



Engineering Department – Traffic Engineering Division

FY 23/24 Work Plan

The Traffic Engineering division is responsible for creating and implementing policy involving pedestrian, bicycle, and vehicular traffic movement. The section monitors and manages the traffic network, identifies traffic and traffic safety issues, seeks funding for and executes traffic projects. The Traffic Engineering division responds to approximately 200 citizen inquiries per year regarding traffic-related issues, as well as plans, designs, and implements traffic control devices. All traffic control permits and development projects are reviewed by the Traffic Engineering team. The Traffic Engineering Team consists of the City Traffic Engineer, 3 Engineers, a Program Coordinator and a part time Intern.

Goals for FY 23/24

- Complete 5 Traffic Studies or Plans
- Complete 5 Traffic Improvement Projects
- Prepare 5 New Policies
- Complete Private Development Submittal Reviews within 2 weeks
- Complete Traffic Control Permit reviews within 15 working days

Plans, Studies, and Designs

#	Work Item Name	Description	July 2023 Status	Target Goal & Completion
1	ENTMP Update	Revise the Encinitas Neighborhood Traffic Management Program (ENTMP) and incorporate the First Tier Speed Cushion/Speed Table program.	Preparing for City Council Review	Approve Plan Fall '23
2	Leucadia Blvd and Jasper St One-Way Couplet	Evaluate the potential to convert West Leucadia Blvd and Jasper St into a one-way couplet.	Collecting data and turning movement counts, evaluating potential impacts.	Present to MTSC & Council Winter 23/24
3	Mobility Improvements in the Vicinity of Housing Element Development Projects	Evaluate safety and mobility enhancements in the vicinity of housing element development projects.	Community meetings in Fall '2023	Present to MTSC & Council Winter 23/24
4	Signal Warrant Analyses	Signal warrants analyses at Vulcan/E and Encinitas Blvd/Camino De Las Flores.	Initiating Analyses	Present to MTSC & Council Winter 23/24
5	Lake Dr Safety and Mobility Enhancements	Evaluate safety and mobility enhancement options.	Initiating Analyses	Present to MTSC & Council Spring '24



Engineering Department – Traffic Engineering Division

FY 23/24 Work Plan

#	Work Item Name	Description	July 2023 Status	Target Goal & Completion
6	Encinitas Blvd restriping (E of I5)	Design a restriping plan for mobility enhancement.	Initiating Design	Present to MTSC & Council Spring '24
7	El Camino Real re-design	Design a restriping plan for El Camino Real south of Encinitas Blvd.	Initiating Design	Present to MTSC & Council Spring '24
8	Citywide Signal Communication, Coordination and Optimization	Prepare optimized signal timing plans for high-volume corridors.	Initiating Design	Present to MTSC & Council Summer '24
9	Manchester Ave Safety Enhancements	Analyze corridor for potential safety enhancements.	Initiating Analysis	Present to MTSC & Council Winter 23/24
10	El Portal at La Mesa Intersection Improvements	Implement safety and mobility enhancements at the intersection.	Initiating Design	Present to MTSC & Council Spring '24
11	Parking Permit Municipal Code Study	Study city Municode for Parking Permit Zone requirements and language.	Initiating Analyses	TBD

Policies/Codes

#	Work Item Name	Description	Target Goal & Completion
1	Permit Parking Municipal Code Update	Update Municode language for Permit Parking Zone requirements.	Present to Council Fall '23
2	SB743 Guidelines	Clarify the Traffic Impact Analysis Guidelines for the city.	Draft guideline after approval of Planning Commission, Winter 24
3	Residential ADA Parking	Define the process of dedicating on-street parking for ADA parking.	Present to Council Fall '23
4	AB43 Implementation Process	A Policy for implementation of Safety Corridors in the City and lowering speed limits.	Present to Council Fall '23



Engineering Department – Traffic Engineering Division

FY 23/24 Work Plan

5	Signing and Striping Plan Requirements for Development Projects	Provide clarification to developers on improvement plan requirements for development projects.	Present to Council Winter 23/24
6	Traffic Control Plan Submittal Guidelines	Provide guidelines to designers on how to prepare and submit TCPs.	Present to Council Winter 23/24

Traffic Construction Projects

#	Project Name	Description	July '23 Status	Target Goal & Completion
1	Citywide Leading Pedestrian Intervals (CS22B)	Upgrade old 170 signal controllers to 2070 controllers at 48 traffic signals, includes Leading Pedestrian Interval (LPI) operations and high visibility continental crosswalks.	Design is Underway	Complete Construction Summer '24
2	El Camino Real Z Crossing (CS20G)	Midblock staggered pedestrian signal connecting the east and west sides of North El Camino Real located between Encinitas Boulevard and Via Molena.	Poles on order, to be delivered in September	Complete Construction Winter 23/24
3	Streetlight Conversion Project (CS17H)	Replace existing streetlighting with LEDs on 2nd St, Birmingham Dr, Highway 101, El Camino Real, Encinitas Blvd, Garden View Rd, Leucadia Blvd, Mountain Vista Rd, Olivenhain Rd, Quail Gardens Dr, Santa Fe Dr, Via Cantabria, Village Pkwy, Vulcan Ave and San Elijo Ave.	Construction started in July 2023	Complete Construction Fall '23
4	Left Turn Permissive Signals (CS02G)	Replace existing permissive left-turn phasing and signal heads with protected left-turn phases and signal heads at: Encinitas Blvd/ Vulcan Ave, Leucadia Blvd/ Quail Gardens Dr, Santa Fe Dr/ Scripps Driveway, and Leucadia Blvd/North Vulcan Ave.	Design is Complete	Complete Construction Winter 23/24
5	Pedestrian Improvements	Improve pedestrian crossings at 5 intersections on Rancho Santa Fe Rd and Park Dale Lane.	Initiating Design	Complete Design Spring '24
7	Eolus/Hilcrest/Andrew Neighborhood Traffic Circle	Revisit this pilot project to determine if a quick-build neighborhood traffic circle is a good fit and determine aesthetic enhancements.	Preparing design for City Council review in Fall '23	Construction Winter '23/'24



Engineering Department – Traffic Engineering Division

FY 23/24 Work Plan

#	Project Name	Description	July '23 Status	Target Goal & Completion
8	QGD and Saxony Improvements	Develop quick build type traffic calming and mobility improvement recommendations for Saxony and Quail Gardens Dr.	Preparing to present to Council in Fall '23	Construction Spring '24
9	Sunset Dr Striping	Edge line striping along Sunset Dr and Sunset Dr/Orpheus intersection, pavement legends and striping modifications.	Pre Construction	Construction Fall '23
10	Lazy Acres Median Work	Encinitas Blvd and Lazy Acres EB median and striping modifications to increase EB left turn capacity and enhance through capacity.	Included with the CIP pavement rehab	Construction Fall '23
11	Orpheus Speed Hump Modifications	Speed hump modifications along Orpheus Ave to support Fire.	Included with the CIP pavement rehab	Construction Fall '23
12	Safe Routes to School	Safety enhancement projects near schools based on input from School District Liaison Committee.	Pre Construction	Construction Fall '23
13	Birmingham Dr Pedestrian Xing	Pedestrian crossing at Birmingham Dr/ Villa Cardiff Dr.	Pre Construction	Construction Fall '23
14	Signal Communication improvements	Connect all the traffic signals of the city to the TMC.	Initiating Project	Construction Spring '24
15	San Elijo/Chesterfield Improvements	Implement enhancements for SBRT and NBLT and minimize delay.	Initiating Project	Construction Winter '24



Engineering Department – Traffic Engineering Division

FY 23/24 Work Plan

On-Going Traffic Division Tasks			
#	Project Name	Description	Workload
1	Neighborhood Tasks List	To evaluate various requests and concerns received by the residents of the City via Phone Call, Email, or through the City App.	Between 100 – 200 requests per year
2	First Tier Speed Cushion/Speed Table Program	Evaluation of different corridors for Speed cushion/Speed Table installations.	Between 10 – 15 requests per year
3	Rectangular Rapid Flashing Beacons (RRFB)	RRFBs are requested at various locations in the city. Staff evaluates and installs based on priorities and budget availability.	About 10-20 per year
4	Blinking STOP signs	Signs requested at various intersections in city. Locations with limited visibility and limited or no street lighting may be converted to blinking.	About 5-10 per year
5	Speed Radar Feedback Signs	Additional speed radar feedback signs are requested for different locations in the city. Evaluations are made and speed radar feedback signs are installed based on their priority.	About 10-20 per year
6	Safe Routes to Schools	To evaluate various requests and concerns received from the school districts and implement as needed improvements after evaluations.	About 50 – 100 per year
7	Annual Public Works striping Refreshment	To use the annual striping refreshing project of Public Works Department to modify and improve existing striping on city’s roadway network.	varies
8	Annual CIP Pavement Program	To use the annual CIP pavement program to modify and improve existing striping on city’s roadway network.	varies
9	Preferential Parking District Program	Traffic staff manages the four preferential parking districts (permit parking) in the city. Receive and process applications, issue permits.	About 200 - 250 resident inquiries per year
10	Transportation Permit Program	Traffic staff evaluate the route heavy trucks will take on their routes in the City and issue transportation permits authorizing the use of the roadway network.	About 75 - 100 Transportation Permits per year



Engineering Department – Traffic Engineering Division

FY 23/24 Work Plan

Support for other City teams

#	Project Name	Description	Workload
11	Traffic Control Plan Reviews	To review Traffic Control Plans submitted to the Development Services Counter for various projects	About 500 per year
12	Traffic Impact Analyses Reviews	To review Traffic Impact Analyses submitted to the Development Services Department for various development projects.	About 50 per year
13	Permit Reviews	Reviews and evaluations for various permits citywide such as special events, outdoor dining, public improvement plans, etc.	About 50 per year
14	Mobility Element Update	To provide help and support to the Mobility Element project management team.	varies
15	Modal Alternatives Projects (MAP)	To provide help and support to the MAP project management team.	varies