee:	AGENDA #09 Date: 11/29/18
Recommendation:	
Discussion by Citizens Advisory Committee:	AGENDA #09 Date: 12/03/18
Recommendation:	

**THIRD AMENDMENT TO THE AGREEMENT FOR
PROFESSIONAL SERVICES
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
AND
ATKINS NORTH AMERICA, INC.
MASTER PLAN UPDATE FOR THE LAS VEGAS VALLEY**

THIS THIRD AMENDMENT TO THE AGREEMENT is made and entered into this 13th day of December, 2018, by and between the CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT (hereinafter referred to as "DISTRICT") and Atkins North America Inc., a Florida Corporation authorized to do business here in Clark County (hereinafter referred to as "CONSULTANT"), for a Master Plan Update for the Las Vegas Valley (hereinafter referred to as the "PROJECT").

WITNESSETH

WHEREAS, the DISTRICT desires to complete a Master Plan Update for the Las Vegas Valley.

WHEREAS, the CONSULTANT is experienced and is knowledgeable in the completion of such works; and

WHEREAS, the CONSULTANT represents that it is properly registered and qualified in accordance with the Nevada Revised Statutes and has the personnel and facilities necessary to accomplish the PROJECT within the required time; and

WHEREAS, a professional services agreement was entered into between the DISTRICT and CONSULTANT on September 8, 2016, a first amendment on September 14, 2017, and a second amendment on October 11, 2018; and

WHEREAS, the DISTRICT desires to extend the term of the AGREEMENT in order to complete the project; and

WHEREAS, the parties desire to set forth the responsibilities, terms, and conditions of completing the PROJECT.

NOW, THEREFORE, in consideration of the premises and terms contained herein, the parties agree as follows:

Section V

TIME AND PERFORMANCE, paragraph E shall be revised to read as follows:

- E. This AGREEMENT shall begin on September 8, 2016 and terminate on June 30, 2019 unless it is extended before the termination date with the mutual written consent of both parties or earlier terminated pursuant to Section VI.

All other sections of the original AGREEMENT, First Amendment to the AGREEMENT, and Second Amendment to the AGREEMENT shall remain unchanged.

///

///

///

///

///

///

///

///

///

IN WITNESS WHEREOF, the parties have caused this Third Amendment to the AGREEMENT to be executed the day and year first above written.

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

By: _____ Date: _____
LAWRENCE L. BROWN, III Chairman

ATKINS NORTH AMERICA, INC.

By: _____ Date: _____
Matt Baird, P.E.
Vice President

ATTEST:

By: _____ Date: _____
Sherry Allen
Secretary to the Board

APPROVED AS TO LEGALITY ONLY:

By: _____ Date: _____
Christopher Figgins
Chief Deputy District Attorney

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM**

SUBJECT:

HOLLYWOOD SYSTEM, DUNES SOUTH DETENTION BASIN TO CENTENNIAL PARKWAY

PETITIONER:

DALE DAFFERN, P.E., DIRECTOR OF PUBLIC WORKS
CITY OF NORTH LAS VEGAS

RECOMMENDATION OF PETITIONER:

THAT THE REGIONAL FLOOD CONTROL DISTRICT APPROVE THE THIRD SUPPLEMENTAL INTERLOCAL CONTRACT FOR DESIGN TO EXTEND THE PROJECT COMPLETION DATE FOR THE HOLLYWOOD SYSTEM, DUNES SOUTH DETENTION BASIN TO CENTENNIAL PARKWAY – NLV03E13 (FOR POSSIBLE ACTION)

FISCAL IMPACT:


NONE

BACKGROUND:

The District entered into an Interlocal Contract with the City of North Las Vegas on October 10, 2013 to provide funding for design engineering, environmental mitigation, and right-of-way for the subject project. This contract was then supplemented on October 9, 2014 and March 10, 2016.

This Third Supplemental Interlocal Contract will extend the project completion date from December 31, 2018 to December 31, 2022 in order to complete the project.

Respectfully submitted,



Dale Daffern, P.E.
Director of Public Works
City of North Las Vegas

**TAC AGENDA
ITEM # 10a
Date: 11/29/18**

**RFCD AGENDA
ITEM #
Date: 12/13/18**

**CAC AGENDA
ITEM # 10a
Date: 12/03/18**

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 11/19/18

**HOLLYWOOD SYSTEM, DUNES SOUTH DETENTION BASIN TO CENTENNIAL PARKWAY
THIRD SUPPLEMENTAL INTERLOCAL CONTRACT – NLV03E13**

The City of North Las Vegas has submitted a request to approve a third supplemental interlocal contract for design engineering, right-of-way and environmental mitigation to extend the project completion date from December 31, 2018 to December 31, 2022 for the Hollywood System, Dunes South Detention Basin to Centennial Parkway project.

The extension is needed to complete the project.

The District Attorney has reviewed the contract.

Staff Recommendation:

Approve.

Discussion by Technical Advisory Committee:

AGENDA
#10a Date: 11/29/18

Recommendation:

Discussion by Citizens Advisory Committee:

AGENDA
#10a Date: 12/03/18

Recommendation:

THIRD SUPPLEMENTAL INTERLOCAL CONTRACT
HOLLYWOOD SYSTEM
DUNES SOUTH DETENTION BASIN TO CENTENNIAL PARKWAY

THIS THIRD SUPPLEMENTAL INTERLOCAL CONTRACT made and entered into as of the ____ day of _____, 2018 by and between the Clark County Regional Flood Control District, hereinafter referred to as "DISTRICT", and the City of North Las Vegas hereinafter referred to as ("CITY").

W I T N E S S E T H

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve a project to design and construct flood control improvements, and;

WHEREAS, the flood control improvements proposed herein are the same as those generally identified in the 2013 Master Plan Update, as Structure Nos. RWHW 0000, 0038, 0080, 0136, 0173, 0174, 0201, and 0277, hereinafter referred to as "PROJECT"; and

WHEREAS, the PROJECT is identified and shown on the attached Exhibit "A"; and

WHEREAS, the PROJECT has been approved by the DISTRICT on its Ten Year Construction Program; and

WHEREAS, the PROJECT has regional flood control significance and is located in the same hydrographic area as the Las Vegas Valley; and

WHEREAS, an Interlocal Contract was entered into on October 10, 2013, a First Supplemental Interlocal Contract on October 9, 2014, and a Second Supplemental Interlocal Contract on March 10, 2016 between the DISTRICT and the CITY; and

WHEREAS, the CITY wishes to extend the project completion date.

NOW, THEREFORE, in consideration of the covenants, conditions, contracts, and promises of the parties hereto, the DISTRICT and the CITY agree to the following:

SECTION III – GENERAL, paragraph 14 shall be revised to read as follows:

- 14 The items covered in SECTION II – PROJECT COSTS must be completed to the satisfaction of the DISTRICT prior to December 31, 2022. The DISTRICT may, at any time thereafter, grant extensions or terminate this CONTRACT after thirty (30) days notice.

The remainder of the original interlocal contract, dated October 10, 2013, supplemented on October 9, 2014 and March 10, 2016 shall remain unchanged.

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

Date of District Action: REGIONAL FLOOD CONTROL DISTRICT

BY: _____
LAWRENCE L. BROWN, III
Chairman

ATTEST:

SHERRY ALLEN
Secretary to the Board

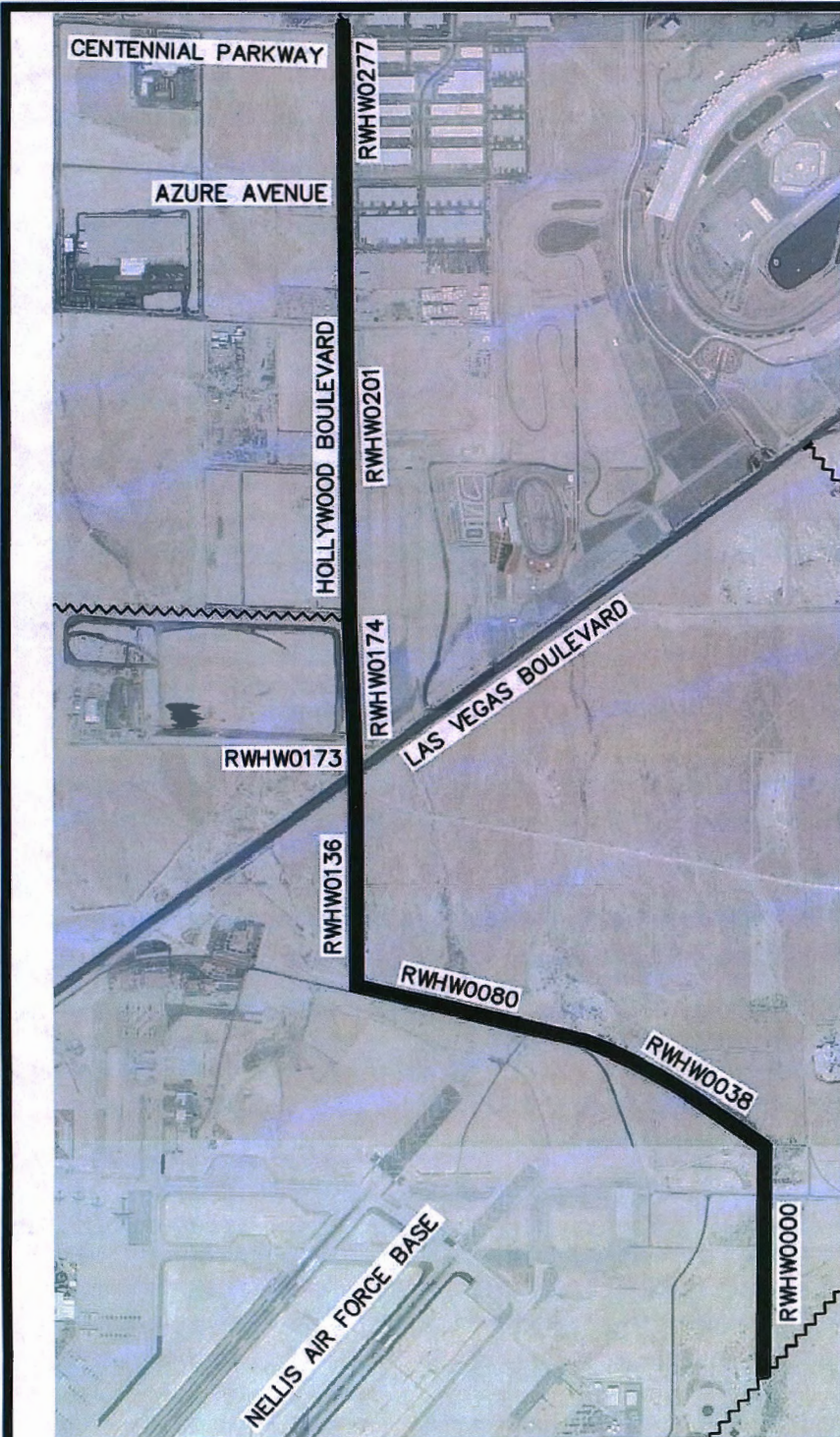
Approved as to Form:

BY: _____
CHRISTOPHER FIGGINS
Chief Deputy District Attorney

Date of Council Action: CITY OF NORTH LAS VEGAS

ATTEST: BY _____
JOHN J. LEE
Mayor

CATHERINE A. RAYNOR, MMC
City Clerk



- LEGEND**
- PROPOSED FACILITY
 - EXISTING FACILITY
 - FUTURE FACILITY

**NLV03E13
EXHIBIT 'A'**



**DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND CONSTRUCTION SERVICES DIVISION**

**HOLLYWOOD SYSTEM,
DUNES SOUTH DETENTION BASIN TO CENTENNIAL PARKWAY
RWHW0000 through RWHW0277**

SCALE:	N.T.S.
DRAWING NAME:	RFC Aug 2013
DRAWN BY:	T. Cochran
DATE:	November 15, 2018
SHEET NUMBER	1 OF 1

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

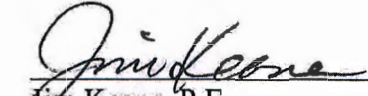
SUBJECT: HEMENWAY SYSTEM, PHASE IIA IMPROVEMENTS
PETITIONER: JIM KEANE, CITY ENGINEER CITY OF BOULDER CITY
RECOMMENDATION OF PETITIONER: IT IS RECOMMENDED THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT APPROVE THIS SECOND SUPPLEMENTAL INTERLOCAL CONTRACT TO EXTEND THE PROJECT COMPLETION DATE FOR CONSTRUCTION FOR THE HEMENWAY SYSTEM, PHASE IIA IMPROVEMENTS – BOU01D17 (FOR POSSIBLE ACTION)

FISCAL IMPACT: None

BACKGROUND: The District entered into an Interlocal Contract with the City of Boulder City on February 9, 2017 to provide funding for construction and construction management of the Hemenway System, Phase IIA Improvements project. District approved Supplemental No. 1 to increase funding for construction on May 24, 2018.

This Second Supplemental Interlocal Contract extends the project completion date from February 9, 2019, to February 9, 2020, to allow additional time to construct the project.

Respectfully submitted,


Jim Keane, P.E.,
City Engineer
City of Boulder City

TAC AGENDA ITEM #10b Date: 11/29/18	RFCD AGENDA ITEM # Date: 12/13/18
CAC AGENDA ITEM # 10b Date: 12/03/18	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 11/19/18

HEMENWAY SYSTEM, PHASE IIA IMPROVEMENTS
SECOND SUPPLEMENTAL INTERLOCAL CONTRACT – BOU01D17

The City of Boulder City has submitted a request to approve a second supplemental interlocal contract for construction and construction engineering to extend the project completion date from February 9, 2019 to February 9, 2020 for the Hemenway System, Phase IIA Improvements project.

The extension is needed to complete construction of the project.

The District Attorney has reviewed the contract.

Staff Recommendation:

Approve.

Discussion by Technical Advisory Committee:

AGENDA
#10b Date: 11/29/18

Recommendation:

Discussion by Citizens Advisory Committee:

AGENDA
#10b Date: 12/03/18

Recommendation:

SECOND SUPPLEMENTAL INTERLOCAL CONTRACT

HEMENWAY SYSTEM, PHASE IIA IMPROVEMENTS

THIS SECOND SUPPLEMENTAL INTERLOCAL CONTRACT made and entered into as of the ____ day of _____, 2018 by and between the Clark County Regional Flood Control District, hereinafter referred to as "DISTRICT", and City of Boulder City hereinafter referred to as "CITY".

WITNESSETH

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve a project to design and construct flood control improvements, and;

WHEREAS, the flood control improvements proposed herein are the same as those generally identified in the 2013 Master Plan Update as Structures No's. HMTH 0034, HMLM 0066 and 0085, HMWA 0158, 0173, 0175 and 0182 hereinafter referred to as "PROJECT"; and

WHEREAS, the flood control improvements proposed herein are the same as those generally identified in the 2018 Master Plan Update as Structures No's. HMTH 0034, HMLM 0066 and 0085, HMWA 0158, 0173, 0175, 0182 and 0183 hereinafter referred to as "PROJECT"; and

WHEREAS, the PROJECT is identified and shown on the attached Exhibit "A"; and

WHEREAS, the PROJECT has been approved by the DISTRICT on its Ten-Year Construction Program; and

WHEREAS, the PROJECT has regional flood control significance and is located in the same hydrographic area as Boulder City; and

WHEREAS, an Interlocal Contract for the Hemenway System, Phase IIA Improvements, dated February 9, 2017, and Supplemental Interlocal Contract dated May 24, 2018 were entered into between the DISTRICT and the CITY; and

WHEREAS, the CITY desires to extend the project completion date for the PROJECT.

NOW, THEREFORE, in consideration of the covenants, conditions, contracts, and promises of the parties hereto, the DISTRICT and the CITY agree to the following:

SECTION III – GENERAL, paragraph 15 shall be revised to read as follows:

15. The items covered in SECTION II - PROJECT COSTS must be completed to the satisfaction of the DISTRICT prior to February 9, 2020. The DISTRICT may, at any time thereafter, grant extensions or terminate this CONTRACT after thirty (30) days notice.

The remainder of the original interlocal contract dated February 9, 2017, and First Supplemental dated May 24, 2018 shall remain unchanged.

///

///

///

///

///

///

///

///

///

///

///

///

///

///

///

///

///

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

Date of District Action:

REGIONAL FLOOD CONTROL DISTRICT

BY:

LAWRENCE L. BROWN, III, Chairman

ATTEST:

SHERRY ALLEN
Secretary to the Board

Approved as to Form:

CHRISTOPHER FIGGINS
Chief Deputy District Attorney

Date of Council Action::

CITY OF BOULDER CITY

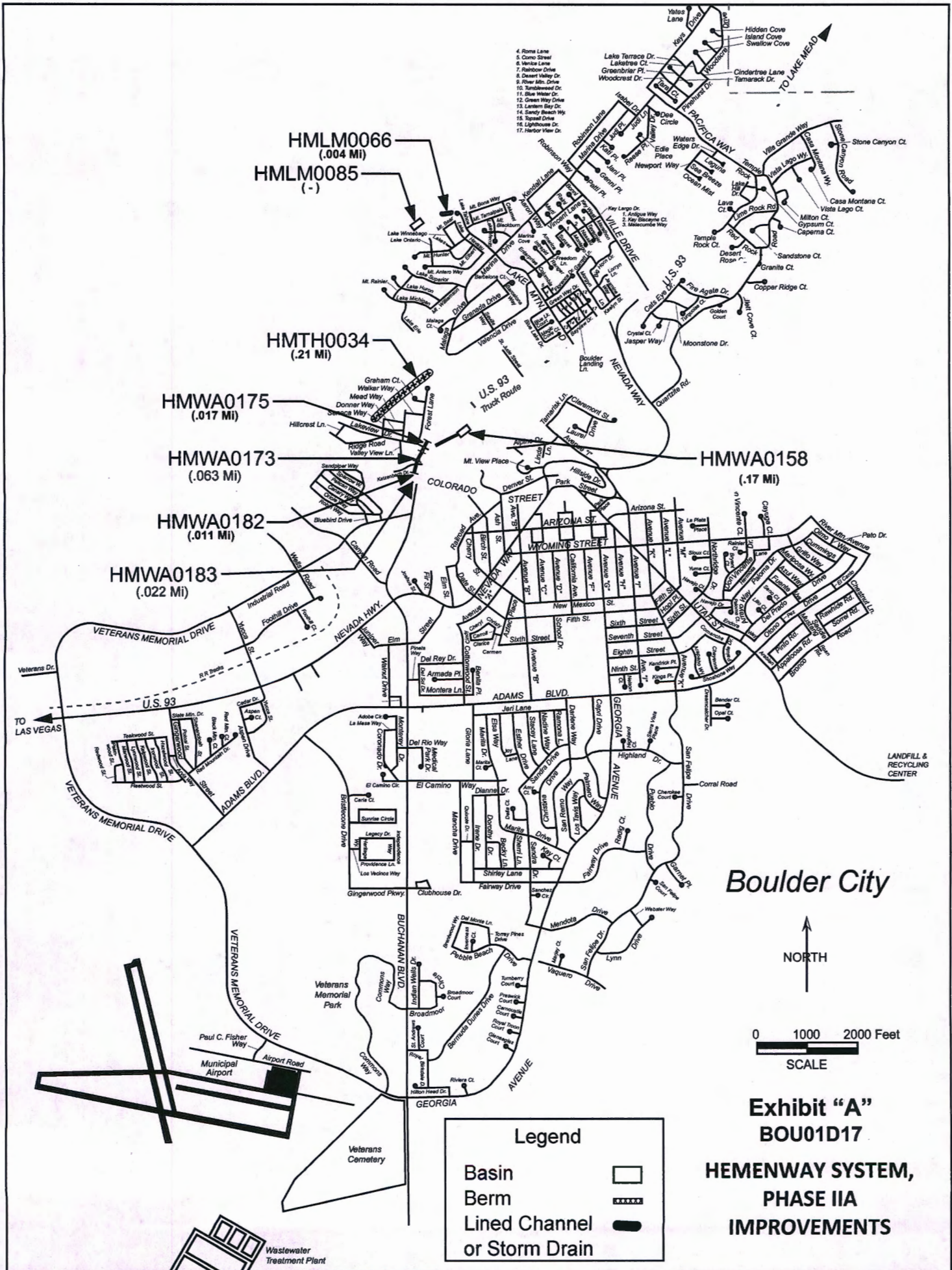
RODNEY WOODBURY, Mayor

ATTEST:

LORENE KRUMM
City Clerk
(Seal)

Approved as to Form:

STEVEN L. MORRIS, City Attorney



HMLM0066
(.004 Mi)
HMLM0085
(-)

HMTH0034
(.21 Mi)

HMWA0175
(.017 Mi)

HMWA0173
(.063 Mi)

HMWA0182
(.011 Mi)

HMWA0183
(.022 Mi)

HMWA0158
(.17 Mi)

Legend

Basin	
Berm	
Lined Channel or Storm Drain	

Boulder City

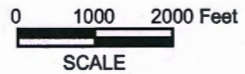


Exhibit "A"
BOU01D17
HEMENWAY SYSTEM,
PHASE IIA
IMPROVEMENTS

Wastewater Treatment Plant

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

RANCHO ROAD SYSTEM – ELKHORN, FORT APACHE TO GRAND CANYON

PETITIONER: MIKE JANSSEN, DIRECTOR

CITY OF LAS VEGAS PUBLIC WORKS

RECOMMENDATION OF PETITIONER:

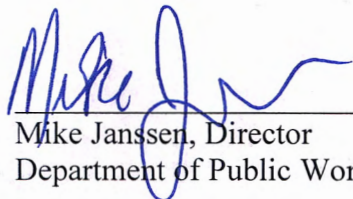
IT IS RECOMMENDED THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT APPROVE THIS FOURTH SUPPLEMENTAL INTERLOCAL CONTRACT FOR CONSTRUCTION TO EXTEND THE PROJECT COMPLETION DATE FOR THE RANCHO ROAD SYSTEM – ELKHORN, FORT APACHE TO GRAND CANYON – LAS16013 (FOR POSSIBLE ACTION)

FISCAL IMPACT: None by this action.

BACKGROUND:

On December 12, 2013 the District approved an Interlocal Contract to provide funding for construction and construction management for the Rancho Road System – Elkhorn, Fort Apache to Grand Canyon project. A First Supplemental Interlocal Contract was approved January 8, 2015 to extend the project completion date. The Second Supplemental Interlocal Contract was approved January 12, 2017 to extend the project completion date. The Third Supplemental Interlocal Contract was approved November 9, 2017 to extend the project completion date. This Fourth Supplemental Interlocal Contract will extend the project completion date from January 1, 2019 to January 1, 2020 to allow for project closeout.

Respectfully submitted,



Mike Janssen, Director
Department of Public Works

TAC AGENDA ITEM #10c Date: 11/29/2018	RFCD AGENDA ITEM # Date: 12/13/2018
CAC AGENDA ITEM # 10c Date: 12/03/2018	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 11/19/18

**RANCHO ROAD SYSTEM – ELKHORN, FORT APACHE TO GRAND CANYON
FOURTH SUPPLEMENTAL INTERLOCAL CONTRACT – LAS16013**

The City of Las Vegas has submitted a request to approve a fourth supplemental interlocal contract for construction and construction engineering to extend the project completion date from January 1, 2019 to January 1, 2020 for the Rancho Road System – Elkhorn, Fort Apache to Grand Canyon project.

The extension is needed to allow for project closeout.

The District Attorney has reviewed the contract.

Staff Recommendation:

Approve.

Discussion by Technical Advisory Committee:

AGENDA
#10c Date: 11/29/18

Recommendation:

Discussion by Citizens Advisory Committee:

AGENDA
#10c Date: 12/03/18

Recommendation:

**FOURTH SUPPLEMENTAL INTERLOCAL CONTRACT
RANCHO ROAD SYSTEM – ELKHORN, FORT APACHE TO GRAND
CANYON**

THIS FOURTH SUPPLEMENTAL INTERLOCAL CONTRACT made and entered into as of the ____ day of _____, 2018 by and between the Clark County Regional Flood Control District, hereinafter referred to as “DISTRICT”, and the City of Las Vegas hereinafter referred to as “CITY”.

W I T N E S S E T H

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve a project to design and construct flood control improvements; and,

WHEREAS, the flood control improvements proposed herein are the same as those generally identified in the 2013 Master Plan Update as Facility Numbers RCHB 0275, hereinafter referred to as “PROJECT”; and,

WHEREAS, the PROJECT is identified and shown on the attached Exhibit “A”; and,

WHEREAS, the PROJECT has been approved by the DISTRICT on its Ten Year Construction Program; and,

WHEREAS, the PROJECT has regional flood control significance and is located in the same hydrographic area as the Las Vegas Valley; and,

WHEREAS, the Interlocal Contract dated December 12, 2013, the First Supplemental Interlocal Contract dated January 8, 2015, Second Supplemental Interlocal Contract dated January 12, 2017 and Third Supplemental Interlocal Contract dated November 9, 2017 were entered into between the DISTRICT and the CITY; and,

WHEREAS, the CITY desires to extend the project completion date.

NOW, THEREFORE, in consideration of the covenants, conditions, contracts, and promises of the parties hereto, the DISTRICT and the CITY agree to the following:

SECTION III – GENERAL, paragraph 15 shall be revised to read as follows:

15. The items covered in SECTION II - PROJECT COSTS must be completed to the satisfaction of the DISTRICT prior to January 1, 2020. The DISTRICT may, at any time thereafter, grant extensions or terminate this Contract after thirty (30) days notice.

The remainder of the original Interlocal Contract dated December 12, 2013, First Supplemental Interlocal Contract dated January 8, 2015, Second Supplemental Interlocal Contract dated January 12, 2017 and Third Supplemental Interlocal Contract dated November 9, 2017 shall remain unchanged.

IN WITNESS WHEREOF, the Parties have caused this Fourth Supplemental Interlocal Contract to be executed by their duly authorized representatives the day and year first above written.

Date of Council Action

Date of District Action

City of Las Vegas

Regional Flood Control District

By: _____
Carolyn G. Goodman, Mayor

By: _____
LAWRENCE L. BROWN, III,
Chairman

Attest

Attest

By: _____
LuAnn Holmes, MMC
City Clerk

By: _____
Sherry Allen
Secretary to the Board

Approved as to Form

Approved as to Form




By: _____
Deputy City Attorney Date

By: _____
Christopher Figgins Date
Chief Deputy District Attorney


CNGT0000

GRAND TETON

LEGEND

 Proposed CCRFCD Facility
 Future CCRFCD Facility
 Existing CCRFCD Facility

N



FARM

HUALAPAI

GRAND CANYON

FORT APACHE

RCHB0275

ELKHORN

215



CENTENNIAL



EXHIBIT A
RANCHO ROAD SYSTEM -
ELKHORN, FORT APACHE TO GRAND CANYON
(LAS16013)

SCALE: 1:15,000
 DRAWING NAME:
 RanchoRdSystem_Elkhorn,
 Ft Apache to Grand Canyon.mxd
 DRAWN BY: C. JONES
 DATE: 11/15/2018
 SHEET NUMBER 1 OF 1

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

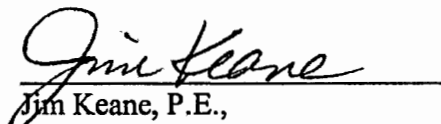
SUBJECT: HEMENWAY SYSTEM, PHASE II IMPROVEMENTS
PETITIONER: JIM KEANE, CITY ENGINEER CITY OF BOULDER CITY
RECOMMENDATION OF PETITIONER: IT IS RECOMMENDED THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT APPROVE THIS EIGHTH SUPPLEMENTAL INTERLOCAL CONTRACT FOR DESIGN TO EXTEND THE PROJECT COMPLETION DATE AND CHANGE THE SCOPE FOR THE HEMENWAY SYSTEM, PHASE II IMPROVEMENTS – BOU01C10 (FOR POSSIBLE ACTION)

FISCAL IMPACT: None.

BACKGROUND: The District entered into an Interlocal Contract with the City of Boulder City on February 11, 2010, to fund design engineering and environmental mitigation for the subject project. District approved Supplemental No. 1 to extend the project completion date on February 10, 2011, Supplemental No. 2 to increase funding was approved July 14, 2011, Supplemental No. 3 to extend the project completion date was approved on January 12, 2012, Supplemental No. 4 to extend the project completion date was approved on January 9, 2014, Supplemental No. 5 to extend the project completion date was approved on January 8, 2015, Supplemental No. 6 to increase funding and extend the project completion date was approved on January 14, 2016, and Supplemental No. 7 to extend the project completion date was approved on January 12, 2017.

This Eighth Supplemental Interlocal Contract extends the project completion date from January 14, 2019 to January 14, 2021, to allow additional time to complete design and construct the project. This Eighth Supplemental Interlocal Contract changes the scope of the project to include ID miles HMWA 0001, 0183, 0200, 0201, 0202 and 0203, HMLM 0001 and HMLV 0004.

Respectfully submitted,



 Jim Keane, P.E.,
 City Engineer
 City of Boulder City

TAC AGENDA ITEM # 11 Date: 11/29/18	RFCD AGENDA ITEM # Date: 12/13/18
CAC AGENDA ITEM # 11 Date: 12/03/18	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 11/19/18
HEMENWAY SYSTEM, PHASE II IMPROVEMENTS EIGHTH SUPPLEMENTAL INTERLOCAL CONTRACT – BOU01C10	
The City of Boulder City has submitted a request to approve an eighth supplemental interlocal contract for design engineering and environmental mitigation to extend the project completion date from January 14, 2019 to January 14, 2021 and change the scope for the Hemenway System, Phase II Improvements project.	
The extension is needed to complete design and construct the project.	
The District Attorney has reviewed the contract.	
Staff Recommendation:	
Approve.	
Discussion by Technical Advisory Committee:	AGENDA #11 Date: 11/29/18
Recommendation:	
Discussion by Citizens Advisory Committee:	AGENDA #11 Date: 12/03/18
Recommendation:	

EIGHTH SUPPLEMENTAL INTERLOCAL CONTRACT

HEMENWAY SYSTEM, PHASE II IMPROVEMENTS

THIS EIGHTH SUPPLEMENTAL INTERLOCAL CONTRACT made and entered into as of the ____ day of _____, 2018 by and between the Clark County Regional Flood Control District, hereinafter referred to as "DISTRICT", and City of Boulder City hereinafter referred to as "CITY".

WITNESSETH

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve a project to design and construct flood control improvements, and;

WHEREAS, the flood control improvements proposed herein are the same as those generally identified in the 2013 Master Plan Update, as Structures No's. HMTH 0034, HMLV 0006, 0019, HMWA 0005, 0105, 0158, 0173, 0175 and 0182 and HMLM 0066 and 0085 hereinafter referred to as "PROJECT"; and

WHEREAS, the flood control improvements proposed herein are the same as those generally identified in the 2018 Master Plan Update, as Structures No's. HMTH 0034, HMLV 0004, 0006, 0019, HMWA 0001, 0005, 0105, 0158, 0173, 0175, 0182, 0183, 0200, 0201, 0202 and 0203 and HMLM 0001, 0066 and 0085 hereinafter referred to as "PROJECT"; and

WHEREAS, the PROJECT is identified and shown on the attached Exhibit "A"; and

WHEREAS, the PROJECT has been approved by the DISTRICT on its Ten-Year Construction Program; and

WHEREAS, the City desires to extend the project completion date and change the scope of the PROJECT; and

WHEREAS, the PROJECT has regional flood control significance and is located in the same hydrographic area as Boulder City; and

WHEREAS, an Interlocal Contract for the Hemenway System, Phase II Improvements, dated February 11, 2010 and Supplemental Interlocal Contracts dated February 10, 2011, July 14, 2011, January 12, 2012, January 9, 2014, January 8, 2015, January 14, 2016, and January 12, 2017 were entered into between the DISTRICT and the CITY; and

NOW THEREFORE, in consideration of the covenants, conditions, contracts, and promises of the parties hereto, the DISTRICT and the CITY agree to the following:

SECTION I – SCOPE OF THE PROJECT, shall be changed to read as follows;

This Interlocal Contract applies to design associated with the Hemenway System, Phase II Improvements. The scope of the project is being changed to include ID miles HMWA 0001, 0183, 0200, 0201, 0202 and 0203, HMLM 0001 and HMLV 0004. The basic improvements shall consist of flood water facilities including pipes, channels, dikes, energy dissipators, channel structures, channel access and other appurtenances as may be necessary to control floodwaters. The improvements shall be funded through DISTRICT funds as herein described. This project is further identified and shown on the attached Exhibit "A".

SECTION III – GENERAL, paragraph 14 shall be changed to read as follows:

14. The items covered in SECTION II - PROJECT COSTS must be completed to the satisfaction of the DISTRICT prior to January 14, 2021. The DISTRICT may, at any time thereafter, grant extensions or terminate this CONTRACT after thirty (30) days notice.

The remainder of the original interlocal contract dated February 11, 2010, First Supplemental dated February 10, 2011, Second Supplemental dated July 14, 2011, Third Supplemental dated January 12, 2012, Fourth Supplemental dated January 9, 2014, Fifth Supplemental dated January 8, 2015, Sixth Supplemental dated January 14, 2016, and Seventh Supplemental dated January 12, 2017 shall remain unchanged.

///

///

///

///

///

///

///

///

///

///

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

Date of District Action:

REGIONAL FLOOD CONTROL DISTRICT

BY:

LAWRENCE L. BROWN, III, Chairman

ATTEST:

SHERRY ALLEN
Secretary to the Board

Approved as to Form:

CHRISTOPHER FIGGINS
Chief Deputy District Attorney

Date of Council Action:

CITY OF BOULDER CITY

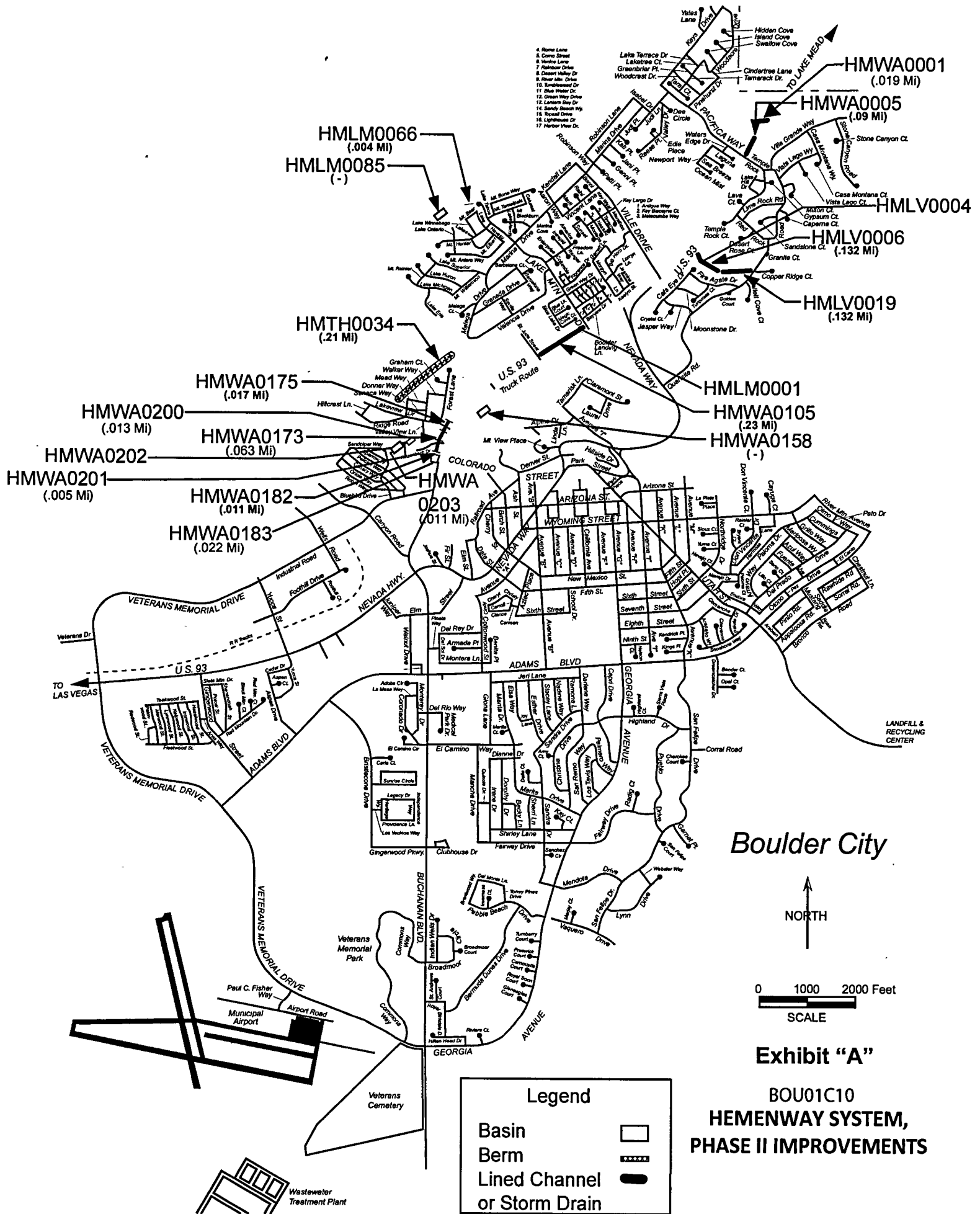
RODNEY WOODBURY, Mayor

ATTEST:

LORENE KRUMM
City Clerk
(Seal)

Approved as to Form:

STEVEN L. MORRIS, City Attorney



Boulder City

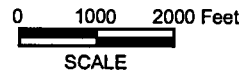


Exhibit "A"

BOU01C10 HEMENWAY SYSTEM, PHASE II IMPROVEMENTS

Legend

Basin	
Berm	
Lined Channel or Storm Drain	

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT: RANCHO ROAD SYSTEM – ELKHORN, GRAND CANYON TO HUALAPAI

PETITIONER: MIKE JANSSEN, DIRECTOR
CITY OF LAS VEGAS PUBLIC WORKS

RECOMMENDATION OF PETITIONER:

IT IS RECOMMENDED THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT APPROVE THE REQUEST TO REALLOCATE FUNDING WITHIN THE INTERLOCAL CONTRACT FOR CONSTRUCTION AND APPROVE A WAIVER OF THE DESIGN ENGINEERING CAP FOR RANCHO ROAD SYSTEM – ELKHORN, GRAND CANYON TO HUALAPAI – LAS16Q18 (FOR POSSIBLE ACTION)

FISCAL IMPACT:

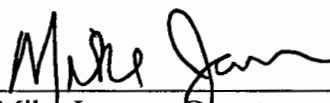
	Current Funding	Increase/Decrease	Proposed Funding
Construction Management	\$ 335,330	\$114,241	\$449,571
Construction	\$4,790,430	(\$114,241)	\$4,676,189
Total	\$5,125,760	\$ 0	\$5,125,760

BACKGROUND:

On March 8, 2018 the District entered into an Interlocal Contract with the City to provide funding for the construction and construction management of Rancho Road System – Elkhorn, Grand Canyon to Hualapai project.

The City is requesting a reallocation of funding due to favorable bids and approval of a waiver of the design engineering cap.

Respectfully submitted,



Mike Janssen, Director
Department of Public Works

TAC AGENDA ITEM # 12a Date: 11/29/2018	RFCD AGENDA ITEM # Date: 12/13/2018
CAC AGENDA ITEM # 12a Date: 12/03/2018	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 11/19/18

**RANCHO ROAD SYSTEM – ELKHORN, GRAND CANYON TO HUALAPAI
REALLOCATION OF FUNDING – LAS16Q18**

The City of Las Vegas has submitted a request to reallocate funding within the interlocal contract for construction and construction engineering dated March 8, 2018 for the Rancho Road System – Elkhorn, Grand Canyon to Hualapai project.

The City is requesting a reallocation of funding due to favorable bids and approve a waiver of the design engineering cap. District funding will be as follows:

	Current Funding	Increase/Decrease	Proposed Funding
Construction	\$4,790,430	(\$114,241)	\$4,676,189
Construction Engineering	\$ 335,330	\$ 114,241	\$ 449,571
Total ILC Value	\$5,125,760	\$ 0	\$5,125,760

Staff Recommendation:

Approve.

Discussion by Technical Advisory Committee:

AGENDA
#12a Date: 11/29/18

Recommendation:

Discussion by Citizens Advisory Committee:

AGENDA
#12a Date: 12/03/18

Recommendation:

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT: RANCHO ROAD SYSTEM – ELKHORN, GRAND CANYON TO HUALAPAI
PETITIONER: MIKE JANSSEN, DIRECTOR CITY OF LAS VEGAS PUBLIC WORKS
RECOMMENDATION OF PETITIONER: IT IS RECOMMENDED THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT RECEIVE A REPORT ON THE RECOMMENDATION OF THE AWARD OF BID FOR CONSTRUCTION OF THE RANCHO ROAD SYSTEM – ELKHORN, GRAND CANYON TO HUALAPI – LAS16Q18

FISCAL IMPACT: None by this action. Funding will be provided as follows:

\$4,257,443.90 Regional Flood Control District


BACKGROUND:

On September 6, 2018, bids were open for the Rancho Road System – Elkhorn, Grand Canyon to Hualapai project. Ten bids were received ranging in cost from \$4,257,443.90 to \$5,981,378.00. The lowest bidder of \$4,257,443.90 by Lone Mountain Excavation was recommended, which is approximately 6.68% below engineer’s estimate of \$4,562,313.00 presented to the District Board March 8, 2018.

The interlocal contract dated March 8, 2018 between the District and the City allocates \$4,790,430.00 for construction of this project. There is a reallocation of funding request on this agenda for approval allocating \$4,676,189.00 for construction of this project.

A cash flow projection, estimated construction schedule, and a tabulation of base bid are attached.

Respectfully submitted,


Mike Janssen, Director
Department of Public Works

TAC AGENDA ITEM # 12b Date: 11/29/2018	RFCD AGENDA ITEM # Date: 12/13/2018
CAC AGENDA ITEM # 12b Date: 12/03/2018	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 11/19/18
<p>RANCHO ROAD SYSTEM – ELKHORN, GRAND CANYON TO HUALAPAI AWARD OF BID FOR CONSTRUCTION – LAS16Q18</p> <p>On September 6, 2018, bids were open for Rancho Road System – Elkhorn, Grand Canyon to Hualapai project. Ten (10) bids were received ranging in cost from \$4,257,443.90 to \$5,981,378.00. The recommended best bid was to Lone Mountain Excavation in the amount of \$4,257,443.90 or 6.68% below the engineer’s estimate of \$4,562,313.00 presented to the District Board in March 2018.</p> <p>The Interlocal Contract dated March 8, 2018 between the District and the City allocates \$4,790,430.00 for construction of this project. There is a reallocation of funding request on this agenda for approval allocating \$4,676,189.00 for construction of this project.</p> <p>A cash flow projection, estimated construction schedule, and a tabulation of base bid are attached.</p>	
Staff Recommendation: Receive the report.	
Discussion by Technical Advisory Committee:	AGENDA #12b Date: 11/29/18
Recommendation:	
Discussion by Citizens Advisory Committee:	AGENDA #12b Date: 12/03/18
Recommendation:	

Clark County Regional Flood Control District Cash Flow Projection

Today's Date: 11/12/2018

Project Number: LAS16Q18
 Project Name: Rancho Road System - Elkhorn, Grand Canyon to Hualapai
 Project Type: Storm Drain
 ILC Amount: \$ 5,125,760

Construction Schedule			
Milestone	Estimate	Revised	Actual
Award of Bid	7/1/2018	9/6/2018	
CONS Start	8/1/2018	1/2/2019	
CONS Complete	1/31/2020	6/30/2020	
Project Duration	18 months	18 months	

Billing Month	Original Estimate		Actual Drawdowns		Variance		Billing month	Revised Estimate	
	\$	%	\$	%	\$	%		\$	%
Aug-18	\$51,258	1%					Jan-19	\$51,258	1%
Sep-18	\$102,515	2%					Feb-19	\$102,515	2%
Oct-18	\$153,773	3%					Mar-19	\$153,773	3%
Nov-18	\$205,030	4%					Apr-19	\$205,030	4%
Dec-18	\$256,288	5%					May-19	\$256,288	5%
Jan-19	\$256,288	5%					Jun-19	\$256,288	5%
Feb-19	\$358,803	7%					Jul-19	\$358,803	7%
Mar-19	\$410,061	8%					Aug-19	\$410,061	8%
Apr-19	\$512,576	10%					Sep-19	\$512,576	10%
May-19	\$512,576	10%					Oct-19	\$512,576	10%
Jun-19	\$512,576	10%					Nov-19	\$512,576	10%
Jul-19	\$615,091	12%					Dec-19	\$615,091	12%
Aug-19	\$307,546	6%					Jan-20	\$307,546	6%
Sep-19	\$256,288	5%					Feb-20	\$256,288	5%
Oct-19	\$205,030	4%					Mar-20	\$205,030	4%
Nov-19	\$153,773	3%					Apr-20	\$153,773	3%
Dec-19	\$153,773	3%					May-20	\$153,773	3%
Jan-20	\$102,515	2%					Jun-20	\$102,515	2%
Total	\$ 5,125,760	100%						\$ 5,125,760	100.00%

BID ABSTRACT
 BID NAME
 BID NUMBER

ITEM NO.	ITEM DESCRIPTION	U O M	APPROX QTY	ENGINEER'S ESTIMATE		Long Mountain Excavation & Utilities, LLC		Tend, Inc.		Las Vegas Paving Corporation		TAB Contractors, Inc.		Contrl Construction Company		Caprial Construction Corp, Inc.		Wadley Construction, Inc.		Meadow Valley Contractors		MuBer Construction		Harber Company, Inc.				
				UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	
105.01	CONTRACTOR QUALITY CONTROL	LS	1	\$ 45,000.00	\$ 45,000.00	\$53,500.00	\$ 53,500.00	\$65,000.00	\$ 65,000.00	\$90,000.00	\$ 90,000.00	\$ 90,000.00	\$110,000.00	\$ 110,000.00	\$128,750.00	\$ 128,750.00	\$48,076.33	\$ 48,076.33	\$90,700.00	\$ 90,700.00	\$105,000.00	\$ 105,000.00	\$46,899.13	\$ 46,899.13	\$50,000.00	\$ 50,000.00		
108.01	OWNER INITIATED TIME EXTENSION ALLOWANCE	DAY	30	\$ 500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	
108.02	OWNER INITIATED TIME EXTENSION AMOUNT IN ADDITION TO ALLOWANCE	DAY	30	\$ 500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$500.00	\$ 15,000.00	\$1.00	\$ 30.00	\$870.00	\$ 26,100.00	\$1,000.00	\$ 30,000.00	\$500.00	\$ 15,000.00	\$0.00	\$ 0.00	\$500.00	\$ 1,500.00	\$111.83	\$ 3,354.90	\$1,000.00	\$ 3,000.00	\$1,000.00	\$ 3,000.00	
200.01	MOBILIZATION AND DEMOBILIZATION	LS	1	\$ 207,000.00	\$ 207,000.00	\$207,000.00	\$ 207,000.00	\$207,000.00	\$ 207,000.00	\$207,000.00	\$ 207,000.00	\$207,000.00	\$ 207,000.00	\$207,000.00	\$ 207,000.00	\$207,000.00	\$ 207,000.00	\$207,000.00	\$ 207,000.00	\$207,000.00	\$ 207,000.00	\$207,000.00	\$ 207,000.00	\$207,000.00	\$ 207,000.00	\$207,000.00		
202.01	DEMOLISH AND REMOVE CONCRETE OVERFLOW WEIR AND HEADWALL STRUCTURE	LS	1	\$ 20,000.00	\$ 20,000.00	\$25,000.00	\$ 25,000.00	\$22,000.00	\$ 22,000.00	\$48,000.00	\$ 48,000.00	\$48,000.00	\$ 48,000.00	\$22,000.00	\$ 22,000.00	\$29,431.00	\$ 29,431.00	\$6,356.01	\$ 6,356.01	\$23,600.00	\$ 23,600.00	\$25,000.00	\$ 25,000.00	\$18,452.16	\$ 18,452.16	\$35,000.00	\$ 35,000.00	
202.02	DEMOLISH AND REMOVE 6"X4 CONCRETE ARCH CULVERT	LF	227	\$ 250.00	\$ 56,750.00	\$153.00	\$ 34,731.00	\$115.00	\$ 26,105.00	\$110.00	\$ 24,970.00	\$120.00	\$ 27,240.00	\$87.00	\$ 19,749.00	\$113.37	\$ 25,734.90	\$140.00	\$ 31,780.00	\$115.00	\$ 26,105.00	\$436.14	\$ 99,003.78	\$180.00	\$ 40,860.00	\$180.00	\$ 40,860.00	
202.03	DEMOLISH AND REMOVE 18" RCP STORM DRAIN	LF	66	\$ 40.00	\$ 2,640.00	\$66.00	\$ 4,290.00	\$72.00	\$ 4,880.00	\$105.00	\$ 6,925.00	\$79.00	\$ 5,135.00	\$15.00	\$ 975.00	\$48.49	\$ 3,191.85	\$117.00	\$ 7,805.00	\$50.00	\$ 3,250.00	\$51.44	\$ 3,343.60	\$95.00	\$ 6,175.00	\$95.00	\$ 6,175.00	
202.04	DEMOLISH AND REMOVE 24" RCP STORM DRAIN	LF	289	\$ 55.00	\$ 15,895.00	\$75.00	\$ 21,675.00	\$80.00	\$ 23,120.00	\$60.00	\$ 14,450.00	\$66.00	\$ 19,074.00	\$108.00	\$ 31,212.00	\$32.29	\$ 9,331.81	\$129.00	\$ 37,281.00	\$62.00	\$ 18,028.00	\$72.69	\$ 21,007.41	\$110.00	\$ 31,790.00	\$110.00	\$ 31,790.00	
202.05	DEMOLISH AND REMOVE 34" RCP STORM DRAIN	LF	287	\$ 70.00	\$ 18,690.00	\$150.00	\$ 40,050.00	\$175.00	\$ 48,725.00	\$72.00	\$ 19,224.00	\$80.00	\$ 21,360.00	\$99.00	\$ 26,433.00	\$142.08	\$ 37,930.02	\$65.20	\$ 17,408.40	\$56.00	\$ 14,952.00	\$117.42	\$ 31,351.14	\$165.00	\$ 44,055.00	\$165.00	\$ 44,055.00	
202.06	DEMOLISH AND REMOVE DROP INLET	EA	3	\$ 1,500.00	\$ 4,500.00	\$775.00	\$ 2,325.00	\$3,300.00	\$ 9,900.00	\$2,560.00	\$ 7,680.00	\$3,700.00	\$ 11,100.00	\$882.00	\$ 2,646.00	\$1,348.99	\$ 4,046.77	\$1,800.00	\$ 5,400.00	\$1,550.00	\$ 4,650.00	\$1,268.06	\$ 3,804.18	\$1,200.00	\$ 3,600.00	\$1,200.00	\$ 3,600.00	
202.07	DEMOLISH AND REMOVE STORM DRAIN MANHOLE	EA	6	\$ 1,200.00	\$ 7,200.00	\$1,550.00	\$ 9,300.00	\$3,000.00	\$ 18,000.00	\$1,200.00	\$ 7,200.00	\$750.00	\$ 4,500.00	\$1,238.00	\$ 7,428.00	\$1,172.64	\$ 7,036.84	\$2,160.00	\$ 12,960.00	\$1,230.00	\$ 7,380.00	\$1,621.65	\$ 9,729.90	\$3,500.00	\$ 21,000.00	\$3,500.00	\$ 21,000.00	
202.08	EXCAVATE AND REMOVE TEMPORARY FILL, CONCRETE PAVEMENT, AND CONCRETE HEADWALL	LS	1	\$ 8,500.00	\$ 8,500.00	\$10,000.00	\$ 10,000.00	\$8,000.00	\$ 8,000.00	\$10,500.00	\$ 10,500.00	\$8,000.00	\$ 8,000.00	\$3,390.00	\$ 3,390.00	\$16,888.60	\$ 16,888.60	\$3,310.00	\$ 3,310.00	\$14,000.00	\$ 14,000.00	\$16,774.69	\$ 16,774.69	\$8,000.00	\$ 8,000.00	\$8,000.00	\$ 8,000.00	
202.09	DEMOLISH AND REMOVE TRIPLE 20" CPVC PVC CULVERTS	LF	66	\$ 75.00	\$ 4,875.00	\$170.00	\$ 11,050.00	\$65.00	\$ 4,255.00	\$162.00	\$ 10,692.00	\$ 6,930.00	\$110.00	\$ 7,150.00	\$144.00	\$ 9,360.00	\$96.84	\$ 6,294.60	\$123.00	\$ 8,106.00	\$64.00	\$ 4,160.00	\$56.79	\$ 3,748.35	\$130.00	\$ 8,450.00	\$130.00	\$ 8,450.00
202.10	DEMOLISH AND REMOVE 12"INCH WATERLINE	LS	1	\$ 3,500.00	\$ 3,500.00	\$10,200.00	\$ 10,200.00	\$16,000.00	\$ 16,000.00	\$6,400.00	\$ 6,400.00	\$6,700.00	\$ 6,700.00	\$15,563.00	\$ 15,563.00	\$7,943.12	\$ 7,943.12	\$8,410.00	\$ 8,410.00	\$4,000.00	\$ 4,000.00	\$11,742.28	\$ 11,742.28	\$8,000.00	\$ 8,000.00	\$8,000.00	\$ 8,000.00	
202.11	DEMOLISH AND REMOVE 6"INCH FIRE HYDRANT LATERAL	LS	1	\$ 5,500.00	\$ 5,500.00	\$2,900.00	\$ 2,900.00	\$7,500.00	\$ 7,500.00	\$3,400.00	\$ 3,400.00	\$3,800.00	\$ 3,800.00	\$7,546.00	\$ 7,546.00	\$9,371.36	\$ 9,371.36	\$5,450.00	\$ 5,450.00	\$4,000.00	\$ 4,000.00	\$3,468.77	\$ 3,468.77	\$9,000.00	\$ 9,000.00	\$9,000.00	\$ 9,000.00	
212.01	MEDIAN LANDSCAPING RESTORATION	LS	1	\$ 3,500.00	\$ 3,500.00	\$11,500.00	\$ 11,500.00	\$8,000.00	\$ 8,000.00	\$31,000.00	\$ 31,000.00	\$11,500.00	\$ 11,500.00	\$32,878.00	\$ 32,878.00	\$15,146.28	\$ 15,146.28	\$53,400.00	\$ 53,400.00	\$12,500.00	\$ 12,500.00	\$12,460.37	\$ 12,460.37	\$20,000.00	\$ 20,000.00	\$20,000.00	\$ 20,000.00	
212.02	DROP INLETS LANDSCAPING RESTORATION	LS	1	\$ 3,500.00	\$ 3,500.00	\$30,000.00	\$ 30,000.00	\$25,000.00	\$ 25,000.00	\$24,000.00	\$ 24,000.00	\$29,000.00	\$ 29,000.00	\$26,247.00	\$ 26,247.00	\$31,391.63	\$ 31,391.63	\$24,000.00	\$ 24,000.00	\$32,500.00	\$ 32,500.00	\$31,631.47	\$ 31,631.47	\$9,000.00	\$ 9,000.00	\$9,000.00	\$ 9,000.00	
212.03	GRASSING AND LANDSCAPING RESTORATION AT DEMOLISHED OVERFLOW STRUCTURE	LS	1	\$ 12,000.00	\$ 12,000.00	\$55,000.00	\$ 55,000.00	\$45,000.00	\$ 45,000.00	\$29,000.00	\$ 29,000.00	\$55,000.00	\$ 55,000.00	\$33,001.00	\$ 33,001.00	\$58,367.14	\$ 58,367.14	\$20,400.00	\$ 20,400.00	\$80,000.00	\$ 80,000.00	\$60,000.00	\$ 60,000.00	\$59,259.36	\$ 59,259.36	\$10,000.00	\$ 10,000.00	
212.04	REMOVAL AND REPLACEMENT OF MATURE TREES	EA	3	\$ 7,500.00	\$ 22,500.00	\$3,100.00	\$ 9,300.00	\$4,000.00	\$ 12,000.00	\$3,500.00	\$ 10,500.00	\$3,200.00	\$ 9,600.00	\$4,408.00	\$ 13,224.00	\$3,306.12	\$ 9,918.36	\$4,070.00	\$ 12,210.00	\$3,400.00	\$ 10,200.00	\$3,354.94	\$ 10,064.82	\$1,500.00	\$ 4,500.00	\$1,500.00	\$ 4,500.00	
202.01	TYPE B AGGREGATE BASE FOR ROADWAY	CY	1,092	\$ 35.00	\$ 38,220.00	\$40.00	\$ 43,680.00	\$55.00	\$ 60,060.00	\$60.00	\$ 67,360.00	\$25.00	\$ 27,300.00	\$18.00	\$ 19,656.00	\$21.70	\$ 23,696.40	\$64.70	\$ 70,652.40	\$42.00	\$ 45,700.00	\$42.50	\$ 46,410.00	\$165.00	\$ 180,180.00	\$165.00	\$ 180,180.00	
402.01	1/2" (3-INCH) PLANT MIX BITUMINOUS SURFACE	SY	6,562	\$ 35.00	\$ 229,320.00	\$40.50	\$ 265,359.00	\$33.00	\$ 216,216.00	\$33.00	\$ 216,216.00	\$33.00	\$ 216,216.00	\$45.00	\$ 294,840.00	\$49.11	\$ 321,768.72	\$44.30	\$ 290,253.60	\$59.00	\$ 389,844.00	\$43.84	\$ 287,236.68	\$35.00	\$ 229,320.00	\$35.00	\$ 229,320.00	
402.02	1/2" (3-INCH) MILL AND OVERLAY	SY	8,478	\$ 20.00	\$ 169,560.00	\$16.00	\$ 135,648.00	\$17.00	\$ 144,126.00	\$18.00	\$ 152,604.00	\$16.50	\$ 139,887.00	\$18.00	\$ 152,604.00	\$20.84	\$ 177,529.32	\$18.55	\$ 157,266.90	\$18.00	\$ 151,082.00	\$17.33	\$ 146,023.74	\$18.00	\$ 152,604.00	\$18.00	\$ 152,604.00	
502.01	CAST IN PLACE RCBS ACCESS STRUCTURE STA 10+3	LF	2,983	\$ 810.00	\$ 2,416,230.00	\$720.00	\$ 2,147,760.00	\$750.00	\$ 2,237,250.00	\$720.00	\$ 2,147,760.00	\$814.00	\$ 2,428,162.00	\$617.00	\$ 2,427,111.00	\$904.02	\$ 2,699,376.36	\$1,010.00	\$ 3,012,830.00	\$1,015.00	\$ 3,027,745.00	\$1,168.98	\$ 3,481,101.34	\$1,000.00	\$ 3,251,470.00	\$1,000.00	\$ 3,251,470.00	
502.02	CAST IN PLACE RCBS ACCESS STRUCTURE STA 10+3	LS	1	\$ 57,000.00	\$ 57,000.00	\$96,000.00	\$ 96,000.00	\$80,000.00	\$ 80,000.00	\$80,000.00	\$ 80,000.00	\$79,000.00	\$ 79,000.00	\$79,918.00	\$ 79,918.00	\$109,545.02	\$ 109,545.02	\$116,000.00	\$ 116,000.00	\$78,000.00	\$ 78,000.00	\$108,538.94	\$ 108,538.94	\$160,000.00	\$ 160,000.00	\$160,000.00	\$ 160,000.00	
502.03	CAST IN PLACE TRANSITION STRUCTURE STA #51	LS	1	\$ 15,000.00	\$ 15,000.00	\$19,500.00	\$ 19,500.00	\$23,000.00	\$ 23,000.00	\$22,000.00	\$ 22,000.00	\$22,000.00	\$ 22,000.00	\$20,000.00	\$ 20,000.00	\$16,372.00	\$ 16,372.00	\$21,823.68	\$ 21,823.68	\$25,300.00	\$ 25,300.00	\$26,000.00	\$ 26,000.00	\$23,768.61	\$ 23,768.61	\$35,000.00	\$ 35,000.00	

BID ABSTRACT
 BID NAME
 BID NUMBER

ITEM NO.	ITEM DESCRIPTION	U O M	APPROX QTY	ENGINEER'S ESTIMATE		Lone Mountain Excavation & Utilities, LLC		Tand, Inc.		Las Vegas Paving Corporation		TAB Contractors, Inc.		Coet Construction Company		Capital Construction Corp, Inc.		Wadley Construction, Inc.		Meadow Valley Contractors		Muller Construction		Harber Company, Inc.					
				UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE	UNIT PRICE	EXTENDED PRICE		
502.04	COPY IN PLACE FIBER CONNECTION (5A) 3/8"	LF	1	\$ 3,500.00	\$ 3,500.00	\$ 7,650.00	\$ 7,650.00	\$ 10,000.00	\$ 10,000.00	\$ 12,000.00	\$ 12,000.00	\$ 7,000.00	\$ 7,000.00	\$ 9,430.00	\$ 9,430.00	\$ 9,717.67	\$ 9,717.67	\$ 8,360.00	\$ 8,360.00	\$ 4,600.00	\$ 4,600.00	\$ 11,641.63	\$ 11,641.63	\$ 27,000.00	\$ 27,000.00				
503.01	8-INCH REINFORCED CONCRETE PIPE (CLASS III)	LF	347	\$ 220.00	\$ 76,340.00	\$ 150.00	\$ 52,050.00	\$ 190.00	\$ 66,460.00	\$ 200.00	\$ 69,400.00	\$ 245.00	\$ 85,015.00	\$ 272.00	\$ 94,384.00	\$ 178.29	\$ 61,172.63	\$ 280.00	\$ 97,160.00	\$ 364.00	\$ 126,028.00	\$ 133,248.00	\$ 168.31	\$ 58,403.57	\$ 900.00	\$ 313,800.00			
503.02	8-INCH REINFORCED CONCRETE PIPE (CLASS IV)	LF	68	\$ 290.00	\$ 25,520.00	\$ 195.00	\$ 14,520.00	\$ 215.00	\$ 14,620.00	\$ 220.00	\$ 15,360.00	\$ 300.00	\$ 26,400.00	\$ 259.00	\$ 22,792.00	\$ 199.79	\$ 16,701.52	\$ 259.00	\$ 22,792.00	\$ 451.00	\$ 38,884.00	\$ 36,984.00	\$ 163.40	\$ 16,136.20	\$ 625.00	\$ 46,200.00			
503.03	8-INCH REINFORCED CONCRETE PIPE (CLASS IV)	LF	180	\$ 310.00	\$ 55,800.00	\$ 220.00	\$ 39,600.00	\$ 230.00	\$ 41,400.00	\$ 220.00	\$ 39,800.00	\$ 310.00	\$ 55,800.00	\$ 302.00	\$ 54,360.00	\$ 219.62	\$ 39,531.60	\$ 249.00	\$ 44,820.00	\$ 433.00	\$ 77,940.00	\$ 44,820.00	\$ 210.24	\$ 37,843.20	\$ 850.00	\$ 153,000.00			
503.04	8-INCH REINFORCED CONCRETE PIPE (CLASS IV)	LF	220	\$ 380.00	\$ 83,600.00	\$ 362.00	\$ 79,640.00	\$ 280.00	\$ 61,600.00	\$ 335.00	\$ 73,700.00	\$ 440.00	\$ 96,800.00	\$ 373.00	\$ 82,060.00	\$ 315.82	\$ 69,480.40	\$ 342.00	\$ 75,240.00	\$ 420.00	\$ 92,400.00	\$ 420.00	\$ 92,400.00	\$ 263.62	\$ 58,002.40	\$ 625.00	\$ 137,500.00		
503.05	8-INCH REINFORCED CONCRETE PIPE (CLASS IV)	LF	116	\$ 350.00	\$ 40,600.00	\$ 245.00	\$ 28,420.00	\$ 320.00	\$ 37,120.00	\$ 306.00	\$ 35,380.00	\$ 326.00	\$ 37,700.00	\$ 293.00	\$ 33,980.00	\$ 270.87	\$ 31,432.52	\$ 312.00	\$ 36,192.00	\$ 464.00	\$ 53,824.00	\$ 53,824.00	\$ 263.62	\$ 30,614.72	\$ 840.00	\$ 98,400.00			
503.06	8-INCH REINFORCED CONCRETE PIPE (CLASS IV)	LF	31	\$ 400.00	\$ 12,400.00	\$ 300.00	\$ 9,300.00	\$ 350.00	\$ 10,850.00	\$ 430.00	\$ 13,330.00	\$ 400.00	\$ 12,400.00	\$ 363.00	\$ 11,263.00	\$ 318.13	\$ 9,800.03	\$ 430.00	\$ 13,330.00	\$ 592.00	\$ 18,352.00	\$ 18,352.00	\$ 287.41	\$ 8,909.71	\$ 960.00	\$ 18,000.00			
509.01	8-INCH X 20-FOOT ELLIPTICAL REINFORCED CONCRETE PIPE (CLASS IV)	EA	4	\$ 3,250.00	\$ 13,000.00	\$ 4,100.00	\$ 16,400.00	\$ 2,820.00	\$ 11,280.00	\$ 4,600.00	\$ 18,400.00	\$ 3,600.00	\$ 14,400.00	\$ 2,600.00	\$ 10,400.00	\$ 2,700.00	\$ 10,800.00	\$ 3,200.00	\$ 12,800.00	\$ 2,500.00	\$ 10,000.00	\$ 2,500.00	\$ 10,000.00	\$ 2,227.66	\$ 8,910.64	\$ 45,000.00	\$ 180,000.00		
509.02	16-INCH STORM DRAIN MANHOLE - TYPE III	EA	4	\$ 9,500.00	\$ 38,000.00	\$ 11,000.00	\$ 44,000.00	\$ 11,000.00	\$ 44,000.00	\$ 10,300.00	\$ 41,200.00	\$ 8,500.00	\$ 34,000.00	\$ 11,519.00	\$ 46,076.00	\$ 9,581.54	\$ 38,326.16	\$ 9,440.00	\$ 37,760.00	\$ 10,000.00	\$ 40,000.00	\$ 40,000.00	\$ 117,634.67	\$ 470,536.00	\$ 20,000.00	\$ 80,000.00			
509.03	16-INCH STORM DRAIN MANHOLE - TYPE III	EA	1	\$ 11,000.00	\$ 11,000.00	\$ 21,000.00	\$ 21,000.00	\$ 15,500.00	\$ 15,500.00	\$ 15,500.00	\$ 15,500.00	\$ 15,500.00	\$ 15,500.00	\$ 17,448.00	\$ 17,448.00	\$ 14,521.08	\$ 14,521.08	\$ 14,700.00	\$ 14,700.00	\$ 13,500.00	\$ 13,500.00	\$ 13,500.00	\$ 22,466.80	\$ 22,466.80	\$ 25,000.00	\$ 25,000.00			
509.04	15-FT TYPE CM2 DROP INLET	EA	1	\$ 13,500.00	\$ 13,500.00	\$ 16,000.00	\$ 16,000.00	\$ 13,000.00	\$ 13,000.00	\$ 14,000.00	\$ 14,000.00	\$ 14,000.00	\$ 14,000.00	\$ 15,030.00	\$ 15,030.00	\$ 14,317.06	\$ 14,317.06	\$ 13,700.00	\$ 13,700.00	\$ 17,300.00	\$ 17,300.00	\$ 19,000.00	\$ 19,000.00	\$ 20,508.73	\$ 20,508.73	\$ 23,500.00	\$ 23,500.00		
509.05	15-FT TYPE CM2 DROP INLET	EA	1	\$ 12,500.00	\$ 12,500.00	\$ 17,000.00	\$ 17,000.00	\$ 16,000.00	\$ 16,000.00	\$ 16,800.00	\$ 16,800.00	\$ 16,800.00	\$ 16,800.00	\$ 18,357.00	\$ 18,357.00	\$ 16,931.34	\$ 16,931.34	\$ 16,000.00	\$ 16,000.00	\$ 19,600.00	\$ 19,600.00	\$ 22,000.00	\$ 22,000.00	\$ 22,444.36	\$ 22,444.36	\$ 22,000.00	\$ 22,000.00		
509.06	15-FT TYPE CM2 DROP INLET	EA	3	\$ 10,000.00	\$ 30,000.00	\$ 23,000.00	\$ 69,000.00	\$ 20,000.00	\$ 60,000.00	\$ 25,000.00	\$ 75,000.00	\$ 21,000.00	\$ 63,000.00	\$ 27,000.00	\$ 81,000.00	\$ 24,310.00	\$ 72,930.00	\$ 20,923.69	\$ 62,771.07	\$ 23,000.00	\$ 69,000.00	\$ 30,000.00	\$ 90,000.00	\$ 27,509.19	\$ 82,527.57	\$ 59,000.00	\$ 177,000.00		
509.07	17-FT TYPE CM2 DROP INLET	EA	1	\$ 17,000.00	\$ 17,000.00	\$ 23,500.00	\$ 23,500.00	\$ 20,000.00	\$ 20,000.00	\$ 22,000.00	\$ 22,000.00	\$ 22,000.00	\$ 22,000.00	\$ 23,284.00	\$ 23,284.00	\$ 21,796.78	\$ 21,796.78	\$ 20,500.00	\$ 20,500.00	\$ 25,200.00	\$ 25,200.00	\$ 26,000.00	\$ 26,000.00	\$ 28,310.08	\$ 28,310.08	\$ 30,000.00	\$ 30,000.00		
509.08	18-FT TYPE CM2 DROP INLET	EA	3	\$ 19,000.00	\$ 57,000.00	\$ 24,000.00	\$ 72,000.00	\$ 20,000.00	\$ 60,000.00	\$ 27,000.00	\$ 81,000.00	\$ 27,000.00	\$ 81,000.00	\$ 30,851.00	\$ 92,553.00	\$ 23,113.28	\$ 69,339.87	\$ 20,000.00	\$ 60,000.00	\$ 28,000.00	\$ 84,000.00	\$ 30,000.00	\$ 90,000.00	\$ 31,000.00	\$ 93,000.00	\$ 35,000.00	\$ 105,000.00		
509.09	18-FT TYPE CM2 DROP INLET (D#4)	EA	1	\$ 15,000.00	\$ 15,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 21,500.00	\$ 21,500.00	\$ 19,487.60	\$ 19,487.60	\$ 18,000.00	\$ 18,000.00	\$ 22,500.00	\$ 22,500.00	\$ 22,000.00	\$ 22,000.00	\$ 23,387.47	\$ 23,387.47	\$ 25,000.00	\$ 25,000.00		
509.10	18-FT TYPE CM2 DROP INLET	EA	2	\$ 17,000.00	\$ 34,000.00	\$ 24,000.00	\$ 48,000.00	\$ 20,000.00	\$ 40,000.00	\$ 25,000.00	\$ 50,000.00	\$ 30,000.00	\$ 60,000.00	\$ 31,000.00	\$ 62,000.00	\$ 27,838.00	\$ 55,676.00	\$ 22,500.00	\$ 45,000.00	\$ 45,000.00	\$ 90,000.00	\$ 45,000.00	\$ 90,000.00	\$ 100,754.25	\$ 201,508.50	\$ 125,000.00	\$ 250,000.00		
509.11	18-FT TYPE 28 AREA DRAIN	EA	2	\$ 5,000.00	\$ 10,000.00	\$ 6,250.00	\$ 12,500.00	\$ 4,000.00	\$ 8,000.00	\$ 5,500.00	\$ 11,000.00	\$ 7,000.00	\$ 14,000.00	\$ 6,350.00	\$ 12,700.00	\$ 7,500.00	\$ 15,000.00	\$ 7,999.39	\$ 15,998.78	\$ 8,500.00	\$ 17,000.00	\$ 10,000.00	\$ 20,000.00	\$ 10,000.00	\$ 20,000.00	\$ 15,108.40	\$ 30,216.80	\$ 35,000.00	\$ 70,000.00
513.01	CONCRETE SIDEWALK	SY	85	\$ 60.00	\$ 5,100.00	\$ 57.00	\$ 4,845.00	\$ 58.00	\$ 4,930.00	\$ 59.00	\$ 5,005.00	\$ 61.00	\$ 5,145.00	\$ 62.00	\$ 5,270.00	\$ 61.00	\$ 5,145.00	\$ 63.00	\$ 5,355.00	\$ 64.00	\$ 5,440.00	\$ 5,440.00	\$ 65.00	\$ 5,525.00	\$ 66.00	\$ 5,610.00	\$ 5,610.00		
513.02	TYPE L CURB AND GUTTER	LF	170	\$ 22.00	\$ 3,740.00	\$ 24.00	\$ 4,080.00	\$ 25.00	\$ 4,275.00	\$ 26.00	\$ 4,470.00	\$ 27.00	\$ 4,665.00	\$ 28.00	\$ 4,860.00	\$ 29.00	\$ 4,950.00	\$ 30.00	\$ 5,145.00	\$ 31.00	\$ 5,235.00	\$ 32.00	\$ 5,430.00	\$ 33.00	\$ 5,625.00	\$ 34.00	\$ 5,820.00	\$ 5,820.00	
513.03	TYPE A CURB FOR MANHOLE	LF	755	\$ 17.00	\$ 12,835.00	\$ 16.00	\$ 12,075.00	\$ 17.00	\$ 12,825.00	\$ 18.00	\$ 13,590.00	\$ 19.00	\$ 14,355.00	\$ 20.00	\$ 15,120.00	\$ 21.00	\$ 15,885.00	\$ 22.00	\$ 16,650.00	\$ 23.00	\$ 17,415.00	\$ 24.00	\$ 18,180.00	\$ 25.00	\$ 18,945.00	\$ 26.00	\$ 19,710.00	\$ 19,710.00	
513.04	CONCRETE DRAINAGE APRON	SY	80	\$ 100.00	\$ 8,000.00	\$ 103.00	\$ 8,240.00	\$ 105.00	\$ 8,400.00	\$ 108.00	\$ 8,640.00	\$ 110.00	\$ 8,800.00	\$ 113.00	\$ 9,040.00	\$ 115.00	\$ 9,280.00	\$ 117.00	\$ 9,520.00	\$ 119.00	\$ 9,760.00	\$ 120.00	\$ 9,600.00	\$ 122.00	\$ 9,760.00	\$ 124.00	\$ 9,920.00	\$ 9,920.00	
522.01	CONSTRUCTION SURVEYING	LS	1	\$ 70,000.00	\$ 70,000.00	\$ 87,000.00	\$ 87,000.00	\$ 30,000.00	\$ 30,000.00	\$ 85,000.00	\$ 85,000.00	\$ 30,000.00	\$ 30,000.00	\$ 35,000.00	\$ 35,000.00	\$ 30,000.00	\$ 30,000.00	\$ 31,000.00	\$ 31,000.00	\$ 22,000.00	\$ 22,000.00	\$ 24,000.00	\$ 24,000.00	\$ 18,000.00	\$ 18,000.00	\$ 24,000.00	\$ 24,000.00		
523.01	RELOCATE TRAFFIC SIGNAL CONDUIT AND CONDUITORS	LF	1	\$ 8,500.00	\$ 8,500.00	\$ 23,500.00	\$ 23,500.00	\$ 16,000.00	\$ 16,000.00	\$ 20,000.00	\$ 20,000.00	\$ 18,000.00	\$ 18,000.00	\$ 21,420.00	\$ 21,420.00	\$ 21,098.57	\$ 21,098.57	\$ 21,800.00	\$ 21,800.00	\$ 19,000.00	\$ 19,000.00	\$ 19,000.00	\$ 19,000.00	\$ 21,410.00	\$ 21,410.00	\$ 18,000.00	\$ 18,000.00		
523.02	RELOCATE TRAFFIC SIGNAL CONDUITS FOR FUTURE SIGNAL	LF	1	\$ 3,500.00	\$ 3,500.00	\$ 18,000.00	\$ 18,000.00	\$ 11,000.00	\$ 11,000.00	\$ 11,000.00	\$ 11,000.00	\$ 11,000.00	\$ 11,000.00	\$ 11,000.00	\$ 11,000.00	\$ 13,056.00	\$ 13,056.00	\$ 11,411.63	\$ 11,411.63	\$ 12,200.00	\$ 12,200.00	\$ 12,000.00	\$ 12,000.00	\$ 11,580.13	\$ 11,580.13	\$ 11,000.00	\$ 11,000.00		
523.03	INSTALL NO. 7 PULL BOX FOR FUTURE SIGNAL	LF	1	\$ 1,500.00	\$ 1,500.00	\$ 2,050.00	\$ 2,050.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,278.00	\$ 2,278.00	\$ 4,887.55	\$ 4,887.55	\$ 4,687.55	\$ 4,687.55	\$ 4,600.00	\$ 4,600.00	\$ 2,000.00	\$ 2,000.00	\$ 4,959.72	\$ 4,959.72	\$ 2,000.00	\$ 2,000.00	
534.01	TRAFFIC CONTROL AND MAINTENANCE	LF	1	\$ 75,000.00	\$ 75,000.00	\$ 87,700.00	\$ 87,700.00	\$ 107,000.00	\$ 107,000.00	\$ 84,000.00	\$ 84,000.00	\$ 64,000.00	\$ 64,000.00	\$ 200,000.00	\$ 200,000.00	\$ 69,596.00	\$ 69,596.00	\$ 99,183.87	\$ 99,183.87	\$ 119,000.00	\$ 119,000.00	\$ 122,000.00	\$ 122,000.00	\$ 67,098.75	\$ 67,098.75	\$ 183,000.00	\$ 183,000.00		
538.01	TYPE 2 FILM FOR CROSSWALKS AND STOP PASSES	LF	660	\$ 12.00	\$ 7,920.00	\$ 13.50	\$ 8,910.00	\$ 14.00	\$ 9,240.00	\$ 14.00	\$ 9,240.00	\$ 15.00	\$ 9,900.00	\$ 16.00	\$ 10,560.00	\$ 14.33	\$ 9,566.40	\$ 15.00	\$ 9,900.00	\$ 16.00	\$ 10,560.00	\$ 17.00	\$ 11,220.00	\$ 18.00	\$ 11,880.00	\$ 19.00	\$ 12,540.00	\$ 12,540.00	
538.02	BUNCH EDGE LINE (WHITE PAINT)	LF	3,134	\$ 4.00	\$ 12,536.00	\$ 5.50	\$ 17,237.00	\$ 6.00	\$ 18,804.00	\$ 6.50	\$ 20,371.00	\$ 7.00	\$ 21,938.00	\$ 7.50	\$ 23,505.00	\$ 9													

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM**

SUBJECT: VANDENBERG NORTH DETENTION BASIN & OUTFALL
PETITIONER: DALE DAFFERN, P.E., DIRECTOR OF PUBLIC WORKS CITY OF NORTH LAS VEGAS
RECOMMENDATION OF PETITIONER: THAT THE REGIONAL FLOOD CONTROL DISTRICT APPROVE THE SIXTH SUPPLEMENTAL INTERLOCAL CONTRACT FOR DESIGN TO INCREASE FUNDING FOR VANDENBERG NORTH DETENTION BASIN & OUTFALL – NLV09E11 (FOR POSSIBLE ACTION)

FISCAL IMPACT:

	Current	Fiscal Impact	Proposed
Pre-design	\$ 123,326.23	\$ 0.00	\$ 123,326.23
Design Engineering	\$ 1,095,000.00	\$ 125,000.00	\$ 1,220,000.00
Environmental Mitigation	\$ 5,000.00	\$ 0.00	\$ 5,000.00
Right-of-Way	\$ 44,673.77	\$ 20,000.00	\$ 64,673.77
Total	\$ 1,268,000.00	\$ 145,000.00	\$ 1,413,000.00

BACKGROUND:

The District entered into an interlocal contract with the City of North Las Vegas dated April 14, 2011, a First Supplemental Interlocal Contract was approved on May 16, 2013, a Second Supplemental Interlocal Contract was approved on March 13, 2014, a Third Supplemental Interlocal Contract was approved on March 10, 2016, a Fourth Supplemental Interlocal Contract was approved on May 19, 2016, and a Fifth Supplemental Interlocal Contract was approved on June 14, 2018. The approved interlocal contracts provide funding for pre-design, design engineering, right-of-way and environmental mitigation for the subject project.

This Sixth Supplemental Interlocal Contract will increase funding for design engineering and right of way for additional design services to phase the project and for additional right of way costs.

Respectfully submitted,



Dale Daffern, P.E.
Director of Public Works
City of North Las Vegas

TAC AGENDA ITEM # 13a Date: 11/29/18	RFCD AGENDA ITEM # Date: 12/13/18
CAC AGENDA ITEM # 13a Date: 12/03/18	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 11/19/18

**VANDENBERG NORTH DETENTION BASIN AND OUTFALL
SIXTH SUPPLEMENTAL INTERLOCAL CONTRACT – NLV09E11**

The City of North Las Vegas has submitted a request to approve a sixth supplemental interlocal contract for pre-design, design engineering, right-of-way and environmental mitigation to increase funding in the amount of \$145,000.00 for the Vandenberg North Detention Basin and Outfall project.

Additional funding is needed for design engineering and right-of-way to phase the project and for additional right-of-way costs. District funding will be provided as follows:

	Current Funding	Increase/Decrease	Proposed Funding
Pre-Design	\$ 123,326.23	\$ 0.00	\$ 123,326.23
Design Engineering	\$1,095,000.00	\$125,000.00	\$1,220,000.00
Right-of-Way	\$ 44,673.77	\$ 20,000.00	\$ 64,673.77
Environmental Mitigation	\$ 5,000.00	\$ 0.00	\$ 5,000.00
Total ILC Value	\$1,268,000.00	\$145,000.00	\$1,413,000.00

The District Attorney has reviewed the contract.

Staff Recommendation:

Approve subject to approval of the Ten-Year Construction Program Amendment item on this agenda.

Discussion by Technical Advisory Committee:

AGENDA
#13a Date: 11/29/18

Recommendation:

Discussion by Citizens Advisory Committee:

AGENDA
#13a Date: 12/03/18

Recommendation:

SIXTH SUPPLEMENTAL INTERLOCAL CONTRACT
VANDENBERG NORTH DETENTION BASIN & OUTFALL

THIS SIXTH SUPPLEMENTAL INTERLOCAL CONTRACT made and entered into as of the ____ day of _____, 2018 by and between the Clark County Regional Flood Control District, hereinafter referred to as "DISTRICT", and the City of North Las Vegas hereinafter referred to as ("CITY").

W I T N E S S E T H

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve a project to design and construct flood control improvements, and;

WHEREAS, the flood control improvements proposed herein are the same as those generally identified in the Master Plan No. 2013 Flood Control Master Plan Update, as Structure No.s RWWE 0352, 0397, 0406, 0407, 0409, 0422, 0428, 0430 and 0439, hereinafter referred to as "PROJECT"; and

WHEREAS, the PROJECT is identified and shown on the attached Exhibit "A"; and

WHEREAS, the PROJECT has been approved by the DISTRICT on its Ten Year Construction Program; and

WHEREAS, it is necessary to increase funding for design engineering and right of way for the PROJECT; and

WHEREAS, the PROJECT has regional flood control significance and is located in the same hydrographic area as the Las Vegas Valley; and

WHEREAS, the DISTRICT approved the Interlocal Contract on April 14, 2011, the First Supplemental Interlocal Contract dated May 16, 2013, the Second Supplemental Interlocal Contract dated March 13, 2014, the Third Supplemental Interlocal Contract dated March 10, 2016, the Fourth Supplemental Interlocal Contract dated May 19, 2016, and the Fifth Supplemental Interlocal Contract dated June 14, 2018 for the PROJECT.

NOW, THEREFORE, in consideration of the covenants, conditions, contracts, and promises of the parties hereto, the DISTRICT and the CITY agree to the following:

SECTION II - PROJECT COSTS, shall be changed to read as follows:

The DISTRICT agrees to fund project costs within the limits specified below:

1. The Pre-Design engineering shall not exceed \$123,326.23.
2. The Design Engineering shall not exceed \$1,220,000.00.

3. Preparation of right-of-way drawings, descriptions, appraisals, and secure the necessary right-of-way at a cost not to exceed \$64,673.77.
4. Environmental Mitigation in an amount not to exceed \$5,000.00.
5. The total cost of this Contract shall not exceed \$1,413,000.00 which includes all the items described in the paragraphs above.
6. If at any time during the term of this Contract the entity determines that a portion of the funds provided pursuant to this Contract will not be needed for the project, then the entity will notify the District in writing of the amount of funds that are not anticipated to be used for the project. Upon receipt of said notification the District's obligation to pay the maximum amount set forth herein will automatically be reduced by the amount specified in the notification.
7. A written request must be made to the DISTRICT and approved by the Board to reallocate funds between phases of the project. No other approval by the Lead Entity is required.
8. A written request must be made to the DISTRICT and a Supplemental Interlocal Contract approved by the Board to increase the total cost of the contract noted above prior to payment of any additional funds.

The remainder of the original Interlocal Contract dated April 14, 2011, First Supplemental Interlocal Contract dated May 16, 2013, Second Supplemental Interlocal Contract dated March 13, 2014, Third Supplemental Interlocal Contract dated March 10, 2016, the Fourth Supplemental Interlocal Contract dated May 19, 2016, and the Fifth Supplemental Interlocal Contract dated June 14, 2018 shall remain unchanged.

///

///

///

///

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

Date of District Action: REGIONAL FLOOD CONTROL DISTRICT

BY: _____
LAWRENCE L. BROWN, III
Chairman

ATTEST:

SHERRY ALLEN
Secretary to the Board

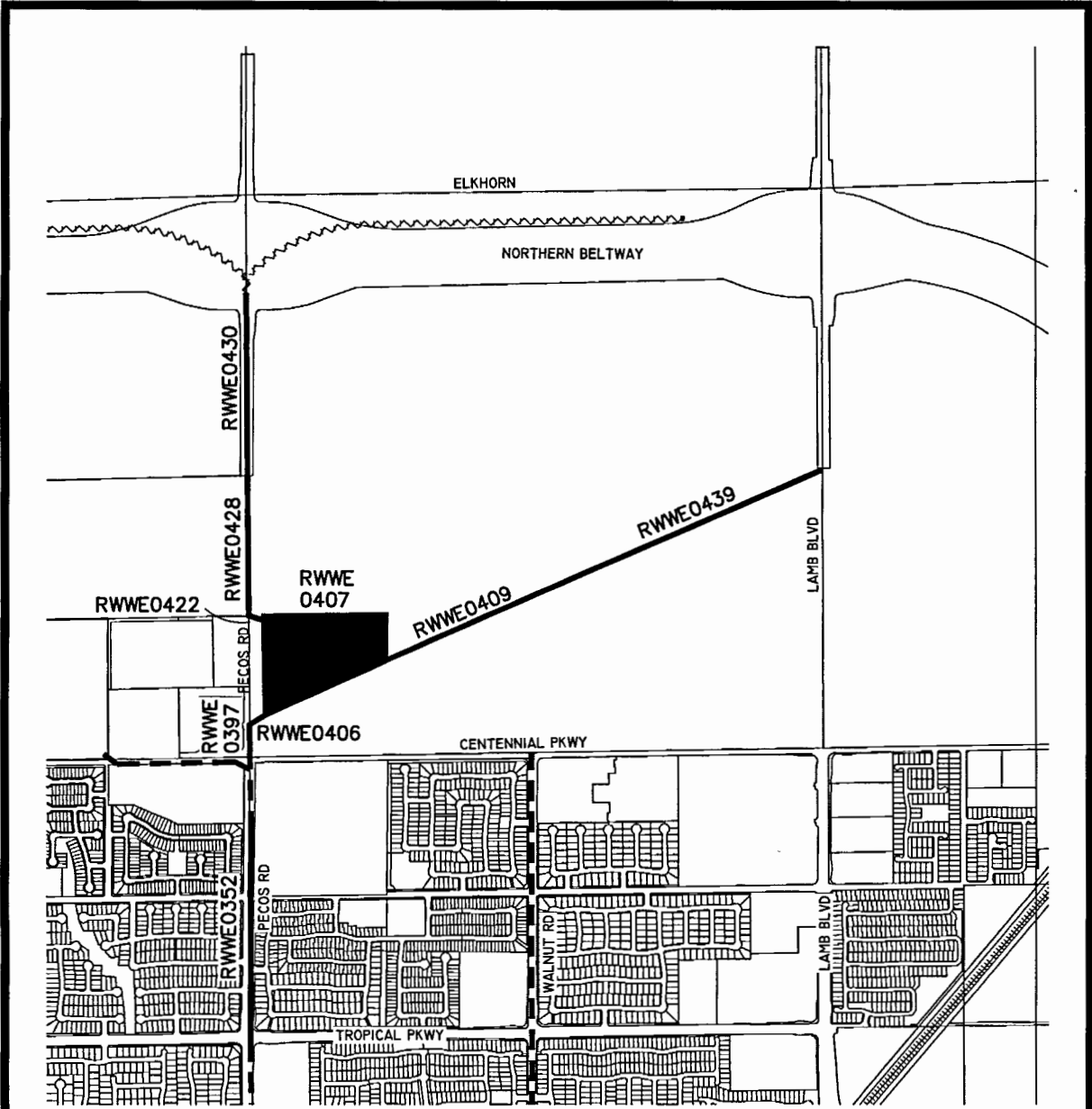
Approved as to Form:

BY: _____
CHRISTOPHER FIGGINS
Chief Deputy District Attorney

Date of Council Action: CITY OF NORTH LAS VEGAS

ATTEST: BY _____
JOHN J. LEE
Mayor

CATHERINE A. RAYNOR, MMC
City Clerk



- LEGEND**
- PROPOSED FACILITY
 - - - EXISTING FACILITY
 - ||||| FUTURE FACILITY

EXHIBIT 'A'



**DEPARTMENT OF PUBLIC WORKS
ENGINEERING AND CONSTRUCTION SERVICES DIVISION**

**VANDBERG NORTH
DETENTION BASIN & OUTFALL
NLV09E11**

SCALE:	N.T.S.
DRAWING NAME:	10227-VIC.dwg
DRAWN BY:	T. Cochran
DATE:	November 15, 2018
SHEET NUMBER	1 OF 1

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT: FREEWAY CHANNEL – WASHINGTON, MLK TO RANCHO DRIVE
PETITIONER: MIKE JANSSEN, DIRECTOR CITY OF LAS VEGAS PUBLIC WORKS
RECOMMENDATION OF PETITIONER: IT IS RECOMMENDED THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT APPROVE THIS FIFTH SUPPLEMENTAL INTERLOCAL CONTRACT TO INCREASE PROJECT FUNDING FOR FREEWAY CHANNEL – WASHINGTON, MLK TO RANCHO DRIVE – LAS14D14 (FOR POSSIBLE ACTION)

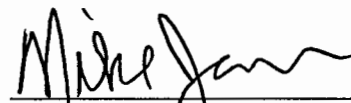
FISCAL IMPACT:

	Current Funding	Increase/Decrease	Proposed Funding
Construction Management	\$ 905,000	\$50,000	\$955,000
Construction	\$10,500,343	\$ 0	\$10,500,343
Total ILC Value	\$11,405,343	\$50,000	\$11,455,343

BACKGROUND:

On February 13, 2014, the District approved an Interlocal Contract for Construction and Construction Management associated with the Freeway Channel – Washington, MLK to Rancho Drive project. On August 13, 2015, a First Supplemental Interlocal Contract was approved to increase funding. On January 14, 2016, a Second Supplemental Interlocal Contract was approved to extend the project completion date. On February 9, 2017, a Third Supplemental Interlocal Contract was approved to increase project funding and extend the project completion date. On April 12, 2018, a Fourth Supplemental Interlocal Contract was approved to extend the project completion date. This Fifth Supplemental Interlocal Contract will increase funding to cover the cost of the external construction management and internal labor.

Respectfully submitted,



 Mike Janssen, Director
 Department of Public Works

TAC AGENDA ITEM # 13b Date: 11/29/2018	RFCD AGENDA ITEM # Date: 12/13/2018
CAC AGENDA ITEM # 13b Date: 12/03/2018	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 11/19/18

**FREEWAY CHANNEL – WASHINGTON, MLK TO RANCHO DRIVE
FIFTH SUPPLEMENTAL INTERLOCAL CONTRACT – LAS14D14**

The City of Las Vegas has submitted a request to approve a fifth supplemental interlocal contract for construction and construction engineering to increase funding in the amount of \$50,000 for the Freeway Channel – Washington, MLK to Rancho Drive project.

Additional funding is needed to cover the cost of external construction management and internal labor. District funding will be provided as follows:

	Current Funding	Increase/Decrease	Proposed Funding
Construction	\$10,500,343	\$ 0	\$10,500,343
Construction Engineering	\$ 905,000	\$50,000	\$ 955,000
Total ILC Value	\$11,405,343	\$50,000	\$11,455,343

The District Attorney has reviewed the contract.

Staff Recommendation:

Approve subject to approval of the Ten-Year Construction Program Amendment item on this agenda.

Discussion by Technical Advisory Committee:

AGENDA
#13b Date: 11/29/18

Recommendation:

Discussion by Citizens Advisory Committee:

AGENDA
#13b Date: 12/03/18

Recommendation:

**FIFTH SUPPLEMENTAL INTERLOCAL CONTRACT
FREEWAY CHANNEL – WASHINGTON, MLK TO RANCHO DRIVE**

THIS FIFTH SUPPLEMENTAL INTERLOCAL CONTRACT made and entered into as of the ____ day of _____, 2018 by and between the Clark County Regional Flood Control District, hereinafter referred to as “DISTRICT”, and the City of Las Vegas hereinafter referred to as “CITY”.

WITNESSETH

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve a project to design and construct flood control improvements, and;

WHEREAS, the flood control improvements proposed herein are the same as those generally identified in the 2013 Master Plan Update as Facility Numbers LV15 0424, LV15 0472 and LV15 0474, hereinafter referred to as “PROJECT”; and

WHEREAS, the PROJECT is identified and shown on the attached Exhibit “A”; and

WHEREAS, the PROJECT has been approved by the DISTRICT on its Ten Year Construction Program; and

WHEREAS, the PROJECT has regional flood control significance and is located in the same hydrographic area as the Las Vegas Valley.

WHEREAS, the Interlocal Contract dated February 13, 2014, First Supplemental Interlocal Contract dated August 13, 2015, Second Supplemental Interlocal Contract dated January 14, 2016, Third Supplemental Interlocal Contract dated February 9, 2017 and a Fourth Supplemental Interlocal Contract dated April 12, 2018 were entered into between the DISTRICT and the CITY; and,

WHEREAS, the City desires to increase project funding.

NOW, THEREFORE, in consideration of the covenants, conditions, contracts, and promises of the parties hereto, the DISTRICT and the CITY agree to the following:

SECTION II - PROJECTS COSTS shall be revised to read as follows:

The DISTRICT agrees to fund project costs within the limits specified below:

1. Construction Management not exceed \$955,000.

2. Construction at a cost not to exceed \$10,500,343.
3. The total cost of this Contract shall not exceed \$11,455,343 which includes all the items described in the paragraphs above.
4. If at any time during the term of this Contract the entity determines that a portion of the funds provided pursuant to this Contract will not be needed for the project, then the entity will notify the District in writing of the amount of funds that are not anticipated to be used for the project. Upon receipt of said notification the District's obligation to pay the maximum amount set forth herein will automatically be reduced by the amount specified in the notification.
5. A written request must be made to the DISTRICT and approved by the Board to reallocate funds between phases of the project. No other approval by the Lead Entity is required.
6. A written request must be made to the DISTRICT and a Supplemental Interlocal Contract approved by the Board to increase the total cost of the contract noted above prior to payment of any additional funds.

///

///

///

///

///

///

The remainder of the original Interlocal Contract dated February 13, 2014 and Supplemental Interlocal Contracts dated August 13, 2015, January 14, 2016, February 9, 2017 and April 12, 2018 shall remain unchanged.

IN WITNESS WHEREOF, the Parties have caused this Fifth Supplemental Interlocal Contract to be executed by their duly authorized representatives the day and year first above written.

Date of Council Action

City of Las Vegas

By: _____
Carolyn G. Goodman, Mayor

Attest

By: _____
LuAnn Holmes, MMC
City Clerk

Approved as to Form

By: _____
Deputy City Attorney Date

Date of District Action

Regional Flood Control District

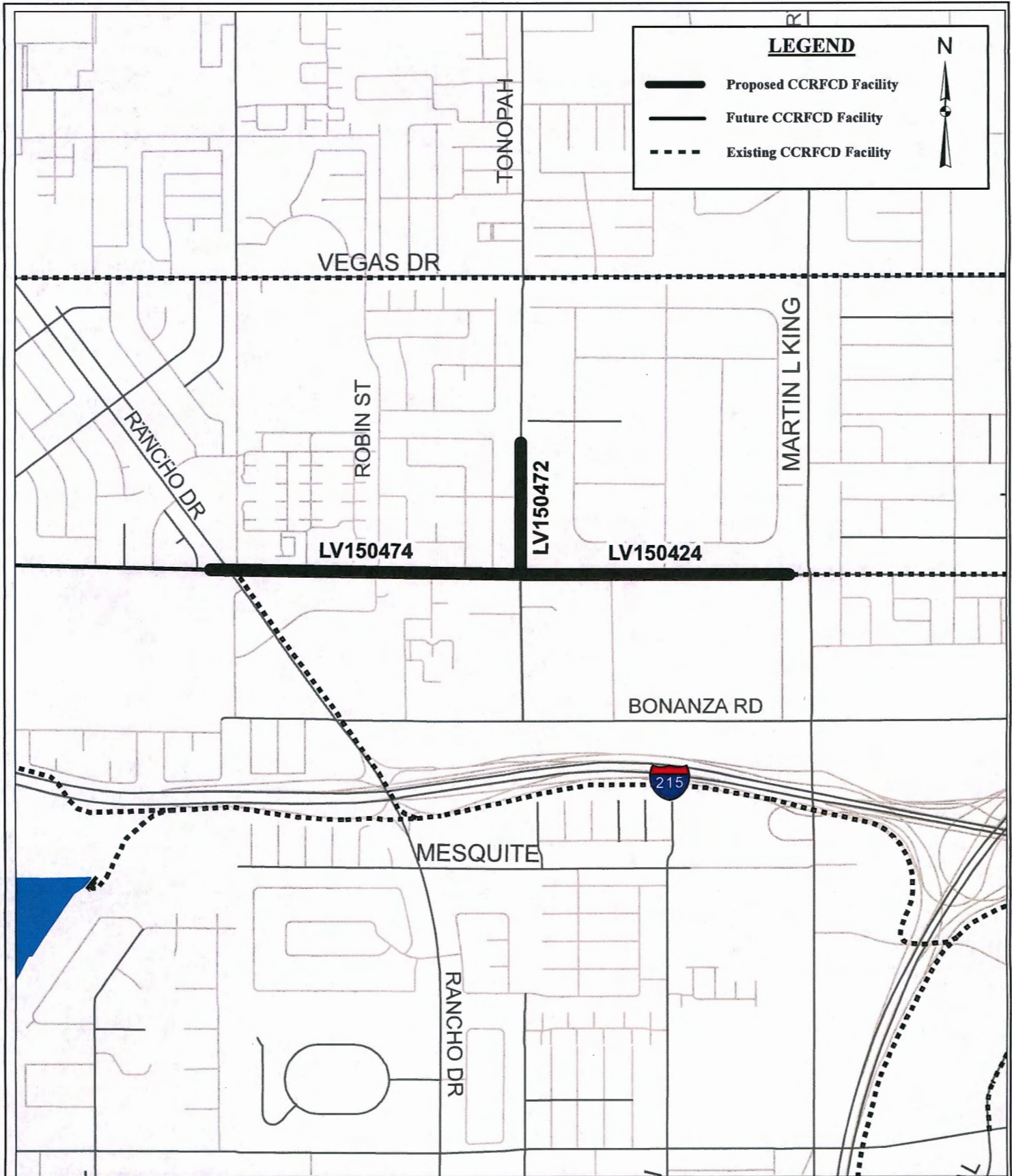
By: _____
LAWRENCE L. BROWN, III,
Chairman

Attest




By: _____
Sherry Allen
Secretary to the Board


Approved as to Form

By: _____
Christopher Figgins Date
Chief Deputy District Attorney



LEGEND

 Proposed CCRFCD Facility
 Future CCRFCD Facility
 Existing CCRFCD Facility

N




**EXHIBIT A
 FREEWAY CHANNEL -
 WASHINGTON, MLK TO RANCHO DRIVE
 (LAS14D14)**

SCALE: 1:14,000
DRAWING NAME:
 FreewayChannel_WashMLKtoRancho.mxd
DRAWN BY: C. JONES
DATE: 03/12/2018
SHEET NUMBER 1 OF 1

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

VANDENBERG NORTH DETENTION BASIN, COLLECTION & OUTFALL – PHASE I

PETITIONER:

DENIS CEDERBURG, DIRECTOR OF PUBLIC WORKS

RECOMMENDATION OF PETITIONER:

THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT ACCEPT THE PROJECT PRESENTATION ON THE PROPOSED VANDENBERG NORTH DETENTION BASIN, COLLECTION & OUTFALL, PHASE I - CLA28D18 (FOR POSSIBLE ACTION)

FISCAL IMPACT: None by this action.

BACKGROUND:

The Vandenberg North Detention Basin, Collection & Outfall – Phase I is described in the 2013 Master Plan Update as Facility Number RWWE 0430. It is further identified in the Regional Flood Control District's Ten-Year Construction Program with construction scheduled to begin in FY 2019-2020. The proposed improvements include construction of an 18' x 8' RCB extending approximately 1,275-lf south in Pecos Road, from just south of the CC215/Pecos Road interchange.

Design drawings and specifications are 90 percent complete, right-of-way has been obtained, and all necessary permits for this project have been acquired.

Representatives from Clark County Public Works will be available to respond to any questions following the brief presentation.

Respectfully submitted,



DENIS CEDERBURG
Director of Public Works

For

TAC AGENDA ITEM # 14a Date: 11.29.18	RFCD AGENDA ITEM # Date: 12.13.18
CAC AGENDA ITEM # 14a Date: 12.03.18	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 11/19/18

**VANDENBERG NORTH DETENTION BASIN, COLLECTION & OUTFALL – PHASE I
PROJECT PRESENTATION – CLA28D18**

The Vandenberg North Detention Basin, Collection & Outfall – Phase I is described in the 2013 Master Plan Update as Facility Number RWWE 0430. It is further identified in the Regional Flood Control District's Ten-Year Construction Program with construction scheduled to begin in FY 2019-2020. The proposed improvements include construction of an 18' x 8' RCB extending approximately 1,275-lf south in Pecos Road, from just south of the CC215/Pecos Road interchange.

Design drawings and specifications are 90 percent complete, right-of-way has been obtained, and all necessary permits for this project have been acquired.

Representatives from Clark County Public Works will be available to respond to any questions following the brief presentation.

Staff Recommendation:

Accept the project presentation.

Discussion by Technical Advisory Committee:

AGENDA
#14a Date: 11/29/18

Recommendation:

Discussion by Citizens Advisory Committee:

AGENDA
#14a Date: 12/03/18

Recommendation:



Department of Public Works

500 S Grand Central Pky • Box 554000 • Las Vegas NV 89155-4000
(702) 455-6000 • Fax (702) 455-6040

Denis Cederburg, P.E., Director • E-Mail: dlc@ClarkCountyNV.gov

November 20, 2018

Steven C. Parrish, P.E., General Manager/Chief Engineer
Clark County Regional Flood Control District
600 South Grand Central Parkway, Suite 300
Las Vegas Nevada 89106

VANDENBERG NORTH DETENTION BASIN, COLLECTION & OUTFALL- PHASE I

Dear Mr. Parrish:

The design plans and specifications prepared by Atkins North America, Inc. for the above referenced project, indicated on "Exhibit A", are now 90% complete. The County is pleased to present this project to the Technical Advisory Committee, Citizens Advisory Committee, and the District's Board for approval.

The following project information is being submitted to comply with NRS 543.580.

Project History and Description: The project includes construction of the Vandenberg North Detention Basin, Collection & Outfall – Phase I, located along Pecos Road, just south of the CC215/Pecos Road interchange ramps and extending approximately 1,275-lf to the south. The purpose of this project will be to collect the 100-year flows of 2,852 cfs and convey them through an 18' x 8' RCB to the future Vandenberg North Detention Basin and Outfall Project Phase II. Phase I of the project will be temporarily capped until Phase II is fully constructed.

This project was initially designed as a single-phase construction project by the City of North Las Vegas. However, Clark County has begun construction of the Northern CC215 Beltway from North 5th Street to UPRR and Pecos Road improvements being constructed with the beltway will overlap with conveyance system improvements intended to drain into the detention basin. Considering the County's ongoing work, the Vandenberg Project is to be phased, with Phase I being constructed by Clark County. The coordination of these two projects and construction of Phase I of the Vandenberg project by Clark County will eliminate the need to remove and replace the improvements to Pecos Road at a later date, and will decrease construction impacts to the traveling public and the Veterans Affairs (VA) Hospital, which accesses Pecos Road within the project limits.

Design and Environmental considerations continue to be managed by the City of North Las Vegas.

BOARD OF COUNTY COMMISSIONERS
STEVE SISOLAK, Chairman • CHRIS GIUNCHIGLIANI, Vice Chair
SUSAN BRAGER • LARRY BROWN • JAMES B. GIBSON • MARILYN KIRKPATRICK • LAWRENCE WEEKLY
YOLANDA T. KING, County Manager

- **Project Cost:** A detailed cost estimate for construction is attached as Exhibit "B". Project costs are estimated to be:

Pre-Design	\$	123,326.23
Design Engineering	\$	1,220,000.00
Right-of-Way	\$	64,673.77
Environmental Mitigation	\$	5,000.00
Construction	\$	3,391,000.00
Construction Management	\$	374,000.00
TOTAL	\$	\$5,178,000.00

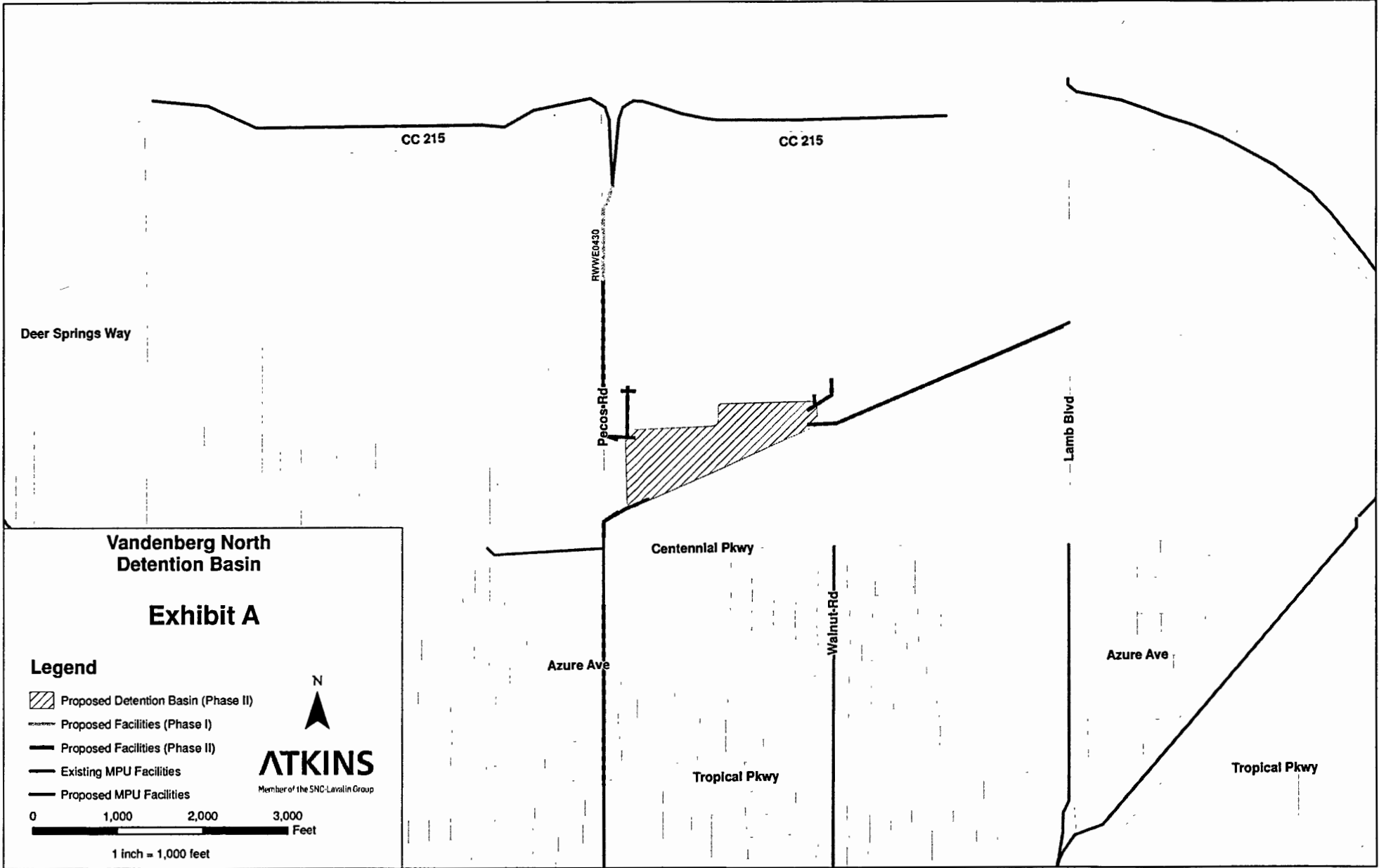
- **Outside Funding Sources:** Clark County Regional Flood Control District (CCRFCD) is the sole funding agency for this project since the project entails construction of a segment of flood control conveyance facility that is part of the Master Plan Update (MPU).
- **Projected Construction Schedule:** If funding were made available today, listed below are the estimated dates for construction of the project, depending also on the Northern Beltway construction:

Request for Proposal	November 2018
Construction Start Date	February 2019
Project Duration	Eight months

- **Right-of-Way:** The necessary rights-of-way have been obtained.
- **Cash Flow Projection:** Attached is a cash flow projection for construction, Exhibit "C".
- **Economic Benefit:** This project proposes to construct a portion of the CCRFCD MPU network. In September of 2005, CCRFCD received the document titled "Benefit to Cost Analysis of Capital Programs" prepared by Hobbs, Ong & Associates, Inc., Restrepo Consulting Group/Applied Market Analysis, Post, Buckley, Schuh & Jernigan, Inc. and Public Financial Management, Inc.

The report concludes, "the quantifiable public benefits associated with flood control projects, when compared to costs, show that flood control projects have provided a return of \$2.21 for each dollar expended. When those benefits that are not readily quantifiable are taken into consideration, the contribution that these facilities provide to the welfare of Clark County's residents and the vitality of the local economy increases beyond the calculated ratio. It is expected that the benefit to cost ratio of the District construction program will remain at a level that approximates 2 to 1 through buildout of the Master Plan and over the useful life of the facilities."

- **Environmental Requirements:** The City of North Las Vegas has met all the necessary environmental requirements for this project. A Chapter 8 Resource Screening Analysis was



ITEM NO.	ITEM DESCRIPTION	Quantity	Unit	Unit Price	Extended Price
109.03	CONSTRUCTION CONFLICTS AND ADDITIONAL WORK	1	LS	\$ 170,000.00	\$ 170,000.00
302.01	TYPE II AGGREGATE BASE FOR ROADWAY	350	CY	\$ 45.00	\$ 15,750.00
402.01	5-INCH PLANTMIX BITUMINOUS SURFACE	901	SY	\$ 40.00	\$ 36,040.00
413.01	UTACS BONDED WITH A PMM, S3 GRADATION	901	SY	\$ 20.00	\$ 18,020.00
502.01	18-FT X 8-FT REINFORCED CONCRETE BOX	1,175	LF	\$ 2,400.00	\$ 2,820,000.00
502.02	CONCRETE RCB CAP	2	EA	\$ 4,000.00	\$ 8,000.00
609.01	48-INCH RCB ACCESS MANHOLE	3	EA	\$ 3,500.00	\$ 10,500.00
609.02	CONNECT EXISTING DROP INLET LATERAL TO RCB	2	EA	\$ 1,500.00	\$ 3,000.00
613.01	MEDIAN ISLAND A-CURB WITH EARTHEN INFILL	680	LF	\$ 20.00	\$ 13,600.00
624.01	TRAFFIC CONTROL	1	LS	\$ 32,000.00	\$ 32,000.00
628.01	MOBILIZATION	1	LS	\$ 239,000.00	\$ 239,000.00
637.01	DUST CONTROL	90	DAY	\$ 150.00	\$ 13,500.00
637.02	STORMWATER POLLUTION CONTROL	90	DAY	\$ 100.00	\$ 9,000.00
637.03	NPDES DISCHARGE PERMIT	1	LS	\$ 2,000.00	\$ 2,000.00

TOTAL \$ 3,390,410.00

Clark County Regional Flood Control District Cash Flow Projection

Today's Date: 10/24/2018

Project Number: CLA28D18
VANDENBERG NORTH DETENTION BASIN,

Project Name: **COLLECTION & OUTFALL – PHASE I**

Project Type: Basin

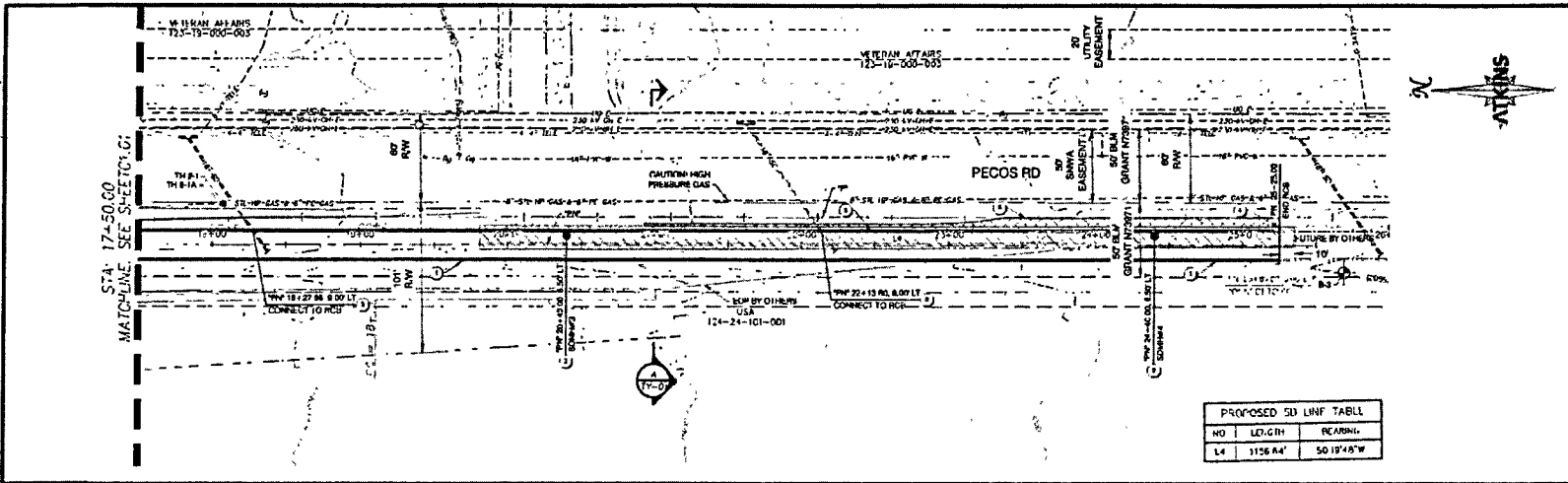
ILC Amount: \$ 3,765,000

Construction Schedule

Milestone	Estimate	Revised	Actual
Request Proposal	November-18		
CONS Start	February-19		
CONS Complete	September-19		
Project Duration	8 months		

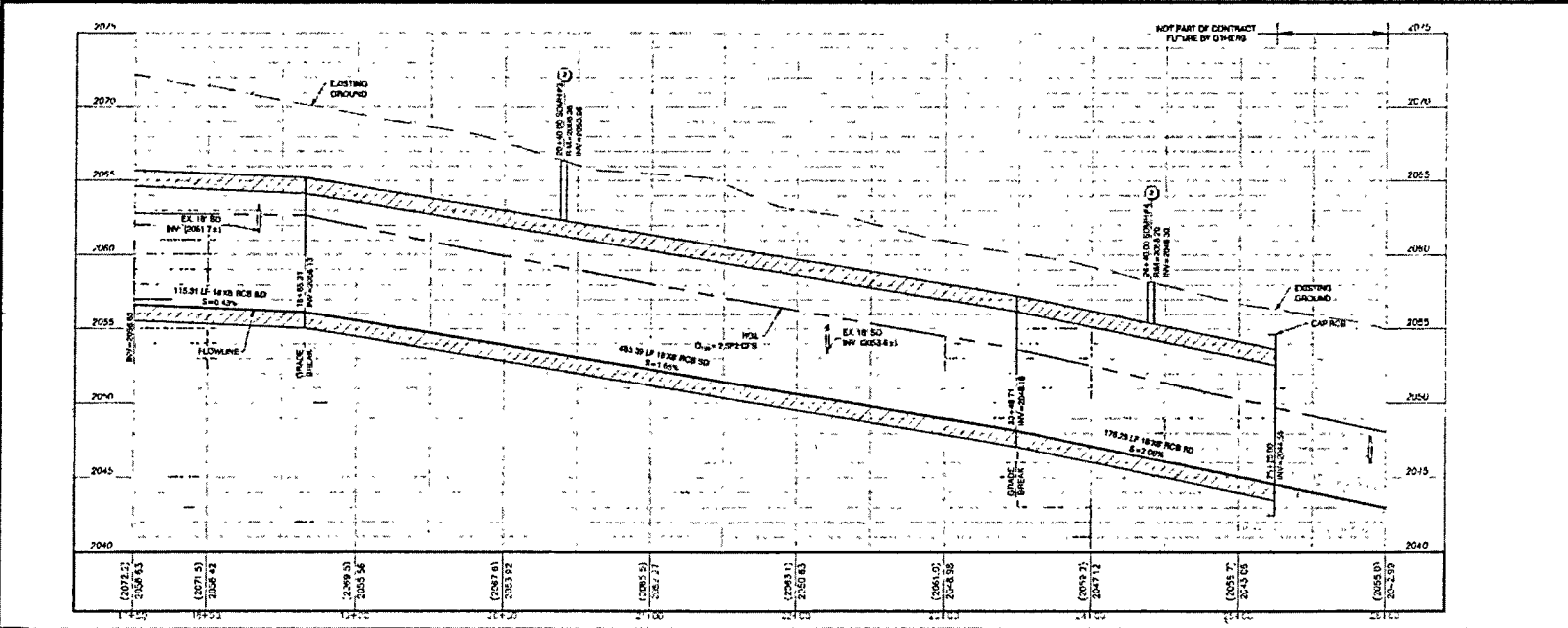
Billing Month	Original Estimate		Actual Drawdowns		Variance		Revised Estimate	
	\$	%	\$	%	\$	%	\$	%
Nov-18	0							
Dec-18	0							
Jan-19	0							
Feb-19	188,250	5%						
Mar-19	188,250	5%						
Apr-19	188,250	5%						
May-19	188,250	5%						
Jun-19	564,750	15%						
Jul-19	941,250	25%						
Aug-19	941,250	25%						
Sep-19	564,750	15%						
Oct-19	0							
Nov-19	0							
Dec-19	0							
Jan-20	0							
Feb-20	0							
Mar-20	0							
Apr-20	0							
Total	\$ 3,765,000	100%					\$ -	0%

VANDENBERG NORTH DETENTION BASIN & OUTFALL PROJECT - PHASE I
PRELIMINARY - NOT FOR CONSTRUCTION



- CONSTRUCTION KEY NOTES**
- INSTALL 18" RCP PER TYPICAL DETAIL 1 ON SHEET C1-01
 - INSTALL RCP ACCESS MANHOLE PER DETAIL 1 ON SHEET C1-01
 - CONNECT TO RCP PER TYPICAL FOR DETAIL 1 ON SHEET C1-01 CONTRACTOR TO BALANCE RCP SLOPES
 - INSTALL CAP PER DETAIL 1 ON SHEET C1-01
 - REMOVE AND REPLACE EXISTING PAVEMENT, SEE DETAIL S-SHEET C1-01
 - REMOVE AND REPLACE EXISTING MEDIAN

CALL SOUTHWEST GAS AT 760-600-1700 48 HOURS IN ADVANCE FOR STANDBY WHEN EXCAVATING OVER OR NEAR HIGH PRESSURE GAS LINES



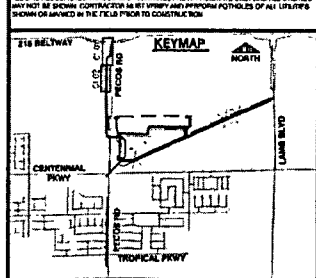
SHVA CONSTRUCTION NOTES:
CONTRACTOR SHALL FIELD LOCATE AND PROTECT ALL EXISTING UTILITIES INCLUDING BUT NOT LIMITED TO POWER, GAS, WATER, AND CABLES. PROTECT ALL UTILITIES BY SHIELDING AND/OR BY CONSTRUCTION METHODS THAT ARE SUITABLE TO THE TYPE OF UTILITY. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES AS NOTED IN THE FIELD. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES AS NOTED IN THE FIELD. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES AS NOTED IN THE FIELD.

GRAPHIC SCALE

811
1-800-227-2600

FAST
1-702-477-5300

1-702-221-2020



REV	DATE	DESCRIPTION	APPROVED

CLARK COUNTY NEVADA

VANDENBERG NORTH DETENTION BASIN & OUTFALL PROJECT - PHASE I

PECOS NORTH - PLAN & PROFILE
"PN" 17+50 TO "PN" 26+00

CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS

ATKINS

DATE OCTOBER, 2018
DESIGNED BY: BIV
DRAWN BY: SMT

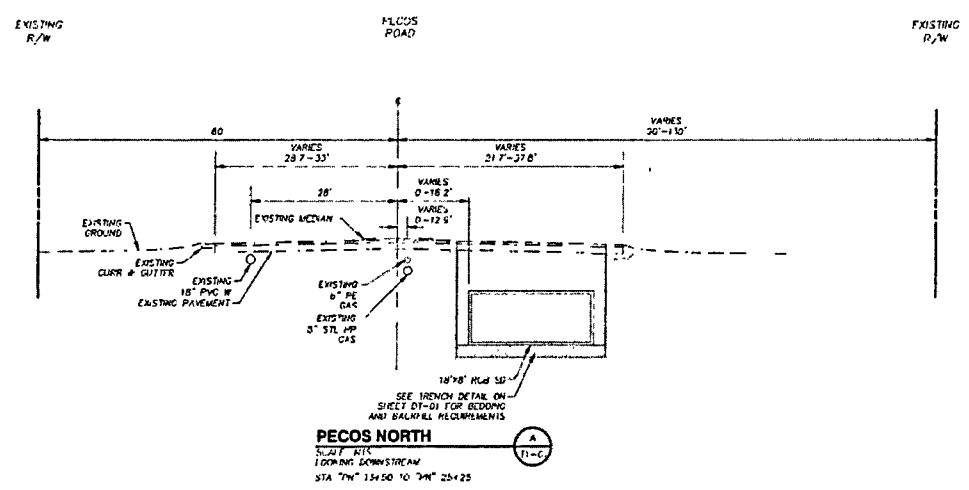
SCALE:
HORIZ 1"=40'
VERT 1"=4'

SHEET No. **C1.02**

FIELD BOOK NONE
REVISIONS NONE
PROJECT No. NONE

10 OF 13
L-XXXX

I:\Projects\1105-PECOS PLAN PROJ and LAYOUT C1-02 Oct 22 2018 - 10:23am

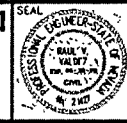


S:\csm\1110\110000.dwg - 360 feet\csm\Sheet\1110.dwg 11/06/2018 4:21 LAYOUT P=27 02:02:2018 - 10:01am

REV NO	DATE	DESCRIPTION	APPROVED



VANDEBERG NORTH DETENTION BASIN & OUTFALL PROJECT - PHASE I
 TYPICAL SECTIONS
 CLARK COUNTY, NEVADA, DEPARTMENT OF PUBLIC WORKS



ATKINS
 2244 Corporate Center
 Suite 2000
 Henderson, Nevada 89002
 Telephone 702.251.2175
 Fax 702.251.2608

CHECKED BY: RYV
 DESIGNED BY: RYV
 DRAWN BY: SHT

DATE: OCTOBER, 2018
 DRAWING: 06-11P.dwg
 JOB NO.: 110656890

SCALE
 HORIZ. N/A
 VERT. N/A

FIELD BOOK: NONE
 MARK GATELY: NONE
 PROJECT No.: NONE

SHEET No.
TY-01
 11 OF 13
 L-0000

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:
VANDENBERG NORTH DETENTION BASIN, COLLECTION & OUTFALL – PHASE I
PETITIONER:
DENIS CEDERBURG, DIRECTOR OF PUBLIC WORKS
RECOMMENDATION OF PETITIONER:
THAT THE REGIONAL FLOOD CONTROL DISTRICT APPROVE AN INTERLOCAL CONTRACT FOR CONSTRUCTION FOR VANDENBERG NORTH DETENTION BASIN, COLLECTION & OUTFALL, PHASE I – CLA28D18 (FOR POSSIBLE ACTION)

FISCAL IMPACT:

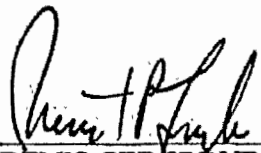
		<u>CURRENT</u>
Construction	\$	374,000.00
Management		
Construction	\$	<u>3,391,000.00</u>
Total ILC Value	\$	3,765,000.00

BACKGROUND:

The Vandenberg North Detention Basin, Collection & Outfall – Phase I is described in the 2013 Master Plan Update as Facility Number RWWE 0430. It is further identified in the Regional Flood Control District’s Ten-Year Construction Program with construction scheduled to begin in FY 2019-2020. The proposed improvements include construction of an 18’ x 8’ RCB extending approximately 1,275-lf south in Pecos Road, from just south of the CC215/Pecos Road interchange.

This project is included in Year 2 of the Ten-Year Construction Program.

Respectfully submitted,


 FOR DENIS CEDERBURG
 Director of Public Works

TAC AGENDA ITEM # 14b Date: 11.29.18	RFCD AGENDA ITEM # Date: 12.13.18
CAC AGENDA ITEM # 14b Date: 12.03.18	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 11/19/18

**VANDENBERG NORTH DETENTION BASIN, COLLECTION & OUTFALL – PHASE I
INTERLOCAL CONTRACT – CLA28D18**

Clark County has submitted a request to approve an interlocal contract in the amount of \$3,765,000 for construction and construction engineering for the Vandenberg North Detention Basin, Collection & Outfall, Phase I project.

The Vandenberg North Detention Basin, Collection & Outfall – Phase 1 is described in the 2013 Master Plan Update as Facility Number RWWE 0430. It is further identified in the Regional Flood Control District’s Ten-Year Construction Program with construction scheduled to begin in FY 2019-2020. The proposed improvements include construction of an 18’ x 8’ RCB extending approximately 1,275-lf south in Pecos Road, from just south of the CC215/Pecos Road interchange.

This project is included in Year 2 of the Ten-Year Construction Program. With the total project construction cost of \$3.4 million, approximately 40 jobs will be created or sustained with this project. District funding will be provided as follows:

Construction	\$3,391,000
Construction Engineering	\$ 374,000
Total ILC Value	\$3,765,000

This project is included in Year 2 of the Ten-Year Construction Program. The District Attorney has reviewed the contract.

Staff Recommendation:

Approve subject to approval of the Ten-Year Construction Program Amendment item on this agenda.

Discussion by Technical Advisory Committee:

AGENDA
#14b Date: 11/29/18

Recommendation:

Discussion by Citizens Advisory Committee:

AGENDA
#14b Date: 12/03/18

Recommendation:

**INTERLOCAL CONTRACT FOR
VANDENBERG NORTH DETENTION BASIN, COLLECTION & OUTFALL, PHASE I**

THIS INTERLOCAL CONTRACT, made and entered into this ____ day of _____, 2018, by and between the Clark County Regional Flood Control District, hereinafter referred to as "DISTRICT", and the County of Clark, hereinafter referred to as "COUNTY".

WITNESSETH

WHEREAS, pursuant to Chapter 543 of the Nevada Revised Statutes, the DISTRICT may approve a project to design and construct flood control improvements; and

WHEREAS, the flood control improvements proposed herein are generally described in the 2013 Clark County Flood Control Master Plan Update, Structures Nos., RWWE 0430, hereinafter referred to as "PROJECT"; and

WHEREAS, the PROJECT is identified and shown on the attached Exhibit "A"; and,

WHEREAS, the PROJECT has been approved by the DISTRICT on its annual Ten Year Construction Program; and

WHEREAS, it is desirable to proceed with the construction of the PROJECT; and

WHEREAS, the PROJECT has regional flood control significance and is located in the same hydrographic area as the Las Vegas Valley.

NOW, THEREFORE, in consideration of the covenants, conditions, contracts, and promises of the parties hereto, the DISTRICT and the COUNTY agree to the following:

SECTION I - SCOPE OF PROJECT

This Interlocal Contract applies to construction and construction engineering of improvements associated with the Vandenberg North Detention Basin, Collection & Outfall, Phase I project. The basic improvements shall consist of flood water facilities including pipes, channels, dikes, energy dissipators, channel structures, channel access, and other appurtenances as may be necessary to control floodwaters. The improvements shall be funded through DISTRICT funds as herein described. The Project is further identified and shown on the attached Exhibit "A."

SECTION II - PROJECT COSTS

The DISTRICT agrees to fund Project costs within the limits specified below:

1. Construction Management in an amount not to exceed \$374,000.00.
2. Construction in the amount not to exceed \$3,391,000.00.
3. The total cost of this Interlocal Contract shall not exceed \$3,765,000.00, which includes all the items described in the paragraphs above.
4. If at any time during the term of this contract the entity determines that a portion of the funds provided pursuant to this Contract will not be needed for the project, then the entity will notify the District in writing of the amount of funds that are not anticipated to be used for the project. Upon receipt of said notification the District's obligation to pay the maximum amount set forth herein will automatically be reduced by the amount specified in the notification.
5. A written request must be made to the DISTRICT and approved by the Board to reallocate funds between phases of the Project. No other approval by the Lead Entity is required.
6. A written request must be made to the DISTRICT and a supplemental interlocal contract approved by the Board to increase the total cost of the contract noted above prior to payment of any additional funds.

SECTION III - GENERAL

1. The Clark County Regional Flood Control District shall be shown on the title sheet of both the plans and the specifications as the funding agency.
2. The COUNTY will use its best efforts to award the bid for this project by November 2018. Prior to submission of the first payment request, the Entity will submit to the District a construction schedule and cash flow projection. The COUNTY will take all reasonable steps possible to avoid delays in the construction of DISTRICT funded projects. Project delays more than four months, as measured from the award date, may be subject to a formal review by both the Technical Advisory Committee and the Board. At the review, the COUNTY will have an opportunity to present information relative to the delays, measures taken to avoid the delays and the likelihood of those delays continuing. The Board will make a determination, in view of the delays and limited available funding, whether project funding should continue. In the case that the Board chooses to discontinue funding, the Board may cancel any Interlocal Contract(s) associated with the project and discontinue funding for the remainder of the project. Funding already spent or appropriated by the COUNTY will not be required to be

refunded to the DISTRICT. Project funding can be reconsidered at any time when the COUNTY can demonstrate that the project can proceed on an acceptable schedule.

3. The COUNTY will comply with the Local Purchasing Act, Chapter 332, and Public Works Projects, Chapter 338 of the Nevada Revised Statutes.
4. The COUNTY, its employees, and representatives shall at all times comply with all applicable laws, ordinances, statutes, rules, and regulations in effect at the time work is performed on the PROJECT.
5. The COUNTY will require appropriate financial security for the construction of the PROJECT.
6. The COUNTY shall provide all impacted entities and the DISTRICT with the opportunity to provide the COUNTY with input relative to the following processes: scope of services development; consultant selection; design; construction and maintenance review; and monitoring of the effectiveness and impacts of facilities on flood flows.
7. Applicable portions of the current editions of the Policies and Procedures, the Hydrologic Criteria and Drainage Design Manual, and Uniform Regulations for Control of Drainage adopted by the DISTRICT will apply in developing this PROJECT unless specifically superseded by this CONTRACT.
8. Purchases of right-of-way in excess of that actually needed for construction will not be allowed unless a comparison between the cost of excess acquisition and needed acquisition, including damages, indicates that benefits from such a transaction would result. Title to residual property will be vested in the name of the COUNTY. Revenues derived from the sale of these properties, less the cost of the sale of these properties, will be forwarded to the DISTRICT.
9. Administrative settlements and acceptance of counter offers involving right-of-way may only be made following a review and approval by the DISTRICT.
10. The DISTRICT will pay the COUNTY, or make payment directly to its contractor or its consultant, each month for Project costs as outlined in SECTION II - PROJECT COSTS. Invoices must identify and allocate all costs to the categories noted below:
 - A. Right-of-way acquisition including appraisals, title and escrow, negotiations, legal fees, recording fees, etc.
 - B. Predesign engineering (all work prior to design, excluding right-of-way).
 - C. Design engineering.
 - D. Construction engineering.

- E. Construction (all work after award of construction contract).
 - F. Environmental: costs incurred by the entity for the preparation of environmental documentation applicable to the Project and costs incurred for the implementation of mitigation measures provided in an environmental document (e.g. EIS or EA).
 - G. Other including landscaping, flood insurance rate map amendments or revisions, etc.
11. Accurate documentation of all work done and payments made will be maintained by the COUNTY for a period of three (3) years in hard copy form after final Project approval and payment. Following the three (3) year period, the COUNTY shall keep records for permanent storage in original form, in microfilm/fiche media, or an electronic format.
 12. The DISTRICT reserves the right to review and/or audit all records pertaining to all projects both during and after Project completion.
 13. Up to the limits set forth in NRS Chapter 41, the COUNTY will indemnify and defend the DISTRICT against and from any and all claims and demands of whatsoever nature which arises out of allegations of negligence or misconduct of COUNTY officers, employees or agents, related to or under this Contract which results from injury to or death of any persons whomsoever, or against and from damage to or loss or destruction of property.
 14. Any costs found to be improperly allocated to the Project will be refunded by the COUNTY to the DISTRICT.

///

///

///

///

///

///

///

15. The items covered in SECTION II - PROJECT COSTS must be completed to the satisfaction of the DISTRICT prior to June 30, 2023. The DISTRICT may, at any time thereafter, grant extensions or terminate this Interlocal Contract after thirty (30) days' notice.

Date of Commission Action: CLARK COUNTY BOARD OF COMMISSIONERS

By: _____
STEVE SISOLAK
Chairman

Attest:

LYNN MARIE GOYA
County Clerk

Date of District Action: REGIONAL FLOOD CONTROL DISTRICT

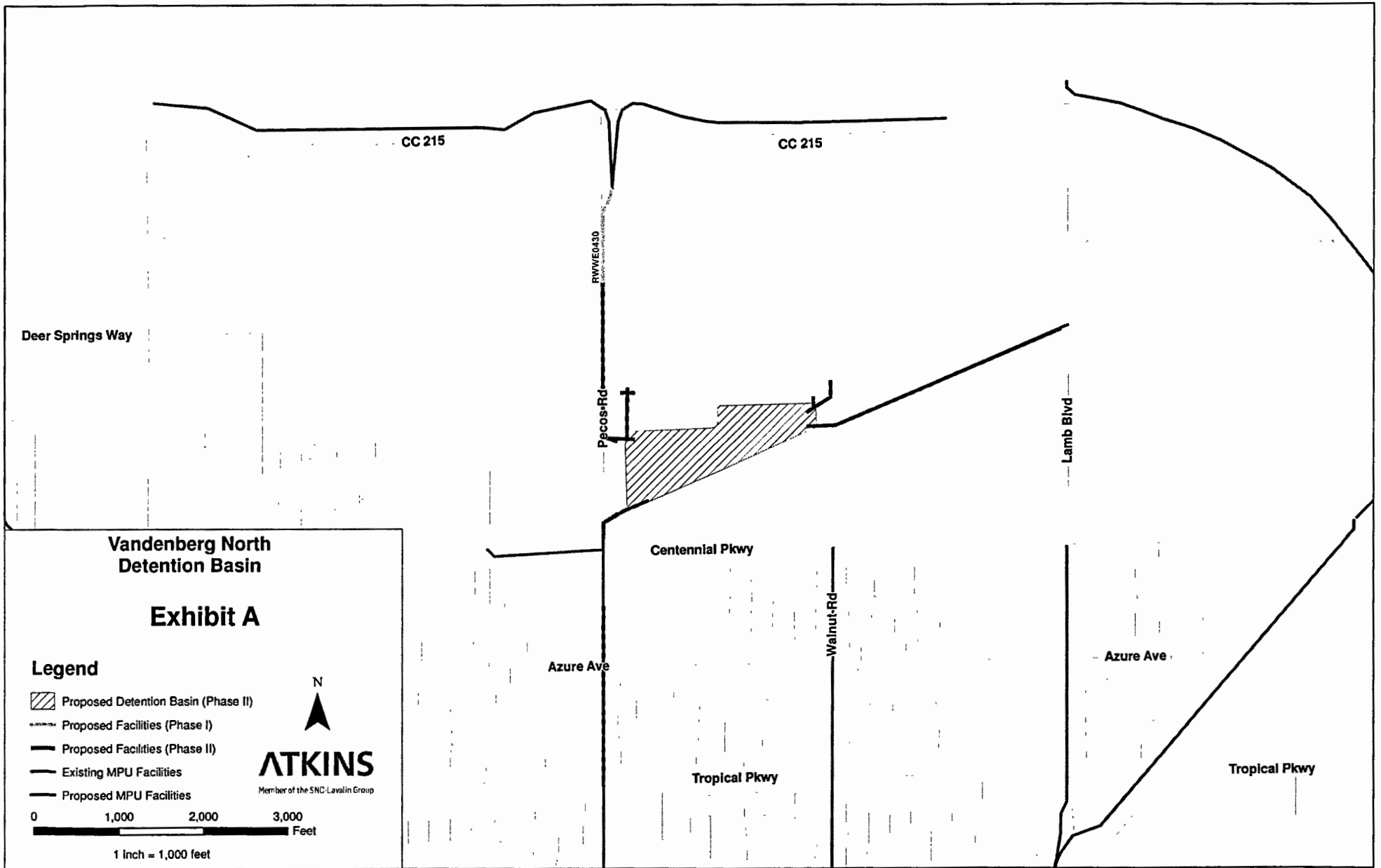
By: _____
LAWRENCE L. BROWN, III, Chairman

Attest:

SHERRY ALLEN
Secretary to the Board

Approved as to Form:

CHRISTOPHER FIGGINS
Chief Deputy District Attorney



15. **Comments By the General Public**

A period devoted to comments by the general public about matters relevant to the Regional Flood Control District Citizens Advisory Committee jurisdiction will be held. No vote may be taken on a matter not listed on the posted agenda. Comments will be limited to three minutes. Please step up to the speaker's podium, clearly state your name and address and please **spell** your last name for the record. If any member of the Regional Flood Control District Citizens Advisory Committee wishes to extend the length of a presentation, this will be done by the Chairman or the Regional Flood Control District Citizens Advisory Committee by majority vote. All comments by speakers should be relevant to the Regional Flood Control District Citizens Advisory Committee action and jurisdiction.