

Attachment A

City of Victorville Engineering Department

October 1, 2024 through December 31, 2024





We hope every one of you enjoyed a wonderful Holiday Season. Our Engineering Department worked very hard in the second quarter of fiscal year 2024-2025. I am very proud to report on the progress of the Engineering Department. We completed the following projects:

- **Citywide Pavement Preservation Project** – This project included micro-surfacing and slurry seal treatment for fourteen (14) miles of City streets and two (2) City Park parking lots. Most of the work was completed last year, and the contractor is currently wrapping up the striping and minor items.
- **Area 6 Water Service Replacement Projects** – This project replaced 638 40-year-old plastic services in the Golden Triangle area with copper piping including the service saddles. This continues to the City's investment in Water infrastructure. To minimize leaks, the Victorville Water District has replaced a total of 3,967 plastic services since 2018.
- **Septic to Sewer Project.** This project constructed a sewer lift station on Willow Street in Old Town Victorville that connected a total of three (3) residential properties to the City's sewer collection system. We are already planning the next septic to sewer project and the first step will be to seek grant funds to continue to abandon septic systems that will ultimately increase water quality for our great City.

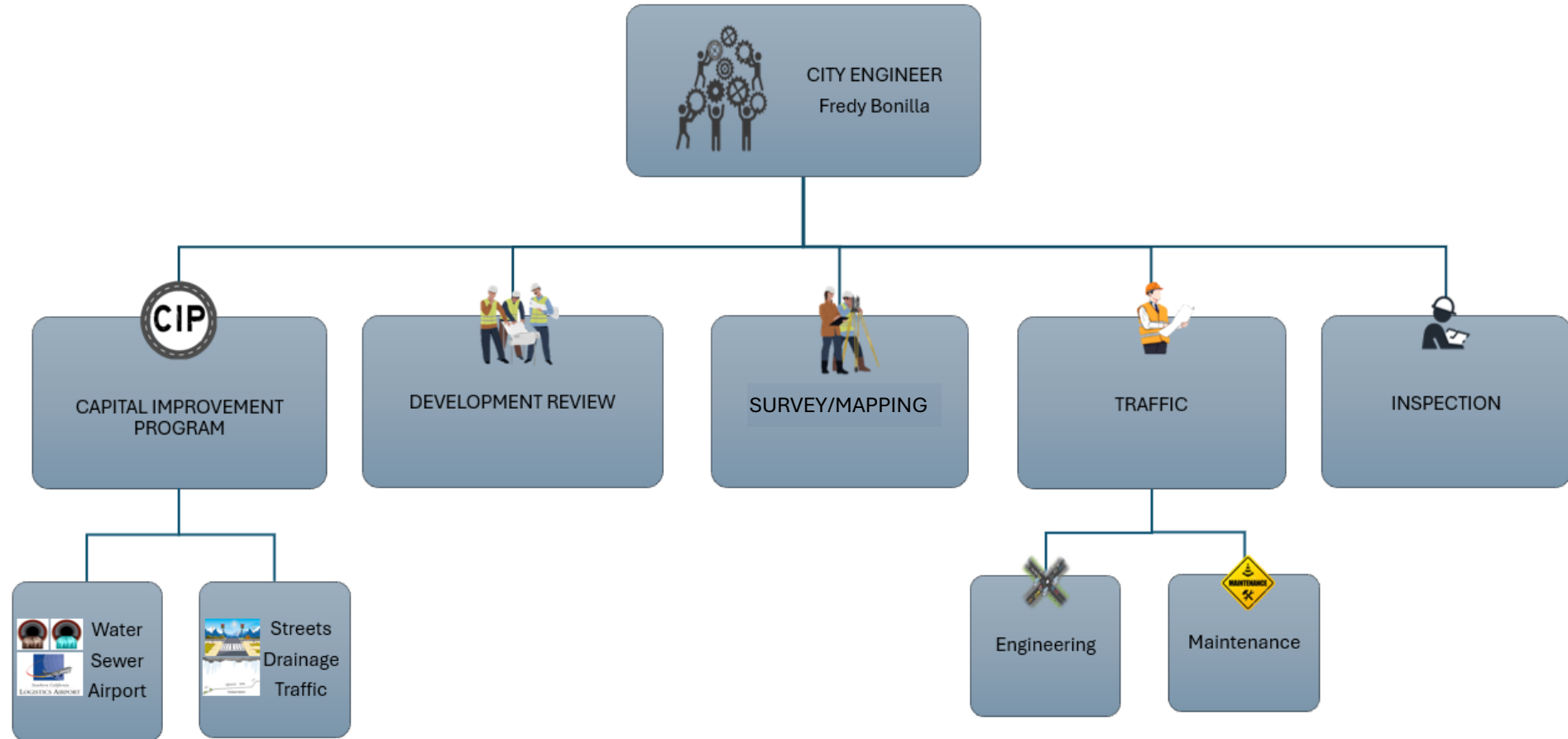
Additionally, we made great progress on our upcoming CIP projects. We are getting ready to advertise the following projects in the next quarter:

- **Old Town Sidewalk Connectivity Project Phase 2.** This project is partially funded by a \$250k grant and will construct missing sidewalk at nine (9) locations in Old Town Victorville.
- **Rectangular Red Flashing Beacons** – This grant funded project will install Rectangular Red Flashing Beacons at nine (9) different crosswalk locations that will increase pedestrian safety for our residents. The project will also replace non-ADA compliant curb ramps and re-stripe crosswalks.
- **Ridgecrest Road Improvements** – This project will resurface Ridgecrest Road from Bear Valley Road to Pahute Avenue. The project will also construct sidewalk improvements on the east side of Ridgecrest Road north of Bear Valley Road.
- **Roy Rogers Drive Improvements** – This project will resurface Roy Rogers Drive from Amargosa Road to I-15. The project will also construct a center median east of Civic Drive.
- **Mojave Drive Improvements** – This project will resurface Mojave Drive from Amargosa Road to I-15. We are also proposing to complete road widening on the north side of Mojave Drive from Condor Road to Amargosa Road that will include the construction of a third lane for westbound traffic, curb & gutter, sidewalk, street lighting, and fire hydrants. As we wrap up the design, our next step will be to meet with the property owners for the needed right-of-way.
- **Mesa Street Sewer Lateral Upgrades between Catapa Road and Cochita Street** - This project will excavate and recompact approximately 2,660 lineal feet of deficient trench, repairing sewer laterals, and pavement restoration.

As we head into the Spring & Summer months, you will see more and more construction activity Citywide.

Fredy A. Bonilla, City Engineer

ORGANIZATIONAL STRUCTURE





Project Updates



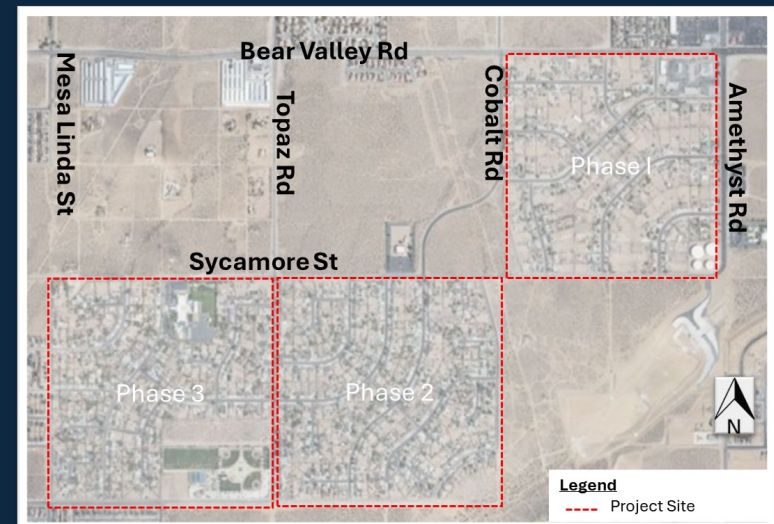
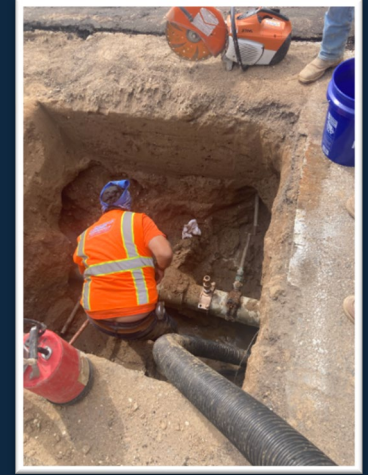
CAPITAL IMPROVEMENT PROJECTS

CONSTRUCTION

COMPLETED

Water Service Replacement Project Area 6 – Golden Triangle Area

- 🚧 This project replaced 643, 40-year-old PVC (plastic) water service laterals in the Golden Triangle area with copper piping.
- 🚧 Contractor: Christensen Brothers General Engineering Inc.
- 🚧 Contract Award: October 17, 2023
- 🚧 Contract Amount: \$2,631,405
- 🚧 Start of Construction: April 15, 2024
- 🚧 Completion Date: December 13, 2024



Citywide Water Service Replacement Project Update

- Citywide initiative to replace existing plastic service lines with copper lines as existing plastic service lines are prone to splitting which creates a significant maintenance for Water District crews
- Since FY 16 a total of 3,967 water services have been replaced by contractors
- Approximately 8,000 water services have been replaced by Victorville Water District Staff for a total of approximately 12,000 services

Completed in Fiscal Year	SERVICE AREA No.	No. OF SERVICE LINES REPLACED
16	<i>Pilot</i>	50
18	1	416
19	2	367
20	3	816
20	4	715
21	5	960
24	6	643
		3,967



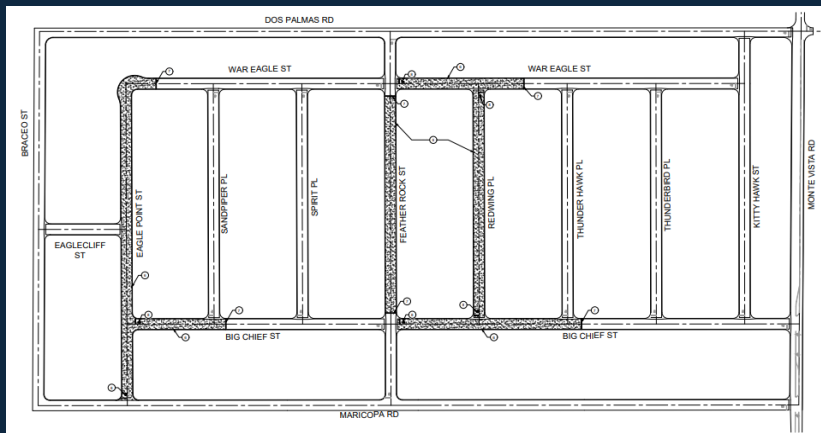
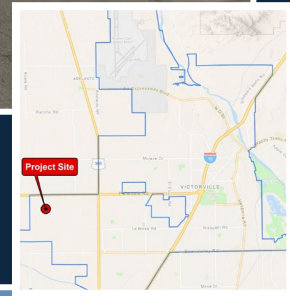
Old Town Septic to Sewer Conversion Project (SEP Program)

- 🚧 This project connected three residences in Old Town Victorville to the municipal sewer system to prevent potential groundwater contamination. The new sewer connection also included a lift station.
- 🚧 Contract or: Kerns, Inc.
- 🚧 Contract Award: April 16, 2024
- 🚧 Contract Amount: \$586,042.91
- 🚧 Start of Construction: June 24, 2024
- 🚧 Completion Date: November 5, 2024



Tract 16792 Improvements

- 🚧 This project repaired existing streets within Tract No. 16792, south of Dos Palmas and west of Monte Vista
- 🚧 Contract or: C.A. Rasmussen
- 🚧 Contract Award: September 5, 2023
- 🚧 Contract Amount: \$684,078
- 🚧 Start of Construction: March 18, 2024
- 🚧 Completion Date: August 23, 2024



Maverick Gas Station Frontage Improvements

🚧 In collaboration with a private developer, the City coordinated the frontage improvements along Mariposa Road and Nisqualli Road including the installation of a new center median that will improve traffic safety and provide ingress and egress to the new development.

🚧 Completion Date: November 2024





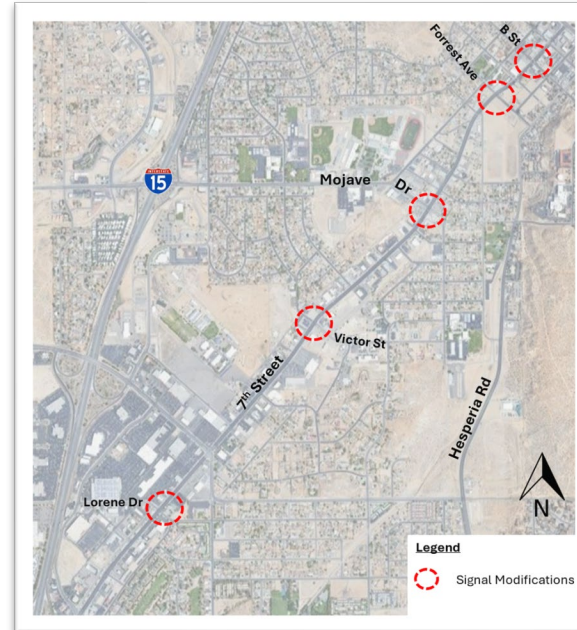
CAPITAL IMPROVEMENT PROJECTS

CONSTRUCTION IN PROGRESS



7th Street Traffic Signal Modifications Project

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



B ST



Forrest Ave



Mojave Dr



Victor St



Lorene Dr

New Traffic Signal at Village Drive and Puesta Del Sol Project

- 🚧 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
- 🚧 Start of Construction: August 1, 2024
- 🚧 Estimated Construction Completion: Spring 2025



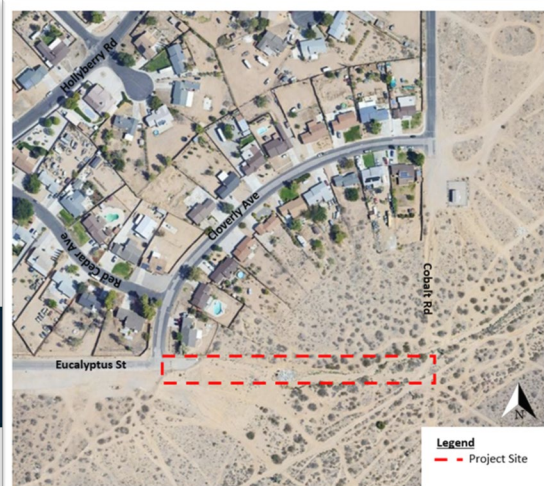
Installation of Retroreflective Tape

- 🚧 This project will install retroreflective borders around 96 traffic signal backplates to improve safety.
- 🚧 Completed to Date: 61 out of 96
- 🚧 Estimated Construction Completion: Summer 2025



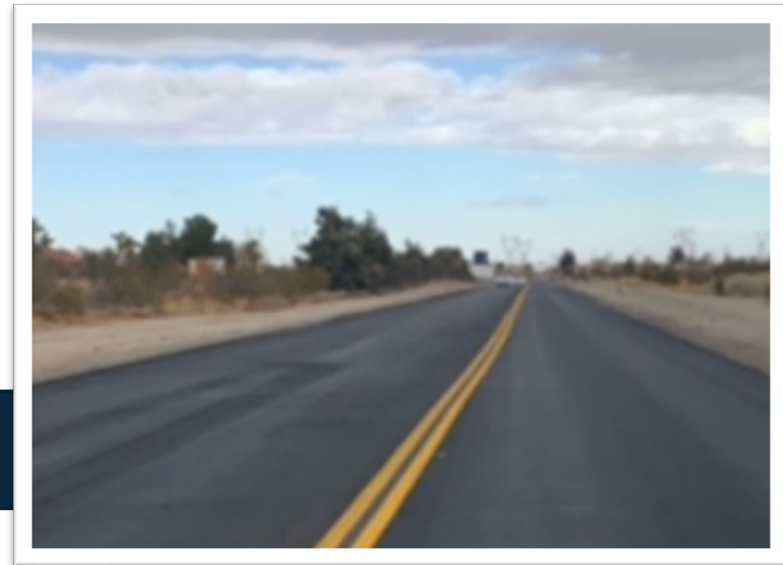
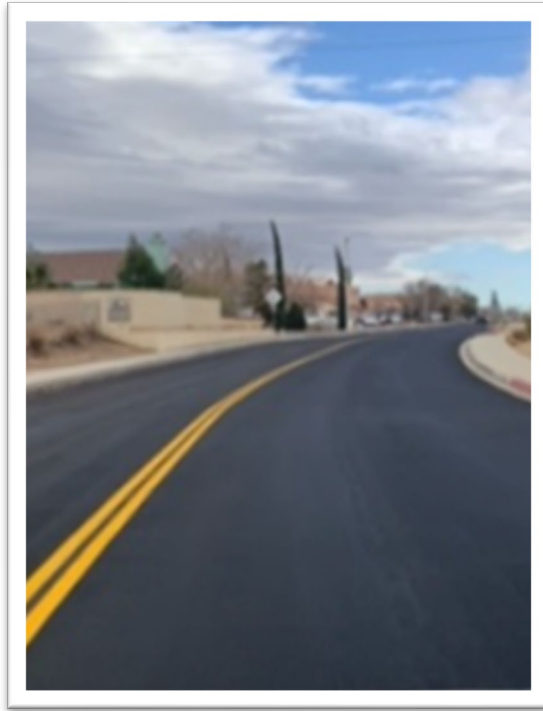
Eucalyptus Street Infrastructure Restoration Project

- 🚧 This project will relocate a potable water line and repair an existing reinforced concrete pipe storm drain.
- 🚧 Contractor: Kirtley Construction
- 🚧 Contract Award: August 20, 2024
- 🚧 Contract Amount: \$325,000
- 🚧 Estimated Start of Construction: Fall 2024
- 🚧 Estimated Completion Date: Spring 2025



Citywide Pavement Preservation and Maintenance Project (Golden Triangle Slurry Seal)

- 🚧 This project will include micro-surfacing and slurry seal treatment for fourteen (14) miles of City streets and two (2) City Park parking lots.
- 🚧 Open Bid Date: August 5, 2024
- 🚧 Contract Award: August 20, 2024
- 🚧 Contract Amount: \$1,600,000
- 🚧 Start of Construction: October 10, 2024
- 🚧 Estimated Completion Date: January 2025





CAPITAL IMPROVEMENT PROJECTS

UPCOMING CONSTRUCTION PROJECTS

Solitude Circle Pavement Repair Project

- 🚧 This project will permanently repair roadway undermined by sinkhole caused by a water main rupture near the intersection of Solitude Circle and Jade Road in Victorville.
- 🚧 Contractor: LCR Earthwork and Engineering Corp.
- 🚧 Contract Award: December 10, 2024
- 🚧 Contract Amount: \$87,000
- 🚧 Estimated Start Date: January 2025
- 🚧 Estimated Completion Date: Spring 2025



Pressure Zone Change Project – Area 7

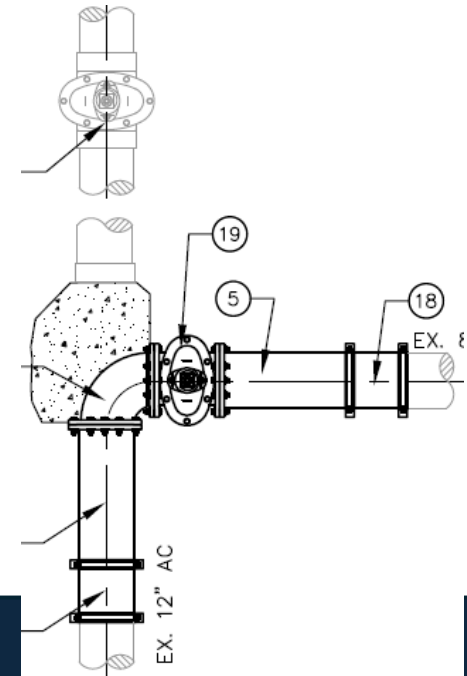
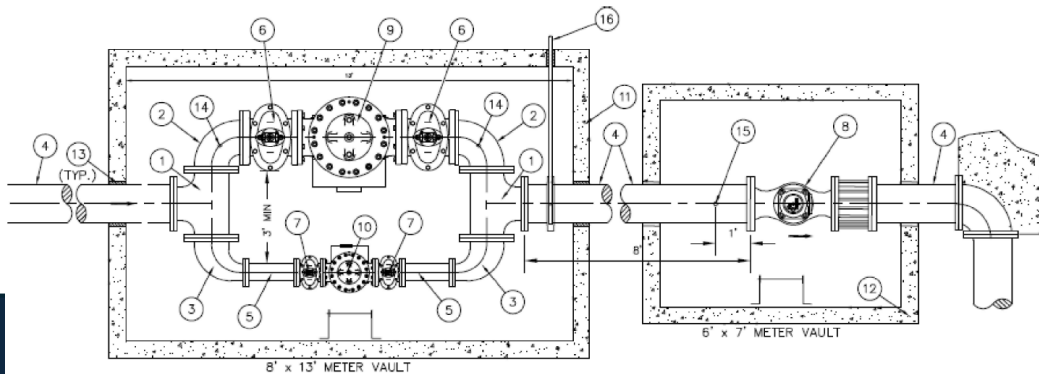
🚧 The City of Victorville will reconfigure the existing water system in the northeastern area of Bear Valley Road and Balsam Road to address low water pressure and inadequate fire flow by rezoning the area from Pressure Zone 3170 to Pressure Zone 3290.

🚧 Open Bid Date: December 19, 2024

🚧 Contract Award: February 4, 2025

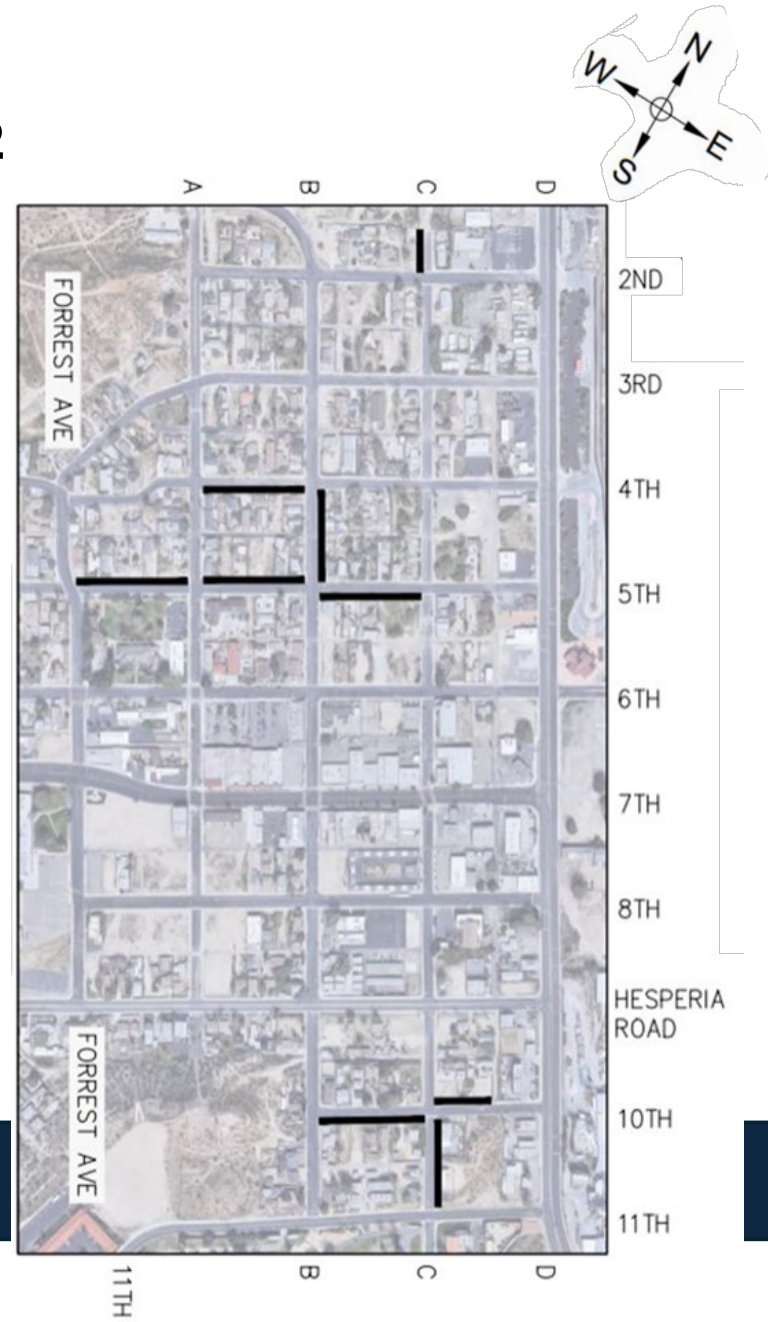
🚧 Start of Construction: March 2025

🚧 Estimated Completion Date: Fall 2025



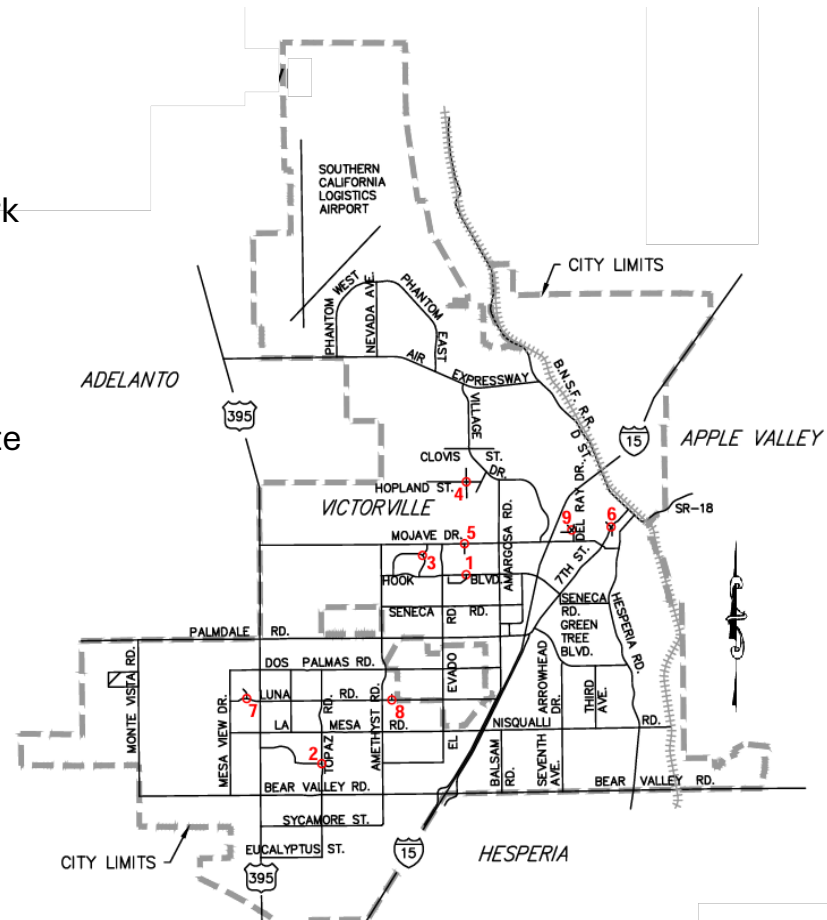
Old Town Sidewalk Connectivity Phase 2

- 🚧 This project will close sidewalk gaps in the Old Town area.
- 🚧 Project Advertisement: January 2025
- 🚧 Bid Opening Day: February 2025
- 🚧 Estimated Start of Construction: Summer 2025
- 🚧 Estimated Construction Completion: Fall 2025



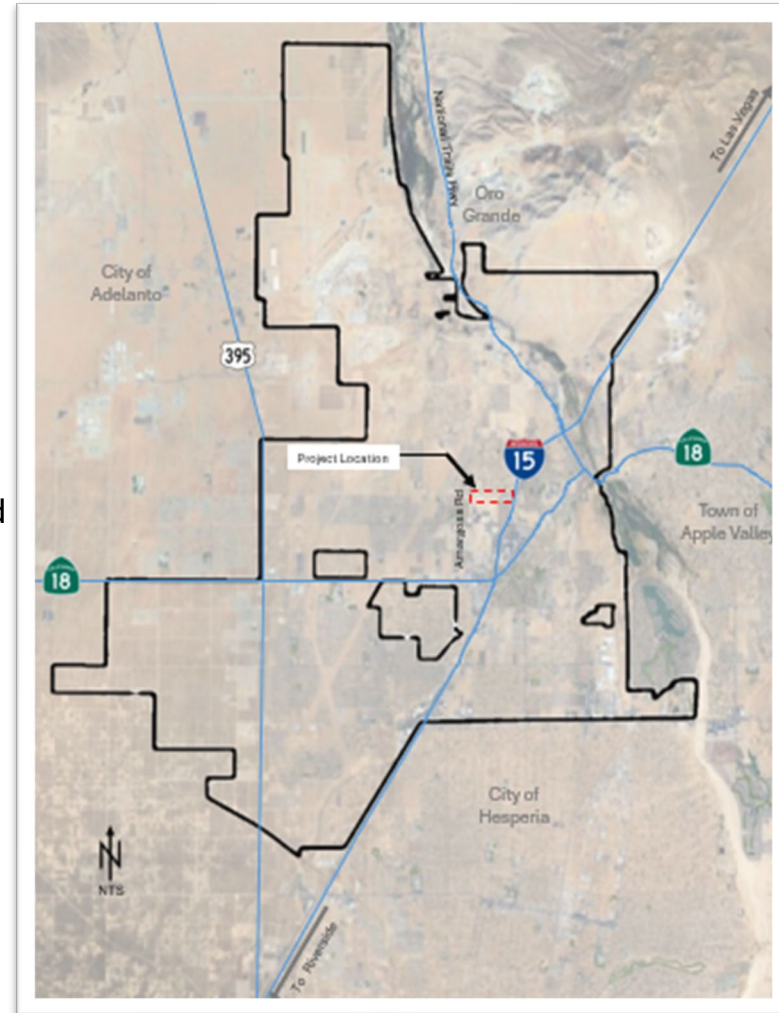
Crosswalk Enhancement Project

- 🚧 This project will improve the safety of nine (9) intersections by installing rectangular rapid flashing beacons with additional pavement markings and signage.
- 🚧 In-house Design Status: 90% Complete
- 🚧 Projected Advertisement Date: Summer 2025 (Concrete Work Only)
- 🚧 Project will be completed by the Traffic Division of the Engineering Department with contractor support for concrete improvements at each intersection.



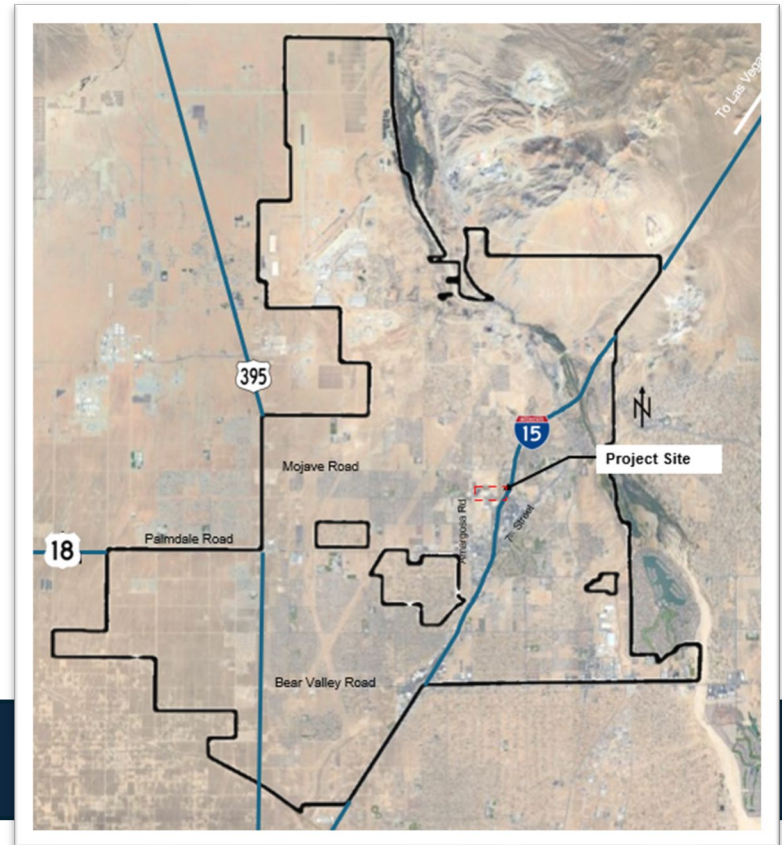
Mojave Drive Improvements from I-15 Freeway to Amargosa Road

- 🚧 This project will reconstruct Mojave Road from I-15 to Amargosa Road and will also widen the North side of this segment from Condor to Amargosa. The North side of Mojave will have curb, gutter and sidewalk on the north side as well as ADA compliant curb ramps, driveway approaches, fire hydrants, crosswalks and signage.
- 🚧 In-house Design Status: 70% Complete – Right-of-Way needs to be acquired between Condor and Amethyst.
- 🚧 Projected Advertisement Date: Summer 2025



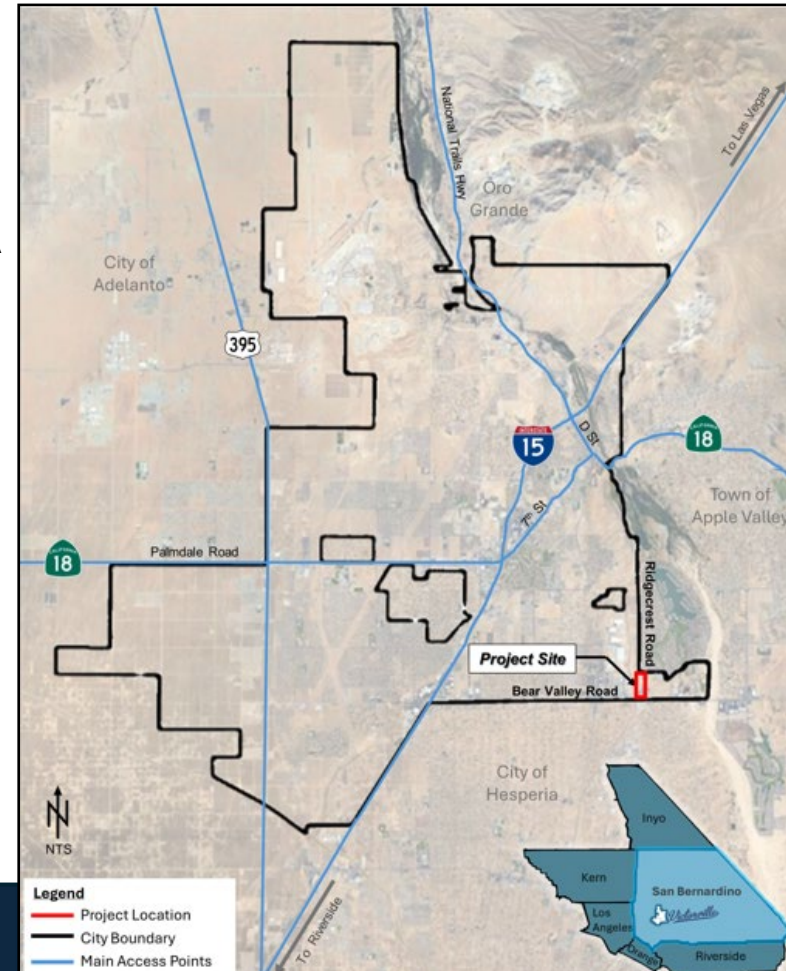
Roy Rogers Drive Pavement Reconstruction and Rehabilitation Project - From I-15 to Amargosa Road

- 🚧 This project will reconstruct portions of the road and construct a median in place of existing delineators across the street from In-n-Out.
- 🚧 In-house Design Status: 50% Complete
- 🚧 Projected Advertisement Date: Summer 2025



Ridgecrest Road Reconstruction and Improvement Project - BVR to Pahute Ave

- 🚧 This project will reconstruct Ridgecrest Road between Bear Valley Road and Pahute Avenue and it will close existing infrastructure gaps on the east side of the road by providing ADA compliant curb ramps, curb and gutter and fire hydrants and pedestrian crossing and crosswalks as needed.
- 🚧 In-house Design Status: 75% Complete
- 🚧 Projected Advertisement Date: Summer 2025



Village Drive Sidewalk Project – From Puesta Del Sol Dr. To Tawney Ridge Ln.

- 🚧 This project will provide sidewalk and drive approaches along Village Drive from Puesta Del Sol Drive to Tawney Ridge Lane.
- 🚧 In-house Design Status: 50% Complete
- 🚧 Projected Advertisement Date: Fall 2025





CAPITAL IMPROVEMENT PROJECTS

PROJECTS IN DESIGN PHASE



PROJECTS IN DESIGN PHASE	ESTIMATED CONSTRUCTION START DATE
<i>1MG Recycled Water Storage Tank Project</i>	<i>FY 2024/2025</i>
<i>Block Wall Project - La Mesa Arsenic Treatment Plant</i>	<i>FY 2024/2025</i>
<i>Sewer Capacity Improvement Project C2&C3</i>	<i>FY 2024/2025</i>
<i>Pipeline Replacement Project – Area 7</i>	<i>FY 2024/2025</i>
<i>Block Wall Project – El Evado Arsenic Treatment Plant</i>	<i>FY 2024/2025</i>
<i>Block Wall Project - VWD Well Site 203</i>	<i>FY 2024/2025</i>
<i>Doris Davies Park Oro Grande Channel Repair Project</i>	<i>FY 2024/2025</i>
<i>Pipeline Replacement Project – Area 28</i>	<i>FY 2024/2025</i>
<i>Installation of Street Lights (Old Town, Bear Valley Road)</i>	<i>FY 2024/2025</i>
<i>Pipeline Replacement Project – Area 6</i>	<i>FY 2025/2026</i>
<i>La Paz Drive Project from I-15 NB ramp to 7th Street</i>	<i>FY 2025/2026</i>
<i>Bear Valley Road Street Improvements Project from Monte Vista Rd to US-395</i>	<i>FY 2025/2026</i>
<i>Mojave Drive Reconstruction Project from Amargosa Road to Highway 395</i>	<i>FY 2025/2026</i>
<i>Pipeline Replacement Project – Area 5</i>	<i>FY 2026/2027</i>
<i>Santa Fe Wash Sewer Relocation Project</i>	<i>FY 2026/2027</i>

IWWTP EXPANSION

- 🚧 The City's Wastewater Treatment Facility is currently operating at 90% capacity. Anticipated growth in residential, commercial, and industrial developments has created the need to expand the facility's capacity. The City retained a consultant to evaluate best expansion alternatives and prepare expansion plans up to a 30% design level.
- 🚧 Selected Consultant: Woodard & Curran, Inc.
- 🚧 Consulting Contract Awarded: August 20, 2024
- 🚧 Start of Design Activities: October 15, 2024
- 🚧 Project Status: Scope of work is 25% complete. Expansion alternative was selected and we are moving into design phase.



NPDES PERMIT

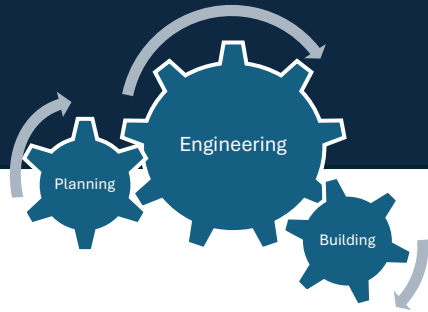
- 🚧 The City issued a Request for Proposals (RFP) for the preparation of a National Pollutant Discharge Elimination System (NPDES) Permit to explore an alternative option for excess recycled water disposal.
- 🚧 Consulting Contract Awarded: December 17, 2024
- 🚧 Selected Consultant: Larry Walker Associates
- 🚧 Status: Once the agreement is executed, a kick-off meeting will be held with Larry Walker Associates to commence the project.



DEVELOPMENT ENGINEERING



DEVELOPMENT ENGINEERING



Development Type	Number of Plan Checks	
	Completed	In Review
Residential	26	5
Commercial	13	12
Number of Inspections Completed: 219		

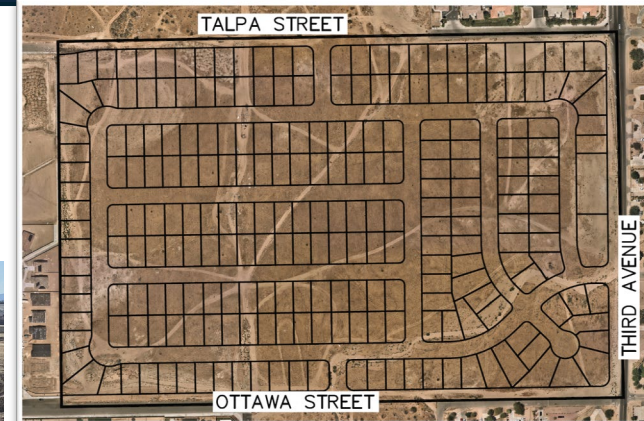
- 🚧 Review of Hydrology, Geotechnical, WQMP, Water/Sewer Feasibility, and Traffic Studies
- 🚧 Issuance of Conditions of Approval
- 🚧 Review of Civil Improvement Plans

Permit Type	Issued
Utility	111
Right-of-Way	40
Transportation	68
Water	78

- 🚧 Issuance of Public ROW Permits
- 🚧 Inspection During Construction
- 🚧 Project Acceptance

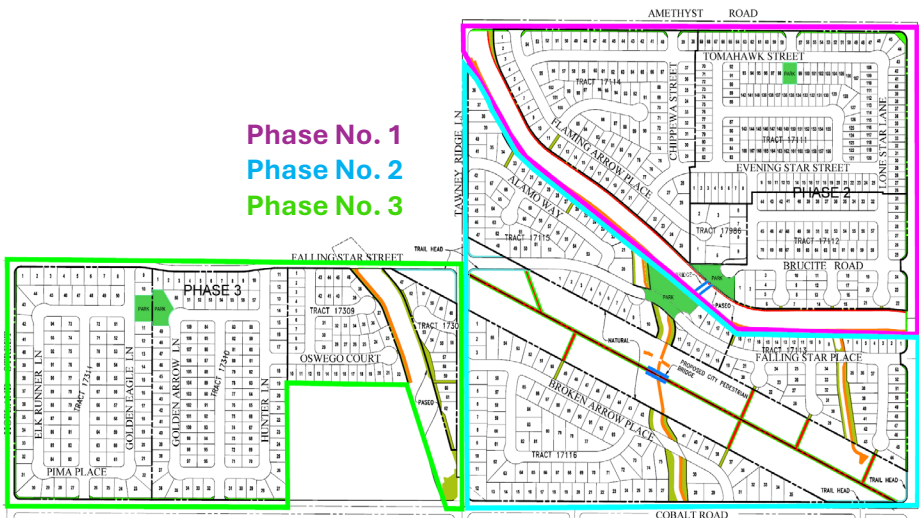
DEVELOPMENT ENGINEERING – PROJECT UPDATES

Tract No. 14132: Richmond American Homes (RAH) will construct the missing segments of Talpa Street and Ottawa Street between 3rd Street and Arrowhead Drive within the Tract. RAH is currently grading and installing wet utilities.



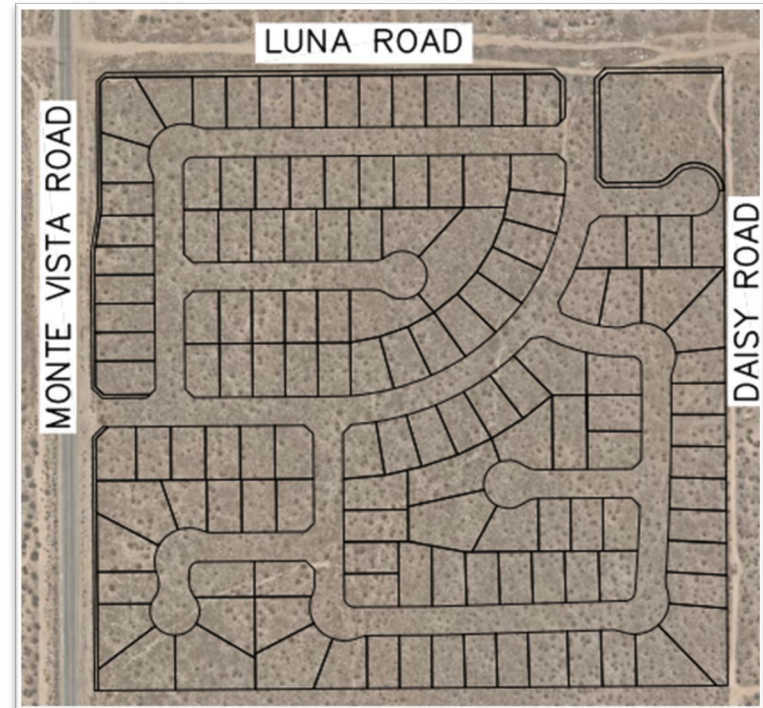
Tracts 17110 & 17308: D.R. Horton started Phase 1 of the West Creek development which consists of improving Mojave Drive and Amethyst Road, as well as two (2) parks and a drainage channel.

Phase No. 1
Phase No. 2
Phase No. 3



DEVELOPMENT ENGINEERING UPCOMMING TRACT

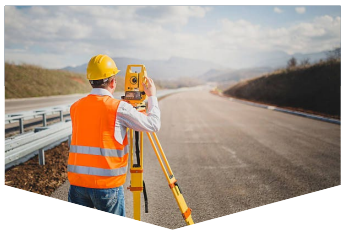
- 🚧 Tract 20275 – KB Homes
 - 🚧 Security Substitution Approved at the January 21, 2025 City Council Meeting
 - 🚧 Grading will commence in April 2025
 - 🚧 Water, Sewer, and Storm Drain Utilities and Street Improvements – August 2025: Monte Vista Road widening including LMAD improvements, curb and gutter, sidewalk, street lighting, and right turn pocket at Luna Rd.
 - 🚧 Model Home Construction – October 2025



SURVEYING / MAPPING



SURVEYING / MAPPING



Surveying Support	Completed
Developer Document Reviews	7
Engineering Department CIP	7
Public Works	3
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	135
USAs Checked/Marked	64
Signal Emergency Repair	321
Pole Knock Downs	0
Street Light Repairs	316
Signs Maintained	817
Signs Fabricated	163
New Signs Installed	55
Gallons of Paint Used	266
Red Curb Footage Painted	3,723
Striping Miles	0
Standby Calls	47

