

Engineering Department – Traffic Engineering

FY 22/23 Work Plan

The Engineering Department's Traffic Engineering Division is responsible for creating and implementing policy involving pedestrian, bicycle, and vehicular traffic movement. The division 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 comments and 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 Traffic Intern.

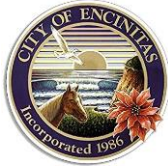
The City Traffic Engineer is an ex-officio member of the **Mobility and Traffic Safety Commission**. The Mobility and Traffic Safety Commission (MTSC) consists of seven City Council appointed members that study and report to the City Council on mobility and traffic safety matters referred to it by Council. The MTSC is an advisory Commission that is the liaison between the public and the City Council.

Traffic Engineering Goals for FY 22/23

- Complete 6 traffic studies or plans
- Complete 10 traffic improvement projects
- Complete Private Development Submittal Reviews within 2 weeks
- Complete Traffic Control Permit reviews within 15 working days

PLANS and STUDIES

#	Work Item Name	Description	Target Completion
1	ENTMP Update	Revise the Encinitas Neighborhood Traffic Management Program (ENTMP) and incorporate the First Tier Speed Cushion/Speed Table program	Spring '23
2	Vulcan Ave Walkway Analysis and Parking Eval.	Analysis of a walkway concept and study of parking capacity along the west side of Vulcan Ave	Fall '22
3	Solana Beach Border Xing	Evaluate options to add a pedestrian crossing for Cardiff State Beach by the Solana Beach border	Summer '23
4	La Costa Corridor analysis and Cross Section	Community meeting and further evaluation of cross section alternatives & traffic improvements	Fall '23
5	Downtown Parking increase	Evaluate adding parking downtown by converting parallel parking to diagonal on certain streets	Winter '23
6	Eolus and Hilcrest Neighborhood Circle evaluation	Evaluate the operation of the circle and provide information to the City Council	Fall '22
7	Saxony and QGD Traffic Calming & Improvements	Evaluate Saxony and Quail Gardens Drive for traffic calming measures and other safety and mobility enhancement opportunities	Spring '23
8	Rancho Santa Fe Traffic Calming	Lane narrowing, and signing and striping to add west side road enhancements	Summer '23



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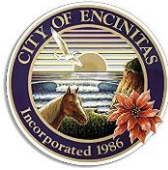
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NEW POLICIES

#	Work Item Name	Description	Target Completion
9	Use of Sharrows	Clarify the use of class III bikeways (sharrows) on different classifications of roads in Encinitas	Spring '23
10	Residential ADA Parking	Define the process of dedication of on-street parking spaces for ADA parking	Winter '23
11	Preferential Parking Districts	Implementing municipal code Chapter 14.41 PERMIT PARKING ZONES	Spring '23
12	Blinking Stop Signs	Guidance for implementation of Blinking Stop Signs	Winter '23
13	RRFB and Mi-Block Crossings	Guidelines for when and where to do mid-block crossings and RRFB	Spring '23

FY 22/23 TRAFFIC PROJECTS

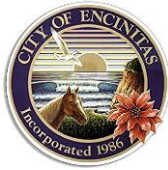
#	Project Name	Description	Approximate Funding	Fiscal year Target	Quick Build/ Vision Zero
14	Citywide Leading Pedestrian Intervals (CS22B)	Design to upgrade 170 signal controllers to 2070 controllers at 48 traffic signals. New signal timing plans will be prepared for Leading Pedestrian (LPI) and traffic signal systems will be upgraded for LPI operations. All crosswalks to be painted with high visibility continental crosswalks	\$1,234,500 (State Funds)	Complete Design: Spring '23	Vision Zero
15	Coast Highway 101 Separated Bike Lanes (CS22C)	Install separated bike lanes along Coast Highway 101 from Chesterfield Drive to K Street. Existing bike lanes will remain in both directions. Diagonal parking will increase parking capacity	\$1,550,000 (\$650,000 State Funds + \$900,000 General Funds)	Complete Construction: Summer '23	Vision Zero
16	La Costa Walkway west of Vulcan (CS11C)	Approximately 200' of DG path between Vulcan Ave and the bridge on La Costa Ave will connect the recently implemented All Way Stop Control intersection at Vulcan Ave and La Costa Ave to the existing walkway on the west side of the bridge	\$74,200 (\$56,200 General Funds + \$18,000 General Mobility)	Complete Construction: Fall '22	Quick Build/ Vision Zero



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17	El Camino Real Z Crossing (CS20G)	Construction of a mid-block Z-Crossing and traffic signal on El Camino Real south of Via Molena	\$592,000 (\$517,600 Federal Funds & \$74,400 General Funds)	Complete Construction Summer '23	Vision Zero
18	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 Cantebria, Village Pkwy, Vulcan Ave and San Elijo Ave	\$668,000 (All Federal Funds)	Complete Construction: Spring '23	Vision Zero
19	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	\$687,000 (\$487,000 Federal Funds + \$22,000 Traffic Mitigation + \$145,000 RTIP + \$33,000 GF)	Complete Construction Summer '23	Vision Zero
20	Sunset Dr Striping	Edge line striping along Sunset Dr & Sunset Dr/Orpheus intersection modifications and various pavement legends and striping modifications	\$5,000 (Traffic Safety & Calming)	Construction: Winter '22/23	Quick Build/ Vision Zero
21	Via Cantebria & Encinitas Blvd	EB Left-turn modifications – restriping and modification of intersection striping to enhance safety and improve mobility	\$10,000 (Traffic Safety & Calming)	Construction: Spring '23	Quick Build/ Vision Zero
22	Lazy Acres Median Work	Encinitas Blvd & Lazy Acres EB median and striping modifications to increase EB left turn capacity and enhance through capacity	\$20,000 (Traffic Safety & Calming)	Construction: Spring '23	Quick Build/ Vision Zero
23	Orpheus Speed Hump Modifications	Speed hump modifications along Orpheus Ave	\$20,000 (Traffic Safety & Calming)	Construction: Spring '23	Design Adjustment
24	Balour & Encinitas Blvd TS Modifications	Installation of bike loop and relocation of NB loops at the traffic signal to provide better detection for bicyclists	\$10,000 (Traffic Signal Modification)	Construction: Winter '22/23	Quick Build/ Vision Zero
25	Manchester Ave and San Elijo intersection Xing	Pedestrian crossing and ped connection at the intersection	\$80,000 (General Mobility)	Construction: Winter '23	Quick Build/ Vision Zero
26	Diegueno School Xing	Pedestrian crossing on Village Park Way by the school	\$15,000 (Safe Routes to School)	Construction: Winter '23	Quick Build/ Vision Zero
27	Birmingham Pedestrian Crossing at Via Cardiff	Pedestrian Crossing of Birmingham	\$30,000 (General Mobility)	Construction: Summer '23	Quick Build/ Vision Zero

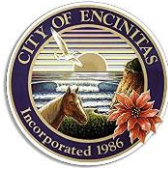


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On-Going Traffic Division Tasks

#	Project Name	Description	Workload
A	Neighborhood Tasks List	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
B	First Tier Speed Cushion/Speed Table Program	Evaluate different corridors for Speed cushion/Speed Table installations	Between 10 – 15 requests per year
C	Rectangular Rapid Flashing Beacons (RRFB)	Evaluate requests for RRFBs. Installation based on priorities and budget availability	About 10-20 per year
D	Blinking STOP signs	Evaluate requests for blinking stop signs 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
E	Speed Radar Feedback Signs	Evaluate requests for additional speed radar feedback signs at different locations in the city. Evaluations are made and speed radar feedback signs are installed based on their priority	About 10-20 per year
F	Safe Routes To Schools	Evaluate various requests and concerns received from the school districts and implement small projects as needed after evaluation	About 50 – 100 per year
G	Annual Public Works striping Refreshment	Evaluate Public Works’ annual striping refreshing project to modify and improve existing striping on city’s roadway network to improve mobility	Varies
H	Annual CIP pavement program	Evaluate the annual CIP pavement program to modify and improve existing striping on city’s roadway network to improve mobility	Varies
I	Preferential Parking District Program	Manage the two existing preferential parking districts (permit parking) in the city. Receive and process applications, issue permits. Evaluate new locations.	About 75 - 100 resident inquiries per year
J	Transportation Permit Program	Evaluate the routes heavy trucks will take in the City and issue transportation permits authorizing the use of the roadway network	About 75 - 100 Transportation Permits per year



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Support to Other City Teams

#	Project Name	Description	Workload
K	Traffic Control Plan Reviews	Review Traffic Control Plans submitted to the Development Services Counter for various projects	About 500 per year
L	Traffic Impact Analyses Reviews	Review Traffic Impact Analyses submitted to the Development Services Department for various development projects	About 50 per year
M	Various Permit Reviews	Review and evaluation for various permits citywide such as special events, outdoor dining etc	About 50 per year
N	Mobility Element Update	Provide help and support to the Mobility Element project management team	Varies
O	Modal Alternatives Projects (MAP)	Provide help and support to the MAP project management team	Varies