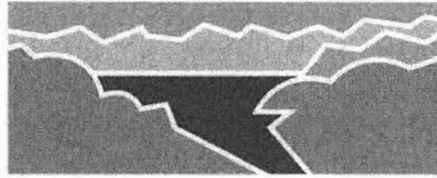


REGIONAL FLOOD CONTROL DISTRICT



NOTICE OF PUBLIC MEETING

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
BOARD OF DIRECTORS

SEPTEMBER 14, 2017
8:30 A.M.

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

****FOR ADDITIONAL INFORMATION CONTACT:**

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

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

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

Clark County Regional Flood Control District 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 89024
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/

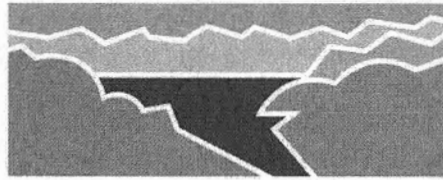
By: *Dorothy Davis*

****Supporting material available upon request.**

1. **Comments By the General Public**

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

REGIONAL FLOOD CONTROL DISTRICT



**CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
BOARD OF DIRECTORS
SEPTEMBER 14, 2017
8:30 A.M.**

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

I. Call to Order

1. Comments By the General Public

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

2. Action to approve the agenda with deletion of any items (*For possible action*)
3. Action to approve the minutes of the August 10, 2017 meeting (*For possible action*)
4. Discuss General Manager’s Monthly Report

II. *Consent Agenda – Items #05 through #16 are considered by the Regional Flood Control District to be routine and may be acted upon in one motion. However, the Board of Directors may discuss any consent item individually if requested by a Board member or a citizen when the consent agenda is considered for approval. Items considered for approval include the staff recommendation.**

Administration

5. Action to accept the financial reports (*For possible action*)
6. Action to adopt amendments to the Ten Year Construction Program (*For possible action*)
7. Action to accept the final accounting reports and closeout the interlocal contracts for the following projects (*For possible action*):
 - Pittman Wash, Duck Creek at I-515 (construction) – HEN01I14
 - Racetrack Channel, Drake to Burkholder (design) – HEN04P09
 - Racetrack Channel, Drake to Burkholder (construction) – HEN04Q15
 - Duck Creek, Sunset to Sandhill (design) – HEN24A11
 - Pittman Wash, Duck Creek at I-515 (design) – HEN01H09
8. Action to approve and authorize the Chairman to sign the first amendment to the professional services agreement with Atkins North America, Inc., to prepare a Master Plan Update for the Las Vegas Valley (*For possible action*)
9. Action to approve and authorize the Chairman to sign the consultant agreement with HDR Engineering, Inc., for the National Pollutant Discharge Elimination System Permit Compliance for the Las Vegas Valley (*For possible action*)
10. Action to approve and authorize the General Manager to sign the consultant contract with Southern Illinois University Carbondale (SIUC) to conduct a research project to analyze impacts of possible climate change scenarios in Clark County (*For possible action*)
11. Action to approve, adopt, and authorize the Chairman to sign Resolution No. 17-5 requesting the Board of County Commissioners of Clark County, Nevada, to issue Clark County, Nevada, General Obligation (Limited Tax) Flood Control Crossover Refunding Bonds (Additionally Secured by Pledged Revenues), Series 2017 to refinance certain outstanding bonds of the District, in accordance with the County's Debt Management Policy and the State of Nevada Bond Act and consenting and agreeing to be bound by the provisions of the 2017 Flood Control Crossover Refunding Bond Ordinance (*For possible action*)
12. Action to accept the quarterly Project Status Reports – reporting period May 2017 through July 2017 (*For possible action*)

Design and Construction

13. Action to approve a request to reallocate funding within the interlocal contract for design for Pittman, Horizon Ridge Detention Basin – City of Henderson (***For possible action***)
14. Receive a revised report on the award of bid for construction for Flamingo Diversion – Rainbow Branch – Clark County
15. Action to approve and authorize the Chairman to sign the interlocal contract for design for Town Wash – Mesa Boulevard, El Dorado to Town Wash – City of Mesquite (***For possible action***)
16. Action to approve construction change order no. 1 for Brent Drainage System – Floyd Lamb Park to Durango Drive – City of Las Vegas (***For possible action***)

****** End of Consent Agenda***

17. Comments By the General Public

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

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

REGIONAL FLOOD CONTROL DISTRICT



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

BOARD OF DIRECTORS

Lawrence L. Brown, III
Chairman
Clark County

Debra March
Vice-Chairman
City of Henderson

David Ballweg
City of Mesquite

Chris Giunchigliani
Clark County

Mayor Carolyn Goodman
City of Las Vegas

Mayor John J. Lee
City of North Las Vegas

Dr. Lois Tarkanian
City of Las Vegas

Mayor Rodney Woodbury
City of Boulder City

MEMORANDUM
SEPTEMBER 14, 2017

TO: BOARD OF DIRECTORS

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

DATE: September 6, 2017

I. Call to Order

1. Comments By the General Public

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

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

The agenda is in order for approval.

3. Action to approve the minutes of the August 10, 2017 meeting (*For possible action*)

The minutes are in order for approval.

4. Discuss General Manager's Monthly Report

Receive the report.



- II. *****Consent Agenda – Items #05 through #16 are considered by the Regional Flood Control District to be routine and may be acted upon in one motion. However, the Board of Directors may discuss any consent item individually if requested by a Board member or a citizen when the consent agenda is considered for approval. Items considered for approval include the staff recommendation.**

Administration

5. **Action to accept the financial reports (For possible action)**
The reports are in order for acceptance.

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

7. **Action to accept the final accounting reports and closeout the interlocal contracts for the following projects (For possible action):**

- **Pittman Wash, Duck Creek at I-515 (construction) – HEN01I14**
- **Racetrack Channel, Drake to Burkholder (design) – HEN04P09**
- **Racetrack Channel, Drake to Burkholder (construction) – HEN04Q15**
- **Duck Creek, Sunset to Sandhill (design) – HEN24A11**
- **Pittman Wash, Duck Creek at I-515 (design) – HEN01H09**

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.



Staff, TAC and CAC recommend accepting the final accounting reports and close out the interlocal contracts.

8. Action to approve and authorize the Chairman to sign the first amendment to the professional services agreement with Atkins North America, Inc., to prepare a Master Plan Update for the Las Vegas Valley (*For possible action*)

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. which was adopted by the Board on August 25, 2016. Phase 1 of the project was completed by the consultant in June 2017. Staff has now negotiated a professional services contract for Phase 2. Phase 2 of the project will include the remaining effort needed to complete the Master Plan Update. Additional funding in the amount of \$500,000.00 for the completion of the Master Plan Update for the Las Vegas Valley is available in the FY 2017-2018 budget approved by the Board on April 13, 2017. The agreement has been reviewed by the District Attorney and is included in the backup. Staff, TAC and CAC recommend approval.

9. Action to approve and authorize the Chairman to sign the consultant agreement with HDR Engineering, Inc., for the National Pollutant Discharge Elimination System Permit Compliance for the Las Vegas Valley (*For possible action*)

Since 1990, the cities of Henderson, Las Vegas and North Las Vegas; Clark County; and the District (Permittees) have administered a National Pollutant Discharge Elimination System (NPDES) stormwater quality permit issued by the State of Nevada, Division of Environmental Protection (NDEP). Since 1991, the District has contracted with an outside consultant to provide permit compliance services including stormwater sampling, laboratory analysis, reporting, and permit negotiation and program development. On June 8, 2017,



Memorandum

Clark County Regional Flood Control District

Board of Directors Meeting of September 14, 2017

Page 4 of 8

the Board authorized the District to solicit proposals, select a consultant, and negotiate a professional services agreement for consulting services to assist the Permittees in developing and implementing the stormwater program and negotiating a new permit with the NDEP.

Two (2) proposals were received (Stantec and HDR, Engineering, Inc.). A review committee was formed consisting of staff from the District, Clark County and the cities of North Las Vegas, Las Vegas and Henderson. This committee determined that HDR, Engineering, Inc., met the minimum qualifications to perform the required services and provided the best overall approach to implementing the program and permit. Staff has negotiated a professional services agreement with the consulting firm of HDR, Engineering Inc. Funding in the amount of \$371,465.00 for the professional services agreement is available in the FY 2017-2018 budget. The agreement has been reviewed by the District Attorney and is included in the backup. Staff, TAC and CAC recommend approval.

10. **Action to approve and authorize the General Manager to sign the consultant contract with Southern Illinois University Carbondale (SIUC) to conduct a research project to analyze impacts of possible climate change scenarios in Clark County (*For possible action*)**

The North American Regional Climate Change Assessment Program Climate Models (NARCAP) includes a collection of models developed to provide weather research and forecasting models to simulate potential changes to conditions that may affect rainfall depths and storm flow rates as a result of increased global surface temperatures. These models can be utilized to produce possible scenarios to analyze the impact to rainfall depths in Clark County as a result of climate change.

The District has negotiated a Consultant Contract with SIUC to conduct a research project to utilize NARCAP to address possible impacts to rainfall depths in Clark County. The research period covered in the Contract is October 1, 2017 through October 1, 2018.

The Fiscal Year 2017-18 budget includes sufficient appropriations for this contract. The District Attorney has reviewed the Contract. Staff, TAC and CAC recommend approval.



Memorandum
Clark County Regional Flood Control District
Board of Directors Meeting of September 14, 2017
Page 5 of 8

11. **Action to approve, adopt, and authorize the Chairman to sign Resolution No. 17-5 requesting the Board of County Commissioners of Clark County, Nevada, to issue Clark County, Nevada, General Obligation (Limited Tax) Flood Control Crossover Refunding Bonds (Additionally Secured by Pledged Revenues), Series 2017 to refinance certain outstanding bonds of the District, in accordance with the County's Debt Management Policy and the State of Nevada Bond Act and consenting and agreeing to be bound by the provisions of the 2017 Flood Control Crossover Refunding Bond Ordinance (*For possible action*)**

On November 13, 2008, the Board adopted Resolution No. 08-5 authorizing the District to secure up to \$300 million in general obligation commercial paper, notes, bonds, and other securities, or any combination thereof. On May 21, 2009, the Board of Directors approved Resolution No. 09-1 consenting and agreeing to be bound by the provisions of the 2009 Flood Control Bond Ordinance authorizing the issuance of the Clark County, Nevada, General Obligation (Limited Tax) Flood Control Bonds (Additionally Secured by Pledged Revenues), Series 2009A and Series 2009B, subject to the Clark County Board of Commissioners adoption of the Flood Control Bond Ordinance. At the District's request on June 2, 2009, the Board of County Commissioners approved an Ordinance authorizing the Sale of the General Obligation (Limited Tax) Flood Control Bonds (Additionally Secured by Pledged Revenues), Series 2009B.

The American Recovery and Reinvestment Act of 2009 ("ARRA") was enacted into law on February 17, 2009 and contained numerous provisions to promote effective capital markets for tax-exempt issuers. The Build America Bond ("BAB") program allowed an issuer to directly claim up to a 35 percent tax credit as a cash payment from the Treasury. Utilizing this credit structure, issuers were able to access long-term funding at a net of up to 65 percent of taxable rates, potentially creating savings relative to traditional tax-exempt fixed rate bonds.

Pursuant to the requirements of the Balanced Budget and Emergency Deficit Control Act of 1985, as amended, refund payments to certain state and local government filers claiming refundable credits under section 6431 of the Internal Revenue Code applicable to certain qualified bonds are subject to sequestration.



Memorandum
Clark County Regional Flood Control District
Board of Directors Meeting of September 14, 2017
Page 6 of 8

For fiscal year 2018, tax credits for the BAB program have been reduced by the sequestration rate of 6.6 percent, or a net subsidy of 32.725 percent. The sequestration reduction rate will be applied until a law is enacted that cancels or otherwise impacts sequestration.

Based on current market conditions, the savings will meet the criteria for refundings as set forth in the Debt Management Policy, by executing a refunding for the outstanding Series 2009B BABs using a crossover structure.

Staff recommends adoption of the attached Resolution No. 17-5 requesting the Board of County Commissioners of Clark County, Nevada, to issue Clark County, Nevada, General Obligation (Limited Tax) Flood Control Crossover Refunding Bonds (Additionally Secured by Pledged Revenues), Series 2017 for the purpose of refinancing all or a portion of the outstanding Clark County, Nevada, General Obligation (Limited Tax) Flood Control Refunding Bonds (Additionally Secured by Pledged Revenues), Series 2009B for interest rate savings and consents to and agrees to be bound by the provisions of the 2017 Flood Control Crossover Refunding Bond Ordinance to be adopted by the Board.

12. **Action to accept the quarterly Project Status Reports – reporting period May 2017 through July 2017 (*For possible action*)**
The reports are in order for acceptance.

Design and Construction

13. **Action to approve a request to reallocate funding within the interlocal contract for design for Pittman, Horizon Ridge Detention Basin – City of Henderson (*For possible action*)**
The City of Henderson has submitted a request to reallocate funding within the interlocal contract for design engineering, right-of-way, environmental mitigation and a CLOMR/LOMR dated December 10, 2009 and supplemented March 8, 2012 and August 14, 2014.

The reallocation of funds is needed to allow for NV Energy line extension charges and additional design engineering costs. Staff, TAC and CAC recommend approval.



Memorandum
Clark County Regional Flood Control District
Board of Directors Meeting of September 14, 2017
Page 7 of 8

14. Receive a revised report on the award of bid for construction for Flamingo Diversion – Rainbow Branch – Clark County

On July 10, 2015, bids were opened for the project. Two bids were received ranging from \$12,619,186.00 to \$15,346,292.00. The recommended best bid is to Las Vegas Paving Corporation in the amount of \$12,619,186.00, or 57.38% above the engineer's estimate of \$8,018,117.00 presented to the District Board on February 14, 2013.

The interlocal contract dated November 12, 2015, between the District and the County, allocates \$9,665,000.00 for construction of this project. It was determined that an error was discovered in the original funding breakdown. The District's share is \$8,832,316.29.

A cash flow projection, estimated construction schedule, and a tabulation of bids are have been provide to the District. Staff, TAC and CAC recommend to receiving the report.

15. Action to approve and authorize the Chairman to sign the interlocal contract for design for Town Wash – Mesa Boulevard, El Dorado to Town Wash – City of Mesquite (*For possible action*)

The City of Mesquite has submitted a request to approve an interlocal contract for design engineering for the Town Wash – Mesa Boulevard, El Dorado to Town Wash project described in the 2012 Master Plan Update as Facility Numbers TWMB 0000, 0022, 0024 and 0044 and TOWA 0120 with design scheduled to begin in FY 2017-18. The project consists of the design of approximately 2,200 linear feet of 12 feet wide concrete channel and approximately 500 linear feet of 12 feet by 7 feet reinforced concrete box.

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

16. Action to approve construction change order no. 1 for Brent Drainage System – Floyd Lamb Park to Durango Drive – City of Las Vegas (*For possible action*)

The City of Las Vegas has submitted a request to approve construction change order no. 1 in the amount of \$88,000 for the Brent Drainage System – Floyd Lamb Park to Durango Drive project.



Memorandum
Clark County Regional Flood Control District
Board of Directors Meeting of September 14, 2017
Page 8 of 8

This work includes additional time to provide paleontological monitoring during excavation in undisturbed portions of the project site. The contractor has reviewed the schedule and have determined the excavation activity for the project may require additional excavation days to complete the project. This change order will be issued as a not to exceed amount and the contractor will only be reimbursed for paleontological mitigation required to complete the project.

The Interlocal Contract dated August 13, 2015, First Supplemental Interlocal Contract dated November 10, 2016 and Second Supplemental Interlocal Contract dated February 9, 2017 include sufficient funds to support this request. Staff, TAC and CAC recommend approval.

***** End of Consent Agenda**

17. Comments By the General Public

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "Steven C. Parrish", is written over a horizontal line.

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

MINUTES
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
BOARD OF DIRECTORS
AUGUST 10, 2017
8:30 A.M.

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

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

MEMBERS PRESENT: Lawrence L. Brown, III, Chairman, Clark County
Mayor Debra March, Vice Chair, City of Henderson
Chris Giunchigliani, Clark County
Carolyn G. Goodman, City of Las Vegas
Dr. Lois Tarkanian, City of Las Vegas
John J. Lee, City of North Las Vegas
Rodney S. Woodbury, City of Boulder City
David Ballweg, City of Mesquite

STAFF: Steven C. Parrish, General Manager/Chief Engineer
Andrew Trelease, Assistant General Manager
Christopher Figgins, Chief Deputy District Attorney
Todd Myers, Engineering Director
Jeanine Pitts-Dilworth, Administrative Services Director
John Tennert, Environmental Mitigation Manager
Erin Neff, Public Information Manager
Abigail Mayrena, Principal Civil Engineer
Brian Rowley, Principal Civil Engineer
Ching C. Wang, Senior Civil Engineer
Debra Yamachika, Associate Engineer
Jessica Butte, Management Analyst II
Chris Russo, Management Analyst II
Michael Todd, Systems Administrator
Lillie Collins, Programmer Analyst II
Beatriz Martinez, Public Information Coordinator
Geraldine Cruz, Senior Financial Office Specialist
Sherry Allen, Senior Office Specialist
Elizabeth Bacani, Office Specialist
Jared Bacon, Engineering Intern

INTERESTED PARTIES: Jinxin Xie, Senior Civil Engineer, Clark County Public Works

I. Call to Order

Mayor Debra March called the meeting to order at 8:41 a.m. in the Clark County Board of County Commissioners Chambers, 500 S. Grand Central Parkway.

1. Comments By the General Public

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

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

Upon a motion by Commissioner Giunchigliani, the agenda was approved and items #13 and #14 were added.

VOTE: 6 AYES – 0 NAYS

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

Upon a motion by Commissioner Giunchigliani, the minutes of July 13, 2017 meeting were approved.

VOTE: 6 AYES – 0 NAYS

Mayor Goodman arrived at 8:39 a.m.

Commissioner Brown arrived at 8:47 a.m.

4. Discuss General Manager's Monthly Report

Mr. Parrish stated there were no project completions to report, however, he did want to discuss two (2) storm events. The first which happened on July 25, 2017, near the Kyle Canyon Detention Basin west of the Providence Community where the rain gauge registered 1.61 inches of rain in about 50 minutes. This event impacted the Providence Community and roadways east of the U.S. 95, including Brent Lane and Shady Pines Drive. There was twenty-six (26) hours of media coverage and one structure damaged in the Durango/Log Cabin area. Multiple projects are either under construction or about to start that will reduce flooding in these problem areas.

The second storm event happened on August 4, 2017 near Spring Mountain Road and I-15. The rain gauge at Dean Martin and Twain registered 0.16 inches of rain

early during the storm, and within twenty-two (22) minutes the rain gauge measured almost half an inch of rain.

Rainfall in this area collects into the Flamingo Wash, which passes through the Linq parking garage causing a downstream flow of water measuring 2.35 feet deep. Within an hour the water was four (4) feet near Flamingo and Eastern. A rise of four (4) feet in 14 minutes. The flow rate for this event was 1364 cubic feet per second.

Commissioner Giunchigliani questioned how the drains that were installed worked, because it seem as though everything overflowed. Mr. Parrish stated, the previous hotel owners designed the Flamingo Wash outlet to flow into the parking garage. The water would flow through the garage onto Winnick Avenue. The only way to resolve this problem is to extend the facility up through the garage which will impact the functionality of business. This would entail closure of the hotel in that location while the work is being done. The business owners have chosen not to do that at this time. Commissioner Giunchigliani stated there may need to be a meeting with the business owners regarding the resolution and alternate resolution to the problem.

Mayor Goodman also inquired as to where the liability falls for this type of event, and does the Regional Flood Control District work with the sewer entities. Mr. Figgins stated that within thirty (30) years there has never been a complaint filed and this would be a responsibility of Clark County and not the Regional Flood Control District. Mr. Parrish replied in regard to working with sewer entities, RFCDD does work with Clark County on a clean water team who will inspect the locations and ensure everything is cleaned up.

Mr. Parrish also stated there were six (6) swift water rescues and one (1) fatality. A fifty-seven (57) year old man drowned in the Flamingo Wash.

Mr. John Tennert, RFCDD Environmental Mitigation Manager, gave a presentation on the audit for the Storm Water and (Nevada Division of Environmental Protection (NDEP) Program.

Mr. Parrish thanked the RFCDD staff, Public Works, and elected officials for their help on the project.

- II. ******Consent Agenda – Items #05 through #11 are considered by the Regional Flood Control District to be routine and may be acted upon in one motion. However, the Board of Directors may discuss any consent item individually if requested by a Board member or a citizen when the consent agenda is considered for approval. Items considered for***

approval include the staff recommendation.

Administration

5. Action to accept the financial reports *(For possible action)*
6. Action to adopt amendments to the Ten Year Construction Program *(For possible action)*
7. Action to approve the additional expenditure for burden charges from the FY 2017-18 budget *(For possible action)*

Design and Construction

8. Action to approve and authorize the Chairman to sign the second supplemental interlocal contract for maintenance for FY 2016-17 Maintenance Work Program – City of Henderson *(For possible action)*
9. Action to accept the Maintenance Work Program Fourth Quarter Fiscal Year 2016-17 Status Reports as submitted by the entities *(For possible action)*
10. Action to approve the requests to reallocate funding within the interlocal contracts for design and construction for the following projects *(For possible action)*:
 - a. Vandenberg North Detention Basin and Outfall – City of North Las Vegas
 - b. Windmill Wash Detention Basin Expansion – Clark County
 - c. Rancho Road System – Elkhorn, Fort Apache to Grand Canyon – City of Las Vegas
11. Action to approve and authorize the Chairman to sign the interlocal contracts for design for the following projects *(For possible action)*:
 - a. Gowan North – El Capitan Branch, Ann Road to Centennial Parkway – City of Las Vegas
 - b. Flamingo – Boulder Hwy., North, Charleston – Main Street to Maryland Parkway – City of Las Vegas

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

VOTE: 8 AYES – 0 NAYS

***** End of Consent Agenda**

III. Discussion Items

Design and Construction

12. Searchlight – South, Encinitas Street Storm Drain – Clark County (*For possible action*).
 - a. Action to accept the project presentation
 - b. Action to approve and authorize the Chairman to sign the interlocal contract for construction

Ms. Jinxin Xie, Clark County Public Works gave a presentation.

Commissioner Giunchigliani asked if there were any other barriers designed to assist in keeping the homeless out of the channels. Mr. Parrish stated manual gates and electronic gates would be dependent upon someone having to be available to open them. This has been a challenge keeping the homeless from entering the channels. Mr. Parrish and Commissioner Giunchigliani both agree this is a matter to be discussed.

Staff recommends approval.

Upon a motion by Mayor March, the presentation was accepted and interlocal contract was approved.

VOTE: 8 AYES – 0 NAYS

13. Action to approve and authorize the Chairman to sign the revised Section 214 Memorandum of Agreement for expedited reviews of Section 408 permits from US Army Corps of Engineers (*For possible action*)

Mr. Parrish stated the reason for this new agreement was due to a change in the cost at a higher amount.

Mayor March asked if there would be a reimbursement. Mr. Parrish advised that matter would be discussed in item #14.

Mr. Figgins also stated there were a few other changes added, and this new agreement would replace the old agreement.

Staff recommends approval.

Mayor March motioned to follow staff recommendation.

VOTE: 8 AYES – 0 NAYS

14. Action to approval and authorize the Chairman to sign the revised agreement to reimburse Clark County Regional Flood Control District for expedited reviews of Section 408 permits from the US Army Corps of Engineers (*For possible action*)

Staff recommends approval, subject to Corps approval of the Section 214 Agreement heard with the previous item.

Commissioner Giunchigliani motioned to follow staff recommendation.

VOTE: 8 AYES – 0 NAYS

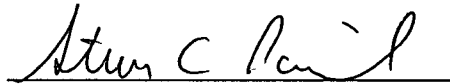
15. **Comments By the General Public**

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

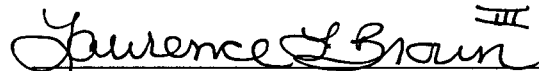
ADJOURNMENT

The meeting adjourned at 9:04 a.m.

Respectfully submitted,

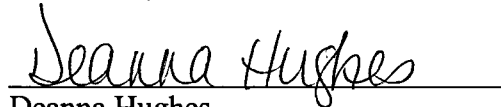


Steven C. Parrish, P.E.
General Manager/Chief Engineer



Lawrence L. Brown, III
Chairman

Attest September 14, 2017



Deanna Hughes
Board Secretary
/dd

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

GENERAL MANAGER'S MONTHLY REPORT

RECOMMENDATION SUMMARY

STAFF:

Receive the report.

**RFCD AGENDA
ITEM #04
DATE: 09/14/17**

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

GENERAL MANAGER'S MONTHLY REPORT

PETITIONER:

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

RECOMMENDATION OF PETITIONER:

DISCUSS GENERAL MANAGER'S MONTHLY REPORT

FISCAL IMPACT:

None.

BACKGROUND:

Discuss the General Manager's monthly report:

- Employee of the Quarter
- Construction project progress

Respectfully submitted,



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

RFCD AGENDA
ITEM #04
Date: 09/14/17

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

FINANCIAL REPORTS – JULY 2017

RECOMMENDATION SUMMARY

STAFF: Accept the reports.

TECHNICAL ADVISORY: Accept the reports.

CITIZENS ADVISORY: Accept the reports.

**RFCD AGENDA
ITEM #05
DATE: 09/14/17**

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:
FINANCIAL REPORTS – JULY 2017
PETITIONER:
STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER
RECOMMENDATION OF PETITIONER:
ACCEPT THE REPORTS (FOR POSSIBLE ACTION)

FISCAL IMPACT: None

BACKGROUND: The financial reports for June 2017, 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 2016-17	2
	Appropriation Balance Report – FY 2017-18	3
	Sales Tax Revenue Report – FY 2016-17	4
	Sales Tax Revenue Report – FY 2017-18	5
	Monthly Expenditure Summary Report	6
B - Fund 2870	Fund Balance Report	7
	Maintenance Work Program Monthly Expenditures.....	8-12
	Maintenance Work Program Status Report – FY 2017	13-15
	Maintenance Work Program Status Report – FY 2018.....	16-17
C - Fund 3300	Fund Balance Report	18
D - Fund 4430	Fund Balance Report	19
	Monthly Expenditure Report.....	20-21
E - Fund 4440	Fund Balance Report	22
	Monthly Expenditure Report.....	23

TAC AGENDA ITEM # 04 DATE: 08/31/17	RFCD AGENDA ITEM # 05 DATE: 09/14/17
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CAC AGENDA ITEM # 04 DATE: 08/31/17

F - Summary	Pay-As-You Go – Current Project Expense Summary.....	24-50
	Bond Funded – Current Project Expense Summary.....	51-55
	Capital Improvement Program – Open Projects Summary	56
	Pay-As-You Go CIP – Cumulative Reporting	57-66
	Bond Funded CIP – Cumulative Reporting.....	67-70
	FY 2017-18 Projects Funded Summary	71-72
	FY 2017-18 Estimated Funding Schedule.....	73

Respectfully submitted,



Christopher Russo
Management Analyst II

TAC AGENDA ITEM # 04 DATE: 08/31/17	RFCD AGENDA ITEM # 05 DATE: 09/14/17
CAC AGENDA ITEM # 04 DATE: 08/31/17	

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

BEGINNING CASH BALANCE:	11,578,520.91	
Accruals/Adjustments	<u>129,835.87</u>	
	TOTAL BEGINNING BALANCE	\$11,708,356.78
REVENUES:		
Sales Tax Revenue	8,467,129.44	
Interest Earnings	10,199.77	
Fund 4430 - Transfer In Interest Earnings	121,241.60	
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>0.00</u>	
	TOTAL REVENUES	\$8,598,570.81
EXPENDITURES:		
Salaries & Benefits	(253,036.01)	
Services & Supplies	(39,290.95)	
Professional Services	(261,199.92)	
Capital Expenditures	0.00	
Fund 2870 - Transfer Out Maintenance Work Program	(0.00)	
Fund 3300 - Transfer Out Debt Service	(3,307,317.73)	
Fund 4430 - Transfer Out Budgeted Transfers	(0.00)	
Accruals/Adjustments		
Accounts Payable	12,179.17	
Miscellaneous Accruals/Adjustments	<u>(117,977.76)</u>	
	TOTAL EXPENSES	<u>(\$3,966,643.20)</u>
ENDING CASH BALANCE:		<u>\$16,340,284.39</u>

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

REVENUES/FINANCING SOURCES

	BUDGET	ACTUAL	ENCUMBRANCE/ ILC	UNREALIZED	% UNREALIZED
Revenues	\$ 102,022,393.00	\$ 93,059,680.21	N/A	\$ 8,962,712.79	9%
Other Sources	\$ 526,500.00	\$ 517,145.52	N/A	\$ 9,354.48	2%
TOTAL	\$ 102,548,893.00	\$ 93,576,825.73	N/A	\$ 8,972,067.27	9%

EXPENDITURES/TRANSFERS

	BUDGET	ACTUAL	ENCUMBRANCE/ ILC	AVAILABLE	% AVAILABLE
Expenditures (1)	\$ 9,149,088.28	\$ 6,303,148.32	\$ -	\$ 2,845,939.96	31%
Transfers Out					
Debt Service	\$ 39,672,020.00	\$ 39,672,019.16	\$ -	\$ 0.84	0%
MWP	\$ 8,000,000.00	\$ 7,332,600.00	\$ -	\$ 667,400.00	8%
CIP (2)	\$ 47,000,000.00	\$ 41,250,000.00	\$ -	\$ 5,750,000.00	12%
TOTAL	\$ 103,821,108.28	\$ 94,557,767.48	\$ -	\$ 9,263,340.80	9%

Notes:

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

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	\$ 10,255.77	N/A	\$ 103,744,379.23	100%
Other Sources	\$ 635,262.00	\$ 121,241.60	N/A	\$ 514,020.40	81%
TOTAL	\$ 104,389,897.00	\$ 131,497.37	N/A	\$ 104,258,399.63	100%

EXPENDITURES/TRANSFERS

	BUDGET	ACTUAL	ENCUMBRANCE/ ILC	AVAILABLE	% AVAILABLE
Expenditures (1)	\$ 8,949,078.00	\$ 677,845.99	\$ 2,199,039.58	\$ 6,072,192.43	68%
Transfers Out					
Debt Service	\$ 39,651,400.00	\$ 6,614,635.46	\$ -	\$ 33,036,764.54	83%
MWVP	\$ 8,000,000.00	\$ -	\$ -	\$ 8,000,000.00	100%
CIP (2)	\$ 55,000,000.00	\$ -	\$ -	\$ 55,000,000.00	100%
TOTAL	\$ 111,600,478.00	\$ 7,292,481.45	\$ 2,199,039.58	\$ 102,108,956.97	91%

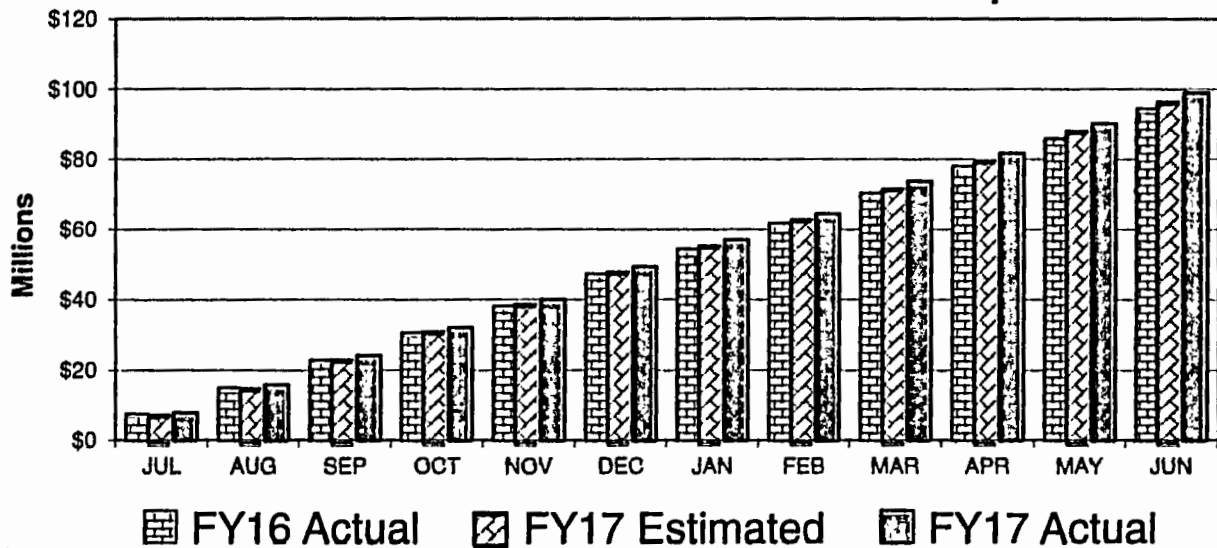
Notes:

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

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

MONTH SALES TAX COLLECTED BY MERCHANT	1/4 CENT SALES TAX ESTIMATE (as approved April 14, 2016)	ACTUAL SALES TAX REVENUES	DIFFERENCE OVER/(UNDER) ESTIMATE	PERCENT +/- FROM ESTIMATE
JULY	7,844,462.91	7,828,823.42	(15,639.49)	-0.20%
AUGUST	7,591,361.75	7,949,595.27	358,233.52	4.72%
SEPTEMBER	8,027,149.35	8,291,982.57	264,833.22	3.30%
OCTOBER	7,949,522.17	7,918,968.02	(30,554.15)	-0.4%
NOVEMBER	7,871,295.45	7,962,254.61	90,959.16	1.2%
DECEMBER	9,185,772.98	9,383,311.40	197,538.42	2.2%
JANUARY	7,368,521.13	7,695,742.50	327,221.37	4.4%
FEBRUARY	7,498,805.14	7,405,280.52	(93,524.62)	-1.2%
MARCH	8,848,506.91	9,261,470.53	412,963.62	4.7%
APRIL	8,039,515.51	8,057,503.65	17,988.14	0.2%
MAY	8,439,782.36	8,467,129.44	27,347.08	0.3%
JUNE	8,435,304.34	8,829,285.55	393,981.21	4.7%
TOTAL:	\$ 97,100,000.00	\$ 99,051,347.48	\$ 1,951,347.48	2.01%

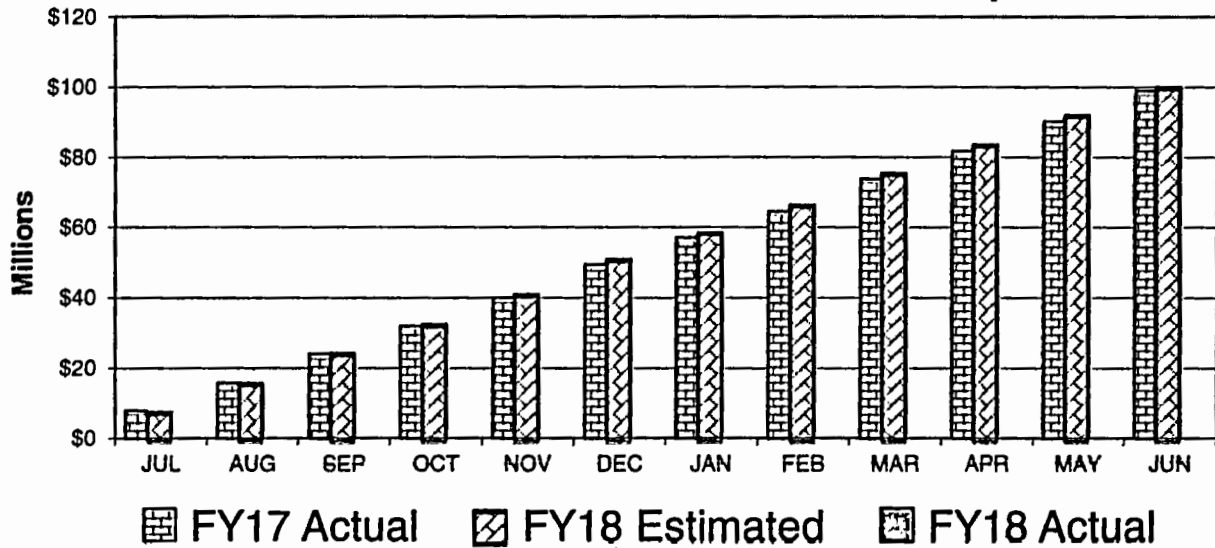
Estimated vs Actual Cumulative Sales Tax Receipts



**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			
AUGUST	8,203,982.32			
SEPTEMBER	8,557,326.01			
OCTOBER	8,172,375.00			
NOVEMBER	8,471,775.21			
DECEMBER	9,983,768.26			
JANUARY	7,603,708.26			
FEBRUARY	7,801,049.35			
MARCH	9,118,685.91			
APRIL	8,233,361.78			
MAY	8,435,509.85			
JUNE	8,039,112.28			
TOTAL:	\$ 100,700,000.00	\$ -	\$ -	

Estimated vs Actual Cumulative Sales Tax Receipts



Schedule of Monthly Expenditures - Summary
Fund 2860 - Operating Fund
7/1/2017 to 7/31/2017

Fiscal Year - 2017

<u>Account #</u>	<u>Account Name</u>	<u>Amount</u>
630000	Other Professional Services	260,415.92
635000	Pro Svcs-Legal	784.00
640310	R & M-Facilities	11,662.03
640320	R & M-Equipment	975.21
640340	R & M-Vehicles	1,177.24
641000	Other Rental Expense	1,123.60
644400	Temporary Personnel Services	1,483.29
645000	Other Insurance	161.06
646120	Cell Phones/Beepers	261.20
648100	Printing/Reproduction	2,039.50
649000	Other Travel	20.00
649100	Airfare	455.88
649200	Lodging	3,176.14
649300	Auto	329.64
649400	Meals	408.50
649510	Travel/Training	1,145.00
663000	Operating Supplies	2,814.35
663200	Food	49.68
663400	Office Supplies	1,278.10
663421	LVA-IT Hardware-Modified Accrual	374.88
663500	Wearing Apparel	41.80
670100	Electricity	1,683.15
670500	Disposal	46.60
679600	Postage	38.00
Fiscal Year Total		\$291,944.77

Fiscal Year - 2018

<u>Account #</u>	<u>Account Name</u>	<u>Amount</u>
61*/62*	Salaries and Benefits	253,036.01
640310	R & M-Facilities	210.00
640320	R & M-Equipment	2,899.00
648100	Printing/Reproduction	83.85
649100	Airfare	264.90
649200	Lodging	1,163.16
649400	Meals	288.00
649500	Registration/Training	598.00
663500	Wearing Apparel	16.72
670100	Electricity	829.47
679220	Software Licenses	2,193.00
Fiscal Year Total		\$261,582.11
Grand Total		\$553,526.88

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

BEGINNING CASH BALANCE:	8,105,322.55	
Accruals/Adjustments	<u>(266,393.39)</u>	
TOTAL BEGINNING CASH BALANCE:		\$7,838,929.16
REVENUES:		
Interest Income	8,693.83	
Fund 2860 - Transfer In Maintenance Work Program	0.00	
Miscellaneous Other Revenue/Adjustments	<u>711,801.84</u>	
TOTAL MONTHLY REVENUES		\$720,495.67
EXPENDITURES:		
Services & Supplies	0.00	
Maintenance Work Program Expenditures	(1,676,536.77)	
Accruals/Adjustments		
Miscellaneous Accruals/Adjustments	(518,803.12)	
Contract Retention Payable	0.00	
Contract Retention Interest Payable	0.00	
Accounts Payable	<u>0.00</u>	
TOTAL MONTHLY EXPENSES		<u>(\$2,195,339.89)</u>
ENDING CASH BALANCE:		<u><u>\$6,364,084.94</u></u>

**Regional Flood Control District
Monthly Expenditures
Maintenance Work Program
7/1/2017 to 7/31/2017**

Fiscal Year- 2017

<u>Vendor</u>	<u>Facility</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>PO Number</u>	<u>Date Paid</u>	<u>Amount</u>
CH2M HILL ENGINEERS INC	RF.HN11	381109019	06/15/2017	4500259213 00010	07/14/2017	906.36
CH2M HILL ENGINEERS INC	RF.HN18	381109019	06/15/2017	4500259213 00010	07/14/2017	906.36
CH2M HILL ENGINEERS INC	RF.HN21	381109019	06/15/2017	4500259213 00010	07/14/2017	906.36
CH2M HILL ENGINEERS INC	RF.HN25	381109019	06/15/2017	4500259213 00010	07/14/2017	906.36
CH2M HILL ENGINEERS INC	RF.HN26	381109019	06/15/2017	4500259213 00010	07/14/2017	1,812.76
CH2M HILL ENGINEERS INC	RF.HN27	381109019	06/15/2017	4500259213 00010	07/14/2017	906.36
CH2M HILL ENGINEERS INC	RF.HN28	381109019	06/15/2017	4500259213 00010	07/14/2017	906.36
CH2M HILL ENGINEERS INC	RF.HN29	381109019	06/15/2017	4500259213 00010	07/14/2017	906.36
CH2M HILL ENGINEERS INC	RF.HN45	381109019	06/15/2017	4500259213 00010	07/14/2017	906.36
CH2M HILL ENGINEERS INC	RF.HN61	381109019	06/15/2017	4500259213 00010	07/14/2017	906.36
CITY OF BOULDER CITY	RF.BC01	11102A	07/18/2017	4500255268 00010	07/20/2017	27,567.90
CITY OF BOULDER CITY	RF.BC02	11102A	07/18/2017	4500255268 00010	07/20/2017	581.15
CITY OF BOULDER CITY	RF.BC03	11102A	07/18/2017	4500255268 00010	07/20/2017	2,524.24
CITY OF BOULDER CITY	RF.BC04	11102A	07/18/2017	4500255268 00010	07/20/2017	799.66
CITY OF HENDERSON	RF.HN01	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	318.03
CITY OF HENDERSON	RF.HN01	MSC5027372	06/29/2017	4500252203 00010	07/12/2017	45.00
CITY OF HENDERSON	RF.HN01	MSC5027465B	06/30/2017	none	07/21/2017	544.54
CITY OF HENDERSON	RF.HN01	MSC5027532	06/30/2017	none	07/26/2017	52.68
CITY OF HENDERSON	RF.HN02	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	233.42
CITY OF HENDERSON	RF.HN02	MSC5027532	06/30/2017	none	07/26/2017	26.34
CITY OF HENDERSON	RF.HN03	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	113.32
CITY OF HENDERSON	RF.HN03	MSC5027532	06/30/2017	none	07/26/2017	18.81
CITY OF HENDERSON	RF.HN04	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	80.03
CITY OF HENDERSON	RF.HN04	MSC5027532	06/30/2017	none	07/26/2017	7.53
CITY OF HENDERSON	RF.HN05	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	713.48
CITY OF HENDERSON	RF.HN05	MSC5027532	06/30/2017	none	07/26/2017	231.16
CITY OF HENDERSON	RF.HN06	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	3,898.23
CITY OF HENDERSON	RF.HN06	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	20.42
CITY OF HENDERSON	RF.HN06	MSC5027532	06/30/2017	none	07/26/2017	2,540.60
CITY OF HENDERSON	RF.HN07	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	33.93
CITY OF HENDERSON	RF.HN07	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	40.84
CITY OF HENDERSON	RF.HN07	MSC5027532	06/30/2017	none	07/26/2017	7.53
CITY OF HENDERSON	RF.HN08	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	1,435.77
CITY OF HENDERSON	RF.HN08	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	40.84
CITY OF HENDERSON	RF.HN08	MSC5027532	06/30/2017	none	07/26/2017	778.81
CITY OF HENDERSON	RF.HN09	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	37,142.21
CITY OF HENDERSON	RF.HN09	MSC5027372	06/29/2017	4500252203 00010	07/12/2017	1,915.00
CITY OF HENDERSON	RF.HN09	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	15,046.64
CITY OF HENDERSON	RF.HN09	MSC5027465A	06/30/2017	4500252203 00010	07/21/2017	8.18
CITY OF HENDERSON	RF.HN09	MSC5027465B	06/30/2017	none	07/21/2017	163.96

**Regional Flood Control District
Monthly Expenditures
Maintenance Work Program
7/1/2017 to 7/31/2017**

Fiscal Year- 2017

<u>Vendor</u>	<u>Facility</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>PO Number</u>	<u>Date Paid</u>	<u>Amount</u>
CITY OF HENDERSON	RF.HN09	MSC5027474	06/30/2017	4500252203 00010	07/19/2017	47.52
CITY OF HENDERSON	RF.HN09	MSC5027532	06/30/2017	none	07/26/2017	10,627.85
CITY OF HENDERSON	RF.HN10	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	96.47
CITY OF HENDERSON	RF.HN10	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	40.84
CITY OF HENDERSON	RF.HN10	MSC5027532	06/30/2017	none	07/26/2017	15.05
CITY OF HENDERSON	RF.HN11	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	246.43
CITY OF HENDERSON	RF.HN11	MSC5027532	06/30/2017	none	07/26/2017	41.39
CITY OF HENDERSON	RF.HN12	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	390.01
CITY OF HENDERSON	RF.HN12	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	61.26
CITY OF HENDERSON	RF.HN12	MSC5027532	06/30/2017	none	07/26/2017	146.34
CITY OF HENDERSON	RF.HN13	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	81.68
CITY OF HENDERSON	RF.HN14	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	16.85
CITY OF HENDERSON	RF.HN14	MSC5027532	06/30/2017	none	07/26/2017	3.76
CITY OF HENDERSON	RF.HN15	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	145.25
CITY OF HENDERSON	RF.HN15	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	40.84
CITY OF HENDERSON	RF.HN15	MSC5027532	06/30/2017	none	07/26/2017	18.81
CITY OF HENDERSON	RF.HN16	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	446.68
CITY OF HENDERSON	RF.HN16	MSC5027532	06/30/2017	none	07/26/2017	45.16
CITY OF HENDERSON	RF.HN17	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	20.42
CITY OF HENDERSON	RF.HN18	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	50.56
CITY OF HENDERSON	RF.HN18	MSC5027532	06/30/2017	none	07/26/2017	11.29
CITY OF HENDERSON	RF.HN19	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	277.32
CITY OF HENDERSON	RF.HN19	MSC5027532	06/30/2017	none	07/26/2017	48.91
CITY OF HENDERSON	RF.HN20	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	20.42
CITY OF HENDERSON	RF.HN21	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	44.64
CITY OF HENDERSON	RF.HN21	MSC5027532	06/30/2017	none	07/26/2017	7.52
CITY OF HENDERSON	RF.HN22	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	147.03
CITY OF HENDERSON	RF.HN22	MSC5027532	06/30/2017	none	07/26/2017	26.34
CITY OF HENDERSON	RF.HN24	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	172.39
CITY OF HENDERSON	RF.HN24	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	40.84
CITY OF HENDERSON	RF.HN24	MSC5027532	06/30/2017	none	07/26/2017	22.58
CITY OF HENDERSON	RF.HN26	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	440.45
CITY OF HENDERSON	RF.HN26	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	572.67
CITY OF HENDERSON	RF.HN26	MSC5027532	06/30/2017	none	07/26/2017	97.83
CITY OF HENDERSON	RF.HN27	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	33.93
CITY OF HENDERSON	RF.HN27	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	21.34
CITY OF HENDERSON	RF.HN27	MSC5027465A	06/30/2017	4500252203 00010	07/21/2017	133.50
CITY OF HENDERSON	RF.HN27	MSC5027532	06/30/2017	none	07/26/2017	7.53
CITY OF HENDERSON	RF.HN28	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	141.51
CITY OF HENDERSON	RF.HN28	MSC5027532	06/30/2017	none	07/26/2017	3.76

**Regional Flood Control District
 Monthly Expenditures
 Maintenance Work Program
 7/1/2017 to 7/31/2017**

Fiscal Year - 2017

<u>Vendor</u>	<u>Facility</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>PO Number</u>	<u>Date Paid</u>	<u>Amount</u>
CITY OF HENDERSON	RF.HN29	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	27.67
CITY OF HENDERSON	RF.HN30	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	16.85
CITY OF HENDERSON	RF.HN30	MSC5027532	06/30/2017	none	07/26/2017	3.76
CITY OF HENDERSON	RF.HN31	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	20.42
CITY OF HENDERSON	RF.HN32	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	393.20
CITY OF HENDERSON	RF.HN32	MSC5027532	06/30/2017	none	07/26/2017	128.76
CITY OF HENDERSON	RF.HN33	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	42.70
CITY OF HENDERSON	RF.HN34	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	20.42
CITY OF HENDERSON	RF.HN35	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	20.42
CITY OF HENDERSON	RF.HN36	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	40.84
CITY OF HENDERSON	RF.HN37	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	146.34
CITY OF HENDERSON	RF.HN37	MSC5027532	06/30/2017	none	07/26/2017	11.29
CITY OF HENDERSON	RF.HN38	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	20.42
CITY OF HENDERSON	RF.HN40	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	20.42
CITY OF HENDERSON	RF.HN41	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	33.70
CITY OF HENDERSON	RF.HN41	MSC5027532	06/30/2017	none	07/26/2017	7.53
CITY OF HENDERSON	RF.HN42	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	40.84
CITY OF HENDERSON	RF.HN43	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	97.02
CITY OF HENDERSON	RF.HN43	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	20.42
CITY OF HENDERSON	RF.HN43	MSC5027532	06/30/2017	none	07/26/2017	11.29
CITY OF HENDERSON	RF.HN45	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	42.70
CITY OF HENDERSON	RF.HN46	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	21.34
CITY OF HENDERSON	RF.HN47	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	33.70
CITY OF HENDERSON	RF.HN47	MSC5027532	06/30/2017	none	07/26/2017	7.53
CITY OF HENDERSON	RF.HN48	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	16.85
CITY OF HENDERSON	RF.HN48	MSC5027532	06/30/2017	none	07/26/2017	3.76
CITY OF HENDERSON	RF.HN49	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	20.42
CITY OF HENDERSON	RF.HN50	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	16.85
CITY OF HENDERSON	RF.HN50	MSC5027532	06/30/2017	none	07/26/2017	3.76
CITY OF HENDERSON	RF.HN53	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	16.85
CITY OF HENDERSON	RF.HN53	MSC5027532	06/30/2017	none	07/26/2017	3.76
CITY OF HENDERSON	RF.HN54	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	21.34
CITY OF HENDERSON	RF.HN55	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	48.78
CITY OF HENDERSON	RF.HN55	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	21.34
CITY OF HENDERSON	RF.HN55	MSC5027532	06/30/2017	none	07/26/2017	3.76
CITY OF HENDERSON	RF.HN56	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	1,110.42
CITY OF HENDERSON	RF.HN56	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	21.34
CITY OF HENDERSON	RF.HN56	MSC5027532	06/30/2017	none	07/26/2017	1,344.90
CITY OF HENDERSON	RF.HN57	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	21.34
CITY OF HENDERSON	RF.HN58	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	21.34

**Regional Flood Control District
 Monthly Expenditures
 Maintenance Work Program
 7/1/2017 to 7/31/2017**

Fiscal Year- 2017

<u>Vendor</u>	<u>Facility</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>PO Number</u>	<u>Date Paid</u>	<u>Amount</u>
CITY OF HENDERSON	RF.HN59	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	48.78
CITY OF HENDERSON	RF.HN59	MSC5027532	06/30/2017	none	07/26/2017	3.76
CITY OF HENDERSON	RF.HN60	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	48.78
CITY OF HENDERSON	RF.HN60	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	21.34
CITY OF HENDERSON	RF.HN60	MSC5027532	06/30/2017	none	07/26/2017	3.76
CITY OF HENDERSON	RF.HN61	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	27.67
CITY OF HENDERSON	RF.HN61	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	42.70
CITY OF HENDERSON	RF.HN62	MSC5027291	06/15/2017	4500252203 00010	07/05/2017	12,804.30
CITY OF HENDERSON	RF.HN62	MSC5027463	06/30/2017	4500252203 00010	07/19/2017	5,554.07
CITY OF HENDERSON	RF.HN62	MSC5027465A	06/30/2017	4500252203 00010	07/21/2017	133.50
CITY OF LAS VEGAS	RF.LV51	231737	06/30/2017	4500253799 00010	07/20/2017	2,949.10
CITY OF LAS VEGAS	RF.LV51	232657	06/30/2017	4500253799 00010	07/20/2017	2,843.77
CITY OF LAS VEGAS	RF.LV52	231737	06/30/2017	4500253799 00010	07/20/2017	105,910.78
CITY OF LAS VEGAS	RF.LV52	232657	06/30/2017	4500253799 00010	07/20/2017	33,106.23
CITY OF LAS VEGAS	RF.LV54	231737	06/30/2017	4500253799 00010	07/20/2017	17,745.40
CITY OF LAS VEGAS	RF.LV54	232657	06/30/2017	4500253799 00010	07/20/2017	141,562.33
CITY OF LAS VEGAS	RF.LV55	231737	06/30/2017	4500253799 00010	07/20/2017	8,238.29
CITY OF LAS VEGAS	RF.LV55	232657	06/30/2017	4500253799 00010	07/20/2017	15,364.11
CITY OF LAS VEGAS	RF.LV57	231737	06/30/2017	4500253799 00010	07/20/2017	92,457.48
CITY OF LAS VEGAS	RF.LV57	232657	06/30/2017	4500253799 00010	07/20/2017	451,409.33
CITY OF MESQUITE	RF.ME01	PW2017324	07/12/2017	4500250243 00010	07/20/2017	3,424.32
CITY OF MESQUITE	RF.ME02	PW2017324	07/12/2017	4500250243 00010	07/20/2017	12,295.32
CITY OF MESQUITE	RF.ME04	PW2017324	07/12/2017	4500250243 00010	07/20/2017	9,900.14
CITY OF MESQUITE	RF.ME07	PW2017324	07/12/2017	4500250243 00010	07/20/2017	3,686.61
CITY OF MESQUITE	RF.ME08	PW2017324	07/12/2017	4500250243 00010	07/20/2017	71,805.18
CITY OF MESQUITE	RF.ME09	PW2017324	07/12/2017	4500250243 00010	07/20/2017	7,172.20
CITY OF NORTH LAS VEGAS	RF.NL02	352466	07/12/2017	4500251338 00010	07/20/2017	1,485.60
CITY OF NORTH LAS VEGAS	RF.NL03	352466	07/12/2017	4500251338 00010	07/20/2017	396.95
CITY OF NORTH LAS VEGAS	RF.NL04	352466	07/12/2017	4500251338 00010	07/20/2017	63,099.27
CITY OF NORTH LAS VEGAS	RF.NL05	352466	07/12/2017	4500251338 00010	07/20/2017	1,641.96
CITY OF NORTH LAS VEGAS	RF.NL06	352466	07/12/2017	4500251338 00010	07/20/2017	1,522.00
CITY OF NORTH LAS VEGAS	RF.NL07	352466	07/12/2017	4500251338 00010	07/20/2017	4,885.90
CITY OF NORTH LAS VEGAS	RF.NL08	352466	07/12/2017	4500251338 00010	07/20/2017	683.76
CITY OF NORTH LAS VEGAS	RF.NL10	352466	07/12/2017	4500251338 00010	07/20/2017	5,504.83
CITY OF NORTH LAS VEGAS	RF.NL11	352466	07/12/2017	4500251338 00010	07/20/2017	324.16
CITY OF NORTH LAS VEGAS	RF.NL12	352466	07/12/2017	4500251338 00010	07/20/2017	2,492.39
CITY OF NORTH LAS VEGAS	RF.NL13	352466	07/12/2017	4500251338 00010	07/20/2017	6,761.01
CITY OF NORTH LAS VEGAS	RF.NL14	352466	07/12/2017	4500251338 00010	07/20/2017	247.60
CITY OF NORTH LAS VEGAS	RF.NL15	352466	07/12/2017	4500251338 00010	07/20/2017	742.80
CITY OF NORTH LAS VEGAS	RF.NL16	352466	07/12/2017	4500251338 00010	07/20/2017	5,712.71

**Regional Flood Control District
Monthly Expenditures
Maintenance Work Program
7/1/2017 to 7/31/2017**

Fiscal Year - 2017

<u>Vendor</u>	<u>Facility</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>PO Number</u>	<u>Date Paid</u>	<u>Amount</u>
CITY OF NORTH LAS VEGAS	RF.NL17	352466	07/12/2017	4500251338 00010	07/20/2017	396.16
CITY OF NORTH LAS VEGAS	RF.NL19	352466	07/12/2017	4500251338 00010	07/20/2017	17,068.13
L R NELSON CONSULTING EN	RF.HN14	15010A	06/30/2017	4500253302 00010	07/31/2017	9,627.00
PUBLIC WORKS/CC TREAS	RF.CC01	1517153106	06/30/2017	none	07/20/2017	189,566.44
PUBLIC WORKS/CC TREAS	RF.CC02	1517153106	06/30/2017	none	07/20/2017	2,858.23
PUBLIC WORKS/CC TREAS	RF.CC03	1517153106	06/30/2017	none	07/20/2017	95,756.75
PUBLIC WORKS/CC TREAS	RF.CC05	1517153106	06/30/2017	none	07/20/2017	12,592.15
PUBLIC WORKS/CC TREAS	RF.CC06	1517153106	06/30/2017	none	07/20/2017	13,850.78
PUBLIC WORKS/CC TREAS	RF.CC07	1517153106	06/30/2017	none	07/20/2017	7,788.63
PUBLIC WORKS/CC TREAS	RF.CC08	1517153106	06/30/2017	none	07/20/2017	43,430.47
PUBLIC WORKS/CC TREAS	RF.CC09	1517153106	06/30/2017	none	07/20/2017	2,595.36
PUBLIC WORKS/CC TREAS	RF.CC10	1517153106	06/30/2017	none	07/20/2017	9,059.99
PUBLIC WORKS/CC TREAS	RF.CC11	1517153106	06/30/2017	none	07/20/2017	1,614.17
PUBLIC WORKS/CC TREAS	RF.CC14	1517153106	06/30/2017	none	07/20/2017	964.36
PUBLIC WORKS/CC TREAS	RF.CC15	1517153106	06/30/2017	none	07/20/2017	34,033.02
PUBLIC WORKS/CC TREAS	RF.CC16	1517153106	06/30/2017	none	07/20/2017	9,637.88
PUBLIC WORKS/CC TREAS	RF.CC17	1517153106	06/30/2017	none	07/20/2017	160.72
PUBLIC WORKS/CC TREAS	RF.CC18	1517153106	06/30/2017	none	07/20/2017	1,058.77
PUBLIC WORKS/CC TREAS	RF.CC19	1517153106	06/30/2017	none	07/20/2017	476.02
PUBLIC WORKS/CC TREAS	RF.CC20	1517153106	06/30/2017	none	07/20/2017	964.36
PUBLIC WORKS/CC TREAS	RF.CC21	1517153106	06/30/2017	none	07/20/2017	3,295.58
Total Expenditures						\$1,676,536.77

Fiscal Year - 2018

<u>Vendor</u>	<u>Facility</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>PO Number</u>	<u>Date Paid</u>	<u>Amount</u>
PUBLIC WORKS/CC TREAS	RF.CC05	4018000000	07/31/2017	none	07/31/2017	843.48
PUBLIC WORKS/CC TREAS	RF.CC05	4018000003	07/31/2017	none	07/31/2017	843.48
PUBLIC WORKS/CC TREAS	RF.CC05	4018000007	07/31/2017	none	07/31/2017	(843.48)
PUBLIC WORKS/CC TREAS	RF.CC05	4018000008	07/31/2017	none	07/31/2017	(843.48)
PUBLIC WORKS/CC TREAS	RF.CC11	4018000001	07/31/2017	none	07/31/2017	(236,704.96)
PUBLIC WORKS/CC TREAS	RF.CC11	4018000004	07/31/2017	none	07/31/2017	236,704.96
PUBLIC WORKS/CC TREAS	RF.CC11	4018000005	07/31/2017	none	07/31/2017	(473,409.92)
PUBLIC WORKS/CC TREAS	RF.CC11	4018000006	07/31/2017	none	07/31/2017	473,409.92
Total Expenditures						\$0.00
Grand Total						\$1,676,536.77

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

Boulder City

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.BC01	Hemenway Watershed	143,650.00	123,638.36	20,011.64
RF.BC02	Georgia/Buchanan Watershed	126,000.00	112,786.54	13,213.46
RF.BC03	North Railroad Watershed	13,350.00	6,821.53	6,528.47
RF.BC04	West Airport Watershed	17,000.00	5,625.56	11,374.44
		<u>\$300,000.00</u>	<u>\$248,871.99</u>	<u>\$51,128.01</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	678,500.00	545,192.24	133,307.76
RF.CC02	Las Vegas Wash	226,500.00	190,944.46	35,555.54
RF.CC03	Duck Creek	451,500.00	402,627.78	48,872.22
RF.CC05	Las Vegas Range Wash	344,300.00	324,578.22	19,721.78
RF.CC06	Tropicana Wash	270,000.00	138,577.06	131,422.94
RF.CC07	Airport Channel	48,000.00	29,186.94	18,813.06
RF.CC08	Monson Channel	169,700.00	53,287.35	116,412.65
RF.CC09	Rawhide Channel	540,500.00	30,853.75	509,646.25
RF.CC10	Van Buskirk Channel	33,000.00	23,396.01	9,603.99
RF.CC11	Flamingo Wash North Fork	1,054,000.00	288,380.29	765,619.71
RF.CC14	Laughlin Washes	37,000.00	9,894.85	27,105.15
RF.CC15	Moapa Valley	74,500.00	53,002.27	21,497.73
RF.CC16	Blue Diamond Wash	132,000.00	83,137.32	48,862.68
RF.CC17	Searchlight	2,050.00	999.13	1,050.87
RF.CC18	Bunkerville	122,600.00	110,593.21	12,006.79
RF.CC19	Pittman Wash	67,500.00	26,958.15	40,541.85
RF.CC20	Indian Springs	11,050.00	3,027.94	8,022.06
RF.CC21	Northern Beltway Channels	101,000.00	52,493.20	48,506.80
		<u>\$4,363,700.00</u>	<u>\$2,367,130.17</u>	<u>\$1,996,569.83</u>

Henderson

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.HN01	C-1 Channel	227,437.72	227,437.71	0.01
RF.HN02	Greenway Channel	22,393.64	22,393.64	0.00
RF.HN03	Van Wagenen Channel	489.65	489.65	0.00
RF.HN04	Gibson Channel	10,376.42	10,376.42	0.00
RF.HN05	Lower Pittman Channel	16,181.70	16,181.70	0.00
RF.HN06	Upper Pittman Wash	261,151.33	261,151.33	0.00
RF.HN07	UPRR Channel	16,110.47	16,110.47	0.00
RF.HN08	Sandwedge Channel	17,660.54	17,660.54	0.00
RF.HN09	Whitney Ranch Channel	125,839.30	125,839.31	(0.01)
RF.HN10	Duck Creek Channel	4,819.54	4,609.61	209.93
RF.HN11	Mission Hills Detention Basin	22,164.50	22,374.43	(209.93)
RF.HN12	Railroad East Channel	4,450.77	4,450.77	0.00
RF.HN13	MacDonald Ranch Channel	7,912.13	7,912.13	0.00
RF.HN14	Drake Channel	21,068.04	21,027.20	40.84
RF.HN15	I-515 Channel	1,679.45	1,720.29	(40.84)
RF.HN16	Eastern Channel	27,670.45	27,670.45	0.00
RF.HN17	Western Interceptor	82.21	82.21	0.00
RF.HN18	Equestrian Detention Basin	12,854.75	12,854.75	0.00
RF.HN19	Sunridge Channel	9,875.99	9,875.99	0.00
RF.HN20	Pittman Wash Railroad Channel	1,062.41	1,062.41	0.00

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

Henderson

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.HN21	Pittman Park Detention Basin	13,752.98	13,752.98	0.00
RF.HN22	Pittman Wash Burns	2,404.05	2,404.05	0.00
RF.HN24	Pittman Pecos Channel	45,561.37	45,561.37	0.00
RF.HN25	Black Mountain DB	12,987.64	12,987.64	0.00
RF.HN26	East C-1 DB & Berm, Channel-Havre	25,703.37	25,703.37	0.00
RF.HN27	McCullough Hills Det Basin	13,712.53	13,712.53	0.00
RF.HN28	Pioneer Detention Basin	44,821.01	44,793.34	27.67
RF.HN29	Pittman East Det Basin	24,549.23	24,576.90	(27.67)
RF.HN30	Saguaro Park/Downs Channel	656.05	656.05	0.00
RF.HN31	C-1 Channel - US 95	4,909.91	4,909.91	0.00
RF.HN32	C-1 Channel Boulder Highway	857.09	857.09	0.00
RF.HN33	Upper Pittman Wash South	460.25	460.25	0.00
RF.HN34	Pittman Stephanie	2,012.59	2,012.59	0.00
RF.HN35	Pittman Desert Willow	82.46	82.46	0.00
RF.HN36	Pittman Foothills Drive	313.10	313.10	0.00
RF.HN37	Pittman Lake Mead	910.18	910.18	0.00
RF.HN38	Pittman Valle Verde	62.38	62.38	0.00
RF.HN40	Pittman Pioneer Detention	1,191.26	1,191.26	0.00
RF.HN41	Pittman West Horizon	4,312.08	4,312.08	0.00
RF.HN42	Pittman/Anthem Parkway	12,554.22	12,554.22	0.00
RF.HN43	Pittman Horizon Ridge	279.65	279.65	0.00
RF.HN45	Pittman Anthem Channel & DB	11,526.43	11,526.43	0.00
RF.HN46	Pittman Reunion Drive	83.38	83.38	0.00
RF.HN47	Pittman Green Valley	103.27	103.27	0.00
RF.HN48	Pittman Seven Hills	82.65	82.65	0.00
RF.HN49	C-1 Channel US 95 Trib 1	82.21	82.21	0.00
RF.HN50	C-1 Channel Four Kids	7,110.75	7,110.75	0.00
RF.HN53	Lake Las Vegas Magic Way Chnl	279.63	279.63	0.00
RF.HN54	Pittman Hampton Road	83.83	83.83	0.00
RF.HN55	Pittman Anthem Drive	177.07	177.07	0.00
RF.HN56	Pittman Wash Southeast	17,301.54	17,301.54	0.00
RF.HN57	Pittman Wash Wilderness Study	83.83	83.83	0.00
RF.HN58	Pittman Southedge-North	568.24	568.24	0.00
RF.HN59	Pittman Southedge-South	115.03	115.03	0.00
RF.HN60	Pittman Southedge-Anthem	660.26	660.26	0.00
RF.HN61	Pittman East Headworks DB	12,237.26	12,237.26	0.00
RF.HN62	C-1 Channel-Racetrack	68,862.57	68,862.57	0.00
		\$1,142,732.36	\$1,142,732.36	\$0.00

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	50,000.00	40,894.43	9,105.57
RF.LV52	Gowan/Angel Pk/Lone Mtn System	500,000.00	397,065.44	102,934.56
RF.LV53	Lake Mead/Smoke Ranch/Washington S:	5,000.00	0.00	5,000.00
RF.LV54	Las Vegas Wash System	700,000.00	437,274.32	262,725.68
RF.LV55	Meadows/Oakey System	100,000.00	77,193.07	22,806.93
RF.LV56	Washington Ave/LV Creek	20,000.00	0.00	20,000.00
RF.LV57	US95/Outer Beltway/Ann Road System	1,250,000.00	675,287.38	574,712.62
		\$2,625,000.00	\$1,627,714.64	\$997,285.36

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

Mesquite

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.ME01	Mesquite Town Wash	11,636.22	11,636.22	0.00
RF.ME02	Abbott Wash Channel	15,570.11	15,570.11	0.00
RF.ME04	Town Wash Detention Basin	461,294.30	461,294.30	0.00
RF.ME07	Pulsipher Wash	28,261.72	28,261.72	0.00
RF.ME08	Abbott Wash Detention Basin	84,554.20	84,554.20	0.00
RF.ME09	Pulsipher Wash Detention Basin	26,383.45	26,371.67	11.78
		<u>\$627,700.00</u>	<u>\$627,688.22</u>	<u>\$11.78</u>

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	33,034.35	10,672.41	22,361.94
RF.NL02	Las Vegas Wash-Middle	67,988.90	47,986.35	20,002.55
RF.NL03	LV Wash-King Charles Channel	42,071.00	21,877.17	20,193.83
RF.NL04	Vandenberg Detention Basin	426,430.24	401,526.59	24,903.65
RF.NL05	North Las Vegas Detention Basin	21,097.58	3,725.12	17,372.46
RF.NL06	Upper LVW DB & Moccasin Levee	29,500.00	5,922.54	23,577.46
RF.NL07	Carey/Lake Mead Detention Basin	465,519.84	457,191.64	8,328.20
RF.NL08	Gowan Outfall Channel	28,071.00	11,332.87	16,738.13
RF.NL10	Upper Las Vegas Wash	15,000.00	13,885.59	1,114.41
RF.NL11	Clayton Street Channel	35,036.96	20,072.18	14,964.78
RF.NL12	Lower Las Vegas Detention Basin	287,995.79	265,124.06	22,871.73
RF.NL13	West Trib-Ranch House to Lower LV DF	46,754.76	33,640.70	13,114.06
RF.NL14	Trib to Western Trib @ Craig Rd	47,026.62	27,127.47	19,899.15
RF.NL15	Las Vegas Wash-Smoke Ranch	32,071.00	15,563.49	16,507.51
RF.NL16	Upper Las Vegas Wash Channel	63,757.63	57,122.34	6,635.29
RF.NL17	Range Wash-LVW Diversion & Levee	17,812.26	1,320.10	16,492.16
RF.NL18	Cheyenne Peaking Basin	22,030.38	5,208.46	16,821.92
RF.NL19	LVW-Middle, Cheyenne Ave to Owens A	36,301.69	25,105.30	11,196.39
		<u>\$1,717,500.00</u>	<u>\$1,424,404.38</u>	<u>\$293,095.62</u>

	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
Program Totals	<u>\$10,776,632.36</u>	<u>\$7,438,541.76</u>	<u>\$3,338,090.60</u>

**Regional Flood Control District
Maintenance Work Program Status Report- Fiscal Year 2018**

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	0.00	150,000.00
RF.BC02	Georgia/Buchanan Watershed	87,350.00	0.00	87,350.00
RF.BC03	North Railroad Watershed	36,650.00	0.00	36,650.00
RF.BC04	West Airport Watershed	26,000.00	0.00	26,000.00
		<u>\$300,000.00</u>	<u>\$0.00</u>	<u>\$300,000.00</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	976,500.00	0.00	976,500.00
RF.CC02	Las Vegas Wash	311,500.00	0.00	311,500.00
RF.CC03	Duck Creek	419,500.00	0.00	419,500.00
RF.CC05	Las Vegas Range Wash	2,623,300.00	0.00	2,623,300.00
RF.CC06	Tropicana Wash	325,000.00	0.00	325,000.00
RF.CC07	Airport Channel	48,000.00	0.00	48,000.00
RF.CC08	Monson Channel	94,700.00	0.00	94,700.00
RF.CC09	Rawhide Channel	89,000.00	0.00	89,000.00
RF.CC10	Van Buskirk Channel	20,000.00	0.00	20,000.00
RF.CC11	Flamingo Wash North Fork	43,000.00	0.00	43,000.00
RF.CC14	Laughlin Washes	35,000.00	0.00	35,000.00
RF.CC15	Moapa Valley	218,500.00	0.00	218,500.00
RF.CC16	Blue Diamond Wash	147,000.00	0.00	147,000.00
RF.CC17	Searchlight	2,000.00	0.00	2,000.00
RF.CC18	Bunkerville	12,700.00	0.00	12,700.00
RF.CC19	Pittman Wash	42,500.00	0.00	42,500.00
RF.CC20	Indian Springs	9,000.00	0.00	9,000.00
RF.CC21	Northern Beltway Channels	70,000.00	0.00	70,000.00
		<u>\$5,487,200.00</u>	<u>\$0.00</u>	<u>\$5,487,200.00</u>

Henderson

<u>Facility</u>	<u>Facility Name</u>	<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
RF.HN65	C1 North	593,600.00	677.19	592,922.81
RF.HN66	C1 South	673,550.00	451.46	673,098.54
RF.HN67	Pittman Central NE	50,300.00	225.73	50,074.27
RF.HN68	Pittman Central SE	12,400.00	0.00	12,400.00
RF.HN69	Pittman Central NW	280,000.00	225.73	279,774.27
RF.HN70	Pittman Central SW	18,000.00	0.00	18,000.00
RF.HN71	Pittman Anthem Inspirada	53,400.00	451.46	52,948.54
RF.HN72	Pittman Seven Hills	76,000.00	451.46	75,548.54
RF.HN73	Pittman West Henderson	4,300.00	0.00	4,300.00
		<u>\$1,761,550.00</u>	<u>\$2,483.03</u>	<u>\$1,759,066.97</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	50,000.00	0.00	50,000.00
RF.LV52	Gowan/Angel Pk/Lone Mtn System	600,000.00	0.00	600,000.00
RF.LV53	Lake Mead/Smoke Ranch/Washington S	50,000.00	0.00	50,000.00
RF.LV54	Las Vegas Wash System	700,000.00	0.00	700,000.00
RF.LV55	Meadows/Oakey System	100,000.00	0.00	100,000.00
RF.LV56	Washington Ave/LV Creek	225,000.00	0.00	225,000.00
RF.LV57	US95/Outer Beltway/Ann Road System	1,100,000.00	0.00	1,100,000.00

**Regional Flood Control District
Maintenance Work Program Status Report- Fiscal Year 2018**

		<u>\$2,825,000.00</u>	<u>\$0.00</u>	<u>\$2,825,000.00</u>
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	0.00	19,000.00
RF.ME02	Abbott Wash Channel	14,300.00	0.00	14,300.00
RF.ME04	Town Wash Detention Basin	202,400.00	0.00	202,400.00
RF.ME07	Pulsipher Wash	29,400.00	0.00	29,400.00
RF.ME08	Abbott Wash Detention Basin	40,000.00	0.00	40,000.00
RF.ME09	Pulsipher Wash Detention Basin	29,700.00	0.00	29,700.00
		<u>\$334,800.00</u>	<u>\$0.00</u>	<u>\$334,800.00</u>
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	77,575.00	0.00	77,575.00
RF.NL02	Las Vegas Wash-Middle	152,571.00	0.00	152,571.00
RF.NL03	LV Wash-King Charles Channel	57,071.00	0.00	57,071.00
RF.NL04	Vandenberg Detention Basin	102,071.00	0.00	102,071.00
RF.NL05	North Las Vegas Detention Basin	177,500.00	0.00	177,500.00
RF.NL06	Upper LVW DB & Moccasin Levee	151,500.00	0.00	151,500.00
RF.NL07	Carey/Lake Mead Detention Basin	103,071.00	0.00	103,071.00
RF.NL08	Gowan Outfall Channel	61,571.00	0.00	61,571.00
RF.NL10	Upper Las Vegas Wash	23,000.00	0.00	23,000.00
RF.NL11	Clayton Street Channel	52,571.00	0.00	52,571.00
RF.NL12	Lower Las Vegas Detention Basin	94,071.00	0.00	94,071.00
RF.NL13	West Trib-Ranch House to Lower LV DE	58,071.00	0.00	58,071.00
RF.NL14	Trib to Western Trib @ Craig Rd	54,571.00	0.00	54,571.00
RF.NL15	Las Vegas Wash-Smoke Ranch	50,571.00	0.00	50,571.00
RF.NL16	Upper Las Vegas Wash Channel	95,071.00	0.00	95,071.00
RF.NL17	Range Wash-LVW Diversion & Levee	162,000.00	0.00	162,000.00
RF.NL18	Cheyenne Peaking Basin	68,071.00	0.00	68,071.00
RF.NL19	LVW-Middle, Cheyenne Ave to Owens /	176,573.00	0.00	176,573.00
		<u>\$1,717,500.00</u>	<u>\$0.00</u>	<u>\$1,717,500.00</u>
		<u>Budget</u>	<u>Amount Spent</u>	<u>Amount Remaining</u>
Program Totals		<u>\$12,426,050.00</u>	<u>\$2,483.03</u>	<u>\$12,423,566.97</u>

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

BEGINNING CASH BALANCE	14,019,092.26	
Accruals/Adjustments	<u>16,147.87</u>	
 TOTAL BEGINNING CASH BALANCE		 \$14,035,240.13
 REVENUES:		
Interest Income	21,082.64	
Fund 2860 - Transfer In Debt Service	3,307,317.73	
Bonds Issued	0.00	
Premium on Bonds Issued	0.00	
Miscellaneous Other Revenue	0.00	
Accruals/Adjustments		
Miscellaneous Accruals/Adjustments	<u>0.00</u>	
 TOTAL MONTHLY REVENUES		 \$3,328,400.37
 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>\$17,363,640.50</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
 JULY 2017**

BEGINNING CASH BALANCE:

Cash in Custody of Treasurer	113,639,732.11
Custodial Account Cash Balance	30,358,385.41
Accruals/Adjustments	<u>506,752.86</u>

TOTAL BEGINNING CASH BALANCE **\$144,504,870.38**

REVENUES:

Fund 2860 - Transfer In Budgeted Transfer	0.00
Fund 3300 - Transfer In Bond Proceeds	0.00
Custodial Account - Transfer In to Treasurer	0.00
Interest Earnings	137,432.88
Custodial Account Interest Earnings	0.00
Proceeds from Bonds and Loans	0.00
Miscellaneous Other Revenue	0.00
Accruals/Adjustments	
Miscellaneous Accruals/Adjustments	<u>0.00</u>

TOTAL MONTHLY REVENUES **\$137,432.88**

EXPENDITURES:

Capital Improvement Program	(4,315,984.43)
Professional Services	0.00
Project Reimbursements	0.00
Fund 2860 - Transfer Out Interest Earnings	(121,241.60)
Fund 2860 - Transfer Out ILA Closeout/Reductions	0.00
Custodial Account - Transfer Out to Treasurer	0.00
Accruals/Adjustments	
Contracts Retention Payable	10,363.41
Contracts Retention Interest Payable	0.00
Accounts Payable	(332,054.76)
Miscellaneous Accruals/Adjustments	<u>0.00</u>

TOTAL MONTHLY EXPENDITURES **(\$4,758,917.38)**

ENDING CASH BALANCE:

Cash in Custody of Treasurer	109,146,326.82
Custodial Account Cash Balance	<u>30,737,059.06</u>

ENDING CASH BALANCE: **\$139,883,385.88**

**Regional Flood Control District
Monthly Expenditures
Capital Improvement Program
7/1/2017 to 7/31/2017**

Fund 4430

Fiscal Year- 2017

<u>Vendor</u>	<u>Project</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>PO Number</u>	<u>Date Paid</u>	<u>Amount</u>
CH2M HILL ENGINEERS IN	RF.HEN05E09	38110531513	05/12/2017	4800006548 00030	07/10/2017	5,843.08
CH2M HILL ENGINEERS IN	RF.HEN05E09	38111006413	06/26/2017	4800006548 00030	07/10/2017	148.09
CH2M HILL ENGINEERS IN	RF.HEN05E09	38111205013	07/13/2017	4800006548 00030	07/25/2017	750.00
CH2M HILL ENGINEERS IN	RF.HEN12I09	38111006423	06/26/2017	4800006549 00030	07/10/2017	5,183.82
CITY OF BOULDER CITY	RF.BOU01C10	1549	07/10/2017	4800002792 00010	07/20/2017	48,816.77
CITY OF BOULDER CITY	RF.BOU05J10	1548	07/10/2017	4800002791 00010	07/20/2017	39,315.10
CITY OF HENDERSON	RF.HEN05E09	MSC5027472A	06/30/2017	4800002768 00010	07/21/2017	2,408.36
CITY OF HENDERSON	RF.HEN05E09	MSC5027472B	06/30/2017	none	07/21/2017	3,363.14
CITY OF HENDERSON	RF.HEN06H09	MSC5027471	06/30/2017	4800002480 00010	07/19/2017	86.08
CITY OF HENDERSON	RF.HEN12I09	MSC5027468	06/30/2017	4800002400 00010	07/19/2017	86.08
CITY OF HENDERSON	RF.HEN12J16	MSC5027467	06/30/2017	4800007530 00010	07/20/2017	7,622.51
CITY OF HENDERSON	RF.HEN16A01	MSC5027466	06/30/2017	4800001182 00010	07/19/2017	1,007.39
CITY OF HENDERSON	RF.HEN16E15	MSC5027473	06/30/2017	4800007841 00010	07/19/2017	4,521.99
CITY OF HENDERSON	RF.HEN23A09	MSC5027469	06/30/2017	4800002478 00010	07/19/2017	86.08
CITY OF LAS VEGAS	RF.LAS14C11	231858	06/30/2017	4800004218 00010	07/20/2017	2,068.66
CITY OF LAS VEGAS	RF.LAS14C11	232677	06/30/2017	4800004218 00010	07/20/2017	1,302.09
CITY OF LAS VEGAS	RF.LAS14D14	232077	06/30/2017	4800006033 00020	07/20/2017	5,666.24
CITY OF LAS VEGAS	RF.LAS14D14	232757	06/30/2017	4800006033 00020	07/20/2017	6,043.99
CITY OF LAS VEGAS	RF.LAS16P15	232377	06/30/2017	4800007389 00010	07/20/2017	1,314.00
CITY OF LAS VEGAS	RF.LAS16P15	232857	06/30/2017	4800007389 00010	07/20/2017	49,177.91
CITY OF LAS VEGAS	RF.LAS22S13	231997	06/30/2017	4800005745 00020	07/20/2017	1,620.14
CITY OF LAS VEGAS	RF.LAS22S13	232717	06/30/2017	4800005745 00020	07/20/2017	2,412.51
CITY OF LAS VEGAS	RF.LAS23F14	232277	06/30/2017	4800006571 00020	07/20/2017	405.85
CITY OF LAS VEGAS	RF.LAS23F14	232777	06/30/2017	4800006571 00020	07/20/2017	162.71
CITY OF LAS VEGAS	RF.LAS23G15	232477	06/30/2017	4800007191 00010	07/20/2017	40,551.77
CITY OF LAS VEGAS	RF.LAS23G15	232897	06/30/2017	4800007191 00010	07/20/2017	15,908.45
CITY OF LAS VEGAS	RF.LAS23H15	232337	06/30/2017	4800007390 00010	07/20/2017	90,790.97
CITY OF LAS VEGAS	RF.LAS23H15	232797	06/30/2017	4800007390 00010	07/20/2017	52,762.71
CITY OF LAS VEGAS	RF.LAS24H13	232017	06/30/2017	4800005747 00020	07/20/2017	1,375.25
CITY OF LAS VEGAS	RF.LAS24H13	232737	06/30/2017	4800005747 00020	07/20/2017	21,528.91
CITY OF LAS VEGAS	RF.LAS24I15	232357	06/30/2017	4800007188 00010	07/20/2017	2,630.35
CITY OF LAS VEGAS	RF.LAS24I15	232837	06/30/2017	4800007188 00010	07/20/2017	1,543.97
CITY OF LAS VEGAS	RF.LAS24J15	232437	06/30/2017	4800007189 00010	07/20/2017	9,810.50
CITY OF LAS VEGAS	RF.LAS24J15	232877	06/30/2017	4800007189 00010	07/20/2017	22,225.32
CITY OF LAS VEGAS	RF.LAS28C12	231937	06/30/2017	4800005013 00010	07/20/2017	3,332.00
CITY OF LAS VEGAS	RF.LAS28C12	232697	06/30/2017	4800005013 00010	07/20/2017	1,970.27
CITY OF LAS VEGAS	RF.LAS29B15	232338	06/30/2017	4800007391 00010	07/20/2017	67,581.83
CITY OF LAS VEGAS	RF.LAS29B15	232817	06/30/2017	4800007391 00010	07/20/2017	161,370.59
CITY OF LAS VEGAS	RF.LAS29C16	231557	06/30/2017	4500255470 00010	07/20/2017	646.50
CITY OF LAS VEGAS	RF.LAS29C16	232637	06/30/2017	4500255470 00010	07/20/2017	47,792.61
CITY OF MESQUITE	RF.MES04A15	PW2017325	07/14/2017	4800007392 00030	07/20/2017	27,304.92
CITY OF NORTH LAS VEGA	RF.NLV01H13	8284A	07/11/2017	4800006068 00010	07/20/2017	440.00
CITY OF NORTH LAS VEGA	RF.NLV01I14	8280A	07/11/2017	4800006072 00020	07/20/2017	31,343.41
CITY OF NORTH LAS VEGA	RF.NLV01J15	8310	07/13/2017	4800007359 00010	07/20/2017	206,677.23
CITY OF NORTH LAS VEGA	RF.NLV03E13	8283A	07/11/2017	4800006067 00030	07/20/2017	66,953.80

**Regional Flood Control District
Monthly Expenditures
Capital Improvement Program
7/1/2017 to 7/31/2017**

Fund 4430

Fiscal Year - 2017

<u>Vendor</u>	<u>Project</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>PO Number</u>	<u>Date Paid</u>	<u>Amount</u>
CITY OF NORTH LAS VEGAS	RF.NLV03F17	8290	07/11/2017	4800008161 00010	07/20/2017	6,831.08
CITY OF NORTH LAS VEGAS	RF.NLV03G17	8289	07/11/2017	4800008160 00010	07/20/2017	2,582.34
CITY OF NORTH LAS VEGAS	RF.NLV04K17	8291A	07/11/2017	4800008195 00010	07/20/2017	1,024.97
CITY OF NORTH LAS VEGAS	RF.NLV09E11	8279A	07/11/2017	4800004139 00030	07/20/2017	47,724.50
CITY OF NORTH LAS VEGAS	RF.NLV09I13	8282A	07/11/2017	4800006141 00030	07/20/2017	25,982.63
CITY OF NORTH LAS VEGAS	RF.NLV17C16	8288A	07/11/2017	4800007933 00010	07/20/2017	885.58
CITY OF NORTH LAS VEGAS	RF.NLV18F13	8286A	07/11/2017	4800006034 00010	07/25/2017	23,169.41
CITY OF NORTH LAS VEGAS	RF.NLV18H14	8281A	07/11/2017	4800006604 00020	07/20/2017	1,398.17
CITY OF NORTH LAS VEGAS	RF.NLV18I16	8287A	07/11/2017	4800008159 00020	07/25/2017	1,177,570.53
LAS VEGAS PAVING CORP	RF.HEN16E15	HEN16E15#5	06/30/2017	4800007868 00010	07/18/2017	150,009.30
TARGET CONSTRUCTION I	RF.HEN12J16	HEN12J16#8	06/30/2017	4800007799 00010	07/20/2017	57,258.85
VTN NEVADA	RF.HEN16A01	7520#44	07/05/2017	4800006059 00040	07/17/2017	7,275.85

Fiscal Year Total \$2,565,667.16

Fiscal Year - 2018

<u>Vendor</u>	<u>Project</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>PO Number</u>	<u>Date Paid</u>	<u>Amount</u>
PUBLIC WORKS/CC TREAS	RF.CLA04E99	1518000497	07/03/2017	none	07/03/2017	1,564.57
PUBLIC WORKS/CC TREAS	RF.CLA08T14	1518003397	07/12/2017	none	07/12/2017	744.70
PUBLIC WORKS/CC TREAS	RF.CLA08T14	1518004082	07/13/2017	none	07/13/2017	7,730.05
PUBLIC WORKS/CC TREAS	RF.CLA08T14	1518004940	07/14/2017	none	07/14/2017	46,387.44
PUBLIC WORKS/CC TREAS	RF.CLA08T14	1518004941	07/14/2017	none	07/14/2017	20,688.50
PUBLIC WORKS/CC TREAS	RF.CLA15E13	1518003365	07/12/2017	none	07/12/2017	1,253.68
PUBLIC WORKS/CC TREAS	RF.CLA15E13	1518003366	07/12/2017	none	07/12/2017	794.40
PUBLIC WORKS/CC TREAS	RF.CLA15E13	1518003393	07/12/2017	none	07/12/2017	397.20
PUBLIC WORKS/CC TREAS	RF.CLA15E13	1518003394	07/12/2017	none	07/12/2017	1,567.10
PUBLIC WORKS/CC TREAS	RF.CLA15E13	1518004109	07/13/2017	none	07/19/2017	96,807.52
PUBLIC WORKS/CC TREAS	RF.CLA15E13	1518004110	07/13/2017	none	07/13/2017	105,398.60
PUBLIC WORKS/CC TREAS	RF.CLA15E13	1518004113	07/13/2017	none	07/13/2017	130,252.97
PUBLIC WORKS/CC TREAS	RF.CLA27C08	1518001578	07/07/2017	none	07/07/2017	4,713.72
PUBLIC WORKS/CC TREAS	RF.LAU04A08	1518001574	07/07/2017	none	07/07/2017	7,893.54
PUBLIC WORKS/CC TREAS	RF.MOA01H15	1518004112	07/13/2017	none	07/13/2017	1,324,123.28

Fiscal Year Total \$1,750,317.27

Fund Total \$4,315,984.43

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

BEGINNING CASH BALANCE:	19,237,459.59	
Accruals/Adjustments	<u>22,160.83</u>	
TOTAL BEGINNING CASH BALANCE		\$19,259,620.42
REVENUES:		
Interest Income	23,563.24	
Proceeds from Bonds and Loans	0.00	
Other	<u>0.00</u>	
TOTAL MONTHLY REVENUES		\$23,563.24
EXPENDITURES:		
Capital Improvement Program	(138,647.68)	
Professional Services	0.00	
Project Reimbursements	0.00	
Fund 4430 - Transfer Out Reallocated Expenses	0.00	
Accruals/Adjustments		
Contracts Retention Payable	0.00	
Contracts Retention Interest Payable	0.00	
Accounts Payable	0.00	
Miscellaneous Accruals/Adjustments	<u>0.00</u>	
TOTAL MONTHLY EXPENDITURES		<u>(\$138,647.68)</u>
ENDING CASH BALANCE:		<u><u>\$19,144,535.98</u></u>

**Regional Flood Control District
 Monthly Expenditures
 Capital Improvement Program
 7/1/2017 to 7/31/2017**

Fund 4440

Fiscal Year - 2017

<u>Vendor</u>	<u>Project</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>PO Number</u>	<u>Date Paid</u>	<u>Amount</u>
CITY OF HENDERSON	RF.HEN23B16	MSC5027470	06/30/2017	4800008134 00010	07/19/2017	487.28
Fiscal Year Total						\$487.28

Fiscal Year - 2018

<u>Vendor</u>	<u>Project</u>	<u>Invoice No.</u>	<u>Inv. Date</u>	<u>PO Number</u>	<u>Date Paid</u>	<u>Amount</u>
PUBLIC WORKS/CC TREAS	RF.CLA27D13	1518001031	07/06/2017	none	07/06/2017	133,397.60
PUBLIC WORKS/CC TREAS	RF.CLA27D13	1518004105	07/13/2017	none	07/13/2017	4,762.80
Fiscal Year Total						\$138,160.40
Fund Total						\$138,647.68

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Boulder City

RF.BOU01C10

Hemenway System, Phase II Improvements

Interlocal Amount \$745,000.00

Original Funding Date 02/11/2010

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	\$568,792.34	\$161,207.66
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	\$576,519.01	\$168,480.99

RF.BOU01D17

Hemenway System, Phase IIA Improvements

Interlocal Amount \$2,222,694.00

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	\$2,047,694.00	\$0.00	\$2,047,694.00
Const Engineering	\$175,000.00	\$0.00	\$175,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,222,694.00	\$0.00	\$2,222,694.00

RF.BOU05J10

North Railroad Conveyance

Interlocal Amount \$530,000.00

Original Funding Date 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	\$493,732.86	\$21,267.14
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	\$501,459.53	\$28,540.47

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County

RF.CLA04E99

Flamingo Wash, McLeod Dr to Maryland PKWY

Interlocal Amount \$2,980,000.00

Original Funding Date 08/12/1999

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$741,500.00	\$637,505.24	\$103,994.76
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,877,500.00	\$1,482,341.76	\$395,158.24
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	\$2,452,884.16	\$527,115.84

RF.CLA08Q13

Duck Creek at Dean Martin

Interlocal Amount \$480,000.00

Original Funding Date 09/12/2013

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$190,500.00	\$23,607.41	\$166,892.59
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$274,000.00	\$245,681.24	\$28,318.76
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	\$280,153.65	\$199,846.35

RF.CLA08R13

Duck Creek, Las Vegas Boulevard

Interlocal Amount \$485,000.00

Original Funding Date 09/12/2013

Expiration Date 06/30/2018

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

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County

RF.CLA08S13

Silverado Ranch Detention Basin and Outfall Facilities

Interlocal Amount \$1,370,000.00

Original Funding Date 09/12/2013

Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$31,000.00	\$5,589.10	\$25,410.90
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,248,000.00	\$394,922.07	\$853,077.93
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$81,000.00	\$22,072.96	\$58,927.04
Other	\$10,000.00	\$0.00	\$10,000.00
Total	\$1,370,000.00	\$422,584.13	\$947,415.87

RF.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	\$0.00	\$3,472,857.00
Const Engineering	\$314,500.00	\$0.00	\$314,500.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$3,787,357.00	\$0.00	\$3,787,357.00

RF.CLA10F10

Flamingo Wash, Industrial Road to Hotel Rio Drive

Interlocal Amount \$46,000.00

Original Funding Date 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

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County

RF.CLA10H13

**Airport Channel - Naples
Interlocal Amount \$600,000.00**

**Original Funding Date 09/12/2013
Expiration Date 06/30/2018**

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$1,088.00	\$912.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$579,000.00	\$220,971.01	\$358,028.99
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$19,000.00	\$0.00	\$19,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$600,000.00	\$222,059.01	\$377,940.99

RF.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	\$5,291,000.00	\$4,538,056.66	\$752,943.34
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$220,000.00	\$91,122.24	\$128,877.76
Other	\$589,000.00	\$488,442.91	\$100,557.09
Total	\$6,122,000.00	\$5,127,174.05	\$994,825.95

RF.CLA21A00

**Orchard Detention Basin
Interlocal Amount \$1,674,700.00**

**Original Funding Date 07/13/2000
Expiration Date 06/30/2021**

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$428,000.00	\$382,123.56	\$45,876.44
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$973,000.00	\$773,632.25	\$199,367.75
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$251,900.00	\$150,188.32	\$101,711.68
Other	\$21,800.00	\$20,081.83	\$1,718.17
Total	\$1,674,700.00	\$1,326,025.96	\$348,674.04

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County

RF.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	\$762,374.39	\$134,625.61
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	\$38,548.22	\$51,451.78
Total	\$1,030,000.00	\$821,235.00	\$208,765.00

RF.CLD19A17

Katie Avenue Storm Drain - Local Drainage Improvements

Interlocal Amount \$994,016.50

Original Funding Date 07/13/2017

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$994,016.50	\$0.00	\$994,016.50
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$994,016.50	\$0.00	\$994,016.50

RF.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	\$0.00	\$2,330,000.00
Const Engineering	\$200,000.00	\$0.00	\$200,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,530,000.00	\$0.00	\$2,530,000.00

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County Outlying

RF.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	\$94,000.00	\$32,052.15	\$61,947.85
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$655,000.00	\$595,571.05	\$59,428.95
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$124,000.00	\$115,797.47	\$8,202.53
Other	\$7,000.00	\$0.00	\$7,000.00
Total	\$880,000.00	\$743,420.67	\$136,579.33

RF.GSP01B10

Goodsprings - Phase I

Interlocal Amount \$83,400.00

Original Funding Date 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

RF.LAU04A08

SR 163 at Casino Drive

Interlocal Amount \$473,500.00

Original Funding Date 10/09/2008

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$11,500.00	\$3,643.86	\$7,856.14
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$386,500.00	\$305,865.77	\$80,634.23
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$75,500.00	\$59,700.61	\$15,799.39
Other	\$0.00	\$0.00	\$0.00
Total	\$473,500.00	\$369,210.24	\$104,289.76

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County Outlying

RF.MOA01B89

Muddy River West Levee, Moapa Valley

Interlocal Amount \$13,501,000.00

Original Funding Date 05/11/1989

Expiration Date 06/30/2021

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

RF.MOA01F10

Muddy River Logandale Levee

Interlocal Amount \$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	\$580,500.00	\$475,182.92	\$105,317.08
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$970,000.00	\$742,221.93	\$227,778.07
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$103,500.00	\$64,883.35	\$38,616.65
Other	\$99,000.00	\$53,490.00	\$45,510.00
Total	\$1,753,000.00	\$1,335,778.20	\$417,221.80

RF.MOA01H15

Muddy River Logandale Levee

Interlocal Amount \$7,200,000.00

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	\$6,800,000.00	\$4,303,820.87	\$2,496,179.13
Const Engineering	\$400,000.00	\$20,662.00	\$379,338.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$7,200,000.00	\$4,324,482.87	\$2,875,517.13

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Clark County Outlying

RF.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	\$25,500.00	\$22,331.30	\$3,168.70
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$749,000.00	\$376,167.69	\$372,832.31
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	\$544,864.40	\$419,135.60

RF.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	\$30,882.44	\$106,117.56
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$500.00	\$0.00	\$500.00
Other	\$0.00	\$0.00	\$0.00
Total	\$138,000.00	\$30,882.44	\$107,117.56

ENTITY: COE/Clark County

RF.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	\$25,901,377.25	\$944,838.79
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$9,413,131.96	\$9,362,696.71	\$50,435.25
Total	\$36,259,348.00	\$35,264,073.96	\$995,274.04

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Henderson

RF.HEN01H09

Pittman Wash, Duck Creek at I-515

Interlocal Amount \$402,705.00

Original Funding Date 07/09/2009

Expiration Date 12/31/2017

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

RF.HEN01I14

Pittman Wash, Duck Creek at I-515

Interlocal Amount \$2,489,875.00

Original Funding Date 12/11/2014

Expiration Date 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,303,585.00	\$2,271,138.50	\$32,446.50
Const Engineering	\$186,290.00	\$23,906.47	\$162,383.53
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,489,875.00	\$2,295,044.97	\$194,830.03

RF.HEN04P09

Racetrack Channel, Drake to Burkholder

Interlocal Amount \$247,099.00

Original Funding Date 12/10/2009

Expiration Date 06/30/2017

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

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Henderson

RFHEN04Q15

Racetrack Channel, Drake to Burkholder

Interlocal Amount \$1,037,650.00

Original Funding Date 07/09/2015

Expiration Date 06/30/2017

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$903,650.00	\$774,429.61	\$129,220.39
Const Engineering	\$134,000.00	\$59,518.85	\$74,481.15
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,037,650.00	\$833,948.46	\$203,701.54

RFHEN05E09

Pittman, Horizon Ridge Detention Basin

Interlocal Amount \$727,285.00

Original Funding Date 12/10/2009

Expiration Date 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$99,004.00	\$49,003.78	\$50,000.22
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$529,802.00	\$484,110.33	\$45,691.67
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$88,479.00	\$88,478.17	\$0.83
Other	\$10,000.00	\$0.00	\$10,000.00
Total	\$727,285.00	\$621,592.28	\$105,692.72

RFHEN06H09

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	\$269,153.87	\$16,082.13
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$12,818.00	\$12,818.00	\$0.00
Other	\$19,730.00	\$0.00	\$19,730.00
Total	\$346,797.00	\$310,984.87	\$35,812.13

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Henderson

RF.HEN12I09

Pittman, West Horizon - Palm Hills

Interlocal Amount \$275,078.00

Original Funding Date 07/09/2009

Expiration Date 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$22,708.00	\$22,707.77	\$0.23
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$209,643.00	\$159,374.23	\$50,268.77
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$42,727.00	\$41,126.66	\$1,600.34
Other	\$0.00	\$0.00	\$0.00
Total	\$275,078.00	\$223,208.66	\$51,869.34

RF.HEN16A01

Pittman North Detention Basin & Outfall

Interlocal Amount \$2,181,514.00

Original Funding Date 07/12/2001

Expiration Date 12/31/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$122,389.00	\$108,800.68	\$13,588.32
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,556,327.00	\$1,429,605.62	\$126,721.38
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$424,281.00	\$381,750.35	\$42,530.65
Other	\$78,517.00	\$43,101.27	\$35,415.73
Total	\$2,181,514.00	\$1,963,257.92	\$218,256.08

RF.HEN16D15

Pittman North Detention Basin and Outfall, Phase 1

Interlocal Amount \$4,342,105.00

Original Funding Date 01/08/2015

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$3,818,100.00	\$3,401,707.03	\$416,392.97
Const Engineering	\$524,005.00	\$57,209.28	\$466,795.72
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$4,342,105.00	\$3,458,916.31	\$883,188.69

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Henderson

RF.HEN16E15

Pittman North DB & Outfall, Phase II - Starr Avenue

Interlocal Amount \$2,000,321.00

Original Funding Date 10/08/2015

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$1,852,096.00	\$1,744,690.11	\$107,405.89
Const Engineering	\$148,225.00	\$34,971.68	\$113,253.32
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,000,321.00	\$1,779,661.79	\$220,659.21

RF.HEN16F17

Pittman North Detention Basin & Outfall, Phase III

Interlocal Amount \$19,669,494.00

Original Funding Date 07/13/2017

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	\$18,669,494.00	\$0.00	\$18,669,494.00
Const Engineering	\$1,000,000.00	\$0.00	\$1,000,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$19,669,494.00	\$0.00	\$19,669,494.00

RF.HEN22A09

Anthem Pkwy Channel, Horizon Ridge to Sienna Heights

Interlocal Amount \$179,474.00

Original Funding Date 07/09/2009

Expiration Date 12/31/2017

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

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Henderson

RF.HEN23A09

**Center Street Storm Drain
Interlocal Amount \$584,255.00**

**Original Funding Date 08/13/2009
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	\$521,346.18	\$27,508.82
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	\$556,746.18	\$27,508.82

RF.HEN24A11

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

**Original Funding Date 07/14/2011
Expiration Date 12/31/2017**

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

ENTITY: Las Vegas

REFLAS14C11

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

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

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$5,000.00	\$965.23	\$4,034.77
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$988,510.00	\$951,891.99	\$36,618.01
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$998,510.00	\$952,857.22	\$45,652.78

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RFLAS16L11

Rancho Road System - Elkhorn, Ft Apache to Grand Canyon

Interlocal Amount \$400,000.00

Original Funding Date 07/14/2011

Expiration Date 12/30/2017

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

RFLAS16O13

Rancho Rd System-Elkhorn, Fort Apache to Grand Canyon

Interlocal Amount \$2,358,400.00

Original Funding Date 12/12/2013

Expiration Date 01/01/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,174,100.00	\$2,019,620.77	\$154,479.23
Const Engineering	\$184,300.00	\$152,353.70	\$31,946.30
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,358,400.00	\$2,171,974.47	\$186,425.53

RFLAS16P15

Rancho Road System - Elkhorn, Grand Canyon to Hualapai

Interlocal Amount \$554,000.00

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	\$550,000.00	\$69,973.41	\$480,026.59
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$2,000.00	\$0.00	\$2,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$554,000.00	\$69,973.41	\$484,026.59

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.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	\$382,627.94	\$147,737.06
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	\$382,627.94	\$150,737.06

RF.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	\$0.00	\$4,600,000.00
Const Engineering	\$300,700.00	\$119.12	\$300,580.88
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$4,900,700.00	\$119.12	\$4,900,580.88

RF.LAS23E13

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

Interlocal Amount \$1,070,687.00

Original Funding Date 07/11/2013

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	\$793,542.81	\$270,144.19
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,070,687.00	\$794,147.19	\$276,539.81

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.LAS23F14

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

Original Funding Date 11/13/2014
Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$12,800,000.00	\$10,120,636.63	\$2,679,363.37
Const Engineering	\$1,100,000.00	\$55,880.58	\$1,044,119.42
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$13,900,000.00	\$10,176,517.21	\$3,723,482.79

RF.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	\$680,112.78	\$573,358.22
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	\$680,112.78	\$581,358.22

RF.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	\$466,429.87	\$514,801.13
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	\$466,429.87	\$518,801.13

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.LAS23I17

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

Original Funding Date 03/09/2017
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	\$26,903,054.00	\$0.00	\$26,903,054.00
Const Engineering	\$1,810,309.00	\$0.00	\$1,810,309.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$28,713,363.00	\$0.00	\$28,713,363.00

RF.LAS24E07

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

Original Funding Date 07/12/2007
Expiration Date 06/30/2018

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

RF.LAS24H13

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

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

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$30,000.00	\$6,200.00	\$23,800.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$960,000.00	\$776,306.31	\$183,693.69
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	\$992,000.00	\$782,506.31	\$209,493.69

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RFLAS24I15

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	\$187,259.10	\$512,740.90
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	\$187,259.10	\$516,740.90

RFLAS24J15

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	\$460,321.38	\$321,156.62
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	\$460,321.38	\$325,156.62

RFLAS24K17

Gowan North-Buffalo Branch, Lone Mtn to Washburn Rd

Interlocal Amount \$9,033,142.00

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	\$8,442,189.00	\$0.00	\$8,442,189.00
Const Engineering	\$590,953.00	\$0.00	\$590,953.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$9,033,142.00	\$0.00	\$9,033,142.00

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

REF.LAS24L17

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

Interlocal Amount \$561,670.00

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	\$557,670.00	\$0.00	\$557,670.00
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	\$561,670.00	\$0.00	\$561,670.00

REF.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

REF.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	\$70,008.44	\$39,991.56
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	\$70,008.44	\$39,991.56

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RF.LAS29B15

Flamingo-Boulder HWY N-Boulder HWY Sahara to Charleston

Interlocal Amount \$1,226,003.00

Original Funding Date 12/10/2015

Expiration Date 12/31/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$4,000.00	\$0.00	\$4,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,218,003.00	\$840,514.64	\$377,488.36
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$4,000.00	\$0.00	\$4,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,226,003.00	\$840,514.64	\$385,488.36

RF.LAS29C16

Flamingo-Bldr Hwy, N Charleston-Maryland Pkwy System

Interlocal Amount \$1,215,549.00

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	\$1,205,549.00	\$52,204.61	\$1,153,344.39
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$5,000.00	\$0.00	\$5,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,215,549.00	\$52,204.61	\$1,163,344.39

RF.LAS29D17

Flamingo-Boulder Hwy North, Charleston, Main to Maryland

Interlocal Amount \$325,192.00

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	\$321,192.00	\$0.00	\$321,192.00
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	\$325,192.00	\$0.00	\$325,192.00

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: Las Vegas

RFLAS30A13

**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

RFLLD10B13

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

**Original Funding Date 07/11/2013
Expiration Date 12/30/2017**

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

ENTITY: Mesquite

RF.MES04A15

**Virgin River Flood Wall
Interlocal Amount \$517,000.00**

**Original Funding Date 11/12/2015
Expiration Date 07/30/2018**

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$2,000.00	\$0.00	\$2,000.00
Pre-Design	\$208,278.00	\$194,640.56	\$13,637.44
Design	\$291,722.00	\$0.00	\$291,722.00
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$15,000.00	\$0.00	\$15,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$517,000.00	\$194,640.56	\$322,359.44

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLD14A15

Oak Island Drive Storm Drain

Interlocal Amount \$497,750.00

Original Funding Date 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

RF.NLV01G11

Ann Road Channel East, ULVW to Fifth Street

Interlocal Amount \$1,063,556.00

Original Funding Date 08/11/2011

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$378,556.00	\$316,746.84	\$61,809.16
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$650,000.00	\$644,224.14	\$5,775.86
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$25,000.00	\$0.00	\$25,000.00
Total	\$1,063,556.00	\$960,970.98	\$102,585.02

RF.NLV01H13

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

Interlocal Amount \$317,990.00

Original Funding Date 10/10/2013

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$38,500.00	\$34,533.51	\$3,966.49
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$244,880.00	\$222,051.18	\$22,828.82
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$23,030.00	\$22,583.97	\$446.03
Other	\$11,580.00	\$11,580.00	\$0.00
Total	\$317,990.00	\$290,748.66	\$27,241.34

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLV01J15

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

Interlocal Amount \$3,158,000.00

Original Funding Date 08/13/2015

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,833,000.00	\$2,788,683.43	\$44,316.57
Const Engineering	\$325,000.00	\$255,632.78	\$69,367.22
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$3,158,000.00	\$3,044,316.21	\$113,683.79

RF.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	\$48,200.43	\$1,068,771.57
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,580,000.00	\$1,085,636.20	\$494,363.80
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	\$1,133,836.63	\$1,573,135.37

RF.NLV03F17

Range Wash - Ann Branch

Interlocal Amount \$1,081,889.00

Original Funding Date 03/09/2017

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$250,000.00	\$0.00	\$250,000.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$821,889.00	\$11,942.69	\$809,946.31
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	\$11,942.69	\$1,069,946.31

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLV03G17

**Hollywood System, Centennial Pkwy-Speedway #2 DB
Interlocal Amount \$897,470.00**

**Original Funding Date 03/09/2017
Expiration Date 06/30/2018**

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$507,125.00	\$0.00	\$507,125.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$380,345.00	\$5,111.28	\$375,233.72
Construction	\$0.00	\$0.00	\$0.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$10,000.00	\$0.00	\$10,000.00
Other	\$0.00	\$0.00	\$0.00
Total	\$897,470.00	\$5,111.28	\$892,358.72

RF.NLV04F07

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

**Original Funding Date 04/12/2007
Expiration Date 12/31/2017**

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

RF.NLV04K17

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

**Original Funding Date 02/09/2017
Expiration Date 06/30/2018**

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$1,921,156.00	\$5,165.82	\$1,915,990.18
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	\$5,165.82	\$1,925,990.18

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLV09E11

Vandenberg North Detention Basin & Outfall

Interlocal Amount \$1,268,000.00

Original Funding Date 04/14/2011

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$44,673.77	\$27,829.00	\$16,844.77
Pre-Design	\$123,326.23	\$123,326.23	\$0.00
Design	\$1,095,000.00	\$335,362.33	\$759,637.67
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	\$486,517.56	\$781,482.44

RF.NLV09I13

Beltway Detention Basin and Channel

Interlocal Amount \$1,034,000.00

Original Funding Date 10/10/2013

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$100,000.00	\$38,559.77	\$61,440.23
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$924,000.00	\$405,138.45	\$518,861.55
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	\$1,034,000.00	\$444,883.91	\$589,116.09

RF.NLV17C16

Fifth Street Collector, Centennial Pkwy to Deer Springs Way

Interlocal Amount \$726,079.00

Original Funding Date 11/10/2016

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$259,088.00	\$6,101.37	\$252,986.63
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$456,991.00	\$25,563.02	\$431,427.98
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	\$31,664.39	\$694,414.61

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLV18A07

Colton Channel

Interlocal Amount \$1,214,634.00

Original Funding Date 09/13/2007

Expiration Date 12/31/2017

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

RF.NLV18B07

Brooks Channel

Interlocal Amount \$677,749.00

Original Funding Date 09/13/2007

Expiration Date 06/30/2018

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

RF.NLV18F13

Central Freeway Channel At Cheyenne

Interlocal Amount \$772,549.00

Original Funding Date 12/12/2013

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$5,000.00	\$270.36	\$4,729.64
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$767,549.00	\$647,269.02	\$120,279.98
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	\$647,539.38	\$125,009.62

Current Project Expense Summary

PAY-AS-YOU-GO FUNDED PROJECTS

ENTITY: North Las Vegas

RF.NLV18H14

Brooks Channel

Interlocal Amount \$5,751,000.00

Original Funding Date 09/11/2014

Expiration Date 07/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$5,165,000.00	\$4,465,399.37	\$699,600.63
Const Engineering	\$586,000.00	\$224,571.56	\$361,428.44
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$5,751,000.00	\$4,689,970.93	\$1,061,029.07

RF.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	\$1,172,748.44	\$9,517,251.56
Const Engineering	\$610,000.00	\$20,813.00	\$589,187.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$11,300,000.00	\$1,193,561.44	\$10,106,438.56

Pay-As-You-Go Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$44,359,254.81	\$40,193,274.43	\$4,165,980.38
Pre-Design	\$331,604.23	\$317,966.79	\$13,637.44
Design	\$49,068,478.00	\$31,740,981.01	\$17,327,496.99
Construction	\$118,496,585.50	\$33,062,874.76	\$85,433,710.74
Const Engineering	\$8,589,282.00	\$905,639.02	\$7,683,642.98
Environmental	\$2,589,915.00	\$1,936,111.18	\$653,803.82
Other	\$10,713,538.96	\$10,268,985.75	\$444,553.21
Total	\$234,148,658.50	\$118,425,832.94	\$115,722,825.56
Construction Projects = 20 Design / Other Projects = 60			

Current Project Expense Summary

BOND FUNDED PROJECTS

ENTITY: Clark County

RF.CLA04W16

Flamingo Wash, Eastern Avenue

Interlocal Amount \$1,420,000.00

Original Funding Date 05/19/2016

Expiration Date 06/30/2021

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$1,300,000.00	\$200.00	\$1,299,800.00
Const Engineering	\$120,000.00	\$0.00	\$120,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,420,000.00	\$200.00	\$1,419,800.00

RF.CLA08T14

Duck Creek, Las Vegas Boulevard

Interlocal Amount \$7,400,000.00

Original Funding Date 09/11/2014

Expiration Date 06/30/2019

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$6,800,000.00	\$188,578.65	\$6,611,421.35
Const Engineering	\$600,000.00	\$151,568.90	\$448,431.10
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$7,400,000.00	\$340,147.55	\$7,059,852.45

RF.CLA15E13

LVW-Sloan to Stewart-Flam Wash below Nellis

Interlocal Amount \$83,384,000.00

Original Funding Date 10/10/2013

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$74,952,000.00	\$70,995,585.00	\$3,956,415.00
Const Engineering	\$7,932,000.00	\$5,962,690.66	\$1,969,309.34
Environmental	\$0.00	\$0.00	\$0.00
Other	\$500,000.00	\$0.00	\$500,000.00
Total	\$83,384,000.00	\$76,958,275.66	\$6,425,724.34

Current Project Expense Summary

BOND FUNDED PROJECTS

ENTITY: Clark County

RF.CLA15F16

Las Vegas Wash - Water Reclamation Channel

Interlocal Amount \$3,400,000.00

Original Funding Date 05/19/2016

Expiration Date 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	\$0.00	\$3,400,000.00
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$3,400,000.00	\$0.00	\$3,400,000.00

RF.CLA27D13

Flamingo Diversion - Rainbow Branch

Interlocal Amount \$10,570,000.00

Original Funding Date 04/11/2013

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$9,665,000.00	\$8,497,094.67	\$1,167,905.33
Const Engineering	\$905,000.00	\$853,781.00	\$51,219.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$10,570,000.00	\$9,350,875.67	\$1,219,124.33

ENTITY: Clark County Outlying

RF.LAU04B17

SR 163 at Casino Drive

Interlocal Amount \$1,152,000.00

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	\$1,060,000.00	\$0.00	\$1,060,000.00
Const Engineering	\$92,000.00	\$0.00	\$92,000.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$1,152,000.00	\$0.00	\$1,152,000.00

Current Project Expense Summary

BOND FUNDED PROJECTS

ENTITY: Henderson

RF.HEN05G16

Horizon Ridge Detention Basin

Interlocal Amount \$8,294,400.00

Original Funding Date 04/14/2016

Expiration Date 12/31/2018

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

RF.HEN12J16

Palm Hills Channel

Interlocal Amount \$2,830,880.00

Original Funding Date 04/14/2016

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$2,598,738.00	\$1,757,421.12	\$841,316.88
Const Engineering	\$232,142.00	\$85,741.39	\$146,400.61
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$2,830,880.00	\$1,843,162.51	\$987,717.49

RF.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	\$0.00	\$8,915,326.25
Const Engineering	\$816,108.90	\$487.28	\$815,621.62
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$9,731,435.15	\$487.28	\$9,730,947.87

Current Project Expense Summary

BOND FUNDED PROJECTS

ENTITY: Henderson

RF.HLD06A15

Appaloosa Storm Drain

Interlocal Amount \$925,834.35

Original Funding Date 07/09/2015

Expiration Date 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	\$0.00	\$925,834.35
Const Engineering	\$0.00	\$0.00	\$0.00
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$925,834.35	\$0.00	\$925,834.35

ENTITY: Las Vegas

RFLAS14D14

Freeway Channel-Washington, MLK to Rancho Drive

Interlocal Amount \$11,405,343.00

Original Funding Date 02/13/2014

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$10,500,343.00	\$0.00	\$10,500,343.00
Const Engineering	\$905,000.00	\$88,017.13	\$816,982.87
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$11,405,343.00	\$88,017.13	\$11,317,325.87

ENTITY: North Las Vegas

RF.NLV01114

Ann Road Channel East, ULVW to Fifth Street

Interlocal Amount \$5,838,100.00

Original Funding Date 03/13/2014

Expiration Date 06/30/2018

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$0.00	\$0.00	\$0.00
Pre-Design	\$0.00	\$0.00	\$0.00
Design	\$0.00	\$0.00	\$0.00
Construction	\$5,258,100.00	\$5,237,297.52	\$20,802.48
Const Engineering	\$580,000.00	\$334,509.94	\$245,490.06
Environmental	\$0.00	\$0.00	\$0.00
Other	\$0.00	\$0.00	\$0.00
Total	\$5,838,100.00	\$5,571,807.46	\$266,292.54

Current Project Expense Summary

BOND FUNDED PROJECTS

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	\$133,055,341.60	\$86,676,176.96	\$46,379,164.64
Const Engineering	\$12,796,650.90	\$7,476,796.30	\$5,319,854.60
Environmental	\$0.00	\$0.00	\$0.00
Other	\$500,000.00	\$0.00	\$500,000.00
Total	\$146,351,992.50	\$94,152,973.26	\$52,199,019.24
Construction Projects = 12 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	\$44,359,254.81	\$40,193,274.43	\$4,165,980.38
Pre-Design	\$331,604.23	\$317,966.79	\$13,637.44
Design	\$49,068,478.00	\$31,740,981.01	\$17,327,496.99
Construction	\$251,551,927.10	\$119,739,251.72	\$131,812,675.38
Const Engineering	\$21,385,932.90	\$8,382,435.32	\$13,003,497.58
Environmental	\$2,589,915.00	\$1,936,111.18	\$653,803.82
Other	\$11,213,538.96	\$10,268,985.75	\$944,553.21
Total	\$380,500,651.00	\$212,579,006.20	\$167,921,644.80
Construction Projects = 32 Design / Other Projects = 60			

Pay-As-You-Go Totals

Category	ILC Funding Allocation	Amount Spent	Total Remaining
Right of Way	\$44,359,254.81	\$40,193,274.43	\$4,165,980.38
Pre-Design	\$331,604.23	\$317,966.79	\$13,637.44
Design	\$49,068,478.00	\$31,740,981.01	\$17,327,496.99
Construction	\$118,496,585.50	\$33,062,874.76	\$85,433,710.74
Const Engineering	\$8,589,282.00	\$905,639.02	\$7,683,642.98
Environmental	\$2,589,915.00	\$1,936,111.18	\$653,803.82
Other	\$10,713,538.96	\$10,268,985.75	\$444,553.21
Total	\$234,148,658.50	\$118,425,832.94	\$115,722,825.56
Construction Projects = 20 Design / Other Projects = 60			

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	\$133,055,341.60	\$86,676,176.96	\$46,379,164.64
Const Engineering	\$12,796,650.90	\$7,476,796.30	\$5,319,854.60
Environmental	\$0.00	\$0.00	\$0.00
Other	\$500,000.00	\$0.00	\$500,000.00
Total	\$146,351,992.50	\$94,152,973.26	\$52,199,019.24
Construction Projects = 12 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	2,222,694.00
BOU02A88	Georgia Avenue Channel	Closed	613,590.23
BOU03A88	Buchanan Blvd. Channel	Closed	412,719.91
BOU03B98	Buchanan Watershed Facilities	Closed	420,240.41
BOU03C10	Buchanan Blvd., Phase III Improvements	Closed	344,263.01
BOU03D11	Buchanan Blvd., Phase III Improvements	Closed	0.00
BOU03E12	Buchanan Blvd., Phase III Improvements	Closed	4,689,402.24
BOU04A96	West Airport Watershed	Closed	128,138.69
BOU04B97	West Airport Watershed Construction	Closed	1,839,686.60
BOU04C01	Hemenway Wash	Closed	101,580.75
BOU05A98	North Railroad Watershed (Industrial Road Facility)	Closed	448,873.75
BOU05B00	North Railroad Watershed, Veteran Memorial Dr Culvert	Closed	129,206.79
BOU05G07	Yucca Street Drainage	Closed	71,036.09
BOU05H07	Bootleg Canyon Detention Basin Outfall	Closed	521,408.23
BOU05J10	North Railroad Conveyance	Open	530,000.00
BOU05K11	Bootleg Canyon Detention Basin, Phase II	Closed	829,854.43
BOU05L11	North Railroad Conveyance	Closed	3,503,502.20
BOU06A99	Ville Drive Flood Control Facilities	Closed	144,261.08
BOU06B01	Ville Drive Flood Control Facilities	Closed	747,314.67
			\$23,091,773.08

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
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

Regional Flood Control District

Capital Improvement Projects - Cumulative Reporting

Pay-As-You-Go Funding

Clark County

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
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	(11,828.26)
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	7,083,798.07
CLA10H13	Airport Channel - Naples	Open	600,000.00
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
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	LVW 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

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

Clark County

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
CLA16B00	Upr Duck, Ctrl Duck, Lower Blue Dia, & Bird Springs DB	Closed	1,363,624.69
CLA16F04	Lower Blue Diamond Detention Basin Collector Channel	Closed	8,060,995.11
CLA16G05	Blue Diamond Wash Wigwam, UPRR to Jones Boulevard	Closed	535,000.00
CLA16H06	Blue Dia Wash S Rainbow, Pebble - Raven & Wigwam - Ford	Closed	2,444,155.20
CLA16I07	Lower Blue Diamond Detention Basin Outfall	Closed	1,694,368.59
CLA16J07	Blue Diamond Wash Wigwam, Jones Blvd to Rainbow	Closed	357,603.89
CLA16K07	Upper Duck Creek Detention Basin	Closed	3,000,000.00
CLA17E04	Blue Diamond Channel, Rainbow Branch	Closed	1,495,409.16
CLA19A99	Red Rock Channel, Naples Branch	Closed	1,333,173.93
CLA19C02	Red Rock Channel, Naples Branch - Flamingo Connector	Closed	674,561.31
CLA20A99	Washington Collection System	Closed	69,701.68
CLA20B00	Washington Collection System	Closed	680,964.62
CLA21A00	Orchard Detention Basin	Open	1,674,700.00
CLA21B12	Orchard Detention Basin	Closed	4,929,886.35
CLA22A00	Flamingo Diversion - Jones Branch	Closed	100,001.71
CLA22B03	Flamingo Diversion - Jones Branch	Closed	1,100,000.00
CLA26C08	Flam Div - South Buffalo Branch, Flamingo Wash to Patrick Lane	Closed	776,336.79
CLA27C08	Flamingo Diversion - Rainbow Branch	Open	1,030,000.00
CLA35A11	Tropicana Avenue Conveyance, LVW to Mtn. Vista	Closed	249,789.19
CLD02A11	Annie Oakley Drive at Rawhide Channel Storm Drain	Closed	84,203.00
CLD04A08	Twain at Pecos-McLeod Storm Drain	Closed	442,521.57
CLD07A07	Sunrise Area Storm Drain	Closed	914,982.31
CLD07B08	Carey Avenue Storm Drain	Closed	1,351,525.62
CLD07C10	Sunrise Ave. Storm Drain, Fogg St. to Clayton St.	Closed	154,935.40
CLD07D12	Toiyabe Street Storm Drain	Closed	0.00
CLD14A10	Tunis Ave and Karvel Street Storm Drain	Closed	189,391.53
CLD15A09	Olive Street Storm Drain, US-95 to Palm Street	Closed	800,286.13
CLD17A09	Las Vegas Blvd/Serene Ave Storm Drain	Closed	133,338.79
CLD19A17	Katie Avenue Storm Drain - Local Drainage Improvements	Open	994,016.50
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
			\$234,808,137.70

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

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

Clark County Outlying

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
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	7,200,000.00
MOA02A89	Logan Wash (aka Benson), Moapa Valley	Closed	235,040.74
MOA02B92	Logan Wash Construction	Closed	3,510,528.60
MOA03A11	Fairgrounds Detention Basin	Open	964,000.00
NEL01A88	Nelson Flood Control Improvements	Closed	2,961.95
SEA01A88	Searchlight Flood Control Improvements	Closed	861,099.97
SEA01B99	Searchlight Flood Control Improvements	Closed	5,500.00
SEA02A07	Searchlight - West, US-95	Closed	162,000.00
SEA03A09	Searchlight - South, Encinitas St Storm Drain	Open	138,000.00
			\$71,322,369.94

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
			\$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	Open	402,705.00
HEN01I14	Pittman Wash, Duck Creek at I-515	Open	2,489,875.00
HEN02A89	Green Valley Parkway Bridge	Closed	1,128,513.78
HEN03A91	UPRR Channel	Closed	117,073.57
HEN04A91	C-1 Predesign / Mission Hills Design	Closed	1,009,074.06
HEN04B93	C-1 Channel / Lake Mead Dr. to Burkholder Design	Closed	173,333.98
HEN04E96	Mission Hills Western Interceptor Diversion	Closed	2,636,599.02
HEN04F97	Black Mountain Detention Basin	Closed	275,048.92
HEN04I98	C-1 Channel (Culvert) at Lake Mead	Closed	907,210.00
HEN04K99	Upper and Middle Reaches of the C-1 Channel	Closed	521,871.29
HEN04O09	C-1, Four Kids Wash - Lake Mead to Eagle Rock	Closed	22,905.46
HEN04P09	Racetrack Channel, Drake to Burkholder	Open	247,099.00
HEN04Q15	Racetrack Channel, Drake to Burkholder	Open	1,037,650.00
HEN05A92	Sunset D B, Collection Sys, & Outfall (Pioneer DB)	Closed	3,749,294.23
HEN05C01	Pioneer Detention Basin	Closed	4,323,566.57
HEN05D09	Pioneer Detention Basin Expansion and Inflow	Closed	325,840.81
HEN05E09	Pittman, Horizon Ridge Detention Basin	Open	727,285.00
HEN06A93	Equestrian Drive Detention Basin	Closed	388,624.49
HEN06B95	Equestrian Detention Basin	Closed	6,128,895.08
HEN06C02	Equestrian Detention Basin Outfall	Closed	681,288.27

Regional Flood Control District

Capital Improvement Projects - Cumulative Reporting

Pay-As-You-Go Funding

Henderson

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
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
HEN08A96	Railroad East Detention Basin	Closed	6,416,341.47
HEN08B08	Pittman Railroad East Conveyance	Closed	444,380.89
HEN08C08	Pittman Railroad East Conveyance	Closed	8,518,517.91
HEN09A99	Pittman East Detention Basin (collapse with HEN09A97)	Closed	119,918.19
HEN09B00	Pittman Eastern Detention Basin	Closed	6,099,436.41
HEN09D09	Pittman Seven Hills Park Channel	Closed	0.00
HEN10B99	South Pittman Detention Basin	Closed	3,202,101.72
HEN12A99	Gibson Channel at Sunset Road	Closed	40,125.00
HEN12B01	Gibson Channel Culvert at Sunset Road	Closed	364,211.76
HEN12C02	Gibson Conveyance System	Closed	237,718.78
HEN12F05	Pittman Gibson, Warm Springs Road to Kelso Dunes Avenue	Closed	10,000.00
HEN12GO6	Pittman Wash - Burns	Closed	4,251,084.08
HEN12H09	Pittman Burns, Sunset to Galleria	Closed	770,231.86
HEN12I09	Pittman, West Horizon - Palm Hills	Open	275,078.00
HEN13A00	Boulder Highway Channel	Closed	360,070.00
HEN14A00	Pittman Pecos West Conveyance & Eastern Ave Tributary	Closed	2,355,800.39
HEN14B06	Pittman Pecos West Conveyance & Eastern Ave Tributary	Closed	6,787,948.72
HEN15A00	Pittman Wash Railroad Channel	Closed	568,801.51
HEN16A01	Pittman North Detention Basin & Outfall	Open	2,181,514.00
HEN16D15	Pittman North Detention Basin and Outfall, Phase I	Open	4,342,105.00
HEN16E15	Pittman North DB & Outfall, Phase II - Starr Avenue	Open	2,000,321.00
HEN16F17	Pittman North Detention Basin & Outfall, Phase III	Open	19,669,494.00
HEN19B06	Northeast Detention Basin Outfall	Closed	337,852.88
HEN19C07	Northeast Detention Basin, Levee and Outfall	Closed	13,366,601.89
HEN21A05	Pittman Railroad, MacDonald Ranch Channel	Closed	253,025.49
HEN21B08	Pittman Railroad, MacDonald Ranch Channel	Closed	2,025,749.22
HEN22A09	Anthem Pkwy Channel, Horizon Ridge to Sienna Heights	Open	179,474.00
HEN23A09	Center Street Storm Drain	Open	584,255.00
HEN24A11	Duck Creek, Sunset to Sandhill	Open	590,746.00
HEN24B13	Duck Creek, Sunset to Sandhill	Closed	3,475,829.83
HLD15A06	Blackridge Road Storm Drain System	Closed	529,071.04
			\$142,121,941.60

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

Regional Flood Control District

Capital Improvement Projects - Cumulative Reporting

Pay-As-You-Go Funding

Las Vegas

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
LAS02F93	Buffalo Channel / Doe-Westcliff	Closed	1,685,430.55
LAS03A89	Gowan Rd Detention System	Closed	195,685.16
LAS03B89	Gowan Detention Basin & Outfall	Closed	4,813,519.80
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
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

Regional Flood Control District

Capital Improvement Projects - Cumulative Reporting

Pay-As-You-Go Funding

Las Vegas

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
LAS10P00	Gowan/Lone Mountain System - Gilmore Channel (CM)	Closed	8,492.19
LAS10Q01	Gowan/Lone Mountain System - Gilmore Channel (Developer Participati	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	998,510.00
LAS15A95	Oakey Storm Drain - I-15 to Decatur Blvd	Closed	391,238.42
LAS16A98	Ann Road Channel West/ Allen Lane - Rancho Drive	Closed	657,583.31
LAS16B99	Rancho Road System/Centennial PKWY to Rancho DB	Closed	1,198,151.00
LAS16C99	Rancho Road System/Centennial PKWY to Rancho DB	Closed	17,697.53
LAS16G07	Rancho Detention Basin, Phase II	Closed	3,953,168.82
LAS16H07	Rancho Drive System - El Campo Grande Storm Drain	Closed	4,634,244.76
LAS16I09	Ann Rd Channel West - Rainbow Blvd	Closed	475,475.33
LAS16J09	Rancho System - Beltway to Elkhorn	Closed	927,245.27
LAS16L11	Rancho Road System - Elkhorn, Ft Apache to Grand Canyon	Open	400,000.00
LAS16M12	Ann Road Channel West - Rainbow Boulevard	Closed	3,474,459.19
LAS16N13	Rancho System - Beltway to Elkhorn Road	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	554,000.00
LAS17A98	Las Vegas Wash/ Rancho Drive System (Peak Dr - Lake Mead)	Closed	419,095.42
LAS17D02	Las Vegas Wash - Rancho Drive System (Carey/Lake Mead DB to Peak I	Closed	6,273,291.56
LAS17F07	Peak Drive System (Jones Blvd to Michael Way)	Closed	4,501,941.03
LAS18A98	Las Vegas Wash/Smoke Ranch Sys: Peak Dr/Torrey Pines-Jones	Closed	147,617.92
LAS18B00	Las Vegas Wash - Smoke Ranch System (Peak Drive: Torrey Pines - Jone	Closed	1,782,103.78
LAS19A99	Owens Avenue System: Rancho Drive to I-15	Closed	292,162.08
LAS19B01	Owens Avenue System (Rancho Drive to I-15)	Closed	4,430,278.94
LAS19D11	Vegas Dr Storm Drain - Rancho to Shadow Mountain	Closed	10,997,022.53
LAS20A00	Rancho Rd System: Durango to US-95 Interchange	Closed	448,364.70
LAS22B05	Las Vegas Wash - Jones Blvd, Elkhorn Rd to Farm Rd	Closed	92,244.72
LAS22C06	Las Vegas Wash - Elkhorn (Rainbow Blvd to Torrey Pines Drive)	Closed	274,272.89
LAS22D06	N & S Environ Enhancement Areas - Floyd Lamb Park	Closed	2,252,837.16
LAS22E06	Las Vegas Wash - Decatur Blvd (Centennial PKWY to Farm Road)	Closed	2,454,915.36
LAS22F07	Las Vegas Wash - Rainbow (Elkhorn Road to Grand Teton Drive)	Closed	951,355.17
LAS22G07	Elkhorn Springs and Buffalo Storm Drain	Closed	280,782.51
LAS22H07	Las Vegas Wash - Elkhorn Rd, Rainbow Blvd to Torrey Pines Dr	Closed	6,561,592.06
LAS22I08	Las Vegas Wash - Decatur Blvd (Elkhorn Rd to Farm Rd)	Closed	2,950,783.84
LAS22J08	Las Vegas Wash - Jones Blvd, Elkhorn to Farm	Closed	1,683,390.48
LAS22K08	LVW - Grand Teton, Mountain Spa to 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

Regional Flood Control District

Capital Improvement Projects - Cumulative Reporting

Pay-As-You-Go Funding

Las Vegas

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
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
LAS23I17	Cent Pkwy Chnl West-US95, CC215 to Grand Teton, Kyle Cyn	Open	28,713,363.00
LAS24B06	Gowan North Channel - El Capitan Way to the Western Beltway	Closed	7,636,880.18
LAS24D06	Gowan Lone Mountain System - Branch 4	Closed	2,824,592.10
LAS24E07	Gowan Outfall - Lone Mountain Branch (Rancho Drive to Decatur Boule	Open	1,614,000.00
LAS24H13	Gowan North-Buffalo Branch,Lone Mtn to Washburn Rd	Open	992,000.00
LAS24I15	Gowan Box Canyon - Lone Mountain Road	Open	704,000.00
LAS24J15	Gowan North - El Capitan Branch, Lone Mountain to Ann Road	Open	785,478.00
LAS24K17	Gowan North-Buffalo Branch, Lone Mtn to Washburn Rd	Open	9,033,142.00
LAS24L17	Gowan North-El Capitan Branch, Ann Rd to Centennial Pkwy	Open	561,670.00
LAS25B13	Cedar Avenue Channel Improvements	Open	831,489.00
LAS26A07	Grand Teton Overpass - Storm Drain	Closed	612,614.83
LAS26B08	Grand Teton Overpass - Storm Drain	Closed	1,936,755.45
LAS26C13	Grand Teton - Hualapai to Tee Pee	Closed	401,560.15
LAS27A09	Boulder HWY Sahara Ave - Mojave Rd to Boulder HWY	Closed	411,967.68
LAS28B11	Oakey Drain - Cahlan to Barnard	Closed	5,372,969.90
LAS28C12	Las Vegas Wash - Sloan Channel to Cedar Avenue	Open	110,000.00
LAS29A10	Flamingo Wash, Boulder Highway North-Main Street	Closed	346,572.69
LAS29B15	Flamingo-Boulder HWY N-Boulder HWY Sahara to Charleston	Open	1,226,003.00
LAS29C16	Flamingo-Bldr Hwy, N Charleston-Maryland Pkwy System	Open	1,215,549.00
LAS29D17	Flamingo-Boulder Hwy North, Charleston, Main to Maryland	Open	325,192.00
LAS30A13	Gowan-Alexander Rd., Rancho Drive to Decatur Boulevard	Open	711,938.00
LLD04A03	Holmby Channel	Closed	621,698.68
LLD04B07	Oakey Boulevard & Tenaya Way Storm Drain	Closed	574,017.45
LLD05A08	Jones Blvd - Alta to Borden Storm Drain	Closed	716,389.74
LLD08A11	Lexington Street Storm Drain	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
LLD99A09	Gilmore Ave - Decatur Blvd to Thom Blvd Storm Drain	Closed	410,867.01
			\$326,447,680.64

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
MES02A00	Abbott Wash Channel, I-15 to Virgin River	Closed	632,380.00
MES04A15	Virgin River Flood Wall	Open	517,000.00
			\$2,796,646.36

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

Regional Flood Control District

Capital Improvement Projects - Cumulative Reporting

Pay-As-You-Go Funding

North Las Vegas

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
NLV01A87	Las Vegas Wash/I-15 to Pecos (Facility Study)	Closed	304,000.00
NLV01B87	Las Vegas Wash/Craig-Civic Center (King Charles)	Closed	2,415,411.73
NLV01C00	Upper Las Vegas Wash	Closed	2,590,459.93
NLV01E07	Tropical Parkway Channel East	Closed	1,161,535.61
NLV01G11	Ann Road Channel East, ULVW to Fifth Street	Open	1,063,556.00
NLV01H13	Las Vegas Wash - "N" Channel, Cheyenne to Gowan	Open	317,990.00
NLV01J15	Las Vegas Wash - "N" Channel, Cheyenne to Gowan	Open	3,158,000.00
NLV02A87	W. Trib Las Vegas Wash/Craig -Alexander	Closed	1,268,170.85
NLV02B88	W. Trib Las Vegas Wash/Craig Ranch Golf Course-Craig	Closed	1,057,430.33
NLV03A88	West Range Wash Detention Basin (Facility Study)	Closed	273,068.12
NLV03B88	East Range Wash Detention Basin (Facility Study)	Closed	30,000.00
NLV03C91	West Range Wash Diversion Dike	Closed	339,338.71
NLV03E13	Hollywood System, Dunes South DB to Centennial Parkway	Open	2,706,972.00
NLV03F17	Range Wash - Ann Branch	Open	1,081,889.00
NLV03G17	Hollywood System, Centennial Pkwy-Speedway #2 DB	Open	897,470.00
NLV04A89	Gowan Outfall Structure	Closed	13,373,572.56
NLV04B00	Gowan Outfall, Craig to Channel	Closed	301,821.67
NLV04C01	Gowan Outfall, Craig to Channel	Closed	1,566,299.84
NLV04F07	Simmons Street Drainage Improvements - Carey to Craig	Open	2,323,263.00
NLV04G07	Gowan Outfall - Lone Mountain Branch, Decatur Blvd to Channel	Closed	15,057,798.44
NLV04I11	Simmons Street - Phase II, Carey to Cheyenne	Closed	5,464,819.43
NLV04K17	Gowan Outfall, Alexander Rd - Decatur to Simmons Street	Open	1,931,156.00
NLV05A89	Upper Las Vegas Wash Detention Basin	Closed	1,342,892.36
NLV06A91	Kyle Detention Basin	Closed	601,126.71
NLV06B93	Kyle Detention Basin	Closed	8,452,713.96
NLV07A92	Camino Al Norte Culvert	Closed	86,191.00
NLV08A94	Lower Las Vegas Wash Detention Basin	Closed	2,650,037.50
NLV08B97	Lower Las Vegas Wash Detention Basin Construction	Closed	3,316,222.35
NLV09A94	Range Wash Chnl W Trib/Confl DB-LV Blvd. + Vandenberg DB	Closed	2,299,092.06
NLV09C03	Range Wash - Lamb Blvd Storm Drain	Closed	337,143.54
NLV09D07	Range Wash - Lamb Blvd Storm Drain	Closed	5,733,340.83
NLV09E11	Vandenberg North Detention Basin & Outfall	Open	1,268,000.00
NLV09F13	Beltway Detention Basin and Channel	Closed	0.00
NLV09G13	Centennial Collector	Closed	50,086.74
NLV09I13	Beltway Detention Basin and Channel	Open	1,034,000.00
NLV10A97	A - Channel/Lake Mead Blvd. - Alexander Road	Closed	1,822,067.69
NLV10B99	Cheyenne Peaking Basin	Closed	3,445,309.49
NLV10F02	Las Vegas Wash Main Branch, Cheyenne Avenue to Lake Mead 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

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

North Las Vegas

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
NLV17C16	Fifth Street Collector, Centennial Pkwy to Deer Springs Way	Open	726,079.00
NLV18A07	Colton Channel	Open	1,214,634.00
NLV18B07	Brooks Channel	Open	677,749.00
NLV18C07	Freeway Channel - Owens Avenue to Miller Avenue	Closed	1,528,308.05
NLV18D09	Freeway Channel - Owens Ave to Miller Ave, Phase I	Closed	4,389,989.00
NLV18E11	Freeway Channel - Owens Ave to Miller Avenue - Phase II	Closed	6,441,348.71
NLV18F13	Central Freeway Channel At Cheyenne	Open	772,549.00
NLV18H14	Brooks Channel	Open	5,751,000.00
NLV18I16	Central Freeway Channel at Cheyenne	Open	11,300,000.00
			<u>\$167,518,274.70</u>
		Grand Total	<u><u>\$1,019,870,681.86</u></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	83,384,000.00
CLA15F16	Las Vegas Wash - Water Reclamation Channel	Open	3,400,000.00
CLA16L09	Lower Blue Diamond Detention Basin	Closed	2,581,701.25

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

Clark County

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
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 Chn/Durango Dr - Rainbow Blvd (Beltway 7B)	Closed	1,021,760.73
CLA17D04	Blue Diamond Channel - Jones Branch	Closed	641,602.04
CLA18A98	Red Rock Channel/Russell Rd - Hualapai Way	Closed	1,793,162.82
CLA19D03	Red Rock Channel, Naples Branch	Closed	9,885,236.80
CLA26D11	Flamingo Diversion-South Buffalo Branch, Flamingo Wash to Sunset Rd	Closed	7,030,263.37
CLA27D13	Flamingo Diversion - Rainbow Branch	Open	10,570,000.00
			<u>\$260,988,312.50</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	1,152,000.00
			<u>\$7,580,516.42</u>

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	8,294,400.00
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	Open	2,830,880.00
HEN13B03	Boulder Highway Channel	Closed	6,534,523.99
HEN15B02	Pittman Wash Railroad Channel, Phase I (Resol. No. 02-6)	Closed	1,989,679.32
HEN15C04	Pittman Wash Railroad Channel, US-95 to Major Avenue	Closed	5,537,919.81
HEN18A03	Drake Channel	Closed	75,265.32

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

Henderson

<u>PROJECT</u>	<u>NAME</u>	<u>STATUS</u>	<u>TOTAL</u>
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	Open	925,834.35
			\$78,163,200.43

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
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
			\$228,811,120.49

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

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
			\$21,684,984.80

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
NLV01I14	Ann Road Channel East, ULVW to Fifth Street	Open	5,838,100.00
NLV03D93	West Range Wash Diversion Dike	Closed	2,251,608.79
NLV04D04	Gowan Outfall - Lone Mountain Branch, Decatur Blvd to Channel	Closed	1,179,589.48
NLV04H09	Simmons Street Drainage Improvements - Gowan Outfall	Closed	2,280,988.68
NLV04J14	Simmons Street Drainage Impvments-Alexander to Gowan Outfall	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	Closed	9,966,315.63
NLV10G03	Cheyenne Peaking Basin, Collection & Outfall - Alexander Rd to Cheyenne Av	Closed	15,482,525.64
NLV10J10	LV Wash Main Branch-LV Blvd. to Lake Mead Blvd.	Closed	21,161,048.84
NLV11C98	W. Trib Las Vegas Wash Chnl, Ph I (Ann Rd - Clayton St)	Closed	7,898,144.87
NLV11D99	W. Trib Las Vegas Wash, Ph III (LLVWDB to Camino Al Norte)	Closed	2,499,963.56
NLV11E99	W. Trib of the Las Vegas Wash, Ph II (Ann to Centennial)	Closed	7,772,320.98
NLV14B03	Tributary to the Western Tributary @ Alexander Rd	Closed	7,636,332.88
NLV15B03	Las Vegas Wash - Losee Road	Closed	1,142,595.43
NLV16B03	Simmons Street Channel	Closed	4,885,102.93
NLV18G14	Colton Avenue Flood Control Improvements	Closed	6,811,918.64
			\$173,802,006.55

Grand Total **\$778,035,208.62**

FY 2017-18 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 Pkwy Channel - Horizon Ridge to Sienna Heights		Construction	0.00	856,891.00			
Pittman North Detention Basin and Outfall, Phase III	HEN16F17	Construction	0.00	19,669,494.00	19,669,494.00	7/13/2017	18b
Equestrian Detention Basin Expansion (construction) - Closeout	HEN08J13	Construction	(72,435.48)	0.00	(72,435.48)	7/13/2017	8
Pittman Wash, Duck Creek at I-515 (construction) - Closeout	HEN01I14	Construction	(194,830.03)	0.00	(194,830.03)	9/14/2017	
Racetrack Channel, Drake to Burkholder (design) - Closeout	HEN04P09	Design	(170,684.07)	0.00	(170,684.07)	9/14/2017	
Racetrack Channel, Drake to Burkholder (construction) - Closeout	HEN04Q15	Construction	(203,701.54)	0.00	(203,701.54)	9/14/2017	
Pittman Wash, Duck Creek at I-515 (design) - Closeout	HEN01H09	Design	(52,891.43)	0.00	(52,891.43)	9/14/2017	
Henderson Total			(\$694,542.55)	\$20,526,385.00	\$18,974,951.45		
HENDERSON 3-YEAR TOTALS:		PROJECTS PROGRAMMED		\$19,831,842.45			
		ESTIMATED RESOURCES		\$30,696,665.00			
		REMAINING RESOURCES		\$11,721,713.55			

LAS VEGAS (Central Las Vegas Valley)							
Las Vegas Wash - Stewart to Bonanza	CLA15D12	Design	0.00	359,853.00			
Las Vegas Wash - Stewart to Bonanza	LAS28C12	Construction	0.00	5,091,750.00			
Cedar Avenue Channel Improvements	LAS25B13	Design	0.00	504,468.00			
Cedar Avenue Channel Improvements		Construction	0.00	7,676,749.00			
Flamingo - Boulder Hwy, North, Charleston - Main Street to Maryland Parkway	LAS29D17	Design	325,192.00	0.00	325,192.00	8/10/2017	11b
Flamingo - Boulder Hwy North - Boulder Hwy, Sahara to Charleston		Construction	0.00	17,520,367.00			
Flamingo - Boulder Hwy North, Charleston - Boulder Hwy to Maryland Parkway and Maryland Pkwy System		Construction	0.00	17,203,943.00			
Gowan Box Canyon - Lone Mountain Road		Construction	0.00	5,028,690.00			
Gowan Outfall - Alexander Rd., Decatur Blvd to Simmons Street		Construction	0.00	29,389,687.00			
Gowan North - El Capitan Branch, Lone Mountain to Ann Road		Construction	9,075,638.00	0.00			
Gowan North - El Capitan Branch, Ann Road to Centennial Parkway	LAS24L17	Design	561,670.00	0.00	561,670.00	8/10/2017	11a
Gowan - Alexander Rd., Rancho to Decatur		Construction	0.00	11,083,665.00			
Rancho Road System - Elkhorn, Grand Canyon to Hualapai		Construction	0.00	3,970,576.00			
Las Vegas Wash - Moccoasin, Skye Canyon Park to Squirrels Nest		Design	914,601.00	0.00			
Las Vegas Wash - Moccoasin, Skye Canyon Park to Squirrels Nest		Construction	0.00	12,328,158.00			
Rancho System - Beltway to Elkhorn Road (construction) - Closeout	LAS16N13	Construction	(854,452.79)	0.00	(854,452.79)	7/13/2017	8
Oakey-Meadows Storm Drain, Phase III (construction) - Closeout	LAS05K15	Construction	(696,078.37)	0.00	(696,078.37)	7/13/2017	8
Rancho System - Beltway to Elkhorn (design) - Closeout	LAS16J09	Design	(34,830.73)	0.00	(34,830.73)	7/13/2017	8
Oakey - Meadows Storm Drain (design) - Closeout	LAS05E03	Design	(248,468.60)	0.00	(248,468.60)	7/13/2017	8
Simmons Street Drainage Improvements - Alexander to Gowan Outfall (construction) - Closeout	NLV04J14	Construction	(1,188,375.91)	0.00	(1,188,375.91)	7/13/2017	8
Las Vegas Total			\$7,854,894.60	\$110,157,906.00	(\$2,135,344.40)		
LAS VEGAS 3-YEAR TOTALS:		PROJECTS PROGRAMMED		\$118,012,800.60			
		ESTIMATED RESOURCES		\$124,620,160.00			
		REMAINING RESOURCES		\$126,755,504.40			

NORTH LAS VEGAS (Northern Las Vegas Valley)							
Fifth Street Collector - Centennial to Deer Springs		Construction	0.00	4,443,088.00			
Orchard Collector - Charleston to Linden		Construction	250,613.00	0.00			
Owens Detention Basin & Outfall		Design	382,870.00	0.00			
Owens Detention Basin & Outfall		ROW	0.00	530,914.00			
Beltway Detention Basin & Channel	NLV09I13	ROW	703,493.00	0.00			
Range Wash - Beltway Conveyance		Design	161,842.00	0.00			
Range Wash - Beltway Conveyance		ROW	215,788.00	0.00			
Range Wash - Beltway Conveyance		Construction	0.00	2,181,507.00			
Vandenberg North Detention Basin, Collection & Outfall		Construction	0.00	25,701,808.00			
Beltway Collection System - Pecos		Design	450,393.00	0.00			
Beltway Collection System - Pecos		Construction	0.00	6,070,974.00			
Hollywood System, Dunes South Detention Basin to Centennial Parkway		Construction	0.00	27,451,135.00			
Range Wash - Ann Branch		Construction	0.00	11,632,391.00			
Hollywood System, Centennial Pkwy to Speedway #2 Detention Basin		Construction	0.00	5,326,386.00			
Centennial Collector (design) - Closeout	NLV09G13	Design	(506,056.26)	0.00	(506,056.26)	7/13/2017	8
Colton Avenue Flood Control Improvements (construction) - Closeout	NLV18G14	Construction	(723,081.36)	0.00	(723,081.36)	7/13/2017	8
Centennial Collector (construction) - Closeout	NLV09H14	Construction	(676,327.08)	0.00	(676,327.08)	7/13/2017	8
North Las Vegas Total			\$259,534.30	\$83,338,203.00	(\$1,905,464.70)		
NORTH LAS VEGAS 3-YEAR TOTALS:		PROJECTS PROGRAMMED		\$83,597,737.30			
		ESTIMATED RESOURCES		\$89,218,477.00			
		REMAINING RESOURCES		\$91,123,941.70			

FY 2017-18 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)							
Airport Channel - Naples		Construction	9,549,217.00	0.00			
Flamingo Wash, Industrial Road to Hotel Rio Drive		Construction	1,400,000.00	0.00			
Tropicana Avenue Conveyance - Las Vegas Wash to Morris	CLA35A11	Design	0.00	1,000,000.00			
Tropicana Avenue Conveyance - Las Vegas Wash to Morris		Construction	0.00	28,305,805.00			
Duck Creek Jones Boulevard		Construction	0.00	2,160,217.00			
Silverado Ranch Detention Basin and Outfall Facilities		Construction	0.00	22,040,143.00			
Blue Diamond Channel 02, Decatur - Le Baron to Richmar		Construction	3,500,000.00	0.00			
Blue Diamond Wash Railroad		ROW	326,190.00	0.00			
Duck Creek Wash, Torrey Pines to Rainbow		Construction	600,000.00	0.00			
Duck Creek Haven Street		Construction	0.00	3,992,890.00			
Goodsprings - Phase I	GSP01B10	ROW	63,832.00	0.00			
Goodsprings - Phase I		Construction	788,318.00	0.00			
Fairgrounds - Detention Basin (Whipple Street)		Construction	0.00	10,019,878.00			
Muddy River - Cooper to Yamashita		ROW	0.00	1,335,519.00			
SR 163 at Casino Drive	LAU04B17	Construction	1,152,000.00	0.00	1,152,000.00	7/13/2017	17
Searchlight - South, Encinitas Street Storm Drain	SEA03B17	Construction	2,530,000.00	0.00	2,530,000.00	8/10/2017	12a
Las Vegas Wash - Sloan Channel to Stewart Avenue and Flamingo Wash Below Nellis Boulevard	CLA15E13	Other/Legal	500,000.00	0.00	500,000.00	7/13/2017	15
<i>Duck Creek, Sunset to Sandhill (design) - Closeout</i>	<i>HEN24A11</i>	<i>Design</i>	<i>(54,762.16)</i>	<i>0.00</i>	<i>(54,762.16)</i>	<i>9/14/2017</i>	
Clark County Total			\$20,354,794.84	\$68,854,452.00	\$4,127,237.84		
CLARK COUNTY 3-YEAR TOTALS:			PROJECTS PROGRAMMED	\$89,209,246.84			
		ESTIMATED RESOURCES	\$114,205,870.00				
		REMAINING RESOURCES	\$110,078,632.16				

CITY OF MESQUITE							
Town Wash - Mesa Boulevard, El Dorado to Town Wash	MES01E17	Design	340,303.00	0.00	340,303.00	9/14/2017	
Town Wash - Mesa Boulevard, El Dorado to Chaparral		Design	388,145.00	0.00			
Virgin River Flood Wall	MES04A15	Design	0.00	139,974.00			
Virgin River Flood Wall		Construction	0.00	3,188,894.00			
City of Mesquite Total			\$728,448.00	\$3,327,868.00	\$340,303.00		
MESQUITE 3-YEAR TOTALS:			PROJECTS PROGRAMMED	\$4,056,316.00			
		ESTIMATED RESOURCES	\$10,743,369.00				
		REMAINING RESOURCES	\$10,403,066.00				

BOULDER CITY							
Hemenway System, Phase IIB Improvements	BOU01C10	Design	47,719.00	0.00			
Hemenway System, Phase IIB Improvements		Construction	681,697.00	0.00			
North Railroad Conveyance	BOU05J10	Design	0.00	95,585.00			
North Railroad Conveyance	BOU05J10	Construction	0.00	1,557,542.00			
Boulder City Total			\$729,416.00	\$1,653,127.00	\$0.00		
BOULDER CITY 3-YEAR TOTALS:			PROJECTS PROGRAMMED	\$2,382,543.00			
		ESTIMATED RESOURCES	\$7,071,121.00				
		REMAINING RESOURCES	\$7,071,121.00				

SUMMARY	
TOTAL 3-YEAR PROJECTS PROGRAMMED⁽²⁾	\$317,090,486.19
TOTAL ESTIMATED RESOURCES (Year-1)	\$87,874,963.00
TOTAL REMAINING DESIGN PROJECTS (Year-1)	\$2,345,570.00
TOTAL PROJECTS FUNDED (Year-1)	\$19,401,683.19
CURRENT AVAILABLE CONSTRUCTION RESOURCES (Year-1)	\$66,127,709.81

LOCAL DRAINAGE (5)							
Lexington Street Storm Drain (construction) - Closeout	LLD08A11	Construction	0.00	0.00	(73,389.66)	7/13/2017	8
Katie Avenue Storm Drain	CLD19A17	Construction	0.00	0.00	994,016.50	7/13/2017	16
Local Drainage Total			\$0.00	\$0.00	\$920,626.84		

- 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

	Funding Requests Received			Estimated Resources for CIP	Priority	
FISCAL YEAR 2017-18						
Sep-17	ESTIMATED REMAINING FISCAL YEAR CIP RESOURCES				\$66,226,864	
	Pittman Wash, Duck Creek at I-515 (construction) - Closeout	HEN01I14	-\$194,830.03		\$66,421,694	
	Racetrack Channel, Drake to Burkholder (design) - Closeout	HEN04P09	-\$170,684.07		\$66,592,378	
	Racetrack Channel, Drake to Burkholder (construction) - Closeout	HEN04Q15	-\$203,701.54		\$66,796,080	
	Duck Creek, Sunset to Sandhill (design) - Closeout	HEN24A11	-\$54,762.16		\$66,850,842	
	Pittman Wash, Duck Creek at I-515 (design) Closeout	HEN01H09	-\$52,891.43		\$66,903,734	
	Town Wash - Mesa Boulevard, El Dorado to Town Wash	MES01E17	\$340,303.00		\$66,563,431	
	No Projects Awaiting Funding		\$0.00			

Notes: (1) Estimated CIP resources are from the FY2017-18 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

RECOMMENDATION SUMMARY

STAFF: Approve.

TECHNICAL ADVISORY: Approve.

CITIZENS ADVISORY: Approve.

**RFCD AGENDA
ITEM #06
DATE: 09/14/17**

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

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

FISCAL IMPACT: None.

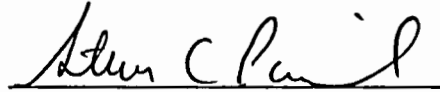
BACKGROUND: In accordance with Policies and Procedures Section II.B.9 general amendments can be processed to address scheduling changes and/or the need for additional funding. This agenda item addresses requested changes in funding, positive and negative, associated with this agenda as they impact the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

Project Description	Project Number	Item No. / Action	Current TYCP Amount	Requested Amendment Amount
Pittman Wash, Duck Creek at I-515 (construction)	HEN01I14	Item #07 Closeout	\$ 0.00	(\$194,830.03)
Racetrack Channel, Drake to Burkholder (design)	HEN04P09	Item #07 Closeout	\$ 0.00	(\$170,684.07)
Racetrack Channel, Drake to Burkholder (construction)	HEN04Q15	Item #07 Closeout	\$ 0.00	(\$203,701.54)
Duck Creek, Sunset to Sandhill (design)	HEN24A11	Item #07 Closeout	\$ 0.00	(\$ 54,762.16)
Pittman Wash, Duck Creek at I-515 (design)	HEN01H09	Item #07 Closeout	\$ 0.00	(\$ 52,891.43)

TAC AGENDA ITEM #05 Date: 08/31/17	RFCD AGENDA ITEM #06 Date: 09/14/17
CAC AGENDA ITEM #05 Date: 08/31/17	

Project Description	Project Number	Item No. / Action	Current TYCP Amount	Requested Amendment Amount
Town Wash - Mesa Boulevard El Dorado to Town Wash	MES01E17	Item #15 Original	\$297,489.00	\$ 340,303.00

Respectfully submitted,


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

TAC AGENDA ITEM #05 Date: 08/31/17	RFCD AGENDA ITEM #06 Date: 09/14/17
CAC AGENDA ITEM #05 Date: 08/31/17	

091417 TYCP Amend-item

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 08/21/17
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 included is an amendment request from the City of Mesquite.	
Staff Recommendation:	
Approve.	
Discussion by Technical Advisory Committee:	AGENDA #05 Date: 08/31/17
Recommendation:	
Approve.	
Discussion by Citizens Advisory Committee:	AGENDA #05 Date: 08/31/17
Recommendation:	
Approve.	

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT: TEN YEAR CONSTRUCTION PROGRAM AMENDMENT
PETITIONER: BILL TANNER, DIRECTOR OF PUBLIC WORKS CITY OF MESQUITE
RECOMMENDATION OF PETITIONER: IT IS RECOMMENDED THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT ADOPT AMENDMENTS TO THE TEN YEAR CONSTRUCTION PROGRAM (FOR POSSIBLE ACTION)

FISCAL IMPACT: None by this action.

BACKGROUND:

The City of Mesquite requests the following changes to the current Ten Year Construction Program:

1. Town Wash – Mesa Boulevard, El Dorado to Town Wash – Increase funding from \$297,489 in Year 1 (FY 17/18) to \$340,303 in Year 1 (FY 17/18).

Respectfully submitted,



Bill Tanner, Director of Public Works
City of Mesquite

TAC AGENDA ITEM # 05 Date: 08/31/17	RFCD AGENDA ITEM # 06 Date: 09/14/17
CAC AGENDA ITEM # 05 Date: 08/31/17	

EXHIBIT C

CITY OF HENDERSON
10-YEAR CONSTRUCTION PROGRAM
Amended September 14, 2017

				FIRST FIVE YEARS 7/2017 THRU 6/2022										
		Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 17/18	(Year 2) FY 18/19	(Year 3) FY 19/20							
TOTAL PLAN				Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649						
Unencumbered from previous year		\$32,284,196		Cumulative Available Resources	\$844,705,004	\$58,642,415	\$37,170,349	\$38,068,750						
ENTITY RESOURCES				Annual Resources	\$75,264,520	\$6,598,330	\$4,133,141	\$19,865,194						
Unencumbered from previous year		\$1,957,753		Cumulative Available Resources	\$7,292,873	\$11,426,013	\$8,815,129							
ENTITY TOTAL					\$511,244,291	\$151,215,287	\$74,372,314	(\$694,543)	\$0	\$22,576,079	Board Date	Amount	Amendment?	Project No.
HYDROGRAPHIC BASIN: PITTMAN					\$385,345,198	\$118,051,220	\$61,840,626	(\$247,721)	\$0	\$22,576,079		\$19,421,773		
SYSTEM: Pittman Burns					\$62,860,544	\$16,710,795	\$6,948,722	\$0	\$0	\$0		\$0		
PROJECT: Galleria to Boulder Hwy.														
	Design/Admin			Design Started 09/10	\$331,728									
	Right-of-way	PTSU 0000 & 0023		HEN12H09	\$265,382									
	Construction			Eng. Est.	\$2,371,852									
SYSTEM: Pittman Beltway					\$197,079,852	\$26,037,888	\$16,042,384	\$0	\$0	\$2,725,390		\$0		
PROJECT: Anthem Parkway Channel - Horizon Ridge to Sienna Heights														
	Design/Admin			Design Started 09/10	\$92,803					\$45,398				
	Right-of-way	PTAP 0018		HEN22A09	\$74,242									
	Construction				\$663,541					\$811,493				
PROJECT: Pittman North Detention Basin Outfall - St. Rose to Spencer														
	Design/Admin				\$1,319,867					\$968,498				
	Right-of-way	PTNO 0000 thru 0073			\$1,055,894					\$900,000				
	Construction				\$9,437,053									
SYSTEM: Lower Pittman					\$124,601,910	\$19,509,780	\$3,840,020	(\$247,721)	\$0	\$181,195		(\$247,721)		
PROJECT: Whitney Wash Channel														
	Design/Admin			Design Started 09/10	\$44,526					\$181,195				
	Right-of-way	WWDC 0069		HEN07D09	\$35,620									
	Construction			Eng. Est.	\$318,355									
PROJECT: Pittman Wash, Eastern to Pecos														
	Design/Admin				\$1,208,885									
	Right-of-way	PTWA 0346 thru 0486			\$967,107									
	Construction				\$8,643,527									
PROJECT: Pittman Wash Duck Creek at I-515														
CLOSEOUT	Design/Admin			Design Started 09/10	\$50,633			(\$52,891)			9/14/2017	(\$52,891)	YES	HEN01H09
	Right-of-way	PTDC 0074		HEN01H09	\$40,507									
	Construction			Eng. Est.	\$362,027			(\$194,830)			9/14/2017	(\$194,830)	YES	HEN01H14
SYSTEM: Pittman Pabco					\$173,330	\$7,135,222	\$678,171	\$0	\$0	\$0		\$0		
PROJECT: Warm Springs Rd. to Lake Mead Pkwy (Boulder Hwy)														
	Design/Admin				\$797,232									
	Right-of-way	PTPA 0261 thru 0325			\$637,786									
	Construction				\$5,700,206									
SYSTEM: Upper Pittman					\$629,562	\$48,657,734	\$34,331,329	\$0	\$0	\$19,669,494		\$19,669,494		
PROJECT: Pittman North Detention Basin and Outfall														
	Design/Admin				\$1,668,359					\$1,000,000	7/13/2017	\$1,000,000	YES	HEN16F17
	Right-of-way	PTNO 0180, 0181, 0182		HEN16A01	\$1,334,687									
	Construction			Eng. Est.	\$9,872,999					\$18,669,494	7/13/2017	\$18,669,494	YES	HEN16F17
PROJECT: Pittman North Detention Basin to Larson Lane														
	Design/Admin				\$396,976									
	Right-of-way	PTSD 0000 thru 0043			\$317,581									
	Construction				\$2,638,375									
PROJECT: Pittman, Larson Lane - Las Vegas Blvd. to Bermuda Rd.														
	Design/Admin				\$726,451									
	Right-of-way	PTLA 0000 thru 0126			\$581,162									
	Construction				\$5,194,132									

EXHIBIT C

CITY OF HENDERSON
 10-YEAR CONSTRUCTION PROGRAM
 Amended September 14, 2017

				FIRST FIVE YEARS 7/2017 THRU 6/2022											
		Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 17/18	(Year 2) FY 18/19	(Year 3) FY 19/20	Board Date	Amount	Amendment?	Project No.				
TOTAL PLAN				Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649							
Unencumbered from previous year		\$32,284,196	Cumulative Available Resources		\$844,705,004	\$58,642,415	\$37,170,349	\$38,668,750							
ENTITY RESOURCES				Annual Resources	\$75,264,520	\$6,598,330	\$4,133,141	\$19,965,194							
Unencumbered from previous year		\$1,957,753	Cumulative Available Resources			\$7,292,873	\$11,426,013	\$8,815,129							
ENTITY TOTAL					\$511,244,291	\$151,215,287	\$74,372,314	(\$694,543)	\$0	\$22,576,079			\$18,974,951		
HYDROGRAPHIC BASIN: C-1					\$125,899,093	\$33,164,068	\$12,531,688	(\$446,821)	\$0	\$0			(\$446,821)		
SYSTEM: C-1					\$125,899,093	\$33,164,068	\$12,531,688	(\$446,821)	\$0	\$0			(\$446,821)		
PROJECT: Cadiz Storm Drain - Racetrack To Pueblo															
	Design/Admin		\$274,026												
	Right-of-way	C1CA 0000	\$219,220	\$3,430,952											
	Construction		\$1,959,285												
PROJECT: Racetrack Channel - Drake to Burkholder															
CLOSEOUT	Design/Admin		\$312,104												
	Construction	C1RT 0001, 0016, 0041	HEN04P09 \$249,684	(\$374,386)					9/14/2017			(\$170,684)	YES	HEN04P09	
	CLOSEOUT	Construction	Eng. Est.	\$2,231,544											
												(\$203,702)	YES	HEN04Q15	
PROJECT: Four Kids Wash - Lake Mead to Eagle Rock Road															
	Design/Admin		Design Started 08/10	\$71,969											
	Right-of-way	C1FK 0040	HEN04O09	\$57,575	\$876,718										
	Construction			\$514,579											
PROJECT: C-1 Channel, SNWA Drop Structure to Lake Mead															
	Design/Admin			\$442,522											
	Right-of-way	C1CH 0161, 0173, 0204		\$354,018	\$5,731,638										
	Construction			\$3,420,050											
PROJECT: Equestrian Detention Basin Expansion															
	Design/Admin		Design Started 09/10												
	Right-of-way	C1EQ 0160	HEN06H09		(\$72,435)										
	CLOSEOUT	Construction	Eng. Est.												
												(\$72,435)	YES	HEN06J13	
PROJECT: Burkholder to Warm Springs (Lake Mead Pkwy)															
	Design/Admin			\$227,913											
	Right-of-way	C1LM 0141, 0144, 0156, 0158, 0182, 0184		\$182,331	\$2,939,201										
	Construction			\$1,629,578											

CLARK COUNTY
10-YEAR CONSTRUCTION PROGRAM
Amended September 14, 2017

EXHIBIT C

	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2017 THRU 6/2022			Board Date	Amount	Amendment?	Project No.
					(Year 1) FY 17/18	(Year 2) FY 18/19	(Year 3) FY 19/20				
TOTAL PLAN			Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649				
Unencumbered from previous year	\$32,284,196		Cumulative Available Resources	\$844,705,004	\$58,642,415	\$37,170,349	\$38,668,750				
ENTITY RESOURCES			Annual Resources	\$272,364,715	\$28,667,623	\$14,867,360	\$70,850,887				
Unencumbered from previous year	\$12,219,515		Cumulative Available Resources		\$8,332,827	\$2,793,408	\$11,347,268				
ENTITY TOTAL		\$1,065,594,071	\$552,627,233	\$268,608,872	\$20,354,795	\$20,206,780	\$62,297,027		\$4,127,238		
HYDROGRAPHIC BASIN: Tropicana/ Flamingo		\$693,370,426	\$158,884,827	\$120,115,289	\$11,449,217	\$1,484,336	\$32,416,423		\$500,000		
SYSTEM: Tropicana Flamingo Project		\$362,797,746	\$19,573,293	\$14,255,702	\$0	\$0	\$0		\$0		
PROJECT: Blue Diamond - Buffalo Branch											
Design/Admin			\$786,575								
Design/Admin	BDBF 0010, 0076, 0125		\$629,259	\$9,321,781							
Construction			\$5,624,008								
PROJECT: Flamingo - Cimarron Branch											
Design/Admin			\$428,816								
Right-of-way	FLCM 0003, 0040		\$343,052	\$4,933,922							
Construction			\$3,066,031								
SYSTEM: Lower Flamingo		\$241,571,216	\$107,037,196	\$54,588,578	\$11,449,217	\$484,336	\$4,110,618		\$500,000		
PROJECT: Las Vegas Wash - Sloan Channel to Bonanza & Flamingo Wash Below Nellis (CC Segment)											
Design/Admin		Design Started 11/12	\$4,045,847								
Right-of-way	LVMD 0883 thru 1149 & FLWA 0001	CLA15D12 / LAS28C12	\$4,045,847	\$500,000							
Construction			\$28,040,900								
4th Supplement					\$500,000			7/13/2017	\$500,000	YES	CLA15E13
PROJECT: Wagon Trail Channel - Sunset to Teco											
Design/Admin			\$176,000				\$125,384				\$86,097
Right-of-way	WGTR 0111		\$140,800	\$1,817,646			\$167,179				
Construction			\$1,258,396								\$1,538,986
PROJECT: Flamingo Wash, Maryland to Palos Verde											
Design/Admin			\$269,188				\$191,773				\$131,684
Right-of-way	FLWA 0621 & 0673		\$215,351	\$2,677,308							
Construction			\$1,924,694								\$2,353,851
PROJECT: Las Vegas Wash - Christy											
Design/Admin			\$1,970,430								
Right-of-way	LVCH 0000, 0114		\$1,576,344	\$22,719,035							
Construction			\$14,088,579								
PROJECT: Flamingo Wash Maryland - UNLV											
Design/Admin			\$590,847								
Right-of-way	FLMR 0000		\$472,678	\$6,812,459							
Construction			\$4,224,557								
PROJECT: Airport Channel - Naples											
Design/Admin		Design Started 13/14	\$328,199				\$184,051				
Right-of-way	TRMC 0013, 0031, 0033	CLA10H13	\$262,559	\$9,549,217							
Construction		Eng. Est.	\$2,346,621				\$9,365,166				
PROJECT: Vegas Valley Drive - Flamingo Wash to Pecos											
Design/Admin			\$760,512								
Right-of-way	VAVD 0000 & 0025		\$608,410	\$9,012,913							
Construction			\$5,437,863								
PROJECT: Flamingo Wash - Industrial Rd. to Hotel Rio Dr.											
Design/Admin		Design Started 09/10	\$32,099				\$100,000				
Right-of-way	FLWA 0893 & 0896	CLA10F10	\$25,679	\$1,400,000							
Construction		Eng. Est.	\$229,504				\$1,300,000				
SYSTEM: Lower LV Wash Tributaries		\$17,154,487	\$29,804,381	\$51,271,009	\$0	\$1,000,000	\$28,305,805		\$0		
PROJECT: Tropicana Avenue Conveyance - Morris to Mountain Vista											
Design/Admin			\$421,501								
Right-of-way	LV01 0151		\$337,201	\$4,839,921							
Construction			\$3,013,735								
PROJECT: Las Vegas Wash - Boulder Highway											
Design/Admin			\$1,225,497								
Right-of-way	LVBH 0000		\$980,397	\$1,105,965							
Construction			\$8,762,304								
PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Morris											
Design/Admin		Design Started 11/12	\$1,275,229				\$1,000,000				\$1,088,685
Right-of-way	LV01 0001 thru 0135	CLA35A11	\$1,020,185	\$29,305,805							
Construction		Eng. Est.	\$9,117,898								\$27,217,120
PROJECT: Las Vegas Wash - Branch 02 - Monson Chnl - Las Vegas Wash to Boulder Hwy.											
Design/Admin			\$1,415,886								
Right-of-way	LV02 0001 thru 0294		\$1,132,709	\$18,019,318							
Construction			\$9,907,874								

EXHIBIT C

CLARK COUNTY
10-YEAR CONSTRUCTION PROGRAM
Amended September 14, 2017

	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2017 THRU 6/2022			Board Date	Amount	Amendment?	Project No.
					(Year 1) FY 17/18	(Year 2) FY 18/19	(Year 3) FY 19/20				
TOTAL PLAN			Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649				
Unencumbered from previous year	\$32,284,196		Cumulative Available Resources	\$844,705,004	\$58,642,415	\$37,170,349	\$38,668,750				
ENTITY RESOURCES			Annual Resources	\$272,364,715	\$28,687,623	\$14,867,360	\$70,850,887				Funding Requests 17/18
Unencumbered from previous year	\$12,219,515		Cumulative Available Resources		\$8,332,827	\$2,793,408	\$11,347,268				
ENTITY TOTAL		\$1,065,594,071	\$552,627,233	\$268,608,872	\$20,354,795	\$20,206,780	\$62,297,027		\$4,127,238		
HYDROGRAPHIC BASIN: Duck Creek/ Blue Diamond		\$302,474,814	\$201,718,434	\$76,861,971	\$4,371,428	\$8,702,566	\$28,403,242		(\$54,762)		
SYSTEM: Blue Diamond Tributaries		\$45,918,214	\$47,534,900	\$20,683,853	\$0	\$1,200,697	\$6,101,038		\$0		
PROJECT: Blue Diamond Wash - Arville to I-15											
Design/Admin			\$503,358			\$358,598	\$246,237				
Right-of-way	BDWA 0276		\$402,686	\$5,006,327							
Construction			\$3,599,007				\$4,401,492				
PROJECT: Duck Cr. / Blue Diamond, Bermuda to Las Vegas Blvd.											
Design/Admin			\$506,588			\$360,899					
Right-of-way	DCDB 0075, 0082 & 0084		\$405,271	\$5,659,983		\$481,200					
Construction			\$3,622,105								
PROJECT: Blue Diamond Channel, Amigo to Rancho Destino											
Design/Admin			\$848,814				\$622,847				
Right-of-way	BDWA 0087 thru 0174		\$679,051	\$10,017,542			\$830,462				
Construction			\$6,069,022								
SYSTEM: Upper Duck Creek		\$66,782,047	\$74,969,770	\$37,139,547	\$3,826,190	\$2,525,908	\$22,302,205		\$0		
PROJECT: Duck Creek Jones Boulevard											
Design/Admin		RTC Project	\$831,705			\$395,011					
Right-of-way	DCJB 0000, 0043		\$965,364	\$2,160,217							
Construction			\$5,946,890			\$1,765,206					
PROJECT: Silverado Ranch Detention Basin and Outfall Facilities											
Design/Admin		Design Started 13/14	\$1,857,765				\$908,799				
Right-of-way	BD02 0125 thru 0312 & 0359 and 0385	CLA08S13	\$1,486,212	\$22,040,143							
Construction			\$13,190,259				\$21,131,344				
PROJECT: Blue Diamond Channel 02, Decatur - Le Baron to Richmar											
Design/Admin		RTC Project	\$430,297			\$500,000					
Right-of-way	BD02 0334, 0358	No Design	\$344,239	\$3,500,000							
Construction			\$3,076,628			\$3,000,000					
PROJECT: Blue Diamond Wash Railroad											
Design/Admin			\$357,137				\$262,061				
Right-of-way	BDW5 0026		\$285,709	\$4,191,638		\$326,190					
Construction			\$2,553,531								
PROJECT: Duck Creek Wash Tributary 4 - Detention Basin to Jones											
Design/Admin			\$513,315			\$365,691					
Right-of-way	DCW4 0298		\$410,652	\$5,247,548							
Construction			\$3,670,199								
SYSTEM: Lower Duck Creek		\$165,125,232	\$22,785,422	\$14,445,682	(\$54,762)	\$983,071	\$0		(\$54,762)		
PROJECT: Duck Creek, Sunset Park											
Design/Admin			\$1,379,919			\$983,071					
Design/Admin	DCSP 0000		\$1,103,935	\$14,500,444							
Construction			\$9,866,422								
PROJECT: Duck Creek - Sunset to Sandhill											
CLOSEOUT		Design Started 11/12						9/14/2017			
Design/Admin	DCWA 0648, 0656 & 0670	HEN24A11		(\$54,762)					(\$54,762)	YES	HEN24A11
Right-of-way		Eng. Est.									
Construction											
SYSTEM: Central Duck Creek		\$24,649,321	\$56,428,342	\$4,592,890	\$600,000	\$3,992,890	\$0		\$0		
PROJECT: Duck Creek Wash, Torrey Pines to Rainbow											
Design/Admin		Developer Participation	\$387,474								
Right-of-way	DCWA 1775, 1803, 1827		\$309,979	\$600,000							
Construction			\$2,770,438			\$600,000					
PROJECT: Duck Creek Haven Street											
Design/Admin			\$445,410			\$211,544					
Right-of-way	DCHV 0026, 0050, 0057		\$356,329	\$3,892,890							
Construction			\$3,184,684			\$3,781,346					

EXHIBIT C

CLARK COUNTY
10-YEAR CONSTRUCTION PROGRAM
Amended September 14, 2017

				FIRST FIVE YEARS 7/2017 THRU 6/2022										
Fac. ID Mile Range		Existing Value/ Comments	Project Cost Per MPU	Total Plan	(Year 1) FY 17/18	(Year 2) FY 18/19	(Year 3) FY 19/20							
TOTAL PLAN				Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649						
Unencumbered from previous year		\$32,284,196	Cumulative Available Resources		\$844,705,004	\$58,642,415	\$37,170,349	\$38,668,750						
ENTITY RESOURCES				Annual Resources	\$272,364,715	\$28,687,823	\$14,667,360	\$70,850,887						
Unencumbered from previous year		\$12,219,515	Cumulative Available Resources		\$8,332,827	\$2,793,408	\$11,347,268							
ENTITY TOTAL					\$1,065,594,071	\$552,627,233	\$268,608,872	\$20,354,795	\$20,206,780	\$62,297,027	Board Date	Amount	Amendment?	Project No.
HYDROGRAPHIC BASIN: Outlying Areas					\$69,748,831	\$192,023,972	\$71,631,612	\$4,534,150	\$10,019,878	\$1,477,361		\$3,682,000		
SYSTEM: Goodsprings					\$64,849	\$2,701,170	\$852,150	\$852,150	\$0	\$0		\$0		
PROJECT: Goodsprings - Phase I														
	Design/Admin	GSEA 0000	Design Started 09/10	\$91,455	\$852,150		\$41,765							
	Right-of-way	GSPA 0027 & 0029	GSP01B10	\$55,910			\$63,832							
	Construction	GSRV 0019		\$653,904			\$746,553							
SYSTEM: Muddy River & Tributaries					\$26,323,000	\$118,662,000	\$38,281,630	\$0	\$10,019,878	\$1,335,519		\$0		
PROJECT: Fairgrounds - Detention Basin (Whipple Street)														
	Design/Admin	FGWS 0000 thru 0166	Design Started 10/11	\$1,197,000	\$10,019,878		\$543,764							
	Right-of-way		MOA03A11	\$0										
	Construction			\$8,344,000			\$9,476,114							
PROJECT: Muddy River - Cooper to Yamashita														
	Design/Admin	MRLV 0395 thru 0508	MOA01B89	\$1,267,000	\$13,104,184									
	Right-of-way			\$1,141,713							\$1,335,519			
	Construction			\$9,261,000										
PROJECT: Bryner Avenue to Lewis														
	Design/Admin	MRLV 0198, 0240, 0268, 0276	MOA01B89	\$1,395,000	\$15,157,568									
	Right-of-way			\$0										
	Construction			\$9,978,000										
SYSTEM: Mount Charleston					\$304,564	\$894,337	\$101,100	\$0	\$0	\$0		\$0		
PROJECT: Rainbow Canyon Boulevard Bridge														
	Design/Admin	MTCH 0001		\$118,849	\$101,100									
	Right-of-way			\$0										
	Construction			\$775,488										
SYSTEM: Laughlin					\$33,124,938	\$58,328,851	\$17,434,158	\$1,152,000	\$0	\$141,842		\$1,152,000		
PROJECT: Bridge Canyon Detention Basin														
	Design/Admin	LUHS 0415, 0416, 0417		\$1,110,088	\$11,400,303									
	Right-of-way			\$0										
	Construction			\$6,969,201										
PROJECT: Bridge Canyon Outfall														
	Design/Admin	LUHS 0315, 0316, 0317		\$252,575	\$3,015,704									
	Right-of-way			\$0										
	Construction			\$1,883,212										
PROJECT: Hiko Detention Basin Expansion														
	Design/Admin	LUHS 0244		\$193,302	\$1,886,151						\$141,842			
	Right-of-way			\$0										
	Construction			\$1,212,966										
PROJECT: SR 163 at Casino Drive														
	Design/Admin	LUBC 0000, 0001, 0006	Design Started 08/09	\$98,081	\$1,152,000	\$92,000			7/13/2017	\$92,000	YES	LAU04B17		
	Right-of-way		LAU04A08	\$24,526										
	Construction		Eng. Est.	\$778,578			\$1,060,000			7/13/2017	\$1,060,000	YES	LAU04B17	
SYSTEM: Searchlight					\$1,411,509	\$3,224,834	\$5,086,643	\$2,530,000	\$0	\$0		\$2,530,000		
PROJECT: Searchlight - South, Encinitas St. Storm Drain														
	Design/Admin	SRSO 0000, 0010, 0021, 0030	Design Started 09/10	\$173,481	\$2,530,000	\$200,000			8/10/2017	\$200,000	YES	SEA03B17		
	Right-of-way		SEA03A09	\$0										
	Construction			\$1,240,394			\$2,330,000			8/10/2017	\$2,330,000	YES	SEA03B17	
PROJECT: Searchlight - West														
	Design/Admin	SRWE 0001 thru 0091		\$222,430	\$2,556,643									
	Right-of-way			\$0										
	Construction			\$1,588,526										
SYSTEM: Bunkerville					\$9,519,970	\$8,212,780	\$9,875,931	\$0	\$0	\$0		\$0		
PROJECT: Windmill Wash Detention Basin Expansion														
	Design/Admin	WWA 0039, JEWA 0165	Design Started 10/11	\$1,537,304	\$8,875,931									
	Design/Admin		BUN01D11	\$0										
	Construction			\$6,214,352										

EXHIBIT C

**CITY OF MESQUITE
10-YEAR CONSTRUCTION PROGRAM
Amended September 14, 2017**

Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2017 THRU 6/2022			Board Date	Amount	Amendment?	Project No.
				(Year 1) FY 17/18	(Year 2) FY 18/19	(Year 3) FY 19/20				
TOTAL PLAN				Annual Resources	\$900,864,909	\$55,590,767	\$49,512,051	\$239,168,649		
Unencumbered from previous year				Cumulative Available Resources	\$844,705,004	\$58,642,415	\$37,170,349	\$38,668,750		
ENTITY RESOURCES				Annual Resources	\$22,280,813	\$4,504,948	\$1,069,961	\$5,168,462	Funding Requests 17/18	
Unencumbered from previous year				Cumulative Available Resources	\$3,776,498	\$1,465,226	\$6,633,688			
ENTITY TOTAL		\$51,329,343	\$39,145,652	\$16,278,495	\$728,448	\$3,381,234	\$0			
HYDROGRAPHIC BASIN: Mesquite		\$51,329,343	\$39,145,652	\$16,278,495	\$728,448	\$3,381,234	\$0			
SYSTEM: Town Wash		\$22,881,796	\$10,064,098	\$11,149,029	\$728,448	\$0	\$0			
PROJECT: Town Wash - Mesa Boulevard, El Dorado to Town Wash										
Design/Admin	TWMB 0000 thru 0044	\$425,768								
Right-of-way	TOWA 0120	\$340,814	\$4,861,679							
Construction		\$3,348,666								
PROJECT: Town Wash Mesa Boulevard, El Dorado to Chaparral										
Design/Admin	TWMB 0052, 0084, 0094	\$555,515								
Right-of-way		\$444,412	\$6,287,350							
Construction		\$4,369,128								
SYSTEM: Virgin River		\$0	\$18,421,812	\$5,129,466	\$0	\$3,381,234	\$0			
PROJECT: Virgin River Flood Wall										
Design/Admin	VREC 0000, 0028, 0054	Design started 15/16 MES04A15	\$286,875				\$138,974			
Right-of-way			\$1,210,995	\$3,327,868						
Construction			\$2,633,055				\$3,168,894			
PROJECT: Virgin River Erosion Protection, Phase I										
Design/Admin	VREC 0203, 0323, 0508, 0519		\$73,440				\$53,398			
Right-of-way			\$632,655	\$1,801,598						
Construction			\$677,409							

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

**FINAL ACCOUNTING REPORTS AND PROJECT CLOSEOUTS
HEN01I14, HEN04P09, HEN04Q15, HEN24A11, HEN01H09**

RECOMMENDATION SUMMARY

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

TECHNICAL ADVISORY: Accept the final accounting reports and close out the interlocal contracts.

CITIZENS ADVISORY: Accept the final accounting reports and close out the interlocal contracts.

**RFCD AGENDA
ITEM #07
DATE: 09/14/17**

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: \$676,869.23 Release in Fund 4430 and 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
Pittman Wash, Duck Creek at I-515 (construction)	HEN01I14	4430.000	\$194,830.03
Racetrack Channel, Drake to Burkholder (design)	HEN04P09	4430.000	\$170,684.07
Racetrack Channel, Drake to Burkholder (construction)	HEN04Q15	4430.000	\$203,701.54
Duck Creek, Sunset to Sandhill (design)	HEN24A11	4430.000	\$ 54,762.16
Pittman Wash, Duck Creek at I-515 (design)	HEN01H09	4430.000	\$ 52,891.43
Total Fund 4430 and 4440			\$676,869.23

Respectfully submitted,


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

TAC AGENDA ITEM #06 Date: 08/31/17	RFCD AGENDA ITEM # 07 Date: 09/14/17
CAC AGENDA ITEM #06 Date: 08/31/17	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 08/21/17

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
Pittman Wash, Duck Creek at I-515 (construction)	HEN01I14	4430.000	\$194,830.03
Racetrack Channel, Drake to Burkholder (design)	HEN04P09	4430.000	\$170,684.07
Racetrack Channel, Drake to Burkholder (construction)	HEN04Q15	4430.000	\$203,701.54
Duck Creek, Sunset to Sandhill (design)	HEN24A11	4430.000	\$ 54,762.16
Pittman Wash, Duck Creek at I-515 (design)	HEN01H09	4430.000	\$ 52,891.43
Total – Fund 4430 and 4440			\$676,869.23

Staff Recommendation:

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

Discussion by Technical Advisory Committee:

AGENDA
#06 Date: 08/31/17

Recommendation:

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

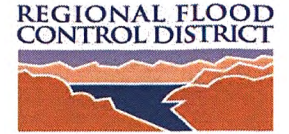
Discussion by Citizens Advisory Committee:

AGENDA
#06 Date: 08/31/17

Recommendation:

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

Clark County Regional Flood Control District
Final Accounting Report
Report Date 6/27/2017



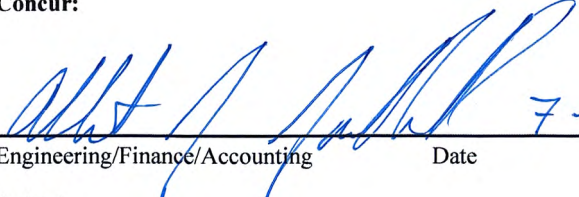
Project: RF.HEN01114, Pittman Wash, Duck Creek at I-515
Interlocal Value: \$2,489,875.00

Funding Category	Right of Way	Predesign	Design	Construction	Construction Mgt	Environmental	Other
Interlocal Funding Allocation	\$0.00	\$0.00	\$0.00	\$2,303,585.00	\$186,290.00	\$0.00	\$0.00
Amount Spent by Category	\$0.00	\$0.00	\$0.00	\$2,271,138.50	\$23,906.47	\$0.00	\$0.00
Remaining by Category	\$0.00	\$0.00	\$0.00	\$32,446.50	\$162,383.53	\$0.00	\$0.00

<u>Funding / Expenditure Summary</u>	
Interlocal Agreement:	\$2,489,875.00
Minus Amount Spent:	\$2,295,044.97
Amount to be Returned for Future Use:	<u>\$194,830.03</u>

ID Miles: PTDC0074

Concur:



 Engineering/Finance/Accounting Date 7-18-17

Accepted and Approved:



 Public Works Director Date 7-18-17

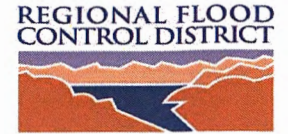
Project Audit Report

Project: RF.HEN01I14, Pittman Wash, Duck Creek at I-515

Status: Open

6/27/2017

Purchase Order - 4800006817 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5023551	09/01/2015	793.08	RF.HEN01I14.2-3 - CENG	Period 8/2015
CITY OF HENDERSON	MSC5023814	10/01/2015	2,785.17	RF.HEN01I14.2-3 - CENG	RF.HEN01I14.2-3 Period 9/1/15 - 9/30/15
CITY OF HENDERSON	MSC5023938	11/01/2015	3,488.09	RF.HEN01I14.2-3 - CENG	RF.HEN01I14.2-3 Oct 2015
CITY OF HENDERSON	MSC5024088	12/01/2015	667.90	RF.HEN01I14.2-3 - CENG	Period 11/1/15-11/30/15
CITY OF HENDERSON	MSC5024410	01/01/2016	1,111.53	RF.HEN01I14.2-3 - CENG	Period 12/01/15 - 12/31/15
CITY OF HENDERSON	MSC5024450	02/01/2016	590.62	RF.HEN01I14.2-3 - CENG	Period 1/1/2016 - 1/31/2016
CITY OF HENDERSON	MSC5024900	03/01/2016	1,266.67	RF.HEN01I14.2-3 - CENG	Period 2/01/16 - 2/29/16
CITY OF HENDERSON	MSC5024963	04/01/2016	1,885.26	RF.HEN01I14.2-3 - CENG	Period 3/01/16 - 3/31/16
CITY OF HENDERSON	MSC5025010	05/01/2016	2,274.23	RF.HEN01I14.2-3 - CENG	Period 4/01/16 - 4/30/16
CITY OF HENDERSON	MSC502124	06/01/2016	2,395.20	RF.HEN01I14.2-3 - CENG	Period 5/01/16 - 5/31/16
CITY OF HENDERSON	MSC5025317	06/30/2016	2,273.46	RF.HEN01I14.2-3 - CENG	RF.HEN01J14.2-2D 6/1/16 - 6/30/16
CITY OF HENDERSON	MSC5025621	08/30/2016	659.04	RF.HEN01I14.2-3 - CENG	Period 7/1/16 - 7/31/16
CITY OF HENDERSON	MSC5025847	09/01/2016	978.17	RF.HEN01I14.2-3 - CENG	Period 09/01/2016
CITY OF HENDERSON	MSC5025939	10/24/2016	79.84	RF.HEN01I14.2-3 - CENG	Period 09/01/16 - 09/30/16
CITY OF HENDERSON	MSC5026161	11/17/2016	544.48	RF.HEN01I14.2-3 - CENG	Period 10/01/16 - 10/31/16
CITY OF HENDERSON	MSC5026519	12/01/2016	226.16	RF.HEN01I14.2-3 - CENG	Period 11/01/16 - 11/30/16
CITY OF HENDERSON	MSC5026488	01/19/2017	333.37	RF.HEN01I14.2-3 - CENG	Period 12/01/16 - 12/31/16

Project Audit Report

Project: RF.HEN01I14, Pittman Wash, Duck Creek at I-515

Status: Open

6/27/2017



Purchase Order - 4800006817 00010

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5026669	02/22/2017	919.63	RF.HEN01I14.2-3 - CENG	Period 1/1/17 - 1/31/17
CITY OF HENDERSON	MSC5026831	03/23/2017	419.39	RF.HEN01I14.2-3 - CENG	Period 2/01/17 - 2/28/17
CITY OF HENDERSON	MSC5027146	05/17/2017	86.08	RF.HEN01I14.2-3 - CENG	Period 4/01/17 - 4/30/17
CITY OF HENDERSON	MSC5027284	06/14/2017	129.10	RF.HEN01I14.2-3 - CENG	Period 5/01/17 - 5/31/17
WBS Total			\$23,906.47		
Purchase Order Total			\$23,906.47		

Purchase Order - 4800006818 00010

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
LAS VEGAS PAVING CORP	HEN01I14#5	08/19/2015	90,516.56	RF.HEN01I14.3-1F - CONS	RF.HEN01I14.3-1F Period ending 7/31/2015
LAS VEGAS PAVING CORP	HEN01I14#6	09/15/2015	74,380.45	RF.HEN01I14.3-1F - CONS	RF.HEN01I14.3-1F P/E 8/31/2015
LAS VEGAS PAVING CORP	HEN01I14#7	09/30/2015	16,297.40	RF.HEN01I14.3-1F - CONS	RF.HEN01I14.3-1F P/E 9/30/15
LAS VEGAS PAVING CORP	HEN01I14#8	10/31/2015	40,686.70	RF.HEN01I14.3-1F - CONS	RF.HEN01I14 Period ending 10/31/15
LAS VEGAS PAVING CORP	HEN01I14#9	12/03/2015	234,353.19	RF.HEN01I14.3-1F - CONS	RF.HEN01I14.3-1F Period ending 11/30/15
LAS VEGAS PAVING CORP	HEN01I14#10	12/30/2015	206,471.20	RF.HEN01I14.3-1F - CONS	RF.HEN01I14.3-1F Period Ending 12/30/2015
LAS VEGAS PAVING CORP	HEN01I14#11	01/31/2016	518,886.18	RF.HEN01I14.3-1F - CONS	Period 1/31/2016
LAS VEGAS PAVING CORP	HEN01I14#12	02/29/2016	113,528.36	RF.HEN01I14.3-1F - CONS	Period Ending 2/29/16
LAS VEGAS PAVING CORP	HEN01I14#13	03/31/2016	352,506.14	RF.HEN01I14.3-1F - CONS	Period 3/31/2016

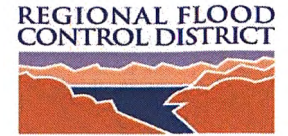
Project Audit Report

Project: RF.HEN01I14, Pittman Wash, Duck Creek at I-515

Status: Open

6/27/2017

Purchase Order - 4800006818 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
LAS VEGAS PAVING CORP	HEN01I14#14	04/30/2016	191,973.35	RF.HEN01I14.3-1F - CONS	Period 4/30/2016
LAS VEGAS PAVING CORP	HEN01I14#15	05/31/2016	185,334.86	RF.HEN01I14.3-1F - CONS	Period 5/31/2016
LAS VEGAS PAVING CORP	HEN01I14#16	06/30/2016	106,777.12	RF.HEN01I14.3-1F - CONS	
LAS VEGAS PAVING CORP	HEN01I14#17	07/31/2016	66,353.49	RF.HEN01I14.3-1F - CONS	Period 7/31/2016
LAS VEGAS PAVING CORP	HEN01I14#18	09/30/2016	18,727.50	RF.HEN01I14.3-1F - CONS	Period 9/30/2016
LAS VEGAS PAVING CORP	HEN01I14#19	10/31/2016	13,477.50	RF.HEN01I14.3-1F - CONS	Period 10/31/16
LAS VEGAS PAVING CORP	HEN01I14#20	01/03/2017	19,250.00	RF.HEN01I14.3-1F - CONS	Period 1/03/17
LAS VEGAS PAVING CORP	HEN01I14#21	04/03/2017	21,618.50	RF.HEN01I14.3-1F - CONS	Period 3/31/17
	WBS Total		\$2,271,138.50		
	Purchase Order Total		\$2,271,138.50		
	Project Expense Total		\$2,295,044.97		

Clark County Regional Flood Control District
Final Accounting Report
Report Date 6/27/2017



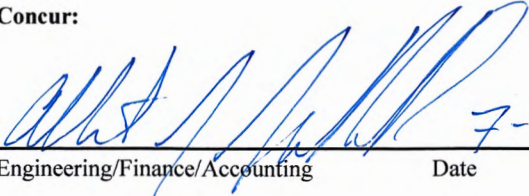
Project: RF.HEN04P09, Racetrack Channel, Drake to Burkholder
Interlocal Value: \$247,099.00

Funding Category	Right of Way	Predesign	Design	Construction	Construction Mgt	Environmental	Other
Interlocal Funding Allocation	\$0.00	\$0.00	\$242,099.00	\$0.00	\$0.00	\$5,000.00	\$0.00
Amount Spent by Category	\$0.00	\$0.00	\$72,214.93	\$0.00	\$0.00	\$4,200.00	\$0.00
Remaining by Category	\$0.00	\$0.00	\$169,884.07	\$0.00	\$0.00	\$800.00	\$0.00

<u>Funding / Expenditure Summary</u>	
Interlocal Agreement:	\$247,099.00
Minus Amount Spent:	\$76,414.93
Amount to be Returned for Future Use:	<u>\$170,684.07</u>


ID Miles: C1RT0001, C1RT0016, C1RT0041

Concur:



 Engineering/Finance/Accounting Date 7-18-17

Accepted and Approved:



 Public Works Director Date 7-18-17

Project Audit Report

Project: RF.HEN04P09, Racetrack Channel, Drake to Burkholder

Status: Open

6/27/2017

Purchase Order - 4800002767 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5012345	03/01/2010	52.82	RF.HEN04P09.2-2D - DENG	COH Labor February 2010
CITY OF HENDERSON	MSC5012344	03/01/2010	105.65	RF.HEN04P09.2-2D - DENG	COH Labor January 2010
CITY OF HENDERSON	MSC5012575	04/01/2010	316.95	RF.HEN04P09.2-2D - DENG	COH Labor March 2010
CITY OF HENDERSON	MSC5012661	05/01/2010	132.07	RF.HEN04P09.2-2D - DENG	COH Labor April 2010
CITY OF HENDERSON	MSC5012999	05/30/2010	264.13	RF.HEN04P09.2-2D - DENG	COH Labor May 2010, FY 09-10
CITY OF HENDERSON	MSC5013312	08/01/2010	105.65	RF.HEN04P09.2-2D - DENG	COH Labor July 2010
CITY OF HENDERSON	MSC5013518	09/01/2010	51.66	RF.HEN04P09.2-2D - DENG	COH Labor August 2010
CITY OF HENDERSON	MSC5013726	10/01/2010	1,086.68	RF.HEN04P09.2-2D - DENG	COH Labor September 2010
CITY OF HENDERSON	MSC5013935	11/01/2010	2,990.41	RF.HEN04P09.2-2D - DENG	COH Labor thru October 31, 2010
CITY OF HENDERSON	MSC5014125	12/01/2010	1,953.75	RF.HEN04P09.2-2D - DENG	COH Labor November 2010
CITY OF HENDERSON	MSC5014195	01/01/2011	290.77	RF.HEN04P09.2-2D - DENG	COH Labor December 2010
CITY OF HENDERSON	MSC5014457	02/01/2011	394.34	RF.HEN04P09.2-2D - DENG	COH Labor January 2011
CITY OF HENDERSON	MSC5014586	03/01/2011	26.42	RF.HEN04P09.2-2D - DENG	COH Labor February 2011
CITY OF HENDERSON	MSC5014708	04/01/2011	316.96	RF.HEN04P09.2-2D - DENG	COH Labor March 2011
CITY OF HENDERSON	MSC5014855	05/01/2011	79.23	RF.HEN04P09.2-2D - DENG	COH Labor April 2011
CITY OF HENDERSON	MSC5015125	06/01/2011	414.24	RF.HEN04P09.2-2D - DENG	COH Labor May 2011, FY 2010/2011
CITY OF HENDERSON	MSC5015244	06/30/2011	2,870.06	RF.HEN04P09.2-2D - DENG	COH Labor June 2011, FY 10/11

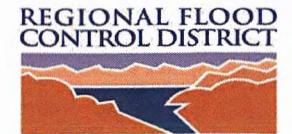
Project Audit Report

Project: RF.HEN04P09, Racetrack Channel, Drake to Burkholder

Status: Open

6/27/2017

Purchase Order - 4800002767 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5015482	09/01/2011	990.20	RF.HEN04P09.2-2D - DENG	COH Labor July 2011, FY 2011/2012
CITY OF HENDERSON	MSC5015574	09/01/2011	105.81	RF.HEN04P09.2-2D - DENG	COH Labor August 2011
CITY OF HENDERSON	MSC5015888	11/01/2011	349.95	RF.HEN04P09.2-2D - DENG	COH Labor October 2011
CITY OF HENDERSON	MSC5016024	12/01/2011	687.83	RF.HEN04P09.2-2D - DENG	COH Labor November 2011
CITY OF HENDERSON	MSC5016170	01/01/2012	275.46	RF.HEN04P09.2-2D - DENG	COH Labor December 2011
CITY OF HENDERSON	MSC5016368	02/01/2012	2,446.26	RF.HEN04P09.2-2D - DENG	COH Labor January 2012
CITY OF HENDERSON	MSC5016519	03/01/2012	622.23	RF.HEN04P09.2-2D - DENG	COH Labor February 2012
CITY OF HENDERSON	MSC5016636	04/01/2012	3,865.76	RF.HEN04P09.2-2D - DENG	March 2012 Labor
CITY OF HENDERSON	MSC5016862	05/01/2012	584.96	RF.HEN04P09.2-2D - DENG	April 2012.
CITY OF HENDERSON	MSC5017037	06/01/2012	209.81	RF.HEN04P09.2-2D - DENG	May 2012.
CITY OF HENDERSON	MSC5017124	06/30/2012	280.12	RF.HEN04P09.2-2D - DENG	June 2012.
CITY OF HENDERSON	MSC5017313	08/01/2012	3,602.85	RF.HEN04P09.2-2D - DENG	July 2012
CITY OF HENDERSON	MSC5017486	09/01/2012	3,617.95	RF.HEN04P09.2-2D - DENG	Biling through August 2012
CITY OF HENDERSON	MSC5017744	10/01/2012	3,358.47	RF.HEN04P09.2-2D - DENG	Billing 9/2012
CITY OF HENDERSON	MSC5017873	11/01/2012	237.06	RF.HEN04P09.2-2D - DENG	Billing 10/2012
CITY OF HENDERSON	MSC5018055	12/01/2012	62.54	RF.HEN04P09.2-2D - DENG	Period 11/2012
CITY OF HENDERSON	MSC5018099	01/01/2013	206.88	RF.HEN04P09.2-2D - DENG	Billing 12/2012

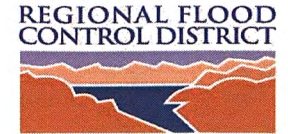
Project Audit Report

Project: RF.HEN04P09, Racetrack Channel, Drake to Burkholder

Status: Open

6/27/2017

Purchase Order - 4800002767 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5018404	02/01/2013	111.14	RF.HEN04P09.2-2D - DENG	Billing 01/2013
CITY OF HENDERSON	MSC5019208	07/01/2013	140.88	RF.HEN04P09.2-2D - DENG	Bench Test and Repair 585 s/n 1590 8/30/13
CITY OF HENDERSON	MSC5019333	09/01/2013	170.75	RF.HEN04P09.2-2D - DENG	Billing 8/2013
CITY OF HENDERSON	MSC5019514	10/01/2013	56.91	RF.HEN04P09.2-2D - DENG	
CITY OF HENDERSON	MSC5019793	12/01/2013	113.84	RF.HEN04P09.2-2D - DENG	HEN04P09.2-2D 11/1-11/30/2013
CITY OF HENDERSON	MSC5020040	01/01/2014	657.33	RF.HEN04P09.2-2D - DENG	HEN04P09.2-2D 12/1/2013 through 12/31/2013
CITY OF HENDERSON	MSC5020070	02/01/2014	113.81	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D 1/1/2014 through 1/31/2014
CITY OF HENDERSON	MSC5020339	03/01/2014	256.47	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D 2/1/14 - 2/28/14
CITY OF HENDERSON	MSC5020517	04/01/2014	549.92	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D March 2014
CITY OF HENDERSON	MSC5020548	05/01/2014	1,061.84	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D April 2014
CITY OF HENDERSON	MSC5020845	06/30/2014	113.81	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D 6/1/14 - 6/30/14
CITY OF HENDERSON	MSC5021215	08/01/2014	98.99	RF.HEN04P09.2-2D - DENG	
CITY OF HENDERSON	MSC5021469	09/01/2014	378.94	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D 8/1/14 - 8/31/14
CITY OF HENDERSON	MSC5022157	12/01/2014	49.49	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D 11/1/14 - 11/30/14
CITY OF HENDERSON	MSC5022393	03/01/2015	1,568.70	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D 2/1/15 - 2/28/15
CITY OF HENDERSON	MSC5022636	04/01/2015	313.74	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D 3/1/15 - 3/31/15
CITY OF HENDERSON	MSC5022681	05/01/2015	3,650.53	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D 4/1/15 - 4/30/15

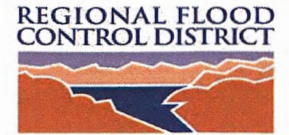
Project Audit Report

Project: RF.HEN04P09, Racetrack Channel, Drake to Burkholder

Status: Open

6/27/2017

Purchase Order - 4800002767 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5022892	06/01/2015	4,285.65	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D 5/1/15 - 5/31/15
CITY OF HENDERSON	MSC5023000	06/30/2015	5,401.29	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D 6/1/15 - 6/31/15
CITY OF HENDERSON	MSC5023517	08/01/2015	6,399.11	RF.HEN04P09.2-2D - DENG	Period 7/2015
CITY OF HENDERSON	MSC5023557	09/01/2015	2,686.74	RF.HEN04P09.2-2D - DENG	Period 8/2015
CITY OF HENDERSON	MSC5023820	10/01/2015	1,550.91	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D Period of 9/1/15 - 9/30/15
CITY OF HENDERSON	MSC5023944	11/01/2015	1,339.54	RF.HEN04P09.2-2D - DENG	RF.HEN04P.2-2D Oct 2015
CITY OF HENDERSON	MSC5024095	12/01/2015	1,868.48	RF.HEN04P09.2-2D - DENG	Period 11/1/15-11/30/15
CITY OF HENDERSON	MSC5024417	01/01/2016	2,129.04	RF.HEN04P09.2-2D - DENG	Period 12/01/15 - 12/31/15
CITY OF HENDERSON	MSC5024455	02/01/2016	1,466.33	RF.HEN04P09.2-2D - DENG	Period 1/1/2016 - 1/31/2016
CITY OF HENDERSON	MSC5024905	03/01/2016	1,626.09	RF.HEN04P09.2-2D - DENG	Period 2/01/16 - 2/29/16
CITY OF HENDERSON	MSC5025127	06/01/2016	327.34	RF.HEN04P09.2-2D - DENG	Period 5/01/16 - 5/31/16
CITY OF HENDERSON	MSC5025314	06/30/2016	316.89	RF.HEN04P09.2-2D - DENG	RF.HEN04P09.2-2D 6/1/16 - 6/30/16
CITY OF HENDERSON	MSC5026165	11/17/2016	261.68	RF.HEN04P09.2-2D - DENG	Period 10/01/16 - 10/31/16
CITY OF HENDERSON	MSC5026523	12/01/2016	192.82	RF.HEN04P09.2-2D - DENG	Period 11/01/16 - 11/30/16
WBS Total			\$72,214.93		
Purchase Order Total			\$72,214.93		

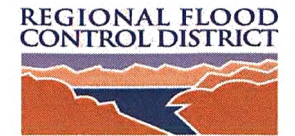
Project Audit Report

Project: RF.HEN04P09, Racetrack Channel, Drake to Burkholder

Status: Open

6/27/2017

Purchase Order - 4800003475 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
TERRACON INC	T173335	12/06/2010	3,400.00	RF.HEN04P09.6 - ENVR	Geo Eng Report
TERRACON INC	T32296	07/09/2012	800.00	RF.HEN04P09.6 - ENVR	Hen04P09 / C-1 Channel Racetrack Rd
WBS Total			\$4,200.00		
Purchase Order Total			\$4,200.00		

Purchase Order - none

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
REGIONAL FLOOD CONTROL/TREAS	1014012087	06/30/2014	113.81	RF.HEN04P09.2-2D - DENG	Manual AP - Doc 3115004805
REGIONAL FLOOD CONTROL/TREAS	1915001086	08/30/2014	(113.81)	RF.HEN04P09.2-2D - DENG	Manual AP - Doc 3115004805
WBS Total			\$0.00		
Purchase Order Total			\$0.00		
Project Expense Total			\$76,414.93		

Clark County Regional Flood Control District
Final Accounting Report
Report Date 6/27/2017

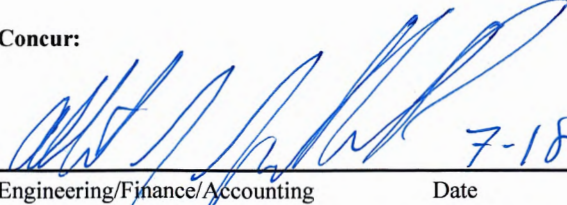


Project: RF.HEN04Q15, Racetrack Channel, Drake to Burkholder
Interlocal Value: \$1,037,650.00


Funding Category	Right of Way	Predesign	Design	Construction	Construction Mgt	Environmental	Other
Interlocal Funding Allocation	\$0.00	\$0.00	\$0.00	\$903,650.00	\$134,000.00	\$0.00	\$0.00
Amount Spent by Category	\$0.00	\$0.00	\$0.00	\$774,429.61	\$59,518.85	\$0.00	\$0.00
Remaining by Category	\$0.00	\$0.00	\$0.00	\$129,220.39	\$74,481.15	\$0.00	\$0.00

<u>Funding / Expenditure Summary</u>	
Interlocal Agreement:	\$1,037,650.00
Minus Amount Spent:	\$833,948.46
Amount to be Returned for Future Use:	<u>\$203,701.54</u>

ID Miles: C1RT0001, C1RT0016, C1RT0041

Concur:


 Engineering/Finance/Accounting Date 7-18-17

Accepted and Approved:


 Public Works Director Date 7-18-17

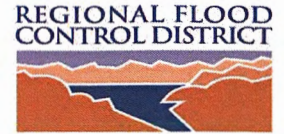
Project Audit Report

Project: RF.HEN04Q15, Racetrack Channel, Drake to Burkholder

Status: Open

6/27/2017

Purchase Order - 4800007358 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5024456	02/01/2016	2,783.05	RF.HEN04Q15.2-3 - CENG	Period 1/1/2016 - 1/31/2016
CITY OF HENDERSON	MSC5024906	03/01/2016	8,670.44	RF.HEN04Q15.2-3 - CENG	Period 2/01/16 - 2/29/16
CITY OF HENDERSON	MSC5024967	04/01/2016	4,384.54	RF.HEN04Q15.2-3 - CENG	Period 3/01/16 - 3/31/16
CITY OF HENDERSON	MSC5025013	05/01/2016	6,458.89	RF.HEN04Q15.2-3 - CENG	Period 4/01/16 - 4/30/16
CITY OF HENDERSON	MSC5025128	06/01/2016	7,716.75	RF.HEN04Q15.2-3 - CENG	Period 5/01/16 - 5/31/16
CITY OF HENDERSON	MSC5025313	06/30/2016	5,152.11	RF.HEN04Q15.2-3 - CENG	RF.HEN04Q15.2-3 6/1/16 - 6/30/16
CITY OF HENDERSON	MSC5025624	08/30/2016	2,319.54	RF.HEN04Q15.2-3 - CENG	Period 7/1/16 - 7/31/16
CITY OF HENDERSON	MSC5025849	09/01/2016	3,198.93	RF.HEN04Q15.2-3 - CENG	Period 09/01/2016
CITY OF HENDERSON	MSC5025942	10/24/2016	2,863.93	RF.HEN04Q15.2-3 - CENG	Period 9/1/16 - 9/30/16
CITY OF HENDERSON	MSC5026164	11/17/2016	3,509.61	RF.HEN04Q15.2-3 - CENG	Period 10/01/16 - 10/31/16
CITY OF HENDERSON	MSC5026522	12/01/2016	3,643.52	RF.HEN04Q15.2-3 - CENG	Period 11/01/16 - 11/30/16
CITY OF HENDERSON	MSC5026491	01/19/2017	4,303.82	RF.HEN04Q15.2-3 - CENG	Period 12/01/16 - 12/31/16
CITY OF HENDERSON	MSC5026672	02/22/2017	2,433.97	RF.HEN04Q15.2-3 - CENG	Period 1/1/17-1/31/17
CITY OF HENDERSON	MSC5026834	03/23/2017	1,476.50	RF.HEN04Q15.2-3 - CENG	Period 2/01/17 - 2/28/17
CITY OF HENDERSON	MSC5027150	05/17/2017	258.66	RF.HEN04Q15.2-3 - CENG	Period 4/01/17 - 4/30/17
CITY OF HENDERSON	MSC5027288	06/14/2017	344.59	RF.HEN04Q15.2-3 - CENG	Period 5/01/17 - 5/31/17
	WBS Total		\$59,518.85		

Project Audit Report

Project: RF.HEN04Q15, Racetrack Channel, Drake to Burkholder

Status: Open

6/27/2017



Purchase Order Total \$59,518.85

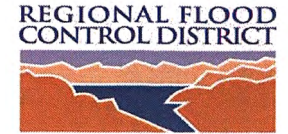
Purchase Order - 4800007360 00010

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
LAS VEGAS PAVING CORP	HEN04Q15#1	02/17/2016	50,774.50	RF.HEN04Q15.3-1F - CONS	Period 1/31/2016
LAS VEGAS PAVING CORP	HEN04Q15#2	02/29/2016	487,230.78	RF.HEN04Q15.3-1F - CONS	Period 2/29/2016
LAS VEGAS PAVING CORP	HEN04Q15#3.	03/31/2016	39,595.65	RF.HEN04Q15.3-1F - CONS	Period 3/31/2016
LAS VEGAS PAVING CORP	HEN04Q15#5	04/30/2016	50,686.50	RF.HEN04Q15.3-1F - CONS	Period 4/30/2016
LAS VEGAS PAVING CORP	HEN04Q15#6	05/31/2016	48,345.93	RF.HEN04Q15.3-1F - CONS	Period 5/31/2016
LAS VEGAS PAVING CORP	HEN04Q15#7	06/30/2016	72,655.91	RF.HEN04Q15.3-1F - CONS	Period 6/30/16
LAS VEGAS PAVING CORP	HEN04Q15#8	07/31/2016	3,306.50	RF.HEN04Q15.3-1F - CONS	Period 7/31/2016
LAS VEGAS PAVING CORP	HEN04Q15#9	08/31/2016	7,030.64	RF.HEN04Q15.3-1F - CONS	Period 8/31/16
LAS VEGAS PAVING CORP	HEN04Q15#10	09/30/2016	5,405.99	RF.HEN04Q15.3-1F - CONS	Period 9/30/2016
LAS VEGAS PAVING CORP	HEN04Q15#11	10/31/2016	5,235.00	RF.HEN04Q15.3-1F - CONS	Period 10/31/16
LAS VEGAS PAVING CORP	HEN04Q15#12	11/30/2016	2,094.32	RF.HEN04Q15.3-1F - CONS	Period 11/30/16
LAS VEGAS PAVING CORP	HEN04Q15#16F	03/31/2017	2,067.89	RF.HEN04Q15.3-1F - CONS	Period 03/31/17
WBS Total			<u>\$774,429.61</u>		
Purchase Order Total			<u>\$774,429.61</u>		
Project Expense Total			<u>\$833,948.46</u>		

Clark County Regional Flood Control District

Final Accounting Report

Report Date 7/13/2017



Project: RF.HEN24A11, Duck Creek, Sunset to Sandhill

Interlocal Value: \$590,746.00

Funding Category	Right of Way	Predesign	Design	Construction	Construction Mgt	Environmental	Other
Interlocal Funding Allocation	\$39,006.00	\$0.00	\$324,421.00	\$0.00	\$0.00	\$161,839.00	\$65,480.00
Amount Spent by Category	\$39,006.00	\$0.00	\$286,358.31	\$0.00	\$0.00	\$154,938.25	\$55,681.28
Remaining by Category	\$0.00	\$0.00	\$38,062.69	\$0.00	\$0.00	\$6,900.75	\$9,798.72

<u>Funding / Expenditure Summary</u>	
Interlocal Agreement:	\$590,746.00
Minus Amount Spent:	\$535,983.84
Amount to be Returned for Future Use:	<u>\$54,762.16</u>

ID Miles: DCWA0648, DCWA0656, DCWA0670

Concur:

[Handwritten Signature]

 Engineering/Finance/Accounting Date 7-18-17

Accepted and Approved:

[Handwritten Signature]

 Public Works Director Date 7-18-17

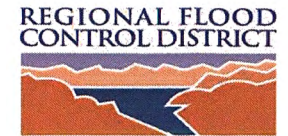
Project Audit Report

Project: RF.HEN24A11, Duck Creek, Sunset to Sandhill

Status: Open

7/13/2017

Purchase Order - 4800004138 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5015485	09/01/2011	138.30	RF.HEN24A11.2-2D - DENG	COH Labor July 2011, FY 2011/2012
CITY OF HENDERSON	MSC5015576	09/01/2011	4,472.76	RF.HEN24A11.2-2D - DENG	COH Labor August 2011
CITY OF HENDERSON	MSC5015708	10/01/2011	4,668.57	RF.HEN24A11.2-2D - DENG	COH Labor September 2011
CITY OF HENDERSON	MSC5015891	11/01/2011	2,376.57	RF.HEN24A11.2-2D - DENG	COH Labor October 2011
CITY OF HENDERSON	MSC5016027	12/01/2011	1,171.51	RF.HEN24A11.2-2D - DENG	COH Labor November 2011
CITY OF HENDERSON	MSC5016173	01/01/2012	2,411.42	RF.HEN24A11.2-2D - DENG	COH Labor December 2011
CITY OF HENDERSON	MSC5016371	02/01/2012	1,194.72	RF.HEN24A11.2-2D - DENG	COH Labor January 2012
CITY OF HENDERSON	MSC5016523	03/01/2012	2,099.32	RF.HEN24A11.2-2D - DENG	COH Labor February 2012
CITY OF HENDERSON	MSC5016866	05/01/2012	3,487.97	RF.HEN24A11.2-2D - DENG	March and April 2012 billings.
CITY OF HENDERSON	MSC5017033	06/01/2012	2,059.20	RF.HEN24A11.2-2D - DENG	May 2012.
CITY OF HENDERSON	MSC517128	06/30/2012	968.24	RF.HEN24A11.2-2D - DENG	June 2012.
CITY OF HENDERSON	MSC5017312	08/01/2012	1,309.11	RF.HEN24A11.2-2D - DENG	July 2012
CITY OF HENDERSON	MSC-5017490	09/01/2012	1,174.46	RF.HEN24A11.2-2D - DENG	Biling through August 2012
CITY OF HENDERSON	MSC5017748	10/01/2012	1,158.23	RF.HEN24A11.2-2D - DENG	Billing 9/2012
CITY OF HENDERSON	MSC5017877	11/01/2012	716.69	RF.HEN24A11.2-2D - DENG	Billing 10/2012
CITY OF HENDERSON	MSC5018058	12/01/2012	223.00	RF.HEN24A11.2-2D - DENG	Period 11/2012
CITY OF HENDERSON	MSC5018102	01/01/2013	833.97	RF.HEN24A11.2-2D - DENG	Billing 12/2012

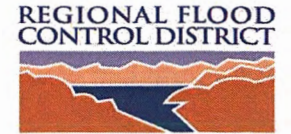
Project Audit Report

Project: RF.HEN24A11, Duck Creek, Sunset to Sandhill

Status: Open

7/13/2017

Purchase Order - 4800004138 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5018407	02/01/2013	925.71	RF.HEN24A11.2-2D - DENG	Billing 01/2013
CITY OF HENDERSON	MSC5018421	03/01/2013	140.88	RF.HEN24A11.2-2D - DENG	Billing 02/2013
CITY OF HENDERSON	MSC5018563	04/01/2013	1,219.37	RF.HEN24A11.2-2D - DENG	Billing 3/01/13
CITY OF HENDERSON	MSC5018709	05/01/2013	3,352.13	RF.HEN24A11.2-2D - DENG	Billing 4/2013
CITY OF HENDERSON	MSC5018775	06/01/2013	3,742.57	RF.HEN24A11.2-2D - DENG	Billing 5/2013
CITY OF HENDERSON	MSC5018900	06/30/2013	745.81	RF.HEN24A11.2-2D - DENG	Billing 6/30/13
CITY OF HENDERSON	MSC5019210	07/01/2013	337.38	RF.HEN24A11.2-2D - DENG	Biling 7/2013
CITY OF HENDERSON	MSC5019336	09/01/2013	713.35	RF.HEN24A11.2-2D - DENG	Billing 8/2013
CITY OF HENDERSON	MSC5019517	10/01/2013	399.18	RF.HEN24A11.2-2D - DENG	
CITY OF HENDERSON	MSC5019753	11/01/2013	3,087.58	RF.HEN24A11.2-2D - DENG	HEN24A11.2 - 2D 2013 - 2014
CITY OF HENDERSON	MSC5019796	12/01/2013	1,019.40	RF.HEN24A11.2-2D - DENG	HEN24A11.2-2D 11/1-11/30/2013
CITY OF HENDERSON	MSC5020043	01/01/2014	110.53	RF.HEN24A11.2-2D - DENG	12/1/2013 through 12/31/2013
CITY OF HENDERSON	MSC5020073	02/01/2014	983.39	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 1/1/2014 through 1/31/2014
CITY OF HENDERSON	MSC5020342	03/01/2014	883.20	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 2/1/14 - 2/2/14
CITY OF HENDERSON	MSC5020521	04/01/2014	2,121.87	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D March 2014
CITY OF HENDERSON	MSC5020552	05/01/2014	541.76	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D April 2014
CITY OF HENDERSON	MSC5020767	06/01/2014	34.03	RF.HEN24A11.2-2D - DENG	May 2014.

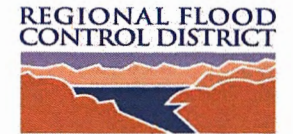
Project Audit Report

Project: RF.HEN24A11, Duck Creek, Sunset to Sandhill

Status: Open

7/13/2017

Purchase Order - 4800004138 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5020849	06/30/2014	1,322.35	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 6/1/14 - 6/30/14
CITY OF HENDERSON	MSC5021219	08/01/2014	2,259.14	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D July 2014
CITY OF HENDERSON	MSC5021473	09/01/2014	1,552.44	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 8/1/14 - 8/31/14
CITY OF HENDERSON	MSC5021510	10/01/2014	2,361.72	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D Period of 9/1/14 - 9/30/14
CITY OF HENDERSON	MSC5021589	11/01/2014	568.72	RF.HEN24A11.2-2D - DENG	Period of 10/1/14 - 10/31/14
CITY OF HENDERSON	MSC5022161	12/01/2014	914.12	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 11/1/14 - 11/30/14
CITY OF HENDERSON	MSC5022205	01/01/2015	4,152.37	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 12/1/14 - 12/31/14
CITY OF HENDERSON	MSC5022249	02/01/2015	7,033.46	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 1/1/15 - 1/31/15
CITY OF HENDERSON	MSC5022397	03/01/2015	624.67	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 2/1/15 - 2/28/15
CITY OF HENDERSON	MSC5022640	04/01/2015	747.33	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 3/1/15 - 3/31/15
CITY OF HENDERSON	MSC5022685	05/01/2015	283.60	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 4/1/15 - 4/30/15
CITY OF HENDERSON	MSC5022896	06/01/2015	373.68	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 5/1/15 - 5/31/15
CITY OF HENDERSON	MSC5023004	06/30/2015	726.85	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 6/1/15 - 6/30/15
CITY OF HENDERSON	MSC5023521	08/01/2015	443.36	RF.HEN24A11.2-2D - DENG	Period 7/2015
CITY OF HENDERSON	MSC5023824	10/01/2015	478.33	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D Period of 9/1/15 - 9/30/15
CITY OF HENDERSON	MSC5024099	12/01/2015	524.74	RF.HEN24A11.2-2D - DENG	Period 11/1/15-11/30/15
CITY OF HENDERSON	MSC5024420	01/01/2016	821.71	RF.HEN24A11.2-2D - DENG	Period 12/01/15 - 12/31/15

Project Audit Report

Project: RF.HEN24A11, Duck Creek, Sunset to Sandhill

Status: Open

7/13/2017



Purchase Order - 4800004138 00010

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5024458	02/01/2016	351.10	RF.HEN24A11.2-2D - DENG	Period 1/1/2016 - 1/31/2016
CITY OF HENDERSON	MSC5024910	03/01/2016	433.92	RF.HEN24A11.2-2D - DENG	Period 2/01/16 - 2/29/16
CITY OF HENDERSON	MSC5024970	04/01/2016	245.81	RF.HEN24A11.2-2D - DENG	Period 3/01/16 - 3/31/16
CITY OF HENDERSON	MSC5025015	05/01/2016	709.34	RF.HEN24A11.2-2D - DENG	Period 4/01/16 - 4/30/16
CITY OF HENDERSON	MSC5025130	06/01/2016	367.44	RF.HEN24A11.2-2D - DENG	Period 5/01/16 - 5/31/16
CITY OF HENDERSON	MSC5025311	06/30/2016	179.74	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D 6/1/16 - 6/30/16
CITY OF HENDERSON	MSC5026524	12/01/2016	268.93	RF.HEN24A11.2-2D - DENG	Period 11/01/16 - 11/30/16
CITY OF HENDERSON	MSC5027008	04/24/2017	133.50	RF.HEN24A11.2-2D - DENG	Period 3/01/17 - 3/31/17
WBS Total			<hr/>		
			\$78,700.55		
Purchase Order Total			<hr/>		
			\$78,700.55		

Purchase Order - 4800004705 00010

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1142796	06/12/2012	13,271.85	RF.HEN24A11.1-2 - ROW	Period through May 27, 2012.
ATKINS NORTH AMERICA INC	1144353	07/09/2012	7,968.84	RF.HEN24A11.1-2 - ROW	Period: 05/28 - 06/30/12.
ATKINS NORTH AMERICA INC	1147078	08/09/2012	1,165.29	RF.HEN24A11.1-2 - ROW	Duck Creek Sunset to Sandhill
ATKINS NORTH AMERICA INC	1150413	09/21/2012	2,273.25	RF.HEN24A11.1-2 - ROW	For Period 7/30/12 to 9/02/12
ATKINS NORTH AMERICA INC	1154214	11/12/2012	624.96	RF.HEN24A11.1-2 - ROW	Period 10/2012

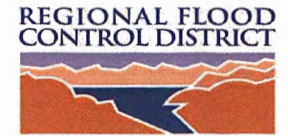
Project Audit Report

Project: RF.HEN24A11, Duck Creek, Sunset to Sandhill

Status: Open

7/13/2017

Purchase Order - 4800004705 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1156660	12/14/2012	319.31	RF.HEN24A11.1-2 - ROW	Period 10/29/12 to 12/02/12
ATKINS NORTH AMERICA INC	1163828	03/22/2013	900.00	RF.HEN24A11.1-2 - ROW	Period 01/28/13 to 03/03/13
ATKINS NORTH AMERICA INC	1165721	04/16/2013	959.19	RF.HEN24A11.1-2 - ROW	Period 3/04/13 - 3/31/13
ATKINS NORTH AMERICA INC	1167559	05/09/2013	280.00	RF.HEN24A11.1-2 - ROW	Period 04/01/13 - 04/28/13
ATKINS NORTH AMERICA INC	1170846	06/24/2013	11,243.31	RF.HEN24A11.1-2 - ROW	Period 4/29/13 - 6/02/13
WBS Total			\$39,006.00		
Purchase Order Total			\$39,006.00		

Purchase Order - 4800004705 00020

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1142796	06/12/2012	10,600.88	RF.HEN24A11.2-2D - DENG	Period through May 27, 2012.
ATKINS NORTH AMERICA INC	1144353	07/09/2012	11,990.10	RF.HEN24A11.2-2D - DENG	Period: 05/28 - 06/30/12.
ATKINS NORTH AMERICA INC	1147078	08/09/2012	3,835.81	RF.HEN24A11.2-2D - DENG	Duck Creek Sunset to Sandhill
ATKINS NORTH AMERICA INC	1150413	09/21/2012	9,960.80	RF.HEN24A11.2-2D - DENG	For Period 7/30/12 to 9/02/12
ATKINS NORTH AMERICA INC	1151839	10/11/2012	1,168.45	RF.HEN24A11.2-2D - DENG	Period 9/03/12 to 9/30/12
ATKINS NORTH AMERICA INC	1154214	11/12/2012	14,882.44	RF.HEN24A11.2-2D - DENG	Period 10/2012
ATKINS NORTH AMERICA INC	1156660	12/14/2012	16,797.32	RF.HEN24A11.2-2D - DENG	Period 10/29/12 to 12/02/12
ATKINS NORTH AMERICA INC	1158459	01/10/2013	22,468.81	RF.HEN24A11.2-2D - DENG	Period 12/03/12 to 12/30/12

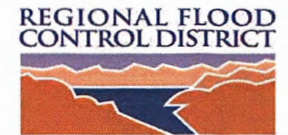
Project Audit Report

Project: RF.HEN24A11, Duck Creek, Sunset to Sandhill

Status: Open

7/13/2017

Purchase Order - 4800004705 00020



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1160966	02/11/2013	6,807.34	RF.HEN24A11.2-2D - DENG	Period 12/31/12 to 01/27/13
ATKINS NORTH AMERICA INC	1163828	03/22/2013	56,713.29	RF.HEN24A11.2-2D - DENG	Period 01/28/13 to 03/03/13
ATKINS NORTH AMERICA INC	1165721	04/16/2013	3,616.48	RF.HEN24A11.2-2D - DENG	Period 3/04/13 - 3/31/13
ATKINS NORTH AMERICA INC	1167559	05/09/2013	763.10	RF.HEN24A11.2-2D - DENG	Period 4/01/13 - 4/28/13
ATKINS NORTH AMERICA INC	1170846	06/24/2013	4,799.34	RF.HEN24A11.2-2D - DENG	Period 4/29/13 - 6/02/13
ATKINS NORTH AMERICA INC	1172493	07/16/2013	311.20	RF.HEN24A11.2-2D - DENG	Period 6/03/13 - 6/30/13
ATKINS NORTH AMERICA INC	1176669	09/13/2013	1,079.84	RF.HEN24A11.2-2D - DENG	Period 7/01/13 to 9/01/13
ATKINS NORTH AMERICA INC	1179591	10/21/2013	7,470.80	RF.HEN24A11.2-2D - DENG	Period: 09/02/13 thru 09/29/13
ATKINS NORTH AMERICA INC	1182115	11/25/2013	8,437.50	RF.HEN24A11.2-2D - DENG	Billing 9/30 through 11/03/13
ATKINS NORTH AMERICA INC	1187647	02/17/2014	1,914.64	RF.HEN24A11.2-2D - DENG	HEN24A11.2-2D.7 W/E 2/2/2014
ATKINS NORTH AMERICA INC	1194492	05/21/2014	7,437.86	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D Period of 2/3/14 - 4/27/14
ATKINS NORTH AMERICA INC	1196083	06/17/2014	2,327.50	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D Period of 4/28/14 - 6/1/2014
ATKINS NORTH AMERICA INC	1198261	07/14/2014	1,578.75	RF.HEN24A11.2-2D - DENG	Period: 06/02/14 - 06/29/14.
ATKINS NORTH AMERICA INC	1200243	08/12/2014	1,578.75	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D Period of 7/1/14 - 7/27/14
ATKINS NORTH AMERICA INC	1201953	09/10/2014	3,752.25	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D July 28 through August 31, 2014
ATKINS NORTH AMERICA INC	1204779	10/16/2014	1,250.75	RF.HEN24A11.2-2D - DENG	RF.HN24A11.2-2D Period of 9/1/14 - 9/28/14
ATKINS NORTH AMERICA INC	1805637	01/20/2015	1,233.54	RF.HEN24A11.2-2D - DENG	RF.LHEN24A11.2-2D 9/29/14 - 12/28/14

Project Audit Report

Project: RF.HEN24A11, Duck Creek, Sunset to Sandhill

Status: Open

7/13/2017



Purchase Order - 4800004705 00020

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1807158	02/13/2015	1,933.80	RF.HEN24A11.2-2D - DENG	RF.HEN24A11.2-2D Period ending 2/1/2015
ATKINS NORTH AMERICA INC	1813083	05/12/2015	1,929.66	RF.HEN24A11.2-2D - DENG	Period 2/02/15 - 5/3/15
ATKINS NORTH AMERICA INC	1815505	06/15/2015	1,016.76	RF.HEN24A11.2-2D - DENG	Period 5/4/2015 - 5/31/2015
WBS Total			\$207,657.76		
Purchase Order Total			\$207,657.76		

Purchase Order - 4800004705 00030

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1142796	06/12/2012	2,029.10	RF.HEN24A11.6 - ENVR	Period through May 27, 2012.
ATKINS NORTH AMERICA INC	1144353	07/09/2012	4,207.55	RF.HEN24A11.6 - ENVR	Period: 05/28 - 06/30/12.
ATKINS NORTH AMERICA INC	1147078	08/09/2012	3,422.11	RF.HEN24A11.6 - ENVR	Duck Creek Sunset tp Sanhill
ATKINS NORTH AMERICA INC	1150413	09/21/2012	4,506.92	RF.HEN24A11.6 - ENVR	For Period 7/30/12 to 9/02/12
ATKINS NORTH AMERICA INC	1151839	10/11/2012	3,541.51	RF.HEN24A11.6 - ENVR	Period 9/03/12 to 9/30/12
ATKINS NORTH AMERICA INC	1154214	11/12/2012	16,016.51	RF.HEN24A11.6 - ENVR	Period 10/2012
ATKINS NORTH AMERICA INC	1156660	12/14/2012	5,420.84	RF.HEN24A11.6 - ENVR	Period 10/29/12 to 12/02/12
ATKINS NORTH AMERICA INC	1158459	01/10/2013	4,228.65	RF.HEN24A11.6 - ENVR	Period 12/03/12 to 12/30/12
ATKINS NORTH AMERICA INC	1160966	02/11/2013	5,365.38	RF.HEN24A11.6 - ENVR	Period 12/31/12 to 01/27/13
ATKINS NORTH AMERICA INC	1163828	03/22/2013	1,738.03	RF.HEN24A11.6 - ENVR	Period 01/28/13 to 03/03/13

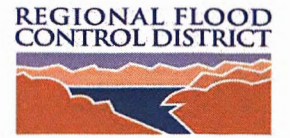
Project Audit Report

Project: RF.HEN24A11, Duck Creek, Sunset to Sandhill

Status: Open

7/13/2017

Purchase Order - 4800004705 00030



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1165721	04/16/2013	4,974.92	RF.HEN24A11.6 - ENVR	Period 3/04/13 - 3/31/13
ATKINS NORTH AMERICA INC	1167559	05/09/2013	6,136.67	RF.HEN24A11.6 - ENVR	Period 4/01/13 - 4/28/13
ATKINS NORTH AMERICA INC	1170846	06/24/2013	127.34	RF.HEN24A11.6 - ENVR	Period 4/29/13 - 6/02/13
ATKINS NORTH AMERICA INC	1172493	07/16/2013	3,454.83	RF.HEN24A11.6 - ENVR	Period 6/03/13 - 6/30/13
ATKINS NORTH AMERICA INC	1179591	10/21/2013	697.64	RF.HEN24A11.6 - ENVR	Period: 09/02/13 thru 09/29/13
WBS Total			\$65,868.00		
Purchase Order Total			\$65,868.00		

Purchase Order - 4800004705 00040

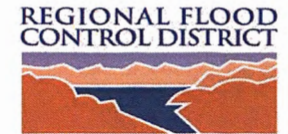
<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1142796	06/12/2012	2,930.40	RF.HEN24A11.7 - OTHE	Period through May 27, 2012.
ATKINS NORTH AMERICA INC	1144353	07/09/2012	4,262.40	RF.HEN24A11.7 - OTHE	Period: 05/28 - 06/30/12.
ATKINS NORTH AMERICA INC	1156660	12/14/2012	3,777.55	RF.HEN24A11.7 - OTHE	Period 10/29/12 to 12/02/12
ATKINS NORTH AMERICA INC	1163828	03/22/2013	2,882.45	RF.HEN24A11.7 - OTHE	Period 01/28/13 to 03/03/13
ATKINS NORTH AMERICA INC	1165721	04/16/2013	799.20	RF.HEN24A11.7 - OTHE	Period 3/04/13 - 3/31/13
ATKINS NORTH AMERICA INC	1167559	05/09/2013	2,080.58	RF.HEN24A11.7 - OTHE	Period 4/01/13 - 4/28/13
ATKINS NORTH AMERICA INC	1170846	06/24/2013	1,646.36	RF.HEN24A11.7 - OTHE	Period 4/29/13 - 6/02/13
ATKINS NORTH AMERICA INC	1179591	10/21/2013	4,399.92	RF.HEN24A11.7 - OTHE	Period: 09/02/13 thru 09/29/13

Project Audit Report

Project: RF.HEN24A11, Duck Creek, Sunset to Sandhill

Status: Open

7/13/2017



Purchase Order - 4800004705 00040

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1182115	11/25/2013	3,274.05	RF.HEN24A11.7 - OTHE	Billing 9/30 through 11/03/13
ATKINS NORTH AMERICA INC	1187647	02/17/2014	2,917.08	RF.HEN24A11.7 - OTHE	HEN24A11.2-2D.7 W/E 2/2/2014
ATKINS NORTH AMERICA INC	1828517	12/18/2015	600.00	RF.HEN24A11.7 - OTHE	RF.HEN24A11.7 10/1/15 - 11/29/15
ATKINS NORTH AMERICA INC	1830530	01/27/2016	9,470.01	RF.HEN24A11.7 - OTHE	Period 11/30/15 - 1/31/16
ATKINS NORTH AMERICA INC	1840053	06/20/2016	5,050.00	RF.HEN24A11.7 - OTHE	RF.HEN24A11.7 2/1/16 - 5/29/16
ATKINS NORTH AMERICA INC	1846591	10/11/2016	317.28	RF.HEN24A11.7 - OTHE	Period 7/1/16 - 10/2/16
WBS Total			\$44,407.28		
Purchase Order Total			\$44,407.28		

Purchase Order - 4800004705 00050

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1142796	06/12/2012	137.61	RF.HEN24A11.10 - OTHE	Period through May 27, 2012.
ATKINS NORTH AMERICA INC	1150413	09/21/2012	8,881.59	RF.HEN24A11.10 - OTHE	For Period 7/30/12 to 9/02/12
ATKINS NORTH AMERICA INC	1151839	10/11/2012	2,254.80	RF.HEN24A11.10 - OTHE	Period 9/03/12 to 9/30/12
WBS Total			\$11,274.00		
Purchase Order Total			\$11,274.00		

Purchase Order - none

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
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Project Audit Report

Project: RF.HEN24A11, Duck Creek, Sunset to Sandhill

Status: Open

7/13/2017

Purchase Order - none

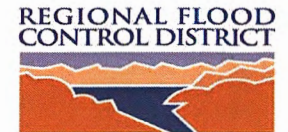


<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
REGIONAL FLOOD CONTROL/TREAS	1014012087	06/30/2014	1,322.35	RF.HEN24A11.2-2D - DENG	Manual AP - Doc 3115004857
REGIONAL FLOOD CONTROL/TREAS	1915001086	08/30/2014	(1,322.35)	RF.HEN24A11.2-2D - DENG	Manual AP - Doc 3115004857
WBS Total			\$0.00		
REGIONAL FLOOD CONTROL/TREAS	1014007369	02/27/2014	89,070.25	RF.HEN24A11.6 - ENVR	Allocate Wetlands Credits to HEN24A11
WBS Total			\$89,070.25		
Purchase Order Total			\$89,070.25		
Project Expense Total			\$535,983.84		

Clark County Regional Flood Control District

Final Accounting Report

Report Date 7/25/2017



Project: RF.HEN01H09, Pittman Wash, Duck Creek at I-515


Interlocal Value: \$402,705.00

Funding Category	Right of Way	Predesign	Design	Construction	Construction Mgt	Environmental	Other
Interlocal Funding Allocation	\$9,934.00	\$0.00	\$372,370.00	\$0.00	\$0.00	\$20,401.00	\$0.00
Amount Spent by Category	\$9,934.00	\$0.00	\$319,478.57	\$0.00	\$0.00	\$20,401.00	\$0.00
Remaining by Category	\$0.00	\$0.00	\$52,891.43	\$0.00	\$0.00	\$0.00	\$0.00

<u>Funding / Expenditure Summary</u>	
Interlocal Agreement:	\$402,705.00
Minus Amount Spent:	\$349,813.57
Amount to be Returned for Future Use:	<u>\$52,891.43</u>

ID Miles: PTDC0074

Concur:


 Engineering/Finance/Accounting 8-14-17
 Date

Accepted and Approved:


 Public Works Director 8/10/17
 Date

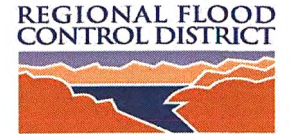
Project Audit Report

Project: RF.HEN01H09, Pittman Wash, Duck Creek at I-515

Status: Open

7/25/2017

Purchase Order - 4800002395 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5011088	08/01/2009	176.75	RF.HEN01H09.2-2D - DENG	COH Labor August 1, 2009
CITY OF HENDERSON	MSC5011225	09/01/2009	50.50	RF.HEN01H09.2-2D - DENG	COH Labor August 31, 2009
CITY OF HENDERSON	MSC5011432	10/01/2009	75.76	RF.HEN01H09.2-2D - DENG	COH Labor September 2009
CITY OF HENDERSON	MSC5011671	11/01/2009	49.12	RF.HEN01H09.2-2D - DENG	COH Labor October 1, thru 31, 2009
CITY OF HENDERSON	MSC5012653	05/01/2010	26.42	RF.HEN01H09.2-2D - DENG	COH Labor April 2010
CITY OF HENDERSON	MSC5012991	05/30/2010	105.65	RF.HEN01H09.2-2D - DENG	COH Labor May 2010, FY 09-10
CITY OF HENDERSON	MSC5013026	06/30/2010	890.62	RF.HEN01H09.2-2D - DENG	COH Labor June 2010, FY 09-10
CITY OF HENDERSON	MSC5013510	09/01/2010	1,052.39	RF.HEN01H09.2-2D - DENG	COH Labor August 2010
CITY OF HENDERSON	MSC5013720	10/01/2010	65.97	RF.HEN01H09.2-2D - DENG	COH Labor September 2010
CITY OF HENDERSON	MSC5013927	11/01/2010	362.67	RF.HEN01H09.2-2D - DENG	COH Labor thru October 31, 2010
CITY OF HENDERSON	MSC5014118	12/01/2010	208.45	RF.HEN01H09.2-2D - DENG	COH Labor November 2010
CITY OF HENDERSON	MSC5014449	02/01/2011	550.99	RF.HEN01H09.2-2D - DENG	COH Labor January 2011
CITY OF HENDERSON	MSC5014579	03/01/2011	1,070.86	RF.HEN01H09.2-2D - DENG	COH Labor February 2011
CITY OF HENDERSON	MSC5014700	04/01/2011	2,276.55	RF.HEN01H09.2-2D - DENG	COH Labor March 2011
CITY OF HENDERSON	MSC5014847	05/01/2011	237.70	RF.HEN01H09.2-2D - DENG	COH Labor April 2011
CITY OF HENDERSON	MSC5015118	06/01/2011	1,377.44	RF.HEN01H09.2-2D - DENG	COH Labor May 2011, FY 2010/2011
CITY OF HENDERSON	MSC5015237	06/30/2011	1,437.31	RF.HEN01H09.2-2D - DENG	COH Labor June 2011, FY 10/11

Project Audit Report

Project: RF.HEN01H09, Pittman Wash, Duck Creek at I-515

Status: Open

7/25/2017

Purchase Order - 4800002395 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5015476	09/01/2011	5,244.66	RF.HEN01H09.2-2D - DENG	COH Labor July 2011, FY 2011/2012
CITY OF HENDERSON	MSC5015568	09/01/2011	4,224.65	RF.HEN01H09.2-2D - DENG	COH Labor August 2011
CITY OF HENDERSON	MSC5015900	11/01/2011	622.05	RF.HEN01H09.2-2D - DENG	Labor - October 2011
CITY OF HENDERSON	MSC5016017	12/01/2011	929.46	RF.HEN01H09.2-2D - DENG	COH Labor November 2011
CITY OF HENDERSON	MSC5016163	01/01/2012	1,218.00	RF.HEN01H09.2-2D - DENG	COH Labor December 2011
CITY OF HENDERSON	MSC5016361	02/01/2012	1,012.98	RF.HEN01H09.2-2D - DENG	COH Labor January 2012
CITY OF HENDERSON	MSC5016512	03/01/2012	1,056.78	RF.HEN01H09.2-2D - DENG	COH Labor February 2012
CITY OF HENDERSON	MSC5016632	04/01/2012	1,356.90	RF.HEN01H09.2-2D - DENG	March 2012 Labor
CITY OF HENDERSON	MSC5016859	05/01/2012	975.03	RF.HEN01H09.2-2D - DENG	April 2012.
CITY OF HENDERSON	MSC5017043	06/01/2012	1,075.21	RF.HEN01H09.2-2D - DENG	May 2012.
CITY OF HENDERSON	MSC5017120	06/30/2012	217.89	RF.HEN01H09.2-2D - DENG	June 2012.
CITY OF HENDERSON	MSC5017308	08/01/2012	713.78	RF.HEN01H09.2-2D - DENG	July 2012
CITY OF HENDERSON	MSC5017481	09/01/2012	1,785.74	RF.HEN01H09.2-2D - DENG	Biling through August 2012
CITY OF HENDERSON	MSC5017737	10/01/2012	355.59	RF.HEN01H09.2-2D - DENG	Billing 9/2012
CITY OF HENDERSON	MSC5017866	11/01/2012	352.37	RF.HEN01H09.2-2D - DENG	Billing 10/2012
CITY OF HENDERSON	MSC5018050	12/01/2012	353.56	RF.HEN01H09.2-2D - DENG	Period 11/2012
CITY OF HENDERSON	MSC5018091	01/01/2013	68.96	RF.HEN01H09.2-2D - DENG	Billing 12/2012

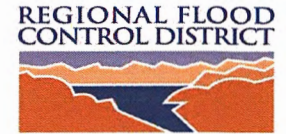
Project Audit Report

Project: RF.HEN01H09, Pittman Wash, Duck Creek at I-515

Status: Open

7/25/2017

Purchase Order - 4800002395 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5018399	02/01/2013	145.86	RF.HEN01H09.2-2D - DENG	Billing 01/2013
CITY OF HENDERSON	MSC5018554	04/01/2013	111.14	RF.HEN01H09.2-2D - DENG	Billing 3/2013
CITY OF HENDERSON	MSC5018892	06/30/2013	112.46	RF.HEN01H09.2-2D - DENG	Billing 6/2013
CITY OF HENDERSON	MSC5019202	07/01/2013	170.06	RF.HEN01H09.2-2D - DENG	Biling 7/2013
CITY OF HENDERSON	MSC5019746	11/01/2013	142.67	RF.HEN01H09.2-2D - DENG	HEN01H09.2 - 2D 2013 - 2014
CITY OF HENDERSON	MSC5019788	12/01/2013	56.91	RF.HEN01H09.2-2D - DENG	HEN01H09.2-2D 11/1-11/30/2013
CITY OF HENDERSON	MSC5020037	01/01/2014	224.37	RF.HEN01H09.2-2D - DENG	HEN01H09.2-2D 12/1/2013 through 12/31/2013
CITY OF HENDERSON	MSC5020065	02/01/2014	113.81	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 1/1/2014 through 1/31/2014
CITY OF HENDERSON	MSC5020345	03/01/2014	256.47	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 2/1/14 - 2/28/14
CITY OF HENDERSON	MSC5020511	04/01/2014	284.51	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D March 2014
CITY OF HENDERSON	MSC5020540	05/01/2014	113.81	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D April 2014
CITY OF HENDERSON	MSC5020839	06/30/2014	1,094.45	RF.HEN01H09.2-2D - DENG	RF.HEN12H09.2-2D 6/1/14 - 6/30/14
CITY OF HENDERSON	MSC5021207	08/01/2014	296.96	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D July 2014
CITY OF HENDERSON	MSC5021464	09/01/2014	475.97	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 8/1/14 - 8/31/14
CITY OF HENDERSON	MSC5021502	10/01/2014	659.57	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D Period of 9/1/14 - 9/30/14
CITY OF HENDERSON	MSC5021581	11/01/2014	237.32	RF.HEN01H09.2-2D - DENG	Period of 10/1/14 - 10/31/14
CITY OF HENDERSON	MSC5022151	12/01/2014	2,314.48	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 11/1/14 - 11/30/2014

Project Audit Report

Project: RF.HEN01H09, Pittman Wash, Duck Creek at I-515

Status: Open

7/25/2017



Purchase Order - 4800002395 00010

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
CITY OF HENDERSON	MSC5022196	01/01/2015	989.67	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 12/1/14 - 12/31/14
CITY OF HENDERSON	MSC5022240	02/01/2015	180.64	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 1/1/15 - 1/31/15
CITY OF HENDERSON	MSC5022387	03/01/2015	2,240.70	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 2/1/15 - 2/28/15
CITY OF HENDERSON	MSC5022629	04/01/2015	923.70	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 3/1/15 - 3/31/15
CITY OF HENDERSON	MSC5022674	05/01/2015	1,916.65	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D April 2015
CITY OF HENDERSON	MSC5022885	06/01/2015	1,161.16	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 5/1/15 - 5/31/15
CITY OF HENDERSON	MSC5022993	06/30/2015	362.10	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 6/1/15 - 6/30/15
CITY OF HENDERSON	MSC5023510	08/01/2015	842.83	RF.HEN01H09.2-2D - DENG	Period 7/2015
CITY OF HENDERSON	MSC5023550	09/01/2015	1,563.64	RF.HEN01H09.2-2D - DENG	Period 8/2015
CITY OF HENDERSON	MSC5023813	10/01/2015	199.58	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D Period of 9/1/15 - 9/30/15
CITY OF HENDERSON	MSC5024087	12/01/2015	1,226.43	RF.HEN01H09.2-2D - DENG	Period 11/1/15-11/30/15
CITY OF HENDERSON	MSC5024899	03/01/2016	300.96	RF.HEN01H09.2-2D - DENG	Period 2/01/16 - 2/29/16
CITY OF HENDERSON	MSC5024962	04/01/2016	596.89	RF.HEN01H09.2-2D - DENG	Period 3/01/16 - 3/31/16
WBS Total			\$50,894.53		
Purchase Order Total			\$50,894.53		

Purchase Order - 4800003810 00010

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
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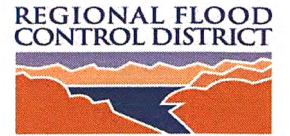
Project Audit Report

Project: RF.HEN01H09, Pittman Wash, Duck Creek at I-515

Status: Open

7/25/2017

Purchase Order - 4800003810 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1110461	05/10/2011	12,744.10	RF.HEN01H09.2-2D - DENG	Invoice November 1, 2010 to May 1, 2011, FY 10/11
ATKINS NORTH AMERICA INC	1115190	07/05/2011	10,649.65	RF.HEN01H09.2-2D - DENG	Invoice period May 2, to June 30, 2011, FY 10/11
ATKINS NORTH AMERICA INC	1120817	09/07/2011	147.04	RF.HEN01H09.2-2D - DENG	Invoicing Period 7/1/11 - 8/28/11
ATKINS NORTH AMERICA INC	1123817	10/12/2011	2,829.65	RF.HEN01H09.2-2D - DENG	Invoicing Period 8/29/11 - 10/2/11
ATKINS NORTH AMERICA INC	1126258	11/09/2011	3,267.20	RF.HEN01H09.2-2D - DENG	Invoicing Period 10/3/11 - 10/30/11
ATKINS NORTH AMERICA INC	1128237	12/06/2011	6,396.85	RF.HEN01H09.2-2D - DENG	Invoicing Period 10/31/11 - 11/27/11
ATKINS NORTH AMERICA INC	1130965	01/11/2012	27,987.30	RF.HEN01H09.2-2D - DENG	Period November 28, 2011 to January 1, 2012
ATKINS NORTH AMERICA INC	1133039	02/06/2012	58,703.96	RF.HEN01H09.2-2D - DENG	Invoice period January 2, thru 29, 2012
ATKINS NORTH AMERICA INC	1135316	03/05/2012	730.00	RF.HEN01H09.2-2D - DENG	Invoice period January 30, thru February 26, 2012
ATKINS NORTH AMERICA INC	1138046	04/10/2012	11,072.80	RF.HEN01H09.2-2D - DENG	Period covered: 02/27/12 through 04/01/12.
ATKINS NORTH AMERICA INC	1139869	05/03/2012	11,860.30	RF.HEN01H09.2-2D - DENG	Period covered: 04/02/12 through 04/29/12.
ATKINS NORTH AMERICA INC	1141863	06/04/2012	1,721.20	RF.HEN01H09.2-2D - DENG	Period: 04/30 - 05/27/12.
ATKINS NORTH AMERICA INC	1144288	07/06/2012	1,101.75	RF.HEN01H09.2-2D - DENG	Period: 05/28/12 - 06/30/12
ATKINS NORTH AMERICA INC	1147372	08/13/2012	149.55	RF.HEN01H09.2-2D - DENG	Period 7/01/12 to 7/29/12
ATKINS NORTH AMERICA INC	1149063	09/10/2012	230.00	RF.HEN01H09.2-2D - DENG	Period 7/30/12 to 9/02/12
ATKINS NORTH AMERICA INC	1178528	10/09/2013	152.50	RF.HEN01H09.2-2D - DENG	HEN01H09.2-2D 9/2 - 9/29/2013
ATKINS NORTH AMERICA INC	1183101	12/12/2013	6,053.50	RF.HEN01H09.2-2D - DENG	HEN01H09.2-2D 11/1-12/01/2013

Project Audit Report

Project: RF.HEN01H09, Pittman Wash, Duck Creek at I-515

Status: Open

7/25/2017



Purchase Order - 4800003810 00010

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1185187	01/14/2014	371.18	RF.HEN01H09.2-2D - DENG	HEN01H09.2-2D 12/1-12/31/2013
ATKINS NORTH AMERICA INC	1187118	02/11/2014	8,475.59	RF.HEN01H09.2-2D - DENG	HEN01H09.2-2D 12/30/2013 - 2/2/2014
ATKINS NORTH AMERICA INC	1202001	09/11/2014	1,031.28	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 7/28/14 - 8/31/2014
ATKINS NORTH AMERICA INC	1204467	10/14/2014	15,278.60	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 9/1/2014 - 9/28/14
ATKINS NORTH AMERICA INC	1803357	12/15/2014	1,342.00	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 9/29/14 - 11/30/14
ATKINS NORTH AMERICA INC	1806223	01/29/2015	124.00	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 12/1/14 - 12/28/14
ATKINS NORTH AMERICA INC	1807290	02/16/2015	41,151.00	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 12/29/14 - 2/1/2015
ATKINS NORTH AMERICA INC	1810792A	04/06/2015	36,765.00	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 2/2/15 - 3/29/15
ATKINS NORTH AMERICA INC	1819506	08/13/2015	207.77	RF.HEN01H09.2-2D - DENG	Period 7/01/15 - 8/02/15
ATKINS NORTH AMERICA INC	1822980	09/30/2015	2,075.37	RF.HEN01H09.2-2D - DENG	Period 8/31/15 - 9/27/15
ATKINS NORTH AMERICA INC	1826195	11/17/2015	39.68	RF.HEN01H09.2-2D - DENG	Period 9/28/15 - 11/01/15
ATKINS NORTH AMERICA INC	1833874	03/15/2016	949.90	RF.HEN01H09.2-2D - DENG	Period 1/01/16 - 2/28/16
WBS Total			\$263,608.72		
Purchase Order Total			\$263,608.72		

Purchase Order - 4800003810 00020

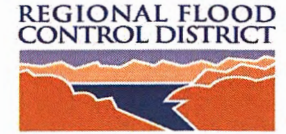
<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1110461A	05/10/2011	4,487.00	RF.HEN01H09.1-2 - ROW	Svcs Nov 1, 2010 - May 1, 2011

Project Audit Report

Project: RF.HEN01H09, Pittman Wash, Duck Creek at I-515

Status: Open

7/25/2017



Purchase Order - 4800003810 00020

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1130965	01/11/2012	817.00	RF.HEN01H09.1-2 - ROW	Period November 28, 2011 to January 1, 2012
ATKINS NORTH AMERICA INC	1133039	02/06/2012	4,630.00	RF.HEN01H09.1-2 - ROW	Invoice period January 2, thru 29, 2012
WBS Total			\$9,934.00		
Purchase Order Total			\$9,934.00		

Purchase Order - 4800003810 00030

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
ATKINS NORTH AMERICA INC	1110461A	05/10/2011	1,177.35	RF.HEN01H09.6 - ENVR	Svcs Nov 1, 2010 - May 1, 2011
ATKINS NORTH AMERICA INC	1110461	05/10/2011	6,500.00	RF.HEN01H09.6 - ENVR	Invoice November 1, 2010 to May 1, 2011, FY 10/11
ATKINS NORTH AMERICA INC	1120817	09/07/2011	792.00	RF.HEN01H09.6 - ENVR	Invoicing Period 7/1/11 - 8/28/11
ATKINS NORTH AMERICA INC	1126258	11/09/2011	171.00	RF.HEN01H09.6 - ENVR	Invoicing Period 10/3/11 - 10/30/11
ATKINS NORTH AMERICA INC	1130965	01/11/2012	1,952.00	RF.HEN01H09.6 - ENVR	Period November 28, 2011 to January 1, 2012
ATKINS NORTH AMERICA INC	1135316	03/05/2012	5,966.65	RF.HEN01H09.6 - ENVR	Invoice period January 30, thru February 26, 2012
ATKINS NORTH AMERICA INC	1204467	10/14/2014	285.00	RF.HEN01H09.6 - ENVR	RF.HEN01H09.6 9/1/2014 - 9/28/2014
ATKINS NORTH AMERICA INC	1803357	12/15/2014	57.00	RF.HEN01H09.6 - ENVR	RF.HEN01H09.6 9/29/14 - 11/30/14
WBS Total			\$16,901.00		
Purchase Order Total			\$16,901.00		

Project Audit Report

Project: RF.HEN01H09, Pittman Wash, Duck Creek at I-515

Status: Open

7/25/2017

Purchase Order - 4800003811 00010



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
NINYO AND MOORE	154723	02/07/2011	3,500.00	RF.HEN01H09.6 - ENVR	Invoice date February 7, 2011
WBS Total			\$3,500.00		
Purchase Order Total			\$3,500.00		

Purchase Order - 4800006751 00010

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
HDR ENGINEERING INC	441554H	04/13/2015	3,000.00	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D April 2015
WBS Total			\$3,000.00		
Purchase Order Total			\$3,000.00		

Purchase Order - none

<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
REGIONAL FLOOD CONTROL/TREAS	1011017527	06/30/2011	4,487.00	RF.HEN01H09.1-2 - ROW	Manual AP - Doc 3112024605
REGIONAL FLOOD CONTROL/TREAS	1912002868	10/20/2011	(4,487.00)	RF.HEN01H09.1-2 - ROW	Manual AP - Doc 3112024605
WBS Total			\$0.00		
REGIONAL FLOOD CONTROL/TREAS	2012033731	11/16/2011	(7,167.04)	RF.HEN01H09.10 - OTHE	
REGIONAL FLOOD CONTROL/TREAS	1015006677	02/05/2015	(7,167.04)	RF.HEN01H09.10 - OTHE	Correct WBS from OTHER to DENG
REGIONAL FLOOD CONTROL/TREAS	1015006686	02/06/2015	7,167.04	RF.HEN01H09.10 - OTHE	Correct WBS from OTHER to DENG
REGIONAL FLOOD CONTROL/TREAS	1915005915	02/06/2015	7,167.04	RF.HEN01H09.10 - OTHE	Correct WBS from OTHER to DENG

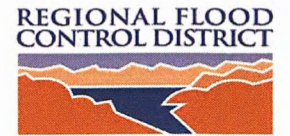
Project Audit Report

Project: RF.HEN01H09, Pittman Wash, Duck Creek at I-515

Status: Open

7/25/2017

Purchase Order - none



<u>Vendor</u>	<u>Invoice #</u>	<u>Invoice Date</u>	<u>Amount</u>	<u>WBS</u>	<u>Memo</u>
	WBS Total		\$0.00		
REGIONAL FLOOD CONTROL/TREAS	1014012087	06/30/2014	1,094.45	RF.HEN01H09.2-2D - DENG	Manual AP - Doc 3115004794
REGIONAL FLOOD CONTROL/TREAS	1915001086	08/30/2014	(1,094.45)	RF.HEN01H09.2-2D - DENG	Manual AP - Doc 3115004794
REGIONAL FLOOD CONTROL/TREAS	1015006677	02/05/2015	7,167.04	RF.HEN01H09.2-2D - DENG	Correct WBS from OTHER to DENG
REGIONAL FLOOD CONTROL/TREAS	1915005915	02/06/2015	(7,167.04)	RF.HEN01H09.2-2D - DENG	Correct WBS from OTHER to DENG
REGIONAL FLOOD CONTROL/TREAS	1015006686	02/06/2015	(7,167.04)	RF.HEN01H09.2-2D - DENG	Correct WBS from OTHER to DENG
ATKINS NORTH AMERICA INC	1810792B	04/06/2015	4,704.78	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 2/2/15 - 3/29/15
ATKINS NORTH AMERICA INC	1816974	07/07/2015	4,437.58	RF.HEN01H09.2-2D - DENG	RF.HEN01H09.2-2D 6/1/15 - 6/30/15
	WBS Total		\$1,975.32		
REGIONAL FLOOD CONTROL/TREAS	1011017527	06/30/2011	1,177.35	RF.HEN01H09.6 - ENVR	Manual AP - Doc 3112024605
REGIONAL FLOOD CONTROL/TREAS	1912002868	10/20/2011	(1,177.35)	RF.HEN01H09.6 - ENVR	Manual AP - Doc 3112024605
	WBS Total		\$0.00		
	Purchase Order Total		\$1,975.32		
	Project Expense Total		\$349,813.57		

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

**MASTER PLAN UPDATE FOR THE LAS VEGAS VALLEY
FIRST AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT**

RECOMMENDATION SUMMARY

STAFF: Approve.

TECHNICAL ADVISORY: Approve.

CITIZENS ADVISORY: Approve.

**RFCD AGENDA
ITEM #08
DATE: 09/14/17**

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

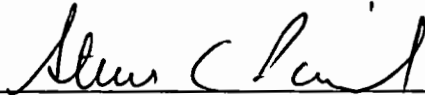
SUBJECT: MASTER PLAN UPDATE FOR THE LAS VEGAS VALLEY FIRST AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT
PETITIONER: STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER
RECOMMENDATION OF PETITIONER: THAT THE BOARD APPROVE AND AUTHORIZE THE CHAIRMAN TO SIGN THE FIRST AMENDMENT TO THE PROFESSIONAL SERVICES AGREEMENT TO PREPARE A MASTER PLAN UPDATE FOR THE LAS VEGAS VALLEY (FOR POSSIBLE ACTION)

FISCAL IMPACT: \$500,000.00

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. which was adopted by the Board on August 25, 2016. Phase 1 of the project was completed by the consultant in June 2017. Staff has now negotiated a professional services contract for Phase 2. Phase 2 of the project will include the remaining effort needed to complete the Master Plan Update. Additional funding in the amount of \$500,000.00 for the completion of the Master Plan Update for the Las Vegas Valley is available in the FY 2017-2018 budget approved by the Board on April 13, 2017. 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: 08/31/17	RFCD AGENDA ITEM # 08 Date: 09/14/17
CAC AGENDA ITEM #09 Date: 08/31/17	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 08/15/16
MASTER PLAN UPDATE FOR THE LAS VEGAS VALLEY FIRST 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. which was adopted by the Board on August 25, 2016. Phase 1 of the project was completed by the consultant in June 2017. Staff has now negotiated a professional services contract for Phase 2. Phase 2 of the project will include the remaining effort needed to complete the Master Plan Update. Additional funding in the amount of \$500,000.00 for the completion of the Master Plan Update for the Las Vegas Valley is available in the FY 2017-2018 budget approved by the Board on April 13, 2017. 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: 08/31/17
Recommendation:	
Approve.	
Discussion by Citizens Advisory Committee:	AGENDA #09 Date: 08/31/17
Recommendation:	
Approve.	

**FIRST 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 FIRST AMENDMENT TO THE AGREEMENT is made and entered into this 14th day of September, 2017, 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; 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 III

CONSULTANT SERVICES, shall be revised to read as follows:

- A. The CONSULTANT shall perform portions of Task 1 through Task 6 including services discussed in the “Basic Services” as specified in the Revised Exhibit A (the Scope of Services), which is attached hereto, and by this reference made a part of this AGREEMENT. In addition, the CONSULTANT will perform Task 7, “Supplemental Services” described in the Revised Exhibit A if, as, and when requested in writing by the General Manager. Exhibit B, The Project Study Area, and Revised Exhibit C, the Project Time Schedule, are attached hereto and by this reference are also made a part of this AGREEMENT.
- B. The DISTRICT may at any time, by written order, make changes within the general scope of this AGREEMENT and in the services or work to be performed by the CONSULTANT. If such changes cause an increase or decrease in the CONSULTANT’s cost or time required for performance of any services under this AGREEMENT, an equitable adjustment shall be made and this AGREEMENT shall be modified in writing accordingly. Any claim of the CONSULTANT for adjustment under this clause must be asserted in writing within 30 days from the date of receipt by the CONSULTANT of notification of changes unless the DISTRICT grants a further period of time before the date of final payment under this AGREEMENT.
- C. No services for which any additional compensation will be charged by the CONSULTANT shall be furnished without the written authorization of the DISTRICT.

Section IV

COMPENSATION AND TERMS OF PAYMENT, shall be revised to read as follows:

- A. Once each month, the DISTRICT shall pay the CONSULTANT for services performed under Section III – Consultant Services. Invoices are prepared and submitted on a monthly basis and are due upon receipt. Payment is past due thirty (30) days from the invoice date. In the event the DISTRICT fails to make any payments, the CONSULTANT may cease work immediately until payment for the invoice and service

charge is made. An additional charge at the rate of 1½ percent per month will be charged against invoices that are past due.

B. Compensation and Method of Payment for Engineering Services are:

1. The DISTRICT shall pay the CONSULTANT on a time and materials basis under the CONSULTANT'S Fee Schedule, which is attached hereto as Exhibit D and by this reference made a part of this AGREEMENT.
2. The maximum cost to the DISTRICT for Basic Services Task 1 through Task 6, which includes Phase 1 and Phase 2 and services discussed in Project Description accomplished under this AGREEMENT shall not exceed one million four hundred two thousand one hundred fifty-six dollars and zero cents (\$1,402,156) unless the DISTRICT receives a written request, with justification, and the DISTRICT approves a change in the SCOPE OF SERVICES and an increase in compensation. If approved, a supplement to this AGREEMENT must be executed. The maximum cost is based on a detailed breakdown of the estimated cost by tasks, and direct costs as shown on the Revised Exhibit E – Estimated Cost By Tasks, which is attached hereto, and by this reference made a part of this AGREEMENT. The estimated cost figures, per task, presented in the Revised Exhibit E may, with the written approval from the DISTRICT, be adjusted from task to task so long as the total amount does not exceed one million four hundred two thousand one hundred fifty-six dollars and zero cents (\$1,402,156). Payments will be made to the CONSULTANT on a monthly basis upon receipt of a progress report and itemized invoices for work accomplished.
3. Supplemental services will be performed only upon written authorization by the General Manager and at the discretion of the General Manager. Payment for Supplemental Services will be made according to the terms described in this section for basic professional services. The maximum cost to the DISTRICT for supplemental services accomplished under this AGREEMENT shall not exceed ninety-seven thousand eight hundred forty-four dollars and zero cents (\$97,844). Payments will be made to the CONSULTANT on a monthly basis upon receipt of a progress report and itemized invoices for work accomplished.

4. The total amount of this AGREEMENT shall not exceed one million five hundred thousand dollars (\$1,500,000), unless approved by the DISTRICT in writing and a supplement to this AGREEMENT is executed by the parties.

All other sections of the original AGREEMENT shall remain unchanged.

IN WITNESS WHEREOF, the parties have caused this First 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: _____

Deanna Hughes
Secretary to the Board

APPROVED AS TO LEGALITY ONLY:

By: _____ Date: _____

Christopher Figgins
Chief Deputy District Attorney

**REVISED EXHIBIT A
SCOPE OF SERVICES
MASTER PLAN UPDATE FOR THE LAS VEGAS VALLEY**

Overview

The DISTRICT is required by statute (NRS 543.596) to update the Master Plan at least once every five years. The Master Plan for the Las Vegas Valley was last updated and adopted by the Board on September 12, 2013. The purpose of this project is to prepare the 2018 Master Plan Update for the Las Vegas Valley, which will involve a thorough review of the current Master Plan and an update of the following information: inventories of existing facilities; hydrologic models; hydraulic models; land use information; costs; GIS data and maps; review of flood control related engineering data developed within the past five years for land development and public works projects; re-evaluation of flood control alternatives/recommended plans; and re-evaluation of environmental considerations. The September 12, 2013 Master Plan will be the basis for the update. The primary final product will be a cohesive, independent Master Plan document and Master Plan Information in electronic form, which can be readily incorporated into the DISTRICT's GIS system.

Basic services to be provided by the CONSULTANT under this Scope of Services are divided into TASKS 1 through 6 which are discussed in detail below. Additional Supplemental Services that may be provided by the CONSULTANT if requested and authorized by the DISTRICT in writing are described in TASK 7 at the end of this document.

TASK 1 – PROJECT MANAGEMENT

1.1 General Project Management

Project management will include internal meetings, coordination, subconsultant management, project budgeting, progress reports, schedule development/updates, and invoicing. The CONSULTANT will develop and maintain a distribution list with contact information and coordinate and communicate on a regular basis with the DISTRICT, the Local Entities (City of Las Vegas, City of North Las Vegas, Clark County, and City of Henderson), subconsultants, outside agencies, and other stakeholders to facilitate the efficient and timely completion of the PROJECT. The CONSULTANT will update as needed the Project Control Plan (PCP) for the project developed under a separate contract. The CONSULTANT shall develop and maintain a decision log throughout the course of this project.

Deliverable: Decision Log

1.1.A General Project Management through June 30, 2017 (Phase 1)

This task shall include general project management as described above in Task 1.1 from the beginning of the contract through June 30, 2017.

1.1.B General Project Management from July 1, 2017 through end of Contract (Phase 2)

This task shall include general project management as described above in Task 1.1 from July 1, 2017 through the end of the contract.

1.2 Kickoff Meeting (Phase 1)

CONSULTANT shall prepare an agenda and schedule and attend a Kickoff meeting with the DISTRICT, the Local Entities, and other agencies as required within ten calendar days of the issuance of the Notice to Proceed. This meeting will be held to review the scope of work, discuss data and information required, review the project schedule (prepared by the CONSULTANT using Microsoft Project or similar software), introduce key personnel, establish lines of communications and clarify the DISTRICT's and other government agency requirements for the PROJECT. Within five business days following the Kickoff meeting, the CONSULTANT will prepare and distribute draft meeting minutes via email to the DISTRICT Project Manager and meeting attendees. The CONSULTANT shall finalize and distribute final meeting minutes after the draft meeting minutes are approved by the DISTRICT's representative.

Deliverable: Kickoff Meeting and meeting minutes

1.3 Monthly Progress Meetings

The CONSULTANT will prepare for and conduct up to 23 progress meetings with the DISTRICT in support of the PROJECT. During these meetings the CONSULTANT will report on PROJECT progress, schedule, analysis, results, and discuss any master plan issues or required decisions/direction.

The CONSULTANT will prepare meeting agendas prior to the meetings and meeting minutes within five business days following the meeting to document decisions made, data needs, action items and the expected timeframe for completion. The CONSULTANT will distribute draft meeting minutes via email to the DISTRICT Project Manager and meeting attendees. The CONSULTANT shall finalize and distribute final meeting minutes after the draft meeting minutes are approved by the DISTRICT's representative.

Deliverable: Progress meetings and meeting minutes.

1.3.A Monthly Progress Meetings through June 30, 2017 (Phase 1)

This task shall include up to 9 progress meetings as described above in Task 1.3 from the beginning of the contract through June 30, 2017.

1.3.B Monthly Progress Meetings from July 1, 2017 through end of Contract (Phase 2)

This task shall include up to 14 progress meetings as described above in Task 1.3 from July 1, 2017 through the end of the contract.

1.4 Entity Coordination

The CONSULTANT will meet with and coordinate with the Local Entities (City of Las Vegas, City of North Las Vegas, Clark County, and City of Henderson) throughout the course of the project. This coordination will include monthly check in phone conferences or meetings with each entity and representative from the DISTRICT. During these phone conferences/meetings the CONSULTANT will report on action items progress, schedule, analysis, results, and request data/information from the entities.

1.4.A Entity Coordination through June 30, 2017 (Phase 1)

This task shall include entity coordination as described above in Task 1.4 from the beginning of the contract through June 30, 2017.

1.4.B Entity Coordination from July 1, 2017 through end of Contract (Phase 2)

This task shall include entity coordination as described above in Task 1.4 from July 1, 2017 through the end of the contract.

1.5 Project Presentations (Phase 2)

The CONSULTANT shall prepare for and support the DISTRICT in making up to eight (8) Project presentations to various organizations and boards, including meeting attendance and preparation of graphics and backup information. The following presentations are anticipated:

- Regional Flood Control District Citizens Advisory Committee
- Regional Flood Control District Technical Advisory Committee
- Regional Flood Control District Board – Final MPU Adoption
- Southern Nevada Regional Planning Commission (SNRPC) (aka Southern Nevada Strong)
- Clark County Board of Commissioners Meeting
- City of North Las Vegas Council Meeting
- City of Las Vegas Council Meeting
- City of Henderson Council Meeting

Deliverable: Eight (8) project presentations and graphics preparation.

TASK 2 – DATA COLLECTION (PHASE 1)

2.1 Data Collection

The CONSULTANT will collect applicable, available, current information which pertains to the master plan and study area. Sources of such information will include but are not limited to:

- 2013 Las Vegas Valley Master Plan, GIS Data, Model Files
- U.S. Army Corps of Engineers studies
- Flood insurance studies, LOMRs, CLOMRs
- Technical Drainage Studies, construction plans, and design reports
- Regional and local drainage master plans
- Rainfall/Stream Gage Data (DISTRICT, USGS, etc.)
- Development, road, and utility master plans
- Existing and proposed land use
- NRCS Soil Surveys and Maps
- Watershed and topographic maps
- Land ownership
- Flooding history and maintenance logs
- Trails Plans

The GIS base data and models collected as part of this task will be modified/updated as part of Task 3.

2.2 Base GIS Database Foundation

The CONSULTANT shall develop a base GIS database foundation as a central repository to assimilate and store all the relevant MPU data. The geodatabase developed in the current MPU will be used as a base and will be reviewed and updated as necessary to meet the needs of this project. The CONSULTANT shall use Enterprise Geodatabase Technology (ArcSDE) to provide all GIS data electronically on a cloud-based, externally hosted data storage platform for multi-user interface allowing the multiple editors to edit the data at the same time. The purpose is to provide CONSULTANT team, subconsultants, DISTRICT, and Local Entities anytime access to GIS data from any computer with GIS software and internet connection. Only those persons with secured access granted to them will be have access to the GIS data. The CONSULTANT will provide the cloud-based storage for a period of 24 months. This GIS database will serve as the foundation for all MPU tasks and will be continuously updated with the subsequent tasks.

TASK 3 – HYDROLOGIC ANALYSIS (PHASE 1)

3.1 Determination of Hydrologic Parameters

Based on the information collected in Task 2.1 described above, the CONSULTANT will review the key GIS base data that will be used to develop the hydrologic parameters. This key GIS base data includes the following:

- Soils – Review latest NRCS soil data
- Land Use – review latest land use
- Drought Ordinance Boundary
- Ultimate Development Boundary
- Rainfall – Review storm centerings

The CONSULTANT will develop the methodology for determination of hydrologic parameters based on their review of the key GIS base data listed above. In particular, the soils data and land use information used to develop hydrologic parameters (i.e., CN values) will be reviewed in detail and updated as necessary. The CONSULTANT will present this methodology to DISTRICT at monthly progress meeting(s). The CONSULTANT will provide maps as necessary to convey the intent of the methodology.

The CONSULTANT will evaluate the land use matrix used for past MPU's to determine if the land use matrix methodology needs to be changed to make it consistent with the methodology used by developers. The CONSULTANT will work closely with the DISTRICT and the Entities' staff who review land development drainage studies.

Deliverable: Hydrologic Methodology

3.2 Incorporation of APEX/KAPEX into MPU

There is significant development that has occurred and is planned for the APEX/KAPEX area in North Las Vegas. The CONSULTANT will incorporate this area into the 2018

MPU. The CONSULTANT will meet with North Las Vegas to understand the development patterns and to obtain planning documents, technical drainage studies, and improvement plans for existing developments and facilities. The CONSULTANT will review this information as well as the local Master Plan for APEX/KAPEX previously developed for the City of North Las Vegas. The CONSULTANT will use the data acquired to update GIS information and hydrologic parameters and include this area in the 2018 MPU.

3.3 Review and Update Subbasin Delineation

The CONSULTANT will review and update the subbasin delineations based on Master Plan Amendments, technical drainage studies, and design reports for regional flood control facilities. The CONSULTANT will review and update the connectivity of subbasins and facilities by modifying the geodatabase as needed.

3.4 Hydrologic Analysis Update

Following the review by the DISTRICT and Local Entities of the data developed in Tasks 3.1 through 3.3 and approval by the DISTRICT, the hydrologic analysis and HEC-1 models will be updated as directed by the DISTRICT and based upon what is agreed at progress meetings. The HEC-1 models will be based on the ultimate condition, assuming fully developed condition (i.e., future land use) and that all regional facilities are in place.

The models will be updated to account for changes that have occurred in each watershed due to construction of regional flood control facilities, master plan amendments/changes, recent soils information, local drainage master plans, and land development. The methodology and criteria used to update the HEC-1 models will be consistent with methodology developed in Task 3.1 above and guidelines in the DISTRICT Hydrologic Criteria and Drainage Design Manual.

All components of the models will be reviewed and updated as necessary to ensure they are current and reflect best available data and information. The final result will be updated models that are organized at a regional level with maps that identify watershed areas and are easy to interpret. It is anticipated that there will be approximately 67 HEC-1 models.

The scope of work for the hydrologic analysis does not include any of the following:

- Existing or interim condition hydrologic analysis (which would use different land use conditions other than the ultimate condition or which would assume regional facilities are not in place)
- Hydrologic model calibration analysis
- Other unforeseen or unexpected hydrologic analysis not typically part of the MPU

The tasks/items excluded from the scope above may be completed if required, but will be negotiated and authorized under Supplemental Services.

The CONSULTANT will use the updated HEC-1 models to determine the 100-year flow impacting all regional flood control facilities. The CONSULTANT will prepare progress maps and models of the 100-year hydrologic analyses during the course of the project

for review by the DISTRICT and entities during progress meetings.

Deliverable: Updated Hydrologic Models and associated GIS layers.

TASK 4 – UPDATE FACILITY PLAN

4.1. Update the Inventory of Existing Facilities (Phase 1)

Based on the information collected in Task 2.1 described above, the CONSULTANT will review plans for recently constructed flood control and drainage facilities and verify the inventory of the existing facilities in the master plan. Sizes, lengths, extents, alignments, and capacities of each facility will be included in the updated inventory. This task includes making updates to the GIS database of regional facilities.

4.2. Sizing Tool Integration (Phase 2)

The CONSULTANT will develop a hydraulic sizing tool that is integrated into the GIS geodatabase.

Deliverable: An updated facility sizing tool.

4.3. Update the Facility Plan

Plan formulation and facility analysis will include review and modification of the existing and proposed regional flood control facility system due to updated analysis and/or changes that have occurred since the previous MPU. The facility plan will be reevaluated based on the revised flow rates developed with the updated hydrologic models, construction of new regional facilities, master plan amendments/changes, pre-design and design reports, environmental considerations, and proposed changes provided by the DISTRICT and the Entities.

The CONSULTANT will also evaluate and analyze the feasibility of the facility plan in an effort to develop the most efficient and cost effective plan possible while providing the required level of flood protection and addressing any existing or potential/identifiable future deficiencies in the plan.

Modifications to the current flood control system will be proposed as required to ensure all areas are addressed and to provide proper detainment and conveyance of the 100-year frequency flood event. The structural flood control solutions and plan formulation will be based on the hydraulic analyses using the facility sizing tool, which is based on normal depth (Manning's Equation).

4.3.A Initial Update to the Facility Plan (Phase 1)

This task shall include preliminary updates to the facility plan to support the hydrologic analysis during development of the hydrologic analysis and as described above in Task 4.3.

Deliverable: Updated preliminary facility sizing calculations and summary spreadsheets and new/updated facility alignments in GIS.

4.3.B Final Update to the Facility Plan (Phase 2)

This task shall include updates to the facility plan as described in Task 4.3.

Deliverable: Updated facility sizing calculations and summary spreadsheets to be incorporated into final deliverables and new/updated facility alignments in GIS.

4.4. Environmental Considerations (Phase 2)

The plan formulation task will also include a review and update of environmental considerations that were included in the previous MPU. This task will involve a review of permits that would be required for a given flood control facility.

In addition, a summary of environmentally sensitive areas and environmental resources within the study area will be researched for available/updated information and documented in the master plan document.

Deliverable: Summary of environmental considerations and permits will be incorporated into final deliverables.

TASK 5 – COST ESTIMATES

5.1. Data Collection (Phase 1)

Bid tabulations provided by the District for regional flood control projects constructed in the Las Vegas Valley within the past five years will be compiled and bid items sorted into major and minor construction components as defined in the 2008 MPU. Major components shall include channels, dikes, bridges, basins (detention, retention, and debris), spillways, storm drains, and culverts. Minor components shall include mobilization, traffic control, quality control, utility relocation, structure removal, reinforced concrete, aggregate base, soil cement, gabion baskets, riprap, basin excavation, channel excavation, fencing, manholes, drop inlets, lateral pipes, roadway replacement, and safety rail.

Right-of-way, design and administration, and operation and maintenance costs shall be based on a percentage of the total facility cost. The percentages for will be developed based input provided by the District and stakeholder agencies.

5.2. Cost Data Analysis (Phase 1)

Unit costs from the bid tabulations shall be analyzed to determine trends relating the unit cost to the facility dimensions or quantities. The data shall be analyzed to determine if a statistical relationship exists and, if appropriate, regression equations relating the unit cost to the appropriate dimension or quantity shall be developed. Goodness-of-fit statistical tests shall be performed to determine the best predictor equation for the major and minor component costs. Plots and graphs of the data shall be prepared. If no trend in the data is apparent, unit costs from the bid tabulations shall be averaged to arrive at a single unit cost for the construction item.

5.3. Cost Tool (Phase 1)

The CONSULTANT will develop a cost estimation tool that is integrated with the GIS

geodatabase. The cost estimation tool will also be configured so that it can be run outside of the GIS environment. The cost tool will have output tables that will be formatted so they are compatible with 10-Year Plan spreadsheets. The cost tool will be configured such that DISTRICT can update the equations based on new bid tabulations in the future.

5.4. Cost Estimates (Phase 2)

Upon completion of the hydrologic models and draft facility plan, facility project cost estimates will be calculated by the CONSULTANT for all existing and proposed regional flood control facilities. The draft project cost estimates will be summarized in tabular format and incorporated into the draft master plan document for review by the DISTRICT and the local entities.

Deliverable: Estimated project costs for all existing and proposed facilities summarized in tabular format in the final master plan document. Electronic versions of the cost tool and cost database will also be provided.

TASK 6 – REPORT PREPARATION AND GIS

6.1. Progress Report 1 (Phase 1)

The first progress report will be completed generally after conclusion of the data collection phase of the project. The CONSULTANT will compile all of the supporting data, documentation, and analysis in a Progress Report that describes all of the methods and results of Tasks 2 through 3.4. Progress Report #1 (PR1) will generally include the following information:

- List of all data collected for the project (studies, plans, GIS layers etc...)
- The final UDB
- The final land use/development density maps
- The final soil map
- A map comparing the change in percent impervious based on land use category from the 2013 MPU and the 2018 MPU
- The final PCP

The content of PR1 will vary based on the actual progress.

Deliverable: CONSULTANT will prepare five (5) copies of PR1 and submit them to DISTRICT and other entities for review and feedback. In addition to the hard copy report, PR1 will be compiled in Microsoft *Word* and PDF format and submitted to the DISTRICT electronically. A hard copy of the technical appendix will not be provided as part of the PR1 submittal but will be provided electronically.

6.2. Progress Report 2 (Phase 1)

Progress Report #2 (PR2) will be developed generally after the following tasks have been completed:

1. All hydrologic models have been updated based on the data collected for changes to the plan since the 2013 MPU, revised UDB, revised land use, revised soil data, master plan amendments/changes, addition of new facilities and adjustments to current master plan facilities based on initial input received from DISTRICT and

the local entities and review of number and delineation of major hydrographic areas.

2. The location of existing and proposed regional facilities have been adjusted in GIS to represent the most current and accurate information on facility alignment, which will include adjustments based on master plan amendments/changes, addition of new facilities or adjustments to the facility plan requested by DISTRICT and the local entities.
3. Development of a GIS-integrated hydraulic sizing tool.

PR2 is intended to provide a draft look at the revised hydrology, facility plan, GIS facility database, and project cost estimation tool. All of these components of the master plan update will still be considered a work in progress at this point. The information will be submitted in an effort to obtain additional information and solicit input from DISTRICT and the local entities on further changes/modifications to the master plan.

In general, PR2 will include the following information:

- Draft watershed maps with updated subbasin delineations and flow arrows
- Maps identifying new regional facilities added to the plan
- Summary of any existing or proposed regional facilities that do not have adequate capacity based on 2013 MPU facility sizes adjusted for master plan amendments/changes and new hydrologic parameters
- Updated GIS facility database

The content of PR2 will vary based on the actual progress.

Deliverable: CONSULTANT will prepare five (5) copies of PR2 and submit them to DISTRICT and other entities for review and feedback. In addition to the hard copy report, PR2 will be compiled in Microsoft *Word* and PDF format and submitted to the DISTRICT electronically. A hard copy of the technical appendix will not be provided as part of the PR2 submittal but will be provided electronically.

6.3. Progress Report 3 (Phase 2)

Progress Report #3 (PR3) is intended to provide a final look at the facility plan, watershed data and project cost estimates prior to development of the final document. Any final comments regarding changes to facilities, hydrology, hydraulics, cost estimates or other fundamental components of the plan will be made at this time.

In general, PR3 will include the following information:

- Final draft facility plan
- Final draft watershed maps
- Final draft project cost estimates

The content of PR3 will vary based on the actual progress.

Deliverable: CONSULTANT will prepare five (5) copies of PR3 and submit them to DISTRICT and other entities for review and feedback. In addition to the hard copy report, PR3 will be compiled in *Word* and PDF format and submitted to the DISTRICT

electronically. A hard copy of the technical appendix will not be provided as part of the PR3 submittal but will be provided electronically.

6.4. Final MPU Report (Phase 2)

After PR3 is complete and any final comments have been received the Final Master Plan Update document will be developed. It is anticipated that only cosmetic or minor changes/modifications will be made to the plan once the development of the Final Master Plan Update document is initiated. Reasonable comments from the DISTRICT and local entities will be addressed and incorporated into the Final MPU Report as directed by the DISTRICT.

Deliverable: The Final MPU Report will also be compiled in *Word* and PDF format and submitted to the DISTRICT electronically. Hard copies will be provided under Task 6.5.

6.5. Final MPU Report Reproduction (Phase 2)

The CONSULTANT will provide hard copies of the Final MPU Report.

Deliverable: CONSULTANT will prepare twenty-five (25) copies of the Final MPU Report and submit them to DISTRICT. Each copy of the Final MPU Report will also include a Data CD with electronic data and supporting information, such as cost data, GIS data, hydrologic/hydraulic models, facility tables, etc. It is recommended that the technical appendix be provided in electronic format only, rather than hard copy format because of the significant amount of information that is anticipated. However, if hard copies of the appendix are desired by the DISTRICT, this scope of services includes up to two (2) hard copies of the technical appendix.

6.6. Wall Map (Phase 2)

A wall map will be produced. The wall map dimensions will be approximately 5 feet by 6 feet. The map will be mounted on a hard back surface and framed. The wall map will include the entire Las Vegas Valley up to and including the Ultimate Development Boundary (UDB) and will display the following information/GIS layers:

- Latest aerial photo
- All existing and proposed DISTRICT facilities and ID-MILEs
- All existing and proposed local facilities
- Street names
- Legend and north arrow
- Title block and UDB

The information displayed on the wall map will utilize the best available GIS data and no data will be generated/developed specifically for the wall map.

Fifteen (15) framed copies of the wall map will be provided. The wall maps will be similar in format, quality and appearance as those produced with the 2008 MPU.

6.7. Final GIS Database (Phase 2)

The CONSULTANT will provide all mapping information and final GIS database in electronic format in conformance with reasonable GIS specifications provided by the DISTRICT. The final GIS data will include but is not limited to the following:

- ArcMap (.mxd) files and layer files
- Hydrologic data (Subbasins, Soils, Rain, Land Use, Flow Arrows, UDB, Drought Ordinance Boundary, Watersheds)
- Regional facilities (linear conveyance facilities and detention basins with relevant attributes populated)
- Environmentally sensitive areas

TASK 7 – SUPPLEMENTAL SERVICES

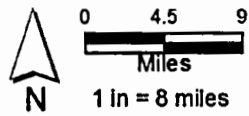
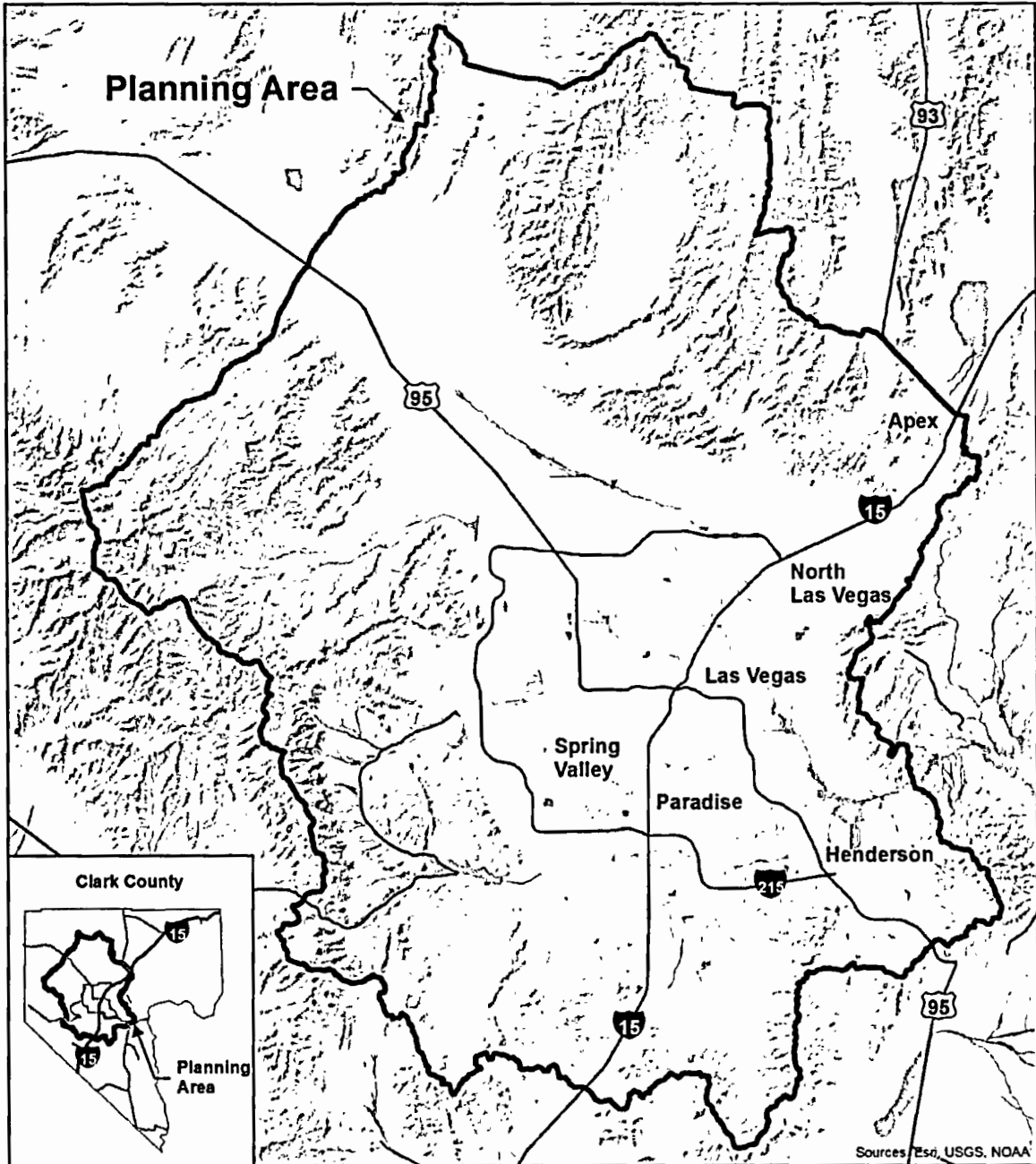
7.1. Supplemental Services

Supplemental services will include additional analysis, facility planning, modeling or other master plan tasks as needed to complete an accurate and comprehensive master plan document.

The CONSULTANT shall only perform the following Supplemental Services if, as, and when requested and authorized by the DISTRICT in writing. No Supplemental Service will be performed until a separate notice to proceed has been issued in writing for each Supplemental Service requested and the parties have agreed to a fee for each task. Supplemental Services may include but are not limited to the following:

- Additional data collection
- Additional hydrologic analysis
- Additional gage analysis
- Additional detailed hydraulic analysis and modeling
- Additional facility analysis and plan formulation
- Additional FEMA studies or FIS analysis to support future LOMR/CLOMRs
- Interim condition analysis
- Hydrologic/hydraulic model calibration
- Radar Rainfall (NEXRAD) hydrologic modeling
- Additional GIS data collection and development
- GIS database/tool enhancements
- Additional hydraulic sizing tool modifications
- Additional cost analysis or cost tool modifications
- Additional environmental permitting analysis and development
- Additional meetings, presentations, or training
- Additional final document development and production
- Right-of-way appraisal or assessment
- Any other task pertinent to the project as agreed upon by the CONSULTANT and DISTRICT

**EXHIBIT B
PROJECT STUDY AREA**



**Master Plan Update for the
Las Vegas Valley
Exhibit - Planning Area**



ATKINS

REVISED EXHIBIT C

PROJECT TIME SCHEDULE (PHASE 1 & PHASE 2)

Project Task	End Date
Notice to Proceed	September 15, 2016
Task 1. Project Management	September 30, 2018
Task 2. Data Collection	September 30, 2018
Task 3. Hydrologic Analysis	August 1, 2017
Task 4. Update Facility Plan	January 17, 2017
Task 5. Cost Estimates	January 17, 2017
Task 6. Report Preparation and GIS	September 14, 2018
Task 6.1 Progress Report 1	January 9, 2017
Task 6.2 Progress Report 2	August 23, 2017
Task 6.3 Progress Report 3	March 29, 2018
Task 6.4 Final MPU Report	July 27, 2018

Project Task	End Date
Task 7. Supplemental Services	When Authorized

EXHIBIT D

CONSULTANT'S FEE SCHEDULE

Classification	DIRECT HOURLY SALARY RANGES
Principal	\$75.00 to \$96.00
Senior Technical Advisor / Director	\$75.00 to \$98.00
Senior Project Manager	\$50.00 to \$83.00
Project Manager	\$45.00 to \$72.00
Senior Engineer IV	\$44.00 to \$82.00
Senior Engineer III	\$37.00 to \$70.00
Senior Engineer II	\$32.00 to \$60.00
Senior Engineer I	\$27.00 to \$50.00
Engineer/Technician II	\$22.00 to \$42.00
Engineer/Technician I	\$18.00 to \$35.00
Survey Crew, 2-Person	\$58.00 to \$72.00
Survey Crew, 1-Person	\$27.00 to \$42.00
Professional Land Surveyor	\$40.00 to \$53.00
Senior Scientist	\$27.00 to \$50.00
Scientist	\$22.00 to \$42.00
GIS Manager	\$30.00 to \$60.00
GIS Specialist	\$22.00 to \$45.00
GIS Technician	\$18.00 to \$35.00
Project Coordinator	\$15.00 to \$40.00
Administrative Assistant	\$13.00 to \$23.00
Graphic Artist/Designer	\$13.00 to \$40.00
Clerical/Word Processor	\$10.00 to \$23.00

The above hourly rates shall be multiplied by 3.0 which includes Salary Cost, Overhead and a Fixed Fee. An allowance has been incorporated into the above ranges for any annual salary adjustments that may occur during the PROJECT. These hourly rates shall remain in effect throughout the duration of the PROJECT.

REVISED EXHIBIT E

ESTIMATE COSTS BY TASKS

BASIC SERVICES

TASK 1 - Project Management	
Phase 1 (Task 1.1.A, 1.2, 1.3.A, 1.4.A)	\$ 79,219
Phase 2 (Task 1.1.B, 1.3.B, 1.4.B)	\$ 93,526
TASK 2 - Data Collection (Phase 1)	\$ 57,630
TASK 3 - Hydrologic Analysis (Phase 1)	\$ 429,249
TASK 4 - Update Facility Plan	
Phase 1 (Task 4.1, 4.2, 4.3.A)	\$ 268,632
Phase 2 (Task 1.1.B, 1.3.B, 1.4.B)	\$ 90,330
TASK 5 - Cost Estimates	
Phase 1 (Task 5.1, 5.2, 5.3)	\$ 97,812
Phase 2 (Task 5.4)	\$ 30,717
TASK 6 - Report Preparation and GIS	
Phase 1 (Task 6.1, 6.2)	\$ 29,052
Phase 2 (Task 6.3, 6.4, 6.5, 6.6, 6.7)	\$ 225,989

SUBTOTAL – BASIC SERVICES PHASE 1 \$ 961,594

SUBTOTAL – BASIC SERVICES PHASE 2 \$ 440,562

TASK 7 - Supplemental Services (Phase 1 & 2) \$ 97,844

TOTAL SERVICES \$1,500,000

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT
COMPLIANCE FOR THE LAS VEGAS VALLEY
CONSULTANT AGREEMENT

RECOMMENDATION SUMMARY

STAFF: Approve.

TECHNICAL ADVISORY: Approve.

CITIZENS ADVISORY: Approve.

RFCD AGENDA
ITEM #09
DATE: 09/14/17

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COMPLIANCE FOR THE LAS VEGAS VALLEY – CONSULTANT AGREEMENT

PETITIONER:

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

RECOMMENDATION OF PETITIONER:

THAT THE BOARD APPROVE AND AUTHORIZE THE CHAIRMAN TO SIGN THE CONSULTANT AGREEMENT FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT COMPLIANCE FOR THE LAS VEGAS VALLEY (FOR POSSIBLE ACTION)

FISCAL IMPACT: \$371,465.00

BACKGROUND:

Since 1990, the cities of Henderson, Las Vegas and North Las Vegas; Clark County; and the District (Permittees) have administered a National Pollutant Discharge Elimination System (NPDES) stormwater quality permit issued by the State of Nevada, Division of Environmental Protection (NDEP). Since 1991, the District has contracted with an outside consultant to provide permit compliance services including stormwater sampling, laboratory analysis, reporting, and permit negotiation and program development. On June 8, 2017, the Board authorized the District to solicit proposals, select a consultant, and negotiate a professional services agreement for consulting services to assist the Permittees in developing and implementing the stormwater program and negotiating a new permit with the NDEP.

Two (2) proposals were received (Stantec and HDR Engineering, Inc.). A review committee was formed consisting of staff from the District, Clark County and the cities of North Las Vegas, Las Vegas and Henderson. This committee determined that HDR Engineering, Inc., met the minimum

TAC AGENDA ITEM #10 Date: 08/31/17	RFCD AGENDA ITEM # 09 Date: 09/14/17
CAC AGENDA ITEM #10 Date: 08/31/17	

qualifications to perform the required services and provided the best overall approach to the implementing the program and permit. Staff has negotiated a professional services agreement with the consulting firm of HDR Engineering, Inc. Funding in the amount of \$371,465.00 for the professional services agreement is available in the FY 2017-2018 budget. 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 #10 Date: 08/31/17	RFCD AGENDA ITEM # 09 Date: 09/14/17
CAC AGENDA ITEM #10 Date: 08/31/17	

083117 NPDES-HDR-item

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:	Date: 08/21/17
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT COMPLIANCE FOR THE LAS VEGAS VALLEY CONSULTANT AGREEMENT	
<p>Since 1990, the cities of Henderson, Las Vegas and North Las Vegas; Clark County; and the District (Permittees) have administered a National Pollutant Discharge Elimination System (NPDES) stormwater quality permit issued by the State of Nevada, Division of Environmental Protection (NDEP). Since 1991, the District has contracted with an outside consultant to provide permit compliance services including stormwater sampling, laboratory analysis, reporting, and permit negotiation and program development. On June 8, 2017, the Board authorized the District to solicit proposals, select a consultant, and negotiate a professional services agreement for consulting services to assist the Permittees in developing and implementing the stormwater program and negotiating a new permit with the NDEP.</p> <p>Two (2) proposals were received (Stantec and HDR, Engineering, Inc.). A review committee was formed consisting of staff from the District, Clark County and the cities of North Las Vegas, Las Vegas and Henderson. This committee determined that HDR, Engineering, Inc., met the minimum qualifications to perform the required services and provided the best overall approach to the implementing the program and permit. Staff has negotiated a professional services agreement with the consulting firm of HDR, Engineering Inc. Funding in the amount of \$371,465.00 for the professional services agreement is available in the FY 2017-2018 budget. 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 #10 Date: 08/31/17
Recommendation:	
Approve.	
Discussion by Citizens Advisory Committee:	AGENDA #10 Date: 08/31/17
Recommendation:	
Approve.	

**AGREEMENT FOR PROFESSIONAL SERVICES
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT
AND
HDR ENGINEERING, INC.
LAS VEGAS VALLEY NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM PERMIT**

THIS AGREEMENT is made and entered into this ___th day of _____, 20_, by and between the CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT (hereinafter referred to as "DISTRICT") and HDR ENGINEERING, INC. (hereinafter referred to as "CONSULTANT"), for the Las Vegas Valley National Pollutant Discharge Elimination System Permit (hereinafter referred to as the "PROJECT").

WITNESSETH

WHEREAS, National Pollutant Discharge Elimination System (NPDES) Permit No. NV0021911 has been issued by the State of Nevada Division of Environmental Protection (NDEP) for the discharge of stormwater to Las Vegas Wash and its tributaries, and

WHEREAS, the DISTRICT is a co-permittee for this permit with the City of Las Vegas, the City of North Las Vegas, the City of Henderson and Clark County, and

WHEREAS, the NPDES Permit requires the permittees to provide additional technical and administrative information to NDEP by October 1, 2018 and at other times during the permit year; and

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, 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 I

RESPONSIBILITY OF CONSULTANT

- A. The CONSULTANT shall be responsible for the professional quality, technical accuracy, timely completion, and coordination of all services furnished by the CONSULTANT, its subcontractors and subconsultants and their principals, officers, employees, and agents under this AGREEMENT. In performing the specified services, the CONSULTANT shall follow practices consistent with generally accepted current professional and technical engineering standards.
- B. It shall be the duty of CONSULTANT to assure that all work products are technically sound and in conformance with all pertinent and current federal, State, and local statutes, codes ordinances, resolutions, and other. If, during the term of this AGREEMENT, there are any changes or new laws, ordinances, statutes, rules or regulations not known or foreseeable at the time of signing this AGREEMENT which become effective and which affect the cost or time of performance of the AGREEMENT, the CONSULTANT shall immediately notify DISTRICT in writing and submit detailed documentation of such effect in terms of both time and cost of performing the AGREEMENT. Upon concurrence by DISTRICT as to the effect of such changes, adjustment in time of performance and/or compensation for an increase or decrease in labor, materials, and equipment directly required to be in compliance will be made in writing. Except for an extension of time, no payment or compensation of any kind shall be made to CONSULTANT for damages caused by such changes or new laws, ordinances, statutes, rules or regulations, including, but not limited to, those which may arise due to delay, disruption, acceleration, or inefficiency. If any discrepancy or inconsistency should be discovered between this AGREEMENT and any law, ordinance, regulation, order, or decree, CONSULTANT shall immediately report the same in writing to the DISTRICT,

who will issue such instruction as may be necessary. The CONSULTANT shall, without additional compensation, correct or revise any negligent acts, errors or deficiencies in its recommended plans, policies, designs, drawings, and other sections of the PROJECT. It is also understood and agreed by both parties that if any variation in measurements, calculations, or observations of a quantity due to mistakes, hereinafter referred to as "erroneous work" is found, the CONSULTANT will expeditiously perform the necessary work, at no expense to the DISTRICT, to correct the erroneous work. The reviewing process by the DISTRICT during the progress of the PROJECT will not relieve the CONSULTANT's obligation for erroneous work in the preparation of the different sections of the PROJECT. Any revisions or updates of the PROJECT after submittal would be considered outside the scope of services for this AGREEMENT.

- C. The CONSULTANT will be responsible for holding monthly progress meetings with the DISTRICT. Minutes of these meetings and a summary of the PROJECT status will be submitted by the CONSULTANT to the DISTRICT monthly.
- D. It is agreed that any and all documents prepared and submitted by the CONSULTANT to the DISTRICT, and all information required of the CONSULTANT by the AGREEMENT, become the property of the DISTRICT. The CONSULTANT may retain copies and reproducible copies of all documents produced as a result of the PROJECT. In the event of the termination of the AGREEMENT, all documents produced shall be and become the property of the DISTRICT. The CONSULTANT agrees to surrender all such documents to the DISTRICT within ten (10) business days.
- E. The CONSULTANT agrees that its officers and employees will cooperate with the DISTRICT in the performance of services under this AGREEMENT and will be available for consultation with the DISTRICT at such reasonable times and with advance notice so as to not conflict with their other responsibilities.
- F. The rights and remedies of the DISTRICT provided for under this section are in addition to any other rights and remedies provided by law or under other sections of the AGREEMENT.

Section II

DISTRICT'S RESPONSIBILITY

- A. The DISTRICT agrees that its officers and employees will cooperate with CONSULTANT in performance of services under this AGREEMENT and will be available for consultation with CONSULTANT at such reasonable times with advance notice as to not conflict with their other responsibilities.
- B. The services performed by CONSULTANT under this AGREEMENT shall be subject to review and approval by the DISTRICT's General Manager. The DISTRICT's General Manager may delegate any or all of the General Manager's responsibilities under this AGREEMENT to appropriate staff members, and shall so inform CONSULTANT by written notice before the effective date of each such delegation.
- C. The services to be performed by the CONSULTANT under this AGREEMENT shall be subject to periodic review by the DISTRICT's General Manager. The review comments of the DISTRICT's General Manager shall be reported in writing to the CONSULTANT by the DISTRICT's General Manager or his designee. To prevent an unreasonable delay in the CONSULTANT's work, the DISTRICT's General Manager will endeavor to examine all documents and will make authorizations in writing to the CONSULTANT to proceed with work within 10 working days of receipt of such documents. It is understood that the DISTRICT's representative review comments do not relieve the CONSULTANT from the responsibility for professional and technical accuracy of all work delivered under this AGREEMENT.
- D. DISTRICT shall, without charge, furnish to or make available for examination or use by the CONSULTANT as it may request, any relevant data which the DISTRICT has available, including as examples only and not as a limitation:
 - 1. Copies of reports, maps, plans, surveys, records, and other documents pertinent to flooding, flood control facilities, public properties, property developments, and other physical features related to the PROJECT.
 - 2. Copies of previously prepared reports, publications, design hydrologic and hydraulic data, flooding information, flooding data, rainfall/runoff data,

representative local drainage requirements (i.e., subdivision, planning and zoning regulations, ordinances, codes criteria, and special agreements or procedures), analyses, computation manuals, computer programs, other documents and information related to the PROJECT, and services specified by this AGREEMENT. CONSULTANT shall return original data provided by the DISTRICT at the DISTRICT's request within ten (10) calendar days.

- E. Upon written request from the CONSULTANT, the DISTRICT shall reasonably assist CONSULTANT in obtaining data and documents from public officers or agencies and from private citizens and business firms whenever the DISTRICT determines that such material is necessary for the completion of the services specified by the AGREEMENT. DISTRICT shall provide the CONSULTANT with a list of names of individuals, agencies, or any other parties that should receive written communication related to the PROJECT from the CONSULTANT.
- F. CONSULTANT will not be responsible for accuracy of information or data supplied by the DISTRICT or other sources, but will use such data to the extent such information or data would be relied upon by a reasonable prudent professional person in the engineering field.

Section III

CONSULTANT SERVICES

- A. The CONSULTANT shall perform Task 1 through Task 6 including services discussed in the "Basic Services" as specified in Exhibit A (the Scope of Services), which is attached hereto, and by this reference made a part of this AGREEMENT. Exhibit B, the Project Study Area, and Exhibit C, the Project Time Schedule, are attached hereto and by this reference are also made a part of this AGREEMENT.
- B. The DISTRICT may at any time, by written order, make changes within the general scope of this AGREEMENT and in the services or work to be performed by the CONSULTANT. If such changes cause an increase or decrease in the CONSULTANT's cost or time required for performance of any services under this AGREEMENT, an equitable adjustment shall be made and this AGREEMENT shall be

modified in writing accordingly. Any claim of the CONSULTANT for adjustment under this clause must be asserted in writing within 30 days from the date of receipt by the CONSULTANT of notification of changes unless the DISTRICT grants a further period of time before the date of final payment under this AGREEMENT.

- C. No services for which any additional compensation will be charged by the CONSULTANT shall be furnished without the written authorization of the DISTRICT.

Section IV

COMPENSATION AND TERMS OF PAYMENT

- A. Once each month, the DISTRICT shall pay the CONSULTANT for services performed under Section III – Consultant Services. Invoices are prepared and submitted on a monthly basis and are due upon receipt. Payment is past due thirty (30) days from the invoice date. In the event the DISTRICT fails to make any payments, the CONSULTANT may cease work immediately until payment for the invoice and service charge is made. An additional charge at the rate of 1 ½ percent per month will be charged against invoices that are past due.
- B. Compensation and Method of Payment for Engineering Services are:
 - 1. The DISTRICT shall pay the CONSULTANT on a time and materials basis under the CONSULTANT’S Fee Schedule, which is attached hereto as Exhibit D and by this reference made a part of this AGREEMENT.
 - 2. The maximum cost to the DISTRICT for Basic Services Task 1 through Task 6 including services discussed in Project Description accomplished under this AGREEMENT shall not exceed Three Hundred Seventy One Thousand Four Hundred Sixty Five Dollars and zero cents (\$371,465) unless the DISTRICT receives a written request, with justification, and the DISTRICT approves a change in the SCOPE OF SERVICES and an increase in compensation. If approved, a supplement to this AGREEMENT must be executed. The maximum cost is based on a detailed breakdown of the estimated cost by tasks, and direct costs is shown on Exhibit E – Estimated Cost By Tasks, which is attached hereto, and by this reference made a part of this AGREEMENT. The estimated cost

figures, per task, presented in Exhibit E may, with the written approval from the DISTRICT, be adjusted from task to task so long as the total amount does not exceed Three Hundred Seventy One Thousand Four Hundred Sixty Five Dollars and zero cents (\$371,465). Payments will be made to the CONSULTANT on a monthly basis upon receipt of a progress report and itemized invoices for work accomplished.

3. The total amount of this AGREEMENT shall not exceed Three Hundred Seventy One Thousand Four Hundred Sixty Five Dollars and zero cents (\$371,465), unless approved by the DISTRICT in writing and a supplement to this AGREEMENT is executed by the parties.

Section V

TIME AND PERFORMANCE

- A. The Project Time Schedule for work under this AGREEMENT is attached as Exhibit C and by this reference made a part of this AGREEMENT. The CONSULTANT will perform the work in accordance with said Project Time Schedule, and will provide the DISTRICT's representative a progress report monthly in conjunction with the monthly invoice.

Work shall begin immediately upon receipt by the CONSULTANT of the Notice to Proceed by General Manager or his designee. All work necessary to prepare the PROJECT deliverables for submittal to the DISTRICT for review and publication shall be completed 380 calendar days from Notice to Proceed.

- B. The DISTRICT and CONSULTANT recognize the scope of work as detailed in Exhibit A – Scope of Services and as outlined in Exhibit C – Project Time Schedule can be altered by unforeseen events that may occur. Therefore, a supplement to this AGREEMENT will be prepared, negotiated, and executed when the CONSULTANT establishes, and the DISTRICT agrees, that there has been, or is to be a significant change, including but not limited to:

1. Scope, complexity, or character of the services to be performed such as additional meetings and coordination over those identified in Exhibit A, analysis of additional alternatives, or preparation of additional reports.
 2. Conditions under which the work is required to be performed, such as a change in standards or a change in available base data that would require additional work.
 3. Duration of work if the time period for completion of the work warrants such adjustment.
- C. An alteration required by the DISTRICT that results in changes in the scope of work will also be specified in a supplemental AGREEMENT that will set forth the nature and scope thereof and payment therefore.
- D. Neither party shall be considered in default in the performance of its obligations hereunder, or any of them, to the extent that performance of such obligations, or any of them is prevented or delayed by any cause, existing or future, which is beyond the reasonable control of such party. Delays arising from the actions or inactions of one or more of the CONSULTANT's principals, officers, employees, agents, subcontractors, subconsultants, vendors, or suppliers are expressly recognized to be within the CONSULTANT's control.
- E. This AGREEMENT shall begin on September 14, 2017 and terminate on October 1, 2018 unless it is extended before the termination date with the mutual written consent of both parties or earlier terminated pursuant to Section VI.

Section VI

MISCELLANEOUS PROVISIONS

- A. The CONSULTANT and its subconsultant(s) shall maintain all books, documents, papers, accounting reports, and other evidence pertaining to costs incurred and/or work performed and that such evidence shall be made available for inspection by the DISTRICT at all reasonable times during the AGREEMENT period for three (3) years from the date of final payment.

- B. The DISTRICT's General Manager has the right to terminate this AGREEMENT upon seven (7) days written notice to the CONSULTANT. This AGREEMENT may also be terminated by either party upon seven (7) calendar days written notice and a reasonable opportunity to cure in the event of substantial failure to perform in accordance with the terms hereof by the one party through no fault of the other party. If said termination occurs prior to completion of the PROJECT, the CONSULTANT shall deliver to the DISTRICT all documents, calculations, and all other work performed whether complete or incomplete. Thereafter, the DISTRICT will reimburse the CONSULTANT for all services performed prior to such notice, provided the services performed are satisfactory to the DISTRICT. Termination shall be by written notice, which will be sent by certified mail or hand delivered. Such notice will be deemed effective after the third business day of the mailing post date, or hand delivered, in which case such notice will be deemed effective upon receipt of the written termination to the CONSULTANT or the DISTRICT.
- C. CONSULTANT agrees to indemnify and hold harmless the DISTRICT and all the officers, employees and agents of the DISTRICT, and each of them, from and against any liabilities, damages, losses, claims, actions or proceedings, including, without limitation, reasonable attorneys' fees and costs, to the extent such liabilities, damages, losses, claims, actions or proceedings to the extent that are caused by the negligent acts, errors, omissions, recklessness or intentional misconduct of the CONSULTANT, CONSULTANT's employees and/or agents, in the performance of this AGREEMENT. If the CONSULTANT is adjudicated to be liable by a trier of fact, the trier of fact shall award reasonable attorney's fees and costs to be paid to the DISTRICT, as reimbursement for the attorney's fees and costs incurred by the DISTRICT in defending the action, by the CONSULTANT in an amount which is proportionate to the liability of the CONSULTANT.

CONSULTANT further agrees to defend the DISTRICT and all the officers, employees and agents of the DISTRICT, and each of them, from and against any and all liabilities, damages, losses, claims, actions or proceedings to the extent caused by the negligent acts, errors, omissions, recklessness or intentional misconduct of the CONSULTANT,

and CONSULTANT's employees and/or agents, in the performance of this AGREEMENT when said liabilities, negligence, errors, omissions, recklessness or intentional misconduct are not based upon or arising out of the professional services performed under this AGREEMENT.

CONSULTANT will not be required to defend, indemnify or hold harmless the public body or the employees, officers or agents of the DISTRICT from any liability, damage, loss, claim, action or proceeding caused by the negligence, errors, omissions, recklessness or intentional misconduct of the employees, officers or agents of the DISTRICT.

- D. During the life of this AGREEMENT, the CONSULTANT shall not engage the services of any person or persons who are currently employed by the DISTRICT without the DISTRICT's prior approval.
- E. The CONSULTANT shall at all times maintain control over and have complete responsibility for all work performed under the AGREEMENT. Any attempted assignment of rights or delegation of duties under this AGREEMENT, without the written consent of the DISTRICT, shall be void.
- F. The CONSULTANT shall submit for review and documentation purposes copies of all subconsultant agreements.
- G. The CONSULTANT shall place his professional engineer stamp on the final Submittal substantiating that the work has been accomplished under the direct supervision of a professional engineer and in accordance with acceptable professional standards.
- H. The CONSULTANT, at his own expense, shall obtain and maintain, for the duration of the AGREEMENT, insurance against claims for injuries to persons or damages to property or other losses which may arise from or in connection with CONSULTANT's sole negligence or fault in the performance of work hereunder of the CONSULTANT, his agents, representatives, employees, or subcontractors of any tier.

The CONSULTANT will provide the DISTRICT with certificates of insurance for coverage as listed below and endorsements, establishing coverage required by the

AGREEMENT within ten (10) calendar days after approval of this AGREEMENT by the DISTRICT's Board. The certificate of endorsements for each insurance policy are to be signed by a person authorized by the insurer and licensed by the State of Nevada.

The CONSULTANT will:

1. Maintain commercial general liability coverage at limits of no less than \$1,000,000 combined single limit per occurrence and \$1,000,000 annual aggregate for bodily injury (including death), personal injury and property damages. The coverage shall be on an "occurrence" basis only and not on a "claims made" basis; and the coverage must be provided on ISO commercial liability or on ISO broad form comprehensive general liability forms with no exceptions to the coverage for bodily injury, personal injury, broad form property damages, premises operations, severability of interest, products and completed operations, contractual and independent contractors. The DISTRICT, its officers, and employees must be expressly covered as additional insureds.
2. Maintain automobile coverage at limits of no less than \$1,000,000 combined single limit "per accident" for bodily injury and property damage for all owned automobiles, non-owned automobiles, hired automobiles, or any automobile. The DISTRICT, its officers, and employees, and volunteers must be expressly covered as additional insureds.
3. Maintain professional liability insurance at limits of no less than \$1,000,000 per claim and \$1,000,000 annual aggregate to insure against claims for losses arising out of the services rendered by the CONSULTANT, its agents, representatives, or employees pursuant to the CONSULTANT's AGREEMENT with the DISTRICT. "Claims made" insurance coverage will continue for a period of three (3) years beyond the term of the AGREEMENT. Any retroactive date must coincide with or predate the date of the AGREEMENT and may not be advanced without the DISTRICT's consent. The CONSULTANT's professional liability insurance must provide coverage for the CONSULTANT's subcontractor if the

subcontractor does not maintain professional liability insurance in the same amounts and manner as required for the CONSULTANT.

All deductibles and self-insured retention shall be fully disclosed in the certificate of insurance. No deductible of self-insured retention may exceed \$250,000 for commercial general liability, \$250 for automobile, or \$250,000 for professional liability without the written approval of the DISTRICT. If aggregate limits are imposed on bodily injury and property damage, then the amount of such limits must not be less than twice the amount of the limits required herein. All aggregate must be fully disclosed and the amount entered on the required certificate of insurance. Any notice given to the CONSULTANT with respect to exhaustion of limits of insurance shall also be sent to the DISTRICT. The adequacy of the insurance supplied by the CONSULTANT, including the rating and financial health of each insurance company providing coverage, is subject to the approval of the DISTRICT.

4. Maintain Nevada Industrial Insurance and Occupational Disease Acts; such insurance will protect it and the DISTRICT from claims made by the CONSULTANT due to work-related injuries.
5. The CONSULTANT's insurance shall be primary in respect to the DISTRICT, its officers, employees, and volunteers.

The insurance requirements specified herein do not relieve the CONSULTANT of its responsibility or limit the amount of its liability to the DISTRICT or other persons, and the CONSULTANT is encouraged to purchase such additional insurance as it deems necessary.

6. The insurance certificate supplied by the CONSULTANT must provide for a 30-day notice to the DISTRICT before the implementation of a proposal to cancel the required insurance coverage. This notice requirement does not waive the insurance requirements contained herein. In addition, CONSULTANT shall notify DISTRICT within thirty (30) days of any reduction in coverage or limits.

7. If the CONSULTANT fails to maintain any of the insurance coverage required herein, then the DISTRICT will have the option to either terminate the AGREEMENT; declare the CONSULTANT in breach; purchase replacement insurance; or pay the premiums that are due on existing policies in order that the required coverage may be maintained. The CONSULTANT is responsible for any expenses paid by the DISTRICT to maintain such insurance, and the DISTRICT may collect the same from the CONSULTANT or deduct the amount paid from any sums due the CONSULTANT under this AGREEMENT.
 8. The CONSULTANT shall obtain the required insurance prior to commencement of services being performed.
- I. Project Staffing
CONSULTANT shall provide the DISTRICT with a list of CONSULTANT's employees who will be performing work on the PROJECT. This list shall indicate the employee's name, classification, and hourly billing rate. This list will be used by the DISTRICT in reviewing and evaluating changes as a result of CONSULTANT's fiscal year increases (decreases).
 - J. Governing Law
Nevada law shall govern the interpretation of this AGREEMENT.
 - K. Notice
Any notice required to be given hereunder shall be deemed to have been given when received by the party to whom it is directed by personal service, hand delivery, or U.S. mail at the following addresses:

To DISTRICT: Clark County Regional Flood Control District
600 Grand Central Parkway, Suite 300
Las Vegas, Nevada 89106
Attention: John Tennert
Environmental Mitigation Manager

To CONSULTANT: HDR Engineering, Inc.
6750 Via Austi Parkway, Suite 350
Las Vegas, NV 89119

Attention: Angela MacKinnon, PE, PMP, CPSWQ
Project Manager

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IN WITNESS WHEREOF, the parties have caused this AGREEMENT to be executed the day and year first above written.

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT

By: _____ Date: _____

LAWRENCE L. BROWN, III Chairman

HDR ENGINEERING, INC.

By: _____ Date: _____

Craig Smart, PE
Managing Principal

ATTEST:

By: _____ Date: _____

Deanna Hughes
Secretary to the Board

APPROVED AS TO LEGALITY ONLY:

By: _____ Date: _____

Christopher Figgins
Chief Deputy District Attorney

EXHIBIT A

SCOPE OF SERVICES

LAS VEGAS VALLEY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT

HDR ENGINEERING, INC. (CONSULTANT)

Task 1 - Dry Weather Monitoring

- a) **Dry Weather Monitoring.** Consultant will coordinate with the Southern Nevada Water Authority (SNWA) regarding dry weather monitoring. Sample collection, laboratory analysis and data interpretation will be performed by SNWA as part of the Urban Tributary Water Quality Monitoring Program. Consultant will integrate the results of the Urban Tributary Program with the requirements of the NPDES stormwater permit.
- b) **Dry Weather Monitoring Report.** Consultant will prepare a section for the Annual Report summarizing the findings of the dry weather characterization monitoring program. This report section will compare dry weather water quality data to that collected in previous years and will identify sources of dry weather flows to the extent practical. It will also document other dry weather flow monitoring activities in the Las Vegas Valley conducted by other agencies.

Task 2 - Wet Weather Monitoring

- a) **Monitoring Plan.** Consultant will prepare a wet weather monitoring plan annually, based on the latest Las Vegas Valley wet weather monitoring program and the results of the analyses from previous years. It is assumed that automated samplers at or near the existing sites will be used. The final plan will be submitted to the Nevada Division of Environmental Protection (NDEP) for approval.
- b) **Stormwater Monitoring Equipment.** Consultant, with cooperation from District staff, will inspect the District-owned automated sampling equipment on a routine basis and replace minor equipment elements (e.g., batteries, hoses, bottles) as necessary due to damage or vandalism. Monitoring stations will be relocated if necessary to accommodate construction in the channels.
- c) **Sample Collection.** Wet weather characterization monitoring activities will consist of collecting samples from various storms at 2 sites on the Las Vegas Wash. Additional samples may be collected at these two sites or at new sites if directed by the District and if budget is available. Activities in this task may include collecting and preparing composite samples from the automated samplers, as well as collecting manual grab samples for certain constituents (e.g., bacteria). Samples will be prepared properly and shipped to the laboratory(s) in accordance with the adopted Quality Assurance Program. Coordination with other agencies performing similar collection activities will be encouraged to minimize duplication of efforts and consistency among sampling results.

- d) **Wet Weather Monitoring Report.** Consultant will prepare a task report summarizing the results of the wet weather monitoring program. This will include an evaluation of the sampling results, and recommendations for modifications to the program in subsequent years. Results will be compared to those of previous years and those from other parts of the country and will be reported as a section of the Annual Report.

Task 3 - Annual and Quarterly Reporting

- a) **Quarterly Reports.** Consultant will assist in the preparation of quarterly reports for submission to the Stormwater Quality Management Committee (SQMC) summarizing progress made in permit compliance during the previous quarter.
- b) **Draft Annual Report.** Consultant will prepare a draft Annual Report, incorporating the individual task reports described above. This will meet the annual reporting requirements for the stormwater discharge permit and will include any proposed changes to the current stormwater management or monitoring plans.
- c) **Final Annual Report.** Consultant will incorporate comments on the Draft Annual Report from the Permittees and other reviewers and prepare a Final Annual Report ready for submittal to NDEP.

Task 4 - Stormwater Quality Management Committee and Related Activities

- a) **Meeting Organization.** Consultant will assist in organizing SQMC meetings and other meetings as directed by the District. This may include preparation and distribution of agendas and meeting minutes.
- b) **Permittee Assistance.** Consultant will provide general assistance and consultation to the Permittees in meeting their obligations under the NPDES stormwater discharge permit and in dealing with general stormwater quality issues in the Las Vegas Valley.

Task 5 - Negotiation of New Permit and Update of the Stormwater Management Plan (SWMP)

- a) Consultant will assist the District and the Permittees in negotiating the new NPDES permit for the Las Vegas Valley with NDEP. Assistance may consist of supporting SQMC and other meetings and technical studies to support decisions related to potential permit provisions.
- b) Consultant will prepare any necessary updates to the SWMP as required by the negotiated permit. The SWMP provides a framework for overall compliance with the municipal stormwater permit and NPDES permit. Draft SWMP revisions will be developed in close coordination with the Permittees and other outside stakeholders.

- Consultant will prepare the following SWMP report deliverables:
- i) Working Draft for use by the Permittees
 - ii) Review Draft for submission to NDEP and local agencies
 - iii) Draft for review by stakeholders and elected officials
 - iv) Final Draft for submission to NDEP and the Permittees
- c) Consultant will complete ongoing technical studies required to support preparation of the SWMP, and conduct new studies and prepare technical reports if required. Results of technical studies will be summarized in technical memoranda.
- d) Consultant will assist the Permittees in obtaining input on draft versions of the SWMP from other local agencies, the general public, and other interested stakeholders. Local agencies may include the SNWA, Southern Nevada Health District, Southern Nevada Homebuilders Association, and others.

Task 6 - Implementation of Effective Stormwater Management Plan

Consultant will conduct specific activities required by the August 2011 Storm Water Management Plan and all addenda and updates, and permit as described below:

- a) Legal authority. Assist the Permittees in addressing deficiencies in legal authority to implement all aspects of applicable stormwater ordinances and regulations. Research ordinances adopted by other municipalities to address applicable stormwater issues. Consultant will assist with information exchange though will not be providing legal advice.
- b) Stormwater System Maps. Update stormwater system map based on construction of new facilities and new development.
- c) Monitoring Program. Review and analyze new data collected under Tasks 1 and 2. Update the monitoring program (sampling locations, frequency, methods, constituents) for wet and dry weather water quality characterization and other monitoring activities to support BMP evaluations or target problem issues as necessary and funded.
- d) Public outreach and education. Provide general support to public outreach and education activities conducted by the District and the Permittees and provide input to and review of public outreach and education materials such as videos, brochures, flyer, and website material.
- e) Structural and source control measures. Work with the Permittees to implement standardized tracking/reporting procedures for street sweeping and maintenance of catch basins, inlets, storm drains and channels, participate in workgroup meetings as necessary and perform studies and designs as directed and budgeted.
- f) Illicit discharge detection and elimination program. Consultant will assist Permittees as requested to train municipal maintenance staffs to identify and report potential stormwater quality problems in the field during their normal work activities as needed. As requested, Consultant may also assist Permittees in conducting semi-annual inspections of channels

and detention basins and assemble and summarize semi-annual inspections reports prepared by the Permittees.

- g) Industrial facility monitoring and control program. Consultant will provide an updated map and database of industrial facilities covered by the NPDES permit, including municipal landfills; hazardous waste treatment, disposal and recovery facilities; SARA Section 313, Title III facilities; and industrial facilities that the Permittees have determined could contribute substantial pollutant loads to the MS4 system as identified by the Permittees. Consultant will also assist the Permittees in developing materials for training programs, developing criteria used to identify industrial sites that could contribute a substantial pollutant load to the MS4, summarize potential industrial site problem areas and report on industrial site inspection activities conducted by the Permittees.
- h) Construction site BMP program. Consultant will report on construction site inspection activities (reports, database) conducted by the Permittees, assist with the preparation of contractor education and training materials and assist the Permittees in implementing an ongoing contractor training program.
- i) New Development and Significant Redevelopment Analysis and Pollutant Tracking. Consultant will prepare a GIS analysis depicting areas of new development and significant redevelopment for inclusion in the Annual Report. Consultant will also track new development compared to the water quality capture volume (WQCV) obtained from the water quality features in new and modified detention basins in the Las Vegas Valley pursuant to Technical Memorandum IV.16 Strategic Plan for the Use of Regional Detention Basins for Water Quality Management.
- j) General services. Consultant will perform any other research or studies as directed and funded by the District to support implementation of the SWMP activities.

EXHIBIT B

PROJECT STUDY AREA

The basic project study area consists of all of Las Vegas Valley upstream of Lake Mead, including the Cities of Las Vegas, North Las Vegas and Henderson and portions of Unincorporated Clark County.

EXHIBIT C

PROJECT TIME SCHEDULE

CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT																
LAS VEGAS VALLEY NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT																
SEPTEMBER 2017 - OCTOBER 2018																
ID	Task Name	Start	Finish	September	October	November	December	January	February	March	April	May	June	July	August	September
1	Task 1 - Dry Weather Monitoring	Fri 9/1/17	Sat 6/30/18	[Gantt bar spanning from Sep 1, 2017 to Oct 30, 2018]												
2	Task 2 - Wet Weather Monitoring	Fri 9/1/17	Sat 6/30/18	[Gantt bar spanning from Sep 1, 2017 to Oct 30, 2018]												
3	Task 3 - Annual and Quarterly Reporting	Fri 9/1/17	Sun 9/30/18	[Gantt bar spanning from Sep 1, 2017 to Sep 30, 2018]												
4	Task 4 - SQMC and Related Activities	Fri 9/1/17	Sat 6/30/18	[Gantt bar spanning from Sep 1, 2017 to Oct 30, 2018]												
5	Task 5 - Negotiation of New Permit and Update of SWMP	Fri 9/1/17	Sat 6/30/18	[Gantt bar spanning from Sep 1, 2017 to Oct 30, 2018]												
6	Task 6 - Implementation of Effective SWMP	Fri 9/1/17	Sat 6/30/18	[Gantt bar spanning from Sep 1, 2017 to Oct 30, 2018]												

EXHIBIT D
CONSULTANT'S FEE SCHEDULE

Classification	HOURLY SALARY RANGES
Principal/Senior Technical Advisor	\$70.00 to \$88.00
Technical Advisor	\$50.00 to \$84.00
Senior Project Manager	\$45.00 to \$77.00
Project Manager	\$35.00 to \$65.00
Supervising Professional/Task Leader	\$35.00 to \$60.00
Senior Professional	\$30.00 to \$50.00
Professional II	\$25.00 to \$40.00
Professional I	\$15.00 to \$35.00
Project Controller	\$15.00 to \$40.00
Administrative Assistant	\$13.00 to \$25.00

The above hourly rates shall be multiplied by 3.3 which includes Salary Cost, Overhead and a Fixed Fee. Actual cost of outside, expenses, and subconsultant services will be charged at actual cost plus 10% service charge. Mileage will be billed at the Federal rate.

EXHIBIT E

ESTIMATE COSTS BY TASKS

BASIC SERVICES

Task 1 – Dry Weather Monitoring	\$ 8,466.00
Task 2 – Wet Weather Monitoring	\$ 58,653.00
Task 3 – Annual and Quarterly Reporting	\$ 35,026.00
Task 4 – Stormwater Quality Management Committee and Related Activities	\$ 31,772.00
Task 5 – Negotiation of New Permit and Update of the Stormwater Management Plan	\$136,619.00
Task 6 – Implementation of Effective Stormwater Management Plan	\$100,929.00
SUBTOTAL – BASIC SERVICES	\$371,465.00
TOTAL SERVICES	\$371,465.00

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

**SOUTHERN ILLINOIS UNIVERSITY CARBONDALE
COST REIMBURSEMENT RESEARCH AGREEMENT
CONSULTANT CONTRACT**

RECOMMENDATION SUMMARY

STAFF: Approve.

TECHNICAL ADVISORY: Approve.

CITIZENS ADVISORY: Approve.

**RFCD AGENDA
ITEM #10
DATE: 09/14/17**

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT: SOUTHERN ILLINOIS UNIVERSITY CARBONDALE COST REIMBURSEMENT RESEARCH AGREEMENT CONSULTANT CONTRACT
PETITIONER: STEVEN C. PARRISH, P.E., GENERAL MANAGER/CHIEF ENGINEER
RECOMMENDATION OF PETITIONER: THAT THE BOARD APPROVE AND AUTHORIZE THE GENERAL MANAGER TO SIGN THE CONSULTANT CONTRACT WITH SOUTHERN ILLINOIS UNIVERSITY CARBONDALE (SIUC) TO CONDUCT A RESEARCH PROJECT TO ANALYZE IMPACTS OF POSSIBLE CLIMATE CHANGE SCENARIOS IN CLARK COUNTY (FOR POSSIBLE ACTION)

FISCAL IMPACT: \$77,734

BACKGROUND:

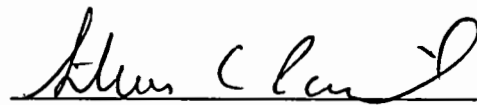
The North American Regional Climate Change Assessment Program Climate Models (NARCAP) includes a collection of models developed to provide weather research and forecasting models to simulate potential changes to conditions that may affect rainfall depths and storm flow rates as a result of increased global surface temperatures. These models can be utilized to produce possible scenarios to analyze the impact to rainfall depths in Clark County as a result of climate change.

The District has negotiated a Consultant Contract with SIUC to conduct a research project to utilize NARCAP to address possible impacts to rainfall depths in Clark County. The research period covered in the Contract is October 1, 2017 through October 1, 2018.

TAC AGENDA ITEM #11 Date: 08/31/17	RFCD AGENDA ITEM # 10 Date: 09/14/17
CAC AGENDA ITEM #11 Date: 08/31/17	

The Fiscal Year 2017-18 budget includes sufficient appropriations for this contract. The District Attorney has reviewed the Contract.

Respectfully submitted,



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

TAC AGENDA ITEM #11 Date: 08/31/17	RFCD AGENDA ITEM # 10 Date: 09/14/17
CAC AGENDA ITEM #11 Date: 08/31/17	

083117 SIUC Climate Change-item

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 08/21/17

SOUTHERN ILLINOIS UNIVERSITY CARBONDALE
COST REIMBURSEMENT RESEARCH AGREEMENT
CONSULTANT CONTRACT

The North American Regional Climate Change Assessment Program Climate Models (NARCAP) includes a collection of models developed to provide weather research and forecasting models to simulate potential changes to conditions that may affect rainfall depths and storm flow rates as a result of increased global surface temperatures. These models can be utilized to produce possible scenarios to analyze the impact to rainfall depths in Clark County as a result of climate change.

The District has negotiated a Consultant Contract with SIUC to conduct a research project to utilize NARCAP to address possible impacts to rainfall depths in Clark County. The research period covered in the Contract is October 1, 2017 through October 1, 2018.

The Fiscal Year 2017-18 budget includes sufficient appropriations for this contract. The District Attorney has reviewed the Contract.

Staff Recommendation:

Approve.

Discussion by Technical Advisory Committee:

AGENDA
#11 Date: 08/31/17

Recommendation:

Approve.

Discussion by Citizens Advisory Committee:

AGENDA
#11 Date: 08/31/17

Recommendation:

Approve.

SOUTHERN ILLINOIS UNIVERSITY CARBONDALE
Cost Reimbursement Research Agreement

This AGREEMENT is made effective as of _____, 2017 by and between the Board of Trustees of Southern Illinois University governing **Southern Illinois University Carbondale**, a body politic and corporate of the State of Illinois, having its principal offices at Office of Sponsored Projects Administration, 900 S. Normal Avenue, MC 4709, Carbondale, Illinois 62901-4302 (hereinafter known as "SIUC") 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, SIUC possess the expertise to conduct research projects including studies which will analyze impacts of possible climate change scenarios to the hydrology using by SPONSOR in Clark County, Nevada herein referred to as PROJECT and is more particularly described in Attachment A;

WHEREAS, the research program contemplated by this Agreement is of mutual interest and benefit to SIUC 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 SIUC and SPONSOR;

WHEREAS, based on the results of the PROJECT, SIUC will assess the possible effect of climate change on rainfall depths; analyze the impact on design rainfall depths considering storm of different frequencies and duration; and assess possible impact of climate change using downscaled data;

WHEREAS, SPONSOR desires to have SIUC perform the PROJECT;

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

I. STATEMENT OF WORK

SIUC shall furnish the necessary personnel, materials, services, facilities, and equipment to perform the PROJECT as described in the proposal entitled "*Climate Change Impact Assessment on Storm-Water Infrastructure within Las Vegas Valley*, Attachment A, which is attached in full hereto and made a part hereof for all purposes.

II. PERIOD OF PERFORMANCE

The PROJECT shall be conducted during the period commencing October 1, 2017 and ending October 1, 2018 (the "Completion Date"). The individual tasks identified in Attachment A must be completed within the time period specified in Attachment A. The Completion Date may be modified or extended only by mutual written agreement of the Parties.

III. ALLOWABLE COSTS AND PAYMENT

SPONSOR and SIUC agree to jointly participate in the cost and expenses associated with the PROJECT. SIUC share of the PROJECT costs and expenses is Fifty thousand, five hundred and sixty-seven dollars (\$50,567.00).

SPONSOR'S share of the PROJECT costs and expenses is Seventy-seven thousand, seven hundred and thirty-four dollars (77,734.00).

For the performance of the PROJECT, SPONSOR shall reimburse SIUC an amount not to exceed Seventy-seven thousand seven hundred and thirty-four dollars (\$77,734.00). Payment shall be made by SPONSOR upon receipt of invoices for completed tasks as identified in Attachment A. Each invoice shall include both the SPONSOR share and SIUC's share of PROJECT costs and should be itemized in the same budget categories as identified in the budget in Attachment A. Invoices will be split evenly until SIUC and the SPONSOR monetary limitations are met.

SIUC will render its invoices no more frequently than monthly to the SPONSOR Contractual/Financial POC in Article IV. Each invoice will include the costs incurred and a description of the tasks performed during the period covered by the invoice. SPONSOR will pay for all work satisfactorily performed within 45 calendar days of receipt of invoice.

Payments should be made payable to Southern Illinois University Carbondale, should include the invoice number as given on the payment request and should be submitted to the following address:

Office of Sponsored Projects Administration
Southern Illinois University
900 S Normal Avenue, Mail Code 4709
Carbondale, Illinois 62901-4302

After 30 calendar day written notification to the SPONSOR, SIUC reserves the right to discontinue the PROJECT if SPONSOR fails to pay any SIUC invoice for satisfactorily performed work within the 45 day calendar time period specified above.

IV. KEY PERSONNEL

SPONSOR:

Technical Point of Contact

Name: Steven C. Parrish

Address: 600 S. Grand Central Pkwy, Suite 300
Las Vegas, Nevada 89106

Phone: 702-685-0000

E-mail: sparrish@regionalflood.org

Contractual/Financial Point of Contact (POC)

Name: Jeanine Dilworth

Address: 600 S. Grand Central Pkwy, Suite 300
Las Vegas, Nevada 89106

Phone: 702-685-0000

E-mail: jdilworth@regionalflood.org

SIUC:

Technical Point of Contact/PI

Name: Ajay Kalra

Address: Department of Civil and Environmental
Engineering

Mail Code 6603

Southern Illinois University

1230 Lincoln Dr.

Carbondale, Illinois 62901

Phone: 918-453-7008

E-mail: kalraa@siu.edu

Contractual/Financial Point of Contact (POC)

Name: Sonjie Schwartz, Associate Director

Address: Office of Sponsored Projects
Administration, Southern Illinois University,

900 S Normal Avenue, Mail Code 4709,
Carbondale, Illinois 62901

Phone: 618-453-4540

E-mail: ospa@siu.edu

V. CONFIDENTIAL INFORMATION

The Parties may wish, from time to time, in connection with the PROJECT contemplated under this Agreement, to disclose Confidential Information to each other.

“Confidential Information” is defined as a Party’s business or technology (including, without limitation, computer programs in source and/or object code, technical drawings, algorithms, know-how, prototypes, models, samples, formulas, processes, ideas, inventions (whether patentable or not), discoveries, methods, and other technical, business, financial, customer, marketing and product development plans, forecasts, strategies and techniques).

Subject to the limitations and law, each party will use reasonable efforts to prevent the disclosure of any of the other party’s Confidential Information to third parties for a period of one (1) year from expiration or termination of this Contract, provided that the recipient party’s obligation hereunder shall not apply to Information that:

1. is not disclosed in writing or reduced to writing and so marked with an appropriate confidentiality legend within thirty (30) days of disclosure (or if disclosed orally, is not identified at the time of oral disclosure and subsequently reduced to writing and so marked with an appropriate confidentiality legend within thirty (30) days of oral disclosure);
2. is already in the recipient party’s possession at the time of disclosure thereof;
3. is or later becomes part of the public domain through no fault of the recipient party;
4. is received from a third party having no obligations of confidentiality to the disclosing party;
5. is independently developed by the recipient party; or
6. is required by law or regulation to be disclosed.

In the event that information is required to be disclosed pursuant to subsection (6), the party required to make disclosure shall notify the other to allow that party to assert whatever exclusions or exemptions may be available to it under such law or regulation.

Notwithstanding the above, confidential information does not include information, records and/or documents that must be disclosed and/or produced pursuant to the Nevada Revised Statutes, Illinois Freedom of Information Act, or court order.

VI. PUBLICATION, ACADEMIC RIGHTS, PATENT AND DATA RIGHTS

The basic objective of research activities at SIUC is the generation of new knowledge and its expeditious dissemination for the public's benefit. SPONSOR will provide all reasonable cooperation with SIUC in meeting this objective. SIUC will be free to publish the results of the PROJECT after providing the SPONSOR with a thirty (30) day period in which to review each publication to identify patentable subject matter and to identify any inadvertent disclosure of Confidential Information, if any.

VII. INTELLECTUAL PROPERTY

Title to all intellectual property including, without limitation, any inventions, improvements and discoveries conceived including, all computer software, works, material and data conceived in the course of performance of the PROJECT, whether or not protectable by patent, trade secret or copyright developed by SIUC together with SPONSOR ("Joint Intellectual Property") shall reside jointly with SIUC and SPONSOR.

SIUC reserves for itself a royalty-free, irrevocable license to make and use SIUC Joint Intellectual Property developed under this AGREEMENT for its own internal research and educational purposes. SPONSOR is granted world-wide, non-exclusive, royalty free license to use Joint Intellectual Property developed under this AGREEMENT.

Nothing in this AGREEMENT grants to either Party any rights or interest in the other Party's Background Intellectual Property. "Background Intellectual Property" means (1) all works of authorship created outside the scope of this AGREEMENT and (2) potentially patentable discoveries, including pending patent applications and issued patents, conceived or first reduced to practice outside the scope of this AGREEMENT.

Notwithstanding the above, SIUC acknowledges and agrees that the SPONSOR may use the information developed and obtained from the PROJECT, without cost, expenses, and royalty fee, to update design criteria for the design of infrastructure and improvement for drainage throughout Clark County or any other public purposes as determined by SPONSOR.

VIII. Deleted in its entirety.

IX. REPRESENTATIONS AND WARRANTIES

SIUC DISCLAIMS ANY WARRANTY OF MERCHANTABILITY, USE OR FITNESS FOR A PARTICULAR PURPOSE OF THE PROJECT RESULTS PROVIDED BY SIUC.

X. TERMINATION

Either Party may terminate this AGREEMENT for any reason whatsoever upon ten (10) calendar days written notice to the Contractual/Financial POC, as given in Article IV, of the other Party. In the event of a termination for convenience by SPONSOR, then SPONSOR shall reimburse SIUC for all costs incurred and any non-cancellable obligations through the date of termination. Such reimbursement including amount already paid by SPONSOR shall not exceed the total cost specified in Article III. SIUC agrees not to incur any additional costs

or fees after the date of the termination notice without prior written permission of the SPONSOR. Termination will not affect the Parties' rights and obligations accrued prior to the termination for convenience.

XI. INDEPENDENT CONTRACTOR

SIUC and SPONSOR shall remain independent contractors and nothing herein shall be construed to create a partnership, agency or joint venture between the parties. Each party shall be responsible for wages, hours and conditions of employment of its personnel during the term of and under this AGREEMENT.

XII. Deleted in its entirety

XIII. AUDIT OF RECORDS

SIUC agrees to comply with the requirements of OMB Circulars A-110, A-21, and A-133. Notwithstanding any other conditions of this AGREEMENT, the books and records of SIUC which pertain to this AGREEMENT will be made available upon reasonable request for audit by authorized personnel. The records will be retained for a period of three (3) years following final payment.

XIV. INSPECTION

SPONSOR, through its authorized representative, has the right at all reasonable times to inspect or otherwise evaluate the work performed or being performed by SIUC. It is understood and agreed that SPONSOR's representative has no authority to supervise, direct or control and that in all respects the carrying out of the work shall be under SIUC's supervision and control and in accordance with SIUC's established policies governing the conduct of research, including use of SIUC facilities.

XV. FORCE MAJEURE

Each Party will be excused from performance of the AGREEMENT only to the extent that performance is prevented by conditions beyond the reasonable control of the affected Party. The Party claiming excuse for delayed performance will promptly notify the other Party and will resume its performance as soon as performance is possible.

XVI. RESOLUTION OF DISPUTES

The parties will enter into good faith negotiations to resolve any disputes arising from this AGREEMENT. Resolution will be confirmed by written amendment to this AGREEMENT. If the Parties cannot resolve any dispute amicably through negotiation, either Party may terminate this AGREEMENT in accordance with Article X.

XVII. ENTIRE AGREEMENT AND CHANGES

This AGREEMENT sets forth the entire agreement and understanding between SIUC and SPONSOR as to the subject matter thereof and merges all prior discussions between them; and neither party shall be bound by any conditions, definitions, warranties, understandings or representations with respect to such subject matter other than is expressly provided herein. This AGREEMENT may not be modified or altered except in writing by an

instrument duly executed by authorized officers of both parties. Provided, however, that no provision appearing in any standard form document originated by SPONSOR, including but not limited to any purchase order or confirmation order, shall be applicable, even if signed by both parties, unless the parties also execute a separate instrument expressly modifying this AGREEMENT.

XVIII. SURVIVAL

All terms set forth in Article VI, Article X, and Article XIII of this AGREEMENT that are intended to survive termination or expiration in order to be effective shall survive such termination or expiration.

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

**Southern Illinois University Carbondale
Office of Sponsored Projects Administration
900 S Normal Avenue, Mail Code 4709
Carbondale, Illinois 62901-4302**

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

By: _____

By: _____

Name: _____

Name: Steven C. Parrish

Title: _____

Title: General Manager/Chief Engineer

Date: _____

Date: _____

Attachment A
PROPOSAL

CLIMATE CHANGE IMPACT ASSESSMENT ON STORM-WATER INFRASTRUCTURE WITHIN LAS VEGAS VALLEY

INTRODUCTION

Problem Statement: Recent years have seen a growing interest on quantifying the changes in water resources as these changes have been amplified as a result of climate change, human interventions along with the variability in land use. The patterns of present climatic variables like precipitation, and temperature along with the streamflow shows the growing trends and shifts generating the clear requisite of development and refinement of predictions of precipitation and streamflow. The intensified precipitation is expected to occur more frequently, leading to severe hydrologic consequences, like more flooding and erosion. The climate change derived future changes of high intensity rainfalls may have impacts on urban storm-water systems. In this proposal, we will plan to evaluate the potential impact of climate change on the hydrology in the Las Vegas Valley (LVV) by utilizing the data from several established Global Climate Models outputs.

RATIONALE AND SIGNIFICANCE

Relevance to Agencies Long Term Goals: This proposal addresses several key urban sustainability questions of managing water resources under changing climate conditions. Firstly, we propose to quantify the impacts of climate variability and change on hydrology in LVV. This is accomplished by using the U.S. Army Corps of Engineers Hydrologic Engineering Center's Hydrologic Modeling System (HEC-HMS) 2013 storm-water model managed by Clark County Regional Flood Control District (CCRFCD), we will explore the projected changes in rainfall depths and the resulting effects on the hydrology for selected watersheds in Las Vegas. Second, the effect of varying design frequencies on the peak flows will be evaluated. Finally, the climate data will be downscaled at a local scale using observed data and its impact on current and future flows will be assessed.

RESEARCH GOAL AND HYPOTHESES

“Recent climate change has altered the hydrology primarily by changing the intensity, recurrence, and amount of precipitation.”

The study is proposed primarily to assess the effects of climate change on the hydrology within the LVV. The study will benefit the water managers and engineers to better understand the potential impacts of climate change on varying rainfall patterns and will aid in better planning and mitigation of flooding from storm flows within the region. On the basis of conducted preliminary investigation and literature review our study will be centralized on the following key topics:

- 1) Assessing the effect of climate change on rainfall depths.
- 2) Analyzing the impact on design rainfall depths considering storm of different frequencies and duration.
- 3) Assessment of the impact of climate change using the downscaled data.

RELATION TO STATE OF KNOWLEDGE

Background: Current climate change trends are expected to result in warmer global surface and near surface (lower atmosphere) temperatures, which will increase the ability of air to hold and redistribute moisture. This improved ability of air to hold and redistribute moisture can result in a faster global water cycle resulting in an enhancement in the patterns of surface water fluxes such as evaporation and precipitation (Held and Soden, 2006). As an evidence to this theory, previous studies have estimated that the water cycle has already intensified by ~4% as a response to a current increase in global temperature by 0.5 degree Celsius. An intensification of existing patterns of global surface fluxes has significant consequences on water distribution among the various water cycle components. These changes to the global water cycle are also expected to increase the number of extreme water events such as droughts and floods as evident by the increasing research on climate change studies.

United States is growing progressively as an urban society since last century. Urbanization reduces the infiltration of rainwater due to increased impervious areas reducing consequent magnified hydrologic effects (Semadeni Davies et al., 2008). The change in natural land cover condition from urbanization increases the discharge, volume and frequency of floods (Konrad 2003). The climate change derived future changes of high intensity rainfalls may have amplified impacts on urban storm-water systems. The proper design and management of storm-water drainage systems can attenuate the severe impacts of extreme rainfall events. The present prevalent standards for design of storm-water drainage system are based on the assumption that the probability distribution of rainfall extremes remains statistically stationary (Rosemberg et al 2010). The climate change has brought the uncertainty over the future performance of facilities designed and built under this standard. The increased frequency and magnitude of storm events could surpass the capacity of storm-water facilities and increase the amount of total sediment transport. The impacts of excess design rainfall range from the localized street flooding to entire area flooding.

DATASETS USED

Data sets used in the proposed study are climate models data historical and future data sets, Observed historical data from the gage stations. All the datasets used in this study are available for free. The data sets are obtained from various sources as listed below:

North American Regional Climate Change Assessment Program (NARCCAP) models data sets will be used for the first objective. Table 1 provides the abbreviations and names of the models whose data are used in this work. NARCCAP data sets are available for the time period of 1970-2000 for historic precipitation and 2040-2070 for the future precipitation. These data are gridded climate model data of 50 km spatial resolution.

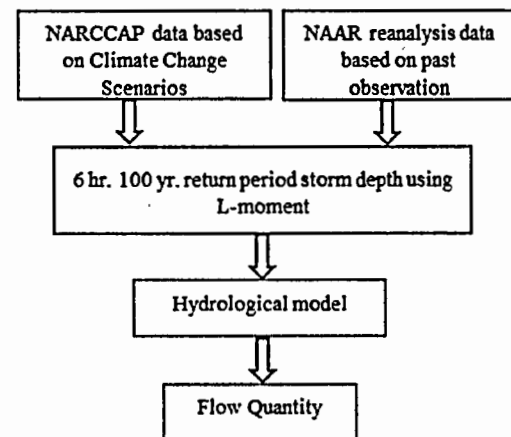
Table 1: Combination of Global Climate Model and Regional Climate Model in the adopted North American Regional Climate Change Assessment Program Climate Models

Model Combination RCM/ GCM	RCM	GCM
CRCM /CGCM3	Canadian Regional Climate Model	Third Generation Coupled Global Climate Model
RCM3/CGCM3	Regional Climate Model version 3	Third Generation Coupled Global Climate Model
WRFG /CGCM3	Weather Research and Forecasting Model	Third Generation Coupled Global Climate Model
CRCM /CCSM	Canadian Regional Climate Model	Community Climate System Model
WRFG /CCSM	Weather Research and Forecasting Model	Community Climate System Model
MM5I /CCSM	MM5 – PSU/NCAR Mesoscale Model	Community Climate System Model
HRM3/HaDCM3	Hadley Regional model 3	Hadley Centre Coupled Global Climate Model
MM5I /HaDCM3	MM5 – PSU/NCAR Mesoscale Model	Hadley Centre Coupled Global Climate Model
HRM3/GFDL	Hadley Regional model 3	Geophysical Fluid Dynamics Laboratory
RCM3/GFDL	Regional Climate Model version 3	Geophysical Fluid Dynamics Laboratory
ECPC/GFDL	Experimental Climate Prediction Center	Geophysical Fluid Dynamics Laboratory
Timeslice GFDL	None	Geophysical Fluid Dynamics Laboratory
Timeslice CCSM	None	Community Climate System Model

The North American Regional Reanalysis (NARR) data is an extensive work of the National Centers for Environmental Prediction (NCEP) towards the major improvement upon earlier NCEP/NCAR Global Reanalysis (Kalnay et al, 1996, Kistler et al, 2001,). Reanalyses use observation and model output to produce a long-term systematic description of the climate system, and output data are considered as gridded estimation of historic observation (Kennedy et al, 2011). The resolution of NARR, 32 km resolution, is smaller than NARCCAP data resolution. Unlike the NARCCAP data, NARR data are available from 1979 to 2015, but same 3-hourly temporal resolution. Since the NARCCAP data do not have historic dataset after 2000, this work only considers NARR data of period, 1979-2000.

Task 1: Climate change impact assessment of two watersheds, Duck Creek and Upper Northern, of Las Vegas Nevada with change in standard design storm

Previous studies on the climate change impacts on the storm-water has suggested the replacement of the current design standard by a simple and robust method that includes the climate change parameter. For the assessment of potential impacts to rainfall depths calculations will be done using the climate model driven datasets of NARCAP. The L-moment based Generalized Extreme Value method will be used with the regionalization for the calculation of 6h 100y depth. In the precipitation frequency atlas of NOAA, various statistical distributions were examined for the best-representative distribution of meteorological condition for different homogeneous climate divisions (Bonnin et al. 2011). The study shows that the GEV probability distribution produced best fit for the Clark county region (Bonnin et al. 2011). NARR data will be used for the screening NARCAP for the historic design depths. Delta change factor, an alternative of complex downscaling for gridded data will be used for the calculation of climate change derived future design depth.



Task 2: Climate change impact assessment using the different combination of duration and return period storms

According to Penning-Roswell et al., (1996), the intensified precipitation is supposed to occur frequently, leading to severe hydrologic problems like floods and erosion. The flooding reports from the CCRFCD suggests that the storms that caused severe flooding were convective and intensified in nature. With the change in intensity and pattern the rainfall, the capability of storm-water needs to be assessed with the different sets of storm depth. A design storm can be represented by a value of rainfall depths or intensity (presented by IDF curves) or by a design hyetograph specifying the time distribution of rainfall during a storm. Design storm depths associated with 3 h and 6 h duration and return period (2-yr, 5-yr, 10-yr, 25-yr, 50-yr and 100-yr) will be calculated for NARCCAP and NARR climate model simulations at grid-scale. NARR data will be used for screening NARCAP for the historic design depths. 3hr rainfall data will be obtained from 6hr available data as 6hr rainfall data includes rainfall distribution of any duration of rain less than 6 hrs. First the ratio between the 3hr and 6hr rainfall will be obtained (NRCS, 2015). The 3hr rainfall to 6hr rainfall ratio will then be centered at 3hrs hence, 3hr rainfall starting at 1.5hr and ending at 4.5hrs will be obtained (NRCS, 2015).

Data for each time series will be aggregated into 3-, 6-, 12- and 24 h duration on an annual basis, and the yearly maximum value for each duration will be determined from the aggregated time series to generate time series of annual maximum rainfall depth. Frequency analysis will be performed on these annual maximum time series data by using the best fitted distribution among the various probability distributions. Each probability distributions will be tested for the NARR, NARCCAP current and future dataset, and the best among the fitted distribution will be used for frequency analysis to calculate potential storm design depths.

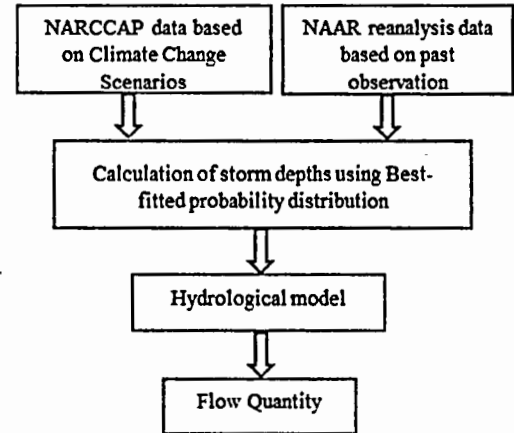
Two statistical tests, Pearson chi-square test and Kolmogorov-Smirnov will be used to test the goodness of fit at a 95% confidence level. The best fitted distribution is the distribution that attains the highest percentage of a. The percentage value of 'a' for Chi-square test (equation 1) and Kolmogorov-Smirnov (equation 2) are defined by the following two equations:

$$a_{\text{attained}} = 1 - x^2 (m = k - r - 1, q) \quad (1)$$

$$a_{\text{attained}} = 1 - x^2 (m, q) \quad (2)$$

where m are the degrees of freedom of chi square test, k is the number of bins used in chi square test, r is numbers of parameters of the distribution and q is the Pearson parameter.

The climate models provide gridded data; those are areal average and not point estimates. The systematic difference between climate model simulated and observed precipitation is a problem for using regional climate models for hydrological purposes (Leander and Buishand, 2007). The storm depth values calculated from the NARCCAP datasets are for grid scale. Delta change factor can be applied to discrete totals i.e., design storm depths to transpose projected future change in climate into point observation. The assumption in this conversion is that areal-to-point relationships of precipitation remain constant in future climates. The delta change factor described by Zhu et al. (2012) to adjust the historic station scale intensities/depths to produce future station scale values for the same duration and return period will be used in this study. An estimate of potential future rainfall depths, durations and intensities will be developed. HEC-HMS will be implemented for the



hydrological modeling to assess the climate change imposed impacts on the hydrology of certain watersheds.

Task 3: Climate change impact assessment using the downscaled climate models data

The climate model data can also be used by using the different downscaling methods which is an alternative approach of delta change factor to use the gridded climate information to the station level. The existing downscaling techniques have two broad classes: statistical and dynamical. Extensive details about the theories behind these classes as well as their advantages and disadvantages can be found in Fowler et al. (2007), among others. Among the statistical downscaling techniques Modified K-Nearest Neighbor (K-NN) method is considered to be computationally less demanding, simple to apply, and efficient. In this study we will present a downscaling methodology based on the K-nearest neighbor (K-NN) algorithm (Lall and Sharma, 1996). The fundamental idea of the K-NN algorithm is to search for analogs of a feature vector (vector of variables for which analogs are sought) based on similarity criteria in the observed time series. After downscaling the climate model data the same statistical approach used in Task 2 will be used to come up with the future design depths of different frequency and duration. The impact on the existing hydrology by the calculated future rainfall depths will be assessed in the existing HEC-HMS hydrological modeling.

ORGANIZATION AND MANAGEMENT PLAN

The proposed one-year research is a partnering effort between two universities i.e. SIUC and UNLV with CCRFCD. Dr. Kalra (PI) will be the lead investigator, primarily responsible for management of the project and submission of reports (intermediate and annual). Dr. Kalra along with Dr. Ahmad (Co-PI) will train graduate and undergraduate students. Both PI's will execute the project with emphasis on quality of research, development of personnel and importance of outreach. Two graduate students (M.S. level) will be involved in this project. We will involve undergraduate students (hourlies) in downloading and preprocessing data sets.

Tasks and responsibilities

- 1) Acquisition of datasets for climate variability, (Personnel: Undergraduates (hourlies), Graduate Student, QA/QC Dr. Kalra, and Dr. Ahmad, Anticipated time: 2.5 months)
- 2) Execution of Task 1: (Personnel: Graduate Student, QA/QC Dr. Kalra, and Dr. Ahmad, Anticipated time: 4.0 months).
- 3) Execution of Task 2: (Personnel: Graduate Student, QA/QC Dr. Kalra, and Dr. Ahmad, Anticipated time: 3.5 months-overlap with Task 1).
- 4) Execution of Task 3: (Personnel: Graduate Student, QA/QC Dr. Kalra, and Dr. Ahmad, Anticipated time: 3.5 months-overlap with Task 2)
- 5) Dissemination of Results from all Tasks to peer-reviewed journal and conferences (All)
- 6) Reporting (All, we plan to provide two semi-annual reports along with one final report based on the feedback from agency)

EXPECTED OUTCOMES

The proposed research will aid in providing a framework for assessment for the design of future storm-water infrastructure under changing climate. The proposed research will cover the future probable aspects of climate using the broad knowledge of statistical analyses. Assessment of storm-water infrastructure in urban areas is often based on rainfall depths resulting from storms of a specific return period and duration (e.g., 6-hour, 100-year storms), which are calculated from historic data. The research will provide analysis for several storms of varying magnitude and frequencies. Hydrologic design based on the assumption that historic data will reflect future meteorological conditions may not be applicable in changing climate. With warming temperatures in the Southwest, the characteristics of storm events may change from what the community has faced historically. Storm events may intensify and possibly occur more frequently in the future. The current research overcomes these limitations by utilizing climate data for the past and future to assess the effect on the existing storm-water system within Las Vegas Valley. The outcome of the result will provide a range of possible outcomes that may result from climate change for use in decision making regarding flood control infrastructure design.

EDUCATION AND OUTREACH

PIs have the privilege of mentoring women and minority students at the undergraduate and graduate levels, which provide a supportive environment for minority students, including a wide range of cultural, professional, and social support structures. Every effort will be made to enhance diversity and broaden participation of minorities and underrepresented groups into the project. Two graduate student and undergraduate students (hourlies) will participate, enriching their educational experiences by exposing them to theoretical and applied research. The proposed work will provide thesis topics for up to two full-time graduate students. As it has been the practice of the investigators, results will be disseminated through publications in peer-reviewed journals, presentations at conferences, and seminars. The proposed research will lead to a number of educational modules, which will be used in classroom teaching.

PROPOSED BUDGET

Below is the summary of the proposed budget along with SIUC cost sharing information

Agency: Clark County Regional Flood Control District					
Budget Period: 7/1/17-6/30/18					
	CCRFCD			SIUC Match	
	Salary	# Mos	Amount	# Mos	Amount
A. Professional Staff					
Ajay Kalra (SIUC)	\$9,220	2	\$18,440	1	\$9,220
Sajjad Ahmad (UNLV)	\$0	0	\$0		
B. Other Personnel					
MS Student 1	\$3,108	12	\$18,648		
MS Student 2	\$3,108			12	\$18,648
Undergraduate	\$10	12	\$500		
C. Subtotal Personnel			\$37,588		\$27,868
D. Fringe Benefits for Professional Staff					
Retirement & Insurance @ 54.7%			\$10,751		\$5,043
E. Fringe Benefits for Other Personnel					
Primary Care Fee for GAs			\$372		\$372
F. Subtotal Personnel and Benefits			\$48,711		\$33,283
G. Travel					
SIUC (Agency Meeting, Conference)			\$1,000		\$1,000
UNLV (Agency Meeting, Conference, Supplies)			\$2,000		
H. Direct Costs (SIUC)			\$52,701		\$34,283
I. Direct Costs (UNLV)			\$2,000		
J. Indirect Costs (47.5% of MTDC) SIUC			\$25,033		\$16,284
K. Indirect Costs (49.5% of MTDC) UNLV			\$990		
L. Total Year One Costs Requested			\$77,734		\$50,567

BUDGET JUSTIFICATION (Agency)

A: Professional Staff: The total request for summer salary for Dr. Kalra is 2 months for a total of \$18,440.

B: Other Personal: The total salary requested for 1 full time graduate student (fall and spring half time and full time for summer) and 1 undergraduate student (50 hrs @ \$10/hr) for a total of \$19,148.

C: Subtotal Personal: The subtotal for professional staff and other personal is provided.

D: Fringe Benefits for Professional Staff: Fringe benefits for the professional are calculated with the standard university rate.

E: Fringe Benefits for Other Personal: Fringe benefits for other personal are calculated with the standard university rate.

F: Subtotal Personal and Benefits: Subtotal cost for professional staff and other personal are provided including the fringe benefits.

G: Travel/Supplies: Funds are requested to travel for meeting agency and providing project reports and getting feedback. The funds will also be used to travel to national conferences for presenting the proposed research in consultation with the agency. A portion will be used for supplies during the proposed research.

H,I: Direct Cost: Total off all the above costs.

J,K: Indirect Costs: Indirect costs are calculated using the standard university rate (47.5% for SIUC and 48% for UNLV) of the total direct costs.

L: Total Cost: The total cost requested (direct and indirect) from the agency is provided.

REFERENCES:

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**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

RESOLUTION NO. 17-5 REQUESTING THE BOARD OF COUNTY COMMISSIONERS OF CLARK COUNTY, NEVADA, TO ISSUE CLARK COUNTY, NEVADA, GENERAL OBLIGATION (LIMITED TAX) FLOOD CONTROL CROSSOVER REFUNDING BONDS (ADDITIONALLY SECURED BY PLEDGED REVENUES), SERIES 2017 AND CONSENTING AND AGREEING TO BE BOUND BY THE PROVISIONS OF THE 2017 FLOOD CONTROL CROSSOVER REFUNDING BOND ORDINANCE

RECOMMENDATION SUMMARY

STAFF:

Approve, adopt, and authorize the Chairman to sign Resolution No. 17-5 requesting the Board of County Commissioners of Clark County, Nevada, to issue Clark County, Nevada, General Obligation (Limited Tax) Flood Control Crossover Refunding Bonds (Additionally Secured by Pledged Revenues), Series 2017 to refinance certain outstanding bonds of the District, in accordance with the County's Debt Management Policy and the State of Nevada Bond Act and consenting and agreeing to be bound by the provisions of the 2017 Flood Control Crossover Refunding Bond Ordinance.

RFCD AGENDA
ITEM #11
DATE: 09/14/17

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT:

RESOLUTION NO. 17-5 REQUESTING THE BOARD OF COUNTY COMMISSIONERS OF CLARK COUNTY, NEVADA, TO ISSUE CLARK COUNTY, NEVADA, GENERAL OBLIGATION (LIMITED TAX) FLOOD CONTROL CROSSOVER REFUNDING BONDS (ADDITIONALLY SECURED BY PLEDGED REVENUES), SERIES 2017 AND CONSENTING AND AGREEING TO BE BOUND BY THE PROVISIONS OF THE 2017 FLOOD CONTROL CROSSOVER REFUNDING BOND ORDINANCE

PETITIONER:

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

RECOMMENDATION OF PETITIONER:

APPROVE, ADOPT, AND AUTHORIZE THE CHAIRMAN TO SIGN RESOLUTION NO. 17-5 REQUESTING THE BOARD OF COUNTY COMMISSIONERS OF CLARK COUNTY, NEVADA, TO ISSUE CLARK COUNTY, NEVADA, GENERAL OBLIGATION (LIMITED TAX) FLOOD CONTROL CROSSOVER REFUNDING BONDS (ADDITIONALLY SECURED BY PLEDGED REVENUES), SERIES 2017 TO REFINANCE CERTAIN OUTSTANDING BONDS OF THE DISTRICT, IN ACCORDANCE WITH THE COUNTY'S DEBT MANAGEMENT POLICY AND THE STATE OF NEVADA BOND ACT AND CONSENTING AND AGREEING TO BE BOUND BY THE PROVISIONS OF THE 2017 FLOOD CONTROL CROSSOVER REFUNDING BOND ORDINANCE (FOR POSSIBLE ACTION)

FISCAL IMPACT: The Refunding Bonds will be repaid by proceeds of the one quarter of one percent Sales Tax.

BACKGROUND:

On November 13, 2008, the Board adopted Resolution No. 08-5 authorizing the District to secure up to \$300 million in general obligation commercial paper, notes, bonds, and other securities, or any combination thereof. On May 21, 2009, the Board of Directors approved Resolution No. 09-1 consenting and agreeing to be bound by the provisions of the 2009 Flood Control Bond Ordinance authorizing the issuance of the Clark County, Nevada, General Obligation (Limited Tax) Flood Control Bonds (Additionally Secured by Pledged Revenues), Series 2009A and Series 2009B, subject to the Clark County Board of Commissioners adoption of the Flood Control Bond Ordinance. At the District's request on June 2, 2009, the Board of County Commissioners approved an Ordinance authorizing the Sale of the General Obligation (Limited Tax) Flood Control Bonds (Additionally Secured by Pledged Revenues), Series 2009B.

RFCD AGENDA ITEM #11 Date: 09/14/17

The American Recovery and Reinvestment Act of 2009 (“ARRA”) was enacted into law on February 17, 2009 and contained numerous provisions to promote effective capital markets for tax-exempt issuers. The Build America Bond (“BAB”) program allowed an issuer to directly claim up to a 35 percent tax credit as a cash payment from the Treasury. Utilizing this credit structure, issuers were able to access long-term funding at a net of up to 65 percent of taxable rates, potentially creating savings relative to traditional tax-exempt fixed rate bonds.


Pursuant to the requirements of the Balanced Budget and Emergency Deficit Control Act of 1985, as amended, refund payments to certain state and local government filers claiming refundable credits under section 6431 of the Internal Revenue Code applicable to certain qualified bonds are subject to sequestration.

For fiscal year 2018, tax credits for the BAB program have been reduced by the sequestration rate of 6.6 percent, or a net subsidy of 32.725 percent. The sequestration reduction rate will be applied until a law is enacted that cancels or otherwise impacts sequestration.

Based on current market conditions, the savings will meet the criteria for refundings as set forth in the Debt Management Policy, by executing a refunding for the outstanding Series 2009B BABs using a crossover structure.

Staff recommends adoption of the attached Resolution No. 17-5 requesting the Board of County Commissioners of Clark County, Nevada, to issue Clark County, Nevada, General Obligation (Limited Tax) Flood Control Crossover Refunding Bonds (Additionally Secured by Pledged Revenues), Series 2017 for the purpose of refinancing all or a portion of the outstanding Clark County, Nevada, General Obligation (Limited Tax) Flood Control Refunding Bonds (Additionally Secured by Pledged Revenues), Series 2009B for interest rate savings and consents to and agrees to be bound by the provisions of the 2017 Flood Control Crossover Refunding Bond Ordinance to be adopted by the Board.

Respectfully submitted,



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

RFCD AGENDA ITEM #11 Date: 09/14/17

RESOLUTION NO. 17-5

A RESOLUTION REQUESTING THE BOARD OF COUNTY COMMISSIONERS OF CLARK COUNTY, NEVADA, TO ISSUE CLARK COUNTY, NEVADA, GENERAL OBLIGATION (LIMITED TAX) FLOOD CONTROL CROSSOVER REFUNDING BONDS (ADDITIONALLY SECURED BY PLEDGED REVENUES), SERIES 2017 AND CONSENTING AND AGREEING TO BE BOUND BY THE PROVISIONS OF THE 2017 FLOOD CONTROL CROSSOVER REFUNDING BOND ORDINANCE.

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT THAT:

The Clark County Regional Flood Control District requests the Board of County Commissioners (the "Board") of Clark County (the "County"), Nevada to issue the Clark County, Nevada, General Obligation (Limited Tax) Flood Control Crossover Refunding Bonds (Additionally Secured by Pledged Revenues), Series 2017 for the purpose of refinancing all or a portion of the outstanding Clark County, Nevada, General Obligation (Limited Tax) Flood Control Refunding Bonds (Additionally Secured by Pledged Revenues), Series 2009B and consents to and agrees to be bound by the provisions of the 2017 Flood Control Crossover Refunding Bond Ordinance to be adopted by the Board, including, without limitation, the pledge of the revenues derived from the tax imposed pursuant to NRS 543.600 (on retail sales and the storage, use or other consumption of tangible property in the County).

PASSED, ADOPTED AND APPROVED this September 14, 2017.

Clark County Regional Flood Control District
Board of Directors

Lawrence L. Brown, III, Chairman

Attest:

Deanna Hughes, Board Secretary

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

**QUARTERLY PROJECT STATUS REPORTS
REPORTING PERIOD: MAY 2017 THROUGH JULY 2017**

RECOMMENDATION SUMMARY

STAFF: Accept the reports.

TECHNICAL ADVISORY: To be heard at the September 28, 2017 Technical Advisory Committee meeting.

CITIZENS ADVISORY: To be heard at the October 2, 2017 Citizens Advisory Committee meeting.

**RFCD AGENDA
ITEM #12
DATE: 09/14/17**

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT:

QUARTERLY PROJECT STATUS REPORTS
REPORTING PERIOD: MAY 2017 THROUGH JULY 2017

PETITIONER:

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

RECOMMENDATION OF PETITIONER:

ACCEPT THE REPORTS (FOR POSSIBLE ACTION)

FISCAL IMPACT: None.

BACKGROUND:

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


CURRENT PROJECTS (PROJECT LIST AND BOND PROJECTS)

<u>Page</u>	
1 - 2	City of Boulder City
3 - 13	City of Henderson
14 - 29	City of Las Vegas
30 - 30	City of Mesquite
31 - 45	City of North Las Vegas
46 - 65	Clark County

OTHER PROJECTS OF INTEREST

<u>Page</u>	
66 - 72	Regional Flood Control District

Respectfully submitted,



Todd Myers, P.E.
Engineering Director

TAC AGENDA ITEM # Date: 09/28/17	RFCD AGENDA ITEM #12 Date: 09/14/17
CAC AGENDA ITEM # Date: 10/02/17	

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Boulder City			Date Prepared	08/28/2017
Project Title:	Hemenway System, Phase II Improvements			Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	BOU01C10			
	Construction	BOU01D17			
Total ILA Amount (Design and Construction All Phases)					\$2,967,694

DESIGN				Contract Number		BOU01C10
Description: Phase IIA – Project includes a 10’ grade inlet extension to increase capacity at Lake Mountain Drive, install maintenance access road and increase sediment basin capacity, replace the existing levee near Lake View Drive, design of a sediment basin near, concrete line unlined channel near Katzenbach Drive, replace existing CMPs at Katzenbach Drive with an 8’x4’ RCB and at Lakeview Drive with a 12’x4’ RCB. Phase IIB – Project includes increase the sediment basin capacity by 0.8 ac-ft west of Lake Mountain Drive, increasing the free board in the Hemenway Channel west of Lake Mountain Drive and east of Pacifica Way and a new energy dissipator and concrete channel lining near Fire Agate and US93.						
Date of Original ILA			02/11/2010	Design ILA Amount		\$745,000
Date of Most Recent Supplement to ILA			01/12/2017			
Contract Manager: Jim Keane, P.E. Phone Number: 702-293-9200		Entity: City of Boulder City		Consultant: Advantage Civil Design Group LLP		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$730,000	\$15,000	\$0	\$0	\$0
Percent Complete	0%	90%	100%	0%	0%	0%
Scheduled Completion		09/29/2017	05/01/2016			
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant has submitted revised 100% plans, Ph IIB 60% plans have been submitted & reviewed. Consultant is working on plan comments & 90% plans						
Work to be Completed During Next Quarter: Staff to complete spec book to 100% and submit for review. Consultant to submit Phase IIB 90% plans for review. Prepare Phase IIA documents for bidding.						

CONSTRUCTION				Contract Number		BOU01D17
Project Name: Hemenway System, Phase IIA Improvements						
Date of Original ILA			02/09/2017	Construction ILA Amount		\$2,222,694
Date of Most Recent Supplement to ILA						
Description: Project includes a 10’ grade inlet extension to increase capacity at Lake Mountain Drive, install maintenance access road and increase sediment basin capacity, replace the existing levee near Lake View Drive, design of a sediment basin near, concrete line unlined channel near Katzenbach Drive, replace existing CMPs at Katzenbach Drive with an 8’x4’ RCB and at Lakeview Drive with a 12’x4’ RCB.						
Contract Manager: Jim Keane Phone Number: 702-293-9200		Construction Mgr:		Contractor:		
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$2,047,694	\$175,000	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	02/09/2017	10/19/2017	11/13/2017	12/29/2018		
Bid Amount	\$0					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant has submitted the 100% plans. Staff working on completing the construction documents for bidding.						
Work to be Completed During Next Quarter: Address any staff comments and complete documents for advertising for bids.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Boulder City			Date Prepared	08/28/2017
Project Title: North Railroad Conveyance				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	BOU05J10			
	Construction	BOU05L11			
Total ILA Amount (Design and Construction All Phases)				\$4,033,502	

DESIGN			Contract Number			BOU05J10
Description: Project includes a new concrete channel to protect the Veteran's Home, a new 60" to 54" to 48" RCP to parallel the existing RCP storm drain, and expansion of the North Railroad Detention Basin to increase storage capacity.						
Date of Original ILA			02/11/2010	Design ILA Amount		\$530,000
Date of Most Recent Supplement to ILA			04/13/2017			
Contract Manager:		Entity: City of Boulder City		Consultant:		
Phone Number:						
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$515,000	\$15,000	\$0	\$0	\$0
Percent Complete	0%	95%	100%	0%	0%	0%
Scheduled Completion		09/29/2017	05/01/2011			
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant has submitted the 100% design report and plans for review. Staff working on specifications for the project.						
Work to be Completed During Next Quarter: Consultant to address any plan review comments and re-submit 100% plans. Staff to complete and submit specifications for review. Staff to submit request for construction funding.						

CONSTRUCTION			Contract Number			BOU05L11
Project Name: North Railroad Conveyance						
Date of Original ILA			05/19/2011	Construction ILA Amount		\$3,503,502
Date of Most Recent Supplement to ILA			03/12/2015			
Description: The basic improvements shall consist of the construction of 10' x 5' and 4' x 3' reinforced concrete box (RCB) culverts, 10' x 5' and 8' x 6' rectangular concrete channels, 24", 36", 48" and 54" reinforced concrete pipe (RCP) storm drain and associated appurtenances as necessary to control floodwaters.						
Contract Manager: Jim Keane, P.E.		Construction Mgr: Tri State		Contractor: APCO Constuction		
Phone Number: 702 293-9200						
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$3,045,163	\$458,339	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	08/11/2011	07/19/2012	10/08/2012	07/25/2013		
Bid Amount	\$2,964,990					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: All work complete.						
Work to be Completed During Next Quarter: All work complete						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Henderson			Date Prepared	08/28/2017
Project Title:	Pittman Wash, Duck Creek at I-515			Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	HEN01H09			
	Construction	HEN01I14			
Total ILA Amount (Design and Construction All Phases)					\$2,892,580

DESIGN			Contract Number		HEN01H09	
Description: Pittman Wash Duck Creek at I-515 project (PTDC 0074) crossing under I515, north of the Galleria Interchange. Includes addition of two 12-foot by 8-foot (RCB's) to the existing facility.						
Date of Original ILA			07/09/2009	Design ILA Amount	\$402,705	
Date of Most Recent Supplement to ILA			03/12/2015			
Contract Manager: Scott Jarvis Phone Number: 267-3065		Entity: City of Henderson		Consultant: Atkins		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$372,370	\$20,401	\$9,934	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		04/30/2015	07/30/2014	07/30/2014		
Delay or Problem Areas/Resolution: Now tracking under HEN01I14.						
Work Completed During Current Quarter: Now tracking under HEN01I14.						
Work to be Completed During Next Quarter: Now tracking under HEN01I14.						

CONSTRUCTION			Contract Number		HEN01I14
Project Name: Pittman Wash, Duck Creek at I-515					
Date of Original ILA			12/11/2014	Construction ILA Amount	\$2,489,875
Date of Most Recent Supplement to ILA			05/21/2015		
Description: Pittman Wash Duck Creek at I-515 project (PTDC 0074) crossing under I515, north of the Galleria Interchange. Design revised during CMAR process to replace existing 4: 10'x8' RCBC's with 3: 21'x8' RCBC's to full extent of NDOT ROW. NDOT is contributing to construction cost.					
Contract Manager: Scott Jarvis, PE Phone Number: 702-267-3065		Construction Mgr:		Contractor: Las Vegas Paving	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$2,303,585	\$186,290	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	12/11/2014	04/30/2015	06/02/2015	12/31/2016	
Bid Amount	\$3,403,585				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Construction is complete.					
Work to be Completed During Next Quarter: Complete project.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Henderson			Date Prepared	08/28/2017
Project Title: Racetrack Channel, Drake to Burkholder				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	HEN04P09			
	Construction	HEN04Q15			
Total ILA Amount (Design and Construction All Phases)				\$1,284,749	

DESIGN			Contract Number			HEN04P09
Description: This project consists of replacing the existing earthen lined channel bottom with a concrete lined channel bottom. The project is 1,260 feet in length and conveys a flow rate of 721 cfs. It is referred to in the 2008 Master Plan Update as ID Nos. C1RT0001, C1RT0016, and C1RT0041.						
Date of Original ILA			12/10/2009		Design ILA Amount	
Date of Most Recent Supplement to ILA			12/10/2015		\$247,099	
Contract Manager: Albert J. Jankowiak, P.E., CFM Phone Number: 702-267-3024			Entity: City of Henderson		Consultant:	
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$242,099	\$5,000	\$0	\$0	\$0
Percent Complete	100%	100%	100%	100%	0%	0%
Scheduled Completion		07/01/2015	01/31/2015	01/31/2015		
Delay or Problem Areas/Resolution: None						
Work Completed During Current Quarter: Project is complete. All invoices are paid and started closed out process.						
Work to be Completed During Next Quarter: complete close-out process.						

CONSTRUCTION			Contract Number			HEN04Q15
Project Name: Racetrack Channel, Drake to Burkholder						
Date of Original ILA			07/09/2015		Construction ILA Amount	
Date of Most Recent Supplement to ILA			01/14/2016		\$1,037,650	
Description: This project consists of replacing the existing earthen lined channel bottom with a concrete lined channel bottom. The project is 1,260 feet in length and conveys a flow rate of 721 cfs. It is referred to in the 2008 Master Plan Update as ID Nos. C1RT0001, C1RT0016, and C1RT0041.						
Contract Manager: Matt Roybal Phone Number: 702-267-3066			Construction Mgr: Brian Hafen		Contractor: Las Vegas Paving	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$903,650	\$134,000	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	07/09/2015	08/11/2015	12/01/2015	10/31/2016		
Bid Amount	\$774,430					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Project is complete. All invoices are paid and started closed out process.						
Work to be Completed During Next Quarter: Complete close out of interlocal						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Henderson			Date Prepared	08/28/2017
Project Title: Pittman, Horizon Ridge Detention Basin				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	HEN05E09			
	Construction	HEN05G16			
Total ILA Amount (Design and Construction All Phases)				\$9,021,685	

DESIGN			Contract Number			HEN05E09
Description: The Horizon Ridge Debris Basin and Outfall at Sumner Ranch Road (PTHR 0104 and PTHR 0203 through 0205) project was identified in the 2008 Clark County Regional Flood Control District Master Plan Update (MPU) as a segment of the Pittman Burns System. Through a Master Plan Amendment (MPA), the debris basin has been changed to a detention basin.						
Date of Original ILA			12/10/2009	Design ILA Amount		\$727,285
Date of Most Recent Supplement to ILA			08/14/2014			
Contract Manager: Scott Fiedler Phone Number: 702-267-3090		Entity: City of Henderson		Consultant: CH2M Hill/Jeff Griest		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$529,802	\$88,479	\$99,004	\$10,000	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		04/01/2017	04/01/2016			
Delay or Problem Areas/Resolution: Revised plans to incorporate work to be performed by adjacent development.						
Work Completed During Current Quarter: Finalized coordination with neighboring development.						
Work to be Completed During Next Quarter: Bid and award project construction.						

CONSTRUCTION			Contract Number			HEN05G16
Project Name: Horizon Ridge Detention Basin						
Date of Original ILA			04/14/2016	Construction ILA Amount		\$8,294,400
Date of Most Recent Supplement to ILA						
Description: The Horizon Ridge Debris Basin and Outfall at Sumner Ranch Road (PTHR 0104 and PTHR 0203 through 0205) project was identified in the 2008 Clark County Regional Flood Control District Master Plan Update (MPU) as a segment of the Pittman Burns System. Through a Master Plan Amendment (MPA), the debris basin has been changed to a detention basin.						
Contract Manager: Scott Fiedler Phone Number: 702-267-3064		Construction Mgr: Lance Olson		Contractor: TBD		
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$7,680,000	\$614,400	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	04/14/2016	05/30/2017	07/30/2017	05/01/2018		
Bid Amount	\$0					
Delay or Problem Areas/Resolution: See HEN05E09.						
Work Completed During Current Quarter: See HEN05E09.						
Work to be Completed During Next Quarter: See HEN05E09.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Henderson			Date Prepared	08/28/2017
Project Title: Equestrian Detention Basin Expansion				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	HEN06H09			
	Construction	HEN06J13			
Total ILA Amount (Design and Construction All Phases)				\$1,372,562	

DESIGN			Contract Number			HEN06H09
Description: The Equestrian Detention Basin Expansion project (C1EQ 0160) is identified in the 2008 Clark County Regional Flood Control District Master Plan Update (MPU) as a segment of the C 1 Channel System. The improvements to the Equestrian Detention Basin will expand the capacity from 409 acre-feet to 448.2 acre-feet in order to provide the storage to impound the runoff volume generated during the 100-year design storm event.						
Date of Original ILA			08/13/2009		Design ILA Amount	\$346,797
Date of Most Recent Supplement to ILA			03/09/2017			
Contract Manager: Albert J Jankowiak, P.E., CFM Phone Number: 702-267-3024		Entity: City of Henderson		Consultant: LBG		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$292,966	\$12,818	\$29,013	\$12,000	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		09/30/2013	07/25/2011	09/01/2011	12/31/2018	
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: LBG is working on LOMR and State Dam Safety Permit update package. See HEN06J13.						
Work to be Completed During Next Quarter: LBG to continue working on LOMR and State Dam Safety Permit update package. See HEN06J13.						

CONSTRUCTION			Contract Number			HEN06J13
Project Name: Equestrian Detention Basin Expansion						
Date of Original ILA			10/11/2012		Construction ILA Amount	\$1,025,765
Date of Most Recent Supplement to ILA			07/13/2017			
Description: The Equestrian Detention Basin Expansion project (C1EQ 0160) is identified in the 2008 Clark County Regional Flood Control District Master Plan Update (MPU) as a segment of the C 1 Channel System. The improvements to the Equestrian Detention Basin will expand the capacity from 409 acre-feet to 448.2 acre-feet in order to provide the storage to impound the runoff volume generated during the 100-year design storm event.						
Contract Manager: Albert J Jankowiak, P.E. Phone Number: 267-3024		Construction Mgr: Nate Wilson/Tom Davy		Contractor: Tand, Inc.		
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$968,496	\$57,268	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	04/11/2013	04/28/2014	10/13/2014	04/11/2015		
Bid Amount	\$987,355					
Delay or Problem Areas/Resolution: None.						
Work Completed During Current Quarter: City council approved amendment to ESA. LBG started working on LOMR and State Dam Safety Permit update package. See HEN06H09.						
Work to be Completed During Next Quarter: LBG started working on LOMR and State Dam Safety Permit update package. See HEN06H09.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Henderson			Date Prepared	08/28/2017
Project Title: Pittman, West Horizon - Palm Hills				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	HEN12I09			
	Construction	HEN12J16			
Total ILA Amount (Design and Construction All Phases)				\$3,105,958	

DESIGN			Contract Number			HEN12I09
Description: The Pittman West Horizon Palm Hills project (PTWH 0032) is identified in the 2008 Clark County Regional Flood Control District Master Plan as a segment of the Pittman Burns System. Construction of this facility will provide a connection from the existing concrete channel above the Palm Hills development to existing reinforced concrete arch pipe at MPU Structure No. PTWH 0000, protecting existing area homes, a park and downstream commercial properties.						
Date of Original ILA			07/09/2009		Design ILA Amount	
Date of Most Recent Supplement to ILA			08/14/2014		\$275,078	
Contract Manager: Scott Fiedler Phone Number: 702 267 3064			Entity: City of Henderson		Consultant: CH2M Hill	
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$209,643	\$42,727	\$22,708	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		04/01/2016	04/01/2016			
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: See HEN12J16.						
Work to be Completed During Next Quarter: See HEN12J16.						

CONSTRUCTION			Contract Number			HEN12J16
Project Name: Palm Hills Channel						
Date of Original ILA			04/14/2016		Construction ILA Amount	
Date of Most Recent Supplement to ILA					\$2,830,880	
Description: The Pittman West Horizon Palm Hills project (PTWH 0032) is identified in the 2008 Clark County Regional Flood Control District Master Plan as a segment of the Pittman Burns System. Construction of this facility will provide a connection from the existing concrete channel above the Palm Hills development to existing reinforced concrete arch pipe at MPU Structure No. PTWH 0000, protecting existing						
Contract Manager: Scott Fiedler Phone Number: 702-267-3064			Construction Mgr: Lance Olson		Contractor: Target Construction	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$2,598,738	\$232,142	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	04/14/2016	05/11/2016	10/01/2016	01/15/2016		
Bid Amount	\$1,858,636					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Construction substantially complete. Contractor working on punch list items.						
Work to be Completed During Next Quarter: Complete construction.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Henderson			Date Prepared	08/28/2017
Project Title: Pittman North Detention Basin & Outfall				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	HEN16A01			
	Construction	HEN16D15	HEN16E15	HEN16F17	
Total ILA Amount (Design and Construction All Phases)				\$27,985,994	

DESIGN			Contract Number		HEN16A01	
Description: Design, right of way and environmental mitigation of the Pittman North Detention Basin and Outfall.						
Date of Original ILA			07/12/2001	Design ILA Amount		
Date of Most Recent Supplement to ILA			03/09/2017	\$1,974,074		
Contract Manager: Albert J. Jankowiak, P.E., CFM		Entity: City of Henderson		Consultant: VTN		
Phone Number: 702-267-3024						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$1,423,262	\$366,106	\$122,389	\$44,927	\$17,390
Percent Complete	100%	85%	100%	100%	0%	0%
Scheduled Completion		02/01/2015	11/01/2014	10/01/2014		10/01/2019
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Phase 3: RCC spillway alternative analysis complete, no proposed changes to the design of basin. Obtained NDOT encroachment permit for outfall adjacent to St Rose Pkwy and State Dam Safety Permit.						
Work to be Completed During Next Quarter: Request construction funding for Phase 3 at August Board. Advertise project.						

CONSTRUCTION			Contract Number		HEN16D15
Project Name: Pittman North Detention Basin and Outfall, Phase 1					
Date of Original ILA			01/08/2015	Construction ILA Amount	
Date of Most Recent Supplement to ILA			01/14/2016	\$4,342,105	
Description: Construction of the Pittman North Detention Basin Inflow channel and culvert.					
Contract Manager: Albert J Jankowiak, P.E., CFM		Construction Mgr: Brian Hafen		Contractor: Las Vegas Paving	
Phone Number: 702-267-3024					
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$3,818,100	\$524,005	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	01/08/2015	10/27/2015	12/01/2015	03/31/2017	
Bid Amount	\$3,450,139				
Delay or Problem Areas/Resolution: None.					
Work Completed During Current Quarter: Construction of project is complete.					
Work to be Completed During Next Quarter: Pay final invoices. Start close-out process.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Henderson			Date Prepared	08/28/2017
Project Title: Pittman North Detention Basin & Outfall				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	HEN16A01			
	Construction	HEN16D15	HEN16E15	HEN16F17	
Total ILA Amount (Design and Construction All Phases)				\$27,985,994	

CONSTRUCTION			Contract Number		HEN16E15
Project Name: Pittman North DB & Outfall, Phase II - Starr Avenue					
Date of Original ILA			10/08/2015	Construction ILA Amount	
Date of Most Recent Supplement to ILA			09/08/2016	\$2,000,321	
Description: Construction contract for the reinforced concrete box culverts that are part of the Pittman North Detention Basin Outfall north of St Rose Parkway. These culverts are being installed separately from the other outfall components so that they can be constructed with the Starr Ave improvement project.					
Contract Manager: Scott Fiedler Phone Number: 702-267-3064		Construction Mgr: Lance Olson		Contractor: Las Vegas Paving	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$1,852,096	\$148,225	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	10/08/2015	07/20/2016	02/15/2017	09/30/2017	
Bid Amount	\$6,299,539				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Continue construction activities.					
Work to be Completed During Next Quarter: Continue construction activities.					

CONSTRUCTION			Contract Number		HEN16F17
Project Name: Pittman North Detention Basin & Outfall, Phase III					
Date of Original ILA			07/13/2017	Construction ILA Amount	
Date of Most Recent Supplement to ILA				\$19,669,494	
Description:					
Contract Manager: TBD Phone Number:		Construction Mgr: TBD		Contractor: TBD	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$18,669,494	\$1,000,000	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	07/13/2017				
Bid Amount	\$0				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: N/A					
Work to be Completed During Next Quarter: Bid and award project.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Henderson			Date Prepared	08/28/2017
Project Title: Anthem Pkwy Channel, Horizon Ridge to Sienna Heights				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	HEN22A09			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$179,474	

DESIGN			Contract Number		HEN22A09	
Description: Design of the drainage facility that connects to the existing Reinforced Box Culverts under Horizon Ridge Parkway and the existing channel at Sienna Heights.						
Date of Original ILA			07/09/2009	Design ILA Amount	\$179,474	
Date of Most Recent Supplement to ILA			12/11/2014			
Contract Manager:		Entity: City of Henderson		Consultant:		
Phone Number:						
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$169,474	\$10,000	\$0	\$0	\$0
Percent Complete	0%	60%	50%	0%	0%	0%
Scheduled Completion		12/31/2016	12/31/2016			12/31/2018
Delay or Problem Areas/Resolution: City design staff working with Parks and Recreation staff on potential combining of projects. Parks and Recreation staff is working to identify funding sources for park improvements.						
Work Completed During Current Quarter: None.						
Work to be Completed During Next Quarter: MPA is being rolled into 2018 LVV MPU						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Henderson		Date Prepared	08/28/2017	
Project Title: Center Street Storm Drain			Review Period From	05/01/2017	
			Review Period To	07/31/2017	
Contract Numbers	Design	HEN23A09			
	Construction	HEN23B16	HLD06A15		
Total ILA Amount (Design and Construction All Phases)			\$11,192,025		

DESIGN			Contract Number		HEN23A09	
Description: Design of drainage facility and appurtenant local facilities within the Center Street alignment that extends from Fir Street to Lake Mead Parkway. The 2008 Master Plan project ID Nos. are C1CT0000, C1CT0021, C1CT0036, and C1CT0048.						
Date of Original ILA			08/13/2009	Design ILA Amount	\$534,755	
Date of Most Recent Supplement to ILA			04/13/2017			
Contract Manager: Scott Fiedler Phone Number: 702 267 3064		Entity: City of Henderson		Consultant: GCW		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$499,355	\$21,530	\$13,870	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		04/01/2016	04/01/2016	04/01/2016		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Started construction.						
Work to be Completed During Next Quarter: Continue construction activities.						

CONSTRUCTION			Contract Number		HEN23B16
Project Name: Center Street Storm Drain					
Date of Original ILA			03/10/2016	Construction ILA Amount	\$9,731,435
Date of Most Recent Supplement to ILA			04/13/2017		
Description: Construction of drainage facility and appurtenant local facilities within the Center Street alignment that extends from Fir Street to Lake Mead Parkway. The 2008 Master Plan project ID Nos. are C1CT0000, C1CT0021, C1CT0036, and C1CT0048.					
Contract Manager: Scott Fiedler Phone Number: 702-267-3064		Construction Mgr: Lance Olson		Contractor: TBD	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$8,915,326	\$816,109	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	03/10/2016	03/01/2017	06/30/2017	05/01/2018	
Bid Amount	\$13,165,000				
Delay or Problem Areas/Resolution: See HEN23A09.					
Work Completed During Current Quarter: See HEN23A09.					
Work to be Completed During Next Quarter: See HEN23A09.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Henderson			Date Prepared	08/28/2017
Project Title: Center Street Storm Drain				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	HEN23A09			
	Construction	HEN23B16	HLD06A15		
Total ILA Amount (Design and Construction All Phases)				\$11,192,025	

CONSTRUCTION			Contract Number	HLD06A15
Project Name: Appaloosa Storm Drain				
Date of Original ILA		07/09/2015	Construction ILA Amount	\$925,834
Date of Most Recent Supplement to ILA		04/13/2017		
Description: The project includes 6 drop inlets and approximately 2,000 lineal feet of 42 to 60-inch back-bone storm drain in Appaloosa Road from Rawhide Drive to Wagonwheel Drive, tying into the recently completed Equestrian Tributary Phase II project.				
Contract Manager: Scott Fiedler Phone Number: 702-267-3064		Construction Mgr: TBD		Contractor: LVP
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other
	\$925,834	\$0	\$0	\$0
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End
	07/09/2015	03/01/2017	06/30/2017	02/01/2017
Bid Amount	\$0			
Delay or Problem Areas/Resolution:				
Work Completed During Current Quarter: Bid and awarded the project.				
Work to be Completed During Next Quarter: Begin construction.				

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Henderson			Date Prepared	08/28/2017
Project Title: Duck Creek, Sunset to Sandhill				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	HEN24A11			
	Construction	HEN24B13			
Total ILA Amount (Design and Construction All Phases)				\$4,066,576	

DESIGN			Contract Number			HEN24A11
Description: The Duck Creek, Sunset to Sandhill project (DCWA 0648, 0656, and 0670) is identified in the 2008 Clark County Regional Flood Control District Master Plan Update as a segment of the Lower Duck Creek System.						
Date of Original ILA			07/14/2011		Design ILA Amount	
Date of Most Recent Supplement to ILA			02/11/2016		\$590,746	
Contract Manager: Albert J. Jankowiak, P.E., CFM Phone Number: 702-267-3024			Entity: City of Henderson		Consultant: Atkins	
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$324,421	\$161,839	\$39,006	\$54,206	\$11,274
Percent Complete	0%	100%	100%	100%	100%	0%
Scheduled Completion		01/31/2014	01/31/2014	05/10/2013	03/15/2017	09/01/2016
Delay or Problem Areas/Resolution: None						
Work Completed During Current Quarter: Received LOMR from FEMA on March 2, 2017. The Effective date is July 17, 2017. See HEN24B13.						
Work to be Completed During Next Quarter: City to pay final invoices and start close-out process. See HEN24B13						

CONSTRUCTION			Contract Number			HEN24B13
Project Name: Duck Creek, Sunset to Sandhill						
Date of Original ILA			11/14/2013		Construction ILA Amount	
Date of Most Recent Supplement to ILA			08/11/2016		\$3,475,830	
Description: Approximately 2600 LF of trapezoidal concrete channel.						
Contract Manager: Albert J Jankowiak Phone Number: 702-267-3024			Construction Mgr: Lance Olson		Contractor: Eagle View Contractors	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$3,345,477	\$130,353	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	11/14/2013	08/20/2014	12/04/2014	09/01/2015		
Bid Amount	\$3,503,421					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Application for LOMR submitted.						
Work to be Completed During Next Quarter: Address FEMA comments as necessary.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas		Date Prepared	08/28/2017
Project Title:	Freeway Channel-Washington, MLK to Rancho Drive		Review Period From	05/01/2017
			Review Period To	07/31/2017
Contract Numbers	Design	LAS14C11		
	Construction	LAS14D14		
Total ILA Amount (Design and Construction All Phases)			\$12,403,853	

DESIGN			Contract Number		LAS14C11	
Description: Design proposed 8' x 6' RCB storm drain improvements with associated collection facilities in Washington Avenue and Tonopah Lane between Martin Luther King Boulevard and Rancho Drive.						
Date of Original ILA			07/14/2011	Design ILA Amount	\$998,510	
Date of Most Recent Supplement to ILA			05/21/2015			
Contract Manager:		Entity: City of Las Vegas		Consultant:		
Phone Number:						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$988,510	\$5,000	\$5,000	\$0	\$0
Percent Complete	0%	100%	0%	0%	0%	0%
Scheduled Completion		06/22/2016	02/15/2013	02/15/2013		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Design complete. Received additional funding from CCRFCD Board in August 2015. Bid opening was November 17, 2016. NTP issued June 19, 2017.						
Work to be Completed During Next Quarter: Design complete.						

CONSTRUCTION			Contract Number		LAS14D14
Project Name: Freeway Channel-Washington, MLK to Rancho Drive					
Date of Original ILA			02/13/2014	Construction ILA Amount	\$11,405,343
Date of Most Recent Supplement to ILA			02/09/2017		
Description: Construction of proposed 8' x 6' RCB storm drain improvements with associated collection facilities in Washington Avenue and Tonopah Lane between Martin Luther King Boulevard and Rancho Drive.					
Contract Manager: Randy McConnell, P.E.		Construction Mgr: HDR		Contractor: Tand Inc.	
Phone Number: 229-6790					
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$10,500,343	\$905,000	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	02/13/2014	11/17/2016	06/20/2017	06/20/2018	
Bid Amount	\$10,032,339				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Design complete. Re-Bid project to include additional Traffic Markings and pavement slurry. Bid opening was held November 17, 2016 with Tand the apparent low bidder at \$10,032,339. Material Notice to Proceed issued March 20, 2017. NTP issued June 19, 2017. Construction began June 19, 2017 with utility relocations. Contractor installed north Tonopah storm drain lateral to accommodate elementary school schedule.					
Work to be Completed During Next Quarter: Continue with utility relocations and begin RCB installation.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Rancho Road System - Elkhorn, Ft Apache to Grand Canyon				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS16L11			
	Construction	LAS16O13			
Total ILA Amount (Design and Construction All Phases)				\$2,758,400	

DESIGN			Contract Number		LAS16L11	
Description: Design for the proposed 7' x 6' RCB storm drain improvements with associated collection facilities within Elkhorn Road west of Fort Apache Road to Grand Canyon Drive.						
Date of Original ILA			07/14/2011	Design ILA Amount	\$400,000	
Date of Most Recent Supplement to ILA			06/11/2015			
Contract Manager: Randy McConnell Phone Number: 229-2186		Entity: City of Las Vegas		Consultant: SHG		
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$390,000	\$5,000	\$5,000	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		03/18/2014	11/06/2012	02/14/2013		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant completed plans. Bid opening was held April 29, 2015. Material NTP issued 7/30/2015.						
Work to be Completed During Next Quarter: Design complete.						

CONSTRUCTION			Contract Number		LAS16O13
Project Name: Rancho Rd System-Elkhorn, Fort Apache to Grand Canyon					
Date of Original ILA			12/12/2013	Construction ILA Amount	\$2,358,400
Date of Most Recent Supplement to ILA			08/10/2017		
Description: Construction of the proposed 7' x 6' RCB storm drain improvements with associated collection facilities within Elkhorn Road west of Fort Apache Road to Grand Canyon Drive.					
Contract Manager: Randy McConnell, P.E. Phone Number: 229-2186		Construction Mgr: Atkins		Contractor: Tand	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$2,174,100	\$184,300	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	12/12/2013	04/29/2015	09/15/2015	02/26/2016	
Bid Amount	\$0				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Contractor has completed the project construction. Project walk through was held March 8, 2016. Contractor completed punch list items. City to continue the Close Out process.					
Work to be Completed During Next Quarter: Complete the Close Out process.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Rancho Road System - Elkhorn, Grand Canyon to Hualapai				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS16P15			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$269,752	

DESIGN			Contract Number		LAS16P15	
Description: Design of RCHB0295 that includes a 7'x6' RCB and associated collection facilities within Elkhorn Road.						
Date of Original ILA			07/09/2015	Design ILA Amount		
Date of Most Recent Supplement to ILA			10/13/2016	\$269,752		
Contract Manager: Lorrie Dunford		Entity: City of Las Vegas		Consultant: Startec		
Phone Number: 229-6734						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$265,752	\$2,000	\$2,000	\$0	\$0
Percent Complete	0%	30%	30%	30%	0%	0%
Scheduled Completion		11/21/2017	10/01/2017	10/01/2017		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant held kick-off meeting and began design toward 30% submittal. 30% submittal under review.						
Work to be Completed During Next Quarter: Continue the design process toward the 70% submittal.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title:	Brent Drainage System-Floyd Lamb Park to Durango Drive			Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS22S13			
	Construction	LAS22T15			
Total ILA Amount (Design and Construction All Phases)				\$5,434,065	

DESIGN			Contract Number		LAS22S13	
Description: Design the proposed 8' x 6' RCB storm drain facility with associated collection facilities from Durango Drive east to the existing detention basin.						
Date of Original ILA			07/11/2013	Design ILA Amount	\$533,365	
Date of Most Recent Supplement to ILA			12/12/2013			
Contract Manager:		Entity: City of Las Vegas		Consultant:		
Phone Number:						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$530,365	\$2,000	\$1,000	\$0	\$0
Percent Complete	0%	100%	100%	0%	0%	0%
Scheduled Completion		09/15/2016	07/15/2014			
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: City and RFCD reviewed the 99% submittal for consultant to continue progressing toward the next design submittal. Design 100% complete. Bid scheduled for December 8, 2016.						
Work to be Completed During Next Quarter: Design Complete						

CONSTRUCTION			Contract Number		LAS22T15
Project Name: Brent Drainage System - Floyd Lamb Park to Durango Drive					
Date of Original ILA			08/13/2015	Construction ILA Amount	\$4,900,700
Date of Most Recent Supplement to ILA			02/09/2017		
Description: Construction of 8' x 6' RCB storm drain system with open trapezoidal channel from Durango Drive east into the existing Detention Basin. includes associated collection facilities.					
Contract Manager: Dennis Moyer		Construction Mgr: CLV		Contractor: Meadow Valley	
Phone Number: 229-6018					
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$4,600,000	\$300,700	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	08/13/2015	12/19/2016	06/26/2017	11/22/2017	
Bid Amount	\$4,397,113				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Bid opening was held December 19, 2016. The apparent low responsive bidder is Meadow Valley at \$4,393,232. Additional funds requested for the February Board. Once award of bid complete, will schedule start of construction, estimated in June 2017. NTP issued 6/26/2017. Construction began with channel and utility work.					
Work to be Completed During Next Quarter: Construction to continue with channel, utility and RCB installation.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Centennial Pkwy Channel West-CC 215, Pioneer Way to US95				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS23E13			
	Construction	LAS23F14			
Total ILA Amount (Design and Construction All Phases)				\$14,970,687	

DESIGN			Contract Number		LAS23E13	
Description: Design the proposed 22' x 7' and dual 15' x 7' RCBs storm drain system and associated collection system within the future CC215 and US95 interchange limits.						
Date of Original ILA			07/11/2013	Design ILA Amount	\$1,070,687	
Date of Most Recent Supplement to ILA			11/13/2014			
Contract Manager: Randy McConnell Phone Number: 229-2186		Entity: City of Las Vegas		Consultant: GCW		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$1,063,687	\$5,000	\$2,000	\$0	\$0
Percent Complete	0%	100%	0%	0%	0%	0%
Scheduled Completion		01/15/2015				
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant has completed the design process. Combined NDOT and CCRFCD project had bid opening on April 9, 2015 with Las Vegas Paving the apparent low bidder. Began construction in the October 2015.						
Work to be Completed During Next Quarter: Design complete.						

CONSTRUCTION			Contract Number		LAS23F14
Project Name: Centennial Parkway Channel West-CC215, Pioneer Way to US95					
Date of Original ILA			11/13/2014	Construction ILA Amount	\$13,900,000
Date of Most Recent Supplement to ILA			09/10/2015		
Description: Construct the proposed 22' x 7' and dual 15' x 7' RCBs storm drain system and associated collection system within the future CC215 and US95 interchange limits.					
Contract Manager: Randy McConnell, P.E. Phone Number: 229 - 2186		Construction Mgr: NDOT		Contractor: Las Vegas Paving	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$12,800,000	\$1,100,000	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	11/13/2014	04/09/2015	10/12/2015	07/09/2017	
Bid Amount	\$0				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Consultant has completed the design process. Bid opening by NDOT on April 9, 2015 with Las Vegas Paving the apparent low bidder. Began construction in October 2015. Contractor started working on utility and Kern River Gas protection and installed RCB's past Kern River Gas line. Main line RCB is about 100% complete. Interchange complete 7/9/2017.					
Work to be Completed During Next Quarter: Continue with Interchange improvements. RCB is complete, minor work on associated facilities. Begin project close out.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas		Date Prepared	08/28/2017	
Project Title: Centennial Parkway Channel West-US95, CC215 to Durango			Review Period From	05/01/2017	
			Review Period To	07/31/2017	
Contract Numbers	Design	LAS23G15			
	Construction	LAS23I17			
Total ILA Amount (Design and Construction All Phases)			\$29,974,834		

DESIGN			Contract Number		LAS23G15	
Description: Design of CNWE0325 and CN950000 thru 0068 including triple 8'x6' and 22'x7' RCB's with associated collection facilities.						
Date of Original ILA			07/09/2015	Design ILA Amount	\$1,261,471	
Date of Most Recent Supplement to ILA						
Contract Manager: Randy McConnell Phone Number: 229-2186		Entity: City of Las Vegas		Consultant: CH2MHill		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$1,253,471	\$4,000	\$4,000	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		06/22/2017	01/27/2017	01/27/2017		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant working on project design. Began the design process and looking at fast tracking crossings at the Durango Interchange to facilitate US-95 construction by NDOT. Submitted 100% submittal. Design completed and is being included in NDOT Bid package.						
Work to be Completed During Next Quarter: Continue the design process toward the 100% submittal.						

CONSTRUCTION			Contract Number		LAS23I17
Project Name: Cent Pkwy Chnl West-US95, CC215 to Grand Teton, Kyle Cyn					
Date of Original ILA			03/09/2017	Construction ILA Amount	\$28,713,363
Date of Most Recent Supplement to ILA			05/18/2017		
Description: Construction of CN950000 thru 0167 that includes dual 10'x6' and tripple 8'x6' RCB's and the associated collection facilities. Construction also includes MOSM0064 that includes the MPU crossing at the Kyle Canyon Interchange.					
Contract Manager: Randy McConnell Phone Number: 702-229-2186		Construction Mgr: TBD		Contractor: TBD	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$26,903,054	\$1,810,309	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	03/09/2017	08/29/2017	11/28/2017		
Bid Amount	\$0				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Facility design is at 100% level with final plans incorporated into NDOT US-95 Bid package improvements. Design completed.					
Work to be Completed During Next Quarter: Begin construction with NDOT Bid award.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Centennial Parkway Channel West-US95, Durango to Grand Teton				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS23H15			
	Construction	LAS23I17			
Total ILA Amount (Design and Construction All Phases)				\$29,698,594	

DESIGN			Contract Number		LAS23H15	
Description: Design of CN950102 thru 0167 that includes dual 10'x6' and tripple 8'x6' RCB's and the associated collection facilities.						
Date of Original ILA			07/09/2015	Design ILA Amount	\$985,231	
Date of Most Recent Supplement to ILA			06/09/2016			
Contract Manager: Randy McConnell		Entity: City of Las Vegas		Consultant: LBG		
Phone Number: 229-2186						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$981,231	\$2,000	\$2,000	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		06/22/2017	01/27/2017	01/27/2017		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant has submitted 100% submittal. Design completed and is being included in NDOT Bid package.						
Work to be Completed During Next Quarter: Design complete.						

CONSTRUCTION			Contract Number		LAS23I17
Project Name: Cent Pkwy Chnl West-US95, CC215 to Grand Teton, Kyle Cyn					
Date of Original ILA			03/09/2017	Construction ILA Amount	\$28,713,363
Date of Most Recent Supplement to ILA			05/18/2017		
Description: Construction of CN950000 thru 0167 that includes dual 10'x6' and tripple 8'x6' RCB's and the associated collection facilities. Construction also includes MOSM0064 that includes the MPU crossing at the Kyle Canyon Interchange.					
Contract Manager: Randy McConnell		Construction Mgr: TBD		Contractor: TBD	
Phone Number: 702-229-2186					
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$26,903,054	\$1,810,309	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	03/09/2017	08/29/2017	11/28/2017		
Bid Amount	\$0				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Facility design is at 100% level with final plans incorporated into NDOT US-95 Bid package improvements. Design completed.					
Work to be Completed During Next Quarter: Begin construction with NDOT Bid award.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Gowan North-Buffalo Branch,Lone Mtn to Washburn Rd				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS24H13			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$992,000	

DESIGN			Contract Number		LAS24H13	
Description: Design the proposed 8' x 6' RCB storm drain system and associated collection system within Lone Mountain between Buffalo Drive and Cimarron Road and Conough Lane between Lone Mountain and Washburn.						
Date of Original ILA			07/11/2013	Design ILA Amount	\$992,000	
Date of Most Recent Supplement to ILA			07/14/2016			
Contract Manager: Anita Marquez Phone Number: 229-6264		Entity: City of Las Vegas		Consultant: PB-WSP		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$960,000	\$2,000	\$30,000	\$0	\$0
Percent Complete	0%	97%	100%	100%	0%	0%
Scheduled Completion		09/15/2017	10/17/2016	05/15/2017		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant continued the design process and provided the 90% submittal. Constructability review completed and addressed. Project is being advanced prior to County Lone Mountain project.						
Work to be Completed During Next Quarter: Consultant to continue the design process toward 100% submittal package to the City, CCPW and CCRFCD. Submit 100% plans.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Gowan Box Canyon - Lone Mountain Road				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS24I15			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$704,000	

DESIGN			Contract Number			LAS24I15
Description: Design of GOBX facilities and associated collection system.						
Date of Original ILA			07/09/2015	Design ILA Amount		\$704,000
Date of Most Recent Supplement to ILA			01/14/2016			
Contract Manager: Mike Sturdivant		Entity: City of Las Vegas			Consultant: Stanley	
Phone Number:						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$700,000	\$2,000	\$2,000	\$0	\$0
Percent Complete	0%	30%	0%	0%	0%	0%
Scheduled Completion		06/15/2018	02/15/2018	02/15/2018		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant began the design process. Submittal of updated 30% plans due in October 2017.						
Work to be Completed During Next Quarter: Continue the design process after 30% submittal and City and CCRFCD review. Work toward the 70% submittal.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Gowan North - El Capitan Branch, Lone Mountain to Ann Road				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS24J15			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$785,478	

DESIGN			Contract Number		LAS24J15	
Description: Design of GOEC0000 thru 0076 that includes 10'x7' and 10'x8' RCB's and associated collection facilities in El Capitan between Lone Mountain and Ann.						
Date of Original ILA			07/09/2015	Design ILA Amount	\$785,478	
Date of Most Recent Supplement to ILA			07/14/2016			
Contract Manager: Dennis Moyer Phone Number: 702-229-6018		Entity: City of Las Vegas		Consultant: GCW		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$781,478	\$2,000	\$2,000	\$0	\$0
Percent Complete	0%	70%	100%	60%	0%	0%
Scheduled Completion		08/31/2017	09/29/2016	09/15/2017		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant began the design process. Submitted the 30% plans in October 2016. 70% submittal was in February 2017.						
Work to be Completed During Next Quarter: Continue the design process and work toward 90% submittal incorporating the City and CCRFCD comments.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Gowan North-El Capitan Branch, Ann Rd to Centennial Pkwy				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS24L17			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$0	

DESIGN			Contract Number		LAS24L17	
Description: Design of the proposed 10'x7' to 8'x6' RCB with associated collection facilities within El Capitan from Ann Rd to Centennial Parkway.						
Date of Original ILA			08/10/2017	Design ILA Amount	\$0	
Date of Most Recent Supplement to ILA						
Contract Manager:		Entity: City of Las Vegas		Consultant:		
Phone Number:						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$0	\$0	\$0	\$0	\$0
Percent Complete	0%	0%	0%	0%	0%	0%
Scheduled Completion						
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Begin consultant selection and project scope after RFCD approval.						
Work to be Completed During Next Quarter: Begin design process toward 30% submittal.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Cedar Avenue Channel Improvements				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS25B13			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$831,489	

DESIGN			Contract Number		LAS25B13	
Description: Design the proposed 10'x 9' and 8' x 7' RCB storm drain system facilities with associated collection facilities within Pecos Ave. and Stewart Ave.						
Date of Original ILA			07/11/2013	Design ILA Amount	\$831,489	
Date of Most Recent Supplement to ILA			12/12/2013			
Contract Manager: Anita Marquez Phone Number: 702-229-6264		Entity: City of Las Vegas		Consultant: Atkins		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$827,489	\$2,000	\$2,000	\$0	\$0
Percent Complete	0%	70%	0%	0%	0%	0%
Scheduled Completion		08/12/2017	05/10/2017	05/10/2017		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant has started the design process and has submitted the 70% pre-design report and the overall system is on hold pending completion of the downstream facility.						
Work to be Completed During Next Quarter: Consultant on hold pending completion of the downstream facility.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Flamingo-Boulder HWY N-Boulder HWY Sahara to Charleston				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS29B15			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$1,226,003	

DESIGN			Contract Number		LAS29B15	
Description: Design the proposed 15' x 10' RCB storm drain system with associated collection system within Boulder Hwy. between Sahara Ave. and Charleston Blvd.						
Date of Original ILA			12/10/2015	Design ILA Amount	\$1,226,003	
Date of Most Recent Supplement to ILA						
Contract Manager: Anita Marquez Phone Number: 229-6264		Entity: City of Las Vegas		Consultant: Atkins		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$1,218,003	\$4,000	\$4,000	\$0	\$0
Percent Complete	0%	70%	100%	100%	0%	0%
Scheduled Completion		10/15/2017	07/15/2017	07/15/2017		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant began the design process. Submittal of 70% plans was in May 2017.						
Work to be Completed During Next Quarter: Continue the design process and work toward the 90% submittal.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Flamingo-Bldr Hwy, N Charleston-Maryland Pkwy System				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS29C16			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$1,215,549	

DESIGN			Contract Number		LAS29C16	
Description: Design of the Flamingo-Bldr Hwy, N Charleston-Maryland Pkwy System to include RCB's of various sizes (dual 10'x8' to 10'x8') and associated collection facilities.						
Date of Original ILA			09/08/2016	Design ILA Amount	\$1,215,549	
Date of Most Recent Supplement to ILA						
Contract Manager: Anita Marquez		Entity: City of Las Vegas		Consultant: Atkins		
Phone Number: 702-229-6264						
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$1,205,549	\$5,000	\$5,000	\$0	\$0
Percent Complete	0%	0%	0%	0%	0%	0%
Scheduled Completion						
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: City and consultant working on project scope. Began the design process working toward the 30% submittal.						
Work to be Completed During Next Quarter: Continue the design process toward the 30% submittal. City and RFCD to review submittal.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Gowan-Alexander Rd., Rancho Drive to Decatur Boulevard				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAS30A13			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$711,938	

DESIGN			Contract Number		LAS30A13	
Description: Design the proposed 10' x 9' RCB storm drain system facilities with associated collection system within Alexander Road between Rancho Drive and Decatur Boulevard.						
Date of Original ILA			07/11/2013	Design ILA Amount	\$711,938	
Date of Most Recent Supplement to ILA						
Contract Manager: Oh-Sang Kwon Phone Number: 229-1815		Entity: City of Las Vegas		Consultant: Stanley		
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$706,938	\$2,000	\$3,000	\$0	\$0
Percent Complete	0%	70%	0%	0%	0%	0%
Scheduled Completion		06/10/2015				
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Consultant continuing with the design process. 70% submitted for City and RFCD review. Design put on hold at the 70% level.						
Work to be Completed During Next Quarter: Design on hold pending construction of downstream facilities. Consultant to resume the design process toward the next design submittal after project schedule is reopened.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Las Vegas			Date Prepared	08/28/2017
Project Title: Buckskin Avenue Storm Drain				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LLD10B13			
	Construction	LLD10B13			
Total ILA Amount (Design and Construction All Phases)				\$1,200,000	

DESIGN				Contract Number		LLD10B13
Description: Buckskin Avenue Storm Drain - Local drainage project to alleviate flooding. Construction to include approximately 1,500 feet of 42-inch storm drain with associated collection inlets within an older historic neighborhood.						
Date of Original ILA				07/11/2013	Design ILA Amount	
Date of Most Recent Supplement to ILA				12/08/2016	\$0	
Contract Manager:		Entity: City of Las Vegas		Consultant:		
Phone Number:						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$0	\$0	\$0	\$0	\$0
Percent Complete	0%	89%	0%	0%	0%	0%
Scheduled Completion						
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Working on system design. 90% submitted for review. Design incorporated pothole data and utility conflicts as the design moved forward. Prepared system hydraulic calcs. Submitted request for additional funding to RFCD for December Board action. Continue the design process based upon 90% review comments and complete the design process to allow for bidding package.						
Work to be Completed During Next Quarter: Bid process schedule has bid opening mid September 2017.						

CONSTRUCTION				Contract Number		LLD10B13
Project Name: Buckskin Avenue Storm Drain						
Date of Original ILA				07/11/2013	Construction ILA Amount	
Date of Most Recent Supplement to ILA				12/08/2016	\$1,200,000	
Description: Buckskin Avenue Storm Drain - Local drainage project to alleviate flooding. Construction to include approximately 1,500 feet of 42-inch storm drain with associated collection inlets within an older historic neighborhood.						
Contract Manager: Oh-Sang Kwon		Construction Mgr: Not yet selected		Contractor: Not yet selected		
Phone Number: 229-1815						
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$1,200,000	\$0	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	07/11/2013	09/14/2017	11/16/2017	06/19/2018		
Bid Amount	\$0					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Working on system design. 90% submitted for review. Design incorporated pothole data and utility conflicts as the design moved forward. Prepared system hydraulic calcs. Submitted request for additional funding to RFCD for December Board action. Continue the design process based upon 90% review comments and complete the design process to allow for bidding package.						
Work to be Completed During Next Quarter: Bid process schedule has bid opening mid September 2017.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of Mesquite			Date Prepared	08/28/2017
Project Title: Virgin River Flood Wall				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	MES04A15			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$517,000	

DESIGN			Contract Number		MES04A15	
Description: Virgin River Flood Wall consists of the design and construction of approximately 5,000 linear feet of floodwall / levee with below grade scour protection. The project approach will include pre-design, design and construction activities.						
Date of Original ILA				Design ILA Amount	\$517,000	
Date of Most Recent Supplement to ILA			07/14/2016			
Contract Manager: Travis Anderson		Entity: City of Mesquite		Consultant: Horrocks Engineers		
Phone Number: 702-346-5237						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$208,278	\$291,722	\$15,000	\$2,000	\$0	\$0
Percent Complete	100%	5%	0%	0%	0%	0%
Scheduled Completion	06/30/2017	12/30/2018				
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Horrocks Engineers completed the preliminary design and presented the preliminary design report to the City of Mesquite Council on Jun3 27, 2017. The City of Mesquite directed staff to proceed with Design plans for alternative 4. Horrocks is working on a full scope of services and cost estimate.						
Work to be Completed During Next Quarter: Horrocks Engineers working on a full scope of services and cost estimate for the design plans. Horrocks is also coordinating meetings with BLM and State of Arizona Lands for easements. Horrocks will also begin the full design of the project.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Oak Island Drive Storm Drain				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLD14A15			
	Construction	NLD14A15			
Total ILA Amount (Design and Construction All Phases)					\$497,750

DESIGN				Contract Number		NLD14A15
Description: The Project alleviates flooding and removes existing residential residences from the current FEMA flood hazard area along Oak Island Drive. Construction includes removal of 1200' of existing 42" RCP and replaces it with 7'X4' RCB along with the associated drop inlets within Oak Island Drive.						
Date of Original ILA				07/09/2015	Design ILA Amount	
Date of Most Recent Supplement to ILA				06/09/2016	\$0	
Contract Manager:		Entity: City of North Las Vegas		Consultant:		
Phone Number:						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$0	\$0	\$0	\$0	\$0
Percent Complete	0%	0%	0%	0%	0%	0%
Scheduled Completion						
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: FEMA has reviewed the application but the project was not selected. Extended RFCDD ILA and re-submitted Pre-Disaster Mitigation (PDM) Program grant application for next selection process.						
Work to be Completed During Next Quarter: Continue working on FEMA Grant and submit.						

CONSTRUCTION				Contract Number		NLD14A15
Project Name: Oak Island Drive Storm Drain						
Date of Original ILA				07/09/2015	Construction ILA Amount	
Date of Most Recent Supplement to ILA				06/09/2016	\$497,750	
Description: The Project alleviates flooding and removes existing residential residences from the current FEMA flood hazard area along Oak Island Drive. Construction includes removal of 1200' of existing 42" RCP and replaces it with 7'X4' RCB along with the associated drop inlets within Oak Island Drive.						
Contract Manager: Dan Le, P.E.		Construction Mgr: TBD		Contractor: TBD		
Phone Number: 633-1932						
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$497,750	\$0	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	07/09/2015					
Bid Amount	\$0					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: FEMA has reviewed the application but the project was not selected. Extended RFCDD ILA and re-submitted Pre-Disaster Mitigation (PDM) Program grant application for next selection process.						
Work to be Completed During Next Quarter: Continue working on FEMA Grant and submit.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Ann Road Channel East, ULVW to Fifth Street				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV01G11			
	Construction	NLV01I14			
Total ILA Amount (Design and Construction All Phases)				\$6,901,656	

DESIGN			Contract Number			NLV01G11
Description: This Project will extend the RFC facility in Ann Rd. from Goldfield St. to Bruce St. The improvements also include installing an RFC facility along N. 5th Street bounded by Ann Rd. to the south and El Campo Grande Ave. to the north. These facilities constitute the major trunk line and 1/4 mile extensions allowed by RFCD to promote a cohesive and functioning system to alleviate the flooding currently experienced in the area.						
Date of Original ILA			08/11/2011		Design ILA Amount	
Date of Most Recent Supplement to ILA			03/12/2015		\$1,063,556	
Contract Manager: Dale Daffern		Entity: City of North Las Vegas		Consultant: CM Works		
Phone Number: 633-1325						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$650,000	\$10,000	\$378,556	\$25,000	\$0
Percent Complete	0%	100%	100%	100%	100%	0%
Scheduled Completion		03/01/2016	01/31/2012	02/28/2014	07/31/2017	
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Reviewed construction submittals, worked on design of additional drainage items. This project will be reported under NLV01I14 for the construction of this project.						
Work to be Completed During Next Quarter: The Consultant will answer design related questions and review all construction submittals for the remainder of the project while in the construction phase. This project will be reported under NLV01I14 for the construction of this project.						

CONSTRUCTION			Contract Number			NLV01I14
Project Name: Ann Road Channel East, ULVW to Fifth Street						
Date of Original ILA			03/13/2014		Construction ILA Amount	
Date of Most Recent Supplement to ILA			06/09/2016		\$5,838,100	
Description: Construction will extend the RFC facility in Ann Road from Goldfield Street to Bruce Street. The improvements include installation of a RFC facility along N. 5th Street bounded by Ann Road to the south and El Campo Grande Avenue to the north. These facilities constitute the major trunk line and 1/4 mile extensions allowed by RFCD to promote a cohesive and functioning system to alleviate the flooding currently experienced in the area.						
Contract Manager: CMWorks		Construction Mgr: Dale Daffern		Contractor: ACC Southwest		
Phone Number: 633-1325						
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$5,258,100	\$580,000	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	03/13/2014	04/19/2016	09/01/2016	07/31/2017		
Bid Amount	\$5,258,058					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Completed Ann Road and North 5th Street. asphalt concrete and striping.						
Work to be Completed During Next Quarter: Address some striping issues and sign issues to be completed by CNLV Traffic Operations.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Las Vegas Wash - "N" Channel, Cheyenne to Gowan				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV01H13			
	Construction	NLV01J15			
Total ILA Amount (Design and Construction All Phases)				\$3,475,990	

DESIGN			Contract Number		NLV01H13	
Description: This project consists of design for installing 12' X 5.5' concrete channel within the Las Vegas Wash "N" Channel from Cheyenne Avenue to Gowan Road.						
Date of Original ILA			10/10/2013	Design ILA Amount	\$317,990	
Date of Most Recent Supplement to ILA			06/09/2016			
Contract Manager: Cliff Moss Phone Number: 702-633-1904		Entity: City of North Las Vegas		Consultant: VTN		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$244,880	\$23,030	\$38,500	\$11,580	\$0
Percent Complete	100%	100%	100%	100%	100%	0%
Scheduled Completion		12/01/2015	07/01/2015	07/01/2015	12/31/2016	
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Punch list items are completed, as is the construction for the Project. Agenda Item drafted for filing of the Notice of Completion.						
Work to be Completed During Next Quarter: Anticipate CNLV City Council approving project close-out at the 8/16/17 meeting.						

CONSTRUCTION			Contract Number		NLV01J15
Project Name: Las Vegas Wash - "N" Channel, Cheyenne to Gowan					
Date of Original ILA			08/13/2015	Construction ILA Amount	\$3,158,000
Date of Most Recent Supplement to ILA			01/14/2016		
Description: This project consists of construction work involved with the installation of a 12' X 5.5' concrete channel within the Las Vegas Wash "N" Channel from Cheyenne Avenue to Gowan Road.					
Contract Manager: John Fitch Phone Number: 702-277-4691		Construction Mgr: John Fitch		Contractor: Pace	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$2,833,000	\$325,000	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	08/13/2015	11/10/2015	03/01/2016	01/05/2017	
Bid Amount	\$2,832,122				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: All punch list items complete except contractor needs to glue down the top row of the decorative rock retaining wall					
Work to be Completed During Next Quarter: Anticipate CNLV City Council approving final acceptance and authorize filing the Notice of Completion at the 8/16/17 meeting.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title:	Hollywood System, Dunes South DB to Centennial Parkway			Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV03E13			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$2,706,972	

DESIGN			Contract Number		NLV03E13	
Description: This work consists of installing reinforced concrete box structure within Hollywood Boulevard from Las Vegas Boulevard to Centennial Parkway, and an open channel system on Nellis Air Force Base to the future Dunes South Detention Basin site.						
Date of Original ILA			10/10/2013	Design ILA Amount	\$2,706,972	
Date of Most Recent Supplement to ILA			03/10/2016			
Contract Manager: Tom Brady Phone Number: 633-1227		Entity: City of North Las Vegas		Consultant: Louis Berger Group		
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$1,580,000	\$10,000	\$1,116,972	\$0	\$0
Percent Complete	0%	90%	30%	50%	0%	0%
Scheduled Completion		11/30/2017	06/30/2018	06/30/2018		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Environmental coordination with NAFB Program Managers was completed; however Nellis recommended that an EA be performed. Consultant completed 90% design and submitted for review. Negotiated design amendment with Louis Berger to separate the plans for Nellis AFB and to conduct the EA.						
Work to be Completed During Next Quarter: Anticipate amendment approval by Council in September. Consultant to separate the plan set into two bid packages. Construction funding to be requested for North of Las Vegas Boulevard. Consultant to commence with EA.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Range Wash - Ann Branch				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV03F17			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$1,081,889	

DESIGN			Contract Number		NLV03F17	
Description: Design of storm drain facilities along Tropical Parkway, Mount Hood, and Ann Road. Identified in the MPU as RWAN 0050, and RWAN 0000.						
Date of Original ILA			03/09/2017	Design ILA Amount		
Date of Most Recent Supplement to ILA				\$1,081,889		
Contract Manager: Allan Fajardo Phone Number: 633-2044		Entity: City of North Las Vegas		Consultant: Louis Berger Group		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$821,889	\$10,000	\$250,000	\$0	\$0
Percent Complete	0%	0%	0%	0%	0%	0%
Scheduled Completion						
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Scope and fee has been negotiated with the Louis Berger Group and awaiting legal counsel review. Interlocal contract approved by City Council. Executed an Agreement with Aerotech mapping Inc. to perform photogrammetric services.						
Work to be Completed During Next Quarter: Present the interlocal contract to the City Council for approval of Professional Services Agreement with Louis Berger Group. Complete the aerial boundary survey. Issue Notice-to-proceed to Commence with the preliminary Design to Louis Berger Group.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title:	Hollywood System, Centennial Pkwy-Speedway #2 DB			Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV03G17			
	Construction				
Total ILA Amount (Design and Construction All Phases)					\$897,470

DESIGN			Contract Number		NLV03G17	
Description: This project includes the design, right-of-way acquisition and environmental mitigation for the Hollywood System from Centennial Parkway to Speedway #2 Detention Basin identified in the 2013 Master Plan Update as Structures Nos. RWHW 0300, 0355, 0369, 0410 and 0412. The improvements include pipes, channels, dikes, energy dissipators, channel structures, channel access and other appurtenances as may be necessary to control floodwaters.						
Date of Original ILA			03/09/2017			
Date of Most Recent Supplement to ILA					Design ILA Amount \$897,470	
Contract Manager: Cliff Moss		Entity: City of North Las Vegas		Consultant: MWH		
Phone Number: 633-1904						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$380,345	\$10,000	\$507,125	\$0	\$0
Percent Complete	0%	0%	0%	0%	0%	0%
Scheduled Completion		06/30/2018	06/30/2018	06/30/2018		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: The interlocal contract for the project was approved by the North Las Vegas City Council. MWH was selected to be the design consultant and negotiation has commenced.						
Work to be Completed During Next Quarter: Finalize the scope of work and negotiate a Professional Services Agreement with the design consultant. Present the Professional Services Agreement to City Council for approval.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Simmons Street Drainage Improvements - Carey to Craig				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV04F07			
	Construction	NLV04H09	NLV04I11	NLV04J14	
Total ILA Amount (Design and Construction All Phases)				\$24,947,295	

DESIGN			Contract Number			NLV04F07
Description: This project includes the design, right-of-way, and environmental associated with the Simmons Street Drainage Improvements - Carey to Lone Mountain 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.						
Date of Original ILA			04/12/2007		Design ILA Amount	
Date of Most Recent Supplement to ILA			11/10/2016		\$2,323,263	
Contract Manager: Dale Daffern Phone Number: 633-1325		Entity: City of North Las Vegas		Consultant: VTN Nevada		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$1,033,263	\$0	\$1,240,000	\$0	\$50,000
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		08/26/2014	08/01/2007	10/01/2010	08/31/2013	
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Extended the CCRFCD Contract to December 31, 2017 with the 7th Supplemental ILC.						
Work to be Completed During Next Quarter: Shop drawing review to continue, as well as, coordination and clarifications as construction continues. The design contract will continue to stay open until the construction is completed in order for the consultant to review submittals.						

CONSTRUCTION			Contract Number			NLV04H09
Project Name: Simmons Street Drainage Improvements - Gowan Outfall						
Date of Original ILA			07/09/2009		Construction ILA Amount	
Date of Most Recent Supplement to ILA			02/13/2014		\$2,280,989	
Description: This work involves constructing a regional flood control system, Gowan Outfall, that bisects Simmons Street between Craig Road and Lone Mountain Road. In particular, the improvements will consist of removal and replacement of an existing reinforced concrete box culvert to a free span bridge, channel widening, new reinforced concrete box sweeps, street improvements, and all other appurtenances related to this type of work.						
Contract Manager: Dan Muirhead Phone Number: 702-633-2750		Construction Mgr: Dan Muirhead		Contractor: Wisner		
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$2,086,373	\$194,615	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	07/09/2009	05/12/2010	09/20/2010	09/01/2011		
Bid Amount	\$2,512,887					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Notice of Completion Finalized.						
Work to be Completed During Next Quarter: Project complete.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Simmons Street Drainage Improvements - Carey to Craig				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV04F07			
	Construction	NLV04H09	NLV04I11	NLV04J14	
Total ILA Amount (Design and Construction All Phases)				\$24,947,295	

CONSTRUCTION			Contract Number		NLV04I11
Project Name: Simmons Street - Phase II, Carey to Cheyenne					
Date of Original ILA			02/10/2011	Construction ILA	
Date of Most Recent Supplement to ILA			04/09/2015	Amount	
\$5,464,819					
Description: This project includes the construction of Simmons Street Improvement Project - Phase II, Carey to Cheyenne. The basic improvements consists of flood control facilities and minor roadway improvements.					
Contract Manager: Joemel Llamado		Construction Mgr: Joemel Llamado		Contractor: Western States	
Phone Number: 633-1230					
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$5,030,790	\$434,029	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	04/14/2011	09/21/2011	11/28/2011	04/30/2014	
Bid Amount	\$7,527,911				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Project is complete.					
Work to be Completed During Next Quarter: No further work is anticipated.					

CONSTRUCTION			Contract Number		NLV04J14
Project Name: Simmons Street Drainage Impvments-Alexander to Gowan Outfall					
Date of Original ILA			09/01/2014	Construction ILA	
Date of Most Recent Supplement to ILA			07/13/2017	Amount	
\$14,878,224					
Description: This project includes the construction and construction management associated with the Simmons Street Drainage Improvements project, Alexander Road to Gowan Outfall Channel. The basic improvements consist of construction of dual RCBs from Alexander to Craig and single 24'x6' RCB from Craig to Gowan Outfall (Red Coach Avenue) and other appurtenances as may be necessary to control floodwaters.					
Contract Manager: John Fitch		Construction Mgr: VTN Nevada		Contractor: Pace Contracting	
Phone Number: 277-4691					
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$13,543,617	\$1,334,607	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	02/13/2014	10/08/2014	01/26/2015	02/28/2016	
Bid Amount	\$14,879,584				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Private CMU wall complete. Notice of Completion and agenda draft to council completed.					
Work to be Completed During Next Quarter: Close funding project out.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Gowan Outfall, Alexander Rd - Decatur to Simmons Street				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV04K17			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$1,931,156	

DESIGN			Contract Number		NLV04K17	
Description: This interlocal contract applies to design and environmental mitigation of 8,515 total feet of various sized storm drain within Alexander Road between Decatur Boulevard and Simmons Street. Specifically, the system is comprised of 2,700 feet of twin 12 foot by 8 foot Reinforced Concrete Box (RCB) from Decatur Boulevard east, followed by 5,300 feet of twin 14 foot by 8 foot RCBs and completed with 515 feet of a single 16 foot by 8 foot RCB.						
Date of Original ILA			02/09/2017			
Date of Most Recent Supplement to ILA					Design ILA Amount	
					\$1,931,156	
Contract Manager: Robert Huggins		Entity: City of North Las Vegas		Consultant: CH2M		
Phone Number: 633-2003						
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$1,921,156	\$10,000	\$0	\$0	\$0
Percent Complete	0%	2%	0%	0%	0%	0%
Scheduled Completion						
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: CH2M Hill was selected as design consultant and their Professional Engineering Agreement was approved by CNLV City Council.						
Work to be Completed During Next Quarter: Conduct design kickoff meeting and start design of project.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Vandenberg North Detention Basin & Outfall				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV09E11			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$1,268,000	

DESIGN			Contract Number		NLV09E11	
Description: This project includes a 290 acre-foot detention basin and spillway located at Centennial and Pecos with associated collection channels extending east of the basin, 24" reinforced concrete outfall pipe in Pecos to Centennial and 8' X 7' reinforced concrete box culvert from approx. 700 feet north of Azure to Tropical.						
Date of Original ILA			04/14/2011	Design ILA Amount	\$1,268,000	
Date of Most Recent Supplement to ILA			08/10/2017			
Contract Manager: Tom Brady Phone Number: 633-1227		Entity: City of North Las Vegas		Consultant: Atkins North America		
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$133,000	\$1,100,000	\$5,000	\$30,000	\$0	\$0
Percent Complete	100%	65%	100%	80%	0%	0%
Scheduled Completion	11/12/2015	02/28/2018	07/31/2017	11/30/2017		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Continued work on 70% design & technical report this quarter. Section 8 analysis screening was completed, and submitted for review, and subsequently approved. Held design progress meeting on 7/13/17. Received BLM boring permit & performed borings & necessary potholing operations.						
Work to be Completed During Next Quarter: Work on final design to proceed for 70% plans anticipated to be completed and submitted for review and comment. Analysis of boring & pothole information anticipated to modify design based on results.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Beltway Detention Basin and Channel				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV09I13			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$1,034,000	

DESIGN			Contract Number			NLV09I13
Description: The current interlocal contract for \$642,817 funds preliminary design, right of way and environmental mitigation for the Beltway Detention Basin and Channel. The basic improvements shall consist of flood control facilities including pipes, culverts, channels, energy dissipators, channel structures, channel access, storm drain inlets and laterals, and other appurtenances as may be necessary to control flood waters and accommodate facility maintenance.						
Date of Original ILA			10/10/2013		Design ILA Amount	
Date of Most Recent Supplement to ILA			02/12/2015		\$1,034,000	
Contract Manager: Rob Huggins		Entity: City of North Las Vegas		Consultant: Atkins North America		
Phone Number: 633-2003						
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$924,000	\$10,000	\$100,000	\$0	\$0
Percent Complete	40%	30%	0%	10%	0%	0%
Scheduled Completion	10/15/2016	03/31/2018	03/31/2018	03/31/2018		
Delay or Problem Areas/Resolution: Design changes due to reclassification of soils. Also, design changes possible due to lengthening of channel RWRR0261. There is an access issue and indemnification from UPRR is needed. There has been a four-month delay.						
Work Completed During Current Quarter: 30% submittal received and is reviewed. Note \$11,900,000 construction estimate.						
Work to be Completed During Next Quarter: Work on delay issues and continue design of project.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Fifth Street Collector, Centennial Pkwy to Deer Springs Way				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV17C16			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$726,079	

DESIGN			Contract Number		NLV17C16	
Description: To design approximately 2,600 linear feet of storm drain within North 5th street between Centennial Parkway and Deer Springs Way.						
Date of Original ILA			11/10/2016	Design ILA Amount	\$726,079	
Date of Most Recent Supplement to ILA			04/13/2017			
Contract Manager:		Entity: City of North Las Vegas		Consultant:		
Phone Number:						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$456,991	\$10,000	\$259,088	\$0	\$0
Percent Complete	0%	5%	5%	5%	0%	0%
Scheduled Completion		07/10/2018	10/17/2017	06/30/2018		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: City Council approved the Professional Services Agreement with VTN Nevada. Issued Notice to Proceed for preliminary design services.						
Work to be Completed During Next Quarter: Anticipate holding progress meeting No. 1, kickoff geotechnical evaluation, and work towards 30% design submittals.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Colton Channel				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV18A07			
	Construction	NLV18G14			
Total ILA Amount (Design and Construction All Phases)				\$8,026,553	

DESIGN			Contract Number		NLV18A07	
Description: Entails design of flood control improvements extending along Colton Ave from N. 5th St. to the I-15 corridor. This facility will provide approx. 3,400 ft of conveyance, discharging into the I-15 flood control facilities. Culvert crossings shall be provided from N. 5th St. and Losee Rd. As part of the construction, roadway conditions will be evaluated and mitigated as necessary.						
Date of Original ILA			09/13/2007	Design ILA Amount		
Date of Most Recent Supplement to ILA			09/08/2016	\$1,214,634		
Contract Manager: Dan Le Phone Number: 633-1932		Entity: City of North Las Vegas		Consultant: MWH		
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$1,139,634	\$25,000	\$50,000	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		06/30/2014	04/30/2014			
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Design portion completed.						
Work to be Completed During Next Quarter: The construction portion of this project will be reported under NLV18G14. The submittal review, RFI, and the construction field design consultations will last throughout construction.						

CONSTRUCTION			Contract Number		NLV18G14
Project Name: Colton Avenue Flood Control Improvements					
Date of Original ILA			05/15/2014	Construction ILA Amount	
Date of Most Recent Supplement to ILA			07/13/2017	\$6,811,919	
Description: Construction of flood control improvements extending along Colton Avenue from N. 5th Street to the I-15 corridor. This facility will provide approx. 3,400 ft of conveyance, discharging into the I-15 flood control facilities. Culvert crossings shall be provided from N. 5th Street and Losee Road. Roadway conditions will be evaluated and mitigated as necessary.					
Contract Manager: Clint Fujii, P.E. Phone Number: 633-2679		Construction Mgr: Clint Fujii, P.E.		Contractor: LVP	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$6,460,435	\$351,484	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	05/15/2014	07/08/2014	02/23/2015	08/31/2016	
Bid Amount	\$7,000,908				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: All punch list items have been resolved. Las Vegas Paving submitted all required close-out documentation. Notice of Completion was drafted and approved by CNLV Council on 7/20/2016.					
Work to be Completed During Next Quarter: Record Notice of completion. Close out project accounting and Interlocal Contract.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas			Date Prepared	08/28/2017
Project Title: Brooks Channel				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	NLV18B07			
	Construction	NLV18H14			
Total ILA Amount (Design and Construction All Phases)				\$6,428,749	

DESIGN				Contract Number		NLV18B07
Description: This project includes the design, right-of-way, and environmental associated with Brooks Channel Project. The basic improvements will include box culverts, channel structures, and other appurtenances as required.						
Date of Original ILA				09/13/2007	Design ILA Amount	
Date of Most Recent Supplement to ILA				06/08/2017	\$677,749	
Contract Manager:		Entity: City of North Las Vegas		Consultant:		
Phone Number:						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$545,839	\$36,910	\$85,000	\$10,000	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion	03/04/2014	09/22/2014	06/30/2014	03/31/2014	06/30/2014	
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: The construction activities will be reported under NLV18H14.						
Work to be Completed During Next Quarter: MWH will continue support through the end of construction. The construction activities will be reported under NLV18H14. Extended funding contract pending closeout issues.						

CONSTRUCTION				Contract Number		NLV18H14
Project Name: Brooks Channel						
Date of Original ILA				09/11/2014	Construction ILA Amount	
Date of Most Recent Supplement to ILA				04/13/2017	\$5,751,000	
Description: Construction of flood control improvements that begin west of Losee Road east to the existing I-15 Central Freeway Channel. The improvements consist of RCB culverts, Steel pipes, rectangular channel, and other appurtenances as required.						
Contract Manager: Clint Fujii, P.E.		Construction Mgr: Clint Fujii, P.E.		Contractor: West Coast Contractors		
Phone Number: 274-4530						
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$5,165,000	\$586,000	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	09/11/2014	10/29/2014	05/03/2016	12/21/2016		
Bid Amount	\$4,239,353					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: CNLV retaining West Coast Contractors to resolve final billing issue with UPRR. Disputed amount is \$34,419.12 .						
Work to be Completed During Next Quarter: NOC approved by CNLV City Council on 12/21/2016. Close out funding contract, pending disputed amount of final retention.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	City of North Las Vegas		Date Prepared	08/28/2017	
Project Title: Central Freeway Channel At Cheyenne			Review Period From	05/01/2017	
			Review Period To	07/31/2017	
Contract Numbers	Design	NLV18F13			
	Construction	NLV18I16			
Total ILA Amount (Design and Construction All Phases)			\$12,072,549		

DESIGN			Contract Number		NLV18F13	
Description: Preliminary design and right of way (CMAR) associated with the Central Freeway Channel at Cheyenne project. The improvements shall include installation of box culverts under the Cheyenne Avenue Bridge abutment parallel to the Central Freeway Channel.						
Date of Original ILA			12/12/2013		Design ILA Amount	
Date of Most Recent Supplement to ILA			03/10/2016		\$772,549	
Contract Manager:		Entity: City of North Las Vegas		Consultant:		
Phone Number:						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$767,549	\$0	\$5,000	\$0	\$0
Percent Complete	30%	100%	0%	100%	0%	0%
Scheduled Completion		04/30/2017		04/30/2017		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: NDOT Occupancy Permit received and sent Construction Agreement to Council for approval.						
Work to be Completed During Next Quarter: The design is complete. Contract will stay open for construction support services.						

CONSTRUCTION			Contract Number		NLV18I16	
Project Name: Central Freeway Channel at Cheyenne						
Date of Original ILA			12/08/2016		Construction ILA Amount	
Date of Most Recent Supplement to ILA					\$11,300,000	
Description: The improvements shall include installation of 12' X 10' box culverts in southbound I-15 under the Cheyenne Avenue Bridge. The delivery method for this project is CMAR.						
Contract Manager: Clint Fujii		Construction Mgr: Clint Fujii		Contractor: ACC Southwest		
Phone Number: 633-2679						
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$10,690,000	\$610,000	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	12/08/2016	04/05/2017				
Bid Amount	\$9,289,667					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: About half of both the RCBs and downstream confluence structures are installed.						
Work to be Completed During Next Quarter: Continue RCB and downstream confluence structure installations.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County				Date Prepared	08/28/2017
Project Title: Flamingo Wash, McLeod Dr to Maryland PKWY				Review Period From	05/01/2017	
				Review Period To	07/31/2017	
Contract Numbers	Design	CLA04E99				
	Construction	CLA04I01	CLA04J03	CLA04R08	CLA04W16	
Total ILA Amount (Design and Construction All Phases)				\$18,414,613		

DESIGN				Contract Number		CLA04E99
Description: Fourth and final phase includes design of channel improvements for Flamingo Wash between Tioga and Eastern with a new bridge structure at Tioga.						
Date of Original ILA				08/12/1999	Design ILA Amount	\$2,980,000
Date of Most Recent Supplement to ILA				11/13/2014		
Contract Manager: Brooke Prescia		Entity: Clark County		Consultant: Louis Berger Group		
Phone Number: 702-455-2986						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$1,877,500	\$339,000	\$741,500	\$22,000	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion						
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Working on bid documents.						
Work to be Completed During Next Quarter: Advertise bid.						

CONSTRUCTION				Contract Number		CLA04I01
Project Name: Flamingo Wash, Spencer Street Bridge & Approach Channel						
Date of Original ILA				03/08/2001	Construction ILA Amount	\$2,436,744
Date of Most Recent Supplement to ILA				09/09/2004		
Description: Replace existing RCBs with a new bridge at Spencer and repair the street. Construct 800 feet of upstream concrete channel and 300 feet of downstream channel with energy dissipation discharging to a riprap channel that provides a transition to the existing grasslined channel on the golf course. Provide storm drain system at Katie and Spencer. CCPW bid 4906-01 w/Cyrstal Cascades						
Contract Manager: Kris Kolhoss		Construction Mgr: CCPW		Contractor: Crystal Cascades		
Phone Number: 455-6111						
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$2,245,931	\$166,808	\$24,004	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	06/13/2002	09/27/2001	11/15/2004	10/02/2002		
Bid Amount	\$2,299,777					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter:						
Work to be Completed During Next Quarter: CONSTRUCTION CONTRACT #CLA04I01 CLOSED 02/12/04.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County				Date Prepared	08/28/2017
Project Title: Flamingo Wash, McLeod Dr to Maryland PKWY					Review Period From	05/01/2017
					Review Period To	07/31/2017
Contract Numbers	Design	CLA04E99				
	Construction	CLA04I01	CLA04J03	CLA04R08	CLA04W16	
Total ILA Amount (Design and Construction All Phases)					\$18,414,613	

CONSTRUCTION			Contract Number		CLA04J03
Project Name: Flamingo Wash, Algonquin Dr to Maryland Parkway					
Date of Original ILA			10/10/2002	Construction ILA Amount	
Date of Most Recent Supplement to ILA			12/13/2007	\$3,708,620	
Description: Construct rectangular concrete lined channel from Algonquin to Maryland Parkway, and construct storm drain across the Boulevard Mall parking lot and through Algonquin. CCPW Project No. F990813; Bid No. 5567-04 w/Meadow Valley Contractors					
Contract Manager: Bruce Torrey Phone Number: 455-6046		Construction Mgr: CCPW		Contractor: Meadow Valley	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$3,573,638	\$134,982	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	09/11/2003	06/29/2004		10/25/2005	
Bid Amount	\$3,523,534				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter:					
Work to be Completed During Next Quarter: CONSTRUCTION CONTRACT #CLA04J03 CLOSED 12.13.07.					

CONSTRUCTION			Contract Number		CLA04R08
Project Name: Flamingo Wash, Desert Inn to Eastern Avenue					
Date of Original ILA			10/09/2008	Construction ILA Amount	
Date of Most Recent Supplement to ILA			10/10/2013	\$7,869,249	
Description: This project is a rectangular concrete channel improvement in Flamingo Wash, Desert Inn Road to Eastern Avenue. CCPW #FCLA04R (F990813) Bid 601462-09 with Southwest Iron Works, LLC Exp 06/13					
Contract Manager: Bruce Torrey Phone Number: 455-6046		Construction Mgr: HDR		Contractor: Southwest Iron	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$6,497,376	\$1,163,844	\$0	\$208,029	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	10/09/2008	06/09/2009	09/21/2009	12/15/2010	
Bid Amount	\$6,182,370				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter:					
Work to be Completed During Next Quarter: Construction complete. Contract closed.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County				Date Prepared	08/28/2017
Project Title: Flamingo Wash, McLeod Dr to Maryland PKWY				Review Period From	05/01/2017	
				Review Period To	07/31/2017	
Contract Numbers	Design	CLA04E99				
	Construction	CLA04I01	CLA04J03	CLA04R08	CLA04W16	
Total ILA Amount (Design and Construction All Phases)				\$18,414,613		

CONSTRUCTION			Contract Number	CLA04W16
Project Name: Flamingo Wash, Eastern Avenue				
Date of Original ILA		05/19/2016	Construction ILA Amount	\$1,420,000
Date of Most Recent Supplement to ILA				
Description: Project includes a 100-year Regional facility for Flamingo Wash under Eastern Avenue and a transition structure upstream of Eastern Avenue. The 100-year flow in Flamingo Wash is 5,781 cfs. Drop inlets on Eastern Avenue are also proposed. The project also includes minor waterline relocations and roadway reconstruction CCPW #FCLA04W ILC Exp 06/30/21				
Contract Manager: Mike Mamer Phone Number: 702-455-6081		Construction Mgr: TBD		Contractor: TBD
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other
	\$1,300,000	\$120,000	\$0	\$0
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End
	05/19/2016	10/15/2017	01/01/2018	
Bid Amount	\$0			
Delay or Problem Areas/Resolution: Design change for the culvert from 22'x8' to (2) 11'x8' RCBs, and also, coordination with property owners.				
Work Completed During Current Quarter:				
Work to be Completed During Next Quarter:				

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County			Date Prepared	08/28/2017
Project Title: Duck Creek at Dean Martin				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	CLA08Q13			
	Construction	CLA08W16			
Total ILA Amount (Design and Construction All Phases)				\$4,267,357	

DESIGN				Contract Number		CLA08Q13
Description: This project includes a triple barrel 14 ft x 6 ft reinforced concrete box culvert for Duck Creek Wash where it crosses Dean Martin Drive about 800 ft south of Cactus Avenue. CCPW #FCLA08Q						
Date of Original ILA				09/12/2013	Design ILA Amount	\$480,000
Date of Most Recent Supplement to ILA				05/18/2017		
Contract Manager: Spring Dineen Phone Number: 702-455-6074		Entity: Clark County		Consultant: The Louis Berger Group		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$254,000	\$15,500	\$210,500	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		10/01/2016	10/01/2016	10/01/2016		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter:						
Work to be Completed During Next Quarter: Construction support.						

CONSTRUCTION				Contract Number		CLA08W16
Project Name: Duck Creek at Dean Martin						
Date of Original ILA				10/13/2016	Construction ILA Amount	\$3,787,357
Date of Most Recent Supplement to ILA						
Description: This project includes a triple barrel 14 ft x 6 ft reinforced concrete box culvert for Duck Creek Wash where it crosses Dean Martin Drive about 800 ft south of Cactus Avenue. CCPW #FCLA08W id 866 B604331-17						
Contract Manager: Blair Lecker Phone Number: 702-455-6331		Construction Mgr: CCPW		Contractor: Target Construction Company		
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$3,472,857	\$314,500	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	10/13/2016	03/20/2017	08/21/2017			
Bid Amount	\$3,087,867					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Awarded bid						
Work to be Completed During Next Quarter: Begin construction						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County			Date Prepared	08/28/2017
Project Title: Duck Creek, Las Vegas Boulevard				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	CLA08R13			
	Construction	CLA08T14			
Total ILA Amount (Design and Construction All Phases)				\$7,885,000	

DESIGN			Contract Number		CLA08R13	
Description: This project consists of reinforced concrete box culvert ranging in size from 10' x 8' to 16' x 7' in Las Vegas Boulevard extending from Starr Avenue to St Rose Pkwy. CCPW #FCLA08R						
Date of Original ILA			09/12/2013	Design ILA Amount	\$485,000	
Date of Most Recent Supplement to ILA						
Contract Manager: Spring Dineen		Entity: Clark County		Consultant: GC Wallace		
Phone Number: 702-455-6074						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$483,000	\$1,000	\$1,000	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		02/15/2015				
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Awarded bid, resolved SID issues.						
Work to be Completed During Next Quarter: Construction support						

CONSTRUCTION			Contract Number		CLA08T14
Project Name: Duck Creek, Las Vegas Boulevard					
Date of Original ILA			09/11/2014	Construction ILA Amount	\$7,400,000
Date of Most Recent Supplement to ILA					
Description: This project consists of reinforced concrete box culverts ranging in size from 10' x 8' to 16' x 7' in Las Vegas Boulevard from Starr Avenue to St Rose Pkwy. CCPW #FCLA08T					
Contract Manager: Robert McNamara		Construction Mgr: URS Consultants, Inc		Contractor: Las Vegas Paving Corporation	
Phone Number: 702-455-6047					
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$6,800,000	\$600,000	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	09/11/2014	10/14/2016	03/15/2017	09/15/2018	
Bid Amount	\$30,073,424				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Began construction					
Work to be Completed During Next Quarter: Continue construction.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County			Date Prepared	08/28/2017
Project Title: Silverado Ranch Detention Basin and Outfall Facilities				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	CLA08S13			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$1,370,000	

DESIGN			Contract Number		CLA08S13	
Description: This project includes a 170 acre foot detention basin located south of Silverado Ranch Boulevard and west of Arville Street, 14' x 8' reinforced concrete box culvert inflow facility in Le Baron Avenue from detention basin to Decatur Boulevard, and 72" reinforced concrete pipe outlet extending from the detention basin to & along Silverado Ranch Boulevard. CCPW #FCLA08S						
Date of Original ILA			09/12/2013	Design ILA Amount	\$1,370,000	
Date of Most Recent Supplement to ILA			09/08/2016			
Contract Manager:		Entity: Clark County		Consultant:		
Phone Number:						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$1,248,000	\$81,000	\$31,000	\$0	\$10,000
Percent Complete	0%	30%	0%	0%	0%	0%
Scheduled Completion		04/01/2018	04/01/2018	04/01/2018		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Pre-design report submitted in November 2014. Evaluated pre-design and supplement design consultant for final design.						
Work to be Completed During Next Quarter: Continue design						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County			Date Prepared	08/28/2017
Project Title: Flamingo Wash, Industrial Road to Hotel Rio Drive				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	CLA10F10			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$46,000	

DESIGN			Contract Number		CLA10F10	
Description: This project consists of channel improvements from Industrial Road to Hotel Rio Drive. CCPW #FCLA10F						
Date of Original ILA			04/08/2010	Design ILA Amount	\$46,000	
Date of Most Recent Supplement to ILA			06/11/2015			
Contract Manager: Joe Yatson Phone Number: 702-455-6082		Entity: Clark County		Consultant: TBD		
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$32,000	\$3,500	\$10,500	\$0	\$0
Percent Complete	0%	15%	0%	0%	0%	0%
Scheduled Completion		12/01/2018	12/01/2018	12/01/2018		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Project was originally being worked on by in-house staff. Due to lack of staffing, project will go out to consultant.						
Work to be Completed During Next Quarter: Interview and hire consultant to complete design.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County			Date Prepared	08/28/2017
Project Title: Airport Channel - Naples				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	CLA10H13			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$600,000	

DESIGN			Contract Number		CLA10H13	
Description: This project consists of open channel improvements from Harmon Avenue to Tropicana Avenue. CCPW #FCLA10H						
Date of Original ILA			09/12/2013	Design ILA Amount	\$600,000	
Date of Most Recent Supplement to ILA			11/12/2015			
Contract Manager: Kathleen Kingston Phone Number: 702-455-6043		Entity: Clark County		Consultant: Atkins		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$579,000	\$19,000	\$2,000	\$0	\$0
Percent Complete	0%	30%	0%	0%	0%	0%
Scheduled Completion		12/01/2017	12/01/2017	12/01/2017		
Delay or Problem Areas/Resolution: FAA approval						
Work Completed During Current Quarter: Consultant has submitted design alternatives for project. Meetings with Department of Aviation and UNLV on use of DOA land for detention basin.						
Work to be Completed During Next Quarter: Get approval from FAA for use of land and proceed with final design.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County			Date Prepared	08/28/2017
Project Title: LVW-Sloan to Stewart-Flam Wash below Nellis				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	CLA15C09	CLA15D12		
	Construction	CLA15E13			
Total ILA Amount (Design and Construction All Phases)				\$89,199,555	

DESIGN			Contract Number			CLA15C09
Description: This project includes preliminary hydraulic analysis for the ultimate channel improvements on the Las Vegas Wash, Sloan Lane to Cedar Avenue. CCPW #FCLA15C Exp 06/14						
Date of Original ILA			10/08/2009		Design ILA Amount	
Date of Most Recent Supplement to ILA			07/14/2011		\$193,555	
Contract Manager: Joanna Wadsworth		Entity: Clark County			Consultant: G C Wallace, Inc	
Phone Number: 455-6009						
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$193,555	\$0	\$0	\$0	\$0	\$0
Percent Complete	100%	0%	0%	0%	0%	0%
Scheduled Completion	03/15/2011					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: .						
Work to be Completed During Next Quarter: Contract closed.						

DESIGN			Contract Number			CLA15D12
Description: LVMD 0883 through 1121. Open channel for Las Vegas Wash from its confluence with the Sloan Channel thru the Desert Rose Golf Course and upstream to Bonanza, including new bridge at Sahara. County is lead entity with CLV funds and support and some NLV funds.						
Date of Original ILA			06/14/2012		Design ILA Amount	
Date of Most Recent Supplement to ILA			06/08/2017		\$5,622,000	
Contract Manager:		Entity: Clark County			Consultant:	
Phone Number:						
	Predesign	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$4,791,000	\$220,000	\$22,000	\$239,000	\$350,000
Percent Complete	0%	100%	100%	100%	60%	0%
Scheduled Completion		06/15/2014	12/15/2013	06/15/2014	12/15/2015	
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Channel through golf course still under construction. Performed independant cost estimate (ICE) on concrete channel portion from Nellis to Bonanza. Re-design needed to revise upper limit to Stewart. Revised plans to remove Stewart to Bonanza from project. Received GMP from contractor for channel from Nellis to Stewart. Continue with construction on golf course.						
Work to be Completed During Next Quarter: Construction support						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County			Date Prepared	08/28/2017
Project Title: LVW-Sloan to Stewart-Flam Wash below Nellis				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	CLA15C09	CLA15D12		
	Construction	CLA15E13			
Total ILA Amount (Design and Construction All Phases)				\$89,199,555	

CONSTRUCTION			Contract Number	CLA15E13
Project Name: LVW-Sloan to Stewart-Flam Wash below Nellis				
Date of Original ILA		10/10/2013	Construction ILA Amount	
Date of Most Recent Supplement to ILA		07/13/2017	\$83,384,000	
Description: Open concrete channel for Las Vegas Wash from its confluence with the Sloan Channel upstream to Cedar Avenue, including new bridge at Desert Rose Golf Course. Las Vegas Wash, Nellis to Stewart, Pedestrian Bridge & Phase 2 Trail CCPW FCLA15E Bid No. 603152-13 and Bid No. 603740-15 (911)				
Contract Manager: Blair Lecker		Construction Mgr: Stanley Consultants		Contractor: Ames Construction, Inc.
Phone Number: 702-455-6331				
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other
	\$74,952,000	\$7,932,000	\$0	\$500,000
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End
	10/10/2013	08/13/2015	01/19/2016	
Bid Amount	\$27,928,935			
Delay or Problem Areas/Resolution: Storm events delayed construction				
Work Completed During Current Quarter: Bid No. 603740-15 continued with construction of channel.				
Work to be Completed During Next Quarter: Work complete on Phase 2 Nellis to Stewart to 87%				

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County			Date Prepared	08/28/2017
Project Title: Las Vegas Wash - Water Reclamation Channel				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design				
	Construction	CLA15F16			
Total ILA Amount (Design and Construction All Phases)				\$3,400,000	

CONSTRUCTION			Contract Number	CLA15F16
Project Name: Las Vegas Wash - Water Reclamation Channel				
Date of Original ILA		05/19/2016	Construction ILA Amount	\$3,400,000
Date of Most Recent Supplement to ILA				
Description: LYMD 0606, 0640 & 0647. Channel improvements to convey the 100-year flow of about 20,000 cfs through Clark County Water Reclamation District (CCWRD) property. The project includes trapezoidal reinforced concrete channel of up to 150-foot bottom width and 11 feet deep and a 200-foot-long two-span bridge. Approximately 5,000 feet of the Las Vegas Wash will be channelized. CCPW #FCLA15F ID 948				
Contract Manager: Dan Erickson Phone Number: 702-455-6046		Construction Mgr: CCPW		Contractor: CCWRD
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other
	\$3,400,000	\$0	\$0	\$0
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End
	05/19/2016	07/07/2015	04/05/2016	
Bid Amount	\$46,847,000			
Delay or Problem Areas/Resolution:				
Work Completed During Current Quarter: Channel construction 100% completed				
Work to be Completed During Next Quarter:				

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County			Date Prepared	08/28/2017
Project Title: Orchard Detention Basin				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	CLA21A00			
	Construction	CLA21B12			
Total ILA Amount (Design and Construction All Phases)				\$6,229,586	

DESIGN			Contract Number		CLA21A00	
Description: Soil cement lined levee that will extend south from the Linden Avenue alignment to Charleston Boulevard along the base of Sunrise Mountain. This facility will collect flows draining east off the mountain and convey them south to the Orchard Detention Basin located south of Charleston Boulevard. CCPW#F000714 id 690						
Date of Original ILA			07/13/2000		Design ILA Amount	
Date of Most Recent Supplement to ILA			12/08/2016			
Contract Manager: Mona Stammetti		Entity: Clark County		Consultant: Parsons Brinckerhoff, Inc.		
Phone Number: 702-455-6077						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$756,000	\$176,900	\$345,000	\$0	\$21,800
Percent Complete	0%	20%	0%	0%	0%	0%
Scheduled Completion		05/15/2018	05/15/2018	05/15/2018		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter:						
Work to be Completed During Next Quarter: Continue design.						

CONSTRUCTION			Contract Number		CLA21B12
Project Name: Orchard Detention Basin					
Date of Original ILA			09/08/2011		Construction ILA Amount
Date of Most Recent Supplement to ILA			10/13/2016		
Description: The Orchard Detention Basin is located east of Los Feliz Street between Charleston Boulevard and north of Sahara Avenue. This project will benefit the community by conveying flows to the Las Vegas Wash via the Range Wash - Sloan Channel. Project includes visual enhancement and restoration plans. CCPW Project No. FCLA21B (F000714) Bid No.					
Contract Manager: Blair Lecker		Construction Mgr: CCPW		Contractor: VT Construction	
Phone Number: 702-455-6331					
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$4,659,429	\$270,458	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	04/12/2012	06/25/2014	11/17/2014	06/15/2015	
Bid Amount	\$4,545,033				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: NTP issued to VT Construction on 11/17/14.					
Work to be Completed During Next Quarter: Substantial completion issued 06/03/15 for construction of the detention basin. This ILC was closed 10.13.16 #7. See Design CLA21A00 for updates on Phase II.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County			Date Prepared	08/28/2017
Project Title: Flamingo Diversion - Rainbow Branch				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	CLA27C08			
	Construction	CLA27D13			
Total ILA Amount (Design and Construction All Phases)				\$11,600,000	

DESIGN			Contract Number			CLA27C08
Description: This is a tributary to the Flamingo Diversion Channel in Rainbow Boulevard. It is a reinforced concrete pipe from Sunset Road to Patrick Lane and a trapezoidal concrete channel from Patrick Lane to Russell Road. CCPW #FCLA27C Exp 06/13						
Date of Original ILA			08/14/2008	Design ILA Amount		\$1,030,000
Date of Most Recent Supplement to ILA			10/08/2015			
Contract Manager: John Catanese		Entity: Clark County		Consultant: Atkins		
Phone Number: 702-455-6616						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$897,000	\$10,000	\$33,000	\$90,000	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		10/16/2012	02/16/2010	10/15/2012		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter:						
Work to be Completed During Next Quarter: Construction support. Prepare LOMR for submittal to FEMA						

CONSTRUCTION			Contract Number			CLA27D13
Project Name: Flamingo Diversion - Rainbow Branch						
Date of Original ILA			02/14/2013	Construction ILA Amount		\$10,570,000
Date of Most Recent Supplement to ILA			11/12/2015			
Description: Construction of the Flamingo Diversion Channel - Rainbow Branch which is located along Rainbow Boulevard from Sunset Road to Russell Road. This project will collect 100-year flows of 1,148 cfs and convey them to the Flamingo Diversion Channel stub in Rainbow Boulevard and Russell Road. Major collection system laterals for the following roadways are included: Sunset Road, Patrick Lane, and Russell Road. CCPW Project No. FCLA27D exp 06/30/2018						
Contract Manager: Robert McNamara		Construction Mgr: CH2M Hill		Contractor: Las Vegas Paving Corporation		
Phone Number: 702-455-6047						
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other		
	\$9,665,000	\$905,000	\$0	\$0		
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End		
	04/11/2013	07/10/2015	02/16/2016	04/15/2017		
Bid Amount	\$12,619,186					
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Sub Complete construction.						
Work to be Completed During Next Quarter: Pay final invoices and close project.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County Outlying			Date Prepared	08/28/2017
Project Title: Windmill Wash Detention Basin Expansion				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	BUN01D11			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$880,000	

DESIGN			Contract Number		BUN01D11	
Description: This project consists of the expansion of the existing Windmill Wash Detention Basin from 522 acre feet to 887 acre feet. CCPW Windmill Wash Detention Basin Expansion #FBUN01D ID 746						
Date of Original ILA			02/10/2011	Design ILA Amount	\$880,000	
Date of Most Recent Supplement to ILA			08/10/2017			
Contract Manager: John Catanese Phone Number: 702-455-6081		Entity: Clark County Outlying		Consultant: Stanley Consultants, Inc.		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$660,000	\$119,000	\$94,000	\$0	\$7,000
Percent Complete	0%	60%	0%	0%	0%	0%
Scheduled Completion		11/01/2015	11/01/2015	11/01/2018		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Performed site visit; Updated project hydrology; investigated several basin configurations; 60% plans submitted; consultant to make recommendation; proceeded to final design contract						
Work to be Completed During Next Quarter: Continue design. Complete design work to 90% and obtain BLM entry.						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County Outlying			Date Prepared	08/28/2017
Project Title: Goodsprings - Phase I				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	GSP01B10			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$53,400	

DESIGN			Contract Number		GSP01B10	
Description: Provide legal description of one parcel for flood control facilities in the Goodsprings system for a riprap channel in Pacific Street and Revere Street discharging to the natural watercourse on the north side of Goodsprings. CCPW Goodsprings - Phase I #FGSP01B						
Date of Original ILA			03/11/2010	Design ILA Amount	\$53,400	
Date of Most Recent Supplement to ILA			04/13/2017			
Contract Manager: Timothy Piparo Phone Number: 702-455-6339		Entity: Clark County Outlying		Consultant: CCPW		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$25,400	\$500	\$27,500	\$0	\$0
Percent Complete	0%	10%	0%	100%	0%	0%
Scheduled Completion						
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Acquired right-of-way.						
Work to be Completed During Next Quarter: Continue design						

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County Outlying			Date Prepared	08/28/2017
Project Title:	SR 163 at Casino Drive			Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	LAU04A08			
	Construction	LAU04B17			
Total ILA Amount (Design and Construction All Phases)					\$1,625,500

DESIGN			Contract Number		LAU04A08	
Description: This project consists of an RCB under Casino Drive, and the first part was included in the RTC's Casino Drive, Harrahs Hotel to SR 163 project(R064L07) project. The pipe will now be connected to the upstream existing storm drain. CCPW SR 163 at Casino Drive #FLAU04A id 755						
Date of Original ILA			10/09/2008	Design ILA Amount	\$473,500	
Date of Most Recent Supplement to ILA			06/09/2016			
Contract Manager: Roy Davis		Entity: Clark County Outlying		Consultant: G.C. Wallace, Inc.		
Phone Number: 702-455-6075						
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$386,500	\$75,500	\$11,500	\$0	\$0
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		03/01/2017	03/01/2017	03/01/2017		
Delay or Problem Areas/Resolution: Determination of the high water mark must be made before the State of Nevada will grant right-of-occupancy. BOR issues						
Work Completed During Current Quarter: Sent additional correspondence requesting input from stakeholders.						
Work to be Completed During Next Quarter: Advertise bid.						

CONSTRUCTION			Contract Number		LAU04B17
Project Name: SR 163 at Casino Drive					
Date of Original ILA			07/13/2017	Construction ILA Amount	\$1,152,000
Date of Most Recent Supplement to ILA					
Description: Construct a storm drain at SR 163 at Casino Drive to convey flows to the Colorado River. SR 163 at Casino Drive #FLAU04B					
Contract Manager: TBD		Construction Mgr: Mike Mamer		Contractor: TBD	
Phone Number: 702-455-6081					
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$1,060,000	\$92,000	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	07/13/2017				
Bid Amount	\$0				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter:					
Work to be Completed During Next Quarter: Advertise bid.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County Outlying			Date Prepared	08/28/2017
Project Title: Muddy River West Levee, Moapa Valley				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	MOA01B89			
	Construction	MOA01G11			
Total ILA Amount (Design and Construction All Phases)				\$29,294,909	

DESIGN	Contract Number	MOA01B89
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Description: Perform sufficient design to establish right-of-way, perform right-of-way engineering, appraisals, and acquisition for Muddy River, Lewis to Cooper. Concrete channel at Cooper Bridge, gabion channelization both downstream and upstream. CCPW#F890519 Exp 06/15

Date of Original ILA		Design ILA Amount	\$13,501,000
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Date of Most Recent Supplement to ILA	01/12/2017		
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Contract Manager: John Catanese Phone Number: 702-455-6077	Entity: Clark County Outlying	Consultant: GC Wallace
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	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$2,418,500	\$137,000	\$10,843,200	\$35,500	\$66,800
Percent Complete	0%	100%	100%	100%	0%	0%
Scheduled Completion		06/15/2012	05/01/2011	09/06/2011		

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Design complete. GCW submitted to FEMA 12.23.16.

Work to be Completed During Next Quarter: Complete LOMR.

CONSTRUCTION	Contract Number	MOA01G11
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Project Name: Muddy River, Cooper Street Bridge

Date of Original ILA	10/13/2011	Construction ILA Amount	\$15,793,909
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Date of Most Recent Supplement to ILA	04/14/2016		
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Description: Project includes a new bridge structure at Cooper Street with concrete and rip rap channels extending upstream and downstream of the bridge. CCPW #

Contract Manager: Mathew Burke Phone Number: 702-455-6044	Construction Mgr: Harris and Associates	Contractor: Meadow Valley Contractors, Inc.
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Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other
	\$14,150,635	\$1,643,274	\$0	\$0
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End
	11/10/2011	10/17/2013	03/03/2014	03/15/2015
Bid Amount	\$13,696,359			

Delay or Problem Areas/Resolution:

Work Completed During Current Quarter: Substantial completion 06.29.15

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

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County Outlying			Date Prepared	08/28/2017
Project Title: Muddy River Logandale Levee				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	MOA01F10			
	Construction	MOA01H15			
Total ILA Amount (Design and Construction All Phases)				\$8,953,000	

DESIGN			Contract Number		MOA01F10	
Description: Design of flood control facilities in the Muddy River and Tributaries system for Muddy River Logandale Levee. Completed project will remove flood zone in Logandale originating from breakout flows from the Muddy River. CCPW Muddy River Logandale Levee #FMOA01F						
Date of Original ILA			03/11/2010	Design ILA Amount	\$1,753,000	
Date of Most Recent Supplement to ILA			05/18/2017			
Contract Manager: John Catanese Phone Number: 702-455-6616		Entity: Clark County Outlying		Consultant: GC Wallace		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$761,000	\$103,500	\$830,500	\$58,000	\$0
Percent Complete	0%	100%	0%	0%	40%	0%
Scheduled Completion		12/15/2014	12/15/2014	12/15/2014		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Awarded bid.						
Work to be Completed During Next Quarter: Construction support.						

CONSTRUCTION			Contract Number		MOA01H15
Project Name: Muddy River Logandale Levee					
Date of Original ILA			01/08/2015	Construction ILA Amount	\$7,200,000
Date of Most Recent Supplement to ILA			03/09/2017		
Description: MRLL 0001, 0013, and 0038 - This project consists of the reconstruction of an existing levee beginning at Wells Siding and extending south along the east side of the Union Pacific Railroad alignment to just north of Waite Avenue alignment. CCPW #FMOA01F					
Contract Manager: Robert McNamara Phone Number: 702-455-6616		Construction Mgr: CCPW		Contractor: Trade West Construction, Inc.	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$6,800,000	\$400,000	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	01/08/2015	10/21/2016	02/13/2017		
Bid Amount	\$6,731,520				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter: Continued construction.					
Work to be Completed During Next Quarter: Continue construction.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County Outlying			Date Prepared	08/28/2017
Project Title: Fairgrounds Detention Basin				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	MOA03A11			
	Construction				
Total ILA Amount (Design and Construction All Phases)				\$964,000	

DESIGN	Contract Number	MOA03A11
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Description: This project is a detention basin (and outfall to the Muddy River) that will provide protection to the Clark County Fair Grounds and the surrounding neighborhoods. CCPW Fairgrounds Detention Basin #FMOA01G ID 753

Date of Original ILA	02/10/2011	Design ILA Amount	\$964,000
Date of Most Recent Supplement to ILA	02/11/2016		

Contract Manager: Roy Davis
Phone Number: 702-455-6075
Entity: Clark County Outlying
Consultant: Louis Berger

	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$749,000	\$172,500	\$25,500	\$0	\$17,000
Percent Complete	0%	30%	0%	0%	0%	0%
Scheduled Completion		08/01/2017	08/01/2017	08/01/2017		

Delay or Problem Areas/Resolution:

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

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

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

Entity	Clark County Outlying			Date Prepared	08/28/2017
Project Title: Searchlight - South, Encinitas St Storm Drain				Review Period From	05/01/2017
				Review Period To	07/31/2017
Contract Numbers	Design	SEA03A09			
	Construction	SEA03B17			
Total ILA Amount (Design and Construction All Phases)				\$2,668,000	

DESIGN			Contract Number		SEA03A09	
Description: This project consists of a storm drain beneath Encinitas Street outletting to the natural wash on the southeast side of the town. CCPW Searchlight - South, Encinitas St. Stormdrain #FSEA03A Exp 06/19						
Date of Original ILA			08/13/2009	Design ILA Amount	\$138,000	
Date of Most Recent Supplement to ILA			06/12/2014			
Contract Manager: Jinxin Xie Phone Number: 702-455-2986		Entity: Clark County Outlying		Consultant: CCPW		
	Pre-design	Design	Environmental	Right-of-Way	LOMR	Other
ILA Amount	\$0	\$137,000	\$500	\$500	\$0	\$0
Percent Complete	0%	90%	100%	100%	0%	0%
Scheduled Completion		03/01/2017	04/21/2011	04/21/2011		
Delay or Problem Areas/Resolution:						
Work Completed During Current Quarter: Obtained additional topo. Work on 90% design documents. Began contract with geotech engineer. Submitted 90% design documents.						
Work to be Completed During Next Quarter: Advertise bid.						

CONSTRUCTION			Contract Number		SEA03B17
Project Name: Searchlight-South, Encinitas St. Storm Drain					
Date of Original ILA			08/10/2017	Construction ILA Amount	\$2,530,000
Date of Most Recent Supplement to ILA					
Description: This project consists of a storm drain beneath Encinitas Street outletting to the natural wash on the southeast side of the town. CCPW Searchlight - South, Encinitas St. Stormdrain #FSEA03B					
Contract Manager: TBD Phone Number:		Construction Mgr: TBD		Contractor: TBD	
Interlocal Agreement Amount	Construction	Construction Mgmt	Environmental	Other	
	\$2,330,000	\$200,000	\$0	\$0	
Scheduled Completion Dates	Project Funded	Bids Open	Const Start	Const End	
	08/10/2017	11/15/2017	05/01/2018		
Bid Amount	\$0				
Delay or Problem Areas/Resolution:					
Work Completed During Current Quarter:					
Work to be Completed During Next Quarter: Advertise bid.					

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

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

PSA	Contract Number	RFMPULVV16
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Description: Update Master Plan for the Las Vegas Valley

Date of Latest Contract	09/08/2016	Estimated Total Cost	\$0
Percent Complete	30%		

RFCD Contract Manager:	Consultant:
Phone Number:	Contact:
	Phone:

Agency:	LOMR Case #:	LOMR Type:
LOMR Funding Amount: \$0	MPU Funding: \$1,000,000	

Scheduled Completion Dates	
Start Date	
Received 90-Day Letter	
Received Comment Letter	
Response to Comment Letter	
Response to Comments to FEMA	
Submittal to FEMA	
FEMA Approval	

Affected Communities:

ID Miles:

Delay or Problem Areas/Resolution: Consultant directed to perform additional analysis on land use percent impervious.

Work Completed During Current Quarter: Reviewed Progress Report #1; Updated sub-basin delineations; updated inventory of existing facilities; began to develop cost and sizing tools.

Work to be Completed During Next Quarter: Finish updating sub-basin delineations; Update hydrologic analysis; Initial update to facility plan; Continue to develop cost and sizing tools.

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

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

PSA	Contract Number		RFLOMRI1517
Description: LOMR for the I-15 Corridor between Cactus Ave. and Pebble Road			
Date of Latest Contract		Estimated Total Cost	\$0
Percent Complete		50%	Cost
RFCD Contract Manager: Abi Mayrena Phone Number: 685-0000		Consultant: Contact: Phone:	
Agency:	LOMR Case #:	LOMR Type:	
LOMR Funding Amount: \$49,862		LOMR Funding: \$0	
Scheduled Completion Dates			
Start Date			
Received 90-Day Letter			
Received Comment Letter			
Response to Comment Letter			
Response to Comments to FEMA			
Submittal to FEMA			
FEMA Approval			
Affected Communities:			
ID Miles:			
Delay or Problem Areas/Resolution:			
Work Completed During Current Quarter: Received FEMA comments dated 4/4/2017. Consultant addressing FEMA comments.			
Work to be Completed During Next Quarter: Address comments and submit responses to FEMA.			

REGIONAL FLOOD CONTROL DISTRICT

PROJECT STATUS REPORT

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

PSA	Contract Number	RFMPUBUNCOM16
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Description: Update the flood control Master Plans for the City of Mesquite and the Town of Bunkerville

Date of Latest Contract	12/08/2016	Estimated Total Cost	\$0
Percent Complete	40%		

RFCD Contract Manager:	Consultant:
Phone Number:	Contact:
	Phone:

Agency:	LOMR Case #:	LOMR Type:
LOMR Funding Amount: \$0	MPU Funding: \$325,118	

Scheduled Completion Dates	
Start Date	
Received 90-Day Letter	
Received Comment Letter	
Response to Comment Letter	
Response to Comments to FEMA	
Submittal to FEMA	
FEMA Approval	

Affected Communities:

ID Miles:

Delay or Problem Areas/Resolution: Consultant directed to consider alternate method for hydrologic analysis (Green-Ampt) consistent with other studies in the area. District and County in process of evaluating preliminary results of new analysis.

Work Completed During Current Quarter: Field reconnaissance, update inventory of existing facilities, hydrologic analysis review, and update of hydrologic analysis. Consultant performed comparison of hydrologic modelling techniques for Mesquite and Bunkerville watersheds and made recommendations.

Work to be Completed During Next Quarter: Continue on finalizing hydrology for both watersheds. Hydraulic and sedimentation analysis; facility plan update; environmental considerations; begin cost estimates and preliminary report preparation.

**REGIONAL FLOOD CONTROL DISTRICT
PROJECT STATUS REPORT**

ENTITY: REGIONAL FLOOD CONTROL DISTRICT

DATE PREPARED: Sep. 5, 2017

REVIEW PERIOD FROM: May 1, 2017 TO July 31, 2017

PROJECT: 2017 Flood Safety Advertising Campaign

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

PERCENT COMPLETE: 85%

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

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

CONSULTANT/PROJECT MANAGER: R+P/Reece Markman

DELAYS OR PROBLEM AREAS:

- There are no delays or problems at this time.

WORK COMPLETED DURING CURRENT PERIOD:

- Reconciled budget
- Paid invoices
- Monitored start of Flash Flood Advertising Campaign
- Managed updates to the FloodSpot app

WORK TO BE COMPLETED NEXT PERIOD:

- Monitor advertising campaign
- Launch any weather-triggered advertising (through Sep 30)
- Reconcile budgets and close the 2017 Flash Flood Safety Ad Campaign

PROJECT MANAGER: Erin Neff

PHONE #: 685-0000

Project Status Report
May 2017

Public Information Coordinator Beatriz Martinez gave presentations reaching 49 classes and 1,276 students at the following schools:

- Desert Torah Academy
- Goodsprings ES
- Lucille Rogers ES
- Marc Kahre ES
- McCaw ES
- Ruthe Deskin ES
- Ruby Ducan ES
- Wendell Williams ES
- Wolff ES

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

As of May 31, the Flood District's Facebook page had 669 likes, the District's Twitter page had 1,738 followers and the FloodSpot application had 16,140 downloads.

Staff worked on The Flood Channel program and planned for the Annual Flash Flood Safety News Conference.

On May 12 we hosted a bus tour of facilities and lunch for the Citizens Advisory Committee.

Neff finalized plans for the June-September Flash Flood Media. Neff also planned Stormwater PSA buys for May-June.

Project Status Report
June 2017

Public Information Coordinator Beatriz Martinez gave presentations reaching 12 classes and 312 students at the following schools:

- Schorr ES
- Ferron ES
- Williams ES

Martinez finished the 2016-17 school year by reaching 10,250 students, the second straight year more than 10,000 students were reached by one person's work.

Public Information Manager Erin Neff continued weekly briefings with management on legislative issues, as the Nevada Legislature adjourned without passing AB100 – the measure the District and entities opposed.

As of June 30, the Flood District's Facebook page had 684 likes, the District's Twitter page had 1,750 followers and the FloodSpot application had 16,132 downloads.

Staff worked on The Flood Channel program focusing on Flash Flood season.

On June 21 staff held the Annual Flash Flood Safety News Conference at Wet 'n' Wild Las Vegas in conjunction with HELP of Southern Nevada, Clark County Fire Department and National Weather Service. Firefighters demonstrated rescue techniques in the water and homeless advocates discussed the difficulties facing homeless during flash flood season. The event was attended by all local TV stations, Spanish media and the Review-Journal and resulted in excellent coverage through the July 1 start of flood season.

All Flash Flood Safety advertising was running by June 15. Stormwater ads rans through June 14.

Neff was a team leader for the municipal election June 13.

Project Status Report July 2017

Public Information Coordinator Beatriz Martinez made preparations for the 2017-18 school year, set to begin in mid-August. Supplies were also re-ordered.

As of July 31, the Flood District's Facebook page had 769 likes, the District's Twitter page had 1,858 followers and the FloodSpot application had 16,214 downloads.

We finished The Flood Channel Show 105 with information on Flash Flood Season and construction.

District staff fielded 42 press requests in July.

On July 10 and on July 25 District staff managed push notifications, live social media updates and press interviews related to rain events. One person was killed during the July storms.

Staff arranged for Flash Flood proclamations at Clark County, Boulder City, Henderson, Las Vegas, Mesquite and North Las Vegas. District leaders accepted proclamations from the different councils.

Staff began work on the Annual Report and began planning for the annual survey of residents.

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

**PITTMAN, HORIZON RIDGE DETENTION BASIN
REALLOCATION OF FUNDING – HEN05E09**

RECOMMENDATION SUMMARY

STAFF: Approve.

TECHNICAL ADVISORY: Approve.

CITIZENS ADVISORY: Approve.

**RFCD AGENDA
ITEM #13
DATE: 09/14/17**

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT:
PITTMAN, HORIZON RIDGE DETENTION BASIN

PETITIONER:
CITY OF HENDERSON

RECOMMENDATION OF PETITIONER:
THAT THE REGIONAL FLOOD CONTROL DISTRICT APPROVE THE REQUEST TO REALLOCATE FUNDING WITHIN THE INTERLOCAL CONTRACT FOR DESIGN FOR PITTMAN, HORIZON RIDGE DETENTION BASIN – HEN05E09 (FOR POSSIBLE ACTION)

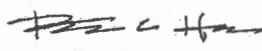
FISCAL IMPACT:	<u>CCRFC</u> <u>D Funding</u>	<u>CCRFC</u> <u>D Funding</u>	<u>Fiscal</u> <u>Impact</u>
Right-of-Way	\$ 99,004.00	\$ 49,003.78	\$(50,000.22)
Design Engineering	529,802.00	589,803.05	60,001.05
Environmental Mitigation	88,479.00	88,478.17	(0.83)
Other/(CLOMR/LOMR)	<u>10,000.00</u>	<u>0.00</u>	<u>(10,000.00)</u>
Total	\$727,285.00	\$727,285.00	\$ 0.00

BACKGROUND:

The District entered into an Interlocal Contract with the City of Henderson on December 10, 2009 to provide funding for design engineering, environmental mitigation costs, right-of-way engineering services, and Letter of Map Revision (CLOMR/LOMR) costs for the Horizon Ridge Debris Basin and Outfall at Sumner Ranch Road project. The City analyzed modifications to this facility as part of the Pioneer Detention Basin Expansion project. The analysis determined that a detention basin was required at this location instead of the planned debris basin. A Master Plan Amendment to make this change was approved by the Board on May 17, 2012 and by Henderson City Council on June 19, 2012. The District approved a First Supplemental Interlocal Contract on March 8, 2012 to extend the completion date of the project. The District approved a Second Supplemental Interlocal Contract on August 14, 2014 to decrease funding for right-of-way costs, increase funding for design engineering and environmental mitigation, extend the project completion date and formally change the name of the project to Pittman, Horizon Ridge Detention Basin.

The reallocation of funds is necessary to allow for NV Energy Line Extension charges to be funded by the appropriate designation and additional Design Engineering costs.

Respectfully submitted,

DocuSigned by:

BCA33BA61AA426...

Robert C. Herr, P.E.
Director of Public Works, Parks and Recreation
City of Henderson

TAC AGENDA ITEM # 12 Date: 8/31/17	RFCD AGENDA ITEM # 13 Date: 9/14/17
CAC AGENDA ITEM # 12 Date: 8/31/17	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 08/21/17

**PITTMAN, HORIZON RIDGE DETENTION BASIN
REALLOCATION OF FUNDING – HEN05E09**

The City of Henderson has submitted a request to reallocate funding within the interlocal contract for design engineering, right-of-way, environmental mitigation and a CLOMR/LOMR dated December 10, 2009 and supplemented March 8, 2012 and August 14, 2014.

The reallocation of funds is needed to allow for NV Energy line extension charges and additional design engineering costs. District funding will be provided as follows:

	Current Funding	Increase/Decrease	Proposed Funding
Design Engineering	\$529,802.00	\$ 60,001.05	\$589,803.05
Right-of-Way	\$ 99,004.00	(\$50,000.22)	\$ 49,003.78
Environmental Mitigation	\$ 88,479.00	(\$.83)	\$ 88,478.17
CLOMR/LOMR	\$ 10,000.00	(\$10,000.00)	\$ 0.00
Total ILC Value	\$727,285.00	\$ 0.00	\$727,285.00

Staff Recommendation:

Approve.

Discussion by Technical Advisory Committee:

AGENDA
#12 Date: 08/31/17

Recommendation:

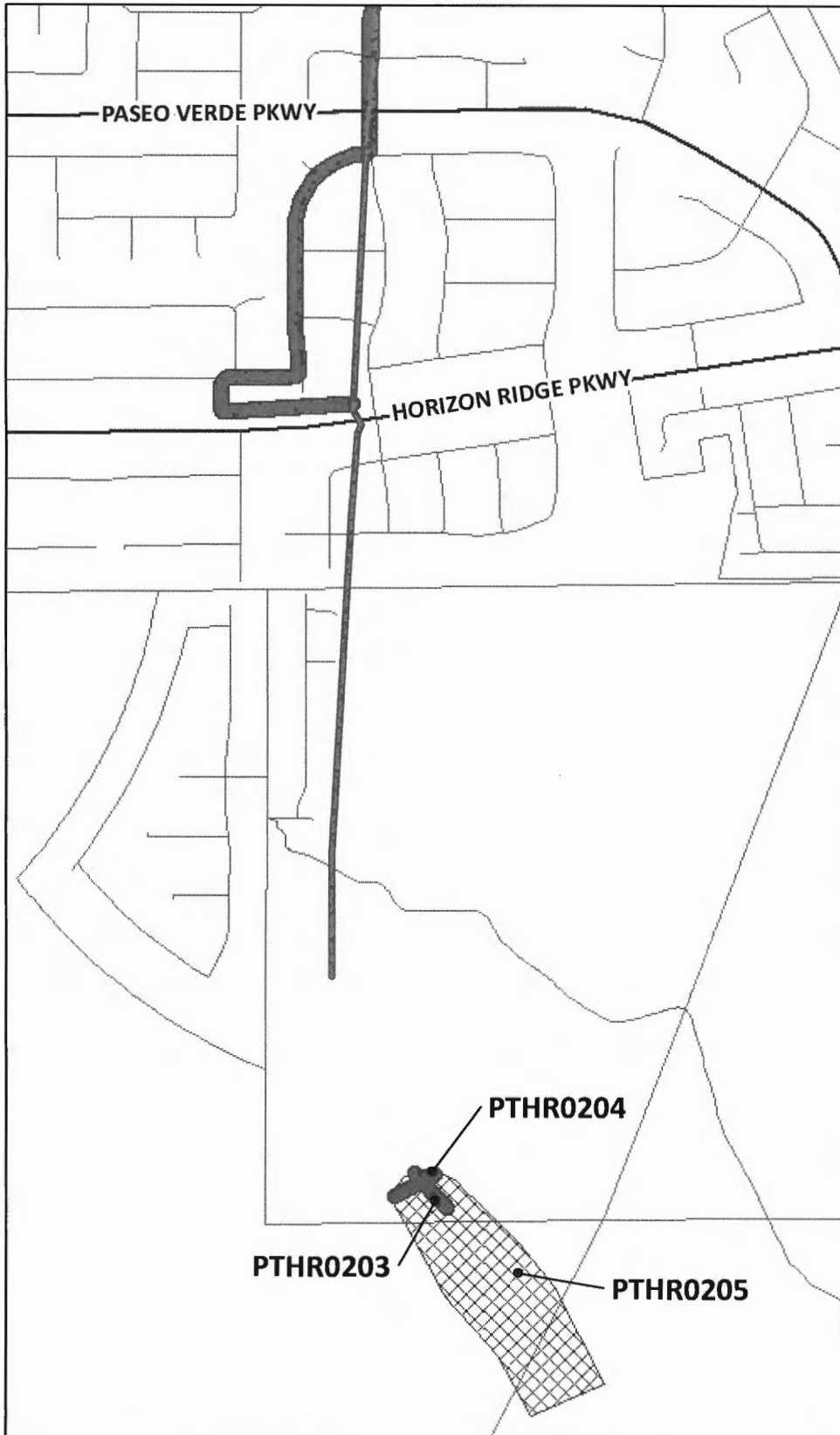
Approve.

Discussion by Citizens Advisory Committee:

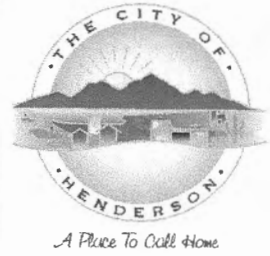
AGENDA
#12 Date: 08/31/17

Recommendation:

Approve.

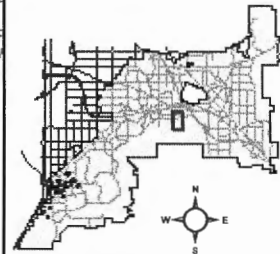


PUBLIC WORKS DEPARTMENT






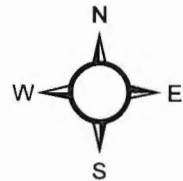
City of Henderson REGIONAL FLOOD CONTROL DISTRICT

EXHIBIT A



Legend

-  Proposed Facility
-  MPU Regional Facility
-  Proposed Basin



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

MAP NAME:

EXHIBIT A

AUTHOR: DATE:

D.C.T. 07/21/2014

FILE:

P:\workareas\pworks\FloodControl\ExhibitA\mxds\HEN05E09_rev07_2014

EXHIBIT A PITTMAN, HORIZON RIDGE DETENTION BASIN (HEN05E09)

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

**FLAMINGO DIVERSION – RAINBOW BRANCH
REVISED AWARD OF BID FOR CONSTRUCTION – CLA27D13**

RECOMMENDATION SUMMARY

STAFF: Receive the report.

TECHNICAL ADVISORY: Receive the report.

CITIZENS ADVISORY: Receive the report.

**RFCD AGENDA
ITEM #14
DATE: 09/14/17**

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT: FLAMINGO DIVERSION - RAINBOW BRANCH
PETITIONER: DENIS CEDERBURG, DIRECTOR OF PUBLIC WORKS
RECOMMENDATION OF PETITIONER: THAT THE REGIONAL FLOOD CONTROL DISTRICT RECEIVE A REVISED REPORT ON THE RECOMMENDATION FOR BEST BID FOR CONSTRUCTION OF FLAMINGO DIVERSION - RAINBOW BRANCH - CLA27D13

FISCAL IMPACT: None by this action.

Funding will be provided as follows:


\$ 8,832,316.29	Funding by Regional Flood Control District
\$ 3,786,869.71	Funding by Regional Transportation Commission
\$ 12,619,186.00	Total

BACKGROUND:

On July 10, 2015, bids were opened for the project. Two bids were received ranging from \$12,619,186.00 to \$15,346,292.00. The recommended best bid is to Las Vegas Paving Corporation in the amount of \$12,619,186.00, or 57.38% over the engineer's estimate of \$8,018,117.00 presented to the District Board on February 14, 2013. The interlocal contract dated November 12, 2015, between the District and the County, allocates \$9,665,000.00 for construction of this project. The Regional Transportation Commission of Southern Nevada will participate in cost of the District project. The District project design is for 100 year storm drain. An error was discovered in the original funding breakdown. A cash flow projection, estimated construction schedule, and a tabulation of bids are attached.

Respectfully submitted,

TAC AGENDA ITEM # 13 Date: 08.31.17	RFCD AGENDA ITEM # 14 Date: 09.14.17
CAC AGENDA ITEM # 13 Date: 08.31.17	


DENIS CEDERBURG
Director of Public Works
DC:CB

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 08/21/17

FLAMINGO DIVERSION – RAINBOW BRANCH
AWARD OF BID FOR CONSTRUCTION – CLA27D13

On July 10, 2015, bids were opened for the project. Two bids were received ranging from \$12,619,186.00 to \$15,346,292.00. The recommended best bid is to Las Vegas Paving Corporation in the amount of \$12,619,186.00, or 57.38% above the engineer's estimate of \$8,018,117.00 presented to the District Board on February 14, 2013.

The interlocal contract dated November 12, 2015, between the District and the County, allocates \$9,665,000.00 for construction of this project. It was determined that an error was discovered in the original funding breakdown. The District's share is \$8,832,316.29.

A cash flow projection, estimated construction schedule, and a tabulation of bids are attached.

Staff Recommendation:

Receive the report.

Discussion by Technical Advisory Committee:

AGENDA
#13 Date: 08/31/17

Recommendation:

Receive the report.

Discussion by Citizens Advisory Committee:

AGENDA
#13 Date: 08/31/17

Recommendation:

Receive the report.

Clark County Regional Flood Control District Cash Flow Projection

Today's Date: 8/17/2017

Project Number: CLA27D13
 Project Name: FLAMINGO DIVERSION - RAINBOW BRANCH
 Project Type: Channel
 ILC Amount: \$ 9,870,000 \$ 10,570,000

Construction Schedule			
Milestone	Estimate	Revised	Actual
Award of Bid	August-13	October-15	
CONS Start	October-13	February-16	
CONS Complete	May-14	Jun-17	
Project Duration	8 months	16 months	

Billing Month	Original Estimate		Actual Drawdowns		Variance		Revised Estimate	
	\$	%	\$	%	\$	%	\$	%
Oct-13	493,500	5%						
Nov-13	1,480,500	15%						
Dec-13	2,467,500	25%						
Jan-14	2,467,500	25%						
Feb-14	1,480,500	15%						
Mar-14	888,300	9%						
Apr-14	296,100	3%						
May-14	296,100	3%						
Jun-14								
Jul-14								
Aug-14								
Feb-16								
Mar-16							528,500	5%
Apr-16							528,500	5%
May-16							528,500	5%
Jun-16							528,500	5%
Jul-16							528,500	5%
Aug-16							1,057,000	10%
Sep-16							1,057,000	10%
Oct-16							1,057,000	10%
Nov-16							1,057,000	10%
Dec-16							528,500	5%
Jan-17							528,500	5%
Feb-17							528,500	5%
Mar-17							528,500	5%
Apr-17							528,500	5%
May-17							528,500	5%
Jun-17							528,500	5%
Total	\$ 9,870,000	100%					\$ 10,570,000	100%

Project Name: Flamingo Diversion Rainbow Branch & Rainbow Boulevard, Sunset Road to Russell Road

Project Number: FCLA27C

BID ABSTRACT

Bid Number: 603657-15

Opening Date: July 10, 2015

L Number: L-1946 & L-1966

Item No.	Description	Quantity	Unit	Engineer's Estimate		Las Vegas Paving Corp		Contri Construction Company	
				Unit Price	Amount	Calc'd Unit Price	Amount	Calc'd Unit Price	Amount
107.01	TRAFFIC CONTROL	420	DAY	\$ 750.00	\$315,000.00	\$0.00		\$533.00	\$223,860.00
109.01	CONSTRUCTION CONFLICTS AND ADDITIONAL WORK	1	LS	\$ 450,000.00	\$450,000.00	\$450,000.00	\$450,000.00	\$450,000.00	\$450,000.00
109.02	HISTORICAL OWNER CAUSED DELAY ALLOWANCE	15	DAY	\$ 500.00	\$7,500.00	\$500.00	\$7,500.00	\$500.00	\$7,500.00
109.03	ADDITIONAL AMMOUNT OVER \$500 / DAY AS DETERMINED BY BIDDER	15	DAY	\$ 920.00	\$13,800.00	\$500.00	\$7,500.00	\$1,000.00	\$15,000.00
200.01	MOBILIZATION	1	LS	\$ 450,000.00	\$450,000.00	\$475,000.00	\$475,000.00	\$768,825.00	\$768,825.00
201.01	CLEARING AND GRUBBING	3	ACRE	\$ 1,000.00	\$3,000.00	\$1,750.00	\$5,250.00	\$1,402.00	\$4,206.00
202.01	REMOVE STORM DRAIN PIPE	482	LF	\$ 20.00	\$9,640.00	\$45.00	\$21,690.00	\$16.00	\$7,712.00
202.02	REMOVE HEADWALL	3	EA	\$ 2,380.00	\$7,140.00	\$2,400.00	\$7,200.00	\$5,498.00	\$16,494.00
202.03	REMOVE DROP INLET	3	EA	\$ 1,500.00	\$4,500.00	\$1,700.00	\$5,100.00	\$1,387.00	\$4,161.00
202.04	REMOVE STORM DRAIN MANHOLE	4	EA	\$ 1,500.00	\$6,000.00	\$1,250.00	\$5,000.00	\$2,295.00	\$9,180.00
202.05	ABANDON STORM DRAIN	4,471	LF	\$ 20.00	\$89,420.00	\$24.00	\$107,304.00	\$32.00	\$143,072.00
202.06	ABANDON STORM DRAIN MANHOLE	15	EA	\$ 1,000.00	\$15,000.00	\$1,700.00	\$25,500.00	\$2,245.00	\$33,675.00
202.07	REMOVE ASPHALT PAVEMENT	21,920	SY	\$ 3.00	\$65,760.00	\$11.00	\$241,120.00	\$11.00	\$241,120.00
202.08	REMOVE CONCRETE VALLEY GUTTER	1,036	SF	\$ 5.00	\$5,180.00	\$5.00	\$5,180.00	\$9.00	\$9,324.00
202.09	REMOVE MEDIAN ISLAND	2,753	SF	\$ 3.00	\$8,259.00	\$3.00	\$8,259.00	\$8.00	\$22,024.00
202.10	REMOVE SIGN	23	EA	\$ 43.00	\$989.00	\$48.00	\$1,104.00	\$50.00	\$1,150.00
202.11	REMOVE GUARDRAIL	385	LF	\$ 10.00	\$3,850.00	\$6.00	\$2,310.00	\$6.00	\$2,310.00
202.12	REMOVE TRAFFIC SIGNAL	1	EA	\$ 3,000.00	\$3,000.00	\$1,040.00	\$1,040.00	\$1,088.00	\$1,088.00
202.13	REMOVE ASPHALT SIDEWALK	3,832	SF	\$ 8.00	\$30,656.00	\$1.00	\$3,832.00	\$1.00	\$3,832.00
203.01	ROADWAY EXCAVATION	11,360	CY	\$ 10.00	\$113,600.00	\$15.00	\$170,400.00	\$20.00	\$227,200.00
203.02	OVER-EXCAVATION	6,000	CY	\$ 15.00	\$90,000.00	\$1.00	\$6,000.00	\$5.00	\$30,000.00
212.01	LANDSCAPE RESTORATION	1	LS	\$ 20,000.00	\$20,000.00	\$25,000.00	\$25,000.00	\$16,827.00	\$16,827.00
302.01	TYPE II AGGREGATE BASE	10,499	CY	\$ 30.00	\$314,970.00	\$34.00	\$356,966.00	\$39.00	\$409,461.00
402.01	PLANTMIX BITUMINOUS SURFACE	13,117	TON	\$ 80.00	\$1,049,360.00	\$73.00	\$957,541.00	\$77.00	\$1,010,009.00
402.02	ASPHALT SIDEWALK	475	SF	\$ 5.00	\$2,375.00	\$9.00	\$4,275.00	\$20.00	\$9,500.00
412.01	SLURRY SEAL (TYPE III)	1,172	SY	\$ 5.00	\$5,860.00	\$9.00	\$10,548.00	\$9.00	\$10,548.00
412.02	SURFACE GRINDING	5	HOUR	\$135.00	\$675.00	\$170.00	\$850.00	\$174.00	\$870.00
412.03	ROLLING	5	HOUR	\$135.00	\$675.00	\$160.00	\$800.00	\$163.00	\$815.00
412.04	EXCESS RAVEL SWEEPING	5	HOUR	\$135.00	\$675.00	\$150.00	\$750.00	\$156.00	\$780.00
502.01	4' x 4' REINFORCED CONCRETE BOX	277	LF	\$ 215.00	\$59,555.00	\$600.00	\$166,200.00	\$464.00	\$128,528.00
502.02	5' x 4' REINFORCED CONCRETE BOX	246	LF	\$ 262.00	\$64,452.00	\$710.00	\$174,660.00	\$815.00	\$200,490.00
502.03	5' x 5' REINFORCED CONCRETE BOX	369	LF	\$ 330.00	\$121,770.00	\$700.00	\$258,300.00	\$563.00	\$207,747.00
502.04	6' x 4' REINFORCED CONCRETE BOX	704	LF	\$ 315.00	\$221,760.00	\$675.00	\$475,200.00	\$570.00	\$401,280.00
502.05	6' x 5' REINFORCED CONCRETE BOX	48	LF	\$ 600.00	\$28,800.00	\$1,175.00	\$56,400.00	\$1,138.00	\$54,624.00
502.06	12' x 4' REINFORCED CONCRETE BOX	2,928	LF	\$ 630.00	\$1,844,640.00	\$1,000.00	\$2,928,000.00	\$1,162.00	\$3,402,336.00
502.07	12' x 6' REINFORCED CONCRETE BOX	2,479	LF	\$ 943.00	\$2,337,697.00	\$1,010.00	\$2,503,790.00	\$1,178.00	\$2,920,262.00
502.08	TRANSITION STRUCTURE (5' x 5' TO 6' x 5')	1	EA	\$ 4,800.00	\$4,800.00	\$13,400.00	\$13,400.00	\$11,578.00	\$11,578.00
502.09	TRANSITION STRUCTURE (6' x 4' TO 4' x 4')	1	EA	\$ 5,400.00	\$5,400.00	\$25,500.00	\$25,500.00	\$17,922.00	\$17,922.00
502.10	JUNCTION STRUCTURE #1 (STA 27+25.46)	1	EA	\$ 21,000.00	\$21,000.00	\$43,000.00	\$43,000.00	\$43,047.00	\$43,047.00
502.11	JUNCTION STRUCTURE #2 (STA 40+43.39)	1	EA	\$ 24,750.00	\$24,750.00	\$58,500.00	\$58,500.00	\$81,194.00	\$81,194.00
502.12	JUNCTION STRUCTURE #3 (STA 53+57.26)	1	EA	\$ 21,750.00	\$21,750.00	\$43,000.00	\$43,000.00	\$48,377.00	\$48,377.00
502.13	JUNCTION STRUCTURE AT STA 67+11.15	1	EA	\$ 16,650.00	\$16,650.00	\$75,000.00	\$75,000.00	\$80,016.00	\$80,016.00
502.14	MANHOLE STRUCTURE #18	1	EA	\$ 8,400.00	\$8,400.00	\$13,900.00	\$13,900.00	\$22,777.00	\$22,777.00
502.15	NDOT TYPE 1 RCB HEADWALL	2	EA	\$ 8,000.00	\$16,000.00	\$10,000.00	\$20,000.00	\$9,769.00	\$19,538.00
502.16	NDOT RCP HEADWALL	1	EA	\$ 5,000.00	\$5,000.00	\$10,500.00	\$10,500.00	\$10,663.00	\$10,663.00

Project Name: Flamingo Diversion Rainbow Branch & Rainbow Boulevard, Sunset Road to Russell Road

Project Number: FCLA27C

BID ABSTRACT

Bid Number: 603667-15

Opening Date: July 10, 2015

L Number: L-1946 & L-1965

Item No.	Description	Quantity	Unit	Engineer's Estimate		Las Vegas Paving Corp		Contri Construction Company	
				Unit Price	Amount	Calc'd Unit Price	Amount	Calc'd Unit Price	Amount
502.17	CLOSURE WALL FOR 4' x 4' RCB (STA 100+35.00)	1	EA	\$ 450.00	\$450.00	\$2,500.00	\$2,500.00	\$3,379.00	\$3,379.00
502.18	CLOSURE WALL FOR 5' x 5' RCB (STA 85+35.00)	1	EA	\$ 600.00	\$600.00	\$2,500.00	\$2,500.00	\$3,379.00	\$3,379.00
502.19	CONFLUENCE AT STA 10+89.17	1	EA	\$ 1,000.00	\$1,000.00	\$4,450.00	\$4,450.00	\$7,034.00	\$7,034.00
502.20	CONCRETE ENCASE 36" SANITARY SEWER	46	LF	\$ 80.00	\$3,680.00	\$215.00	\$9,890.00	\$259.00	\$11,914.00
603.01	24-INCH RCP (CLASS III)	602	LF	\$ 100.00	\$60,200.00	\$160.00	\$96,320.00	\$470.00	\$282,940.00
603.02	30-INCH RCP (CLASS III)	514	LF	\$ 126.00	\$64,764.00	\$165.00	\$84,810.00	\$303.00	\$155,742.00
603.03	36-INCH RCP (CLASS III)	320	LF	\$ 180.00	\$57,600.00	\$233.00	\$74,560.00	\$614.00	\$196,480.00
603.04	42-INCH RCP (CLASS III)	61	LF	\$ 250.00	\$15,250.00	\$300.00	\$18,300.00	\$781.00	\$47,641.00
603.05	48-INCH RCP (CLASS III)	87	LF	\$ 280.00	\$24,360.00	\$340.00	\$29,580.00	\$486.00	\$42,282.00
603.06	54-INCH RCP (CLASS III)	584	LF	\$ 280.00	\$151,840.00	\$385.00	\$224,840.00	\$264.00	\$154,176.00
603.07	38-INCH x 24-INCH HE RCP (CLASS III)	100	LF	\$ 150.00	\$15,000.00	\$285.00	\$28,500.00	\$460.00	\$46,000.00
605.01	24" C-905 (DR-41) PVC PIPE	118	LF	\$ 285.00	\$33,630.00	\$200.00	\$23,600.00	\$525.00	\$61,950.00
605.02	30" C-905 (DR-41) PVC PIPE	151	LF	\$ 300.00	\$45,300.00	\$265.00	\$40,015.00	\$604.00	\$91,204.00
609.01	48-INCH RCB ACCESS MANHOLE	21	EA	\$ 2,200.00	\$46,200.00	\$3,300.00	\$69,300.00	\$3,590.00	\$75,390.00
609.02	48-INCH TYPE II STORM DRAIN MANHOLE	3	EA	\$ 7,500.00	\$22,500.00	\$8,500.00	\$25,500.00	\$11,465.00	\$34,395.00
609.03	60-INCH TYPE III STORM DRAIN MANHOLE	5	EA	\$ 7,700.00	\$38,500.00	\$8,900.00	\$44,500.00	\$11,679.00	\$58,395.00
609.04	15-FOOT TYPE CM2 DROP INLET	1	EA	\$ 15,410.00	\$15,410.00	\$18,900.00	\$18,900.00	\$21,203.00	\$21,203.00
609.05	5-FOOT TYPE DM2 DROP INLET	1	EA	\$ 7,870.00	\$7,870.00	\$6,900.00	\$6,900.00	\$14,194.00	\$14,194.00
609.06	10-FOOT TYPE DM2 DROP INLET	3	EA	\$ 11,000.00	\$33,000.00	\$12,500.00	\$37,500.00	\$23,364.00	\$70,092.00
609.07	12.5-FOOT TYPE DM2 DROP INLET	2	EA	\$ 12,000.00	\$24,000.00	\$13,800.00	\$27,600.00	\$25,002.00	\$50,004.00
609.08	15-FOOT TYPE DM2 DROP INLET	7	EA	\$ 13,450.00	\$94,150.00	\$14,800.00	\$103,600.00	\$22,486.00	\$157,402.00
609.09	20-FOOT TYPE DM2 DROP INLET	14	EA	\$ 17,200.00	\$240,800.00	\$18,400.00	\$257,600.00	\$29,733.00	\$416,262.00
609.10	22.5-FOOT TYPE DM2 DROP INLET	1	EA	\$ 19,075.00	\$19,075.00	\$20,500.00	\$20,500.00	\$30,136.00	\$30,136.00
609.11	25-FOOT TYPE DM2 DROP INLET	2	EA	\$ 20,950.00	\$41,900.00	\$21,400.00	\$42,800.00	\$30,843.00	\$61,686.00
610.01	HEAVY RIP RAP D50=18"	509	CY	\$ 75.00	\$38,175.00	\$90.00	\$45,810.00	\$104.00	\$52,936.00
613.01	TYPE L CURB AND GUTTER	1,986	LF	\$ 15.00	\$29,790.00	\$15.00	\$29,790.00	\$11.00	\$21,846.00
613.02	CONCRETE VALLEY GUTTER	1,036	SF	\$ 11.00	\$11,396.00	\$13.00	\$13,468.00	\$16.00	\$16,576.00
613.03	TACK-ON MEDIAN ISLAND	8,133	SF	\$ 12.00	\$109,596.00	\$6.00	\$54,798.00	\$7.00	\$63,931.00
613.04	CONCRETE SIDEWALK	1,640	SF	\$ 8.00	\$13,120.00	\$6.00	\$9,840.00	\$12.00	\$19,680.00
613.05	CAST-IN-PLACE DETECTABLE WARNING PANEL (5'x2')	3	EA	\$250.00	\$750.00	\$400.00	\$1,200.00	\$280.00	\$840.00
618.01	GALVANIZED GUARDRAIL (TRIPLE CORRUGATIONS)	236	LF	\$ 30.00	\$7,080.00	\$38.00	\$8,968.00	\$39.00	\$9,204.00
618.02	END TERMINAL (FLARED)	2	EA	\$ 3,000.00	\$6,000.00	\$2,500.00	\$5,000.00	\$2,580.00	\$5,160.00
619.01	MARKER POST (K-71)(YELLOW)	9	EA	\$ 250.00	\$2,250.00	\$197.00	\$1,773.00	\$206.00	\$1,854.00
619.02	MARKER POST (K-71)(WHITE)	2	EA	\$250.00	\$500.00	\$197.00	\$394.00	\$206.00	\$412.00
623.01	TRAFFIC SIGNAL MODIFICATION AT RAINBOW/SUNSET	1	LS	\$ 150,000.00	\$150,000.00	\$200,000.00	\$200,000.00	\$208,088.00	\$208,088.00
623.02	TRAFFIC SIGNAL MODIFICATION AT RAINBOW/PATRICK	1	LS	\$ 100,000.00	\$100,000.00	\$84,000.00	\$84,000.00	\$88,382.00	\$88,382.00
627.01	RELOCATE SIGN	3	EA	\$ 143.00	\$429.00	\$150.00	\$450.00	\$159.00	\$477.00
627.02	PERMANENT SIGN POST	11	EA	\$200.00	\$2,200.00	\$150.00	\$1,650.00	\$159.00	\$1,749.00
627.03	PERMANENT SIGN PANEL (W9-2L)(36"x36")	1	EA	\$250.00	\$250.00	\$150.00	\$150.00	\$159.00	\$159.00
627.04	PERMANENT SIGN PANEL (W4-2R) (36"x36")	1	EA	\$250.00	\$250.00	\$150.00	\$150.00	\$159.00	\$159.00
627.05	PERMANENT SIGN PANEL (R6-1R) (36"x12")	2	EA	\$150.00	\$300.00	\$150.00	\$300.00	\$159.00	\$318.00
627.06	PERMANENT SIGN PANEL (R3-7R) (36")	5	EA	\$150.00	\$750.00	\$150.00	\$750.00	\$159.00	\$795.00
627.07	PERMANENT SIGN PANEL (R3-5R) (30" x 36")	2	EA	\$150.00	\$300.00	\$150.00	\$300.00	\$159.00	\$318.00
627.08	PERMANENT SIGN PANEL (R5-1) (36")	2	EA	\$150.00	\$300.00	\$150.00	\$300.00	\$159.00	\$318.00
628.01	TYPE 2 MARKING FOR CROSSWALKS AND STOP BARS	4,512	SF	\$6.50	\$29,328.00	\$6.50	\$29,328.00	\$7.00	\$31,584.00

Project Name: Flamingo Diversion Rainbow Branch & Rainbow Boulevard, Sunset Road to Russell Road

Project Number: FCLA27C

BID ABSTRACT

Bid Number: 603657-15

Opening Date: July 10, 2015

L Number: L-1945 & L-1965

Item No.	Description	Quantity	Unit	Engineer's Estimate		Las Vegas Paving Corp		Contrl Construction Company	
				Unit Price	Amount	Calc'd Unit Price	Amount	Calc'd Unit Price	Amount
628.02	TYPE 2 (ARROW) MARKING	59	EA	\$160.00	\$9,440.00	\$160.00	\$9,440.00	\$168.00	\$9,912.00
628.03	TYPE 2 (ONLY) MARKING	2	EA	\$160.00	\$320.00	\$160.00	\$320.00	\$168.00	\$336.00
628.04	24-INCH SOLID WHITE CHEVRON (PAINT)	560	SF	\$3.00	\$1,680.00	\$1.50	\$840.00	\$2.00	\$1,120.00
628.05	TYPE 2 FILM TRANSITION (YELLOW)	674	SF	\$3.00	\$2,022.00	\$6.00	\$4,044.00	\$7.00	\$4,718.00
628.06	TYPE 1 FILM TRANSITION (WHITE)	50	SF	\$7.00	\$350.00	\$6.00	\$300.00	\$7.00	\$350.00
628.07	8-INCH SOLID WHITE LINE (PAINT)	585	LF	\$2.00	\$1,170.00	\$1.00	\$585.00	\$1.00	\$585.00
628.08	4-INCH SOLID WHITE EDGE LINE (POLYUREA)	10,860	LF	\$2.00	\$21,720.00	\$0.60	\$6,516.00	\$1.00	\$10,860.00
628.09	MEDIAN ISLAND PAINT (YELLOW)	2,919	SF	\$ 1.00	\$2,919.00	\$1.00	\$2,919.00	\$1.00	\$2,919.00
628.1	MEDIAN ISLAND PAINT (WHITE)	44	SF	\$1.50	\$66.00	\$1.00	\$44.00	\$1.00	\$44.00
629.01	RELOCATE 8" WATERLINE AT "RB" 26+34	1	LS	\$ 30,000.00	\$30,000.00	\$61,600.00	\$61,600.00	\$167,054.00	\$167,054.00
629.02	RELOCATE 12" WATERLINE AT "RB" 39+63	1	LS	\$ 32,500.00	\$32,500.00	\$48,000.00	\$48,000.00	\$103,022.00	\$103,022.00
629.03	RELOCATE 12" WATERLINE AT "RB" 60+50	1	LS	\$ 18,000.00	\$18,000.00	\$32,800.00	\$32,800.00	\$32,654.00	\$32,654.00
629.04	RELOCATE 1" WATERLINE AT "RB" 62+86	1	LS	\$ 9,000.00	\$9,000.00	\$8,200.00	\$8,200.00	\$24,334.00	\$24,334.00
629.05	RELOCATE 6" WATERLINE AT "PR" 121+69	1	LS	\$ 12,000.00	\$12,000.00	\$11,500.00	\$11,500.00	\$37,034.00	\$37,034.00
629.06	RELOCATE 8" WATERLINE AT "PR" 121+77	1	LS	\$ 14,000.00	\$14,000.00	\$12,200.00	\$12,200.00	\$36,045.00	\$36,045.00
629.07	RELOCATE 12" WATERLINE AT RUSSELL ROAD	1	LS	\$ 87,500.00	\$87,500.00	\$212,000.00	\$212,000.00	\$371,170.00	\$371,170.00
629.08	VERTICALLY ADJUST WATER VALVE	9	EA	\$ 3,000.00	\$27,000.00	\$650.00	\$5,850.00	\$1,182.00	\$10,638.00
630.01	12-INCH C900 PVC SANITARY SEWER PIPE	1,025	LF	\$ 175.00	\$179,375.00	\$136.00	\$139,400.00	\$192.00	\$196,800.00
630.02	CONNECT EXISTING SEWER LATERAL TO PROPOSED SEWER	3	EA	\$ 1,250.00	\$3,750.00	\$5,100.00	\$15,300.00	\$7,136.00	\$21,408.00
630.03	ABANDON EXISTING 6-INCH SANITARY SEWER LINE	220	LF	\$ 25.00	\$5,500.00	\$15.00	\$3,300.00	\$18.00	\$3,960.00
630.04	48-INCH SANITARY SEWER MANHOLE	3	EA	\$ 10,000.00	\$30,000.00	\$5,000.00	\$15,000.00	\$12,858.00	\$38,574.00
630.05	60-INCH SANITARY SEWER MANHOLE	1	EA	\$ 12,000.00	\$12,000.00	\$6,300.00	\$6,300.00	\$15,376.00	\$15,376.00
630.06	72-INCH SANITARY SEWER MANHOLE	1	EA	\$ 15,000.00	\$15,000.00	\$245,000.00	\$245,000.00	\$180,868.00	\$180,868.00
630.07	ADJUST SANITARY SEWER MANHOLE TO GRADE	8	EA	\$ 732.00	\$5,856.00	\$800.00	\$6,400.00	\$1,717.00	\$13,736.00
630.08	ADJUST LINED SANITARY SEWER MANHOLE TO GRADE	2	EA	\$ 8,200.00	\$16,400.00	\$2,250.00	\$4,500.00	\$3,119.00	\$6,238.00
633.01	NON-REFLECTIVE PAVEMENT MARKERS	3,200	EA	\$2.50	\$8,000.00	\$2.50	\$8,000.00	\$2.00	\$6,400.00
633.02	REFLECTIVE PAVEMENT MARKERS	1,350	EA	\$3.00	\$4,050.00	\$2.50	\$3,375.00	\$2.00	\$2,700.00
637.01	DUST CONTROL	420	DAY	\$ 175.00	\$73,500.00	\$330.00	\$138,600.00	\$145.00	\$60,900.00
680.01	FAST ITS INFRASTRUCTURE RELOCATION ("RB" STA 41+33.98, 56' LEFT)	1	LS	\$ 1,000.00	\$1,000.00	\$13,000.00	\$13,000.00	\$13,473.00	\$13,473.00
680.02	FAST ITS INFRASTRUCTURE RELOCATION ("RB" STA 60+65.28, 51.5' LEFT)	1	LS	\$ 5,000.00	\$5,000.00	\$13,000.00	\$13,000.00	\$13,473.00	\$13,473.00
680.03	FAST ITS INFRASTRUCTURE RELOCATION ("RB" STA 65+10.68, 48' LEFT)	1	LS	\$ 5,000.00	\$5,000.00	\$13,000.00	\$13,000.00	\$13,473.00	\$13,473.00
680.04	FAST ITS INFRASTRUCTURE RELOCATION ("PR" STA 122+82.64, 18' LEFT)	1	LS	\$ 1,000.00	\$1,000.00	\$16,500.00	\$16,500.00	\$17,130.00	\$17,130.00
ACTUAL TOTAL OF ITEMS					\$10,084,269.00		\$12,619,186.00		\$15,346,292.00
TOTAL SHOWN ON BID SUMMARY					NA		\$12,961,486.00		\$15,346,292.00
ERROR					NA		-\$342,300.00		\$0.00

Project Name: Flamingo Diversion Rainbow Branch & Rainbow Boulevard, Sunset Road to Russell Road

FUNDING BREAKDOWN

Project Number: FCLA27C

Bid Number: 603657-15

Opening Date: July 10, 2015

L Number: L-1945 & L-1965

Amended on August 16, 2017

Item No.	Description	Quantity	Unit	Las Vegas Paving Corp.		CCRFCD		RTC	
				Unit Price	Amount	Quantity	Amount	Quantity	Amount
107.01	TRAFFIC CONTROL	420	DAY	\$0.00	\$ -	400	\$ -	20	\$ -
109.01	CONSTRUCTION CONFLICTS AND ADDITIONAL WORK	1	LS	\$450,000.00	\$ 450,000.00	0.815	\$ 366,750.00	0.185	\$ 83,250.00
109.02	HISTORICAL OWNER CAUSED DELAY ALLOWANCE	15	DAY	\$500.00	\$ 7,500.00	12	\$ 6,112.50	3	\$ 1,387.50
109.03	ADDITIONAL AMMOUNT OVER \$500 / DAY AS DETERMINED BY BIDDER	15	DAY	\$500.00	\$ 7,500.00	12	\$ 6,112.50	3	\$ 1,387.50
200.01	MOBILIZATION	1	LS	\$475,000.00	\$ 475,000.00	0.815	\$ 387,125.00	0.185	\$ 87,875.00
201.01	CLEARING AND GRUBBING	3	ACRE	\$1,750.00	\$ 5,250.00	2	\$ 4,278.75	1	\$ 971.25
202.01	REMOVE STORM DRAIN PIPE	482	LF	\$45.00	\$ 21,690.00	393	\$ 17,677.35	89	\$ 4,012.65
202.02	REMOVE HEADWALL	3	EA	\$2,400.00	\$ 7,200.00	2	\$ 5,868.00	1	\$ 1,332.00
202.03	REMOVE DROP INLET	3	EA	\$1,700.00	\$ 5,100.00	2	\$ 4,156.50	1	\$ 943.50
202.04	REMOVE STORM DRAIN MANHOLE	4	EA	\$1,250.00	\$ 5,000.00	3	\$ 4,075.00	1	\$ 925.00
202.05	ABANDON STORM DRAIN	4471	LF	\$24.00	\$ 107,304.00	3,644	\$ 87,452.78	827	\$ 19,851.24
202.06	ABANDON STORM DRAIN MANHOLE	15	EA	\$1,700.00	\$ 25,500.00	12	\$ 20,782.50	3	\$ 4,717.50
202.07	REMOVE ASPHALT PAVEMENT	21920	SY	\$11.00	\$ 241,120.00	17,865	\$ 196,512.80	4,055	\$ 44,607.20
202.08	REMOVE CONCRETE VALLEY GUTTER	1036	SF	\$5.00	\$ 5,180.00			1,036	\$ 5,180.00
202.09	REMOVE MEDIAN ISLAND	2753	SF	\$3.00	\$ 8,259.00			2,753	\$ 8,259.00
202.1	REMOVE SIGN	23	EA	\$48.00	\$ 1,104.00			23	\$ 1,104.00
202.11	REMOVE GUARDRAIL	385	LF	\$6.00	\$ 2,310.00			385	\$ 2,310.00
202.12	REMOVE TRAFFIC SIGNAL	1	EA	\$1,040.00	\$ 1,040.00			1	\$ 1,040.00
202.13	REMOVE ASPHALT SIDEWALK	3832	SF	\$1.00	\$ 3,832.00	0	\$ -	3,832	\$ 3,832.00
203.01	ROADWAY EXCAVATION	11360	CY	\$15.00	\$ 170,400.00			11,360	\$ 170,400.00
203.02	OVER-EXCAVATION	6000	CY	\$1.00	\$ 6,000.00	4,890	\$ 4,890.00	1,110	\$ 1,110.00
212.01	LANDSCAPE RESTORATION	1	LS	\$25,000.00	\$ 25,000.00	1	\$ 20,375.00	0	\$ 4,625.00
302.01	TYPE II AGGREGATE BASE	10499	CY	\$34.00	\$ 356,966.00			10,499	\$ 356,966.00
402.01	PLANTMIX BITUMINOUS SURFACE	13117	TON	\$73.00	\$ 957,541.00			13,117	\$ 957,541.00
402.02	ASPHALT SIDEWALK	475	SF	\$9.00	\$ 4,275.00	0	\$ -	475	\$ 4,275.00
412.01	SLURRY SEAL (TYPE III)	1172	SY	\$9.00	\$ 10,548.00	0	\$ -	1,172	\$ 10,548.00
412.02	SURFACE GRINDING	5	HOUR	\$170.00	\$ 850.00	0	\$ -	5	\$ 850.00
412.03	ROLLING	5	HOUR	\$160.00	\$ 800.00	0	\$ -	5	\$ 800.00

Project Name: Flamingo Diversion Rainbow Branch & Rainbow Boulevard, Sunset Road to Russell Road

FUNDING BREAKDOWN

Project Number: FCLA27C

Bid Number: 603657-15

Opening Date: July 10, 2015

L Number: L-1945 & L-1965

Amended on August 16, 2017

Item No.	Description	Quantity	Unit	Las Vegas Paving Corp.		CCRFCD		RTC	
				Unit Price	Amount	Quantity	Amount	Quantity	Amount
412.04	EXCESS RAVEL SWEEPING	5	HOUR	\$150.00	\$ 750.00	0	\$ -	5	\$ 750.00
502.01	4' x 4' REINFORCED CONCRETE BOX	277	LF	\$600.00	\$ 166,200.00	226	\$ 135,453.00	51	\$ 30,747.00
502.02	5' x 4' REINFORCED CONCRETE BOX	246	LF	\$710.00	\$ 174,660.00	200	\$ 142,347.90	46	\$ 32,312.10
502.03	5' x 5' REINFORCED CONCRETE BOX	369	LF	\$700.00	\$ 258,300.00	301	\$ 210,514.50	68	\$ 47,785.50
502.04	6' x 4' REINFORCED CONCRETE BOX	704	LF	\$675.00	\$ 475,200.00	574	\$ 387,288.00	130	\$ 87,912.00
502.05	6' x 5' REINFORCED CONCRETE BOX	48	LF	\$1,175.00	\$ 56,400.00	39	\$ 45,966.00	9	\$ 10,434.00
502.06	12' x 4' REINFORCED CONCRETE BOX	2928	LF	\$1,000.00	\$ 2,928,000.00	2,566	\$ 2,566,320.00	362	\$ 361,680.00
502.07	12' x 6' REINFORCED CONCRETE BOX	2479	LF	\$1,010.00	\$ 2,503,190.00	2,020	\$ 2,040,566.00	459	\$ 462,624.00
502.08	TRANSITION STRUCTURE (5' x 5' TO 6' x 5')	1	EA	\$13,400.00	\$ 13,400.00	1	\$ 10,921.00	0	\$ 2,479.00
502.09	TRANSITION STRUCTURE (6' x 4' TO 4' x 4')	1	EA	\$25,500.00	\$ 25,500.00	1	\$ 20,782.50	0	\$ 4,717.50
502.1	JUNCTION STRUCTURE #1 (STA 27+25.46)	1	EA	\$43,000.00	\$ 43,000.00	1	\$ 35,045.00	0	\$ 7,955.00
502.11	JUNCTION STRUCTURE #2 (STA 40+43.39)	1	EA	\$58,500.00	\$ 58,500.00	1	\$ 47,877.50	0	\$ 10,622.50
502.12	JUNCTION STRUCTURE #3 (STA 53+57.26)	1	EA	\$43,000.00	\$ 43,000.00	1	\$ 35,045.00	0	\$ 7,955.00
502.13	JUNCTION STRUCTURE AT STA 67+11.15	1	EA	\$75,000.00	\$ 75,000.00	1	\$ 61,125.00	0	\$ 13,875.00
502.14	MANHOLE STRUCTURE #18	1	EA	\$13,900.00	\$ 13,900.00	1	\$ 11,328.50	0	\$ 2,571.50
502.15	NDOT TYPE 1 RCBHEADWALL	2	EA	\$10,000.00	\$ 20,000.00	2	\$ 16,300.00	0	\$ 3,700.00
502.16	NDOT RCP HEADWALL	1	EA	\$10,500.00	\$ 10,500.00	1	\$ 8,557.50	0	\$ 1,942.50
502.17	CLOSURE WALL FOR 4' x 4' RCB (STA 100+35.00)	1	EA	\$2,500.00	\$ 2,500.00	1	\$ 2,037.50	0	\$ 462.50
502.18	CLOSURE WALL FOR 5' x 5' RCB (STA 85+35.00)	1	EA	\$2,500.00	\$ 2,500.00	1	\$ 2,037.50	0	\$ 462.50
502.19	CONFLUENCE AT STA 10+89.17	1	EA	\$4,450.00	\$ 4,450.00	1	\$ 3,628.75	0	\$ 821.25
502.2	CONCRETE ENCASE 36" SANITARY SEWER	46	LF	\$215.00	\$ 9,890.00	37	\$ 8,060.35	9	\$ 1,829.65
603.01	24-INCH RCP (CLASS III)	602	LF	\$160.00	\$ 96,320.00	491	\$ 78,500.80	111	\$ 17,819.20
603.02	30-INCH RCP (CLASS III)	514	LF	\$165.00	\$ 84,810.00	419	\$ 69,120.15	95	\$ 15,689.85
603.03	36-INCH RCP (CLASS III)	320	LF	\$233.00	\$ 74,560.00	261	\$ 60,766.40	59	\$ 13,793.60
603.04	42-INCH RCP (CLASS III)	61	LF	\$300.00	\$ 18,300.00	50	\$ 14,914.50	11	\$ 3,385.50
603.05	48-INCH RCP (CLASS III)	87	LF	\$340.00	\$ 29,580.00	71	\$ 24,107.70	16	\$ 5,472.30
603.06	54-INCH RCP (CLASS III)	584	LF	\$385.00	\$ 224,840.00	476	\$ 183,244.60	108	\$ 41,595.40
603.07	38-INCH x 24-INCH HE RCP (CLASS III)	100	LF	\$285.00	\$ 28,500.00	82	\$ 23,227.50	19	\$ 5,272.50

Project Name: Flamingo Diversion Rainbow Branch & Rainbow Boulevard, Sunset Road to Russell Road

FUNDING BREAKDOWN

Project Number: FCLA27C

Bid Number: 603657-15

Opening Date: July 10, 2015

L Number: L-1945 & L-1965

Amended on August 16, 2017

Item No.	Description	Quantity	Unit	Las Vegas Paving Corp.		CCRCD		RTC	
				Unit Price	Amount	Quantity	Amount	Quantity	Amount
605.01	24" C-905 (DR-41) PVC PIPE	118	LF	\$200.00	\$ 23,800.00	96	\$ 19,234.00	22	\$ 4,366.00
605.02	30" C-905 (DR-41) PVC PIPE	151	LF	\$265.00	\$ 40,015.00	123	\$ 32,612.23	28	\$ 7,402.78
609.01	48-INCH RCB ACCESS MANHOLE	21	EA	\$3,300.00	\$ 69,300.00	17	\$ 56,479.50	4	\$ 12,820.50
609.02	48-INCH TYPE II STORM DRAIN MANHOLE	3	EA	\$8,500.00	\$ 25,500.00	2	\$ 20,762.50	1	\$ 4,717.50
609.03	60-INCH TYPE III STORM DRAIN MANHOLE	5	EA	\$8,900.00	\$ 44,500.00	4	\$ 36,267.50	1	\$ 8,232.50
609.04	15-FOOT TYPE CM2 DROP INLET	1	EA	\$18,900.00	\$ 18,900.00	1	\$ 15,403.50	0	\$ 3,496.50
609.05	5-FOOT TYPE DM2 DROP INLET	1	EA	\$6,900.00	\$ 6,900.00	1	\$ 5,623.50	0	\$ 1,276.50
609.06	10-FOOT TYPE DM2 DROP INLET	3	EA	\$12,500.00	\$ 37,500.00	2	\$ 30,582.50	1	\$ 6,937.50
609.07	12.5-FOOT TYPE DM2 DROP INLET	2	EA	\$13,800.00	\$ 27,600.00	2	\$ 22,494.00	0	\$ 5,106.00
609.08	15-FOOT TYPE DM2 DROP INLET	7	EA	\$14,800.00	\$ 103,600.00	6	\$ 84,434.00	1	\$ 19,166.00
609.09	20-FOOT TYPE DM2 DROP INLET	14	EA	\$18,400.00	\$ 257,600.00	11	\$ 209,944.00	3	\$ 47,656.00
609.1	22.5-FOOT TYPE DM2 DROP INLET	1	EA	\$20,500.00	\$ 20,500.00	1	\$ 18,707.50	0	\$ 3,792.50
609.11	25-FOOT TYPE DM2 DROP INLET	2	EA	\$21,400.00	\$ 42,800.00	2	\$ 34,882.00	0	\$ 7,918.00
610.01	HEAVY RIP RAP D50=18"	509	CY	\$90.00	\$ 45,810.00	415	\$ 37,335.15	94	\$ 8,474.85
613.01	TYPE L CURB AND GUTTER	1986	LF	\$15.00	\$ 29,790.00			1,986	\$ 29,790.00
613.02	CONCRETE VALLEY GUTTER	1036	SF	\$13.00	\$ 13,468.00			1,036	\$ 13,468.00
613.03	TACK-ON MEDIAN ISLAND	9133	SF	\$6.00	\$ 54,798.00			9,133	\$ 54,798.00
613.04	CONCRETE SIDEWALK	1640	SF	\$6.00	\$ 9,840.00	0	\$ -	1,640	\$ 9,840.00
613.05	CAST-IN-PLACE DETECTABLE WARNING PANEL (5'x2')	3	EA	\$400.00	\$ 1,200.00			3	\$ 1,200.00
618.01	GALVANIZED GUAFDRAIL (TRIPLE CORRUGATIONS)	236	LF	\$38.00	\$ 8,968.00			236	\$ 8,968.00
618.02	END TERMINAL (FLARED)	2	EA	\$2,500.00	\$ 5,000.00			2	\$ 5,000.00
619.01	MARKER POST (K-71)(YELLOW)	9	EA	\$197.00	\$ 1,773.00			9	\$ 1,773.00
619.02	MARKER POST (K-71)(WHITE)	2	EA	\$197.00	\$ 394.00	0	\$ -	2	\$ 394.00
623.01	TRAFFIC SIGNAL MODIFICATION AT RAINBOW/SUNSET	1	LS	\$200,000.00	\$ 200,000.00	0	\$ -	1	\$ 200,000.00
623.02	TRAFFIC SIGNAL MODIFICATION AT RAINBOW/PATRICK	1	LS	\$84,000.00	\$ 84,000.00	0	\$ -	1	\$ 84,000.00
627.01	RELOCATE SIGN	3	EA	\$150.00	\$ 450.00			3	\$ 450.00
627.02	PERMANENT SIGN POST	11	EA	\$150.00	\$ 1,650.00	0	\$ -	11	\$ 1,650.00
627.03	PERMANENT SIGN PANEL (W9-2L)(36"X36")	1	EA	\$150.00	\$ 150.00	0	\$ -	1	\$ 150.00

Project Name: Flamingo Diversion Rainbow Branch & Rainbow Boulevard, Sunset Road to Russell Road

FUNDING BREAKDOWN

Project Number: FCLA27C

Bid Number: 603657-15

Opening Date: July 10, 2015

L Number: L-1945 & L-1965

Amended on August 16, 2017

Item No.	Description	Quantity	Unit	Las Vegas Paving Corp.		CCRFCD		RTC	
				Unit Price	Amount	Quantity	Amount	Quantity	Amount
627.04	PERMANENT SIGN PANEL (W4-2R) (36"X36")	1	EA	\$150.00	\$ 150.00	0	\$ -	1	\$ 150.00
627.05	PERMANENT SIGN PANEL (R6-1R) (36"X12")	2	EA	\$150.00	\$ 300.00	0	\$ -	2	\$ 300.00
627.06	PERMANENT SIGN PANEL (R3-7R) (36")	5	EA	\$150.00	\$ 750.00	0	\$ -	5	\$ 750.00
627.07	PERMANENT SIGN PANEL (R3-5R) (30" x 36")	2	EA	\$150.00	\$ 300.00	0	\$ -	2	\$ 300.00
627.08	PERMANENT SIGN PANEL (R5-1) (36")	2	EA	\$150.00	\$ 300.00	0	\$ -	2	\$ 300.00
628.01	TYPE 2 MARKING FOR CROSSWALKS AND STOP BARS	4512	SF	\$6.50	\$ 29,328.00	0	\$ -	4,512	\$ 29,328.00
628.02	TYPE 2 (ARROW) MARKING	59	EA	\$160.00	\$ 9,440.00	0	\$ -	59	\$ 9,440.00
628.03	TYPE 2 (ONLY) MARKING	2	EA	\$160.00	\$ 320.00	0	\$ -	2	\$ 320.00
628.04	24-INCH SOLID WHITE CHEVRON (PAINT)	560	SF	\$1.50	\$ 840.00	0	\$ -	560	\$ 840.00
628.05	TYPE 2 FILM TRANSITION (YELLOW)	674	SF	\$6.00	\$ 4,044.00	0	\$ -	674	\$ 4,044.00
628.06	TYPE 1 FILM TRANSITION (WHITE)	50	SF	\$6.00	\$ 300.00	0	\$ -	50	\$ 300.00
628.07	8-INCH SOLID WHITE LINE (PAINT)	585	LF	\$1.00	\$ 585.00	0	\$ -	585	\$ 585.00
628.08	4-INCH SOLID WHITE EDGE LINE (POLYUREA)	10860	LF	\$0.60	\$ 6,516.00	0	\$ -	10,860	\$ 6,516.00
628.09	MEDIAN ISLAND PAINT (YELLOW)	2919	SF	\$1.00	\$ 2,919.00			2,919	\$ 2,919.00
628.1	MEDIAN ISLAND PAINT (WHITE)	44	SF	\$1.00	\$ 44.00	0	\$ -	44	\$ 44.00
629.01	RELOCATE 8" WATERLINE AT "RB" 26+34	1	LS	\$61,800.00	\$ 61,800.00	1	\$ 50,204.00	0	\$ 11,396.00
629.02	RELOCATE 12" WATERLINE AT "RB" 39+63	1	LS	\$48,000.00	\$ 48,000.00	1	\$ 39,120.00	0	\$ 8,880.00
629.03	RELOCATE 12" WATERLINE AT "RB" 60+50	1	LS	\$32,800.00	\$ 32,800.00	1	\$ 26,732.00	0	\$ 6,068.00
629.04	RELOCATE 1" WATERLINE AT "RB" 62+86	1	LS	\$8,200.00	\$ 8,200.00	1	\$ 6,683.00	0	\$ 1,517.00
629.05	RELOCATE 6" WATERLINE AT "PR" 121+69	1	LS	\$11,500.00	\$ 11,500.00	1	\$ 9,372.50	0	\$ 2,127.50
629.06	RELOCATE 8" WATERLINE AT "PR" 121+77	1	LS	\$12,200.00	\$ 12,200.00	1	\$ 9,943.00	0	\$ 2,257.00
629.07	RELOCATE 12" WATERLINE AT RUSSELL ROAD	1	LS	\$212,000.00	\$ 212,000.00	1	\$ 172,780.00	0	\$ 39,220.00
629.08	VERTICALLY ADJUST WATER VALVE	9	EA	\$650.00	\$ 5,850.00	7	\$ 4,767.75	2	\$ 1,082.25
630.01	12-INCH C900 PVC SANITARY SEWER PIPE	1025	LF	\$136.00	\$ 139,400.00	835	\$ 113,611.00	190	\$ 25,789.00
630.02	CONNECT EXISTING SEWER LATERAL TO PROPOSED SEWER	3	EA	\$5,100.00	\$ 15,300.00	2	\$ 12,489.50	1	\$ 2,830.50
630.03	ABANDON EXISTING 6-INCH SANITARY SEWER LINE	220	LF	\$15.00	\$ 3,300.00	179	\$ 2,689.50	41	\$ 610.50
630.04	48-INCH SANITARY SEWER MANHOLE	3	EA	\$5,000.00	\$ 15,000.00	2	\$ 12,225.00	1	\$ 2,775.00
630.05	60-INCH SANITARY SEWER MANHOLE	1	EA	\$6,300.00	\$ 6,300.00	1	\$ 5,134.50	0	\$ 1,165.50

Project Name: Flamingo Diversion Rainbow Branch & Rainbow Boulevard, Sunset Road to Russell Road

FUNDING BREAKDOWN

Project Number: FCLA27C

Bid Number: 603657-15

Opening Date: July 10, 2015

L Number: L-1945 & L-1965

Amended on August 16, 2017

Item No.	Description	Quantity	Unit	Las Vegas Paving Corp.		CCRCD		RTC	
				Unit Price	Amount	Quantity	Amount	Quantity	Amount
630.06	72-INCH SANITARY SEWER MANHOLE	1	EA	\$245,000.00	\$ 245,000.00	1	\$ 199,675.00	0	\$ 45,325.00
630.07	ADJUST SANITARY SEWER MANHOLE TO GRADE	8	EA	\$800.00	\$ 6,400.00	7	\$ 5,216.00	1	\$ 1,184.00
630.08	ADJUST LINED SANITARY SEWER MANHOLE TO GRADE	2	EA	\$2,250.00	\$ 4,500.00	2	\$ 3,667.50	0	\$ 832.50
633.01	NON-REFLECTIVE PAVEMENT MARKERS	3200	EA	\$2.50	\$ 8,000.00	0	\$ -	3,200	\$ 8,000.00
633.02	REFLECTIVE PAVEMENT MARKERS	1350	EA	\$2.50	\$ 3,375.00	0	\$ -	1,350	\$ 3,375.00
637.01	DUST CONTROL	420	DAY	\$330.00	\$ 138,600.00	342	\$ 112,959.00	78	\$ 25,641.00
680.01	FAST ITS INFRASTRUCTURE RELOCATION ("RB" STA 41+33.98, 56' LEFT)	1	LS	\$13,000.00	\$ 13,000.00	1	\$ 10,595.00	0	\$ 2,405.00
680.02	FAST ITS INFRASTRUCTURE RELOCATION ("RB" STA 60+65.29, 51.5' LEFT)	1	LS	\$13,000.00	\$ 13,000.00	1	\$ 10,595.00	0	\$ 2,405.00
680.03	FAST ITS INFRASTRUCTURE RELOCATION ("RB" STA 65+10.68, 49' LEFT)	1	LS	\$13,000.00	\$ 13,000.00	1	\$ 10,595.00	0	\$ 2,405.00
680.04	FAST ITS INFRASTRUCTURE RELOCATION ("PR" STA 122+82.64, 18' LEFT)	1	LS	\$16,500.00	\$ 16,500.00	1	\$ 13,447.50	0	\$ 3,052.50
ACTUAL TOTAL OF ITEMS					\$ 12,619,186.00		\$ 8,832,316.29		\$ 3,786,869.72

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

TOWN WASH – MESA BOULEVARD, EL DORADO TO TOWN WASH
INTERLOCAL CONTRACT – MES01E17

RECOMMENDATION SUMMARY

STAFF:

Approve subject to approval of the Ten Year Construction Program Amendment item on this agenda.

TECHNICAL ADVISORY:

Approve subject to approval of the Ten Year Construction Program Amendment item on this agenda.

CITIZENS ADVISORY:

Approve subject to approval of the Ten Year Construction Program Amendment item on this agenda.

RFCD AGENDA
ITEM #15
DATE: 09/14/17

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT
AGENDA ITEM

SUBJECT:
TOWN WASH – MESA BOULEVARD, EL DORADO TO TOWN WASH
PETITIONER:
BILL TANNER – PUBLIC WORKS DIRECTOR, CITY OF MESQUITE
RECOMMENDATION OF PETITIONER:
THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT APPROVE AN INTERLOCAL CONTRACT FOR DESIGN FOR TOWN WASH – MESA BOULEVARD, EL DORADO TO TOWN WASH – MES01E17 (FOR POSSIBLE ACTION)

FISCAL IMPACT: Design Engineering \$340,303.00

BACKGROUND:

It is the City's intent to construct a new storm drain system in the northeast portion of Mesquite to protect against flood events. The El Dorado to Town Wash project is identified in the 2012 City of Mesquite Flood Control Master Plan Update as Structure(s) No.(s) TWMB 0000, 0022, 0024 and 0044 and TOWA 0120. The project consists of the design of approximately 2,200 linear feet of 12 feet wide concrete channel and approximately 500 linear feet of 12 feet by 7 feet reinforced concrete box. Please refer to Exhibit "A" for the general project location.

Design for the El Dorado to Town Wash storm drain project is included in Year 1 of the Ten-Year Construction Program.

Respectfully submitted,


Bill Tanner, Director of Public Works
City of Mesquite

TAC AGENDA ITEM # 14 Date: 8/31/17	RFCD AGENDA ITEM # 15 Date: 9/14/17
CAC AGENDA ITEM # 14 Date: 8/31/17	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 08/21/17

TOWN WASH – MESA BOULEVARD, EL DORADO TO TOWN WASH
INTERLOCAL CONTRACT – MES01E17

The City of Mesquite has submitted a request to approve an interlocal contract for design engineering for the Town Wash – Mesa Boulevard, El Dorado to Town Wash project described in the 2012 Master Plan Update as Facility Numbers TWMB 0000, 0022, 0024 and 0044 and TOWA 0120 with design scheduled to begin in FY 2017-18. The project consists of the design of approximately 2,200 linear feet of 12 feet wide concrete channel and approximately 500 linear feet of 12 feet by 7 feet reinforced concrete box.

District funding will be provided as follows:

Design Engineering	\$340,303
Total ILC Value	\$340,303

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
#14 Date: 08/31/17

Recommendation:

Approve subject to approval of the Ten Year Construction Program Amendment item on this agenda.

Discussion by Citizens Advisory Committee:

AGENDA
#14 Date: 08/31/17

Recommendation:

Approve subject to approval of the Ten Year Construction Program Amendment item on this agenda.

TOWN WASH – MESA BOULEVARD, EL DORADO TO TOWN WASH
INTERLOCAL CONTRACT

THIS INTERLOCAL CONTRACT made and entered into as of the ____ day of _____, 2017 by and between the Clark County Regional Flood Control District, hereinafter referred to as “DISTRICT”, and City of Mesquite, a political subdivision of the State of Nevada 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 2012 City of Mesquite Flood Control Master Plan Update as Structure(s) No.(s) TWMB 0000, 0022, 0024 and 0044, and TOWA 0120, hereinafter referred to as “PROJECT”; and

WHEREAS, the PROJECT is identified and shown on the attached Exhibit “A”; and

WHEREAS, the PROJECT has been approved by the DISTRICT on its annual Ten Year Construction Program; and

WHEREAS, the PROJECT has regional flood control significance and is located in the same hydrographic area as the Town Wash system.

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

This INTERLOCAL CONTRACT applies to design associated with the Town Wash – Mesa Boulevard, El Dorado to Town Wash storm drain system. The basic improvements shall consist of approximately 2,200 linear feet of 12 feet wide concrete channel and approximately 500 linear feet of 12 feet by 7 feet reinforced concrete box 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 II - PROJECTS COSTS

The DISTRICT agrees to fund project costs within the limits specified below:

1. Design Engineering shall not exceed \$340,303.00.
2. The total cost of this Contract shall not exceed \$343,303.00 which includes paragraph one above.
3. 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.
4. 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.
5. 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 CITY will comply with the Local Purchasing Act, Chapter 332 and Public Works Projects, Chapter 338, of the Nevada Revised Statutes.
3. The CITY, 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.
4. The CITY will require appropriate financial security for the construction of the PROJECT.
5. The CITY shall provide all impacted entities and the DISTRICT with the opportunity to provide the CITY 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.

6. Applicable portions of the current editions of the Policies and Procedures, the Hydrologic Criteria and Drainage Design Manual, and Uniform Regulations for the Control of Drainage adopted by the DISTRICT will apply in developing this PROJECT unless specifically superseded by this CONTRACT.
7. 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 CITY. Revenues derived from the sale of these properties, less the cost of the sale of these properties, will be forwarded to the DISTRICT.
8. Administrative settlements and acceptance of counter offers involving right-of-way may only be made following a review and approval by the DISTRICT.
9. The DISTRICT will pay the CITY, 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 Lead 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.
10. Accurate documentation of all work performed and payments made will be maintained by the CITY for a period of three (3) years in hard copy form after final project approval and payment. Following the three year period, the CITY shall keep records for permanent storage in original form, in microfilm/fiche media, or an electronic format.
11. The DISTRICT reserves the right to review and/or audit all records pertaining to all projects both during and after project completion.
12. Up to the limits set forth in NRS Chapter 41, the CITY will indemnify and defend the DISTRICT against and from any and all claims and demands of whatsoever nature which arises out of allegations of negligence or misconduct of CITY officers, employees or agents, related to or under this Contract which results from

injury to or death of any persons whomsoever, or against and from damage to or loss or destruction of property.

13. Any costs found to be improperly allocated to this PROJECT will be refunded by the CITY to the DISTRICT.

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14. The items covered in SECTION II - PROJECT COSTS must be completed to the satisfaction of the DISTRICT prior to September 30, 2018. The DISTRICT may, at any time thereafter, grant extensions or terminate this CONTRACT after thirty (30) days notice.

Date of District Action: REGIONAL FLOOD CONTROL DISTRICT

BY: _____
LAWRENCE L. BROWN, III, Chairman

ATTEST:

Deanna Hughes, Board Secretary

Approved as to Form:

BY: _____
CHRISTOPHER FIGGINS
Chief Deputy District Attorney

Date of Council Action: CITY OF MESQUITE

Allan S. Litman, Mayor

ATTEST

Tracy E. Beck, City Clerk

APPROVED AS TO FORM

Robert Sweetin, City Attorney



Legend

- Existing_Facilities
- Future_Improvements
- Proposed_Improvements

**CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT**

AGENDA ITEM

SUBJECT:

**BRENT DRAINAGE SYSTEM – FLOYD LAMB PARK TO DURANGO DRIVE
CONSTRUCTION CHANGE ORDER NO. 1 – LAS22T15**

RECOMMENDATION SUMMARY

STAFF: Approve.

TECHNICAL ADVISORY: Approve.

CITIZENS ADVISORY: Approve.

**RFCD AGENDA
ITEM #16
DATE: 09/14/17**

CLARK COUNTY
REGIONAL FLOOD CONTROL DISTRICT

AGENDA ITEM

SUBJECT:

BRENT DRAINAGE SYSTEM – FLOYD LAMB PARK TO DURANGO DRIVE

PETITIONER: DAVID N. BOWERS, DIRECTOR

CITY OF LAS VEGAS PUBLIC WORKS

RECOMMENDATION OF PETITIONER:

IT IS RECOMMENDED THAT THE CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT APPROVE CHANGE ORDER NO. 1 FOR CONSTRUCTION OF THE BRENT DRAINAGE SYSTEM – FLOYD LAMB PARK TO DURANGO DRIVE – LAS22T15 (FOR POSSIBLE ACTION)

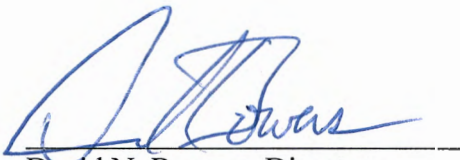
FISCAL IMPACT: None

BACKGROUND:

It is requested that the Board approve Change Order No. 1 in the amount of \$88,000. This work includes additional time to provide paleontological monitoring during excavation in undisturbed portions of the project site. The contractor has reviewed the schedule and have determined the excavation activity for the project may require additional excavation days to complete the project. This change order will be issued as a not to exceed amount and the contractor will only be reimbursed for paleontological mitigation required to complete the project.

The Interlocal Contract dated August 13, 2015, First Supplemental Interlocal Contract dated November 10, 2016 and Second Supplemental Interlocal Contract dated February 9, 2017 include sufficient funds to support this request.

Respectfully submitted,



David N. Bowers, Director
Department of Public Works

TAC AGENDA ITEM # 15 Date: 08/31/2017	RFCD AGENDA ITEM # 16 Date: 09/14/2017
CAC AGENDA ITEM # 15 Date: 08/31/2017	

Regional Flood Control District
AGENDA ITEM DEVELOPMENT

Staff Discussion:

Date: 08/21/17

**BRENT DRAINAGE SYSTEM – FLOYD LAMB PARK TO DURANGO DRIVE
CONSTRUCTION CHANGE ORDER NO. 1 – LAS22T15**

The City of Las Vegas has submitted a request to approve construction change order no. 1 in the amount of \$88,000 for the Brent Drainage System – Floyd Lamb Park to Durango Drive project.

This work includes additional time to provide paleontological monitoring during excavation in undisturbed portions of the project site. The contractor has reviewed the schedule and have determined the excavation activity for the project may require additional excavation days to complete the project. This change order will be issued as a not to exceed amount and the contractor will only be reimbursed for paleontological mitigation required to complete the project.

The Interlocal Contract dated August 13, 2015, First Supplemental Interlocal Contract dated November 10, 2016 and Second Supplemental Interlocal Contract dated February 9, 2017 include sufficient funds to support this request.

Staff Recommendation:

Approve.

Discussion by Technical Advisory Committee:

AGENDA
#15 Date: 08/31/17

Recommendation:

Approve.

Discussion by Citizens Advisory Committee:

AGENDA
#15 Date: 08/31/17

Recommendation:

Approve.

City of Las Vegas-Const Management

CHANGE ORDER

City of Las Vegas PW
Public Works/Construction Management
333 N. Rancho Drive
Las Vegas, NV 89107

No. 00001

Phone: 702-229-2433 Fax: 702-382-3901

Page 1 of 2

PROJECT: Brent Lane Drainage System and Trail **SUBJECT:** Paleontological Monitoring

TO:
Meadow Valley Contractors, Inc

DATE: 8/7/2017

JOB: 16.49876-JH

CONTRACT NO: 1

ATTN: Brandon Stott

DESCRIPTION

The contract documents require a qualified paleontological monitor to be present during all excavation areas in the proposed enhancement areas of the project to identify buried fossils. The Engineer's Estimate included 21 days of paleontological monitoring at a daily cost of \$1000/day bid by the contractor for excavation in undisturbed portions of the project. The contractor has reviewed their schedule and have determined the excavation activity for the project may require as many as 88 additional excavation days to complete the project. To determine a cost, we asked the contractor to conservatively estimate the number of excavation days remaining to complete the project then multiplied by the original contract unit price of \$1000/day which would total \$88000. This is above the 21 days already in the contract. This change order will be issued as a not to exceed amount, the contractor will only be reimbursed for paleontological mitigation required to complete the project..

Item	Description	Quantity	Units	Unit Price	Net Amount
00001		1		\$88,000.00	\$88,000.00
				Total Unit Cost:	\$88,000.00
				Total Lump Sum:	\$0.00
				Total:	\$88,000.00

City of Las Vegas-Const Management

CHANGE ORDER

City of Las Vegas PW
Public Works/Construction Management
333 N. Rancho Drive
Las Vegas, NV 89107
Phone: 702-229-2433 Fax: 702-382-3901

No. 00001

Page 2 of 2

The Original Contract Sum was.....	\$0.00
Net Change by Previously Authorized Requests and Changes.....	\$0.00
The Contract Sum Prior to This Change Order was	\$0.00
The Contract Sum Will be Increased	\$88,000.00
The New Contract Sum Including This Change Order	\$88,000.00
The Contract Time Will Not Be Change	
The Date of Substantial Completion as of this Change Order Therefore is ...	

The preceding summary of the Contract Amount and Contract Time may not reflect changes in the Contract Amount and Contract Time that have been authorized by Construction Change Directive.

This Change Order constitutes a full and final settlement of all changes to the Contract Amount (including, but not limited to, all direct, indirect, delay impact, consequential and ripple effect costs of labor, subcontractors, materials, and equipment; as well as all taxes, insurance, bonds, and profits) and Contract Time, which are in any way associated with or resulting from the changes described herein.

Not valid until signed by the Contractor and Owner. Hand written notations on this Change Order shall not be binding except where initialed by the Contractor and Owner; the presence of hand written non-binding notations shall not invalidate this Change Order.

Brandon Stott

Meadow Valley Contractors, Inc

Signature: _____

Date: _____

Jeff Galambas

City of Las Vegas-Const Management

Signature: _____

Date: _____

Todd Myers

CC Regional Flood

Signature: _____

Date: _____

DISTRIBUTION: Owner: Construction Manager: Consultant: Contractor: Other:

This document may be executed jointly or in counterparts by the Contractor and Owner, and a faxed or electronically transmitted copy of the executed counterpart shall have the same effect as an ink-signed original.
f_co_01_eng



PROJECT NAME: **Brent Lane Dralange System and Trail**

Committee Meeting Date
Tuesday, August 8, 2017

PROJECT HANSEN NUMBER: **49878**

DELIVERY METHOD: **Design-Bid-Build**

CONTRACTOR or CMAR NAME: **American Civil Constructors**

DESIGN CONSULTANT NAME: **Slater Hanftan Group**

PURCHASE ORDER NUMBER: **377327**

CHANGE ORDER REFERENCE NUMBER:

- Approved
 Denied
 No Action: advisory, held, closed
 Approved to proceed as follows:

SUBJECT: Additional Paleontological Mitigation

AMOUNT REQUESTED: \$88,000.00 From the Owner's Contingency
From the CMAR's Contingency

TIME REQUESTED: 0 DAYS If Time Requested, Select One

- RTC FUNDING
 CCRFCD FUNDING

PRESENTER: **Jeff Galambas**

COMPANY If not CLV:

AMOUNT TYPE: **Not-to-Exceed Amount, will negotiate a fixed cost**

STATUS OF AFFECTED WORK: **Partially Completed**

RFI, COR, CCD, NON Reference Numbers

REASON CODE: **E&O Value [Consultant deficiency with value received by Owner] EOVA**
Design Consultant must be notified of E&O change orders prior to COC action

BRIEF DESCRIPTION of the Work

The contract documents require a qualified paleontological monitor to be present during all excavation areas in the proposed enhancement areas of the project to identify buried fossils. The Engineers Estimate included 21 days of paleontological monitoring at a daily cost of \$1000/day bid by the contractor for excavation in undisturbed portions of the project. The contractor has reviewed their schedule and have determined the excavation activity for the project may require as many as 88 additional excavation days to complete the project. To determine a cost, we asked the contractor to conservatively estimate the number excavation days remaining to complete the project then multiplied by the original contract unit price of \$1000/Day which would total \$88,000. This change order will be issued as a not to exceed amount, the contractor will only be reimbursed for paleontological mitigation required to complete the project.

FUNDING

ORIGINAL BASE PURCHASE ORDER (For construction contracts this includes the base bid plus accepted alternates. Do not include contingency amounts.)	\$ 4,397,113.30
ORIGINAL OWNER P.O. CONTINGENCY (Approved with the award)	10% OF THE BASE P.O. \$ 439,711.33
ORIGINAL CMAR P.O. CONTINGENCY (Approved with the award)	0% OF THE BASE P.O.
APPROVED PURCHASE ORDERS CHANGES thru Modification # _____	TO: BASE _____
	TO: OWNER CONTINGENCY _____
	TO: CMAR CONTINGENCY _____
	TOTAL APPROVED FUNDING \$ 4,836,824.63

COMMITMENTS BEFORE this requested change

ORIGINAL CONTRACT SUM (For construction contracts this includes the base bid plus accepted alternates. Do not include contingency amounts.)	\$ 4,397,113.30
NET CHANGE by Approved CHANGE ORDERS thru Change Order # _____	FROM: OWNER CONTINGENCY _____
	CMAR CONTINGENCY _____
	CONTRACT SUM TO DATE \$ 4,397,113.30
TOTAL EARNED TO DATE (Estimated current status or copied from the last pay request)	0%

BALANCES BEFORE this requested change

PERCENT OF CONTINGENCY USED (including P.O. increases)	0%	UNCOMMITTED FUNDING	\$ 439,711.33
NET CHANGE AS A PERCENTAGE OF ORIGINAL CONTRACT	0%	COMMITTED BALANCE TO PAY	\$ 4,397,113.30
		REMAINING OWNER CONTINGENCY	\$ 439,711.33
		REMAINING CMAR CONTINGENCY	\$ -

BALANCES AFTER this change if approved as requested

Warning: Contingency burn rate is faster than the construction completion rate		UNCOMMITTED FUNDING	\$ 361,711.33
PERCENT OF CONTINGENCY USED (including P.O. increases)	20%	COMMITTED BALANCE TO PAY	\$ 4,485,113.30
NET CHANGE AS A PERCENTAGE OF ORIGINAL CONTRACT	2%	REMAINING OWNER CONTINGENCY	\$ 361,711.33
		REMAINING CMAR CONTINGENCY	\$ -

COMMENTS:



July 31, 2017

Jeff Galambas, P.E.
Department of Public Works
City Engineering Division
Development Services Center (DSC) 7th Floor
Las Vegas, Nevada 89106

BID NO. 16.49876-JH
PWP NO. CL-2017-88

Re: Additional Paleontological Mitigation

Mr. Galambas,

The letter shall serve as notice that Meadow Valley sees a quantity increase needed for the Paleontological Mitigation bid item. The original bid quantity of 21 days will be insufficient for what the specs require. I anticipate an additional 4 months, at minimum, of Paleontological Mitigation to complete this project. That will be an additional 88 days needed. That will allow us 1 month for the sewer, 20'x7' RCB and remaining channel work. These 88 days will also cover 2 months for the 12'x6' RCB work and 1 month for the work in the intersection of Brent Lane and Durango. We will do everything we can to minimize the number of days needed.

The 88 days is an estimate on my part. Depending on how the work progresses, the number of days needed for Paleontological Mitigation may be significantly higher than this.

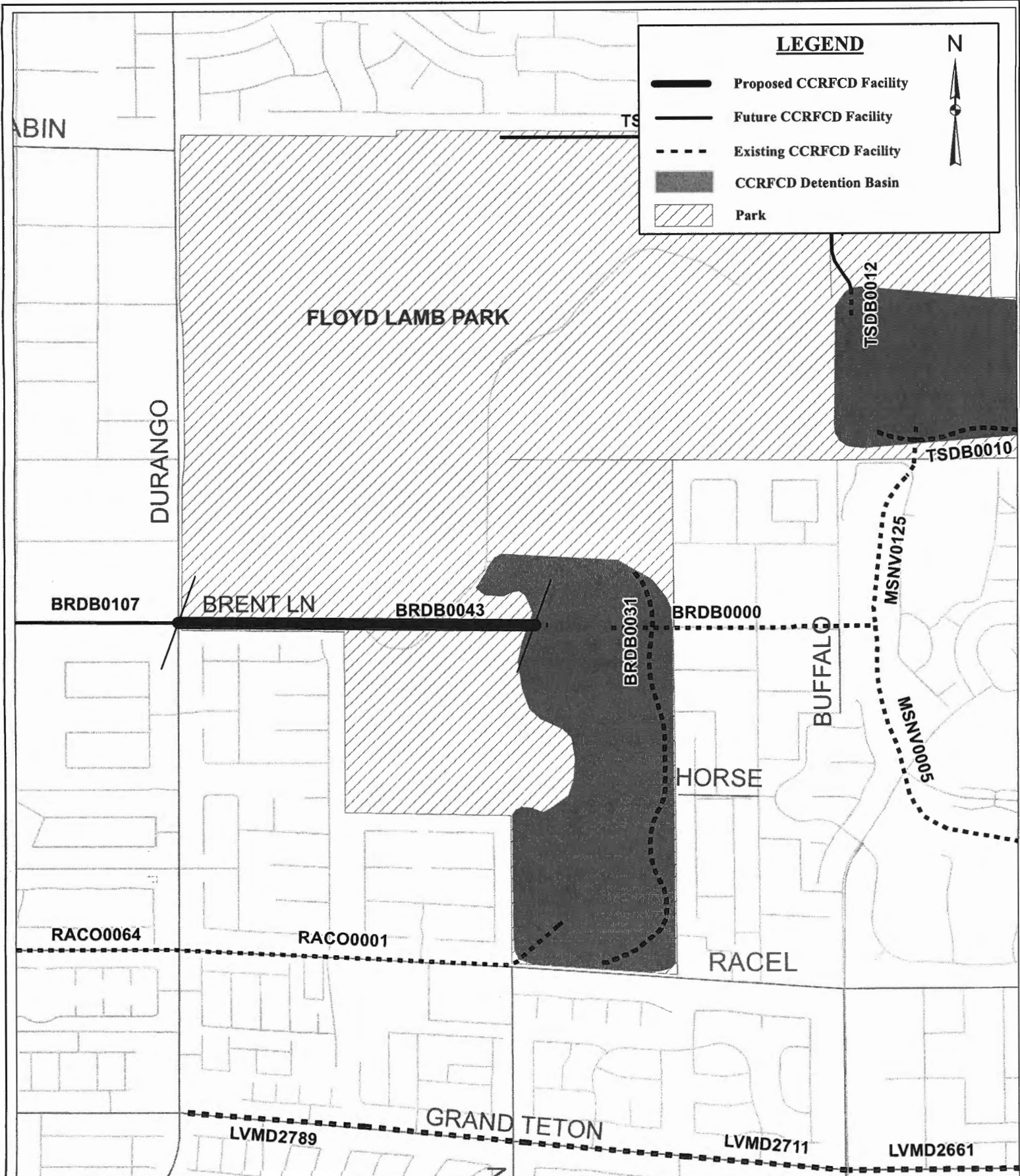
If you have any question or comments, please reach me at 702-236-7422

Sincerely

Brandon Stott

Brandon Stott
Project Manager

Cc: Job #17203



LEGEND

- Proposed CCRFCD Facility
- Future CCRFCD Facility
- Existing CCRFCD Facility
- CCRFCD Detention Basin
- Park



**EXHIBIT A
BRENT DRAINAGE SYSTEM -
FLOYD LAMB PARK TO DURANGO (LAS22T15)**

SCALE: 1:12,500
DRAWING NAME:
BrentDrainageSys_FloydLamb
to Durango.mxd
DRAWN BY: C. JONES
DATE: 08/14/2017
SHEET NUMBER 1 OF 1

17. **Comments By the General Public**

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

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