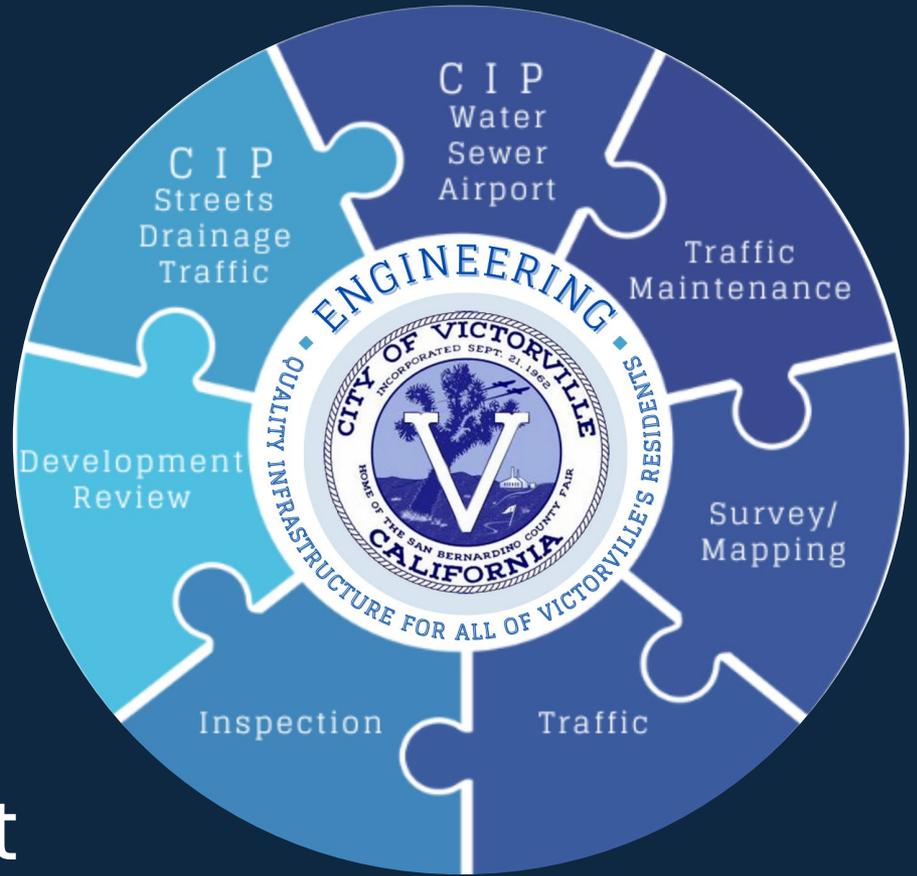


Attachment A  
Engineering FY 2024 Q4  
Quarterly Update



# City of Victorville Engineering Department

Q4 REPORT 2024

April 1, 2024 through June 30, 2024

As we wrap up the Fiscal Year 2023-24, I am extremely proud of the work that our Engineering Department has completed this past fiscal year. In addition to the project highlights that are forthcoming, here are some of our major accomplishments this past Fiscal Year:

- Completed the Bear Valley Road Bridge Widening over BNSF Tracks. The \$12M project widened both sides of the bridge on Bear Valley Road over the BNSF Railroad, provided additional turn pockets from Bear Valley Road to Ridgecrest Road, replaced traffic signal poles to accommodate the widened road, constructed sidewalk and adequate pavement width for future bike lanes to cross over the bridge, and repaved a significant portion of Bear Valley Road.
- Completed the installation of a new traffic signal at Village Drive and Tawney Ridge Lane.
- Rehabilitated 22,000 Linear Feet (LF) of sewer mains and replaced 11,000 LF of aging, leak-prone, fire flow deficient, small diameter pipelines within Old Town Victorville.
- Closed out eight residential housing tracts that were left partially completed by the Great Recession of 2008.

As we look to the future, we will continue to work on our aggressive Capital Improvement Program that includes

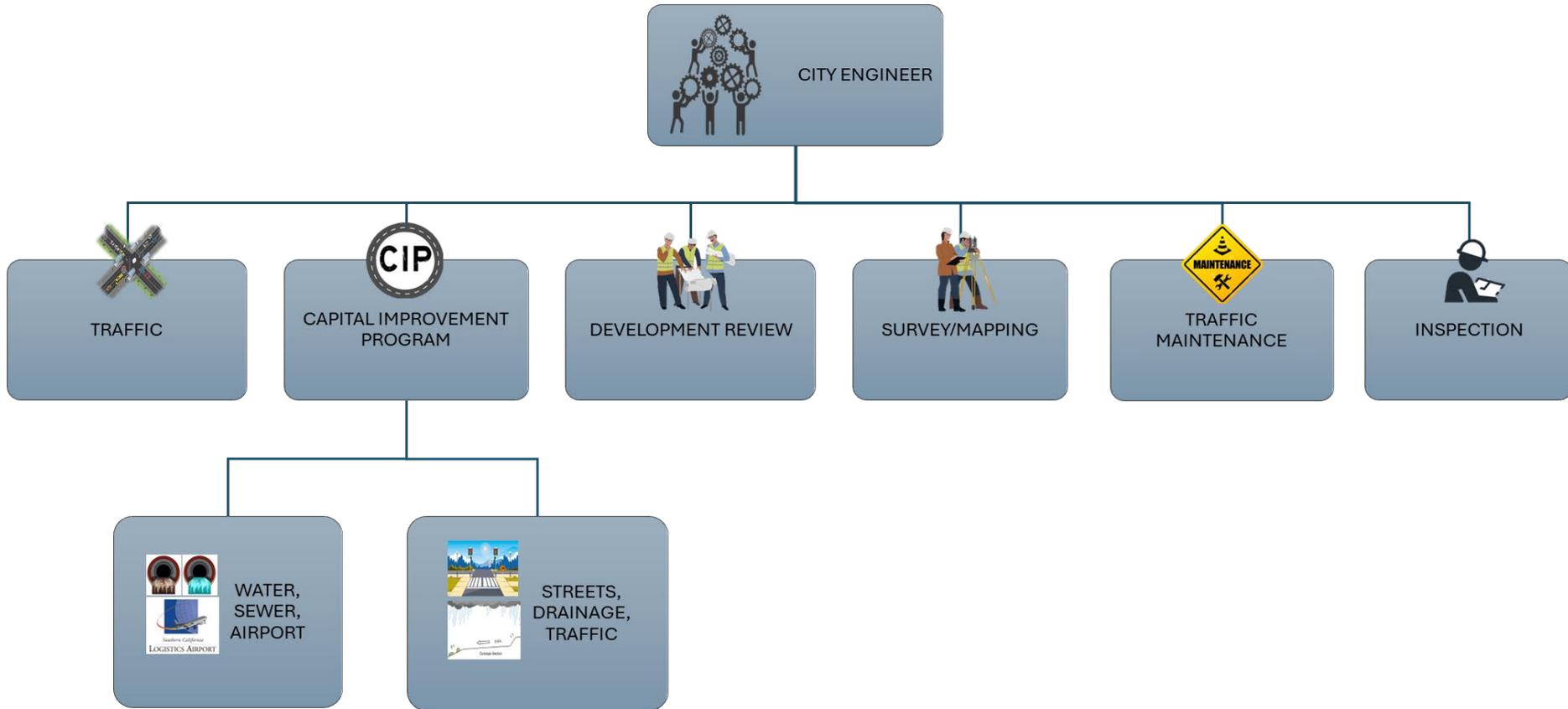
the construction of a new signal at Village Drive and Puesta del Sol, five traffic signal modifications on 7th Street, additional street lighting improvements in Old Town Victorville, replacing over 600 water services, new water and sewer main capacity improvements, a one-million recycled water tank at SCLA, multiple sidewalk projects to improve accessibility, and four street improvement projects on Mojave Drive, Roy Rogers Drive, Ridgecrest Road, and Bear Valley Road. In looking towards the future, our Department is in great hands.



We have a great young core of engineers that are not only learning the Victorville way of designing and managing projects but delivering projects each and every day. We will continue to invest and mentor our young core so that we can ensure the future of our department. This group includes two PE's and four EITs, and it gives me great pleasure to state that without a doubt our future is indeed very bright.

Fredy A. Bonilla, PE  
City Engineer

# ORGANIZATIONAL STRUCTURE





# Project Updates



**CAPITAL IMPROVEMENT PROJECTS**

**CONSTRUCTION**

**COMPLETED**

# Bear Valley Road Bridge Widening over BNSF Tracks

- 🚧 Contractor: Riverside Construction
- 🚧 Construction Cost: \$11,999,134.84
- 🚧 Construction Completed: January 17, 2024
- 🚧 Council Acceptance: June 18, 2024



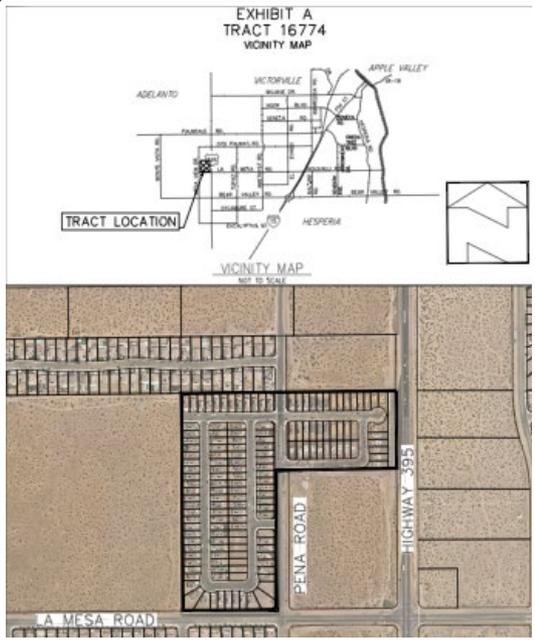
# Keurig DrPepper Improvements

- 🚧 Developer: Keurig DrPepper
- 🚧 Work Completed: Pavement widening, curb & gutter, sidewalk and landscaping improvements on Momentum Road and sidewalk and landscaping improvements on Gateway Drive.
- 🚧 Construction Completed: June 2024



# Tract 16774 Street Improvements

- Developer: Frontier Communities
- Tract 16774: 150 Single Family Residential Units
- Work Completed: New Class 1 Bike Lane on La Mesa Road with Landscaping & Irrigation Improvements, Reconstruction of Peña Road with Landscaping & Irrigation Improvements.
- Construction Completed: April 2024

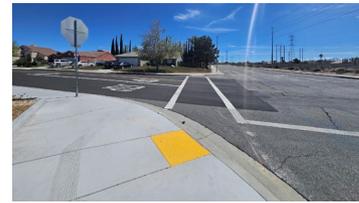


# Tract 14741 Street Improvements

- 🚧 Developer: K. Hovanian Homes
- 🚧 Tract 14741: 159 Single Family Residential Units
- 🚧 Work Completed: Glass paving of interior street including Luna and Topaz Roads.
- 🚧 Construction Completed: June 2024



FICUS / DAWN RIDGE



DAWN RIDGE / EVASTON



CAPITAL IMPROVEMENT PROJECTS

**CONSTRUCTION**

**IN PROGRESS**



# Bear Valley Road Reconstruction Project

- 🚧 This project will reconstruct Bear Valley Road from Amethyst Road to Hwy 395.
- 🚧 Contractor: C.A. Rasmussen
- 🚧 Contract Amount: \$8,944,073
- 🚧 Contract Award: October 17, 2023
- 🚧 Start of Construction: March 18, 2024
- 🚧 Estimated Construction Completion: July 2024



# Traffic Signal Installation at Mojave Drive/Condor Road

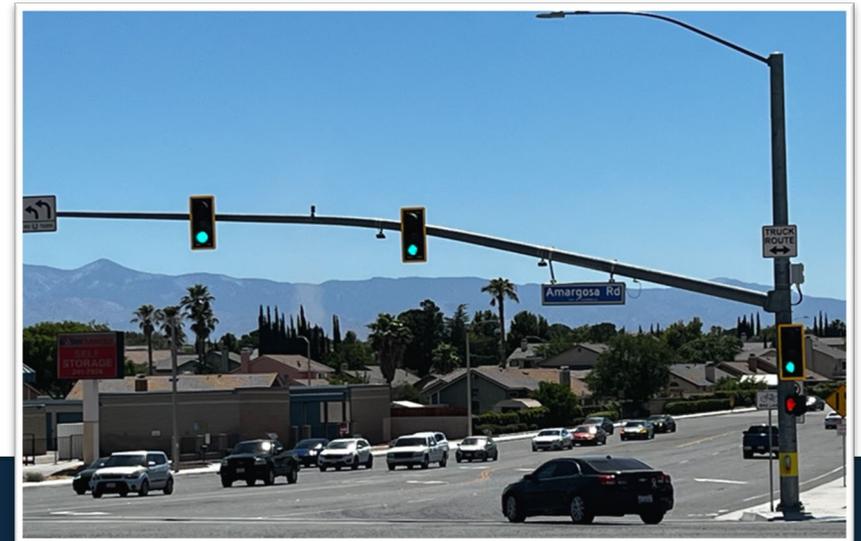
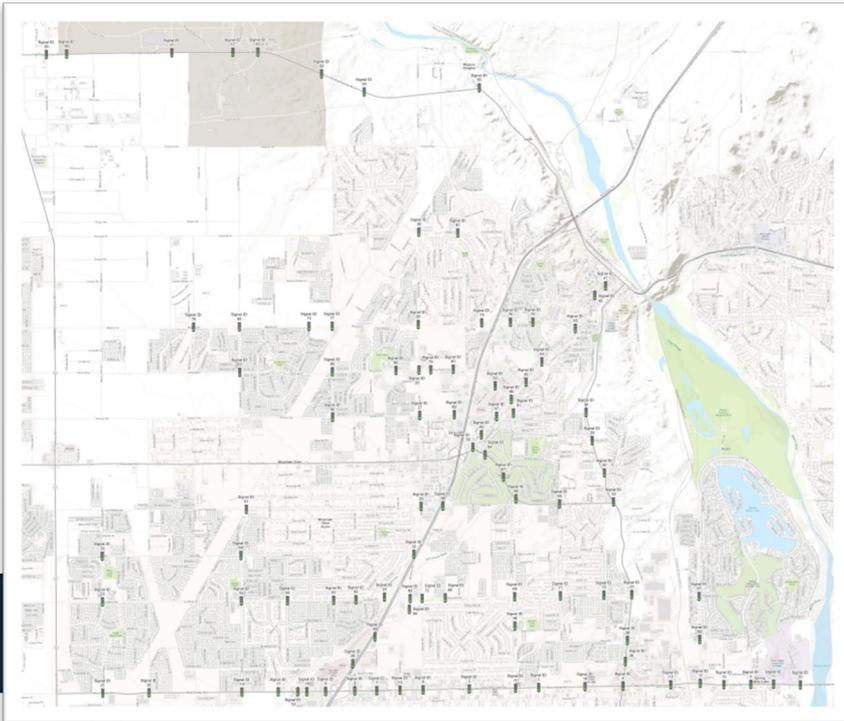
- 🚧 This project will install a traffic signal at the intersection of Mojave Dr. and Condor Rd.
- 🚧 Contractor: Belco Elecnor
- 🚧 Contract Amount: \$795,622
- 🚧 Contract Award: September 5, 2023
- 🚧 Start of Construction: May 13, 2024
- 🚧 Estimated Construction Completion: August 2024



# Installation of Retroreflective Tape

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- 🚧 This project will install retroreflective border around 96 traffic signal backplates to improve safety.
- 🚧 Completed to Date: 9 out of 96
- 🚧 Estimated Construction Completion: Summer 2025



# 3<sup>rd</sup> Avenue Extension to Bear Valley Road Road Project

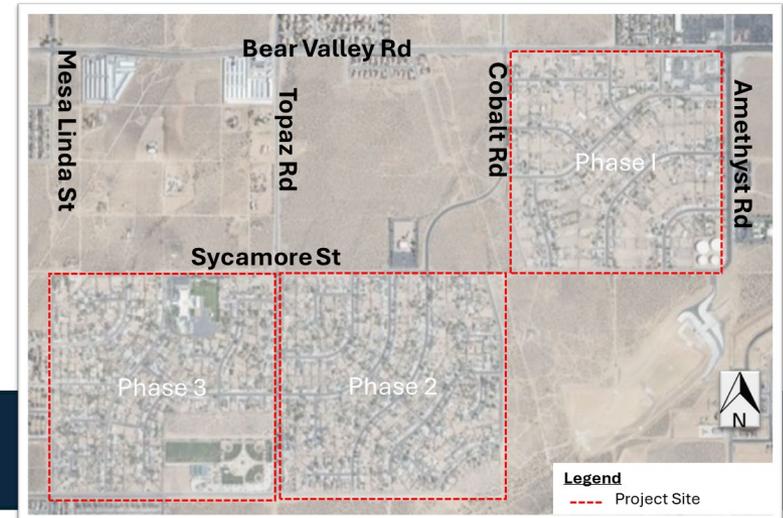
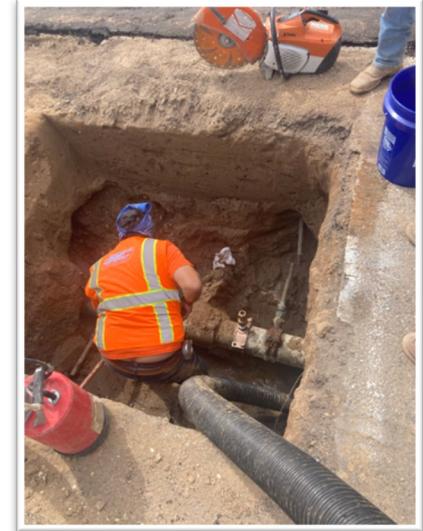
- 🚧 This project will extend 3rd Avenue from the existing end to Bear Valley Road. Project also includes the installation of a new traffic signal at the Bear Valley Road/3rd Avenue Intersection. The extension of 3rd Avenue will now fully connect Bear Valley Road to Green Tree Boulevard.
- 🚧 Improvement to be fully funded by a private developer
- 🚧 Estimated Completion Date: August 2024





# Water Service Replacement Project Area 6 – Golden Triangle Area

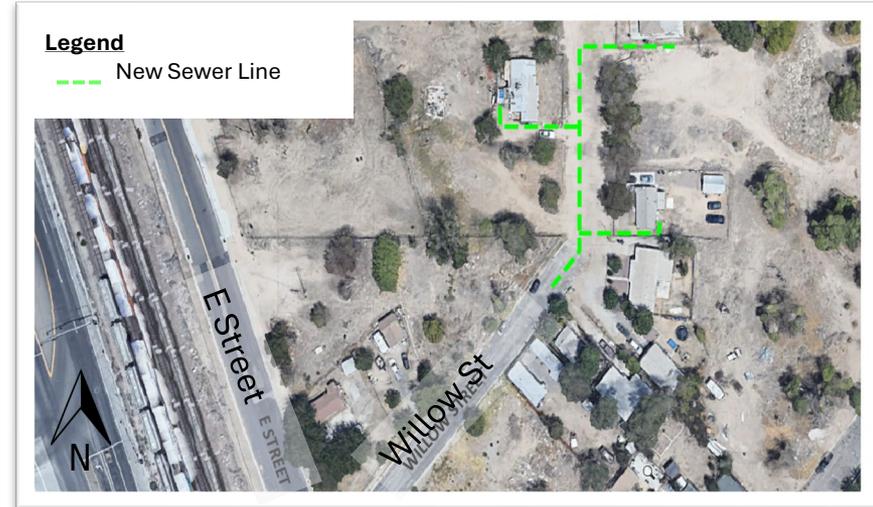
- 🚧 This project will replace 638, 40-year old PVC water service lines with copper piping.
- 🚧 Contractor: Christensen Brothers General Engineering Inc.
- 🚧 Contract Amount: \$2,631,405
- 🚧 Contract Award: October 17, 2023
- 🚧 Start of Construction: April 15, 2024
- 🚧 Estimated Construction Completion: Fall 2024
  - 🚧 Phase I – Completed June 14, 2024
  - 🚧 Phase II – 50% Complete



# Old Town Septic to Sewer Conversion Project (SEP Program)

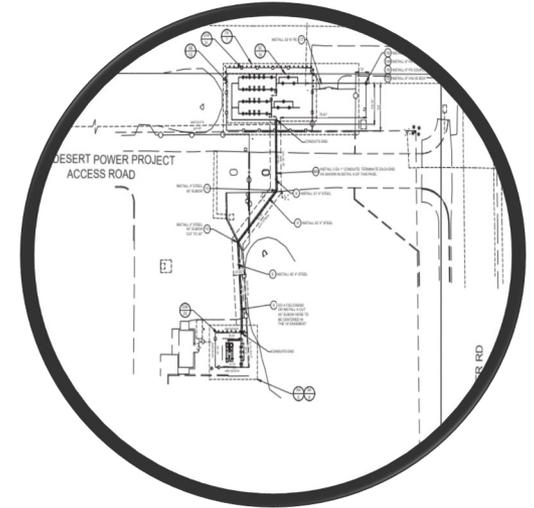
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- 🚧 This project will connect three residences in Old Town Victorville to the municipal sewer system to prevent environmental degradation of groundwater. The new sewer connection also includes a lift station.
- 🚧 Contractor: Kerns, Inc.
- 🚧 Contract Amount: \$724,223
- 🚧 Contract Award: April 16, 2024
- 🚧 Start of Construction: June 24, 2024
- 🚧 Estimated Construction Completion: Fall 2024



# VMUS - Kern River Gas Interconnect Project

- 🚧 This project will provide a new interconnect directly to Kern River Gas Transmission Company which will result in increased capacity and optimum pressures at a lower cost supporting SCLA's ultimate natural gas demands.
- 🚧 Contractor: Arizona Pipeline
- 🚧 Construction Estimate: \$709,025
- 🚧 Contract Awarded: May 7, 2024
- 🚧 Start of Construction: June 17, 2024
- 🚧 Estimated Construction Completion: Fall 2024



**Kern River**  
GAS TRANSMISSION COMPANY  
A BERKSHIRE HATHAWAY ENERGY COMPANY



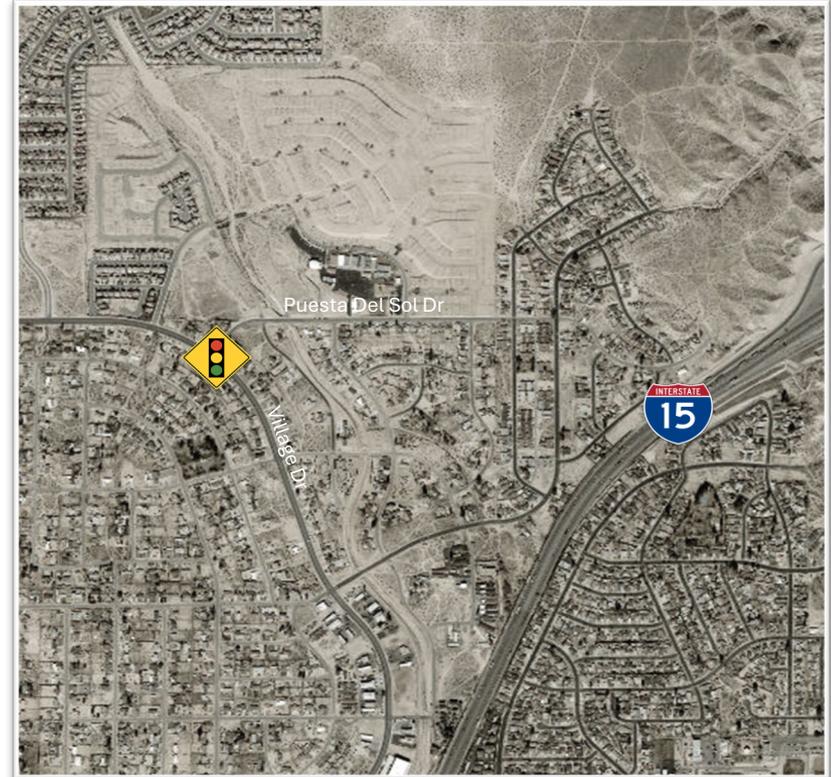
**CAPITAL IMPROVEMENT PROJECTS**

**UPCOMING  
CONSTRUCTION  
PROJECTS**

# New Traffic Signal at Village Drive and Puesta Del Sol Project

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- 🚧 This project will install a traffic signal at the Village/Puesta Del Sol Intersection.
- 🚧 Contractor: Belco Elecnor
- 🚧 Contract Amount: \$1,120,480
- 🚧 HSIP Grant Amount: \$526,500
- 🚧 Contract Award: March 19, 2024
- 🚧 Estimated Start of Construction: July 2024
- 🚧 Estimated Construction Completion: Spring 2025



# 7<sup>th</sup> Street Traffic Signal Modifications Project

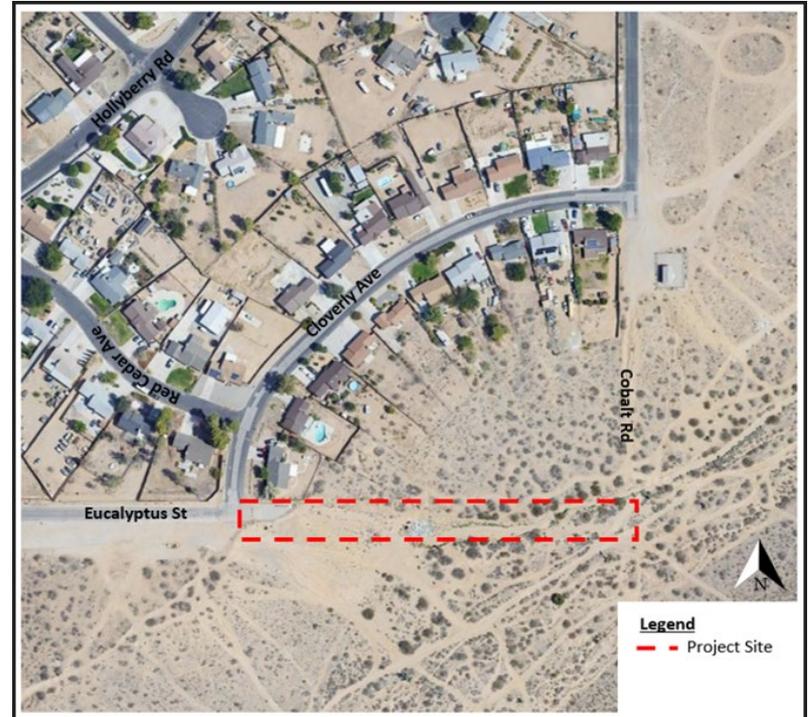
- 🚧 This project will increase safety by replacing outdated traffic signal equipment, improving detection, accessibility, and lighting.
- 🚧 Contractor: Belco Elecnor
- 🚧 Contract Amount: \$2,876,393
- 🚧 HSIP Grant Amount: \$1,320,000
- 🚧 Contract Award: March 19, 2024
- 🚧 Estimated Start of Construction: July 2024
- 🚧 Estimated Construction Completion: Spring 2025



# Eucalyptus Street Infrastructure Restoration Project

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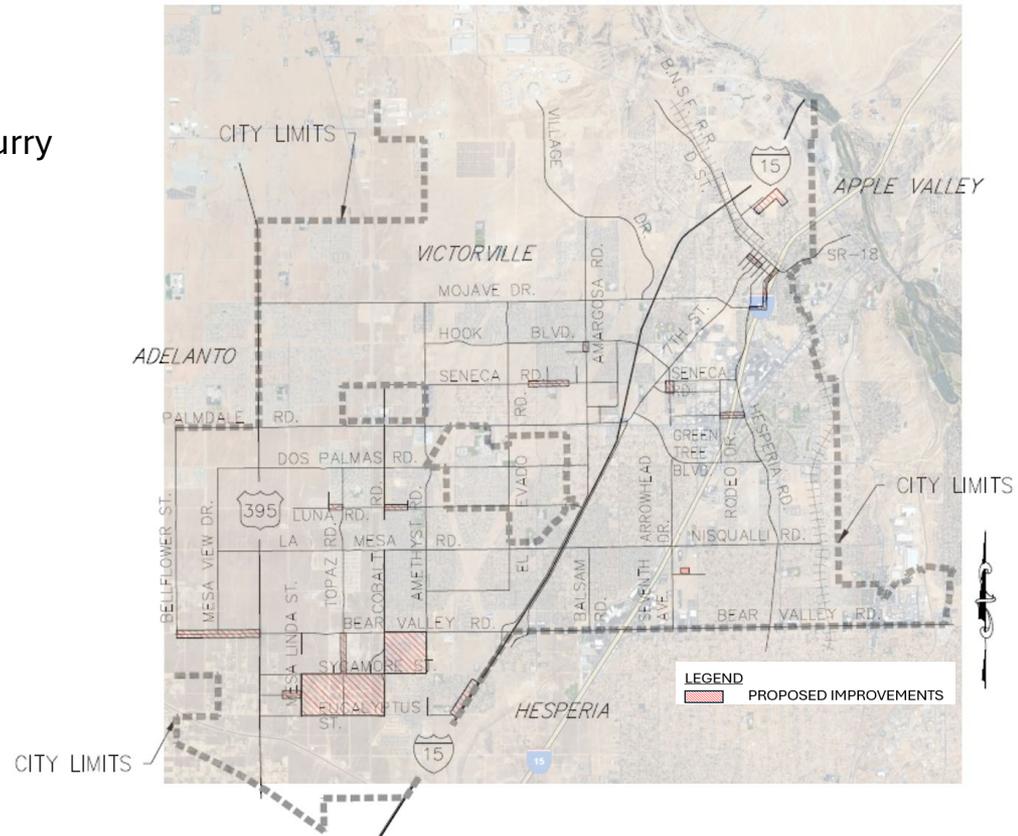
- 🚧 This project will relocate a potable water line and repair an existing RCP storm drain.
- 🚧 Open Bid Date: July 11, 2024
- 🚧 Estimated Start of Construction: Fall 2024
- 🚧 Estimated Completion Date: Spring 2025



Mojave Drive

# Citywide Pavement Preservation and Maintenance Project

- 🚧 This project will include micro-surfacing and slurry seal treatment for 14 miles of City streets and 2 City Park parking lots.
- 🚧 Open Bid Date: July 30, 2024
- 🚧 Estimated Start of Construction: Fall 2024
- 🚧 Estimated Completion Date: Spring 2025



**Mojave Drive**

# Mojave/Village Drive Pipeline Repair Project

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- 🚧 This project will re-route an existing leaking potable water line currently located under the sidewalk by the north-east corner of Mojave and Village Drive.
- 🚧 Contractor: Kelley's Underground Inc.
- 🚧 Contract Award: June 4, 2024
- 🚧 Contract Amount: \$159,197
- 🚧 Estimated Start of Construction: July 2024
- 🚧 Estimated Completion Date: Fall 2024



Mojave Drive



CAPITAL IMPROVEMENT PROJECTS

# PROJECTS IN DESIGN PHASE



PROJECTS IN DESIGN PHASE	ESTIMATED CONSTRUCTION START DATE
1MG Recycled Water Storage Tank Project	FY 2024/2025
Sewer Capacity Improvement Project C2&C3	FY 2024/2025
Pipeline Replacement Project – Area 7	FY 2024/2025
Solitude Circle Pavement Repair Project	FY 2024/2025
Block Wall Project –El Evado Arsenic Treatment Plant	FY 2024/2025
Block Wall Project - La Mesa Arsenic Treatment Plant	FY 2024/2025
Block Wall Project - VWD Well Site 203	FY 2024/2025
Pipeline Replacement Project – Area 28	FY 2025/2026
Pipeline Replacement Project – Area 6	FY 2025/2026
Santa Fe Wash Sewer Relocation Project	FY 2026/2027
Pipeline Replacement Project – Area 5	FY 2026/2027
Doris Davies Park Oro Grande Channel Repair	FY 2024/2025
Rectangular Rapid Flashing Beacons	FY 2024/2025
Old Town Sidewalk Project – Phase II	FY 2024/2025
Village Drive Sidewalk Project	FY 2024/2025
La Paz Drive from I-15 NB ramp to 7th Street	FY 2025/2026
Bear Valley Road Street Improvements from Bellflower to Montevista Rd	FY 2025/2026
Ridgecrest Street Improvements from BVR to Pahute Ave	FY 2026/2027
Mojave Drive Street Improvement Project from Amargosa to Condor Rd	FY 2027/2028

# FUNDING OPPORTUNITIES

## GRANT APPLICATIONS SUBMITTED

Project	Requested Amount	Award Decision Made by	Grant Program
Active Transportation Plan	\$ 350,000	December 2024	ATP
La Paz Drive Street Improvements from 7th Street to I-15	\$ 628,000	December 2024	ATP
Ridgecrest Street Improvements from BVR to Pahute	\$ 753,000	December 2024	ATP
Mojave Drive Street Improvements from Amargosa to Condor Road.	\$ 3,200,000	December 2024	ATP

## FUTURE TARGETED GRANT APPLICATIONS

Grant Program	APPLICATION DEADLINE
HSIP	September 2024
SS4A - LSRP	August 2024

ATP: Active Transportation Grant Program

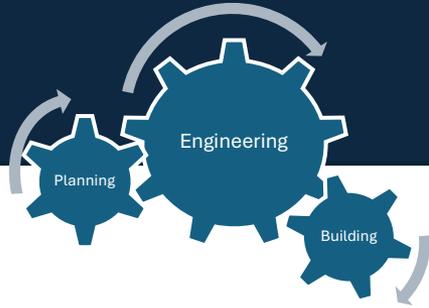
HSIP: Local Highway Safety Improvement Grant Program

SS4A: Safe Streets and Roads for All Grant Program

# DEVELOPMENT ENGINEERING



# DEVELOPMENT ENGINEERING



Development Type	Number of Plan Checks	
	Completed	In Review
Residential	41	9
Commercial	32	46
Number of Inspections Completed: 1,054		

- 🚧 Review of Hydrology, Geotechnical, WQMP, Water/Sewer Feasibility, and Traffic Studies
- 🚧 Issuance of Conditions of Approval
- 🚧 Review of Civil Improvement Plans

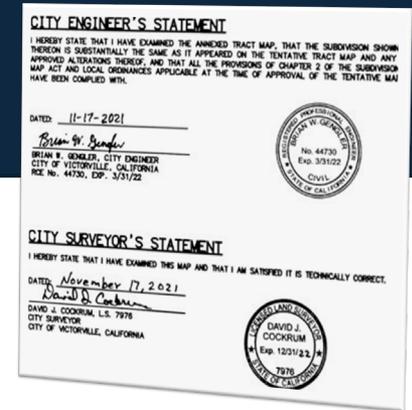
Permit Type	Issued
Utility	112
Right-of-Way	15
Transportation	30
Water	133

- 🚧 Issuance of Public ROW Permits
- 🚧 Inspection during Construction
- 🚧 Project acceptance

# **SURVEYING / MAPPING**



# SURVEYING / MAPPING



Surveying Support	Completed
Developer Document Reviews	12
Engineering Department CIP	6
Public Works	4
SCLA	1
VMUS	1
Economic Development	1

CIP/  
DEVELOPMENT

PUBLIC  
WORKS

ECONOMIC  
DEVELOPMENT

CODE  
ENFORCEMENT

VMUS

SCLA

PUBLIC  
RECORD  
REQUESTS

PROVIDES INFORMATION, RESEARCH AND CONSULTATION TO CITY DEPARTMENTS AND PRIVATE DEVELOPERS

# TRAFFIC MAINTENANCE



# TRAFFIC MAINTENANCE



## Traffic Maintenance Signal, Signs, Markings

Activity	Total #
Preventive Maintenance	124
USA's Checked/Marked	57
Signal Emergency Repair	29
Pole Knock Downs	2
Street Light Repairs	2
Signs Maintained	877
Signs Fabricated	272
New Signs Installed	102
Gallons of Paint Used	284
Red Curb Footage Painted	4,264
Standby Calls	62

