

# TEN-YEAR CONSTRUCTION PROGRAM

## REGIONAL FLOOD CONTROL DISTRICT



**FISCAL YEAR 2013  
THROUGH  
FISCAL YEAR 2022**

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

**ADOPTED  
JUNE 14, 2012**

**CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT**

**TEN-YEAR CONSTRUCTION PROGRAM**

**FISCAL YEAR 2013**

**THROUGH**

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**GALE WM. FRASER, II, P.E.**

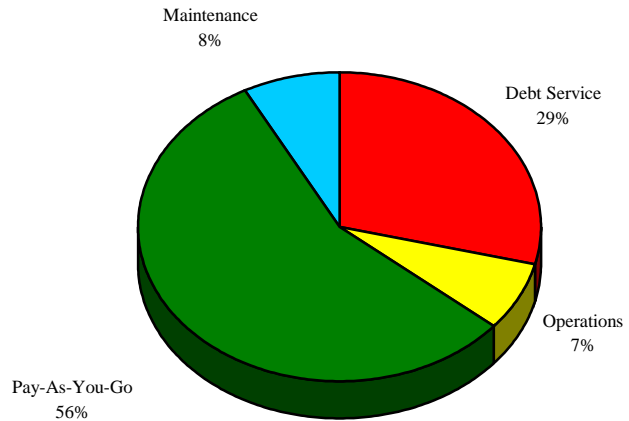
**GENERAL MANAGER/CHIEF ENGINEER**

**ADOPTED JUNE 14, 2012**

**Capital Improvement Program**

The District staff maintains a listing of projects proposed for funding in the next ten-year period. The Ten-Year Construction Program (TYCP) is updated annually and is approved by the Board after review by the Technical and Citizens Advisory Committees. In addition to the TYCP, the District’s Chief Engineer with assistance, cooperation and approval of the Technical Advisory Committee, prepares a list of projects proposed for funding during the upcoming fiscal year. The fiscal year project list, after approval by the Board, constitutes the Capital Improvement Program for the District in the ensuing fiscal year. The fiscal year project list and the updated TYCP presented in this document were approved on June 14, 2012, for Fiscal Year 2012-13. Board approval of the TYCP and the fiscal year project list does not authorize funding of any project and does not commit the District to expend any funds.

**Typical Annual Expenditures**



The TYCP consumes all revenues that the District receives that are not allocated to Operations (Fund 2860), Debt Service (Fund 3300), or the Maintenance Work Program (Fund 2870). A pie chart representing the typical annual expenditures for a fiscal year is depicted above. The TYCP revenues are derived from the ¼% Sales Tax and interest revenues commonly known as the Pay-As-You-Go Program. Sales Tax funds the District’s Pay-As-You-Go Program in Fund 4430 and is used to retire debt issued for flood control projects accounted for in Fund 4440. These two funds are used to separate debt funding from Pay-As-You-Go funding in order to accurately account for debt proceeds. Since May 1987, the date the first ¼% Sales Tax Revenues were received and projected through the end of June 2012, the District has received over \$1,285,749,411 in Sales Tax Revenues. Additionally, the District has issued \$80,000,000, \$150,000,000, \$200,000,000, and \$150,000,000 in General Obligation Bonds/Notes, secured by Sales Tax Revenue, which were sold in November 1991, September 1998, September 2003, and June 2009 respectively, to expedite projects. The District has funded over \$1,392,977,823 in projects through May 2012.

**FISCAL YEAR 2013 THROUGH FISCAL YEAR 2022 TYCP**

The TYCP is an estimate of when funding will be requested. Available revenues for the TYCP are estimated to be \$531,644,995, which includes a debt issuance of \$75,000,000 reprogrammed in Year 1. A debt issuance of \$75,000,000 million was programmed in FY 2010-11 and FY 2011-12 to fund infrastructure. But, by the end of FY 2011-12, a sufficient number of projects had not come forward for construction funding to support the sale of the bond issue. Programming of debt is not a guarantee that the debt will be issued. The District will evaluate whether to issue the debt based on economic conditions and progress in project development.

## **REGIONAL FLOOD CONTROL DISTRICT – FY 2013 THROUGH FY 2022**

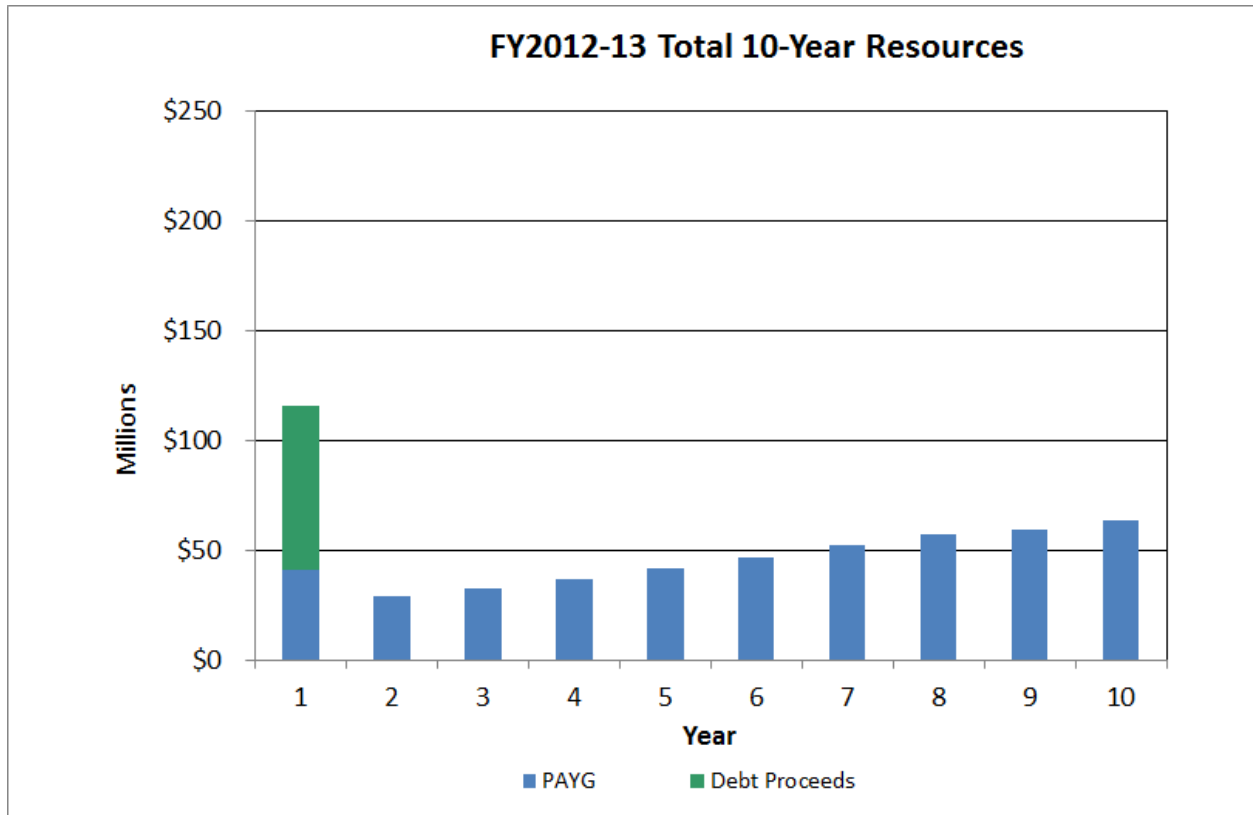
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Sales Tax growth for Year 1 is based on a 3.0% growth rate from prior years' revised budget (\$75,100,000), a 4.8% growth rate for Year 2, a 5.4% growth rate for Year 3 and Year 4 a 5.5% growth rate for Year 5 and Year 6, a 4.3% growth rate for Year 7, a 4.2% growth rate for Year 8 and Year 9, and a 4.1% growth rate for Year 10.

The TYCP also includes inflation factors to account for increases in project costs over time. Construction, right-of-way, and design costs are: 0% for FY 2012-13; 1% for FY 2013-14; 2% per year for FY 2014-15, FY 2015-16 and FY 2016-17; 3% for FY 2017-18; and 3% per year for the out years. Funding of projects in the first year of the TYCP is dependent on revenues being received as projected. There is no guarantee that the project will be funded in the year that it is programmed to request funding. A project may be delayed to future years based on actual receipt of revenues and issuance of debt, resulting in adjustments to the entire TYCP.

## REGIONAL FLOOD CONTROL DISTRICT – FY 2013 THROUGH FY 2022

The chart below depicts the total resources projected over the next ten year period from Sales Tax Revenue and future debt issuance that could be used to finance design and construction of flood control facilities.



Flood control projects are fairly standard in nature and typically follow a design time of 1-2 years and a construction time of 2-3 years. The minimum level of expenditures for assets to be classified as capital assets for the District is \$5,000.00 and we comply with all adopted GAAP requirements. The design and construction periods for District projects cross multiple fiscal years and unexpended funding is carried forward. The District's budgeted expenditures for the TYCP tie to the capital outlay budget for each fund. The budgeted resources for the District's capital funds during FY 2012-13 are: \$123,395,959 for Fund 4430 and \$117,280,227 for Fund 4440 which includes previously approved and new projects planned for FY 2012-13.

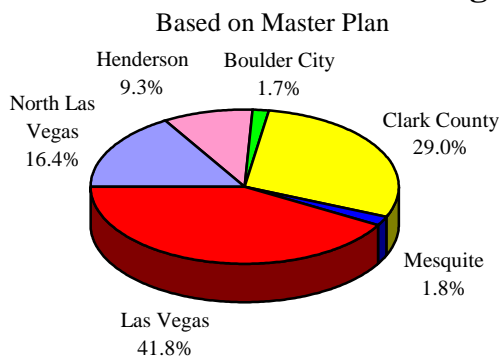
## REGIONAL FLOOD CONTROL DISTRICT – FY 2013 THROUGH FY 2022

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The target funding percentages for each hydrographic area were established based on a proportionate share of the sum of the cost of funded projects and proposed Master Plan facilities. The Master Plan costs were obtained from the estimates contained in the various Master Plan Updates that have been adopted. The most recent are the Master Plan Updates for: the Las Vegas Valley adopted by the Board on September 11, 2008; the City of Boulder City adopted by the Board on May 15, 2008; the Town of Bunkerville adopted by the Board on September

13, 2007; the City of Mesquite adopted by the Board on August 9, 2007; the Town of Laughlin adopted by the Board on March 12, 2009; the Muddy River and Tributary Washes adopted by the Board on February 10, 2011; and the Outlying Areas of Clark County adopted by the Board on March 12, 2009. The costs of funded projects were derived from the financial reports at the date of adoption of each Master Plan Update. Exhibit A shows the costs of flood control facilities by hydrographic area and the entity to which the area is assigned. The pie chart on this page indicates the percent of revenues which should be spent in each entity based on need as measured by the cost of flood control facilities identified on the Master Plans. This ensures an equal rate of implementation of flood control infrastructure within each hydrographic area over time.

### Prorated Share of Funding



In November 2000, the District's Board of Directors approved the implementation of Entity Advance Funding (EAF) for flood control projects that meet the District's criteria for construction funding when funds are not yet available. This allows an entity (City or County) to advance construction funding and advertise and award a construction contract for the project ahead of the scheduled date that the District would have funds available. The Board amended the EAF policies on May 15, 2003. Through an Interlocal Contract, the District and Entity agree to a date that the District will reimburse the entity and a set dollar amount for the project. The EAF process has a \$40 million cap; requires that the project be programmed in the first three (3) years of the TYCP in the amount of the request; and the agreed reimbursement date must not exceed five (5) years from the date the Interlocal Contract is approved. These policies keep future revenues and obligations manageable. Current and future EAF contract funds will be programmed in accordance with the conditions of the contract.

In some cases funds are available from another source to allow a construction project to proceed in advance of the District having funding available. When an alternate source of funding is willing and able to facilitate immediate construction of a project the Board may consider a Resolution of Intent to reimburse the funding source at an agreed upon time and amount. The funds for reimbursement are programmed in accordance with the conditions of the Resolution.

**REGIONAL FLOOD CONTROL DISTRICT – FY 2013 THROUGH FY 2022**

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**Maintenance Work Program**

The Board has adopted an Operations and Maintenance Program to provide funding of, and establish performance standards and guidelines for, the maintenance of flood control facilities located in the District’s service area. The Program provides funding for entities to maintain flood control facilities within their respective jurisdictions to assure that facilities included in the Master Plan are maintained in a manner that maximizes their useful life and ensures their operation at design capacity during a storm event.

Subsequently, the District worked with the entities to develop the Maintenance Work Program (MWP) to be consistent with the requirements outlined in the Operations and Maintenance Manual. Work is performed using a combination of private contractors and entity maintenance staff. Approximately 573 miles of channel and underground storm drains, of which 130 miles are natural washes, are inspected and/or maintained throughout Clark County, along with 90 detention basins.

Projected Maintenance Work Program funding for the TYCP period is depicted in the following chart:

<b>Fiscal Year</b>	<b>Factor</b>	<b>TYCP MWP Funding Projection</b>	
2013	Approved Budget	\$	10,000,000
2014	0.0%	\$	10,000,000
2015	0.0%	\$	10,000,000
2016	0.0%	\$	10,000,000
2017	0.0%	\$	10,000,000
2018	0.0%	\$	10,000,000
2019	0.0%	\$	10,000,000
2020	0.0%	\$	10,000,000
2021	17.0%	\$	11,695,762
2022	7.5%	\$	12,261,673
<b>Total estimated maintenance over 10 years</b>		<b>\$</b>	<b>\$103,957,435</b>

**Local Drainage Program**

During the 2001 Nevada Legislative Session, the District proposed several changes to NRS 543 – Control of Floods. Senate Bill 267 passed during the session and amended NRS 543 to allow the District to implement a Local Drainage Program. On November 8, 2001, the Board of Directors adopted amendments to the District’s Policies and Procedures Manual, which included a definition of a local drainage project and set the procedures for entities minimum eligibility requirements; established funding guidelines for local drainage projects; and identified project initiation procedures.

During the eleventh year of this program, the District has budgeted \$500,000 for Local Drainage projects. Projected Local Drainage Program funding for the TYCP is depicted in the chart on the next page.

In Fiscal Year 2009, the District funded in Clark County, Carey Avenue Storm Drain (estimated completion date of April 2013).

In Fiscal Year 2010, the District funded in Clark County, Olive Street Storm Drain, US-95 to Palm Street (estimated completion date of November 2012).

In FY 2012, two new local drainage projects were funded by the District. The District funded in Clark County, Annie Oakley Drive at Rawhide Channel Storm Drain (estimated completion date of December 2012) and in the City of Las Vegas, Concord Street Storm Drain (estimated completion date of February 2013).

**REGIONAL FLOOD CONTROL DISTRICT – FY 2013 THROUGH FY 2022**

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Projected Local Drainage Program funding for the TYCP period is depicted in the following chart:

<b>Fiscal year</b>	<b>Factor</b>	<b>TYCP Local Drainage Budget Projection</b>	
2013	Approved Budget	\$	500,000
2014	0.0%	\$	500,000
2015	0.0%	\$	500,000
2016	0.0%	\$	500,000
2017	0.0%	\$	500,000
2018	0.0%	\$	500,000
2019	0.0%	\$	500,000
2020	0.0%	\$	500,000
2021	0.0%	\$	500,000
2022	2.0%	\$	510,903
<b>Total estimated local drainage over 10 years</b>		<b>\$</b>	<b>5,010,903</b>

The TYCP presented in this document represents the District’s and Entities work plan for the coming years.

**Project Prioritization**

Annually, during review and development of the TYCP, the relative priority of Master Plan projects are reviewed and the priority of projects are assessed. Exhibit B presents a tabulation of the priority values for all Las Vegas Valley flood control facilities included in the TYCP. The criteria used in the evaluation of projects as prescribed in the District Policies and Procedures Section II.B.3 is presented below Items a) through d) recognize life safety issues and are weighted accordingly in this regard:

- a) **Population Affected**  
Refers to the existing population affected by the construction of the project considered. Impact includes reducing flood hazards.
- b) **Assessed Land Value Impacted**  
Assessed land values for developed and undeveloped land affected by the project, including all structures (public, commercial, or residential) will be reviewed. Impact on land values related to a reduction of the floodplain area will be considered under this item.
- c) **Public Perception of Need**  
The project will be evaluated in terms of satisfying the public’s desire to see their money spent on “worthwhile” projects and the public’s perception of need.
- d) **Emergency Access and Public Inconvenience**  
The project will be evaluated to determine its impact on the access of emergency vehicles including police, ambulance, and fire vehicles to their respective substation, hospital, or station. The evaluation will include an assessment of the project’s contribution to the development of an all-weather transportation system and accessibility to flood isolated residences, businesses, and public facilities.
- e) **Cost Avoidance**  
Cost avoidance includes projects which will reduce future costs, including potential damage, construction of oversized facilities, and the ability to construct. This item should also address other costs associated with lost opportunity and the risk associated with inadequate or undersized facilities.
- f) **Availability of Other Funding Sources**  
This includes an evaluation of the potential for funds from grants, developers, the Corps of Engineers, and other public and private interests. Additional funding sources shall include but are not limited to land donated by private developers and the Bureau of Land Management.

- g) **Interrelationship to Other Projects**  
Projects which score high on this criterion can function independently or are needed to complete or increase the effectiveness of the existing regional and local drainage system.
- h) **Timing and Implementation**  
All aspects of timing and implementation should be considered under this item including availability of right-of-way, permit review if necessary, and ability to administer and begin a project in a reasonable time-frame.
- i) **Environmental Enhancement**  
Evaluation of this criterion includes benefits derived from improving or mitigating the threat to public health resulting from stagnant water, erosion, raw sewage spills, and contamination of the domestic water supply. It also includes, if applicable, information on the project's enhancement of habitat, recreational opportunities, and water quality.
- j) **Annual Maintenance Cost**  
Projects which will rank high on this criterion have a lower maintenance cost than those facilities now in existence or will reduce maintenance costs downstream.

Priority values are calculated by each lead entity within their respective hydrographic areas. It should be noted that priority values may not necessarily be relative from one hydrographic area to another.

**Ten-Year Construction Program**

The proposed TYCP totals \$528,214,962 and is presented as Exhibit C. The estimated cost of facilities presented in the Master Plans for all of Clark County is \$3,976,215,191. Therefore, this TYCP constitutes approximately 13% of total Master Plan facility costs. The TYCP project locations are shown on the attached maps. A summary of the proposed program, along with major accomplishments for each entity follows.

**HENDERSON**

Pittman Wash Planning Area and  
C-1 Channel Planning Area

A summary of the proposed program, along with major accomplishments for the City of Henderson is shown in the attached map labeled “Pittman Wash and C-1 Channel Planning Area.” Henderson projects completed or funded for construction since 1987 include:

**Black Mountain (Southwest C-1) Detention Basin**

Located at the base of Black Mountain

**Blackridge Road Storm Drain System, Local Drainage Project**

**Boulder Highway Channel**

**Bridges over Pittman Wash**

At Warm Springs Road, Stephanie Street, and Green Valley Parkway

**C-1 Channel, Middle Reach**

**C-1 Channel/Middle & Upper Reaches, Phase I (Burkholder Boulevard to Boulder Highway)**

**C-1 Channel, Upper & Middle Reaches – Vermillion Drive to Boulder Highway**

**C-1 Channel, US-95 Tributary 1**

**C-1 Equestrian Tributary**

**Gibson Channel Culvert at Sunset Road**

**Gibson Conveyance System**

**East C-1 Detention Basin**

Situated in a narrow canyon within the River Mountains funded and constructed by the Southern Nevada Water Authority

*Henderson (continued)*

**Equestrian Detention Basin and Collection Channel**

**Equestrian Detention Basin Outfall – Heritage Channel**

**Mission Hills Detention Basin and C-1 Channel**

From Lake Mead Drive to Burkholder Boulevard

**Mission Hills Western Interceptor**

From Pacific Avenue to the Mission Hills Detention Basin

**McCullough Hills Detention Basin**

Designed by the Del Webb Corporation as a joint use recreation facility as part of their Anthem project

**Northeast Detention Basin, Levee and Outfall**

**Pioneer Detention Basin**

**Pioneer Detention Basin Expansion and Inflow**

**Pioneer Detention Basin/Outfall, Phase I**

From Warm Springs Road to Sunset

**Pittman Eastern Detention Basin**

**Pittman Park Detention Basin**

A joint use recreation facility

**Pittman Park Peaking Basin Modification**

**Pittman Pecos West Conveyance and Eastern Avenue Tributary**

**Pittman Railroad East Conveyance**

**Pittman Railroad, MacDonald Ranch Channel**

**Pittman Wash**

From I-515 to Santiago Road: Phase I, II, and IIIA

**Pittman Wash – Burns**

**Pittman Wash – Gibson**

**Pittman Wash Railroad Channel (Phase I)**

*Henderson (continued)*

**Pittman Wash Railroad Channel, US-95 to Major Avenue**

**Pittman Wash, UPRR to Santiago**

**Union Pacific Railroad Channel**

From Pittman Wash to Eastern Avenue

District funding since 1987 for the projects plus design efforts on future projects total approximately \$156,137,408.

The projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

**Pittman Burns – Pittman West Horizon – Palm Hills (PV = 97.5)**

**PTWH 0032** – This project consists of an open channel along the west side of the Palm Hills development located west of Horizon Ridge Parkway and north of Mission Drive. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$0.70 million for this project.

**Pittman Burns – Galleria to Boulder Highway (PV = 99.0)**

**PTSU 0000** – This project consists of a double 10' x 8' reinforced concrete box culvert and open channel that will collect storm flows at the intersection of Sunset Road and Boulder Highway and convey them to the existing Weisner Channel near Burns Road and Galleria Drive. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$4.0 million for this project.

**Pittman Burns – Horizon Ridge Debris Basin & Outfall at Sumner Ranch Road (PV = 97.0)**

**PTHR 0104, 0139, 0140, 0150 & 0203 through 0205** – This project consists of a 2.5 acre-foot debris basin located approximately one-half mile south of Horizon Ridge Parkway and an 84-inch diameter concrete outfall pipe and concrete channel from the debris basin to Sumner Ranch Road. A Master Plan Amendment is currently in process to revise the debris basin to a detention basin and decrease the size of the outlet facilities. Design is underway. Construction funding is programmed in FY 13/14. The TYCP includes approximately \$2.5 million for this project.

**Pittman Beltway – Anthem Parkway Channel – Horizon Ridge to Sienna Heights (PV = 98.0)**

**PTAP 0018** – This project consists of a concrete channel from Horizon Ridge Parkway to Sienna Heights Drive. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$2.2 million for this project.

*Henderson (continued)*

**Lower Pittman – Pittman MacDonald Ranch Debris Basin (PV = 94.5)**

**PTMR 0400 through 0480** – This project consists of a 17 acre-foot debris basin located approximately .75 mile south and east of the Sunridge Heights and Canyon Heights intersection. The outfall facilities consists of a 12' X 8' reinforced concrete box and open channel. Design and Right-of-Way Acquisition are programmed in FY 15/16. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$3.6 million for this project.

**Lower Pittman – Whitney Wash Channel (PV = 94.0)**

**WWDC 0069** – This project consists of an open concrete channel connecting two existing reaches providing better collection of flood flows upstream of an existing development near Sunset Road and Stephanie Street. Design is underway. Construction funding is programmed in FY 16/17. The TYCP includes approximately \$2.6 million for this project.

**Lower Pittman – Pittman Wash Duck Creek at I-515 (PV = 96.5)**

**PTDC 0074** – This project consists of the addition of two 10' x 8' reinforced concrete box culverts to the existing structure under I-515 at Pittman Wash. Design is underway. Construction funding is programmed in FY 14/15. The TYCP includes approximately \$1.8 million for this project.

**Upper Pittman – Pittman North Detention Basin Outfall – St. Rose to Spencer (PV = 86.5)**

**PTNO 0000 through 0073** – This project consists of a reinforced concrete box culvert ranging in size from 6' x 5' to 8' x 5' located parallel to St. Rose Parkway from Spencer to Executive Airport. Design and Right-of-Way Acquisition are programmed in FY 19/20. The TYCP includes approximately \$2.1 million for this project.

**Upper Pittman – Pittman North Detention Basin Outfall (PV = 96.0)**

**PTNO 0180** – This project consists of a 72" reinforced concrete pipe from the Pittman North Detention Basin to St. Rose Parkway at Executive Airport. Design and Right-of-Way Acquisition are programmed in FY 14/15. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$5.1 million for this project.

**Upper Pittman – Pittman North Detention Basin (PV = 95.0)**

**PTNO 0181 through 0183** – This project consists of completion of a 600 acre feet detention basin subsequent to completion of gravel extraction mining currently underway. Design is programmed in FY 15/16 and construction funding is programmed in FY 18/19. The TYCP includes approximately \$2.5 million for this project.

**Upper Pittman – Pittman North Detention Basin to Larson Lane (PV = 93.5)**

**PTSD 0000 through 0043** – This project consists of concrete channel and a 25' x 8' reinforced concrete box culvert along Bermuda Road extending from Larson Lane to the Pittman North Detention Basin. Design and Right-of-Way Acquisition are programmed

*Henderson (continued)*

in FY 16/17. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$4.1 million for this project.

**Upper Pittman – Pittman, Larson Lane – Las Vegas Blvd. to Bermuda Rd. (PV = 84.5)**

**PTLA 0000 through 0126** – This project consists of an open channel and 12' x 6' reinforced concrete box culvert along Larson Lane extending from Bermuda Road to Las Vegas Boulevard. Design and Right-of-Way Acquisition are programmed in FY 21/22. The TYCP includes approximately \$1.3 million for this project.

**C-1 – Center Street Storm Drain (PV = 95.5)**

**C1CT 0000 through 0048** – This project consists of storm drain ranging in size from 72-inch diameter to 10' x 4' reinforced concrete box culvert in Center Street extending from Fir Street to Lake Mead Drive. Design is underway. Construction funding is programmed in FY 15/16. The TYCP includes approximately \$3.5 million for this project.

**C-1 – Racetrack Channel – Drake to Burkholder (PV = 98.5)**

**C1RT 0001 through 0041** – This project consists of approximately one half mile of concrete channel invert in the existing Racetrack Channel from Drake Street to Burkholder. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$2.3 million for this project.

**C-1 – Four Kids Wash – Lake Mead to Eagle Rock Road (PV = 97.0)**

**C1FK 0040** – This project consists of open channel extending from Lake Mead Drive to Eagle Rock, east of Galleria Drive. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$0.50 million for this project.

**C-1 – C-1 Channel, SNWA Drop Structure to Lake Mead (PV = 93.0)**

**C1CH 0161** – This project consists of open channel improvements for C-1 Channel extending from Lake Mead Drive to the existing SNWA drop structure. Design and Right-of-Way Acquisition are programmed in FY 17/18. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$5.2 million for this project

**C-1 – Equestrian Detention Basin Expansion (PV = 98.0)**

**C1EQ 0160** – This project consists of expansion of the existing Equestrian Detention Basin from 409 acre feet to 544 acre feet and modifications to the existing spillway. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$0.90 million for this project.

*Henderson (continued)*

**C-1 – Equestrian Tributary, Phase II (PV = 100.0)**

**C1E1 0044** – This project consists of 12' x 4' reinforced concrete box culvert in Appaloosa Road from Latigo Drive to Equestrian Drive. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$3.5 million for this project.

The funding programmed for the C-1 Channel and Pittman Wash Planning Areas in Henderson totals approximately \$48.4 million on the TYCP.

**LAS VEGAS**

Upper Northern Las Vegas Wash Planning Area  
Gowan Planning Area and  
Central Basin Planning Area

Projects being undertaken within these planning areas are being administered by either Las Vegas, North Las Vegas, or Clark County. A summary of the proposed program, along with major accomplishments for the City of Las Vegas is shown on the attached map labeled “Gowan, Central, and Upper Northern Basins Planning Area”. City of Las Vegas projects completed or funded for construction since 1987 include:

**Alta Parallel System**

**Alta Storm Drain**

Part of the Meadows Detention Basin Collection System

**Angel Park Detention Basin Expansion**

**Angel Park Outfall Storm Drain**

Vegas Drive between Angel Park Detention Basin and the Buffalo Channel

**Ann Road Detention Basin Facilities**

**Bruce Street Storm Drain, Local Drainage Project**

**Buffalo Channel**

Between Gowan Detention Basin and Doe Avenue

**Carey Avenue/Lake Mead Detention Basin and Conveyance System**

Located along Lake Mead Boulevard between I-15 and Michael Way

**Cheyenne Channel**

Gowan South Detention Basin to Buffalo Drive

**Cheyenne Crossings**

Developer participation project at Rampart, Soft Breezes, and Soaring Gulls

**Colorado Avenue System**

Clark County is the Lead Entity

**Concord Street Storm Drain, Local Drainage Project**

**Crystal Water Way, Lake South Drive to Desert Inn Road, Local Drainage Project**

**Durango Drive Storm Drain**

Between Charleston Boulevard and Angel Park Detention Basin

*Las Vegas (continued)*

**Elkhorn Springs & Buffalo Storm Drain**

**Freeway Channel – Charleston Lateral**

**Gilmore Avenue – Decatur Boulevard to Thom Boulevard Storm Drain, Local Drainage Project**

**Gowan Detention Basins**

The North and South Detention Basins are joint use recreation facilities

**Gowan Detention Basin Outfall**

- Storm drain located in Gowan Road between Tenaya Way and Decatur Boulevard

- Decatur Boulevard to the Western Tributary of the Las Vegas Wash - City of North Las Vegas is the Lead Entity

**Gowan Lone Mountain System – Branch 4**

**Gowan/Lone Mountain System – Gilmore Channel**

**Gowan Lone Mountain System – Cliff Shadows Park**

**Gowan North – Buffalo Branch**

**Gowan North – Buffalo Branch (Cheyenne Avenue to Lone Mountain Road)**

**Gowan North – Buffalo Branch (Gowan Road and Buckskin Avenue)**

**Gowan North Channel, El Capitan Way to the Beltway**

**Gowan North Channel – Phases I & II**

Northern Gowan Detention Basin to Durango including the Durango Branch

**Gowan North System – Phase III: Alexander Road to Lone Mountain Road**

**Gowan Outfall, Craig Road to Channel**

North Las Vegas is the Lead Entity

**Gowan Outfall – Lone Mountain Branch, Decatur Boulevard to Channel**

**Gowan Outfall, Lone Mountain Branch (Ferrell Street to Kenny Way)**

**Gowan Outfall – Lone Mountain Branch (Rancho Drive to Decatur Boulevard)**

*Las Vegas (continued)*

**Grand Teton Overpass – Storm Drain**

Holmby Channel, Local Drainage Project

**Horse Drive Interchange**

**I-15 Freeway Channel**

Portion constructed as part of the Nevada Department of Transportation (NDOT) I-15/Sahara Avenue Interchange project in 1995. The Freeway Channel System, Alta Drive to Sahara Avenue and Bypass Facilities (from Wall Street to Sahara Avenue) were completed in August 2002.

Jay Avenue Improvements, Local Drainage Project

Jones Boulevard – Alta to Borden Storm Drain, Local Drainage Project

Langtry Channel – Bonanza Road to Washington Avenue

Las Vegas Creek Channel, Parallel System at Decatur Boulevard

Las Vegas Creek Channel, Parallel System

Las Vegas Wash – Decatur Boulevard (Elkhorn Road to Farm Road)

Las Vegas Wash – Decatur & Elkhorn, CC 215

Las Vegas Wash – Elkhorn Road, Rainbow Boulevard to Torrey Pines Drive

Las Vegas Wash – Jones Boulevard, Elkhorn Road to Farm Road

Las Vegas Wash – Rainbow (Elkhorn Road to Grand Teton Drive)

Las Vegas Wash, Rancho Drive System (Carey/Lake Mead Detention Basin to Peak Drive)

Las Vegas Wash – Smoke Ranch System (Peak Drive: Torrey Pines Drive – Jones Boulevard)

**Lone Mountain Detention Basin**

Right-of-Way Acquisition, Environmental Mitigation, and Construction Engineering

Lone Mountain System – Lone Mountain Detention Basin Outfall to Durango Drive

Meadows Detention Basin and Collection System

*Las Vegas (continued)*

**Meadows Detention Basin Expansion**

**North & South Environmental Enhancement Areas – Floyd Lamb Park**

**Oakey Boulevard Detention Basin and Outfall**

**Oakey Boulevard & Tenaya Way Storm Drain, Local Drainage Project**

**Oakey Drain, Birch Street to Cahlan Drive**

**Oakey Drain – Cahlan to Barnard**

**Oakey – Meadows Storm Drain, Phase I**

**Oakey Meadows Storm Drain – Phase II**

**Owens Avenue System (Rancho Drive to I-15)**

**Peak Drive, Rainbow Boulevard to Torrey Pines Drive, Local Drainage Project**

**Peak Drive System (Jones Boulevard to Michael Way)**

**Rampart Storm Drain**

Project in conjunction with the Regional Transportation Commission of Southern Nevada (RTC)

**Rancho Detention Basin, Phase II**

**Rancho Road System: Durango Drive US-95 Interchange**

**Rancho Road System – El Campo Grande Storm Drain**

**Vegas Drive Storm Drain – Rancho to Shadow Mountain**

**Washington Avenue System**

Las Vegas Creek from Las Vegas Wash beneath Sandhill Road to Washington Avenue then along Washington Avenue to Sagman Street; Sagman Street to Bonanza Road; Bonanza Road to Veterans Memorial Drive; Veterans Memorial Drive to UPRR; and UPRR to Alta Drive (southeast quadrant of the Spaghetti Bowl).

**Washington Avenue System (Martin Luther King Boulevard to I-15) and Freeway Channel North (Washington Avenue to Vegas Drive)**

*Las Vegas (continued)*

District funding since 1987 for the projects plus design efforts on future projects totals approximately \$508,954,815.

The projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

**Central – Freeway Channel – Washington, Valley View Boulevard to Decatur Boulevard (PV = 83.0)**

**LV15 0602** – This project consists of dual 66-inch diameter reinforced concrete pipes in Washington Avenue extending from Michael Way to Langtry Drive. Design is programmed in FY 21/22. The TYCP includes approximately \$0.53 million for this project.

**Central – Freeway Channel – Washington, Rancho Drive to Valley View Boulevard (PV = 83.0)**

**LV15 0528** – This project consists of an 8' x 7' reinforced concrete box culvert in Washington Avenue extending from Langtry Drive to Rancho Road. Design is programmed in FY 19/20 and construction funding is programmed in FY 21/22. The TYCP includes approximately \$7.6 million for this project.

**Central – Freeway Channel – Washington, MLK to Rancho Drive (PV = 83.0)**

**LV15 0424, 0472 and 0474** – This project consists of an 8' x 6' reinforced concrete box culvert in Washington Avenue extending from Rancho Road to Martin Luther King Blvd. and dual 66-inch diameter reinforced concrete pipes in Tonopah Drive extending from Mills Circle to Washington Avenue. Design is underway. Construction funding is programmed in FY 14/15. The TYCP includes approximately \$7.8 million for this project.

**Central – Las Vegas Wash – Charleston Boulevard to Cedar Avenue (PV = 83.5)**

**LVMD 1071 through 1121** – This project consists of open channel improvements extending from Charleston Boulevard to Stewart Avenue. Design is underway. Construction funding is programmed in FY 16/17. The TYCP includes approximately \$9.2 million for this project.

**Central – Oakey – Meadows Storm Drain (PV = 84.0)**

**MEOK 0150 through 0217** – This project is the third and final phase of the Oakey Meadows facility. The Oakey Meadows Project follows a stair stepped path to the southwest from Valley View Boulevard and Alta Drive to Sahara Avenue and Decatur Boulevard. Phase one includes the facility from Valley View Boulevard and Alta Drive to Charleston Boulevard and Hinson Street. Phase two extends the facility constructed with phase one to the west and south to Decatur Boulevard and Del Rey Avenue. The third phase will complete the facility by extending it south to Sahara Avenue and Decatur Boulevard. Construction of phases one and two are complete. Construction is

*Las Vegas (continued)*

programmed in FY 16/17 for phase three (MEOK 0150 through 0217). The TYCP includes approximately \$11.8 million for this project.

**Central – Cedar Avenue Channel – Charleston Boulevard (PV = 77.5)**

**CACN 0001** – This project consists of a 10' x 9' reinforced concrete box culvert in Pecos Road extending from Stewart Avenue to the Cedar Avenue Channel. Design is programmed in FY 19/20. The TYCP includes approximately \$0.28 million for this project.

**Central – Cedar Avenue Channel – Stewart Avenue (PV = 77.5)**

**CNST 0000** – This project consists of an 8' x 7' reinforced concrete box culvert in Stewart Avenue extending from Mojave Road to Pecos Road. Design is programmed in FY 19/20. The TYCP includes approximately \$0.25 million for this project.

**Central – Owens Avenue East – Las Vegas Wash to Mojave Road (PV = 77.0)**

**LVOE 0000** – This project consists of a 15' x 12' reinforced concrete box culvert in Owens Avenue extending from Mojave Road to Las Vegas Wash. Design is programmed in FY 18/19 and construction funding is programmed in FY 21/22. The TYCP includes approximately \$15.4 million for this project.

**Central – Owens Avenue East – Mojave Road to Eastern Avenue (PV = 77.0)**

**LVOE 0085** – This project consists of a 13' x 12' reinforced concrete box culvert in Owens Avenue extending from Eastern Avenue to Mojave Road. Design is programmed in FY 19/20. The TYCP includes approximately \$0.53 million for this project.

**Central – Boulder Highway Sahara Avenue – Mojave Road to Boulder Highway (PV = 81.0)**

**BHSA 0000** – This project consists of a 14' x 10' reinforced concrete box culvert in Sahara Avenue extending from Mojave Road to Boulder Highway. Funds are programmed in FY 12/13 to complete an alternative analysis and design is programmed in FY 16/17 upon completion of the alternative analysis. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$3.9 million for this project.

**Central – Boulder Highway Sahara Avenue – Eastern Avenue to Mojave Road (PV = 81.0)**

**BHSA 0026** – This project consists of a 14' x 11' reinforced concrete box culvert in Sahara Avenue from Eastern Avenue to Mojave Road. Design is programmed in FY 17/18 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$11.3 million for this project.

**Central – Sahara Avenue – Eastern Lateral (PV = 81.0)**

**SAEA 0000** – This project consists of a 10' x 8' reinforced concrete box culvert in Eastern Avenue extending from St. Louis Avenue to Sahara Avenue. Design is

*Las Vegas (continued)*

programmed in FY 17/18 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$2.9 million for this project.

**Central – Boulder Highway Sahara Avenue – Maryland Parkway to Eastern Avenue (PV = 81.0)**

**BHSA 0075** – This project consists of a 12' x 11' reinforced concrete box culvert in Sahara Avenue extending from Maryland Parkway to Eastern Avenue. Design is programmed in FY 17/18 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$14.0 million for this project.

**Central – Boulder Highway Sahara Avenue – Las Vegas Boulevard to Maryland Parkway (PV = 81.0)**

**BHSA 0175** – This project consists of a 14' x 14' reinforced concrete box culvert in Sahara Avenue from Las Vegas Boulevard to Maryland Parkway. Design is programmed in FY 18/19 and construction funding is programmed in FY 21/22. The TYCP includes approximately \$20.5 million for this project.

**Central – Las Vegas Wash – Bonanza – Las Vegas Wash to Lamb Boulevard (PV = 79.0)**

**LVBZ 0000** – This project consists of a dual 12' x 7' reinforced concrete box culvert in Bonanza Road extending from Lamb Boulevard to Las Vegas Wash. Design is programmed in FY 19/20. The TYCP includes approximately \$0.76 million for this project.

**Central – Flamingo – Boulder Highway North, Main Street (PV = 80.5)**

**FLBN 0342** – This project consists of a 7' x 4' reinforced concrete box culvert in Main Street extending from Wyoming Avenue to Charleston Boulevard. Design is underway. Construction funding is programmed in FY 13/14. The TYCP includes approximately \$7.5 million for this project.

**Gowan North – Angel Park North – Detention Basin (PV = 82.0)**

**APNO 0001** – This project consists of expansion of the existing Angel Park North Detention Basin from 1,400 acre feet to 1,512 acre feet and construction of an additional spillway. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$9.1 million for this project.

**Gowan North – Gowan Outfall – El Capitan Branch, Lone Mountain to Washburn (PV = 70.0)**

**GOEC 0000 through 0026** – This project consists of reinforced concrete box culvert ranging in size from 10' x 7' to 10' x 8' in El Capitan Way extending from Lone Mountain Road to Washburn Road. Design is programmed in FY 15/16 and construction funding is programmed in FY 18/19. The TYCP includes approximately \$5.1 million for this project.

*Las Vegas (continued)*

**Gowan North – Gowan Outfall – El Capitan Branch, Washburn to Ann Road (PV = 70.0)**

**GOEC 0051 through 0076** – This project consists of reinforced concrete box culvert ranging in size from 10' x 6' to 10' x 7' in El Capitan Way extending from Washburn Road to Ann Road. Design is programmed in FY 19/20. The TYCP includes approximately \$0.34 million for this project.

**Gowan North – Gowan Outfall – Rancho, Craig to Alexander (PV = 79.5)**

**GOAL 0100 through 0111** – This project consists of 10' x 8' reinforced concrete box culvert in Rancho Road extending from Craig Road to Alexander Road. Design is programmed in FY 16/17 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$6.9 million for this project.

**Upper Northern LV Wash – Ann Road – Rancho Road System – Fort Apache to Grand Canyon (PV = 78.0)**

**RCHB 0275** – This project consists of a 7' x 6' reinforced concrete box culvert in Elkhorn Road extending from Grand Canyon Drive to Fort Apache Road. Design is underway. Construction funding is programmed in FY 14/15. The TYCP includes approximately \$3.2 million for this project.

**Upper Northern LV Wash – Ann Road – Rancho Road System – Grand Canyon to Hualapai Way (PV = 78.0)**

**RCHB 0295** – This project consists of a 7' x 6' reinforced concrete box culvert in Elkhorn Road extending from Hualapai Way to Grand Canyon Drive. Design is programmed in FY 15/16 and construction funding is programmed in FY 18/19. The TYCP includes approximately \$3.8 million for this project.

**Upper Northern LV Wash – Ann Road – Rancho Road System – Beltway to Echelon Point (PV = 83.0)**

**RCHB 0227** – This project consists of an 11' x 8' reinforced concrete box culvert along CC 215 and Fort Apache Road to Echelon Point Drive. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$3.1 million for this project.

**Upper Northern LV Wash – Ann Road – Rancho Road System – Echelon Point to Elkhorn Road (PV = 83.5)**

**RCHB 0250** – This project consists of an 11' x 8' reinforced concrete box culvert in Fort Apache Road extending from Elkhorn Road to Echelon Point Drive. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$5.3 million for this project.

*Las Vegas (continued)*

**Upper Northern LV Wash – Ann Road Channel West – Rainbow Boulevard (PV = 82.5)**

**ANRB 0000** – This project consists of a reinforced concrete box culvert ranging in size from 11' x 5' to 10' x 3' in Rainbow Boulevard extending from approximately El Campo Grande Avenue to Ann Road. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$4.8 million for this project.

**Upper Northern LV Wash – Upper Western Tributary – Centennial Parkway Channel West – U.S. 95, Deer Springs to Elkhorn Road (PV = 82.5)**

**CN95 0000** – This project includes a concrete open channel along the west side of US-95 from Deer Springs Way to Elkhorn Road. Design is programmed in FY 14/15 and construction funding is programmed in FY 17/18. The TYCP includes approximately \$3.5 million for this project.

**Upper Northern LV Wash – Upper Western Tributary – Centennial Parkway Channel West – U.S. 95, Elkhorn Road to Durango Drive (PV = 82.5)**

**CN95 0068** – This project includes a triple barrel 8' x 7' reinforced concrete box culvert along the west side of US-95 from Elkhorn Road to Durango Drive. Design is programmed in FY 15/16 and construction funding is programmed in FY 18/19. The TYCP includes approximately \$10.0 million for this project.

**Upper Northern LV Wash – Upper Western Tributary – Centennial Parkway Channel West – CC 215, Pioneer to U.S. 95 (PV = 82.5)**

**CNWE 0301 through 0304** – This project includes open channel improvements and a 32' x 10' reinforced concrete box culvert along the north side of CC 215 from the Pioneer Way alignment to US-95. Design will be completed by Nevada Department of Transportation. Construction funding is programmed in FY 15/16. The TYCP includes approximately \$15.1 million for this project.

**Upper Northern LV Wash – Upper Western Tributary – Centennial Parkway Channel West – U.S. 95, CC 215 to Deer Springs (PV = 82.5)**

**CNWE 0325** – This project includes a 32' x 10' reinforced concrete box culvert along the west side of US-95 extending from CC 215 to Deer Springs Way. Design is programmed in FY 14/15 and construction funding is programmed in FY 17/18. The TYCP includes approximately \$9.0 million for this project.

**Upper Northern LV Wash – Upper Western Tributary – Brent Drainage System – Durango Drive to El Capitan Way (PV = 78.5)**

**BRDB 0107 through 0157** – This project consists of a 12' x 6' reinforced concrete box culvert in El Capitan Way extending from Iron Mountain Road to Brent Lane and an 8' x 6' reinforced concrete box culvert in Brent Lane extending from El Capitan Way to Durango Drive. Design is programmed in FY 16/17 and construction funding is

*Las Vegas (continued)*

programmed in FY 19/20. The TYCP includes approximately \$6.4 million for this project.

**Upper Northern LV Wash – Upper Western Tributary – Brent Drainage System – Floyd Lamb Park to Durango Drive (PV = 78.5)**

**BRDB 0043** – This project consists of an 8' x 6' reinforced concrete box culvert in Brent Lane extending from Durango Drive to the South Environmental Enhancement Area. Design is programmed in FY 14/15 and construction funding is programmed in FY 17/18. The TYCP includes approximately \$4.1 million for this project.

**Upper Northern LV Wash – Upper Western Tributary – Las Vegas Wash – Grand Teton, Mountain Spa to Durango Drive (PV = 80.5)**

**LVMD 2632 through 2789** – This project consists of a reinforced concrete box culvert ranging in size from 6' x 5' to 18' x 5' in Grand Teton Drive extending from Durango Drive to just west of Rainbow Boulevard. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$15.9 million for this project.

The funding programmed for the Upper Northern Las Vegas Wash, Central Basin and Gowan Planning Areas in Las Vegas totals approximately \$219.8 million on the TYCP.

**NORTH LAS VEGAS**  
Lower Northern Las Vegas Wash Planning Area  
Range Wash Planning Area and  
Lower Las Vegas Wash Planning Area

Projects being undertaken within these planning areas are being administered by either North Las Vegas, Las Vegas, or Clark County. A summary of the proposed program, along with major accomplishments for the City of North Las Vegas is shown on the attached map labeled “Lower North, Range, and Lower Las Vegas Wash Basins Planning Area”. Projects completed or funded for construction since 1987 include:

**“A” Channel Three Bridges Project (Cheyenne Avenue, Las Vegas Boulevard, and Carey Avenue)**

**Ann Road, Allen Lane to Rancho Drive**

Las Vegas is the Lead Entity

**Camino Al Norte Crossing**

Part of the Western Tributary of the Las Vegas Wash (first developer participation contract with the District)

**Centennial Parkway Channel East**

**Cheyenne Peaking Basin, Collection and Outfall – Alexander Road to Cheyenne Avenue**

**Confluence Detention Basin**

Clark County is the Lead Entity

**Freeway Channel – Owens Avenue to Miller Avenue – Phase I and Phase II**

**Kyle Canyon Detention Basin**

**Las Vegas Wash Improvements and King Charles Diversion Project**

From I-15 to Craig Road

**Las Vegas Wash – Las Vegas Boulevard to Cheyenne Avenue**

**Las Vegas Wash – Losee Road**

**Las Vegas Wash Main Branch – Las Vegas Boulevard to Lake Mead Boulevard**

**Lower Las Vegas Wash Detention Basin**

A joint use recreation facility

*North Las Vegas (continued)*

**Rancho Road System - Centennial Parkway to Rancho Road Detention Basin**

Las Vegas is the Lead Entity

**Range Wash – Lamb Boulevard Storm Drain**

**Simmons Street Channel**

**Simmons Street – Phase II, Carey to Cheyenne**

**Sloan Channel, Las Vegas Wash to Charleston Boulevard**

Clark County is the Lead Entity

**Sloan Channel - Stewart Avenue to Charleston Boulevard**

Clark County is the Lead Entity

**Tributary to the Western Tributary at Alexander Road**

**Tributary to the Western Tributary at Craig Road (“A” Channel Craig Confluence)**

**Tropical Parkway Channel East**

**Upper Las Vegas Wash**

**Upper Las Vegas Wash Detention Basin and Diversion Dike**

Located on the Las Vegas Wash at the upstream area of the Las Vegas Valley

**Upper Las Vegas Wash, Craig Road to Elkhorn Road (Phase I – Centennial Parkway to Craig Road)**

**Vandenberg Detention Basin**

**Washington Collection System**

Clark County is the Lead Entity

**West Range Wash Diversion Dike**

**Western Tributary of the Las Vegas Wash**

Camino Al Norte to Centennial Parkway (excluding the reach between the Lower Las Vegas Wash Detention Basin and Clayton Street)

**Western Tributary of the Las Vegas Wash**

From Alexander Road to north of Craig Road

## REGIONAL FLOOD CONTROL DISTRICT – FY 2013 THROUGH FY 2022

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### *North Las Vegas (continued)*

District funds since 1987 for the projects plus design efforts on future projects total approximately \$247,388,190.

Projects proposed on the TYCP in hydrographic basin order with Priority Value (PV) include the following:

**Lower Northern Las Vegas Wash – Lower Western Tributary – Las Vegas Boulevard Drain (PV = 83.0)**

**LVLV 0000** – This project consists of a double barrel 10' x 9' reinforced concrete box culvert in Las Vegas Boulevard extending from Pecos Road to Las Vegas Wash. Design is programmed in FY 19/20 and Right-of-Way Acquisition is programmed in FY 20/21. The TYCP includes approximately \$1.4 million for this project.

**Lower Northern Las Vegas Wash – Lower Western Tributary – Colton Channel I-15 to Fifth Street (PV = 91.5)**

**LVCL 0000** – This project consists of reinforced concrete box culverts ranging in size from 9' x 6' to 12' x 6' in Colton Avenue from Fifth Street to I-15 Freeway Channel. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$3.5 million for this project.

**Lower Northern Las Vegas Wash – Lower Western Tributary – Brooks Channel (PV = 83.5)**

**LVBR 0000, 0005, 0011, 0014, and 0026** – This project consists of a concrete channel and a reinforced concrete box culvert at North Fifth Street. The facility begins at the east end of Mayflower Avenue and extends east to the I-15 corridor. Design is underway. Right-of-Way Acquisition and construction funding are programmed in FY 12/13. The TYCP includes approximately \$0.50 million for this project.

**Lower Northern Las Vegas Wash – Lower Western Tributary – Las Vegas Wash – N Channel, Cheyenne to Gowan (PV = 80.0)**

**LVNC 0038** – This project consists of channel improvements to the N Channel extending from Gowan Road to Cheyenne Avenue. Design and Right-of-Way Acquisition are programmed in FY 12/13. Construction funding is programmed in FY 13/14. The TYCP includes approximately \$1.3 million for this project.

**Lower Northern Las Vegas Wash – Las Vegas Wash Craig – Fifth Street Collector – Centennial Parkway to Deer Springs (PV = 81.0)**

**LV5C 0000 and 0002** – This project consists of a reinforced concrete box culvert ranging in size from 10' x 6' to 15' x 6' in North Fifth Street extending from Deer Springs Way to Centennial Parkway. Design is programmed in FY 12/13 and Right-of-Way Acquisition is programmed in FY 13/14. Construction funding is programmed in FY 14/15. The TYCP includes approximately \$4.4 million for this project.

*North Las Vegas (continued)*

**Lower Northern Las Vegas Wash – Las Vegas Wash Craig – Ann Road Channel East, Las Vegas Wash to Fifth Street (PV = 82.0)**

**ANEA 0008 and 0040** – This project consists of a reinforced concrete box storm culvert ranging in size from 8' x 7' to 10' x 7' in Ann Road extending from North Fifth Street to a confluence with the Upper Las Vegas Wash Channel. Design is underway. Right-of-Way Acquisition is programmed in FY 12/13. Construction funding is programmed in FY 13/14. The TYCP includes approximately \$6.4 million for this project.

**Lower Las Vegas Wash – Las Vegas Wash, Sloan Channel to Flamingo Confluence (PV = 81.5)**

**LVMD 0883 and 0911** – This project consists of a new 120-foot wide bridge structure at the Desert Rose Golf Course and channel improvements extending from Sloan Lane to approximately 500-feet west of the Sloan Channel Confluence with Las Vegas Wash. Design is programmed in FY 12/13. Construction funding is programmed in FY 13/14. The TYCP includes approximately \$3.0 million for this project.

**Range Wash – Lower Range – Range Wash – Alto Conveyance, Confluence DB to Los Feliz (PV = 74.0)**

**RWAL 0000 through 0068** – This project consists of open channel improvements along the Alto Avenue alignment extending from the Confluence Detention Basin to Los Feliz Street. Design is programmed in FY 18/19 and Right-of-Way Acquisition is programmed in FY 19/20. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$4.8 million for this project.

**Range Wash – Lower Range – Orchard Collector – Charleston Boulevard to Linden Avenue (PV = 93.0)**

**SLOR 0158** – This project consists of a soil cement lined levee that will extend north from Charleston Boulevard along the base of Sunrise Mountain to the Linden Avenue alignment. This facility will collect flows draining east off the mountain and convey them south to the Orchard Detention Basin located south of Charleston Boulevard. Design is underway. Construction funding is programmed in FY 13/14. The TYCP includes approximately \$0.20 million for this project.

**Range Wash – Lower Range – Owens Detention Basin and Outfall (PV = 85.5)**

**SLWA 0130 through 0175 & SLOW 0000 through 0005** – This project consists of an 88 acre foot detention basin, spillway, collection facilities and an outfall pipe ranging in size from 24" to 48" in diameter located east of Hollywood Boulevard and south of Owens Avenue. Design is programmed in FY 15/16 and Right-of-Way Acquisition is programmed in FY 16/17. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$5.4 million for this project.

**Range Wash – West Range – Beltway Detention Basin & Channel (PV = 86.5)**

**RWRR 0107 through 0221** – This project consists of a 226 acre foot detention basin, spillway, and an outfall structure including a 24" diameter reinforced concrete pipe,

*North Las Vegas (continued)*

6' x 6' reinforced concrete box culvert and rip rap channel located along the west side of the Union Pacific Railroad, south of the northern Beltway. Design is programmed in FY 14/15 and Right-of-Way Acquisition is programmed in FY 15/16. Construction funding is programmed in FY 17/18. The TYCP includes approximately \$5.0 million for this project.

**Range Wash – West Range – Centennial Collector (PV = 82.0)**

**RWCC 0000** – This project includes a 10' x 7' reinforced concrete box culvert in Centennial Parkway extending from Palmer to Pecos Road. Design is programmed in FY 12/13 and Right-of-Way Acquisition is programmed in FY 13/14. Construction funding is programmed in FY 14/15. The TYCP includes approximately \$2.3 million for this project.

**Range Wash – West Range – Vandenberg North Detention Basin, Collection & Outfall (PV = 87.0)**

**RWWE 0397 through 0439** – This project includes a 290 acre foot detention basin and spillway located at Centennial Parkway and Pecos Road with associated collection channels extending east of the basin. The outfall is a 24" reinforced concrete pipe in Pecos Road to Centennial Parkway. Design is programmed in FY 13/14 and construction funding is programmed in FY 16/17. The TYCP includes approximately \$11.0 million for this project.

**Range Wash – West Range – Beltway Collection System – Pecos Road (PV = 79.5)**

**RWWE 0463 and RWBW 0000** – This project consists of a 12' x 9' and a 9' x 6' reinforced concrete box culvert located along the north side of the Northern Beltway at Pecos Road. Design is programmed in FY 16/17 and Right-of-Way Acquisition is programmed in FY 17/18. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$6.7 million for this project.

**Range Wash – East Range – Hollywood System, Las Vegas Blvd to Azure (PV = 82.0)**

**RWHW 0173 through 0201** – This project consists of a reinforced concrete box culvert ranging in size from 10' x 8' to 12' x 10' in Hollywood Boulevard extending from Azure Avenue to Las Vegas Boulevard near the Las Vegas Motor Speedway. Design and Right-of-Way Acquisition are programmed in FY 17/18. Construction funding is programmed in FY 20/21. The TYCP includes approximately \$12.8 million for this project.

**Range Wash – East Range – Hollywood System, Azure to Speedway #2 Detention Basin (PV = 82.0)**

**RWHW 0277 through 0412** – This project consists of upgrading two existing retention basins to detention basins with volumes of 77 acre-feet and 245 acre-feet, respectively, open channel improvements, 9' x 8' reinforced concrete box culvert and 78-inch diameter reinforced concrete pipe along Hollywood Boulevard extending from Azure

*North Las Vegas (continued)*

Avenue to the north side of I-15 near the Las Vegas Motor Speedway. Design is programmed in FY 18/19 and Right-of-Way Acquisition is programmed in FY 19/20. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$9.1 million for this project.

**Range Wash – East Range – Speedway North Detention Basin (PV = 82.0)**

**RWHW 0500** – This project consists of an 843 acre feet detention basin located north of the Union Pacific Railroad near the Las Vegas Motor Speedway. Design is programmed in FY 15/16 and Right-of-Way Acquisition is programmed in FY 16/17. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$4.7 million for this project.

The funding programmed for the Lower Northern Las Vegas Wash, Range Wash, and Lower Las Vegas Wash Planning Areas in North Las Vegas totals approximately \$82.5 million on the TYCP.

**CLARK COUNTY**

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

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

**Las Vegas Valley:**

**Annie Oakey Drive at Rawhide Channel Storm Drain, Local Drainage Project**

**Blue Diamond Channel, Jones Branch**

**Blue Diamond Channel – Rainbow Branch**

**Blue Diamond Wash South Rainbow, Pebble – Raven and Wigwam to Ford**

**Blue Diamond Wash Wigwam, Jones Boulevard to Rainbow Boulevard**

**Blue Diamond Wash Wigwam, UPRR to Jones Boulevard**

**Carey Avenue Storm Drain, Local Drainage Project**

**Desert Inn Detention Basin Collection System and Outfall**

**Duck Creek at Robindale Road**

**Duck Creek, Broadbent Boulevard Bridge and Channel**

**Duck Creek, Broadbent Boulevard to Boulder Highway**

**Duck Creek, Eldorado Lane to Spencer Street**

**Duck Creek, Emerald Avenue to Stephanie Street, Phase I**

**Duck Creek, Lower Detention Basin to Silverado Ranch Boulevard**

**Duck Creek, Mountain Vista Street to Green Valley Parkway**

**Duck Creek, Phase II and Lower Pittman**

**Duck Creek, Railroad Detention Basin**

*Clark County (continued)*

**Duck Creek, Railroad near Warm Springs to Topaz Street**

**Duck Creek, Robindale to I-215**

**Duck Creek, Tomiyasu Lane to the Railroad near Warm Springs**

**Duck Creek, Tomiyasu Lane to Topaz Street**

**Duck Creek, Topaz Street to Eastern Avenue**

**Duck Creek, US-95 Branch**

**Durango Collector**

**Flamingo – Boulder Highway North, Sahara Avenue to Flamingo Wash**

**Flamingo Diversion – Jones Branch**

**Flamingo Diversion – South Buffalo Branch, Flamingo Wash to Sunset Road**

**Flamingo Hacienda**

**Flamingo Wash, Algonquin Drive to Maryland Parkway**

**Flamingo Wash, Nellis Boulevard to I-515**

**Flamingo Wash at Boulder Highway**

**Flamingo Wash Bridges**

At Arville, Eastern, Paradise, and Palo Verde

**Flamingo Wash, Boulder Highway to Mojave Road (Miracle Mile)**

**Flamingo Wash, Desert Inn to Eastern Avenue**

**Flamingo Wash, I-515 to Boulder Highway**

**Flamingo Wash, Spencer Street Bridge and Approach Channel**

**Hickam Avenue Storm Drain, Local Drainage Project**

**Lakes Detention Basin, Collection, and Outfall System**

A joint use recreation facility

*Clark County (continued)*

**Las Vegas Blvd/Serene Avenue Storm Drain, Local Drainage Project**

**Lower Blue Diamond Detention Basin**

**Lower Blue Diamond Detention Basin Collector Channel**

**Lower Blue Diamond Detention Basin Outfall**

**Lower Duck Creek Detention Basin and Outfall Channel**

**Lower Flamingo Detention Basin**

**Muddy River, Cooper Street Bridge**

**Olive Street Storm Drain, US-95 to Palm Street, Local Drainage Project**

**Orchard Detention Basin**

**Rawhide Channel at Sagebrush Street**

**Rawhide Channel System**

**Red Coach Avenue/Cimarron Road Improvements, Local Drainage Project**

**Red Rock Channel, Naples Branch**

**Red Rock Channel, Naples Branch – Flamingo Connector**

**Sloan Channel, Las Vegas Wash to Charleston Boulevard**

**Sunrise Avenue Area Storm Drain, Local Drainage Project**

**Sunrise Avenue Storm Drain, Fogg Street to Clayton Street, Local Drainage Project**

**Tomiyasu and La Casita Crossings of Duck Creek**

**Tropicana North Branch Detention Basin**

**Tropicana Wash at Swenson Street**

**Tunis Avenue and Karvel Street Storm Drain, Local Drainage Project**

**Twain at Pecos-McLeod Storm Drain, Local Drainage Project**

*Clark County (continued)*

**Upper Duck Creek Detention Basin**

**Tropicana and Flamingo Washes Project:**

- **Blue Diamond and Red Rock Channels (Beltway Sections 7A, 7B, 8, and 9)**
- **Blue Diamond Channel – Durango Reach (Warm Springs Intersection)**
  
- **Blue Diamond Detention Basin**
- **F-1 Channel, Beltway to Hualapai Way**
- **F-1 and F-2 Debris Basins and Channels, Phase II**
- **F-4 Debris Basin and Channel**
- **Flamingo Detention Basin Expansion**
- **Lower Blue Diamond Channel**
- **Lower Flamingo Diversion Channel, Phase I (Tropicana Detention Basin to Jones Boulevard)**
- **Lower Red Rock Complex**
- **R-4 Detention Basin and Channel**
- **Red Rock Channel (Beltway Section 10A)**
- **Red Rock Detention Basin Expansion**
- **Red Rock Detention Basin Scour Protection and Outfall Channel**
- **Tropicana Detention Basin and Outfall Channel**
- **Upper Blue Diamond Diversion Channel**
- **Upper Flamingo Detention Basin Expansion**
- **Upper Flamingo Diversion Channel, Phase II**

**Tropicana Wash Channel**

Paradise Road to Koval Lane

*Clark County (continued)*

**Upper Flamingo Detention Basin and Outfall System**

**Van Buskirk Channel System**

**Washington Collection System (Montridge Storm Drain)**

**Winnick Avenue Improvements**  
On the Flamingo Wash

**Outlying Areas:**

**Bunkerville Detention Conveyance System (Windmill Wash)**

**Bunkerville – Windmill Wash Outfall**

**Cooper Crossing in Moapa Valley**

**Hiko Springs Detention Basin (SID and District funded)**

**Hiko Springs Outfall Channel**

**Indian Springs Detention Basin**

**Logan (Benson) Wash Improvements in Moapa Valley**

**Muddy River, Gubler Avenue Bridge**

**Searchlight Flood Control Improvements**

**Unnamed Wash Improvements in Laughlin**

District funding since 1987 for the projects plus design efforts of future projects total approximately \$432,387,578.

The projects proposed on the TYCP for Clark County within the Las Vegas Valley in hydrographic basin order with Priority Value (PV) include the following:

**Tropicana/Flamingo – F4 Patrick Lane/Fort Apache Road Lateral (PV = 69.5)**

**FLOQ 0000** – This project includes a 12' x 8' reinforced concrete box culvert intercepting flow in Fort Apache Road and Patrick Lane and conveying it to the F-4 Channel near CC-215. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$1.9 million for this project.

*Clark County (continued)*

**Tropicana/Flamingo – Flamingo Diversion – Rainbow Branch, Russell Road to Sunset Road (PV = 93.5)**

**FLRB 0050 through 0062** – This project is a tributary to the Flamingo Diversion Channel in Rainbow Boulevard. The project includes reinforced concrete box culvert ranging in size from 12' x 3' to 14' x 6' in Rainbow Boulevard from Sunset Road to Russell Road. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$9.3 million for this project.

**Tropicana/Flamingo – Lower Flamingo – Las Vegas Wash – Flamingo Confluence to Charleston Boulevard (PV = 100.00)**

**LVMD 0916 through 1069** – This project consists of open channel improvements along Las Vegas Wash extending from the confluence with Flamingo Wash to Charleston Boulevard and bridge improvements at Sahara Avenue, Nellis Boulevard and Charleston Boulevard. Design is underway. Construction funding is programmed in FY 16//17. The TYCP includes approximately \$23 million for this project.

**Tropicana/Flamingo – Wagon Trail Channel – Sunset Road to Teco (PV = 87.5)**

**WGTR 0111** – This project includes a 10' x 6' reinforced concrete box culvert in Procyon Street extending from Sunset Road to Teco Avenue. Design and Right-of-Way Acquisition are programmed in FY 13/14. Construction funding is programmed in FY 15/16. The TYCP includes approximately \$1.6 million for this project.

**Tropicana/Flamingo – Vegas Valley Drive – Flamingo Wash to Pecos Road (PV = 79.5)**

**VAVD 0000 and 0025** – This project includes an 84" reinforced concrete pipe and an 8' x 6' reinforced concrete box culvert in Vegas Valley Drive extending from Burnham Avenue to the Flamingo Wash. Design is programmed in FY 18/19 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$7.4 million for this project.

**Tropicana/Flamingo – Flamingo Wash, Industrial Road to Hotel Rio Drive (PV = 84.0)**

**FLWA 0893 and 0896** – This project consists of open channel improvements in Flamingo Wash extending from Industrial Road to Hotel Rio Drive. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$1.2 million for this project.

**Tropicana/Flamingo – Las Vegas Wash – Tropicana Avenue Conveyance – Morris Street to Mountain Vista Street (PV = 83.0)**

**LV01 0151** – This project includes an 84" diameter reinforced concrete storm drain in Tropicana Avenue extending from Mountain Vista Street to Morris Street. Design is programmed in FY 12/13 and construction funding is programmed in FY 15/16. The TYCP includes approximately \$4.0 million for this project.

*Clark County (continued)*

**Tropicana/Flamingo – Las Vegas Wash – Boulder Highway (PV = 80.0)**

**LVBH 0000** – This project includes a 12' x 8' reinforced concrete box culvert in Harmon Avenue extending from Nellis Boulevard to Boulder Highway and in Boulder Highway from Harmon Avenue to Tropicana Boulevard. Design is programmed in FY 19/20 and construction is programmed in FY 21/22. The TYCP includes approximately \$12.2 million for this project.

**Tropicana/Flamingo – Las Vegas Wash – Tropicana Avenue Conveyance – Las Vegas Wash to Morris Street (PV = 83.5)**

**LV01 0001 through 0135** – This project includes a reinforced concrete box culvert, reinforced concrete pipe and trapezoidal concrete channel of varying sizes along Tropicana Avenue extending from Morris Street to the Las Vegas Wash. Design is underway. Construction funding is programmed in FY 14/15. The TYCP includes approximately \$9.6 million for this project.

**Tropicana/Flamingo – Las Vegas Wash – Branch 02, Monson Channel – Las Vegas Wash to Boulder Highway (PV = 77.5)**

**LV02 0001 through 0294** – This project consists of a concrete box culvert along Flamingo Road from Boulder Highway to Nellis Boulevard; replacement of existing bridge structures along the south side of Flamingo Road at a driveway entrance and at Canal Street; and concrete lined channel beginning at Flamingo Road and Jimmy Durante Boulevard extending south and east to the Las Vegas Wash. Design is programmed in FY 19/20. The TYCP includes approximately \$1.0 million for this project.

**Duck Creek/Blue Diamond – Blue Diamond Wash – Arville Street to I-15 (PV = 81.0)**

**BDWA 0276** – This project is a 66" diameter reinforced concrete pipe storm drain in Robindale Road from Arville Street to I-15. Design is programmed in FY 14/15 and construction funding is programmed in FY 17/18. The TYCP includes approximately \$4.5 million for this project.

**Duck Creek/Blue Diamond – Lower Blue Diamond Detention Basin Collector Channel**

**BDWA 0477 through 0613** – This project has been constructed in partnership with the Nevada Department of Transportation (NDOT). NDOT reimbursement was programmed in FY 11/12 consistent with Resolution 04-4 adopted by the Board. The TYCP includes approximately \$8.0 million for this project.

**Duck Creek/Blue Diamond – Duck Creek/Blue Diamond, Bermuda Road to Las Vegas Boulevard (PV = 83.0)**

**DCBD 0075, 0082 and 0084** – This project includes reinforced concrete box culverts of varying size and concrete open channel along Duck Creek, Blue Diamond Wash extending from Placid Street to Bermuda Road. Design is programmed in FY 15/16 and

*Clark County (continued)*

construction funding is programmed in FY 18/19. The TYCP includes approximately \$4.6 million for this project.

**Duck Creek/Blue Diamond – Blue Diamond Channel, Amigo Street to Rancho Destino (PV = 88.0)**

**BDWA 0087 through 0174** – This project includes reinforced concrete box culverts ranging in size from 10' x 5' to 12' x 6' along Blue Diamond Wash extending from Rancho Destino Road to Amigo Street. Design is programmed in FY 16/17 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$7.9 million for this project.

**Duck Creek/Blue Diamond – Blue Diamond Channel 02, I-15 to Decatur Boulevard (PV = 81.5)**

**BD02 0125 through 0312 and 0359** – This project includes a 170 acre foot detention basin and reinforced concrete box culvert, pipe and channel of varying sizes. The detention basin is located south of Silverado Ranch Boulevard and west of Arville Street and the outfall pipe is located in Silverado Ranch Boulevard extending from the detention basin to I-15. Design is programmed in FY 18/19 and construction funding is programmed in FY 21/22. The TYCP includes approximately \$16.2 million for this project.

**Duck Creek/Blue Diamond – Blue Diamond Wash Railroad (PV = 87.5)**

**BDW5 0026** – This project will focus on early right-of-way acquisition for future channel improvements adjacent to a UPRR spur that extends from Blue Diamond Road to Rainbow Boulevard. Right-of-Way Acquisition is programmed in FY 12/13 and design is programmed in FY 18/19. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$3.8 million for this project.

**Duck Creek/Blue Diamond – Duck Creek Wash Tributary 4 – Jones Boulevard to Decatur Boulevard (PV = 80.5)**

**DCW4 0216 through 0224** – This project includes reinforced concrete box culverts ranging in size from 8' x 6' to 10' x 6' in Pyle Avenue from Jones Boulevard to Decatur Boulevard. Design is programmed in FY 17/18 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$8.3 million for this project.

**Duck Creek/Blue Diamond – Duck Creek Wash Tributary 4 – Detention Basin to Jones Boulevard (PV = 80.5)**

**DCW4 0298** – This project is the outfall pipe for the Duck Creek Railroad Detention Basin. The facility is an 8' x 5' reinforced concrete box culvert in Pyle Avenue extending from the Union Pacific Railroad to Jones Boulevard. Design is programmed in FY 16/17 and construction funding is programmed in FY 19/20. The TYCP includes approximately \$4.8 million for this project.

*Clark County (continued)*

**Duck Creek/Blue Diamond – Duck Creek at Dean Martin Drive (PV = 79.5)**

**DCWA 1447** – This project includes a triple barrel 14' x 6' reinforced concrete box culvert for Duck Creek Wash where it crosses Dean Martin Drive about 800' south of Cactus Avenue. Design is programmed in FY 17/18 and construction funding is programmed in FY 20/21. The TYCP includes approximately \$1.1 million for this project.

**Duck Creek/Blue Diamond – Duck Creek – Sunset Road to Sandhill Road (PV = 82.5)**

**DCWA 0648, 0656 and 0670** – This project includes an open channel improvements for Duck Creek Wash extending from Sandhill Road to Sunset Road. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$2.1 million for this project.

The funding programmed for the Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Areas in Clark County (Las Vegas Valley) totals approximately \$132.5 million on the TYCP.

The projects proposed on the TYCP for the Outlying Areas of Clark County include the following:

**Goodsprings – Goodsprings – Phase I**

**GSEA 0000, GSPA 0027 and 0029 & GSRV 0019** – This project consists of a riprap channel in Pacific Street and Revere Street discharging to the natural watercourse on the north side of Goodsprings. Design is underway. Right-of-Way Acquisition and construction funding are programmed in FY 12/13. The TYCP includes approximately \$0.40 million for this project.

**Muddy River and Tributaries – Fairgrounds – Detention Basin**

**FGWS 0000 through 0166** – This project is a 130 acre foot detention basin and outfall facility located north of the Clark County Fair Grounds near Whipple Avenue and Heyer Street. Design is underway. Construction funding is programmed in FY 13/14. The TYCP includes approximately \$5.6 million for this project.

**Muddy River and Tributaries – Muddy River Logandale Levee**

**MRL 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. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$3.8 million for this project.

**Muddy River and Tributaries – Ramos Ranch to Bryner Avenue**

**MRLV 0350, 0357, 0377, and 0388** – This project consists of open channel improvements beginning near Ramos Ranch Road and extending south to the Bryner

*Clark County (continued)*

Avenue alignment. Design is underway. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$12.1 million for this project.

**Mount Charleston – Rainbow Canyon Boulevard Bridge**

**MTCH 0001** – This project consists of a new bridge structure for Rainbow Canyon Boulevard, just south of Kyle Canyon Road. Design is programmed in FY 13/14 and construction funding is programmed in FY 14/15. The TYCP includes approximately \$0.90 million for this project.

**Laughlin – Hiko Detention Basin Expansion**

**LUHS 0244** – This project consists of the expansion of the Hiko Springs Detention Basin by 310 acre feet to accommodate diversion of the Bridge Canyon flow. Design is programmed in FY 13/14 and construction funding is programmed in FY 14/15. The TYCP includes approximately \$1.4 million for this project.

**Laughlin – SR 163 at Casino Drive**

**LUBC 0000 through 0031** – This project consists of open channel improvements along the south side of SR 163 beginning near Thomas Edison Way and continuing east to the Colorado River. Design is underway. Additional design funds are programmed in FY 12/13. Construction funding is programmed in FY 13/14. The TYCP includes approximately \$0.90 million for this project.

**Searchlight – South, Encinitas St. Storm Drain**

**SRSO 0000 through 0030** – This project consists of a 72” diameter reinforced concrete storm drain in Encinitas Street extending from Nevada Street to Washington Street and continuing south in Washington Street to Hobson Street outletting to the natural wash on the southeast side of the town. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$1.3 million for this project.

**Bunkerville – Windmill Wash Detention Basin Expansion**

**WIWA 0039, WIJE 0000 and JEWA 0166** – This project consists of the expansion of the existing Windmill Wash Detention Basin in Bunkerville from 522 acre feet to 887 acre feet and improvements to the existing levee in the Jess Waite Wash. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$2.1 million for this project.

The TYCP for the Outlying Areas of Clark County totals approximately \$28.5 million.

In all, among the Tropicana/Flamingo, Duck Creek, Blue Diamond, and Outlying Planning Areas, Clark County has programmed approximately \$161.0 million for flood control facilities over the next ten years.

**BOULDER CITY**

Projects completed or funded for construction since 1987 include:

**Bootleg Canyon Detention Basin Outfall**

**Bootleg Canyon Detention Basin, Phase II**

**Buchanan Boulevard Channel**

**Buchanan Watershed Facilities**

**Georgia Avenue Channel**

**Hemenway Wash Improvements**  
A joint use recreation facility

**Industrial Road Facilities**

**North Railroad Conveyance**

**Valley View and DD Facilities**

**Veteran’s Memorial Detention Basin**

**Ville Drive Flood Control Improvements**

**West Airport Facilities**

**West Airport Watershed, including West Adams Boulevard and Georgia Avenue Improvements**

**Yucca Debris Basin, Collection and Outfall**

**Yucca Street Drainage**

District funding since 1987 for the projects plus design efforts of future projects total approximately \$24,145,201.

The projects proposed on the TYCP for Boulder City in hydrographic basin order include the following:

**Georgia/Buchanan – Buchanan Blvd., Phase III Improvements**

**GBAP 0001, GBGR 0001 & GBBC 0110, 0149 and 0153** – This project includes the lower reach of a drainage channel located on the eastern boundary of the Boulder City Airport; reconstruction of crossings along Buchanan Boulevard at El Camino Way, at

***Boulder City (continued)***

Clubhouse Road and across Buchanan Boulevard near Quail Drive; and the replacement of a portion of an existing storm drain in Buchanan Boulevard from Adams Boulevard to El Camino Way. Design is underway. Construction funding is programmed in FY 12/13. The TYCP includes approximately \$3.8 million for this project.

**Hemenway – Hemenway System, Phase II Improvements**

**HMLV 0006 and 0019, HMTH 0034, HMLM 0066 and 0085 and HMWA 0005, 0105, 0158, 0173, 0175, and 0182** – This project consists of the reconstruction of an existing grouted rip rap channel with a concrete channel located north of Fire Agate Drive, between US-93 and Quartzite Road; revisions to the existing earthen levee located southwest of the Trailhead Detention Basin to enlarge the structure and line with rip rap; increase the volume of the Lake Mountain Drive Detention Basin and construction of a new grate structure for the outlet pipe downstream of the basin; and improvements to the Hemenway Channel system located along the north side of US-93 including concrete lining of the channel sides and construction of two sediment basins at the upstream end of the system. Design is underway. Construction funding is programmed in FY 14/15. The TYCP includes approximately \$1.0 million for this project.

The funding programmed for Boulder City totals approximately \$4.8 million on the TYCP.

**MESQUITE**

City of Mesquite projects completed or funded for construction since 1987 include:

**Abbott Wash Conveyance System, Pioneer Boulevard to the Virgin River**

**Town Wash Conveyance, I-15 to the Virgin River**

**Town Wash Detention Basin**

District funding since 1987 for these projects plus design efforts of future projects totals approximately \$23,964,631.

The projects proposed on the TYCP for Mesquite in hydrographic basin order include the following:

**Town Wash – Mesa Boulevard, Pioneer to Town Wash**

**TWMB 0000 through 0022, and TOWA 0120** – This project includes open channel improvements and 12' X 7' reinforced concrete box culvert extending from Town Wash to Pioneer Boulevard. Design is programmed in FY 13/14 and construction funding is programmed in FY 16/17. The TYCP includes approximately \$0.90 million for this project.

**Town Wash Mesa Boulevard, Chaparral to Pioneer**

**TWMB 0024 through 0094** – This project includes open channel improvements, 7' X 7' reinforced concrete box culvert and 60 inch diameter reinforced concrete pipe extending north and east from Pioneer Boulevard to Chaparral Drive. Design and Right-of-Way Acquisition are programmed in FY 15/16. Construction funding is programmed in FY 18/19. The TYCP includes approximately \$4.7 million for this project.

**Virgin River Flood Wall**

**VREC 0000, 0028, and 0054** – This project includes approximately 4,300 feet of flood wall, 17' high and buried 8' along the eastern edge of the City of Mesquite near Old Mills Road and Mesquite Boulevard. Design is programmed in FY 16/17 and Right-of-Way Acquisition is programmed in FY 17/18. Construction funding is programmed in FY 19/20. The TYCP includes approximately \$4.5 million for this project.

**Virgin River Erosion Protection, Phase I**

**VREC 0203, 0323, 0508, and 0519** – This project includes soil cement erosion protection at various locations along the south side of the City of Mesquite. Design is programmed in FY 18/19 and Right-of-Way Acquisition is programmed in FY 20/21. Construction funding is programmed in FY 21/22. The TYCP includes approximately \$1.6 million for this project.

The funding programmed for Mesquite totals approximately \$11.7 million on the TYCP.

**Fiscal Year 2013 Project List**

The first year of the TYCP comprises the recommended FY 2013 Project List. It should be noted that construction and right-of-way funds programmed in FY 2014 and FY 2015 are eligible to be funded if they meet the criteria presented in Sections II.B.9.b of the District’s Policies and Procedures Manual. To meet these criteria construction projects must have ninety percent (90%) of design complete; have all right-of-entry for construction purposes obtained; and have all necessary permits, including environmental. For right-of-way, adequate design must have been completed to define right-of-way needs. Acceleration of funding in this manner cannot result in the delay of designs programmed in the first year and is dependent upon actual fund availability. Projects programmed in the first year total \$92.5 million. Projects eligible for funding in FY 2013 total \$151.2 million. These projects will be primarily funded from the estimated quarter percent Sales Tax Revenues and projected \$75 million bond issue. Projected revenue for the first year is \$113.2 million. Determining funding eligibility according to this policy allows for full expenditure of available resources annually in the event that some projects should suffer unexpected delays.

Other projects may also begin which are programmed throughout the TYCP if policies regarding Entity Advanced Funding and Funding Resolutions are exercised in accordance with Sections II.D.5 & 6 of the Policies and Procedures Manual.

The projects eligible for funding in FY 2013 are as follows:

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

**Pittman Burns – Pittman West Horizon – Palm Hills (PV = 97.5)**

**PTWH 0032** – This project consists of an open channel along the west side of the Palm Hills development located west of Horizon Ridge Parkway and north of Mission Drive. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$0.70 million for this project.

**Pittman Burns – Galleria to Boulder Highway (PV = 99.0)**

**PTSU 0000** – This project consists of a double 10’ x 8’ reinforced concrete box culvert and open channel that will collect storm flows at the intersection of Sunset Road and Boulder Highway and convey them to the existing Weisner Channel near Burns Road and Galleria Drive. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$4.0 million for this project.

**Pittman Burns – Horizon Ridge Debris Basin & Outfall at Sumner Ranch Road (PV = 97.0)**

**PTHR 0104, 0139, 0140, 0150 & 0203 through 0205** – This project consists of a 2.5 acre-foot debris basin located approximately one-half mile south of Horizon Ridge Parkway and an 84-inch diameter concrete outfall pipe and concrete channel from the debris basin to Sumner Ranch Road. A Master Plan Amendment is currently in process to revise the debris basin to a detention basin and decrease the size of the outlet facilities.

***FY 2013 Project List (continued)***

Design is underway. Construction funding is programmed in FY 13/14. FY 2013 eligible funding is approximately \$2.5 million for this project.

**Pittman Beltway – Anthem Parkway Channel – Horizon Ridge to Sienna Heights (PV = 98.0)**

**PTAP 0018** – This project consists of a concrete channel from Horizon Ridge Parkway to Sienna Heights Drive. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$2.2 million for this project.

**Lower Pittman – Pittman Wash Duck Creek at I-515 (PV = 96.5)**

**PTDC 0074** – This project consists of the addition of two 10' x 8' reinforced concrete box culverts to the existing structure under I-515 at Pittman Wash. Design is underway. Construction funding is programmed in FY 14/15. FY 2013 eligible funding is approximately \$1.8 million for this project.

**Upper Pittman – Pittman North Detention Basin Outfall (PV = 96.0)**

**PTNO 0180** – This project consists of a 72" reinforced concrete pipe from the Pittman North Detention Basin to St. Rose Parkway at Executive Airport. Design and Right-of-Way Acquisition are programmed in FY 14/15. Construction funding is programmed in FY 17/18. FY 2013 eligible funding is approximately \$0.50 million for this project.

**C-1 – Racetrack Channel – Drake to Burkholder (PV = 98.5)**

**C1RT 0001 through 0041** – This project consists of approximately one half mile of concrete channel invert in the existing Racetrack Channel from Drake Street to Burkholder. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$2.3 million for this project.

**C-1 – Four Kids Wash – Lake Mead to Eagle Rock Road (PV = 97.0)**

**C1FK 0040** – This project consists of open channel extending from Lake Mead Drive to Eagle Rock, east of Galleria Drive. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$0.50 million for this project.

**C-1 – Equestrian Detention Basin Expansion (PV = 98.0)**

**C1EQ 0160** – This project consists of expansion of the existing Equestrian Detention Basin from 409 acre feet to 544 acre feet and modifications to the existing spillway. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$0.90 million for this project.

## REGIONAL FLOOD CONTROL DISTRICT – FY 2013 THROUGH FY 2022

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### *FY 2013 Project List (continued)*

#### **C-1 – Equestrian Tributary, Phase II (PV = 100.0)**

**C1E1 0044** – This project consists of 12' x 4' reinforced concrete box culvert in Appaloosa Road from Latigo Drive to Equestrian Drive. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$3.5 million for this project.

**Total Programmed First Year:     \$14,158,891**

**Total Eligible First Year:         \$18,903,577**

### **Las Vegas (Upper Northern Las Vegas Wash, Gowan and Central Basin Planning Areas):**

#### **Central – Freeway Channel – Washington – MLK to Rancho Drive (PV = 83.0)**

**LV15 0424, 0472 and 0474** – This project consists of an 8' x 6' reinforced concrete box culvert in Washington Avenue extending from Rancho Road to Martin Luther King Blvd. and dual 66-inch diameter reinforced concrete pipes in Tonopah Drive extending from Mills Circle to Washington Avenue. Design is underway and construction funding is programmed in FY 14/15. FY 2013 eligible funding is approximately \$7.8 million for this project.

#### **Central – Boulder Highway Sahara Avenue – Mojave Road to Boulder Highway (PV = 81.0)**

**BHSA 0000** – This project consists of a 14' x 10' reinforced concrete box culvert in Sahara Avenue extending from Mojave Road to Boulder Highway. Funds are programmed in FY 12/13 to complete an alternative analysis and design is programmed in FY 16/17 upon completion of the alternative analysis. Construction funding is programmed in FY 19/20. FY 2013 eligible funding is approximately \$0.20 million for this project.

#### **Central – Flamingo – Boulder Highway North, Main Street (PV = 80.5)**

**FLBN 0342** – This project consists of a 7' x 4' reinforced concrete box culvert in Main Street extending from Wyoming Avenue to Charleston Boulevard. Design is underway. Construction funding is programmed in FY 13/14. FY 2013 eligible funding is approximately \$7.5 million for this project.

#### **Gowan North – Angel Park North – Detention Basin (PV = 82.0)**

**APNO 0001** – This project consists of expansion of the existing Angel Park North Detention Basin from 1,400 acre feet to 1,512 acre feet and construction of an additional spillway. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$9.1 million for this project.

**REGIONAL FLOOD CONTROL DISTRICT – FY 2013 THROUGH FY 2022**

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*FY 2013 Project List (continued)*

**Upper Northern LV Wash – Ann Road – Rancho Road System – Fort Apache to Grand Canyon (PV = 78.0)**

**RCHB 0275** – This project consists of a 7' x 6' reinforced concrete box culvert in Elkhorn Road extending from Grand Canyon Drive to Fort Apache Road. Design is underway and construction funding is programmed in FY 14/15. FY 2013 eligible funding is approximately \$3.2 million for this project.

**Upper Northern LV Wash – Ann Road – Rancho Road System – Beltway to Echelon Point (PV = 83.0)**

**RCHB 0227** – This project consists of an 11' x 8' reinforced concrete box culvert along CC 215 and Fort Apache Road to Echelon Point Drive. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$3.1 million for this project.

**Upper Northern LV Wash – Ann Road – Rancho Road System – Echelon Point to Elkhorn Road (PV = 83.5)**

**RCHB 0250** – This project consists of an 11' x 8' reinforced concrete box culvert in Fort Apache Road extending from Elkhorn Road to Echelon Point Drive. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$5.3 million for this project.

**Upper Northern LV Wash – Ann Road Channel West – Rainbow Boulevard (PV = 82.5)**

**ANRB 0000** – This project consists of a reinforced concrete box culvert ranging in size from 11' x 5' to 10' x 3' in Rainbow Boulevard extending from approximately El Campo Grande Avenue to Ann Road. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$4.8 million for this project.

**Upper Northern LV Wash – Upper Western Tributary – Las Vegas Wash – Grand Teton, Mountain Spa to Durango Drive (PV = 80.5)**

**LVMD 2632 through 2789** – This project consists of reinforced concrete box culvert ranging in size from 6' x 5' to 18' x 5' in Grand Teton Drive extending from Durango Drive to just west of Rainbow Boulevard. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$15.9 million for this project.

**Total Programmed First Year:     \$38,358,447**

**Total Eligible First Year:         \$56,798,297**

*FY 2013 Project List (continued)*

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

**Lower Northern Las Vegas Wash – Lower Western Tributary – Colton Channel I-15 to Fifth Street (PV = 91.5)**

**LVCL 0000** – This project consists of reinforced concrete box culverts ranging in size from 9' x 6' to 12' x 6' in Colton Avenue from Fifth Street to I-15 Freeway Channel. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$3.5 million for this project.

**Lower Northern Las Vegas Wash – Lower Western Tributary – Brooks Channel (PV = 83.5)**

**LVBR 0000, 0005, 0011, 0014, and 0026** – This project consists of a concrete channel and a reinforced concrete box culvert at North Fifth Street. The facility begins at the east end of Mayflower Avenue and extends east to the I-15 corridor. Design is underway. Right-of-Way Acquisition and construction funding are programmed in FY 12/13. FY 2013 eligible funding is approximately \$0.50 million for this project.

**Lower Northern Las Vegas Wash – Lower Western Tributary – Las Vegas Wash – N Channel, Cheyenne to Gowan (PV = 80.0)**

**LVNC 0038** – This project consists of channel improvements to the N Channel extending from Gowan Road to Cheyenne Avenue. Design and Right-of-Way Acquisition are programmed in FY 12/13. Construction funding is programmed in FY 13/14. FY 2013 eligible funding is approximately \$1.3 million for this project.

**Lower Northern Las Vegas Wash – Las Vegas Wash Craig – Fifth Street Collector – Centennial Parkway to Deer Springs (PV = 81.0)**

**LV5C 0000 and 0002** – This project consists of a reinforced concrete box culvert ranging in size from 10' x 6' to 15' x 6' in North Fifth Street extending from Deer Springs Way to Centennial Parkway. Design is programmed in FY 12/13 and Right-of-Way Acquisition is programmed in FY 13/14. Construction funding is programmed in FY 14/15. FY 2013 eligible funding is approximately \$4.4 million for this project.

**Lower Northern Las Vegas Wash – Las Vegas Wash Craig – Ann Road Channel East, Las Vegas Wash to Fifth Street (PV = 82.0)**

**ANEA 0008 and 0040** – This project consists of a reinforced concrete box storm culvert ranging in size from 8' x 7' to 10' x 7' in Ann Road extending from North Fifth Street to a confluence with the Upper Las Vegas Wash Channel. Design is underway. Right-of-Way Acquisition is programmed in FY 12/13. Construction funding is programmed in FY 13/14. FY 2013 eligible funding is approximately \$6.4 million for this project.

## REGIONAL FLOOD CONTROL DISTRICT – FY 2013 THROUGH FY 2022

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### *FY 2013 Project List (continued)*

#### **Lower Las Vegas Wash – Las Vegas Wash, Sloan Channel to Flamingo Confluence (PV = 81.5)**

**LVMD 0883 and 0911** – This project consists of a new 120-foot wide bridge structure at the Desert Rose Golf Course and channel improvements extending from Sloan Lane to approximately 500-feet west of the Sloan Channel Confluence with Las Vegas Wash. Design is programmed in FY 12/13. Construction funding is programmed in FY 13/14. FY 2013 eligible funding is approximately \$3.0 million for this project.

#### **Range Wash – Lower Range – Orchards Collector – Charleston Boulevard to Linden Avenue (PV = 93.0)**

**SLOR 0158** – This project consists of a soil cement lined levee that will extend north from Charleston Boulevard along the base of Sunrise Mountain to the Linden Avenue alignment. This facility will collect flows draining east off the mountain and convey them south to the Orchard Detention Basin located south of Charleston Boulevard. Design is underway. Construction funding is programmed in FY 13/14. FY 2013 eligible funding is approximately \$0.20 million for this project.

#### **Range Wash – West Range – Centennial Collector (PV = 82.0)**

**RWCC 0000** – This project includes a 10' x 7' reinforced concrete box culvert in Centennial Parkway extending from Palmer to Pecos Road. Design is programmed in FY 12/13 and Right-of-Way Acquisition is programmed in FY 13/14. Construction funding is programmed in FY 14/15. FY 2013 eligible funding is approximately \$2.3 million for this project.

**Total Programmed First Year:     \$ 5,438,988**

**Total Eligible First Year:         \$21,595,446**

### **Clark County (Las Vegas Valley)**

#### **(Duck Creek/Blue Diamond and Tropicana/Flamingo Planning Areas):**

#### **Tropicana/Flamingo – F4 Patrick Lane/Fort Apache Road Lateral (PV = 69.5)**

**FLOQ 0000** – This project includes a 12' x 8' reinforced concrete box culvert intercepting flow in Fort Apache Road and Patrick Lane and conveying it to the F-4 Channel near CC-215. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$1.9 million for this project.

#### **Tropicana/Flamingo – Flamingo Diversion – Rainbow Branch, Russell Road to Sunset Road (PV = 93.5)**

**FLRB 0050 through 0062** – This project is a tributary to the Flamingo Diversion Channel in Rainbow Boulevard. The project includes reinforced concrete box culvert ranging in size from 12' x 3' to 14' x 6' in Rainbow Boulevard from Sunset Road to Russell Road. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$9.3 million for this project.

*FY 2013 Project List (continued)*

**Tropicana/Flamingo – Wagon Trail Channel – Sunset Road to Teco (PV = 87.5)**

**WGTR 0111** – This project includes a 10' x 6' reinforced concrete box culvert in Procyon Street extending from Sunset Road to Teco Avenue. Design and Right-of-Way Acquisition are programmed in FY 13/14. Construction funding is programmed in FY 15/16. FY 2013 eligible funding is approximately \$0.10 million for this project.

**Tropicana/Flamingo – Flamingo Wash, Industrial Road to Hotel Rio Drive (PV = 84.0)**

**FLWA 0893 and 0896** – This project consists of open channel improvements in Flamingo Wash extending from Industrial Road to Hotel Rio Drive. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$1.2 million for this project.

**Tropicana/Flamingo – Las Vegas Wash – Tropicana Avenue Conveyance – Morris Street to Mountain Vista Street (PV = 83.0)**

**LV01 0151** – This project includes an 84" diameter reinforced concrete storm drain in Tropicana Avenue extending from Mountain Vista Street to Morris Street. Design is programmed in FY 12/13 and construction funding is programmed in FY 15/16. FY 2013 eligible funding is approximately \$0.30 million for this project.

**Tropicana/Flamingo – Las Vegas Wash – Tropicana Avenue Conveyance - Las Vegas Wash to Morris Street (PV = 83.5)**

**LV01 0001 through 0135** – This project includes reinforced concrete box culvert, reinforced concrete pipe and trapezoidal concrete channel of varying sizes along Tropicana Avenue extending from Morris Street to the Las Vegas Wash. Design is underway. Construction funding is programmed in FY 14/15. FY 2013 eligible funding is approximately \$9.6 million for this project.

**Duck Creek/Blue Diamond – Lower Blue Diamond Detention Basin Collector Channel**

**BDWA 0477 through 0613** – This project has been constructed in partnership with the Nevada Department of Transportation (NDOT). NDOT reimbursement is programmed in FY 11/12 consistent with Resolution 04-4 adopted by the Board. FY 2013 eligible funding is approximately \$8.0 million for this project.

**Duck Creek/Blue Diamond – Blue Diamond Wash Railroad (PV = 87.5)**

**BDW5 0026** – This project will focus on early right-of-way acquisition for a future concrete channel adjacent to a UPRR spur that extends from Blue Diamond Road to Rainbow Boulevard. Right-of-Way Acquisition is programmed in FY 12/13 and design is programmed in FY 18/19. Construction funding is programmed in FY 21/22. FY 2013 eligible funding is approximately \$0.30 million for this project.

***FY 2013 Project List (continued)***

**Duck Creek/Blue Diamond – Sunset Road to Sandhill Road (PV = 82.5)**

**DCWA 0648, 0656 and 0670** – This project includes open channel improvements for Duck Creek Wash extending from Sandhill Road to Sunset Road. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$2.1 million for this project.

**Clark County (Outlying Areas):**

The projects proposed on the TYCP for the Outlying Areas of Clark County include the following:

**Goodsprings – Goodsprings – Phase I**

**GSEA 0000, GSPA 0027 and 0029 & GSRV 0019** – This project consists of a riprap channel in Pacific Street and Revere Street discharging to the natural watercourse on the north side of Goodsprings. Design is underway. Right-of-Way Acquisition and construction funding are programmed in FY 12/13. FY 2013 eligible funding is approximately \$0.40 million for this project.

**Muddy River and Tributaries – Fairgrounds – Detention Basin**

**FGWS 0000 through 0166** – This project is a 130 acre foot detention basin and outfall facility located north of the Clark County Fair Grounds near Whipple Avenue and Heyer Street. Design is underway. Construction funding is programmed in FY 13/14. FY 2013 eligible funding is approximately \$5.6 million for this project.

**Muddy River and Tributaries – Muddy River Logandale Levee**

**MRL 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. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$3.8 million for this project.

**Mount Charleston – Rainbow Canyon Boulevard Bridge**

**MTCH 0001** – This project consists of a new bridge structure for Rainbow Canyon Boulevard, just south of Kyle Canyon Road. Design is programmed in FY 13/14 and construction funding is programmed in FY 14/15. FY 2013 eligible funding is approximately \$0.84 for this project.

**Laughlin – Hiko Detention Basin Expansion**

**LUHS 0244** – This project consists of the expansion of the Hiko Springs Detention Basin by 310 acre feet to accommodate diversion of the Bridge Canyon flow. Design is programmed in FY 13/14 and construction funding is programmed in FY 14/15. FY 2013 eligible funding is approximately \$1.3 million for this project.

***FY 2013 Project List (continued)***

**Laughlin – SR 163 at Casino Drive**

**LUBC 0000 through 0031** – This project consists of open channel improvements along the south side of SR 163 beginning near Thomas Edison Way and continuing east to the Colorado River. Design is underway. Additional design funds are programmed in FY 12/13. Construction funding is programmed in FY 13/14. FY 2013 eligible funding is approximately \$0.90 million for this project.

**Searchlight – South, Encinitas St. Storm Drain**

**SRSO 0000 through 0030** – This project consists of a 72” diameter reinforced concrete storm drain in Encinitas Street extending from Nevada Street to Washington Street and continuing south in Washington Street to Hobson Street outletting to the natural wash on the southeast side of the town. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$1.3 million for this project.

**Bunkerville – Windmill Wash Detention Basin Expansion**

**WIWA 0039, WIJE 0000 and JEWA 0166** – This project consists of the expansion of the existing Windmill Wash Detention Basin in Bunkerville from 522 acre feet to 887 acre feet. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$2.1 million for this project.

**Clark County (Las Vegas Valley) Programmed First Year:           \$23,084,812**

**Clark County (Las Vegas Valley) Eligible First Year:               \$32,840,876**

**Clark County (Outlying Areas) Programmed First Year:           \$ 7,636,730**

**Clark County (Outlying Areas) Eligible First Year:               \$16,221,143**

**Total Programmed First Year:           \$30,721,542**

**Total Eligible First Year:               \$49,062,018**

**Boulder City:**

**Georgia/Buchanan – Buchanan Blvd., Phase III Improvements**

**GBAP 0001, GBGR 0001 & GBBC 0110, 0149 and 0153** – This project includes the lower reach of a drainage channel located on the eastern boundary of the Boulder City Airport; reconstruction of crossings along Buchanan Boulevard at El Camino Way, at Clubhouse Road and across Buchanan Boulevard near Quail Drive; and the replacement of a portion of an existing storm drain in Buchanan Boulevard from Adams Boulevard to El Camino Way. Design is underway. Construction funding is programmed in FY 12/13. FY 2013 eligible funding is approximately \$3.8 million for this project.

*FY 2013 Project List (continued)*

**Hemenway – Hemenway System, Phase II Improvements**

**HMLV 0006 and 0019, HMTH 0034, HMLM 0066 and 0085 and HMWA 0005, 0105, 0158, 0173, 0175, and 0182** – This project consists of the reconstruction of an existing grouted rip rap channel with a concrete channel located north of Fire Agate Drive, between US-93 and Quartzite Road; revisions to the existing earthen levee located southwest of the Trailhead Detention Basin to enlarge the structure and line with rip rap; increase the volume of the Lake Mountain Drive Detention Basin and construction of a new grate structure for the outlet pipe downstream of the basin; and improvements to the Hemenway Channel system located along the north side of US-93 including concrete lining of the channel sides and construction of two sediment basins at the upstream end of the system. Design is underway. Construction funding is programmed in FY 14/15. FY 2013 eligible funding is approximately \$1.0 million for this project.

**Total Programmed First Year:     \$3,859,977**  
**Total Eligible First Year:        \$4,848,258**

**Mesquite:**

No projects are programmed for Mesquite in the First Year of the Ten-Year Construction Program.

**Total Programmed First Year:     \$        0**  
**Total Eligible First Year:        \$        0**

## **EXHIBIT A**

## EXHIBIT A

### PROGRAMMING PERCENTAGES

Planning Area		Funded Projects (a)	Current MPU Total Costs (b)	Total Planning Area Cost	Percent of Total Planning Area
<b>Henderson :</b>					
	C-1	68,725,935	\$45,954,300	\$114,680,235	2.88%
	Pittman	76,621,461	\$177,726,564	\$254,348,025	6.40%
	<b>Sub-total</b>	<b>145,347,397</b>	<b>\$223,680,864</b>	<b>\$369,028,261</b>	<b>9.28%</b>
<b>Las Vegas</b>					
	Central	206,606,206	\$589,529,376	\$796,135,582	20.02%
	Gowan	120,923,047	\$231,300,485	\$352,223,532	8.86%
	Upper Northern L V Wash	81,695,802	\$434,985,790	\$516,681,592	12.99%
	<b>Sub-total</b>	<b>409,225,054</b>	<b>\$1,255,815,651</b>	<b>\$1,665,040,706</b>	<b>41.88%</b>
<b>North Las Vegas</b>					
	Lower Northern L V Wash	151,821,170	\$225,301,451	\$377,122,621	9.48%
	Range	45,722,831	\$215,286,112	\$261,008,943	6.56%
	Lower L V Wash	0	\$17,315,363	\$17,315,363	0.44%
	<b>Sub-total</b>	<b>197,544,001</b>	<b>\$457,902,926</b>	<b>\$655,446,928</b>	<b>16.48%</b>
<b>Clark County</b>					
	Duck Cr/Blue Diamond	123,427,258	\$317,473,688	\$440,900,946	11.09%
	Flamingo/Tropicana	196,311,088	\$274,094,302	\$470,405,390	11.83%
	Outlying	48,599,346	\$189,231,491	\$237,830,837	5.98%
	<b>Sub-total</b>	<b>368,337,691</b>	<b>\$780,799,481</b>	<b>\$1,149,137,173</b>	<b>28.90%</b>
<b>Boulder City :</b>					
	Boulder City	16,726,583	\$49,657,000	\$66,383,583	1.67%
	<b>Sub-total</b>	<b>16,726,583</b>	<b>\$49,657,000</b>	<b>\$66,383,583</b>	<b>1.67%</b>
<b>Mesquite :</b>					
	Mesquite	16,341,078	\$54,837,463	\$71,178,542	1.79%
	<b>Sub-total</b>	<b>16,341,078</b>	<b>\$54,837,463</b>	<b>\$71,178,542</b>	<b>1.79%</b>
<b>GRAND-TOTAL</b>		<b>1,153,521,804</b>	<b>\$2,822,693,385</b>	<b>\$3,976,215,191</b>	<b>100.00%</b>

Notes:

( a ) From CIP Cumulative Reporting 12/11/08 at adoption of 2008 Las Vegas Valley MPU.

( b ) Cost of remaining Category A facilities from applicable Master Plans as of 3/12/09 (LVV & Outlying Areas MPU).

**EXHIBIT B**

# EXHIBIT B

## Project Prioritization

Priority Factor and Weight											
Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M	Priority Value	
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5		
<b>CITY OF HENDERSON</b>											
<b>HYDROGRAPHIC BASIN: PITTMAN</b>											
<b>PROJECT: Galleria to Boulder Hwy.</b>											
PTSU 0000	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	2 1.0	<b>99.0</b>
<b>PROJECT: Anthem Parkway Channel - Horizon Ridge to Sienna Heights</b>											
PTAP 0018	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	3 7.5	3 6.0	3 4.5	2 2.0	2 1.0	<b>98.0</b>
<b>PROJECT: Pittman West Horizon - Palm Hills</b>											
PTWH 0032	4 20.0	4 18.0	4 16.0	3 10.5	3 9.0	3 7.5	4 8.0	3 4.5	3 3.0	2 1.0	<b>97.5</b>
<b>PROJECT: Horizon Ridge Debris Basin &amp; Outfall at Sumner Ranch Road</b>											
PTHR 0104, 0139, 0140, 0150 & 0203 thru 0205	4 20.0	4 18.0	4 16.0	3 10.5	3 9.0	3 7.5	3 6.0	4 6.0	3 3.0	2 1.0	<b>97.0</b>
<b>PROJECT: Pittman Wash Duck Creek at I-515</b>											
PTDC 0074	4 20.0	4 18.0	4 16.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	4 2.0	<b>96.5</b>
<b>PROJECT: Pittman North Detention Basin Outfall</b>											
PTNO 0180	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	3 7.5	3 6.0	2 3.0	2 2.0	1 0.5	<b>96.0</b>
<b>PROJECT: Pittman North Detention Basin</b>											
PTNO 0181 thru 0183	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	3 7.5	2 4.0	2 3.0	3 3.0	1 0.5	<b>95.0</b>
<b>PROJECT: Pittman MacDonald Ranch Debris Basin</b>											
PTMR 0400 thru 0480	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	3 7.5	2 4.0	2 3.0	2 2.0	2 1.0	<b>94.5</b>
<b>PROJECT: Whitney Wash Channel</b>											
WWDC 0069	4 20.0	3 13.5	4 16.0	3 10.5	3 9.0	3 7.5	3 6.0	4 6.0	4 4.0	3 1.5	<b>94.0</b>
<b>PROJECT: Pittman North Detention Basin to Larson Lane</b>											
PTSD 0000 thru 0043	4 20.0	4 18.0	4 16.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	1 1.0	2 1.0	<b>93.5</b>
<b>PROJECT: Pittman North Detention Basin Outfall - St. Rose to Spencer</b>											
PTNO 0000 thru 0073	4 20.0	4 18.0	3 12.0	3 10.5	3 9.0	2 5.0	3 6.0	2 3.0	2 2.0	2 1.0	<b>86.5</b>
<b>PROJECT: Pittman, Larson Lane - Las Vegas Blvd. to Bermuda Rd.</b>											
PTLA 0000 thru 0126	4 20.0	4 18.0	3 12.0	3 10.5	2 6.0	2 5.0	3 6.0	2 3.0	3 3.0	2 1.0	<b>84.5</b>
<b>HYDROGRAPHIC BASIN: C-1</b>											
<b>PROJECT: Equestrian Tributary, Phase II</b>											
C1E1 0044	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	3 7.5	3 6.0	4 6.0	2 2.0	3 1.5	<b>100.0</b>
<b>PROJECT: Racetrack Channel - Drake to Burkholder</b>											
C1RT 0001 thru 0041	4 20.0	4 18.0	3 12.0	4 14.0	4 12.0	3 7.5	3 6.0	3 4.5	3 3.0	3 1.5	<b>98.5</b>
<b>PROJECT: Equestrian Detention Basin Expansion</b>											
C1EQ 0160	4 20.0	4 18.0	4 16.0	3 10.5	4 12.0	3 7.5	3 6.0	4 6.0	1 1.0	2 1.0	<b>98.0</b>
<b>PROJECT: Four Kids Wash - Lake Mead to Eagle Rock Road</b>											
C1FK 0040	4 20.0	4 18.0	4 16.0	4 14.0	3 9.0	3 7.5	3 6.0	3 4.5	1 1.0	2 1.0	<b>97.0</b>
<b>PROJECT: Center Street Storm Drain</b>											
C1CT 0000 thru 0048	4 20.0	4 18.0	4 16.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	2 1.0	<b>95.5</b>
<b>PROJECT: C-1 Channel, SNWA Drop Structure to Lake Mead</b>											
C1CH 0161	4 20.0	4 18.0	4 16.0	3 10.5	3 9.0	3 7.5	3 6.0	2 3.0	2 2.0	2 1.0	<b>93.0</b>

# EXHIBIT B

## Project Prioritization

Priority Factor and Weight											Priority Value
Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M		
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5		

### CITY OF LAS VEGAS

#### HYDROGRAPHIC BASIN: CENTRAL

<b>PROJECT: Oakey - Meadows Storm Drain</b>											
MEOK 0150 thru 0217	4	3	3	3	2	3	4	3	1	2	<b>84.0</b>
	20.0	13.5	12.0	10.5	6.0	7.5	8.0	4.5	1.0	1.0	
<b>PROJECT: Las Vegas Wash - Charleston to Cedar</b>											
LVMD 1071 thru 1121	4	3	3	3	3	3	3	2	1	2	<b>83.5</b>
	20.0	13.5	12.0	10.5	9.0	7.5	6.0	3.0	1.0	1.0	
<b>PROJECT: Freeway Channel - Washington, Valley View to Decatur</b>											
LV15 0602	4	3	4	3	3	2	2	2	1	2	<b>83.0</b>
	20.0	13.5	16.0	10.5	9.0	5.0	4.0	3.0	1.0	1.0	
<b>PROJECT: Freeway Channel - Washington, Rancho to Valley View</b>											
LV15 0528	4	3	4	3	3	2	2	2	1	2	<b>83.0</b>
	20.0	13.5	16.0	10.5	9.0	5.0	4.0	3.0	1.0	1.0	
<b>PROJECT: Freeway Channel - Washington, MLK to Rancho</b>											
LV15 0424, 0472 & 0474	4	3	4	3	3	2	2	2	1	2	<b>83.0</b>
	20.0	13.5	16.0	10.5	9.0	5.0	4.0	3.0	1.0	1.0	
<b>PROJECT: Boulder Highway Sahara Avenue - Mojave to Boulder Hwy</b>											
BHSA 0000	4	3	3	3	3	2	2	3	1	3	<b>81.0</b>
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	1.5	
<b>PROJECT: Boulder Highway Sahara Avenue - Eastern to Mojave</b>											
BHSA 0026	4	3	3	3	3	2	2	3	1	3	<b>81.0</b>
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	1.5	
<b>PROJECT: Sahara Avenue - Eastern Lateral</b>											
SAEA 0000	4	3	3	3	3	2	2	3	1	3	<b>81.0</b>
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	1.5	
<b>PROJECT: Boulder Highway Sahara Avenue - Maryland to Eastern</b>											
BHSA 0075	4	3	3	3	3	2	2	3	1	3	<b>81.0</b>
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	1.5	
<b>PROJECT: Boulder Highway Sahara Avenue - L.V. Blvd. to Maryland</b>											
BHSA 0175	4	3	3	3	3	2	2	3	1	3	<b>81.0</b>
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	1.5	
<b>PROJECT: Flamingo - Boulder Hwy. North, Main St.</b>											
FLBN 0342	4	3	3	3	3	2	2	3	1	2	<b>80.5</b>
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	4.5	1.0	1.0	
<b>PROJECT: Las Vegas Wash - Bonanza - Las Vegas Wash to Lamb</b>											
LVBZ 0000	4	3	3	3	3	2	2	2	1	2	<b>79.0</b>
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	3.0	1.0	1.0	
<b>PROJECT: Cedar Avenue Channel - Charleston</b>											
CACN 0001	4	3	3	3	2	2	2	1	3	4	<b>77.5</b>
	20.0	13.5	12.0	10.5	6.0	5.0	4.0	1.5	3.0	2.0	
<b>PROJECT: Cedar Avenue Channel - Stewart</b>											
CNST 0000	4	3	3	3	2	2	2	1	3	4	<b>77.5</b>
	20.0	13.5	12.0	10.5	6.0	5.0	4.0	1.5	3.0	2.0	
<b>PROJECT: Owens Avenue East - LV Wash to Mojave</b>											
LVOE 0000	4	4	3	2	2	2	2	2	1	2	<b>77.0</b>
	20.0	18.0	12.0	7.0	6.0	5.0	4.0	3.0	1.0	1.0	
<b>PROJECT: Owens Avenue East - Mojave to Eastern</b>											
LVOE 0085	4	4	3	2	2	2	2	2	1	2	<b>77.0</b>
	20.0	18.0	12.0	7.0	6.0	5.0	4.0	3.0	1.0	1.0	

#### HYDROGRAPHIC BASIN: GOWAN

<b>PROJECT: Angel Park North - Detention Basin</b>											
APNO 0001	4	3	3	3	2	3	3	3	1	2	<b>82.0</b>
	20.0	13.5	12.0	10.5	6.0	7.5	6.0	4.5	1.0	1.0	
<b>PROJECT: Gowan Outfall - Rancho, Craig to Alexander</b>											
GOAL 0100 thru 0111	4	3	3	3	2	2	3	3	1	2	<b>79.5</b>
	20.0	13.5	12.0	10.5	6.0	5.0	6.0	4.5	1.0	1.0	
<b>PROJECT: Gowan Outfall - El Capitan Branch, Lone Mtn to Washburn</b>											
GOEC 0000 thru 0026	3	2	3	3	2	2	3	3	1	2	<b>70.0</b>
	15.0	9.0	12.0	10.5	6.0	5.0	6.0	4.5	1.0	1.0	
<b>PROJECT: Gowan Outfall - El Capitan Branch, Washburn to Ann Road</b>											
GOEC 0051 thru 0076	3	2	3	3	2	2	3	3	1	2	<b>70.0</b>
	15.0	9.0	12.0	10.5	6.0	5.0	6.0	4.5	1.0	1.0	

# EXHIBIT B

## Project Prioritization

Priority Factor and Weight											
Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M	Priority	
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5	Value	
<b>HYDROGRAPHIC BASIN: UPPER NORTHERN LAS VEGAS WASH</b>											
<b>PROJECT: Rancho Road System - Echelon Point to Elkhorn</b>											
RCHB 0250	3	3	3	4	2	4	3	3	1	3	83.5
	15.0	13.5	12.0	14.0	6.0	10.0	6.0	4.5	1.0	1.5	
<b>PROJECT: Rancho Road System - Beltway to Echelon Point</b>											
RCHB 0227	3	3	3	4	3	4	2	2	1	3	83.0
	15.0	13.5	12.0	14.0	9.0	10.0	4.0	3.0	1.0	1.5	
<b>PROJECT: Ann Road Channel West - Rainbow Blvd.</b>											
ANRB 0000	4	3	3	3	2	3	3	3	1	3	82.5
	20.0	13.5	12.0	10.5	6.0	7.5	6.0	4.5	1.0	1.5	
<b>PROJECT: Centennial Parkway Channel West - U.S. 95, Deer Springs to Elkhorn</b>											
CN95 0000	4	3	3	3	3	2	3	3	1	2	82.5
	20.0	13.5	12.0	10.5	9.0	5.0	6.0	4.5	1.0	1.0	
<b>PROJECT: Centennial Parkway Channel West - U.S. 95, Elkhorn to Durango</b>											
CN95 0068	4	3	3	3	3	2	3	3	1	2	82.5
	20.0	13.5	12.0	10.5	9.0	5.0	6.0	4.5	1.0	1.0	
<b>PROJECT: Centennial Parkway Channel West - CC 215, Pioneer to US 95</b>											
CNWE 0301 thru 0304	4	3	3	3	3	2	3	3	1	2	82.5
	20.0	13.5	12.0	10.5	9.0	5.0	6.0	4.5	1.0	1.0	
<b>PROJECT: Centennial Parkway Channel West - U.S. 95, CC 215 to Deer Springs</b>											
CNWE 0325	4	3	3	3	3	2	3	3	1	2	82.5
	20.0	13.5	12.0	10.5	9.0	5.0	6.0	4.5	1.0	1.0	
<b>PROJECT: Las Vegas Wash Grand Teton, Mountain Spa to Durango</b>											
LVMD 2632 thru 2789	3	3	4	4	2	2	2	2	2	4	80.5
	15.0	13.5	16.0	14.0	6.0	5.0	4.0	3.0	2.0	2.0	
<b>PROJECT: Brent Drainage System - Durango to El Capitan</b>											
BRDB 0107 thru 0157	3	3	3	3	3	3	2	3	1	3	78.5
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	4.5	1.0	1.5	
<b>PROJECT: Brent Drainage System - Floyd Lamb Park to Durango</b>											
BRDB 0043	3	3	3	3	3	3	2	3	1	3	78.5
	15.0	13.5	12.0	10.5	9.0	7.5	4.0	4.5	1.0	1.5	
<b>PROJECT: Rancho Road System - Grand Canyon to Hualapai</b>											
RCHB 0295	4	3	3	3	2	2	2	3	1	3	78.0
	20.0	13.5	12.0	10.5	6.0	5.0	4.0	4.5	1.0	1.5	
<b>PROJECT: Rancho Road System - Fort Apache to Grand Canyon</b>											
RCHB 0275	4	3	3	3	2	2	2	3	1	3	78.0
	20.0	13.5	12.0	10.5	6.0	5.0	4.0	4.5	1.0	1.5	
<b>CITY OF NORTH LAS VEGAS</b>											
<b>HYDROGRAPHIC BASIN: LOWER NORTHERN LAS VEGAS WASH</b>											
<b>PROJECT: Colton Channel I-15 to Fifth Street</b>											
LVCL 0000	3	4	3	3	4	3	4	3	2	4	91.5
	15.0	18.0	12.0	10.5	12.0	7.5	8.0	4.5	2.0	2.0	
<b>PROJECT: Brooks Channel</b>											
LVBR 0000, 0005, 0011, 0014, 0026	3	3	3	3	3	3	4	3	2	3	83.5
	15.0	13.5	12.0	10.5	9.0	7.5	8.0	4.5	2.0	1.5	
<b>PROJECT: Las Vegas Boulevard Drain</b>											
LVLV 0000	3	4	3	3	3	2	3	3	2	2	83.0
	15.0	18.0	12.0	10.5	9.0	5.0	6.0	4.5	2.0	1.0	
<b>PROJECT: Ann Road Channel East, Las Vegas Wash to Fifth Street</b>											
ANEA 0008 & 0040	3	3	4	4	2	2	3	2	2	3	82.0
	15.0	13.5	16.0	14.0	6.0	5.0	6.0	3.0	2.0	1.5	
<b>PROJECT: Fifth Street Collector - Centennial to Deer Springs</b>											
LV5C 0000 & 0002	3	3	3	3	3	3	3	3	2	2	81.0
	15.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	2.0	1.0	
<b>PROJECT: Las Vegas Wash - N Channel, Cheyenne to Gowen</b>											
LVNC 0038	4	3	3	3	3	2	2	2	2	2	80.0
	20.0	13.5	12.0	10.5	9.0	5.0	4.0	3.0	2.0	1.0	
<b>HYDROGRAPHIC BASIN: LOWER LAS VEGAS WASH</b>											
<b>PROJECT: Las Vegas Wash, Sloan Channel to Flamingo Confluence</b>											
LVMD 0883 & 0911	3	3	3	3	3	2	4	3	3	2	81.5
	15.0	13.5	12.0	10.5	9.0	5.0	8.0	4.5	3.0	1.0	

# EXHIBIT B

## Project Prioritization

Priority Factor and Weight											
Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M	Priority Value	
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5		
<b>HYDROGRAPHIC BASIN: RANGE</b>											
<b>PROJECT: Orchard Collector - Charleston to Linden</b>											
SLOR 0158	4 20.0	4 18.0	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	4 6.0	3 3.0	2 1.0	93.0
<b>PROJECT: Vandenberg North Detention Basin, Collection &amp; Outfall</b>											
RWWE 0397 thru 0439	3 15.0	4 18.0	3 12.0	3 10.5	4 12.0	3 7.5	2 4.0	3 4.5	2 2.0	3 1.5	87.0
<b>PROJECT: Beltway Detention Basin &amp; Channel</b>											
RWRR 0107 thru 0221	3 15.0	4 18.0	3 12.0	3 10.5	3 9.0	4 10.0	3 6.0	2 3.0	2 2.0	2 1.0	86.5
<b>PROJECT: Owens Detention Basin &amp; Outfall</b>											
SLWA 0130 thru 0175 & SLOW 0000 thru 0005	3 15.0	4 18.0	3 12.0	3 10.5	3 9.0	2 5.0	3 6.0	4 6.0	3 3.0	2 1.0	85.5
<b>PROJECT: Hollywood System, Las Vegas Blvd to Azure</b>											
RWHW 0173 thru 0201	3 15.0	3 13.5	3 12.0	3 10.5	4 12.0	3 7.5	2 4.0	3 4.5	2 2.0	2 1.0	82.0
<b>PROJECT: Hollywood System, Azure to Speedway #2 Detention Basin</b>											
RWHW 0277 thru 0412	3 15.0	3 13.5	3 12.0	3 10.5	4 12.0	3 7.5	2 4.0	3 4.5	2 2.0	2 1.0	82.0
<b>PROJECT: Speedway North Detention Basin</b>											
RWHW 0500	3 15.0	3 13.5	3 12.0	3 10.5	4 12.0	3 7.5	2 4.0	3 4.5	2 2.0	2 1.0	82.0
<b>PROJECT: Centennial Collector</b>											
RWCC 0000	3 15.0	3 13.5	3 12.0	4 14.0	3 9.0	2 5.0	3 6.0	3 4.5	2 2.0	2 1.0	82.0
<b>PROJECT: Beltway Collection System - Pecos</b>											
RWWE 0463 & RWBW 0000	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	2 3.0	2 2.0	2 1.0	79.5
<b>PROJECT: Range Wash - Alto Conveyance, Confluence DB to Los Feliz</b>											
RWAL 0000 thru 0068	3 15.0	3 13.5	3 12.0	2 7.0	3 9.0	3 7.5	2 4.0	2 3.0	2 2.0	2 1.0	74.0
<b>CLARK COUNTY</b>											
<b>HYDROGRAPHIC BASIN: Tropicana/ Flamingo</b>											
<b>PROJECT: Las Vegas Wash - Flamingo Confluence to Charleston</b>											
LVMD 0916 thru 1069	5 25.0	4 18.0	4 16.0	3 10.5	2 6.0	3 7.5	4 8.0	3 4.5	3 3.0	3 1.5	100.0
<b>PROJECT: Flamingo Diversion - Rainbow Branch - Russell to Sunset</b>											
FLRB 0050 thru 0062	4 20.0	3 13.5	4 16.0	3 10.5	3 9.0	3 7.5	4 8.0	3 4.5	3 3.0	3 1.5	93.5
<b>PROJECT: Wagon Trail Channel - Sunset to Teco</b>											
WGTR 0111	4 20.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	3 6.0	3 4.5	3 3.0	3 1.5	87.5
<b>PROJECT: Flamingo Wash - Industrial Rd. to Hotel Rio Dr.</b>											
FLWA 0893 & 0896	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	3 7.5	4 8.0	3 4.5	2 2.0	4 2.0	84.0
<b>PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Morris</b>											
LV01 0001 thru 0135	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	4 10.0	4 8.0	2 3.0	1 1.0	3 1.5	83.5
<b>PROJECT: Tropicana Avenue Conveyance, Morris to Mountain Vista</b>											
LV01 0151	3 15.0	3 13.5	3 12.0	3 10.5	4 12.0	3 7.5	4 8.0	2 3.0	1 1.0	1 0.5	83.0
<b>PROJECT: Las Vegas Wash - Boulder Highway</b>											
LVBH 0000	3 15.0	2 9.0	3 12.0	3 10.5	3 9.0	4 10.0	3 6.0	4 6.0	1 1.0	3 1.5	80.0
<b>PROJECT: Vegas Valley Drive - Flamingo Wash to Pecos</b>											
VAVD 0000 & 0025	3 15.0	3 13.5	3 12.0	2 7.0	3 9.0	4 10.0	3 6.0	3 4.5	1 1.0	3 1.5	79.5
<b>PROJECT: Las Vegas Wash - Branch 02 - Monson Chnl - Las Vegas Wash to Boulder Hwy.</b>											
LV02 0001 thru 0294	3 15.0	3 13.5	3 12.0	3 10.5	3 9.0	2 5.0	3 6.0	2 3.0	2 2.0	3 1.5	77.5
<b>PROJECT: F4 Patrick Lane/ Fort Apache Road Lateral</b>											
FLOQ 0000	2 10.0	2 9.0	3 12.0	3 10.5	3 9.0	3 7.5	2 4.0	3 4.5	2 2.0	2 1.0	69.5

# EXHIBIT B

## Project Prioritization

Priority Factor and Weight											
Pop.	Land	Public	Access	Avoid.	Funding	Relation.	Implem.	Env.	O&M	Priority Value	
5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.0	0.5		
<b>HYDROGRAPHIC BASIN: Duck Creek/Blue Diamond</b>											
<b>PROJECT: Blue Diamond Channel, Amigo to Rancho Destino</b>											
4	3	3	3	3	3	4	3	2	2		
20.0	13.5	12.0	10.5	9.0	7.5	8.0	4.5	2.0	1.0	<b>88.0</b>	
<b>PROJECT: Blue Diamond Wash Railroad</b>											
1	5	3	3	5	1	5	5	2	1		
5.0	22.5	12.0	10.5	15.0	2.5	10.0	7.5	2.0	0.5	<b>87.5</b>	
<b>PROJECT: Duck Cr./Blue Diamond, Bermuda to Las Vegas Blvd.</b>											
3	3	3	3	3	3	4	3	2	2		
15.0	13.5	12.0	10.5	9.0	7.5	8.0	4.5	2.0	1.0	<b>83.0</b>	
<b>PROJECT: Duck Creek, Sunset to Sandhill</b>											
3	3	3	3	3	3	3	3	3	3		
15.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	3.0	1.5	<b>82.5</b>	
<b>PROJECT: Blue Diamond Channel 02, I-15 to Decatur</b>											
3	3	3.0	3	4	3	4	1	1	1		
15.0	13.5	12.0	10.5	12.0	7.5	8.0	1.5	1.0	0.5	<b>81.5</b>	
<b>PROJECT: Blue Diamond Wash - Arville to I-15</b>											
3	3	2.5	3	3	3	3	3	3	4		
15.0	13.5	10.0	10.5	9.0	7.5	6.0	4.5	3.0	2.0	<b>81.0</b>	
<b>PROJECT: Duck Creek Wash Tributary 4 - Jones to Decatur</b>											
3	3	2.5	3	3	3	3	3	3	3		
15.0	13.5	10.0	10.5	9.0	7.5	6.0	4.5	3.0	1.5	<b>80.5</b>	
<b>PROJECT: Duck Creek Wash Tributary 4 - Detention Basin to Jones</b>											
3	3	2.5	3	3	3	3	3	3	3		
15.0	13.5	10.0	10.5	9.0	7.5	6.0	4.5	3.0	1.5	<b>80.5</b>	
<b>PROJECT: Duck Creek @ Dean Martin</b>											
3	3	3	2	3	4	3	3	1	3		
15.0	13.5	12.0	7.0	9.0	10.0	6.0	4.5	1.0	1.5	<b>79.5</b>	

## **EXHIBIT C**

EXHIBIT C

CITY OF HENDERSON  
10-YEAR CONSTRUCTION PROGRAM

Adopted June 14, 2012

	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022					
				(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22	
<b>TOTAL PLAN</b>			<b>\$531,644,997</b>	<b>\$40,717,272</b>	<b>\$28,953,497</b>	<b>\$32,656,869</b>	<b>\$36,976,819</b>	<b>\$41,628,292</b>	<b>\$46,319,703</b>	<b>\$52,135,532</b>	<b>\$57,056,183</b>	<b>\$59,506,809</b>	<b>\$63,161,261</b>	
Unencumbered from previous year	\$72,532,760		<b>\$528,214,962</b>	\$20,712,187	\$21,461,629	\$20,620,112	\$30,178,044	\$10,038,962	\$20,863,877	\$15,614,463	\$13,888,009	\$25,005,210	\$3,430,035	
<b>ENTITY RESOURCES</b>			<b>\$54,596,485</b>	<b>\$15,239,370</b>	<b>\$2,687,305</b>	<b>\$3,043,328</b>	<b>\$3,458,625</b>	<b>\$3,905,794</b>	<b>\$4,356,802</b>	<b>\$4,915,906</b>	<b>\$5,388,952</b>	<b>\$5,624,542</b>	<b>\$5,975,862</b>	
Unencumbered from previous year	\$11,587,159			\$1,080,479	\$1,292,944	\$1,981,778	\$1,151,051	\$1,859,936	\$901,285	\$435,578	\$208,783	\$1,415,148	\$6,140,392	
<b>ENTITY TOTAL</b>		<b>\$625,659,062</b>	<b>\$223,322,208</b>	<b>\$48,456,094</b>	<b>\$14,158,891</b>	<b>\$2,474,839</b>	<b>\$2,354,494</b>	<b>\$4,289,353</b>	<b>\$3,196,908</b>	<b>\$5,315,453</b>	<b>\$5,381,613</b>	<b>\$5,615,746</b>	<b>\$4,418,177</b>	<b>\$1,250,619</b>
<b>HYDROGRAPHIC BASIN: PITTMAN</b>		<b>\$471,269,388</b>	<b>\$177,367,908</b>	<b>\$32,516,554</b>	<b>\$6,925,043</b>	<b>\$2,474,839</b>	<b>\$2,354,494</b>	<b>\$751,581</b>	<b>\$3,196,908</b>	<b>\$4,565,710</b>	<b>\$5,381,613</b>	<b>\$5,615,746</b>	<b>\$0</b>	<b>\$1,250,619</b>
<b>SYSTEM: Pittman Burns</b>		<b>\$80,211,394</b>	<b>\$31,833,968</b>	<b>\$7,244,588</b>	<b>\$4,769,749</b>	<b>\$2,474,839</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Pittman West Horizon - Palm Hills</b>														
Design/Admin			\$115,296						\$35,281					
Right-of-way	PTWH 0032		\$0											
Construction			\$916,605						\$701,203					
<b>PROJECT: Galleria to Boulder Hwy.</b>														
Design/Admin			\$321,576						\$98,402					
Right-of-way	PTSU 0000		\$257,261											
Construction			\$2,299,270						\$3,934,863					
<b>PROJECT: Horizon Ridge Debris Basin &amp; Outfall at Sumner Ranch Road</b>														
Design/Admin	PTHR 0104, 0139, 0140, 0150 & 0203 thru 0205		\$458,981						\$141,853					
Right-of-way			\$367,184											
Construction			\$3,019,461						\$2,332,987					
<b>SYSTEM: Pittman Beltway</b>		<b>\$250,622,766</b>	<b>\$32,601,045</b>	<b>\$2,155,294</b>	<b>\$2,155,294</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Anthem Parkway Channel - Horizon Ridge to Sienna Heights</b>														
Design/Admin			\$120,056						\$36,737					
Right-of-way	PTAP 0018		\$96,044											
Construction			\$858,397						\$2,118,557					
<b>SYSTEM: Lower Pittman</b>		<b>\$135,413,191</b>	<b>\$36,269,083</b>	<b>\$8,012,347</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,818,392</b>	<b>\$530,882</b>	<b>\$2,607,392</b>	<b>\$0</b>	<b>\$3,055,681</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Pittman MacDonald Ranch Debris Basin</b>														
Design/Admin			\$471,723						\$227,521		\$164,136			
Right-of-way	PTMR 0400 thru 0480		\$377,378						\$303,361					
Construction			\$3,324,085								\$2,891,545			
<b>PROJECT: Whitney Wash Channel</b>														
Design/Admin			\$57,601						\$18,892					
Right-of-way	WWDC 0069		\$46,080											
Construction			\$411,844						\$2,588,500					
<b>PROJECT: Pittman Wash Duck Creek at I-515</b>														
Design/Admin			\$58,342					\$18,392						
Right-of-way	PTDC 0074		\$46,674											
Construction			\$417,145					\$1,800,000						
<b>SYSTEM: Upper Pittman</b>		<b>\$4,797,807</b>	<b>\$67,042,790</b>	<b>\$15,104,325</b>	<b>\$0</b>	<b>\$0</b>	<b>\$536,102</b>	<b>\$220,699</b>	<b>\$589,517</b>	<b>\$4,565,710</b>	<b>\$2,325,932</b>	<b>\$5,615,746</b>	<b>\$0</b>	<b>\$1,250,619</b>
<b>PROJECT: Pittman North Detention Basin Outfall - St. Rose to Spencer</b>														
Design/Admin			\$1,707,461									\$917,904		
Right-of-way	PTNO 0000 thru 0073		\$1,365,969									\$1,223,872		
Construction			\$12,208,348											
<b>PROJECT: Pittman North Detention Basin Outfall</b>														
Design/Admin			\$716,046					\$84,648		\$241,892				
Right-of-way	PTNO 0180		\$572,837					\$451,455						
Construction			\$5,119,728							\$4,323,818				
<b>PROJECT: Pittman North Detention Basin</b>														
Design/Admin			\$1,830,317					\$220,699		\$159,215				
Right-of-way	PTNO 0181 thru 0183		\$1,464,253											
Construction			\$9,963,327							\$2,166,717				
<b>PROJECT: Pittman North Detention Basin to Larson Lane</b>														
Design/Admin			\$513,552					\$252,650		\$184,052				
Right-of-way	PTSD 0000 thru 0043		\$410,842					\$336,867						
Construction			\$3,671,895							\$3,289,919				
<b>PROJECT: Pittman, Larson Lane - Las Vegas Blvd. to Bermuda Rd.</b>														
Design/Admin			\$939,781											\$535,978
Right-of-way	PTLA 0000 thru 0126		\$751,827											\$714,640
Construction			\$6,719,446											

EXHIBIT C

CITY OF HENDERSON  
10-YEAR CONSTRUCTION PROGRAM

Adopted June 14, 2012

	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022					
				(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22	
<b>TOTAL PLAN</b>														
Unencumbered from previous year	\$72,532,760													
Annual Resources			<b>\$531,644,997</b>	\$40,717,272	\$28,953,497	\$32,656,869	\$36,976,819	\$41,628,292	\$46,319,703	\$52,135,532	\$57,056,183	\$59,506,809	\$63,161,261	
Cumulative Available Resources			<b>\$528,214,962</b>	\$20,712,187	\$21,461,629	\$20,620,112	\$30,178,044	\$10,038,982	\$20,863,877	\$15,614,463	\$13,888,009	\$25,005,210	\$3,430,035	
<b>ENTITY RESOURCES</b>														
Unencumbered from previous year	\$11,587,159													
Annual Resources			<b>\$54,596,485</b>	\$15,239,370	\$2,687,305	\$3,043,328	\$3,458,625	\$3,905,794	\$4,356,802	\$4,915,906	\$5,388,952	\$5,624,542	\$5,975,862	
Cumulative Available Resources				\$1,080,479	\$1,292,944	\$1,981,778	\$1,151,051	\$1,859,936	\$901,285	\$435,578	\$208,783	\$1,415,148	\$6,140,392	
<b>ENTITY TOTAL</b>	<b>\$625,659,062</b>	<b>\$223,322,208</b>	<b>\$48,456,094</b>	<b>\$14,158,891</b>	<b>\$2,474,839</b>	<b>\$2,354,494</b>	<b>\$4,289,353</b>	<b>\$3,196,908</b>	<b>\$5,315,453</b>	<b>\$5,381,613</b>	<b>\$5,615,746</b>	<b>\$4,418,177</b>	<b>\$1,250,619</b>	
<b>HYDROGRAPHIC BASIN: C-1</b>	<b>\$154,389,674</b>	<b>\$45,954,300</b>	<b>\$15,939,540</b>	<b>\$7,233,848</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,537,772</b>	<b>\$0</b>	<b>\$749,743</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,418,177</b>	<b>\$0</b>	
<b>SYSTEM: C-1</b>	<b>\$154,389,674</b>	<b>\$45,954,300</b>	<b>\$15,939,540</b>	<b>\$7,233,848</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,537,772</b>	<b>\$0</b>	<b>\$749,743</b>	<b>\$0</b>	<b>\$0</b>	<b>\$4,418,177</b>	<b>\$0</b>	
<b>PROJECT: Center Street Storm Drain</b>														
Design/Admin			\$582,908				\$187,432							
Right-of-way	C1CT 0000 thru 0048		\$466,326											
Construction			\$4,167,789				\$3,350,340							
<b>PROJECT: Racetrack Channel - Drake to Burkholder</b>														
Design/Admin			\$403,757				\$123,550							
Right-of-way	C1RT 0001 thru 0041		\$323,006											
Construction			\$2,886,862				\$2,208,449							
<b>PROJECT: Four Kids Wash - Lake Mead to Eagle Rock Road</b>														
Design/Admin			\$93,104				\$28,490							
Right-of-way	C1FK 0040		\$74,483											
Construction			\$665,691				\$509,254							
<b>PROJECT: C-1 Channel, SNWA Drop Structure to Lake Mead</b>														
Design/Admin			\$634,109						\$321,319			\$234,076		
Right-of-way	C1CH 0161		\$507,287						\$428,424					
Construction			\$4,533,880									\$4,184,102		
<b>PROJECT: Equestrian Detention Basin Expansion</b>														
Design/Admin			\$108,900				\$33,323							
Right-of-way	C1EQ 0160		\$87,120											
Construction			\$683,348				\$824,000							
<b>PROJECT: Equestrian Tributary, Phase II</b>														
Design/Admin			\$467,330				\$143,003							
Right-of-way	C1E1 0044		\$0											
Construction			\$3,715,307				\$3,363,779							

EXHIBIT C

CITY OF LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM

Adopted June 14, 2012

	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022				
					(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22
<b>TOTAL PLAN</b>			Annual Resources	<b>\$531,644,997</b>	<b>\$40,717,272</b>	<b>\$28,953,497</b>	<b>\$32,656,869</b>	<b>\$36,976,819</b>	<b>\$41,628,292</b>	<b>\$46,319,703</b>	<b>\$52,135,532</b>	<b>\$57,056,183</b>	<b>\$59,506,809</b>	<b>\$63,161,261</b>
Unencumbered from previous year	\$72,532,760		Cumulative Available Resources	<b>\$528,214,962</b>	\$20,712,187	\$21,461,629	\$20,620,112	\$30,178,044	\$10,038,982	\$20,863,877	\$15,614,463	\$13,888,009	\$25,005,210	\$3,430,035
<b>ENTITY RESOURCES</b>			Annual Resources	<b>\$216,226,367</b>	\$38,648,641	\$12,125,011	\$13,731,372	\$15,605,179	\$17,622,786	\$19,657,716	\$22,180,369	\$24,314,734	\$25,377,709	\$26,962,851
Unencumbered from previous year	\$22,170,012		Cumulative Available Resources		\$290,193	\$4,915,205	\$6,554,162	\$5,761,754	\$1,260,341	\$3,440,688	\$5,609,735	\$938,015	\$10,518,433	<b>(\$3,613,915)</b>
<b>ENTITY TOTAL</b>		<b>\$1,034,304,336</b>	<b>\$1,268,245,462</b>	<b>\$219,840,282</b>	<b>\$38,358,447</b>	<b>\$7,500,000</b>	<b>\$12,092,415</b>	<b>\$16,397,587</b>	<b>\$22,124,198</b>	<b>\$17,477,369</b>	<b>\$20,011,323</b>	<b>\$28,986,453</b>	<b>\$15,797,291</b>	<b>\$41,095,199</b>
<b>HYDROGRAPHIC BASIN: CENTRAL</b>		<b>\$471,498,118</b>	<b>\$596,976,376</b>	<b>\$114,235,415</b>	<b>\$250,000</b>	<b>\$7,500,000</b>	<b>\$7,758,699</b>	<b>\$0</b>	<b>\$21,222,446</b>	<b>\$1,935,994</b>	<b>\$2,432,940</b>	<b>\$16,242,845</b>	<b>\$15,797,291</b>	<b>\$41,095,199</b>
<b>SYSTEM: LV Wash I-15 Tributary</b>		<b>\$87,415,667</b>	<b>\$134,584,448</b>	<b>\$15,932,860</b>	<b>\$0</b>	<b>\$0</b>	<b>\$7,758,699</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$532,249</b>	<b>\$0</b>	<b>\$7,641,912</b>
<b>PROJECT: Freeway Channel - Washington, Valley View to Decatur</b>														
Design/Admin			\$940,817											
Right-of-way	LV15 0602		\$752,654	\$536,569										\$536,569
Construction			\$6,726,843											
<b>PROJECT: Freeway Channel - Washington, Rancho to Valley View</b>														
Design/Admin			\$990,076									\$532,249		\$376,442
Right-of-way	LV15 0528		\$792,061	\$7,637,592										
Construction			\$7,079,045											\$6,728,901
<b>PROJECT: Freeway Channel - Washington, MLK to Rancho</b>														
Design/Admin		Design Started 11/12	\$1,303,944				\$411,057							
Right-of-way	LV15 0424, 0472 & 0474	LAS14C11	\$1,043,155	\$7,758,699										
Construction			\$9,323,200				\$7,347,642							
<b>SYSTEM: LV Wash Central</b>		<b>\$382,105,195</b>	<b>\$240,460,892</b>	<b>\$37,405,744</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$20,977,798</b>	<b>\$0</b>	<b>\$1,040,679</b>	<b>\$1,077,777</b>	<b>\$0</b>	<b>\$14,309,490</b>
<b>PROJECT: Las Vegas Wash - Charleston to Cedar</b>														
Design/Admin			\$997,908						\$300,000					
Right-of-way	LVMD 1071 thru 1121		\$798,326	\$9,150,000										
Construction			\$7,135,039						\$8,850,000					
<b>PROJECT: Oakley - Meadows Storm Drain</b>														
3rd Supplement Construction	MEOK 0000 thru 0048 LCME 0026 thru 0070 MEPA 0022			\$0										
Design/Admin		Design Started 03/04 LAS05E03	\$1,502,879											
Construction	MEOK 0070 thru 0110		\$21,485,887	\$11,827,798										
Design/Admin			\$981,664						\$321,963					
Construction	MEOK 0150 thru 0217		\$14,032,492						\$11,505,835					
<b>PROJECT: Cedar Avenue Channel - Charleston</b>														
Design/Admin			\$537,772									\$289,098		
Right-of-way	CACN 0001		\$430,217	\$289,098										
Construction			\$3,845,068											
<b>PROJECT: Cedar Avenue Channel - Stewart</b>														
Design/Admin			\$474,878									\$255,287		
Right-of-way	CNST 0000		\$379,903	\$255,287										
Construction			\$3,395,379											
<b>PROJECT: Owens Avenue East - LV Wash to Mojave</b>														
Design/Admin			\$1,993,920								\$1,040,879			\$758,119
Right-of-way	LVOE 0000		\$1,595,136	\$15,350,169										
Construction			\$14,256,529											\$13,551,371
<b>PROJECT: Owens Avenue East - Mojave to Eastern</b>														
Design/Admin			\$992,204									\$533,393		
Right-of-way	LVOE 0085		\$793,763	\$533,393										
Construction			\$7,094,257											

EXHIBIT C

CITY OF LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM

Adopted June 14, 2012

Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022							
				(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22			
				Annual Resources	Cumulative Available Resources	Annual Resources	Cumulative Available Resources	Annual Resources	Cumulative Available Resources	Annual Resources	Cumulative Available Resources	Annual Resources	Cumulative Available Resources			
<b>TOTAL PLAN</b>																
Unencumbered from previous year	\$72,532,760		\$531,644,997	\$40,717,272	\$28,953,497	\$32,656,869	\$36,976,819	\$41,628,292	\$46,319,703	\$52,135,532	\$57,056,183	\$59,506,809	\$63,161,261			
<b>ENTITY RESOURCES</b>																
Unencumbered from previous year	\$22,170,012		\$216,226,367	\$38,648,641	\$12,125,011	\$13,731,372	\$15,605,179	\$17,622,786	\$19,657,716	\$22,180,369	\$24,314,734	\$25,377,709	\$26,962,851			
<b>ENTITY TOTAL</b>				\$1,034,304,336	\$1,268,245,462	\$219,840,282	\$38,358,447	\$7,500,000	\$12,092,415	\$16,397,587	\$22,124,198	\$17,477,369	\$20,011,323	\$28,986,453	\$15,797,291	\$41,095,199
<b>SYSTEM: Sahara Boulder Highway</b>				\$1,977,256	\$221,931,036	\$60,896,811	\$250,000	\$7,500,000	\$0	\$0	\$244,648	\$1,935,994	\$1,392,261	\$14,632,819	\$15,797,291	\$19,143,797
<b>PROJECT: Boulder Highway Sahara Avenue - Mojave to Boulder Hwy</b>																
Design/Admin		Design Started 09/10	\$497,288							\$244,648			\$178,223			
Right-of-way	BHSA 0000	LAS27A09	\$397,831													
Construction			\$3,555,611										\$3,185,732			
<b>PROJECT: Boulder Highway Sahara Avenue - Eastern to Mojave</b>																
Design/Admin			\$1,553,335								\$787,113		\$556,699			
Right-of-way	BHSA 0026		\$1,242,668													
Construction			\$11,106,345										\$9,950,967			
<b>PROJECT: Sahara Avenue - Eastern Lateral</b>																
Design/Admin			\$389,599								\$197,419				\$143,817	
Right-of-way	SAEA 0000		\$311,679													
Construction			\$2,785,635												\$2,570,730	
<b>PROJECT: Boulder Highway Sahara Avenue - Maryland to Eastern</b>																
Design/Admin			\$1,877,672								\$951,462				\$693,126	
Right-of-way	BHSA 0075		\$1,502,137													
Construction			\$13,425,353												\$12,389,619	
<b>PROJECT: Boulder Highway Sahara Avenue - L.V. Blvd. to Maryland</b>																
Design/Admin			\$2,667,545									\$1,392,261			\$1,014,241	
Right-of-way	BHSA 0175		\$2,134,036													
Construction			\$19,072,943												\$18,129,556	
<b>PROJECT: Las Vegas Wash - Bonanza - Las Vegas Wash to Lamb</b>																
Design/Admin			\$1,415,926										\$761,179			
Right-of-way	LVBZ 0000		\$1,132,741													
Construction			\$10,123,873													
<b>PROJECT: Flamingo - Boulder Hwy. North, Main St.</b>																
Design/Admin		Design Started 10/11	\$399,028													
Right-of-way	FLBN 0342	LAS29A10	\$319,223													
Construction		Engr's Est.	\$2,853,055													
<b>HYDROGRAPHIC BASIN: GOWAN</b>				\$367,632,819	\$231,300,483	\$21,514,953	\$9,134,203	\$0	\$0	\$347,979	\$471,187	\$0	\$4,738,306	\$6,823,278	\$0	\$0
<b>SYSTEM: Gowan North</b>				\$195,013,054	\$230,164,471	\$21,514,953	\$9,134,203	\$0	\$0	\$347,979	\$471,187	\$0	\$4,738,306	\$6,823,278	\$0	\$0
<b>PROJECT: Angel Park North - Detention Basin</b>																
Design/Admin		Design Started 09/10	\$90,347													
Right-of-way	APNO 0001	LAS01D09	\$72,277													
Construction			\$566,925													
<b>PROJECT: Gowan Outfall - El Capitan Branch, Lone Mtn to Washburn</b>																
Design/Admin			\$721,470							\$347,979			\$251,036			
Right-of-way	GOEC 0000 thru 0026		\$577,176													
Construction			\$5,158,512										\$4,487,270			
<b>PROJECT: Gowan Outfall - El Capitan Branch, Washburn to Ann Road</b>																
Design/Admin			\$640,614												\$344,384	
Right-of-way	GOEC 0051 thru 0076		\$512,492													
Construction			\$4,580,393													
<b>PROJECT: Gowan Outfall - Rancho, Craig to Alexander</b>																
Design/Admin			\$957,765							\$471,187			\$343,253			
Right-of-way	GOAL 0100 thru 0111		\$766,212													
Construction			\$6,848,019										\$6,135,641			

EXHIBIT C

CITY OF LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM

Adopted June 14, 2012

Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022									
				(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22					
<b>TOTAL PLAN</b>				Annual Resources	\$531,644,997	\$40,717,272	\$28,953,497	\$32,656,869	\$36,976,819	\$41,628,292	\$46,319,703	\$52,135,532	\$57,056,183	\$59,506,809	\$63,161,261			
Unencumbered from previous year				Cumulative Available Resources	\$528,214,962	\$20,712,187	\$21,461,629	\$20,620,112	\$30,178,044	\$10,038,982	\$20,863,877	\$15,614,463	\$13,888,009	\$25,005,210	\$3,430,035			
<b>ENTITY RESOURCES</b>				Annual Resources	\$216,226,367	\$38,648,641	\$12,125,011	\$13,731,372	\$15,605,179	\$17,622,786	\$19,657,716	\$22,180,369	\$24,314,734	\$25,377,709	\$26,962,851			
Unencumbered from previous year				Cumulative Available Resources	\$216,226,367	\$290,193	\$4,915,205	\$6,554,162	\$5,761,754	\$1,260,341	\$3,440,688	\$5,609,735	\$938,015	\$10,518,433	(\$3,613,915)			
<b>ENTITY TOTAL</b>					\$1,034,304,336	\$1,268,245,462	\$219,840,282	\$38,358,447	\$7,500,000	\$12,092,415	\$16,397,587	\$22,124,198	\$17,477,369	\$20,011,323	\$28,986,453	\$15,797,291	\$41,095,199	
<b>HYDROGRAPHIC BASIN: UPPER NORTHERN LV WASH</b>					\$195,173,399	\$439,968,603	\$84,089,914	\$28,974,244	\$0	\$4,333,716	\$16,049,608	\$430,565	\$15,541,374	\$12,840,077	\$5,920,330	\$0	\$0	
<b>SYSTEM: Ann Road</b>					\$81,265,485	\$33,976,666	\$20,066,486	\$13,116,244	\$0	\$3,181,151	\$257,863	\$0	\$0	\$3,511,228	\$0	\$0	\$0	
<b>PROJECT: Rancho Road System - Fort Apache to Grand Canyon</b>																		
	Design/Admin			Design Started 11/12	\$534,631				\$168,538									
	Right-of-way	RCHB 0275		LAS16L11	\$427,705													
	Construction				\$3,822,614				\$3,012,613									
<b>PROJECT: Rancho Road System - Grand Canyon to Hualapai</b>																		
	Design/Admin				\$534,631				\$257,863			\$186,025						
	Right-of-way	RCHB 0295			\$427,705													
	Construction				\$3,822,614							\$3,325,203						
<b>PROJECT: Rancho Road System - Beltway to Echelon Point</b>																		
	Design/Admin			Design Started 09/10	\$537,241				\$164,396									
	Right-of-way	RCHB 0227		LAS16J09	\$429,793													
	Construction				\$3,841,271				\$2,938,572									
<b>PROJECT: Rancho Road System - Echelon Point to Elkhorn</b>																		
	Design/Admin			Design Started 09/10	\$912,230				\$279,142									
	Right-of-way	RCHB 0250		LAS16J09	\$729,784													
	Construction				\$6,522,448				\$4,989,673									
<b>PROJECT: Ann Road Channel West - Rainbow Blvd.</b>																		
	Design/Admin			Design Started 09/10	\$333,017				\$310,386									
	Right-of-way	ANRB 0000		LAS16I09	\$266,414													
	Construction				\$2,381,073				\$4,434,075									
<b>SYSTEM: Upper Western Tributary</b>					\$83,168,252	\$272,039,763	\$64,023,428	\$15,858,000	\$0	\$1,152,565	\$15,791,746	\$430,565	\$15,541,374	\$9,328,848	\$5,920,330	\$0	\$0	
<b>PROJECT: Centennial Parkway Channel West - US 95, Deer Springs to Elkhorn</b>																		
	Design/Admin				\$516,176				\$244,080			\$174,373						
	Right-of-way	CN95 0000			\$412,941													
	Construction				\$3,690,659							\$3,116,911						
<b>PROJECT: Centennial Parkway Channel West - US 95, Elkhorn to Durango</b>																		
	Design/Admin				\$1,420,441				\$685,106			\$494,243						
	Right-of-way	CN95 0068			\$1,136,353													
	Construction				\$10,156,156							\$8,834,605						
<b>PROJECT: Centennial Parkway Channel West - CC 215, Pioneer to US 95</b>																		
	Design/Admin				\$2,628,332													
	Right-of-way	CNWE 0301 thru 0304			\$2,102,533													
	Construction				\$18,792,507				\$15,106,640									
<b>PROJECT: Centennial Parkway Channel West - US 95, CC 215 to Deer Springs</b>																		
	Design/Admin				\$1,316,000				\$622,286			\$444,566						
	Right-of-way	CNWE 0325			\$1,053,000													
	Construction				\$9,409,000							\$7,946,283						
<b>PROJECT: Brent Drainage System - Durango to El Capitan</b>																		
	Design/Admin				\$875,193					\$430,565				\$313,660				
	Right-of-way	BRDB 0107 thru 0157			\$700,155													
	Construction				\$6,257,632									\$5,606,670				
<b>PROJECT: Brent Drainage System - Floyd Lamb Park to Durango</b>																		
	Design/Admin				\$605,249				\$286,199			\$204,463						
	Right-of-way	BRDB 0043			\$484,200													
	Construction				\$4,327,534							\$3,654,778						
<b>PROJECT: Las Vegas Wash - Grand Teton, Mountain Spa to Durango</b>																		
	Design/Admin			Design Started 08/09	\$2,195,000				\$1,038,000									
	Right-of-way	LVMD 2632 thru 2789		LAS22K08	\$0													
	Construction				\$17,473,000				\$14,820,000									

EXHIBIT C

**CITY OF NORTH LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM**

Adopted June 14, 2012

	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022						
					(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22		
<b>TOTAL PLAN</b>				<b>\$531,644,997</b>	<b>\$40,717,272</b>	<b>\$28,953,497</b>	<b>\$32,656,869</b>	<b>\$36,976,819</b>	<b>\$41,628,292</b>	<b>\$46,319,703</b>	<b>\$52,135,532</b>	<b>\$57,056,183</b>	<b>\$59,506,809</b>	<b>\$63,161,261</b>		
Unencumbered from previous year	\$72,532,760			<b>\$528,214,962</b>	\$20,712,187	\$21,461,629	\$20,620,112	\$30,178,044	\$10,038,982	\$20,863,877	\$15,614,463	\$13,888,009	\$25,005,210	\$3,430,035		
<b>ENTITY RESOURCES</b>				<b>\$83,688,198</b>	\$13,784,336	\$4,773,037	\$5,405,385	\$6,143,013	\$6,937,248	\$7,738,303	\$8,731,351	\$9,571,548	\$9,989,991	\$10,613,985		
Unencumbered from previous year	\$7,297,488				\$8,345,349	\$1,824,603	\$1,244,218	\$6,261,317	\$1,678,904	\$2,841,174	\$2,199,398	\$4,226,628	\$2,419,158	\$1,188,387		
<b>ENTITY TOTAL</b>				<b>\$498,594,396</b>	<b>\$457,902,928</b>	<b>\$82,499,811</b>	<b>\$5,438,988</b>	<b>\$11,293,783</b>	<b>\$5,985,770</b>	<b>\$1,125,914</b>	<b>\$11,519,661</b>	<b>\$6,576,033</b>	<b>\$9,373,127</b>	<b>\$7,544,318</b>	<b>\$11,797,461</b>	<b>\$11,844,757</b>
<b>HYDROGRAPHIC BASIN: LOWER NORTHERN LV WASH</b>				<b>\$269,907,523</b>	<b>\$225,301,453</b>	<b>\$17,506,423</b>	<b>\$5,088,448</b>	<b>\$7,285,769</b>	<b>\$3,704,001</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$601,771</b>	<b>\$826,433</b>	<b>\$0</b>
<b>SYSTEM: Lower Western Tributary</b>				<b>\$101,096,096</b>	<b>\$22,970,596</b>	<b>\$6,765,145</b>	<b>\$4,197,848</b>	<b>\$1,139,093</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$601,771</b>	<b>\$826,433</b>	<b>\$0</b>	
<b>PROJECT: Las Vegas Boulevard Drain</b>																
Design/Admin			\$1,119,400													
Right-of-way	LVLV 0000		\$895,520	\$1,428,204										\$601,771		
Construction			\$8,003,707												\$826,433	
<b>PROJECT: Colton Channel I-15 to Fifth Street</b>																
Design/Admin			\$609,764				\$186,588									
Right-of-way	LVCL 0000	Design Started 07/08	\$487,811	\$3,521,844												
Construction		NLV18A07	\$4,359,812				\$3,335,256									
<b>PROJECT: Brooks Channel</b>																
Design/Admin			\$73,089				\$22,365									
Right-of-way	LVBR 0000, 0005, 0011, 0014, 0026	Design Started 07/08	\$58,471	\$466,873			\$44,730									
Construction		NLV18B07	\$522,585				\$399,778									
<b>PROJECT: Las Vegas Wash - N Channel, Cheyenne to Gowan</b>																
Design/Admin			\$195,267				\$89,628	\$60,349								
Right-of-way	LVNC 0038		\$156,214	\$1,348,224			\$119,504									
Construction			\$1,396,161				\$1,078,744									
<b>SYSTEM: LV Wash Craig</b>				<b>\$122,551,526</b>	<b>\$52,864,411</b>	<b>\$10,741,277</b>	<b>\$890,600</b>	<b>\$6,146,676</b>	<b>\$3,704,001</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Fifth Street Collector - Centennial to Deer Springs</b>																
Design/Admin			\$608,747				\$279,415	\$191,902								
Right-of-way	LV5C 0000 & 0002		\$498,618	\$4,368,673				\$385,257								
Construction			\$4,456,396					\$3,512,099								
<b>PROJECT: Ann Road Channel East, Las Vegas Wash to Fifth Street</b>																
Design/Admin			\$790,534				\$611,185	\$244,322								
Right-of-way	ANEA 0008 & 0040	Design Started 11/12	\$798,935	\$6,372,604				\$5,517,097								
Construction		NLV01G11	\$7,140,486													
<b>HYDROGRAPHIC BASIN: LOWER LAS VEGAS WASH</b>				<b>\$75,173,771</b>	<b>\$17,315,363</b>	<b>\$3,000,000</b>	<b>\$200,000</b>	<b>\$2,800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SYSTEM: Lower Las Vegas Wash</b>				<b>\$75,173,771</b>	<b>\$17,315,363</b>	<b>\$3,000,000</b>	<b>\$200,000</b>	<b>\$2,800,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Las Vegas Wash, Sloan Channel to Flamingo Confluence</b>																
Design/Admin			\$427,273				\$200,000	\$130,000								
Right-of-way	LVMD 0883 & 0911		\$341,818	\$3,000,000												
Construction			\$3,008,874					\$2,670,000								

EXHIBIT C

CITY OF NORTH LAS VEGAS  
10-YEAR CONSTRUCTION PROGRAM

Adopted June 14, 2012

Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022								
				(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22				
<b>TOTAL PLAN</b>				Annual Resources	\$531,644,997												
Unencumbered from previous year				Cumulative Available Resources	\$528,214,962	\$40,717,272	\$28,953,497	\$32,656,869	\$36,976,819	\$41,628,292	\$46,319,703	\$52,135,532	\$57,056,183	\$59,506,809	\$63,161,261		
<b>ENTITY RESOURCES</b>				Annual Resources	\$83,688,198	\$13,784,336	\$4,773,037	\$5,405,385	\$6,143,013	\$6,937,248	\$7,738,303	\$8,731,351	\$9,571,548	\$9,989,991	\$10,613,985		
Unencumbered from previous year				Cumulative Available Resources	\$83,688,198	\$8,345,349	\$1,824,603	\$1,244,218	\$6,261,317	\$1,678,904	\$2,841,174	\$2,199,398	\$4,226,628	\$2,419,158	\$1,188,387		
<b>ENTITY TOTAL</b>					\$498,594,396	\$457,902,928	\$82,499,811	\$5,438,988	\$11,293,783	\$5,985,770	\$1,125,914	\$11,519,661	\$6,576,033	\$9,373,127	\$7,544,318	\$11,797,461	\$11,844,757
<b>HYDROGRAPHIC BASIN: RANGE</b>					\$153,513,102	\$215,286,112	\$61,993,388	\$150,539	\$1,208,013	\$2,281,769	\$1,125,914	\$11,519,661	\$6,576,033	\$9,373,127	\$6,942,546	\$10,971,028	\$11,844,757
<b>SYSTEM: Lower Range</b>					\$78,320,739	\$34,332,276	\$10,354,806	\$0	\$212,474	\$0	\$348,745	\$474,293	\$0	\$4,854,300	\$405,457	\$0	\$4,059,537
<b>PROJECT: Range Wash - Alto Conveyance, Confluence DB to Los Feliz</b>																	
	Design/Admin			\$565,666								\$295,236				\$215,075	
	Right-of-way	RWAL 0000 thru 0068		\$452,532									\$405,457				
	Construction			\$4,044,512												\$3,844,462	
<b>PROJECT: Orchard Collector - Charleston to Linden</b>																	
	Design/Admin			\$22,449			\$6,938										
	Right-of-way	SLOR 0158		\$35,918													
	Construction			\$266,014			\$205,536										
<b>PROJECT: Owens Detention Basin &amp; Outfall</b>																	
	Design/Admin			\$723,059				\$348,745				\$251,589					
	Right-of-way	SLWA 0130 thru 0175; & SLOW 0000 thru 0005		\$578,447					\$474,293								
	Construction			\$4,951,822								\$4,307,475					
<b>SYSTEM: West Range</b>					\$73,386,808	\$134,004,822	\$24,944,465	\$150,539	\$995,540	\$2,281,769	\$449,182	\$10,599,307	\$4,714,304	\$0	\$5,753,825	\$0	\$0
<b>PROJECT: Beltway Detention Basin &amp; Channel</b>																	
	Design/Admin			\$698,471			\$330,280					\$235,955					
	Right-of-way	RWRR 0107 thru 0221		\$558,778				\$449,182									
	Construction			\$4,622,241								\$3,903,670					
<b>PROJECT: Centennial Collector</b>																	
	Design/Admin			\$327,972			\$150,539		\$103,390								
	Right-of-way	RWCC 0000		\$262,377				\$202,726									
	Construction			\$2,344,996				\$1,848,098									
<b>PROJECT: Vandenberg North Detention Basin, Collection &amp; Outfall</b>																	
	Design/Admin			\$1,710,162				\$792,814			\$560,894						
	Right-of-way	RWWE 0397 thru 0439		\$1,368,132													
	Construction			\$11,732,480							\$9,619,957						
<b>PROJECT: Beltway Collection System - Pecos</b>																	
	Design/Admin			\$850,579						\$418,455			\$304,838				
	Right-of-way	RWWE 0463 & RWBW 0000		\$680,463							\$574,679						
	Construction			\$6,081,640									\$5,448,986				
<b>SYSTEM: East Range</b>					\$1,805,555	\$46,949,014	\$26,694,118	\$0	\$0	\$0	\$327,987	\$446,062	\$1,861,729	\$4,518,827	\$783,265	\$10,971,028	\$7,785,220
<b>PROJECT: Hollywood System, Las Vegas Blvd to Azure</b>																	
	Design/Admin			\$1,574,592								\$797,884				\$581,246	
	Right-of-way	RWHW 0173 thru 0201		\$1,259,673								\$1,063,845					
	Construction			\$11,258,336												\$10,389,782	
<b>PROJECT: Hollywood System, Azure to Speedway #2 Detention Basin</b>																	
	Design/Admin			\$1,092,759								\$570,339				\$415,484	
	Right-of-way	RWHW 0277 thru 0412		\$874,206									\$783,265				
	Construction			\$7,753,227												\$7,369,736	
<b>PROJECT: Speedway North Detention Basin</b>																	
	Design/Admin			\$680,020				\$327,987				\$236,613					
	Right-of-way	RWHW 0500		\$544,016					\$446,062								
	Construction			\$4,267,126								\$3,711,674					

EXHIBIT C

CLARK COUNTY  
10-YEAR CONSTRUCTION PROGRAM

Adopted June 14, 2012

	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022				
					(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22
<b>TOTAL PLAN</b>			Annual Resources	<b>\$531,644,997</b>	\$40,717,272	\$28,953,497	\$32,656,869	\$36,976,819	\$41,628,292	\$46,319,703	\$52,135,532	\$57,056,183	\$59,506,809	\$63,161,261
Unencumbered from previous year	\$72,532,760		Cumulative Available Resources	<b>\$528,214,962</b>	\$20,712,187	\$21,461,629	\$20,620,112	\$30,178,044	\$10,038,982	\$20,863,877	\$15,614,463	\$13,888,009	\$25,005,210	\$3,430,035
<b>ENTITY RESOURCES</b>			Annual Resources	<b>\$165,037,332</b>	\$42,481,069	\$8,368,144	\$9,476,784	\$10,770,002	\$12,162,464	\$13,566,883	\$15,307,906	\$16,780,950	\$17,514,568	\$18,608,563
Unencumbered from previous year	\$31,108,251		Cumulative Available Resources		\$11,759,527	\$13,263,630	\$10,662,989	\$16,206,542	\$4,506,378	\$13,284,215	\$10,342,978	\$13,425,703	\$15,326,790	\$4,191,175
<b>ENTITY TOTAL</b>		<b>\$1,220,870,885</b>	<b>\$748,184,176</b>	<b>\$160,846,157</b>	<b>\$30,721,542</b>	<b>\$6,864,041</b>	<b>\$12,077,425</b>	<b>\$5,226,449</b>	<b>\$23,862,628</b>	<b>\$4,789,046</b>	<b>\$18,249,143</b>	<b>\$13,698,225</b>	<b>\$15,613,480</b>	<b>\$29,744,178</b>
<b>HYDROGRAPHIC BASIN: Tropicana/ Flamingo</b>		<b>\$827,922,279</b>	<b>\$237,488,121</b>	<b>\$71,021,272</b>	<b>\$12,665,079</b>	<b>\$247,028</b>	<b>\$9,614,905</b>	<b>\$4,911,275</b>	<b>\$23,000,000</b>	<b>\$0</b>	<b>\$513,494</b>	<b>\$1,836,954</b>	<b>\$6,854,976</b>	<b>\$11,377,562</b>
<b>SYSTEM: Tropicana Flamingo Project</b>		<b>\$439,474,908</b>	<b>\$57,520,990</b>	<b>\$11,168,400</b>	<b>\$11,168,400</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: F4 Patrick Lane/ Fort Apache Road Lateral</b>														
Design/Admin		Design Started 04/05	\$1,226,044		\$150,000									
Right-of-way	FLOQ 0000	CLA01B04	\$980,836	\$1,845,000										
Construction		Eng. Est.	\$8,766,218		\$1,695,000									
<b>PROJECT: Flamingo Diversion - Rainbow Branch - Russell to Sunset</b>														
Design/Admin		Design Started 08/09	\$1,154,622		\$758,000									
Right-of-way	FLRB 0050 thru 0062	CLA27C08	\$923,697	\$9,323,400										
Construction		Eng. Est.	\$8,255,548		\$8,565,400									
<b>SYSTEM: Lower Flamingo</b>		<b>\$276,594,452</b>	<b>\$122,597,305</b>	<b>\$33,231,503</b>	<b>\$1,230,000</b>	<b>\$247,028</b>	<b>\$0</b>	<b>\$1,386,005</b>	<b>\$23,000,000</b>	<b>\$0</b>	<b>\$513,494</b>	<b>\$0</b>	<b>\$6,854,976</b>	<b>\$0</b>
<b>PROJECT: Las Vegas Wash - Flamingo Confluence to Charleston</b>														
Design/Admin			\$4,218,249						\$1,400,000					
Right-of-way	LVMD 0916 thru 1069		\$3,374,599	\$23,000,000										
Construction			\$29,013,123						\$21,600,000					
<b>PROJECT: Wagon Trail Channel - Sunset to Teco</b>														
Design/Admin			\$228,368			\$105,869		\$73,431						
Right-of-way	WGTR 0111		\$182,694	\$1,633,033		\$141,159								
Construction			\$1,632,829					\$1,312,574						
<b>PROJECT: Vegas Valley Drive - Flamingo Wash to Pecos</b>														
Design/Admin			\$983,845								\$513,494		\$363,177	
Right-of-way	VAVD 0000 & 0025		\$787,076	\$7,368,470										
Construction			\$7,034,493										\$6,491,798	
<b>PROJECT: Flamingo Wash - Industrial Rd. to Hotel Rio Dr.</b>														
Design/Admin		Design Started 09/10	\$41,525		\$100,000									
Right-of-way	FLWA 0893 & 0896	CLA10F10	\$33,220	\$1,230,000										
Construction		Eng. Est.	\$296,901		\$1,130,000									
<b>SYSTEM: Lower LV Wash Tributaries</b>		<b>\$22,192,092</b>	<b>\$49,964,867</b>	<b>\$26,621,369</b>	<b>\$266,679</b>	<b>\$0</b>	<b>\$9,614,905</b>	<b>\$3,525,270</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$1,836,954</b>	<b>\$0</b>	<b>\$11,377,562</b>
<b>PROJECT: Tropicana Avenue Conveyance - Morris to Mountain Vista</b>														
Design/Admin			\$581,000		\$266,679			\$186,818						
Right-of-way	LV01 0151		\$465,000	\$3,791,949										
Construction			\$4,153,000					\$3,338,452						
<b>PROJECT: Las Vegas Wash - Boulder Highway</b>														
Design/Admin			\$1,585,378									\$852,274		\$602,785
Right-of-way	LVBH 0000		\$1,268,302	\$12,229,835										
Construction			\$11,335,452											\$10,774,777
<b>PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Morris</b>														
Design/Admin		Design Started 11/12	\$1,616,160				\$509,480							
Right-of-way	LV01 0001 thru 0135	CLA35A11	\$1,292,529	\$9,614,905										
Construction			\$11,553,697				\$9,105,424							
<b>PROJECT: Las Vegas Wash - Branch 02 - Monson Chnl - Las Vegas Wash to Boulder Hwy.</b>														
Design/Admin			\$1,831,677									\$984,680		
Right-of-way	LV02 0001 thru 0294		\$1,465,341	\$984,680										
Construction			\$12,817,431											

EXHIBIT C

CLARK COUNTY  
10-YEAR CONSTRUCTION PROGRAM

Adopted June 14, 2012

	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022				
					(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22
<b>TOTAL PLAN</b>			Annual Resources	<b>\$531,644,997</b>	<b>\$40,717,272</b>	<b>\$28,953,497</b>	<b>\$32,656,869</b>	<b>\$36,976,819</b>	<b>\$41,628,292</b>	<b>\$46,319,703</b>	<b>\$52,135,532</b>	<b>\$57,056,183</b>	<b>\$59,506,809</b>	<b>\$63,161,261</b>
Unencumbered from previous year	\$72,532,760		Cumulative Available Resources	<b>\$528,214,962</b>	\$20,712,187	\$21,461,629	\$20,620,112	\$30,178,044	\$10,038,982	\$20,863,877	\$15,614,463	\$13,888,009	\$25,005,210	\$3,430,035
<b>ENTITY RESOURCES</b>			Annual Resources	<b>\$165,037,332</b>	\$42,481,069	\$8,368,144	\$9,476,784	\$10,770,002	\$12,162,464	\$13,566,883	\$15,307,906	\$16,780,950	\$17,514,568	\$18,608,563
Unencumbered from previous year	\$31,108,251		Cumulative Available Resources	<b>\$165,037,332</b>	\$11,759,527	\$13,263,630	\$10,662,989	\$16,206,542	\$4,506,378	\$13,284,215	\$10,342,978	\$13,425,703	\$15,326,790	\$4,191,175
<b>ENTITY TOTAL</b>				<b>\$160,846,157</b>	<b>\$30,721,542</b>	<b>\$6,864,041</b>	<b>\$12,077,425</b>	<b>\$5,226,449</b>	<b>\$23,862,628</b>	<b>\$4,789,046</b>	<b>\$18,249,143</b>	<b>\$13,698,225</b>	<b>\$15,613,480</b>	<b>\$29,744,178</b>
<b>HYDROGRAPHIC BASIN: Duck Creek/ Blue Diamond</b>		\$324,933,694	\$317,473,688	\$61,316,537	\$10,419,733	\$0	\$307,915	\$315,174	\$862,628	\$4,789,046	\$5,635,649	\$11,861,271	\$8,758,504	\$18,366,617
<b>SYSTEM: Blue Diamond Tributaries</b>		\$40,999,871	\$84,772,428	\$24,982,154	\$8,010,239	\$0	\$307,915	\$315,174	\$535,936	\$4,152,070	\$4,291,614	\$7,369,206	\$0	\$0
<b>PROJECT: Blue Diamond Wash - Arville to I-15</b>														
Design/Admin			\$651,174				\$307,915			\$219,977				
Right-of-way	BDWA 0276		\$520,939	\$4,459,985										
Construction			\$4,655,895							\$3,932,093				
<b>PROJECT: Lower Blue Diamond DB Collector Channel</b>														
Design/Admin														
Right-of-way	BDWA 0477 thru 0613	Resolution 04-4		\$8,010,239										
Construction					\$8,010,239									
<b>PROJECT: Duck Cr./Blue Diamond, Bermuda to Las Vegas Blvd.</b>														
Design/Admin			\$653,455					\$315,174			\$227,370			
Right-of-way	DCBD 0075, 0082 & 0084		\$522,764	\$4,606,788										
Construction			\$4,672,206							\$4,064,244				
<b>PROJECT: Blue Diamond Channel, Amigo to Rancho Destino</b>														
Design/Admin			\$1,089,378						\$535,936			\$390,421		
Right-of-way	BDWA 0087 thru 0174		\$871,503	\$7,905,142										
Construction			\$7,789,055								\$6,978,784			
<b>SYSTEM: Upper Duck Creek</b>		\$69,101,764	\$116,698,799	\$33,104,317	\$282,752	\$0	\$0	\$0	\$326,692	\$562,175	\$1,344,035	\$4,492,065	\$7,729,981	\$18,366,617
<b>PROJECT: Blue Diamond Channel 02, I-15 to Decatur</b>														
Design/Admin			\$2,113,130								\$1,102,898			\$803,444
Right-of-way	BD02 0125 thru 0312 & 0359		\$1,690,504	\$16,153,840										\$14,247,498
Construction			\$14,988,879											
<b>PROJECT: Blue Diamond Wash Railroad</b>														
Design/Admin			\$462,014									\$241,137		\$175,665
Right-of-way	BDW5 0026		\$369,611	\$3,839,564										
Construction			\$3,303,403		\$282,752									\$3,140,010
<b>PROJECT: Duck Creek Wash Tributary 4 - Jones to Decatur</b>														
Design/Admin			\$1,109,429								\$562,175			\$409,536
Right-of-way	DCW4 0216 thru 0224		\$887,542	\$8,292,155										\$7,320,445
Construction			\$7,932,412											
<b>PROJECT: Duck Creek Wash Tributary 4 - Detention Basin to Jones</b>														
Design/Admin			\$664,055						\$326,692			\$237,990		
Right-of-way	DCW4 0298		\$531,244	\$4,818,757										
Construction			\$4,747,994								\$4,254,075			
<b>SYSTEM: Lower Duck Creek</b>		\$147,986,581	\$39,415,933	\$3,230,066	\$2,126,742	\$0	\$0	\$0	\$0	\$74,801	\$0	\$0	\$1,028,523	\$0
<b>PROJECT: Duck Creek @ Dean Martin</b>														
Design/Admin			\$147,617							\$74,801				\$54,491
Right-of-way	DCWA 1447		\$118,093	\$1,103,325										
Construction			\$1,055,458											\$974,032
<b>PROJECT: Duck Creek - Sunset to Sandhill</b>														
Design/Admin			\$368,219											
Right-of-way	DCWA 0648, 0656 & 0670	Design Started 11/12	\$294,575	\$2,126,742										
Construction		HEN24A11	\$2,632,767		\$112,675									
					\$2,014,067									

EXHIBIT C

CLARK COUNTY  
10-YEAR CONSTRUCTION PROGRAM

Adopted June 14, 2012

Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022								
				(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22				
<b>TOTAL PLAN</b>				Annual Resources	\$531,644,997	\$40,717,272	\$28,953,497	\$32,656,869	\$36,976,819	\$41,628,292	\$46,319,703	\$52,135,532	\$57,056,183	\$59,506,809	\$63,161,261		
Unencumbered from previous year				Cumulative Available Resources	\$528,214,962	\$20,712,187	\$21,461,629	\$20,620,112	\$30,178,044	\$10,038,982	\$20,863,877	\$15,614,463	\$13,888,009	\$25,005,210	\$3,430,035		
<b>ENTITY RESOURCES</b>				Annual Resources	\$165,037,332	\$42,481,069	\$8,368,144	\$9,476,784	\$10,770,002	\$12,162,464	\$13,566,883	\$15,307,906	\$16,780,950	\$17,514,568	\$18,608,563		
Unencumbered from previous year				Cumulative Available Resources	\$165,037,332	\$11,759,527	\$13,263,630	\$10,662,989	\$16,206,542	\$4,506,378	\$13,284,215	\$10,342,978	\$13,425,703	\$15,326,790	\$4,191,175		
<b>ENTITY TOTAL</b>					\$1,220,870,885	\$748,184,176	\$160,846,157	\$30,721,542	\$6,864,041	\$12,077,425	\$5,226,449	\$23,862,628	\$4,789,046	\$18,249,143	\$13,698,225	\$15,613,480	\$29,744,178
<b>HYDROGRAPHIC BASIN: Outlying Areas</b>					\$68,014,912	\$193,222,367	\$28,508,348	\$7,636,730	\$6,617,013	\$2,154,605	\$0	\$0	\$0	\$12,100,000	\$0	\$0	\$0
<b>SYSTEM: Goodsprings</b>					\$152,707	\$3,471,538	\$380,722	\$380,722	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>PROJECT: Goodsprings - Phase I</b>																	
		Design/Admin	GSEA 0000	Design Started 09/10	\$62,275					\$19,056							
		Right-of-way	GSPA 0027 & 0029	GSP01B10	\$27,500					\$21,038							
		Construction	GSRV 0019		\$445,266					\$340,628							
<b>SYSTEM: Muddy River &amp; Tributaries</b>					\$11,813,000	\$104,600,000	\$21,558,578	\$3,846,210	\$5,612,368	\$0	\$0	\$0	\$0	\$12,100,000	\$0	\$0	\$0
<b>PROJECT: Fairgrounds - Detention Basin</b>																	
		Design/Admin	FGWS 0000 thru 0166	Design Started 10/11	\$757,000					\$305,828							
		Right-of-way		MOA03A11	\$0												
		Construction			\$5,254,000					\$5,306,540							
<b>PROJECT: Muddy River Logandale Levee</b>																	
		Design/Admin	MRLL 0001, 0013, 0038	Design Started 09/10	\$451,000					\$312,700							
		Right-of-way		MOA01F10	\$0												
		Construction			\$2,676,000					\$3,533,510							
<b>PROJECT: Ramos Ranch to Bryner Avenue</b>																	
		Design/Admin	MRLV 0350, 0357, 0377 & 0388	MOA01B89	\$762,000								\$1,100,000				
		Right-of-way			\$553,000												
		Construction		Eng. Est.	\$5,452,000								\$11,000,000				
<b>SYSTEM: Mount Charleston</b>					\$671,995	\$1,156,969	\$910,385	\$0	\$71,277	\$839,108	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>PROJECT: Rainbow Canyon Boulevard Bridge</b>																	
		Design/Admin	MTCH 0001		\$153,750					\$71,277	\$48,468						
		Right-of-way			\$0												
		Construction			\$1,003,219					\$790,640							
<b>SYSTEM: Laughlin</b>					\$42,945,107	\$76,323,693	\$2,307,104	\$58,239	\$933,368	\$1,315,497	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>PROJECT: Hiko Detention Basin Expansion</b>																	
		Design/Admin	LUHS 0244		\$250,067					\$115,929	\$78,831						
		Right-of-way			\$0												
		Construction			\$1,569,167						\$1,236,665						
<b>PROJECT: SR 163 at Casino Drive</b>																	
		Design/Admin	LUBC 0000 thru 0031	Design Started 08/09	\$126,883					\$58,239	\$39,214						
		Right-of-way		LAU04A08	\$31,728												
		Construction			\$1,007,216						\$778,225						
<b>SYSTEM: Searchlight</b>					\$1,811,885	\$4,171,842	\$1,296,231	\$1,296,231	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>PROJECT: Searchlight - South, Encinitas St. Storm Drain</b>																	
		Design/Admin	SRSO 0000 thru 0030	Design Started 09/10	\$224,426					\$68,674							
		Right-of-way		SEA03A09	\$0												
		Construction			\$1,604,649					\$1,227,556							
<b>SYSTEM: Bunkerville</b>					\$10,620,218	\$3,498,325	\$2,055,327	\$2,055,327	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>PROJECT: Windmill Wash Detention Basin Expansion</b>																	
		Design/Admin	WIVA 0039, WJUE 0000 & JEWA 0166	Design Started 10/11	\$317,580					\$97,179							
		Right-of-way		BUN01D11	\$0												
		Construction			\$2,559,670					\$1,958,148							

EXHIBIT C

**CITY OF BOULDER CITY  
10-YEAR CONSTRUCTION PROGRAM**

Adopted June 14, 2012

	Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022				
					(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22
<b>TOTAL PLAN</b>			Annual Resources	<b>\$531,644,997</b>	<b>\$40,717,272</b>	<b>\$28,953,497</b>	<b>\$32,656,869</b>	<b>\$36,976,819</b>	<b>\$41,628,292</b>	<b>\$46,319,703</b>	<b>\$52,135,532</b>	<b>\$57,056,183</b>	<b>\$59,506,809</b>	<b>\$63,161,261</b>
Unencumbered from previous year	\$72,532,760		Cumulative Available Resources	<b>\$528,214,962</b>	\$20,712,187	\$21,461,629	\$20,620,112	\$30,178,044	\$10,038,982	\$20,863,877	\$15,614,463	\$13,888,009	\$25,005,210	\$3,430,035
<b>ENTITY RESOURCES</b>			Annual Resources	<b>\$4,973,259</b>	\$4,973,259	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Unencumbered from previous year	\$3,246,493		Cumulative Available Resources	<b>\$4,973,259</b>	\$1,113,282	\$1,113,282	\$125,001	\$125,001	\$125,001	\$125,001	\$125,001	\$125,001	\$125,001	\$125,001
<b>ENTITY TOTAL</b>		<b>\$44,864,000</b>	<b>\$49,657,000</b>	<b>\$4,848,258</b>	<b>\$3,859,977</b>	<b>\$0</b>	<b>\$988,281</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>HYDROGRAPHIC BASIN: Boulder City</b>		<b>\$44,864,000</b>	<b>\$49,657,000</b>	<b>\$4,848,258</b>	<b>\$3,859,977</b>	<b>\$0</b>	<b>\$988,281</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>SYSTEM: Georgia/Buchanan</b>		<b>\$12,724,000</b>	<b>\$2,695,000</b>	<b>\$3,859,977</b>	<b>\$3,859,977</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Buchanan Blvd., Phase III Improvements</b>														
Design/Admin			Design Started 09/10	\$311,000										
2nd Supplement Design/Admin		GBAP 0001, GBGR 0001 & GBBC 0110, 0149 & 0153		\$0	\$3,859,977									
Construction				\$1,967,000										
<b>SYSTEM: Hemenway</b>		<b>\$16,609,000</b>	<b>\$1,364,000</b>	<b>\$988,281</b>	<b>\$0</b>	<b>\$0</b>	<b>\$988,281</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Hemenway System, Phase II Improvements</b>														
Design/Admin		HMLV 0006 & 0019 HMTH 0034,	Design Started 09/10	\$180,000			\$56,743							
Right-of-way		HMLM 0066 & 0085, HMWA 0005, 0105, 0158,	BOU01C10	\$0										
Construction		0173, 0175, & 0182		\$1,182,000			\$931,538							

EXHIBIT C

**CITY OF MESQUITE  
10-YEAR CONSTRUCTION PROGRAM**

Adopted June 14, 2012

Fac. ID Mile Range	Existing Value/ Comments	Project Cost Per MPU	Total Plan	FIRST FIVE YEARS 7/2012 THRU 6/2017					SECOND FIVE YEARS 7/2017 THRU 6/2022							
				(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15	(Year 4) FY 15/16	(Year 5) FY 16/17	(Year 6) FY 17/18	(Year 7) FY 18/19	(Year 8) FY 19/20	(Year 9) FY 20/21	(Year 10) FY 21/22			
<b>TOTAL PLAN</b>																
Unencumbered from previous year	\$72,532,760		<b>\$531,644,997</b>	\$40,717,272	\$28,953,497	\$32,656,869	\$36,976,819	\$41,628,292	\$46,319,703	\$52,135,532	\$57,056,183	\$59,506,809	\$63,161,261			
		Cumulative Available Resources	<b>\$528,214,962</b>	\$20,712,187	\$21,461,629	\$20,620,112	\$30,178,044	\$10,038,982	\$20,863,877	\$15,614,463	\$13,888,009	\$25,005,210	\$3,430,035			
<b>ENTITY RESOURCES</b>																
Unencumbered from previous year	(\$2,876,643)		<b>\$7,123,357</b>	(\$1,876,643)	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000			
		Cumulative Available Resources		(\$1,876,643)	(\$948,036)	\$51,964	\$672,379	\$608,422	\$271,514	(\$3,098,225)	(\$5,036,121)	(\$4,799,320)	(\$4,601,004)			
<b>ENTITY TOTAL</b>				<b>\$60,450,405</b>	<b>\$55,092,285</b>	<b>\$11,724,361</b>	<b>\$0</b>	<b>\$71,393</b>	<b>\$0</b>	<b>\$379,585</b>	<b>\$1,063,957</b>	<b>\$1,336,908</b>	<b>\$4,369,739</b>	<b>\$2,937,896</b>	<b>\$763,199</b>	<b>\$801,684</b>
<b>HYDROGRAPHIC BASIN: Mesquite</b>				<b>\$60,450,405</b>	<b>\$55,092,285</b>	<b>\$11,724,361</b>	<b>\$0</b>	<b>\$71,393</b>	<b>\$0</b>	<b>\$379,585</b>	<b>\$1,063,957</b>	<b>\$1,336,908</b>	<b>\$4,369,739</b>	<b>\$2,937,896</b>	<b>\$763,199</b>	<b>\$801,684</b>
<b>SYSTEM: Town Wash</b>				<b>\$23,669,848</b>	<b>\$12,677,000</b>	<b>\$5,650,083</b>	<b>\$0</b>	<b>\$71,393</b>	<b>\$0</b>	<b>\$379,585</b>	<b>\$879,470</b>	<b>\$0</b>	<b>\$4,319,634</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Town Wash - Mesa Boulevard, Pioneer to Town Wash</b>																
Design/Admin	TWMB 0000		\$154,000					\$71,393		\$50,508						
Right-of-way	thru 0022															
Construction	TOWA 0120		\$1,011,000.00						\$828,962							
<b>PROJECT: Town Wash Mesa Boulevard, Chaparral to Pioneer</b>																
Design/Admin	TWMB 0024 thru		\$712,000					\$343,411		\$247,741						
Right-of-way	0094		\$45,000					\$36,174								
Construction			\$4,681,000							\$4,071,894						
<b>SYSTEM: Virgin River</b>				<b>\$0</b>	<b>\$22,738,000</b>	<b>\$6,074,278</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$184,487</b>	<b>\$1,336,908</b>	<b>\$50,105</b>	<b>\$2,937,896</b>	<b>\$763,199</b>	<b>\$801,684</b>	
<b>PROJECT: Virgin River Flood Wall</b>																
Design/Admin	VREC		\$375,000						\$184,487		\$134,396					
Right-of-way	0000,0028,0054		\$1,583,000							\$1,336,908						
Construction			\$3,129,000								\$2,803,500					
<b>PROJECT: Virgin River Erosion Protection, Phase I</b>																
Design/Admin	VREC 0203,0323,		\$96,000								\$50,105				\$36,501	
Right-of-way	0508, 0519		\$827,000										\$763,199			
Construction			\$805,000												\$765,183	

**EXHIBIT D**

**EXHIBIT D  
FISCAL YEAR 2012 - 2013  
PROJECT LIST**

	Facility ID Mile Range	(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15
<b>CITY OF HENDERSON</b>	<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$18,903,577</b>		
	<b>ENTITY TOTAL</b>	<b>\$14,158,891</b>	<b>\$2,474,839</b>	<b>\$2,269,847</b>
<b>HYDROGRAPHIC BASIN: PITTMAN</b>		<b>\$6,925,043</b>	<b>\$2,474,839</b>	<b>\$2,269,847</b>
<b>SYSTEM: Pittman Burns</b>		<b>\$4,769,749</b>	<b>\$2,474,839</b>	<b>\$0</b>
<b>PROJECT: Pittman West Horizon - Palm Hills</b>				
Design/Admin	PTWH 0032	\$35,281		
Construction		\$701,203		
<b>PROJECT: Galleria to Boulder Hwy.</b>				
Design/Admin	PTSU 0000	\$98,402		
Construction		\$3,934,863		
<b>PROJECT: Horizon Ridge Debris Basin &amp; Outfall at Sumner Ranch Road</b>				
Design/Admin	PTHR 0104, 0139, 0140, 0150 & 0203 thru 0205		\$141,853	
Construction			\$2,332,987	
<b>SYSTEM: Pittman Beltway</b>		<b>\$2,155,294</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Anthem Parkway Channel - Horizon Ridge to Sienna Heights</b>				
Design/Admin	PTAP 0018	\$36,737		
Construction		\$2,118,557		
<b>SYSTEM: Lower Pittman</b>		<b>\$0</b>	<b>\$0</b>	<b>\$1,818,392</b>
<b>PROJECT: Pittman Wash Duck Creek at I-515</b>				
Design/Admin	PTDC 0074			\$18,392
Construction				\$1,800,000
<b>SYSTEM: Upper Pittman</b>		<b>\$0</b>	<b>\$0</b>	<b>\$451,455</b>
<b>PROJECT: Pittman North Detention Basin Outfall</b>				
Right-of-way	PTNO 0180			\$451,455
<b>HYDROGRAPHIC Basin: C-1</b>		<b>\$7,233,848</b>	<b>\$0</b>	<b>\$0</b>
<b>SYSTEM: C-1</b>		<b>\$7,233,848</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Racetrack Channel - Drake to Burkholder</b>				
Design/Admin	C1RT 0001 thru 0041	\$123,550		
Construction		\$2,208,449		
<b>PROJECT: Four Kids Wash - Lake Mead to Eagle Rock Road</b>				
Design/Admin	C1FK 0040	\$28,490		
Construction		\$509,254		
<b>PROJECT: Equestrian Detention Basin Expansion</b>				
Design/Admin	C1EQ 0160	\$33,323		
Construction		\$824,000		
<b>PROJECT: Equestrian Tributary, Phase II</b>				
Design/Admin	C1E1 0044	\$143,003		
Construction		\$3,363,779		
<b>CITY OF LAS VEGAS</b>	<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$56,798,297</b>		
	<b>ENTITY TOTAL</b>	<b>\$38,358,447</b>	<b>\$7,500,000</b>	<b>\$10,939,850</b>
<b>HYDROGRAPHIC BASIN: CENTRAL</b>		<b>\$250,000</b>	<b>\$7,500,000</b>	<b>\$7,758,699</b>
<b>SYSTEM: LV Wash I-15 Tributary</b>		<b>\$0</b>	<b>\$0</b>	<b>\$7,758,699</b>
<b>PROJECT: Freeway Channel - Washington, MLK to Rancho</b>				
Design/Admin	LV15 0424, 0472 & 0474			\$411,057
Construction				\$7,347,642
<b>SYSTEM: Sahara Boulder Highway</b>		<b>\$250,000</b>	<b>\$7,500,000</b>	<b>\$0</b>
<b>PROJECT: Boulder Highway Sahara Avenue - Mojave to Boulder Hwy</b>				
Design/Admin	BHSA 0000	\$250,000		
<b>PROJECT: Flamingo - Boulder Hwy. North, Main Street</b>				
Design/Admin	FLBN 0342		\$500,000	
Construction			\$7,000,000	
<b>HYDROGRAPHIC BASIN: GOWAN</b>		<b>\$9,134,203</b>	<b>\$0</b>	<b>\$0</b>
<b>SYSTEM: Gowan North</b>		<b>\$9,134,203</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Angel Park North - Detention Basin</b>				
Design/Admin	APNO 0001	\$830,382		
Construction		\$8,303,821		
<b>HYDROGRAPHIC BASIN: UPPER NORTHERN LV WASH</b>		<b>\$28,974,244</b>	<b>\$0</b>	<b>\$3,181,151</b>
<b>SYSTEM: Ann Road</b>		<b>\$13,116,244</b>	<b>\$0</b>	<b>\$3,181,151</b>
<b>PROJECT: Rancho Road System - Fort Apache to Grand Canyon</b>				
Design/Admin	RCHB 0275			\$168,538
Construction				\$3,012,613
<b>PROJECT: Rancho Road System - Beltway to Echelon Point</b>				
Design/Admin	RCHB 0227	\$164,396		
Construction		\$2,938,572		
<b>PROJECT: Rancho Road System - Echelon Point to Elkhorn</b>				
Design/Admin	RCHB 0250	\$279,142		
Construction		\$4,989,673		
<b>PROJECT: Ann Road Channel West - Rainbow Blvd.</b>				
Design/Admin	ANRB 0000	\$310,386		
Construction		\$4,434,075		
<b>SYSTEM: Upper Western Tributary</b>		<b>\$15,858,000</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Las Vegas Wash - Grand Teton, Mountain Spa to Durango</b>				
Design/Admin	LVMD 2632 thru 2789	\$1,038,000		
Construction		\$14,820,000		

**EXHIBIT D  
FISCAL YEAR 2012 - 2013  
PROJECT LIST**

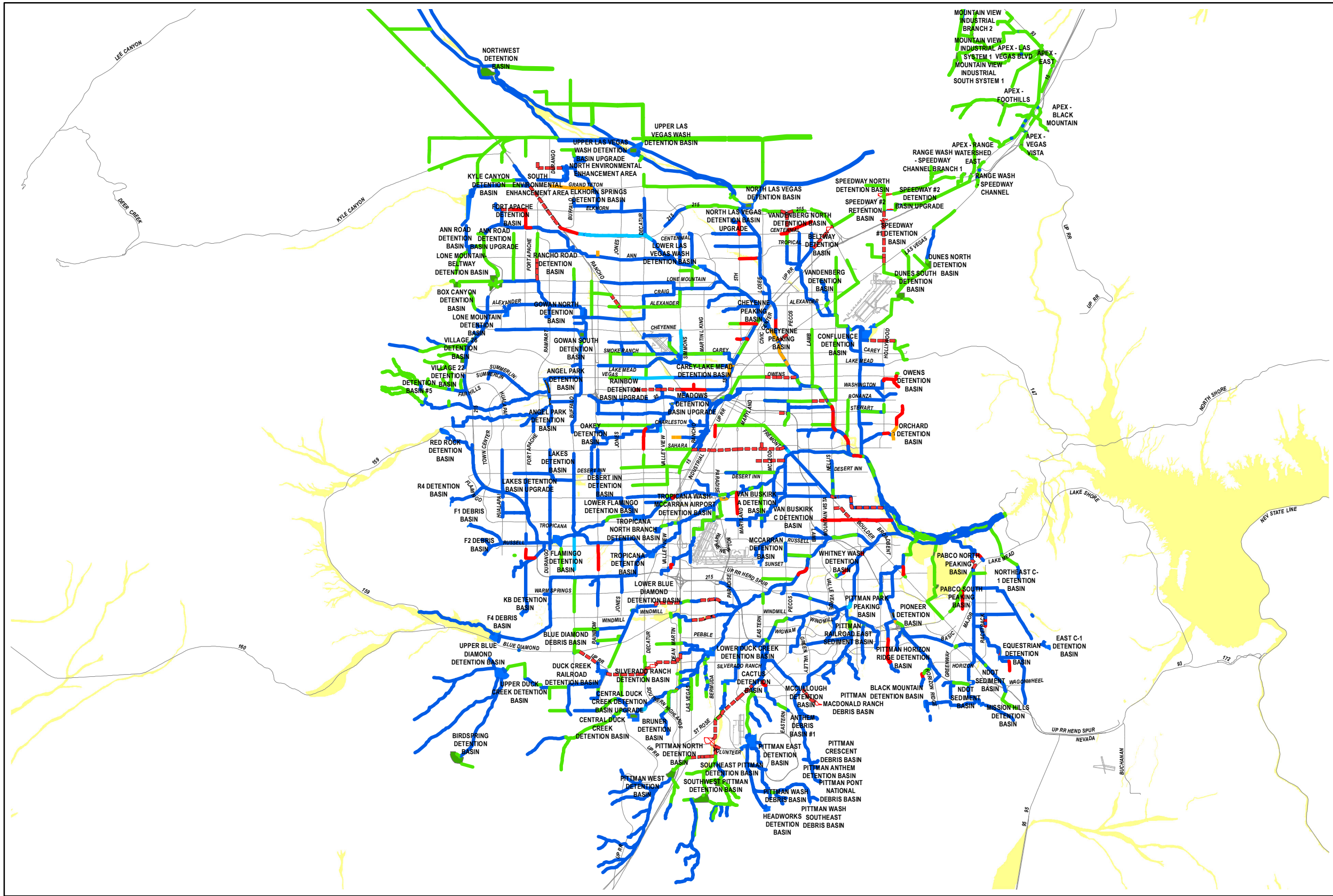
	Facility ID Mile Range	(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15
<b>CITY OF NORTH LAS VEGAS</b>	<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$21,595,446</b>		
	<b>ENTITY TOTAL</b>	<b>\$5,438,988</b>	<b>\$10,500,968</b>	<b>\$5,655,490</b>
<b>HYDROGRAPHIC BASIN: LOWER NORTHERN LV WASH</b>		<b>\$5,088,448</b>	<b>\$7,285,769</b>	<b>\$3,704,001</b>
<b>SYSTEM: Lower Western Tributary</b>		<b>\$4,197,849</b>	<b>\$1,139,093</b>	<b>\$0</b>
<b>PROJECT: Colton Channel I-15 to Fifth Street</b>				
Design/Admin	LVCL 0000	\$186,588		
Construction		\$3,335,256		
<b>PROJECT: Brooks Channel</b>				
Design/Admin	LVBR 0000, 0005, 0011, 0014, 0026	\$22,365		
Right-of-way		\$44,730		
Construction		\$399,778		
<b>PROJECT: Las Vegas Wash - N Channel, Cheyenne to Gowan</b>				
Design/Admin	LVNC 0038	\$89,628	\$60,349	
Right-of-way		\$119,504		
Construction			\$1,078,744	
<b>SYSTEM: LV Wash Craig</b>		<b>\$890,600</b>	<b>\$6,146,676</b>	<b>\$3,704,001</b>
<b>PROJECT: Fifth Street Collector - Centennial to Deer Springs</b>				
Design/Admin	LV5C 0000 & 0002	\$279,415		\$191,902
Right-of-way			\$385,257	
Construction				\$3,512,099
<b>PROJECT: Ann Road Channel East, Las Vegas Wash to Fifth Street</b>				
Design/Admin	ANEA 0008 & 0040		\$244,322	
Right-of-way		\$611,185		
Construction			\$5,517,097	
<b>HYDROGRAPHIC BASIN: Lower Las Vegas Wash</b>		<b>\$200,000</b>	<b>\$2,800,000</b>	<b>\$0</b>
<b>SYSTEM: Lower Las Vegas Wash</b>		<b>\$200,000</b>	<b>\$2,800,000</b>	<b>\$0</b>
<b>PROJECT: Las Vegas Wash, Sloan Channel to Flamingo Confluence</b>				
Design/Admin	LVMD 0883 & 0911	\$200,000	\$130,000	
Construction			\$2,670,000	
<b>HYDROGRAPHIC BASIN: RANGE</b>		<b>\$150,539</b>	<b>\$415,199</b>	<b>\$1,951,489</b>
<b>SYSTEM: Lower Range</b>		<b>\$0</b>	<b>\$212,474</b>	<b>\$0</b>
<b>PROJECT: Orchard Collector - Charleston to Linden</b>				
Design/Admin	SLOR 0158		\$6,938	
Construction			\$205,536	
<b>SYSTEM: West Range</b>		<b>\$150,539</b>	<b>\$202,726</b>	<b>\$1,951,489</b>
<b>PROJECT: Centennial Collector</b>				
Design/Admin	RWCC 0000	\$150,539		\$103,390
Right-of-way			\$202,726	
Construction				\$1,848,098
<b>Clark County</b>	<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$49,062,018</b>		
	<b>ENTITY TOTAL</b>	<b>\$30,721,542</b>	<b>\$6,570,967</b>	<b>\$11,769,510</b>
<b>HYDROGRAPHIC BASIN: Tropicana/ Flamingo</b>		<b>\$12,665,079</b>	<b>\$141,159</b>	<b>\$9,614,905</b>
<b>SYSTEM: Tropicana Flamingo Project</b>		<b>\$11,168,400</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: F4 Patrick Lane/ Fort Apache Road Lateral</b>				
Design/Admin	FLOQ 0000	\$150,000		
Construction		\$1,695,000		
<b>PROJECT: Flamingo Diversion - Rainbow Branch - Russell to Sunset</b>				
Design/Admin	FLRB 0050 thru 0062	\$758,000		
Construction		\$8,565,400		
<b>SYSTEM: Lower Flamingo</b>		<b>\$1,230,000</b>	<b>\$141,159</b>	<b>\$0</b>
<b>PROJECT: Wagon Trail Channel - Sunset to Teco</b>				
Right-of-way	WGTR 0111		\$141,159	
<b>PROJECT: Flamingo Wash - Industrial Rd. to Hotel Rio Dr.</b>				
Design/Admin	FLWA 0893 & 0896	\$100,000		
Construction		\$1,130,000		
<b>SYSTEM: Lower LV Wash Tributaries</b>		<b>\$266,679</b>	<b>\$0</b>	<b>\$9,614,905</b>
<b>PROJECT: Tropicana Avenue Conveyance - Morris to Mountain Vista</b>				
Design/Admin	LV01 0151	\$266,679		
<b>PROJECT: Tropicana Avenue Conveyance - Las Vegas Wash to Morris</b>				
Design/Admin	LV01 0001 thru 0135			\$509,480
Construction				\$9,105,424
<b>HYDROGRAPHIC BASIN: Duck Creek/ Blue Diamond</b>		<b>\$10,419,733</b>	<b>\$0</b>	<b>\$0</b>
<b>SYSTEM: Blue Diamond Tributaries</b>		<b>\$8,010,239</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Lower Blue Diamond DB Collector Channel</b>				
Construction	BDWA 0477 thru 0613	\$8,010,239		
<b>SYSTEM: Upper Duck Creek</b>		<b>\$282,752</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Blue Diamond Wash Railroad</b>				
Right-of-way	BDW5 0026	\$282,752		
<b>SYSTEM: Lower Duck Creek</b>		<b>\$2,126,742</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Duck Creek - Sunset to Sandhill</b>				
Design/Admin	DCWA 0648, 0656 & 0670	\$112,675		
Construction		\$2,014,067		

**EXHIBIT D  
FISCAL YEAR 2012 - 2013  
PROJECT LIST**

Facility ID Mile Range		(Year 1) FY 12/13	(Year 2) FY 13/14	(Year 3) FY 14/15
<b>HYDROGRAPHIC BASIN: Outlying Areas</b>		<b>\$7,636,730</b>	<b>\$6,429,808</b>	<b>\$2,154,605</b>
<b>SYSTEM: Goodsprings</b>		<b>\$380,722</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Goodsprings - Phase I</b>				
Design/Admin	GSEA 0000	\$19,056		
Right-of-way	GSPA 0027 & 0029	\$21,038		
Construction	GSRV 0019	\$340,628		
<b>SYSTEM: Muddy River &amp; Tributaries</b>		<b>\$3,846,210</b>	<b>\$5,612,368</b>	<b>\$0</b>
<b>PROJECT: Fairgrounds - Detention Basin</b>				
Design/Admin	FGWS 0000 thru 0166		\$305,828	
Construction			\$5,306,540	
<b>PROJECT: Muddy River Logandale Levee</b>				
Design/Admin	MRLI 0001, 0013, 0038	\$312,700		
Construction		\$3,533,510		
<b>SYSTEM: Mount Charleston</b>		<b>\$0</b>	<b>\$0</b>	<b>\$839,108</b>
<b>PROJECT: Rainbow Canyon Boulevard Bridge</b>				
Design/Admin	MTCH 0001			\$48,468
Construction				\$790,640
<b>SYSTEM: Laughlin</b>		<b>\$58,239</b>	<b>\$817,440</b>	<b>\$1,315,497</b>
<b>PROJECT: Hiko Detention Basin Expansion</b>				
Design/Admin	LUHS 0244			\$78,831
Construction				\$1,236,665
<b>PROJECT: SR 163 at Casino Drive</b>				
Design/Admin	LUBC 0000 thru 0031	\$58,239	\$39,214	
Construction			\$778,225	
<b>SYSTEM: Searchlight</b>		<b>\$1,296,231</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Searchlight - South, Encinitas St. Storm Drain</b>				
Design/Admin	SRSO 0000 thru 0030	\$68,674		
Construction		\$1,227,556		
<b>SYSTEM: Bunkerville</b>		<b>\$2,055,327</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Windmill Wash Detention Basin Expansion</b>				
Design/Admin	WIWA 0039; WIJE 0000 & JEWA 0166	\$97,179		
Construction		\$1,958,148		
<b>Boulder City</b>	<b>TOTAL ELIGIBLE YEAR 1</b>	<b>\$4,848,258</b>		
<b>ENTITY TOTAL</b>		<b>\$3,859,977</b>	<b>\$0</b>	<b>\$988,281</b>
<b>HYDROGRAPHIC BASIN: Boulder City</b>		<b>\$3,859,977</b>	<b>\$0</b>	<b>\$988,281</b>
<b>SYSTEM: Georgia/Buchanan</b>		<b>\$3,859,977</b>	<b>\$0</b>	<b>\$0</b>
<b>PROJECT: Buchanan Blvd., Phase III Improvements</b>				
Design/Admin	GBAP 0001, GBGR 0001 & GBBC 0110, 0149 & 0153	\$294,000		
Construction		\$3,565,977		
<b>SYSTEM: Hemenway</b>		<b>\$0</b>	<b>\$0</b>	<b>\$988,281</b>
<b>PROJECT: Hemenway System, Phase II Improvements</b>				
Design/Admin	HMLV 0006 & 0019; HMTH 0034; HMLM 0066 & 0085;			\$56,743
Construction	HMWA 0005, 0105, 0158, 0173, 0175, 0182			\$931,538

**MAPS**

# TEN-YEAR CONSTRUCTION PROGRAM LAS VEGAS VALLEY



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- - - Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 4.3 miles

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

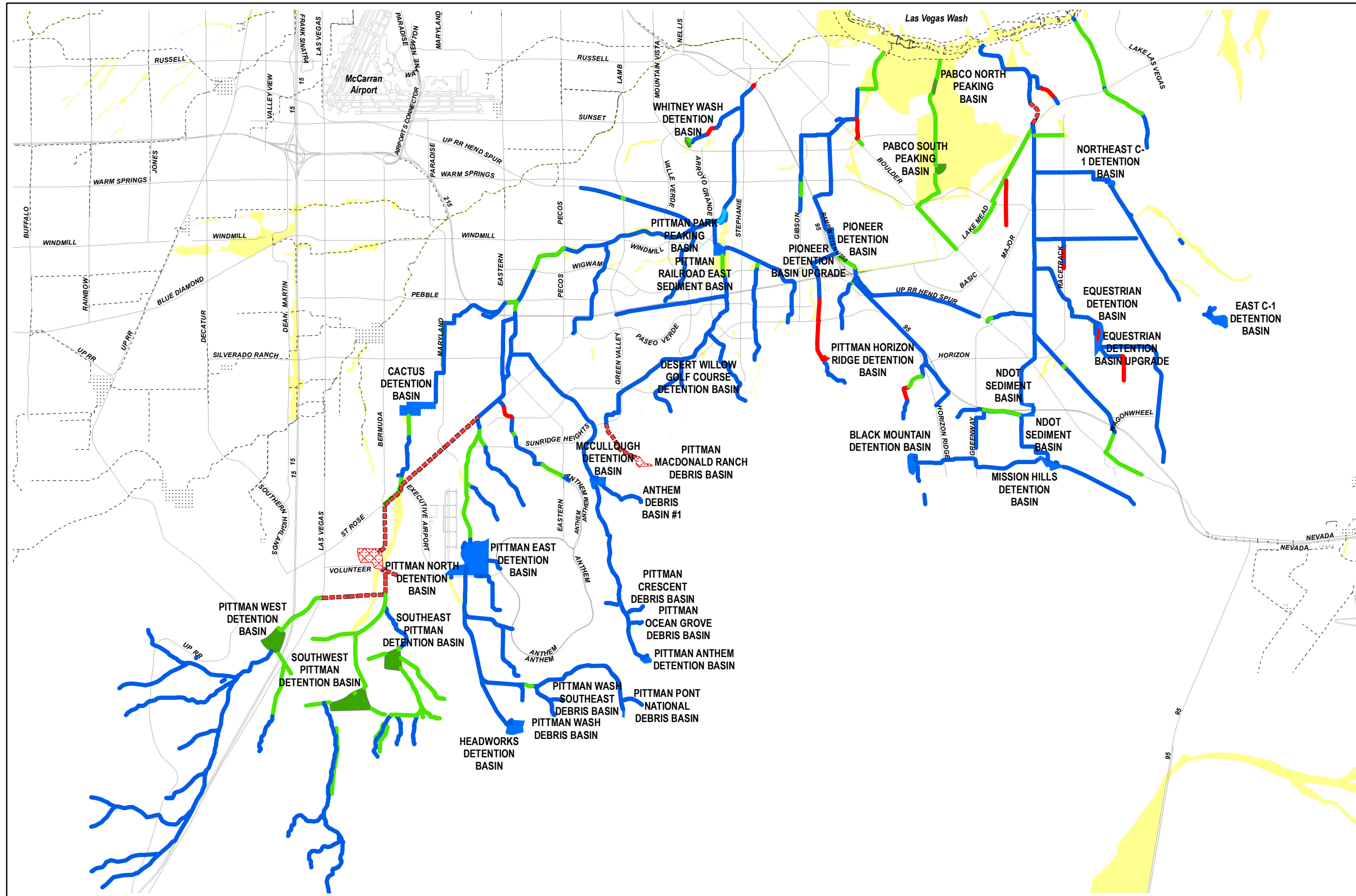
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 600 S. GRAND CENTRAL PKWY, SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May, 2012



# TEN-YEAR CONSTRUCTION PROGRAM PITTMAN WASH AND C-1 CHANNEL PLANNING AREA



**LEGEND**

**Conveyances STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone

N  
↑  
N

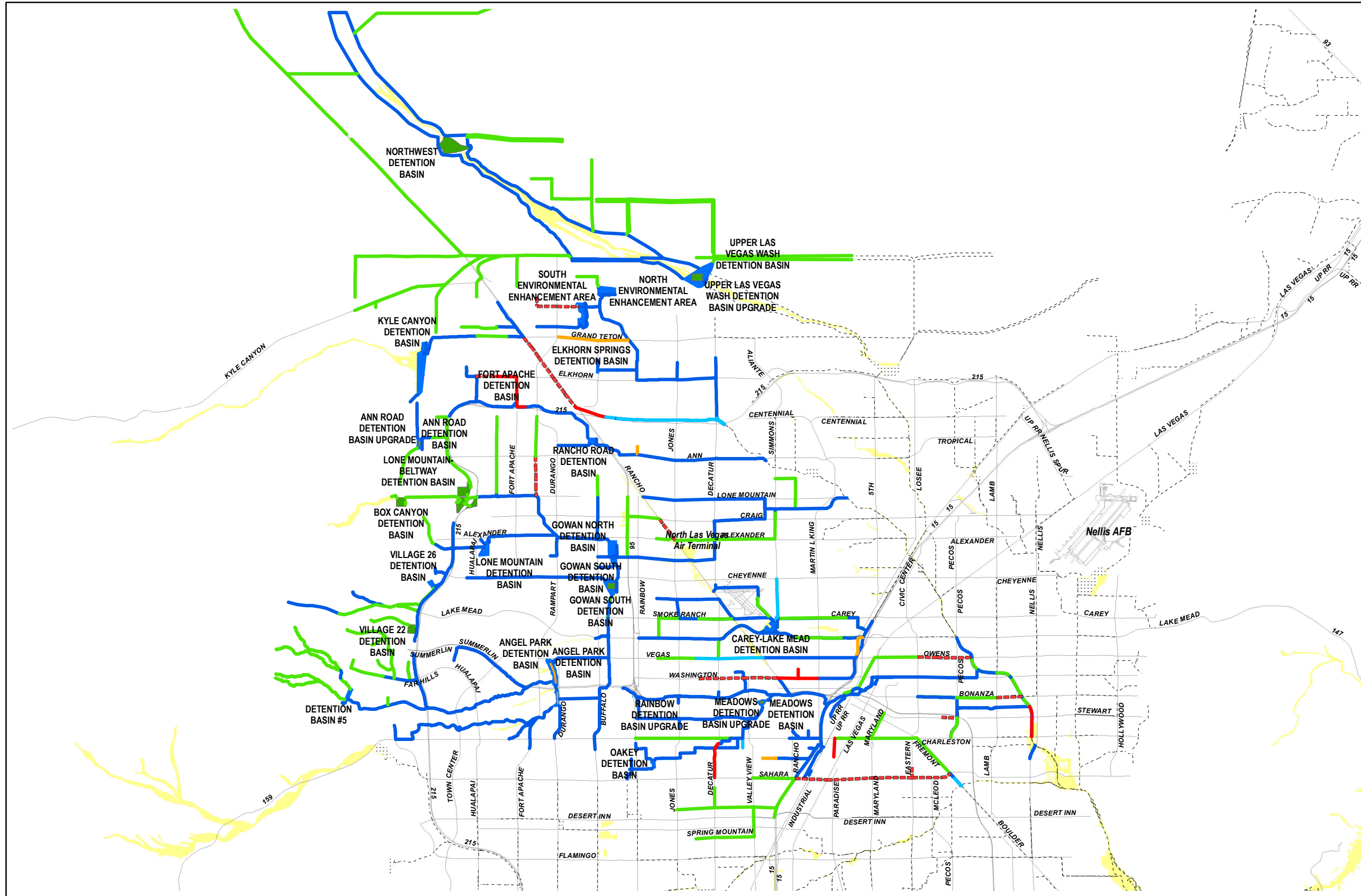
1 inch = 1.7 miles

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DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

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# TEN-YEAR CONSTRUCTION PROGRAM GOWAN, CENTRAL AND UPPER NORTH BASINS PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- - - Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 2.57 miles

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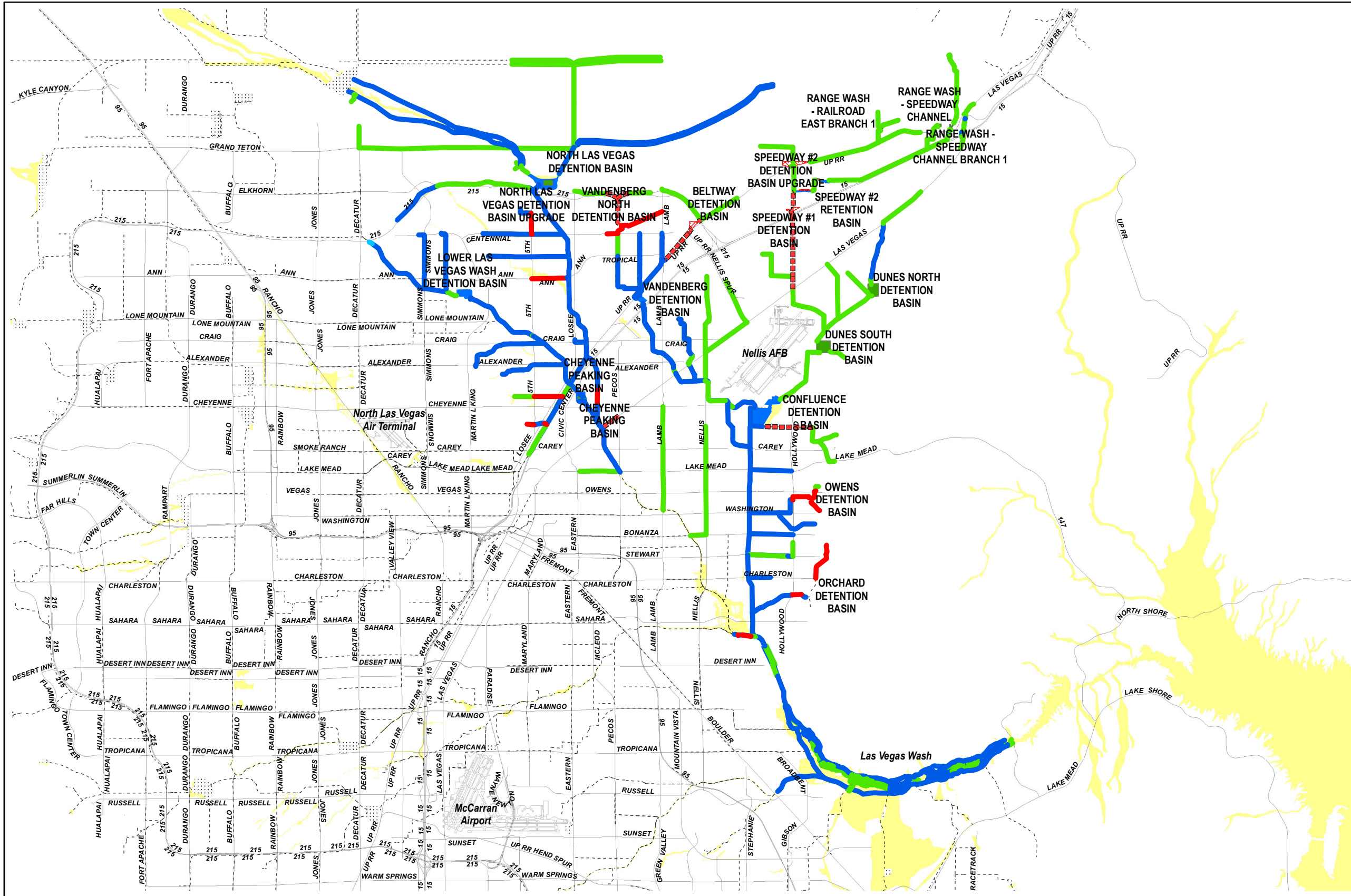
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
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May, 2012



# TEN-YEAR CONSTRUCTION PROGRAM LOWER NORTH, RANGE, AND LOWER LAS VEGAS WASH BASINS PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone

  
 1 inch = 2.37 miles

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

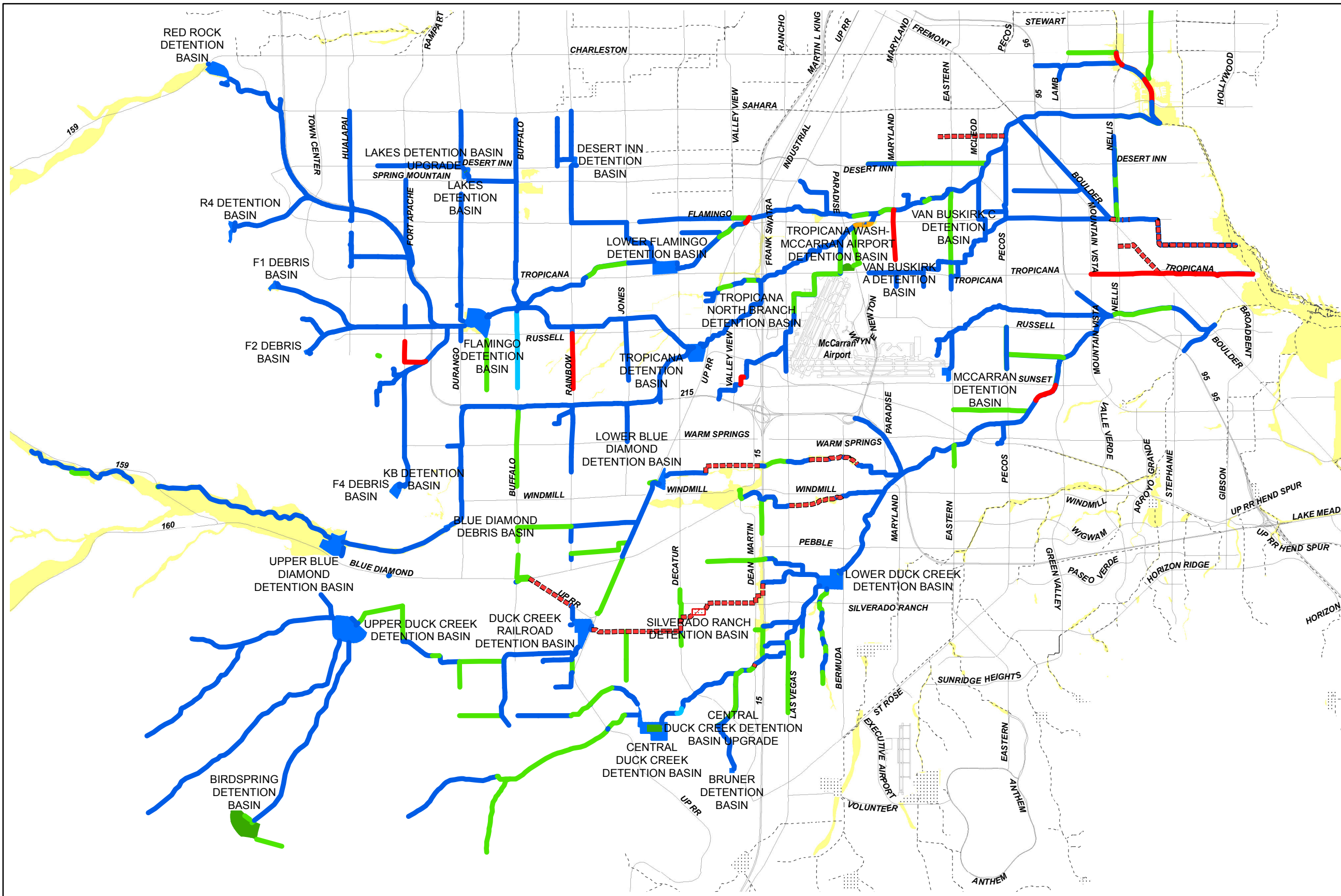
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
FEMA 2002 DIGITAL FIRM. NOT THE EFFECTIVE FIRM. ALL INFORMATION IS SUBJECT TO CHANGE. NO LIABILITY IS ASSUMED FOR THE ACCURACY OF THE DATA DELINEATED HEREON. ALL INQUIRIES INTO THE STATUS OF CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT FACILITIES SHOULD BE MADE TO THE DISTRICT OFFICE AT 600 S. GRAND CENTRAL PKWY., SUITE 300, LAS VEGAS, NEVADA 89106-4511.

May, 2012



# TEN-YEAR CONSTRUCTION PROGRAM FLAMINGO, TROPICANA, DUCK CREEK, AND BLUE DIAMOND PLANNING AREA



**LEGEND**

**Conveyances STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 1.82 miles

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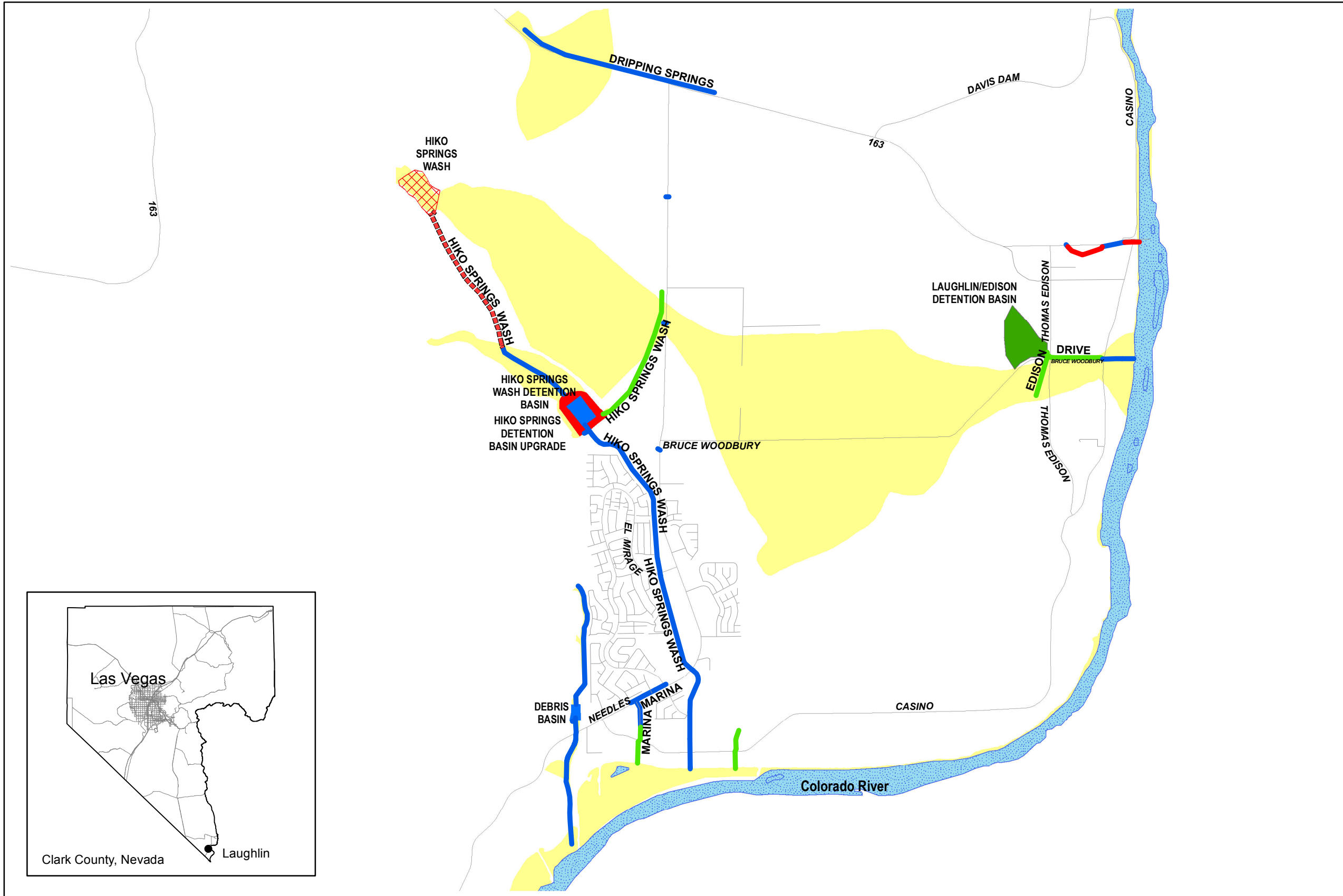
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
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May, 2012



# TEN-YEAR CONSTRUCTION PROGRAM LAUGHLIN PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 0.7 miles

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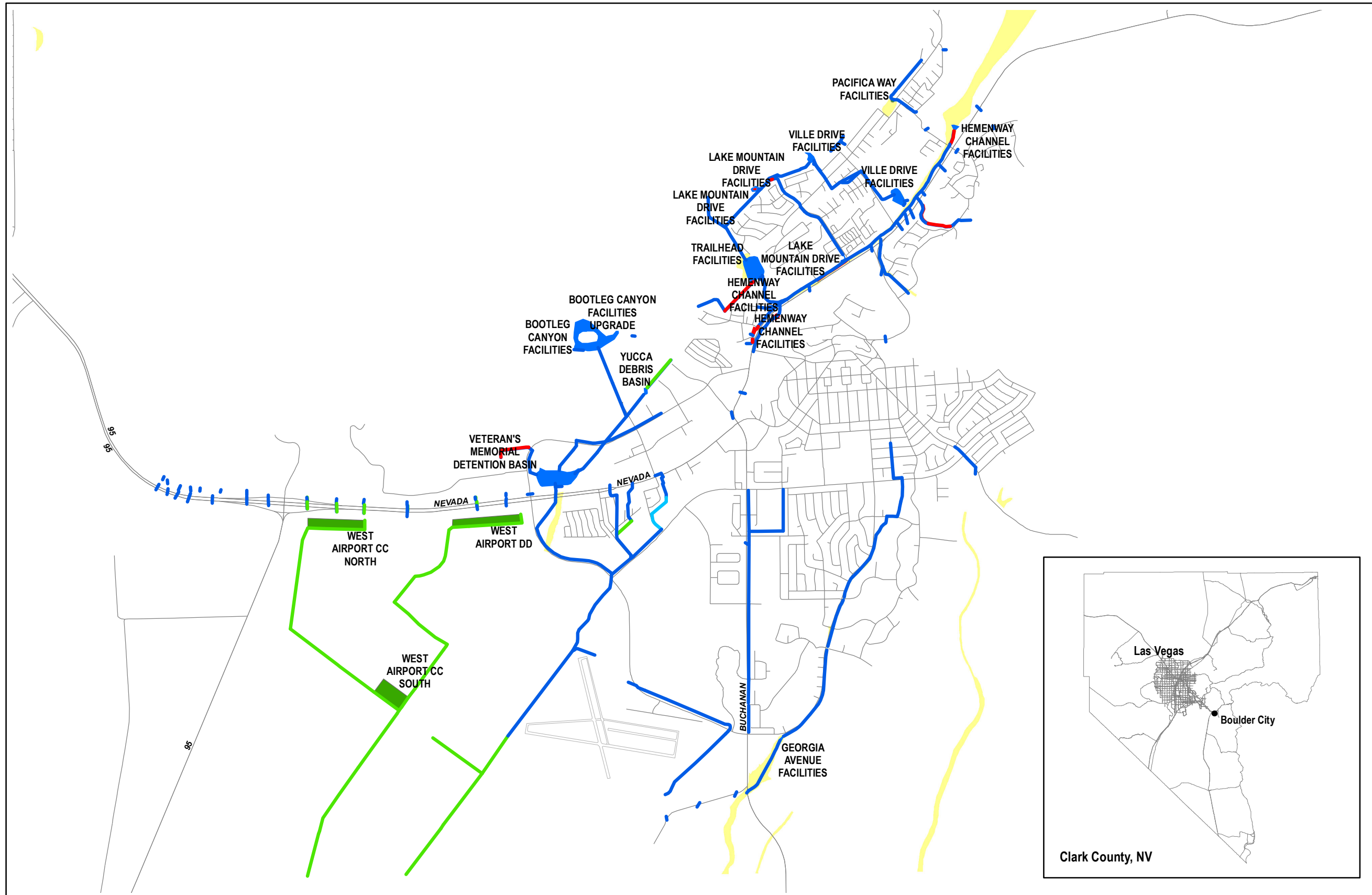
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
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May, 2012



# TEN-YEAR CONSTRUCTION PROGRAM BOULDER CITY PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- - - Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



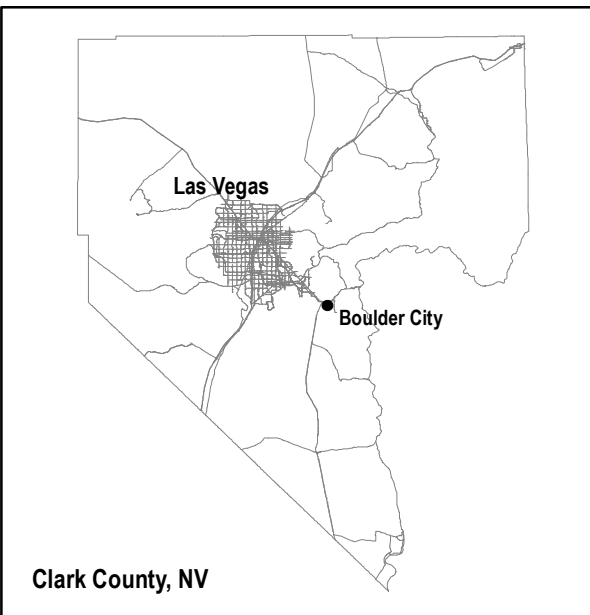
1 inch = 0.6 miles

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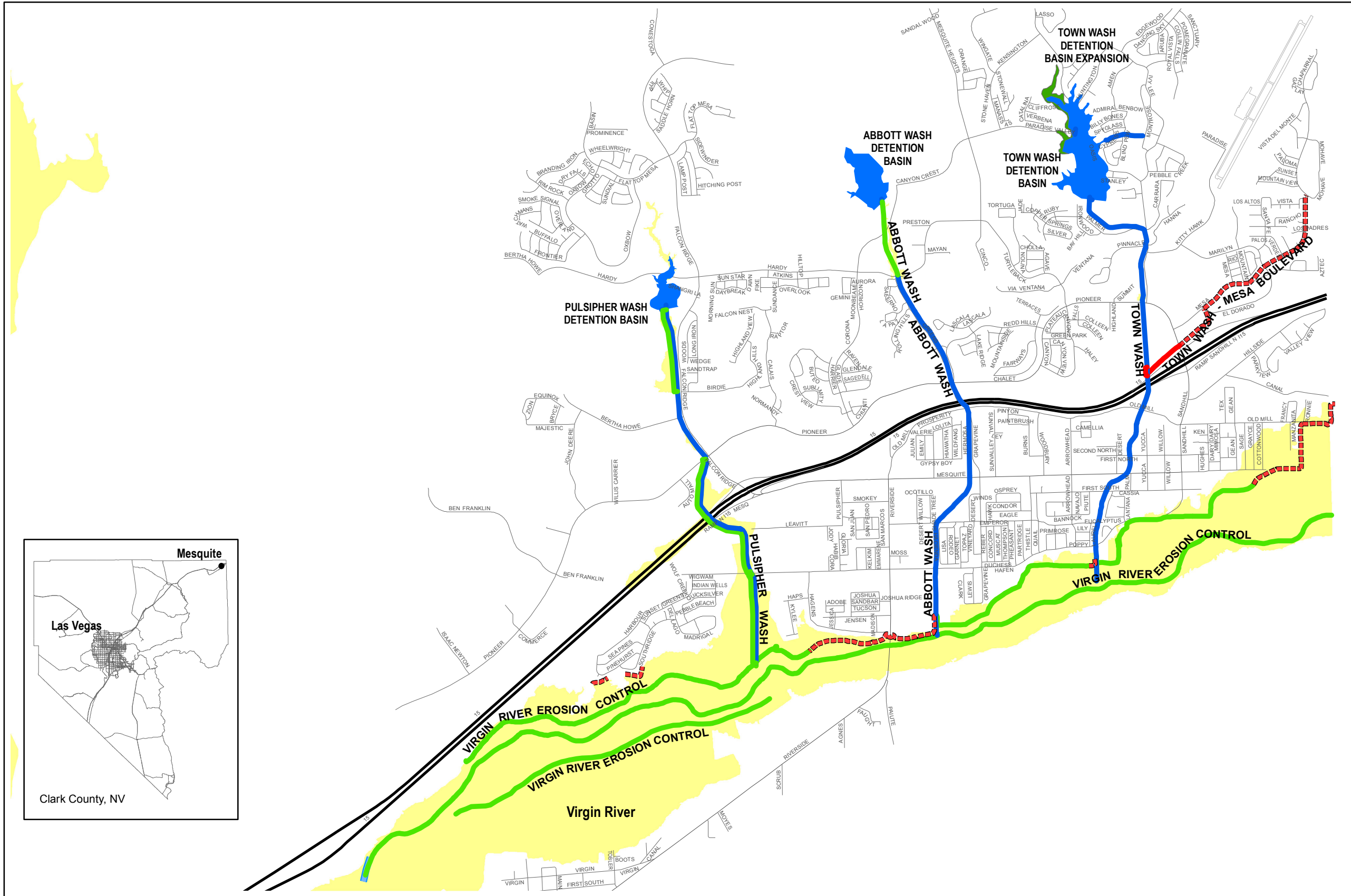
DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
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May, 2012



# TEN-YEAR CONSTRUCTION PROGRAM MESQUITE PLANNING AREA



**LEGEND**

**Conveyances**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**Detention Basins**

**STATUS**

- Completed
- Under Construction
- EFS
- Proposed
- Ten Year - 1st Five
- Ten Year - 2nd Five

**100 Year Flood Zones**

- 100-Year Flood Zone



1 inch = 0.6 miles

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DATA SOURCES:  
CLARK COUNTY REGIONAL FLOOD CONTROL DISTRICT  
CLARK COUNTY GISMO  
FEMA

FLOOD INSURANCE (FIRM) INFORMATION:  
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May, 2012

