



City of Victorville Engineering Department

Q3 REPORT 2024

January 1, 2024 through March 31, 2024



Welcome to the inaugural Engineering Department Quarterly update for the third quarter of Fiscal Year 2024. We are working very hard to deliver many infrastructure projects this calendar year, but for my initial discussion, I wanted to pay our respects to our former City Engineer, Mr. Brian W. Gengler, who sadly passed away on March 16th.

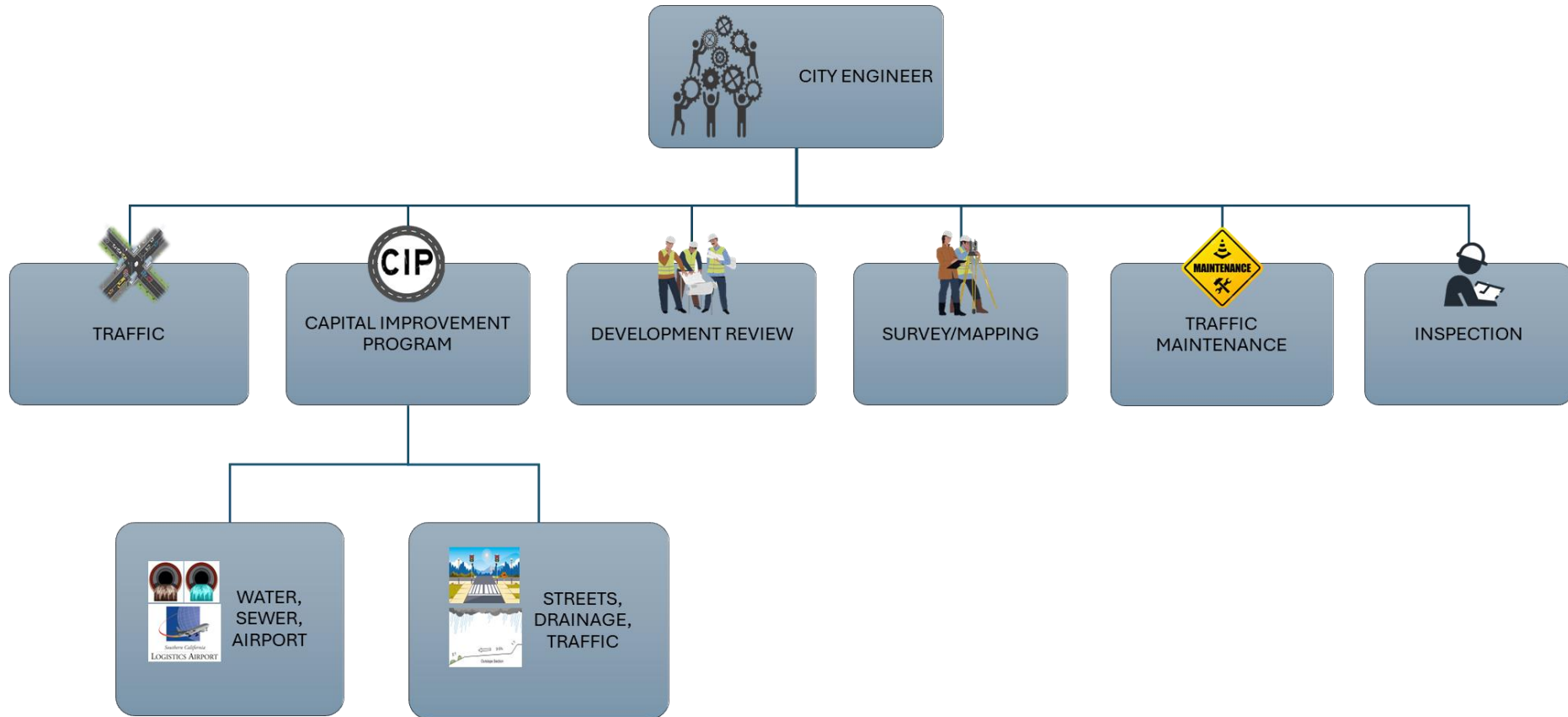
Brian retired in September 2023 after having served the City of Victorville for 22 years. He joined the City as our Traffic Engineer in 2002 and was promoted to Assistant City Engineer just six months later. Brian served as our City Engineer for 11 years prior to his retirement. Brian's career in public service spanned 34 years with prior service to the cities of Hermosa Beach, Loma Linda, and Big Bear Lake.

Brian was a tremendous part of our success and had a huge impact on our City. He oversaw major infrastructure projects like the Green Tree Extension and Bear Valley Road Bridge Widening as well as the La Mesa/Nisqualli Interchange, and the Nisqualli Road Reconstruction.

Brian was a great engineer, mentor, and friend. In the words of one of our Public Works Inspectors, “It was an honor to walk this Earth with him. He will be very truly missed. The High Desert owes him a thank you and will be less of a place without him.” Brian thank you for the great projects that you delivered to the City of Victorville, but most importantly for taking the time to mentor the engineers in our office. We will continue to work hard (as you did) to deliver quality projects to our residents in your honor.

Fredy A. Bonilla, PE
City Engineer

ORGANIZATIONAL STRUCTURE



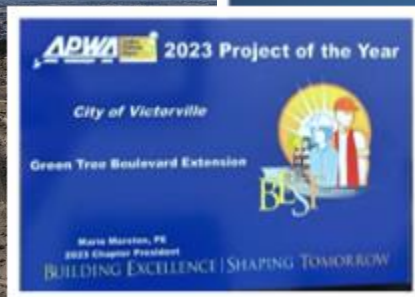
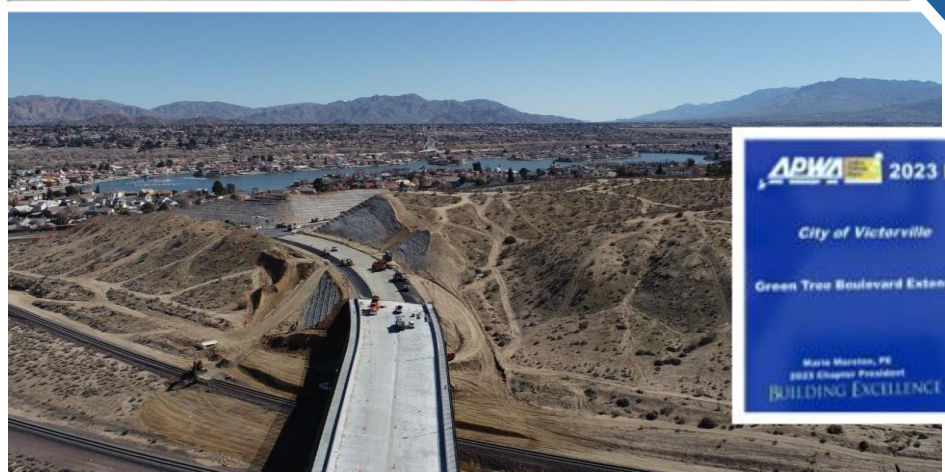


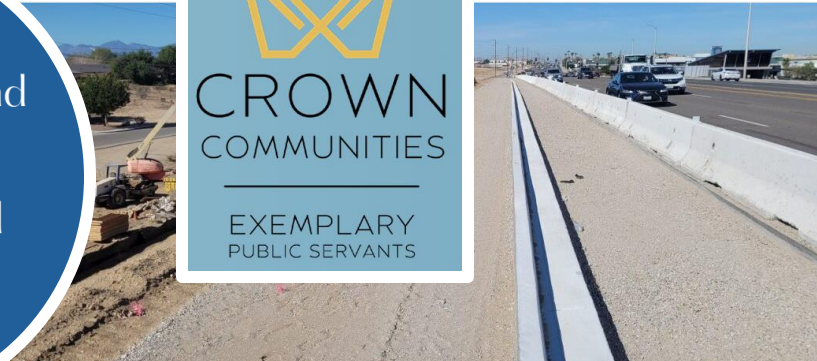
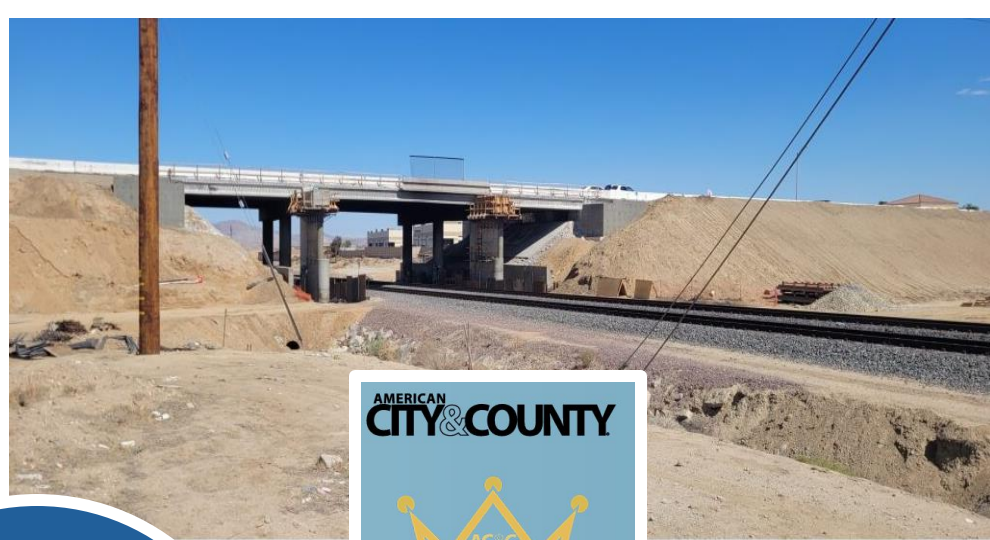
Project Updates



**AWARDS
RECEIVED**

Green Tree Project





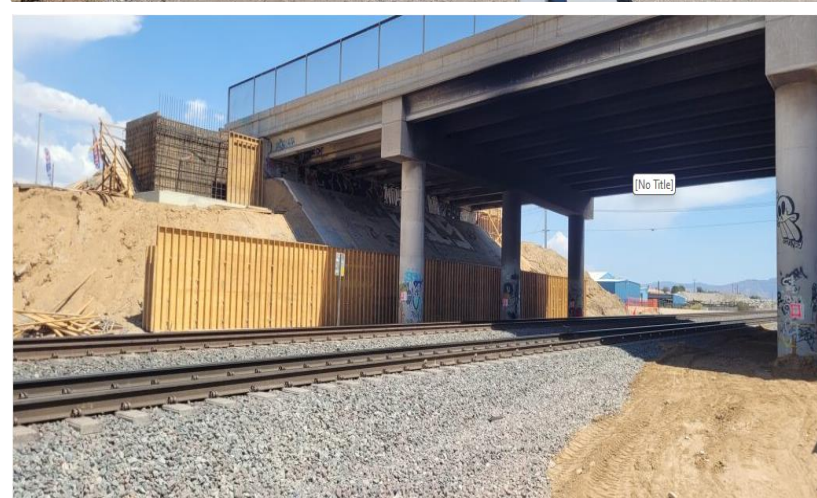
Bear Valley Road
over
BNSF Railroad
Bridge Widening Project

AMERICAN
CITY&COUNTY



**CROWN
COMMUNITIES**

EXEMPLARY
PUBLIC SERVANTS





CAPITAL IMPROVEMENT PROJECTS

CONSTRUCTION

COMPLETED

New Traffic Signal at Village Drive & Tawney Ridge

- 🚧 Awarded Contract Amount: \$ 601,714
- 🚧 Final Construction Cost: \$ 567,918
- 🚧 Construction Completed: January 2024



VMUS Gas Pipeline Replacement Project Phase 4

- 🚧 Awarded Contract Amount: \$ 298,439
- 🚧 Final Construction Cost: \$ 287,894
- 🚧 Notice of Completion Recorded on February 6, 2024



BEFORE



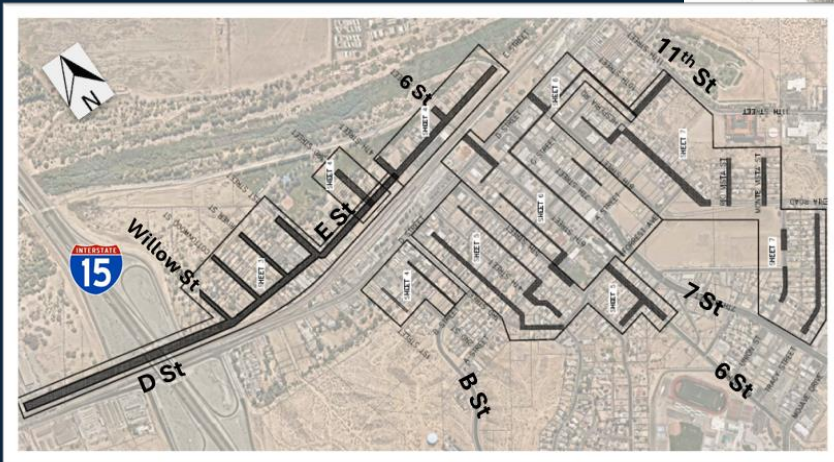
Now that the entire gas pipeline infrastructure at the Southern California Logistics Airport (SCLA) has been replaced, we are proceeding with the next phase of work, which is a direct metered connection to Kern River Gas Transmission system.

AFTER



Sewer Lining Project Phase 2

- 🚧 This project rehabilitated approximately 23,822 lineal feet of structurally deficient sanitary sewer pipelines and 511 sewer laterals in Old Town Victorville.
- 🚧 Final Construction Cost: \$ 1,813,690
- 🚧 Construction Completed: January 2024



SCLA Connection 1

- 🚧 Final Construction Cost: \$97,820
- 🚧 Construction Completed: March 2024



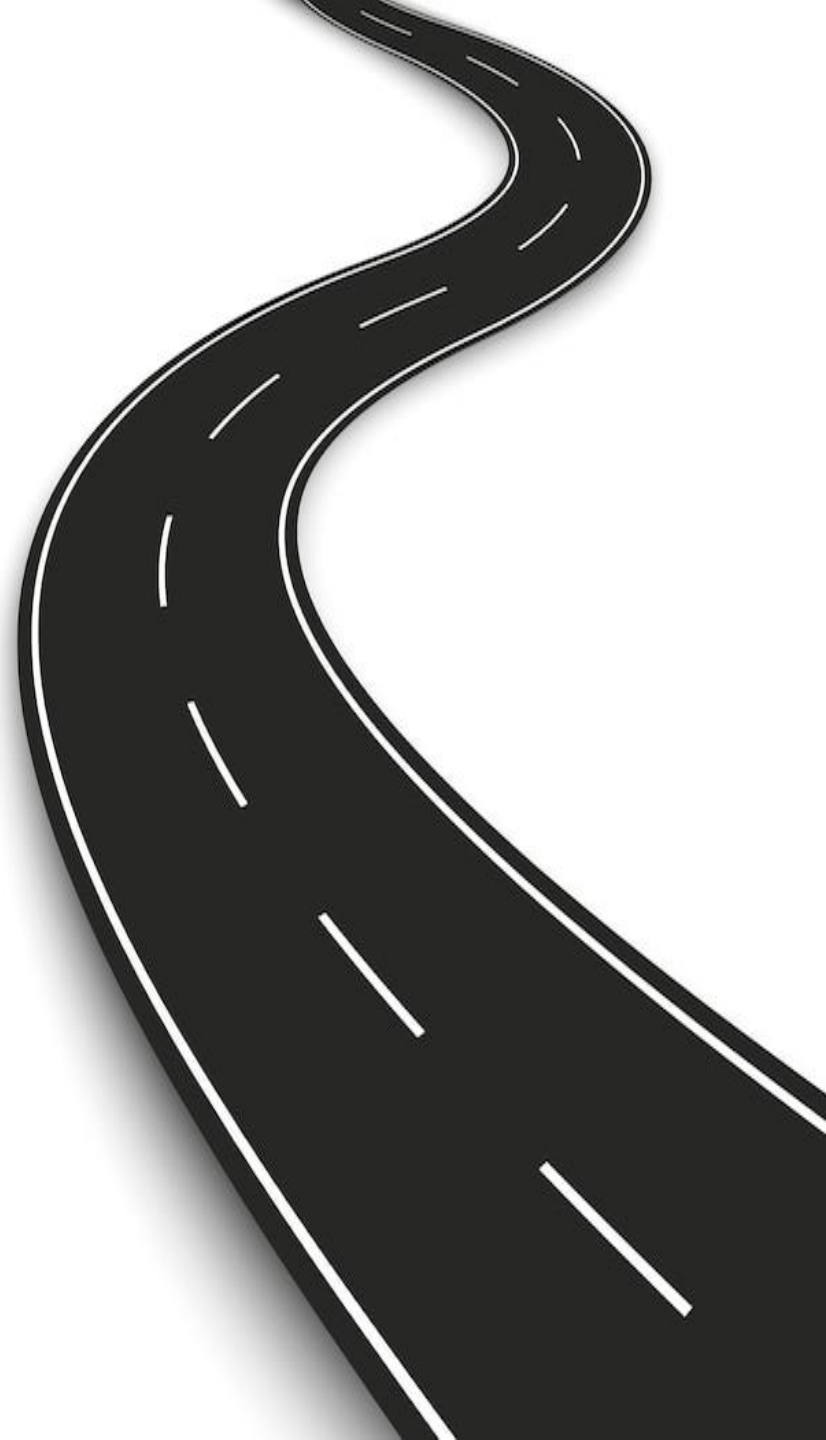
This project connected the recycled water discharge pipeline from SCLA's Industrial Waste-Water Treatment Plant (IWWTP) to the existing Victor Valley Wastewater Reclamation Authority's (VVWRA) sewer system to be able to handle recycled water flows that exceed the existing storage capacity.





CAPITAL IMPROVEMENT PROJECTS

**CONSTRUCTION IN
PROGRESS**



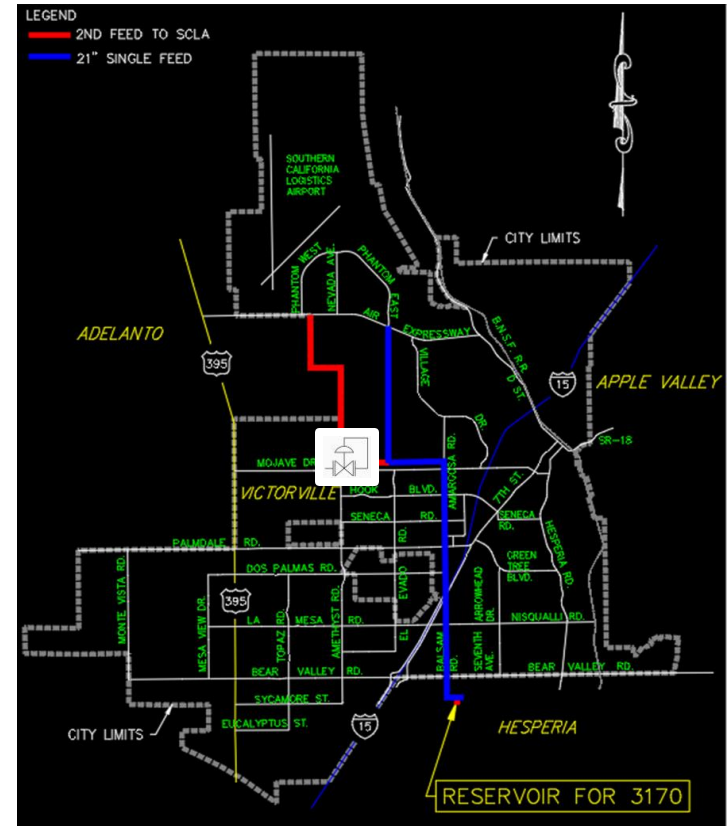
Bear Valley Road Reconstruction Project

- Contractor: C.A. Rasmussen
- Contract Amount: \$ 8,944,073
- Construction Start Date: March 22, 2024
- Expected Construction Completion: Summer 2024



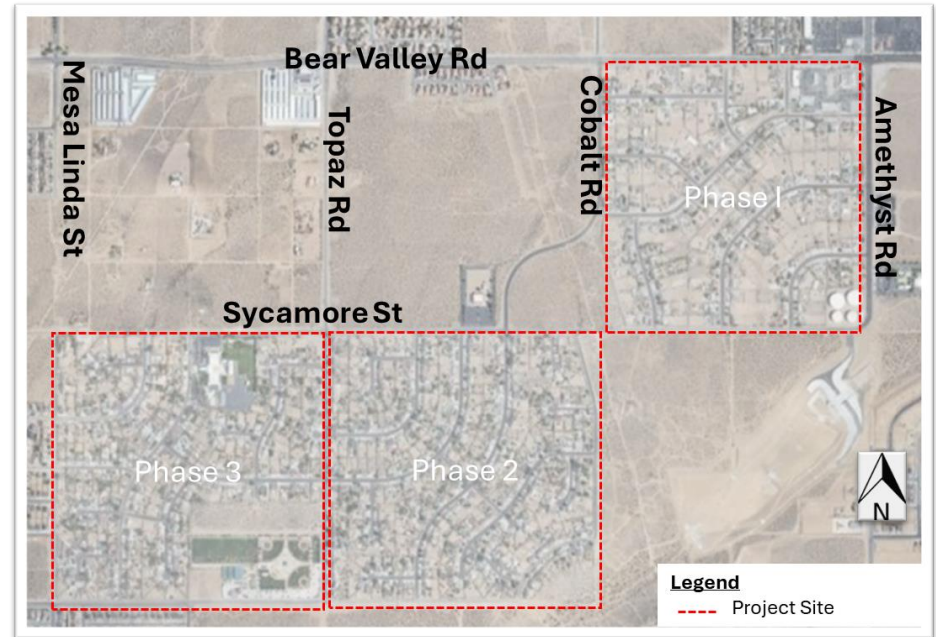
Pressure Reducing Valve Installation at Mojave Drive and Amethyst Road (2nd Feed to SCLA)

- 🚧 This project will provide an additional potable water feed to the Southern California Logistic Airport (SCLA) by interconnecting pressure zone 3290 to pressure zone 3170.
- 🚧 Construction Estimate: \$ 370,000
- 🚧 Estimated Construction Completion: Summer 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.
- 🚧 Construction Estimate: \$ 2,800,000
- 🚧 Estimated Construction Completion: Fall 2024



3rd 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.
- 🚧 Improvement to be fully funded by a private developer
- 🚧 Estimated Completion Date: Fall 2024





CAPITAL IMPROVEMENT PROJECTS

**UPCOMING
CONSTRUCTION
PROJECTS**

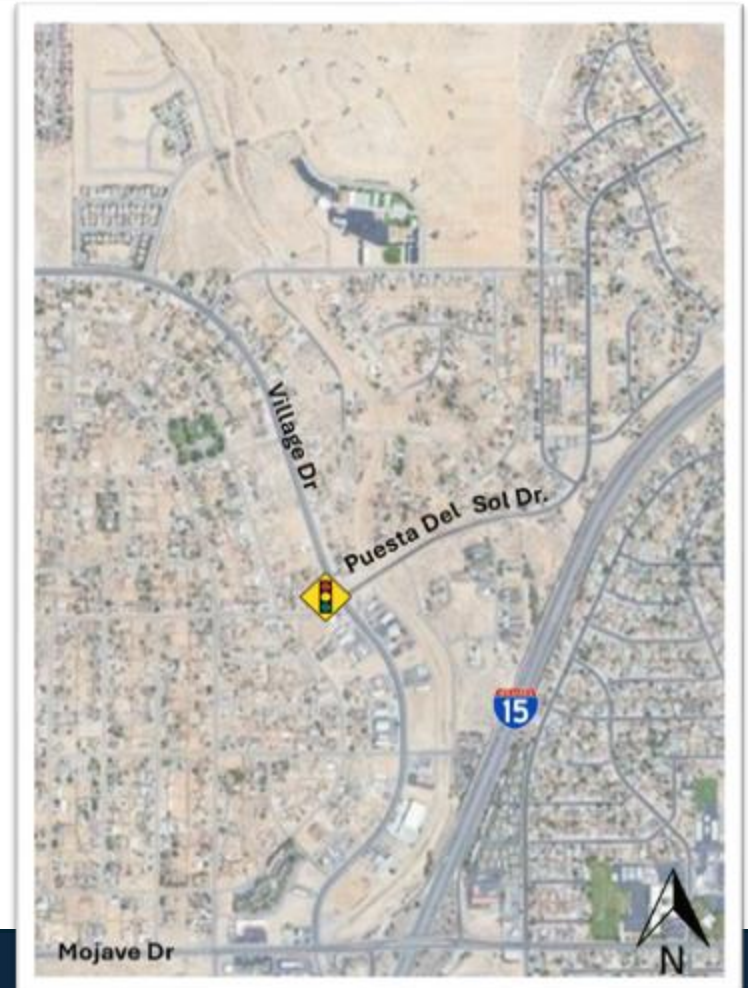
7th Street Traffic Signal Modifications Project

- 🚧 Contract Amount: \$ 2,876,393
- 🚧 HSIP Grant Amount: \$1,320,000
- 🚧 Contractor: Belco Elecnor
- 🚧 Construction Start Date: June 2024
- 🚧 Expected Completion: Fall 2024



New Traffic Signal at Village Drive and Puesta Del Sol Project

- 🚧 Contract Amount: \$ 1,120,480
- 🚧 HSIP Grant Amount: \$ 526,500
- 🚧 Contractor: Belco Elecnor
- 🚧 Construction Start Date: June 2024
- 🚧 Expected Completion: Fall 2024



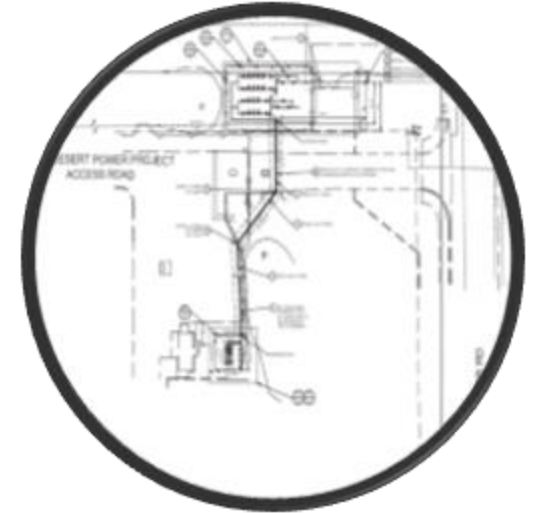
Old Town Septic to Sewer Conversion Project (SEP Program)

- 🚧 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
- 🚧 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
- 🚧 Estimated Construction Completion: Fall 2024





CAPITAL IMPROVEMENT PROJECTS

PROJECTS IN DESIGN PHASE



PROJECTS IN DESIGN PHASE

**ESTIMATED
CONSTRUCTION
START DATE**

1MG Recycled Water Storage Tank Project

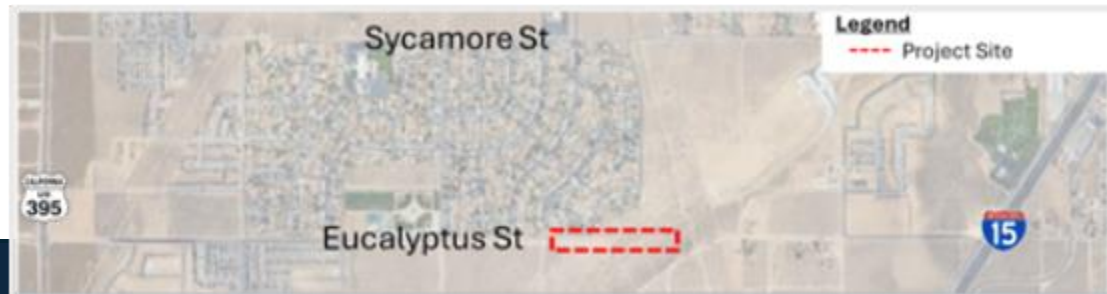
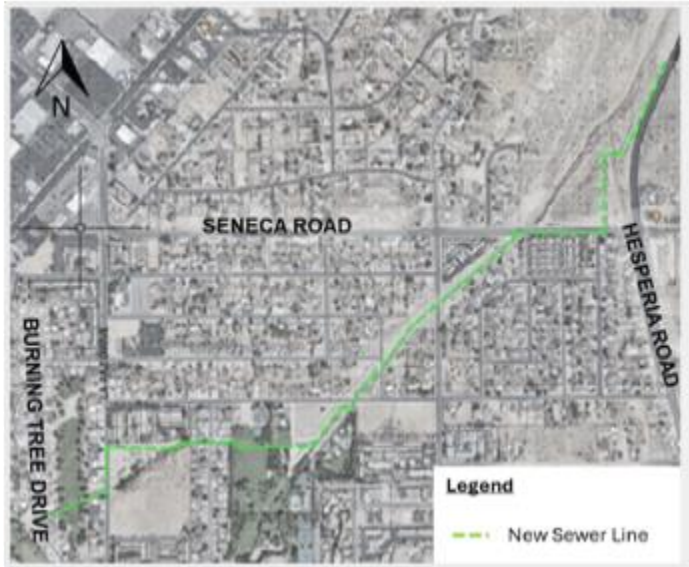
FY 2024/2025

Sewer Capacity Improvement Project C2&C3

FY 2024/2025

Eucalyptus Street Drainage and Roadway
Improvement Project

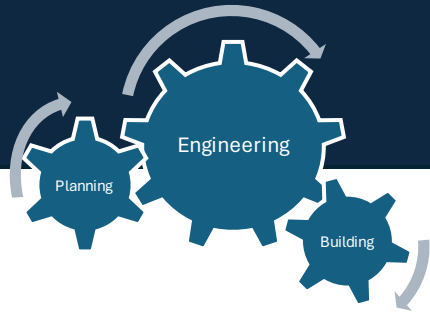
FY 2024/2025



DEVELOPMENT ENGINEERING



DEVELOPMENT ENGINEERING



Development Type	Number of Plan Checks	
	Completed	In Review
Residential	7 Tracts	12 SFR / 4 Tracts
Commercial	2	17
Number of Inspections Completed: 1,322		

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

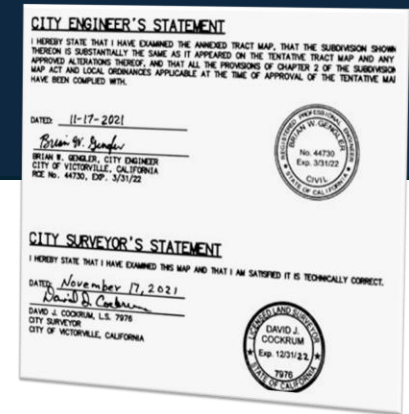
Permit Type	Issued
EUTL	110
EROW	12
TRAN	57
EWTR	138

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

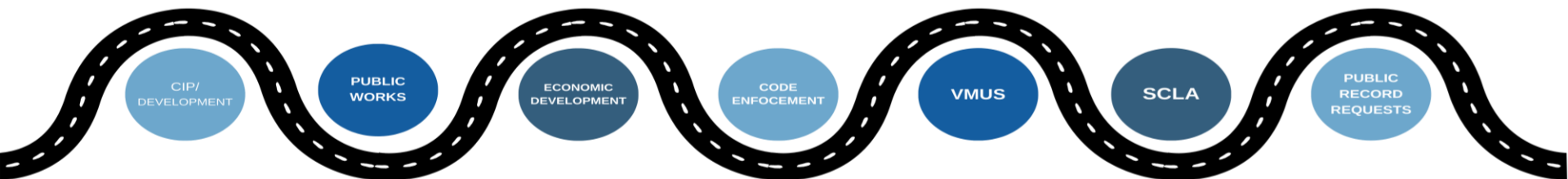
SURVEYING / MAPPING



SURVEYING / MAPPING



Surveying Support	Completed
Developer Document Reviews	16
Engineering Department CIP	8
Public Works	4
SCLA	1
VMUS	1
Economic Development	1



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

TRAFFIC MAINTENANCE



TRAFFIC MAINTENANCE



Traffic Maintenance Signal, Signs, Markings

Activity	Total #
Preventive Maintenance	127
USA's Checked/Marked	59
Signal Emergency Repair	55
Pole Knock Downs	2
Street Light Repairs	21
Signs Maintained	885
Signs Fabricated	390
New Signs Installed	71
Gallons of Paint Used	41
Red Curb Footage Painted	8,780
Standby Calls	67

