

## Projects Under Construction & About to Start Construction

As of Summer 2013

6 projects under construction \$54.3 million

15 about to start construction totaling approximately \$76 million

*Construction Cost include construction and construction management*

**21 Total Projects Currently Funded for Construction for \$130.6 million**

▲ *Currently under construction*

### Clark County

#### Muddy River, Cooper Street Bridge

The project includes a bridge at Cooper Street and concrete and riprap lined channels upstream and downstream from the bridge. The bridge and channel will have the capacity to convey the 100-year design flow of 21,400 cfs.

**Estimated Construction Cost:** \$11.9 million

**Estimated Start Date:** October 2013

**Estimated Completion Date:** October 2014

#### Tropicana Wash at Swenson Street ▲

The project includes nearly 2,100 feet of facilities along the Tropicana Wash between Palos Verdes Street and Flamingo Road. The facilities include an 80 foot wide rectangular concrete channel, five 14 foot by 5 foot reinforced concrete boxes and two 16.5 foot by 5 foot precast reinforced concrete boxes.

**Estimated Construction Cost:** \$7.7 million (RFCD share)

**Estimated Start Date:** June 2013

**Estimated Completion Date:** March 2014

#### Carey Avenue Storm Drain ▲

This local drainage project includes approximately 2,200 feet of storm drain ranging in size from 48-inch diameter pipe to 6 feet wide by 3 feet high reinforced concrete box.

**Construction Cost:** \$1.4 million (RFCD share)

**Estimated Completion Date:** July 2013

#### Orchard Detention Basin

The project includes a 160 acre-foot detention basin, outlet facilities and collection facilities extending to the north and south of the basin. The Orchard Detention Basin will receive runoff from approximately 1.79 square miles of watershed.

**Estimated Construction Cost:** \$7 million

**Estimated Start Date:** November 2013

**Estimated Completion Date:** November 2014



**Flamingo Diversion – Rainbow Branch**

This project consists of approximately 1 mile of reinforced concrete box ranging in size up to 12 feet wide by 6 feet high.

**Estimated Construction Cost:** \$8.8 million

**Estimated Start Date:** December 2013

**Estimated Completion Date:** December 2014

**Washington/Hollywood Storm Drain**

This local drainage project consists of approximately 400 feet of 24 inch diameter storm drain and a drop inlet at the intersection of Washington and Hollywood.

**Estimated Construction Cost:** \$265,000

**Estimated Start Date:** January 2014

**Estimated Completion Date:** August 2014

**City of Las Vegas**

**Ann Road Channel West – Rainbow Boulevard**

The improvements include construction of approximately 2,300 feet of reinforced concrete box culvert ranging in size up to 11 feet wide by 5 feet high.

**Estimated Construction Cost:** \$4.7 million

**Estimated Start Date:** November 2013

**Estimated Completion Date:** November 2014

**Las Vegas Wash – Grand Teton, Mountain Spa to Durango Drive**

The improvements include construction of approximately 1.8 miles of reinforced concrete box ranging in size up to 18 feet wide by 5 feet high within Grand Teton from Mountain Spa to Durango Drive.

**Estimated Construction Cost:** \$15.8 million

**Estimated Start Date:** December 2013

**Estimated Completion Date:** December 2014

**Angel Park North – Detention Basin**

The project includes increasing the existing detention basin volume from 1,400 acre-feet to 1,629 acre-feet, adding spillway capacity and installing water quality features.

**Estimated Construction Cost:** \$8.3 million

**Estimated Start Date:** November 2013

**Estimated Completion Date:** November 2014

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

The improvements include construction of approximately 1.7 miles of 72 inch diameter reinforced concrete pipe and 7 foot wide by 5 foot high reinforced concrete box. These facilities will be constructed in Vegas Drive from Rancho Road to Shadow Mountain Place.

**Construction Cost:** \$11.2 million (RFCD Share)

**Estimated Completion Date:** July 2014

**Concord Street Storm Drain Improvements**

This local drainage project consists a 36-inch diameter storm drain and drop inlets along Concord Street.

**Construction Cost:** \$431,000 (RFCD share)

**Estimated Start Date:** April 2014

**Estimated Completion Date:** December 2014



### **Centennial Parkway Channel**

This project consists of construction of approximately 785 feet of 22 foot wide by 7 foot high reinforced concrete box culvert crossing US-95, north of I-215.

**Estimated Construction Cost:** \$3 million (RFCD Share)

**Estimated Start Date:** December 2013

**Estimated Completion Date:** December 2014

### **City of Boulder City**

#### **North Railroad Conveyance** ▲

The improvements consist of approximately 4,150 feet of concrete channel, two box culverts crossings and associated facilities.

**Construction Cost:** \$3.3 million

**Estimated Completion Date:** July 2013

#### **Bootleg Canyon Facilities Phase II** ▲

Phase two of this project consists of final grading in the detention basin and the spillway structure at Bootleg Canyon.

**Estimated Construction Cost:** \$1.1 million

**Estimated Start Date:** February 2013

**Estimated Completion Date:** December 2014

#### **Buchanan Improvements**

The improvements include construction of a soil cement channel, approximately 130 feet of 14 foot by 4 foot reinforced concrete box and approximately 720 feet of triple 12 foot by 10 foot reinforced concrete box to replace the existing crossings.

**Estimated Construction Cost:** \$3.7 million

**Estimated Start Date:** December 2013

**Estimated Completion Date:** December 2014

### **City of Henderson**

#### **Pittman Wash, UPRR to Santiago Phase II**

This project includes approximately 1,700 feet of underground culvert for Pittman Wash between the Union Pacific Railroad and Arroyo Grande.

**Estimated Construction Cost:** \$7 million

**Estimated Start Date:** November 2013

**Estimated Completion Date:** November 2014

#### **Pioneer Detention Basin Expansion and Inflow**

The proposed improvements include construction of channel lining upstream of the Pioneer Detention Basin and a water quality retrofit to the existing outlet structure.

**Estimated Construction Cost:** \$865,000

**Estimated Start Date:** November 2013

**Estimated Completion Date:** November 2014

#### **Equestrian Detention Basin Expansion**

The project includes increasing the detention basin volume from 409 acre-feet to 448 acre-feet. The project will also modify the existing spillway and add a water quality feature.

**Estimated Construction Cost:** \$948,000

**Estimated Start Date:** November 2013

**Estimated Completion Date:** July 2014



### **Equestrian Tributary Phase II**

The improvements include construction of approximately 830 feet of 12 foot by 4 foot reinforced concrete box, 1,100 feet of 7 foot by 6 foot reinforced concrete box and approximately 1,350 feet of 66 inch reinforced concrete pipe.

**Estimated Construction Cost:** \$6.6 million

**Estimated Start Date:** December 2013

**Estimated Completion Date:** December 2014

### **City of North Las Vegas**

#### **Freeway Channel – Owens to Miller Phase II ▲**

This project consists of approximately 3,100 feet of reinforced concrete box ranging in size from up to 10 feet wide by 8 feet high.

**Construction Cost:** \$6.6 million

**Estimated Completion Date:** August 2013

#### **Las Vegas Wash – Lake Mead to Las Vegas Boulevard ▲**

The project includes approximately 5700 feet of concrete rectangular channel with a new bridge at Lake Mead.

**Construction Cost:** \$24.1 million (RFCD share)

**Estimated Completion Date:** July 2013



**Projects Completed July 2012 to June 2013**  
**10 projects completed totaling approximately \$39.6 million**  
*Construction Costs include construction and construction management*

**Clark County**

**Annie Oakley Drive at Rawhide Channel Storm Drain**

This local drainage project included a field inlet at the southeast corner of the intersection and a 36 inch diameter reinforced concrete pipe to Rawhide Channel.

**Construction Cost:** \$98,000

**Completion Date:** January 2013

**Olive Street Storm Drain, US-95 to Palm St.**

This local drainage project consisted of approximately 2,540 feet of reinforced concrete box and pipe in Olive Street between US 95 and Palm Street. This storm drain connects to the existing Colorado Avenue System storm drain.

**Construction Cost:** \$818,000 (RFCD share)

**Completion Date:** March 2013

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

This project consists of 1.6 miles of reinforced concrete box and pipe in Buffalo Road from Sunset Road to the existing Flamingo Diversion Channel.

**Construction Cost:** \$7.6 million

**Estimated Completion Date:** June 2013

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

This project consists of approximately 2,300 feet of reinforced concrete box ranging in size up to double barrel 15 foot wide by 10 foot high.

**Construction Cost:** \$10.8 million

**Estimated Completion Date:** July 2013

**City of Las Vegas**

**Oakey Drain – Cahlan to Barnard**

This project included approximately 4,350 feet of reinforced concrete box and pipes, with associated lateral facilities, in Oakey Street extending from Cahlan Drive to Barnard Drive.

**Construction Cost:** \$5.5 million (RFCD share)

**Completion Date:** January 2013

**Oakey Meadows Storm Drain – Phase 2B**

This project includes construction of 2,000 ft of reinforced concrete box culvert ranging in size up to 7 feet wide by 6 feet high within Hinson Street from Charleston Blvd. to Del Rey Ave..

**Construction Cost:** \$1.8 million (RFCD Share)

**Completion Date:** June 2013



City of Henderson

**NV Energy Relocation Equestrian Tributary Phase I**

This project included the relocation of NV Energy lines and installation of reinforced concrete box (RCB) through the intersection of Equestrian Drive and Appaloosa Road.

**Construction Cost:** \$315,000

**Completion Date:** January 2013

**Pittman Wash, UPRR to Santiago Phase I**

The project included modification to the spillway for Pittman Park Peaking Basin and reconstruction of the outfall pipe.

**Construction Cost:** \$380,000 (RFCD Share)

**Completion Date:** March 2013

City of North Las Vegas

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

This project consisted of just over a mile of reinforced concrete box culvert in Simmons Street between Carey Avenue and Cheyenne Avenue

**Construction Cost:** \$5.4 million (RFCD share)

**Completion Date:** March 2013

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

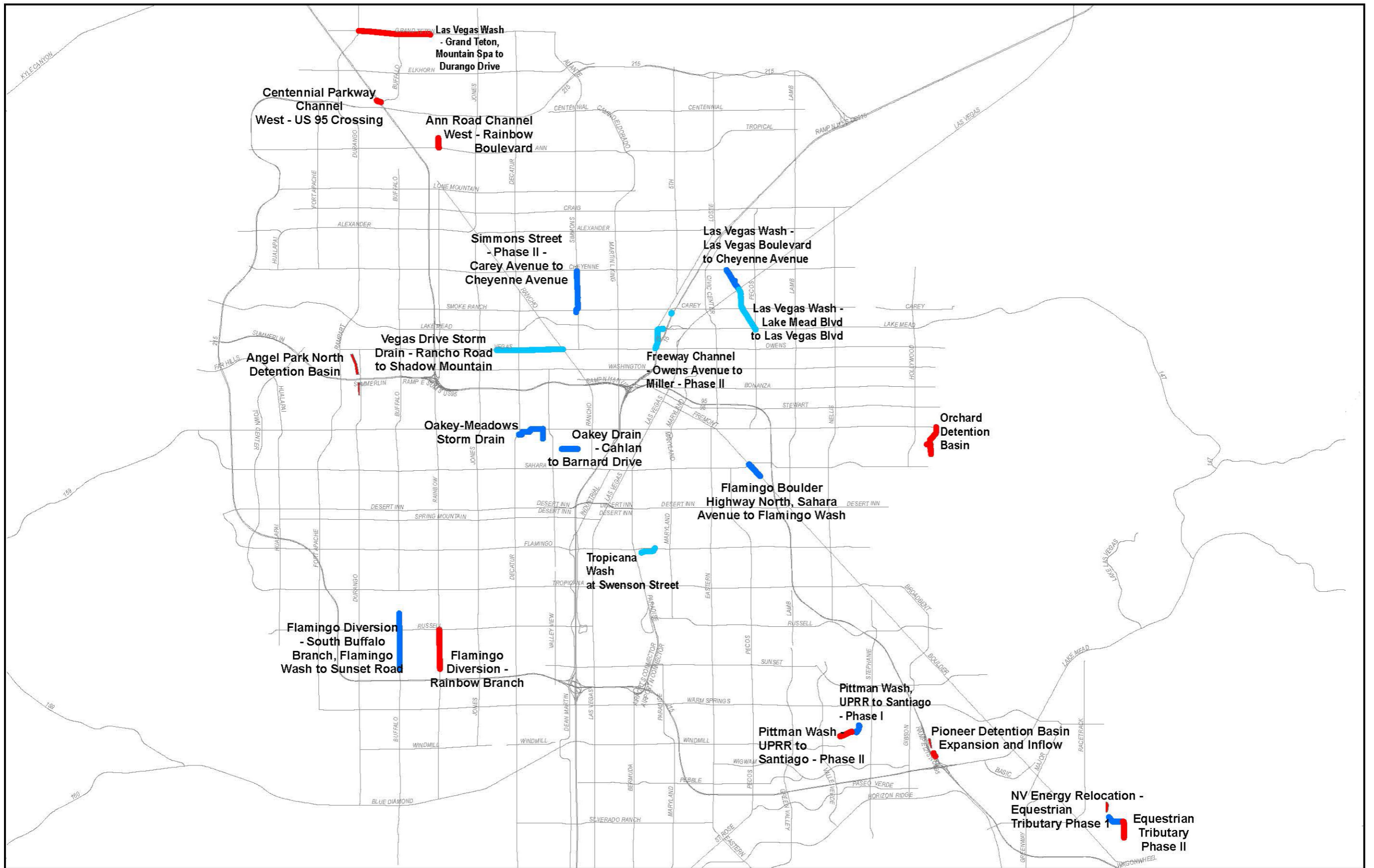
The project included construction of flood control facilities along the Las Vegas Wash between Las Vegas Boulevard and Cheyenne Ave, connecting to existing improvements at both locations. Facilities are designed to convey up to 8,065 cfs in a 100-year storm event.

Rectangular channel sizes range from 70 feet wide by 8 feet deep to 90 feet wide by 9.5 feet deep.

**Construction Cost:** \$6.9 million (RFCD share)

**Completion Date:** May 2013

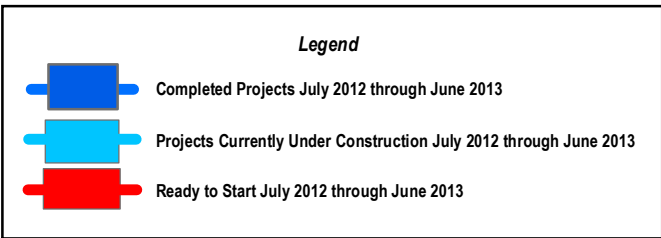
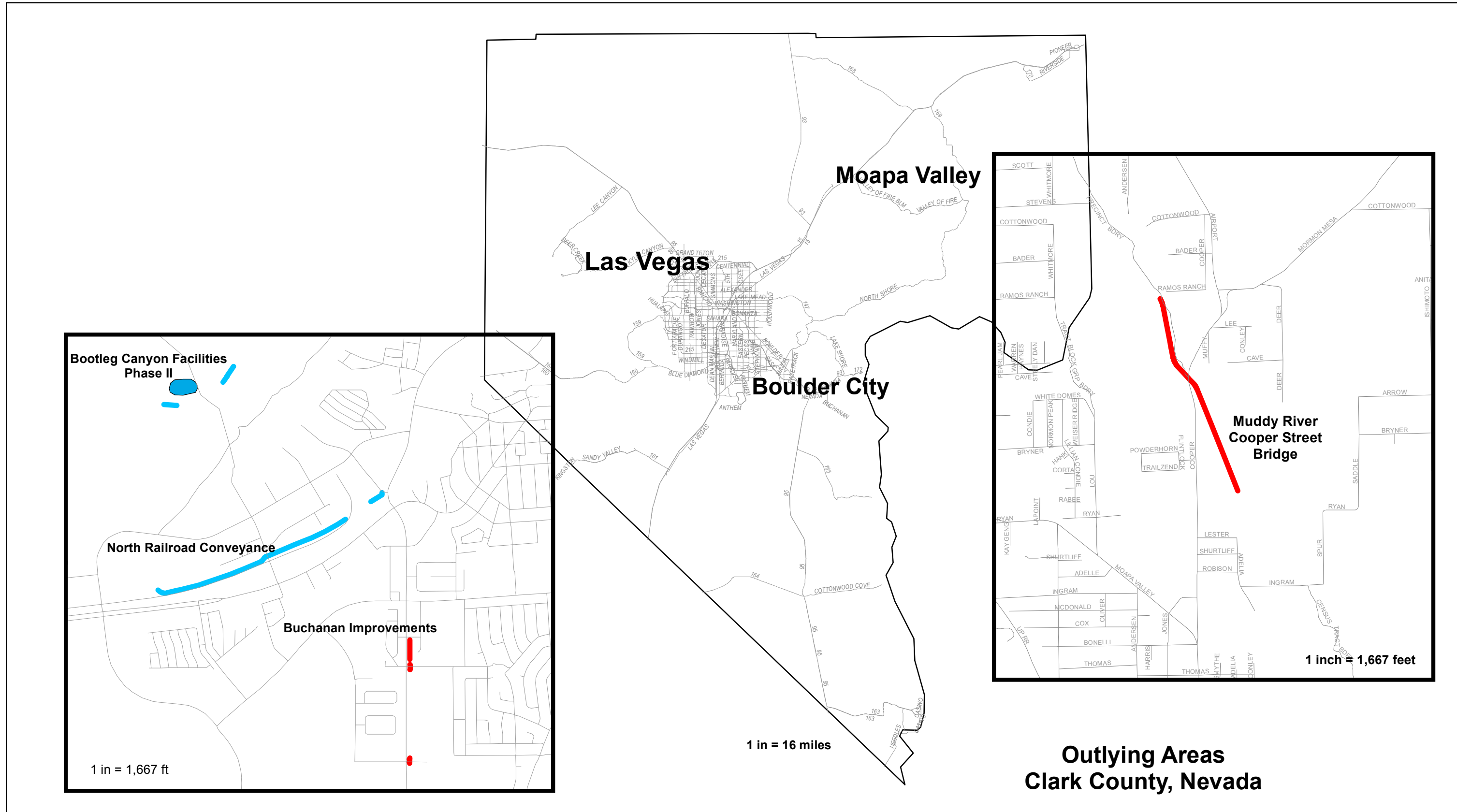




**Flood Control Projects Completed,  
Under Construction, or Ready for Construction  
July 2012 through June 2013  
Las Vegas Valley**

1 in = 2 miles  
June, 2013





**Flood Control Projects Completed,  
Under Construction, or Ready for Construction  
July 2012 through June 2013  
Outlying Areas**

June, 2013

