



Engineering Department – Capital Improvement Project Team

FY 22/23 Work Plan

The Engineering Department's Capital Improvement Division implements the City's Capital Improvement Program (CIP) that creates new City infrastructure and maintains existing infrastructure in a state of good repair. For each capital project, the CIP team manages planning, funding, design, right of way acquisition, consultant contracts, community outreach, environmental analysis, permitting, and construction. The CIP project portfolio is valued at ~\$200 million.

In addition to projects, the CIP team also prepares engineering studies that guide prioritization of future projects; monitors grant opportunities and completes grant applications; coordinates with other public agencies such as SANDAG, Caltrans, NCTD, SEJPA, utilities, and neighboring cities; and coordinates capital projects with private development projects. The Capital Improvement Project Team consists of a Principal Engineer, two Senior Engineers, 2 Associate Engineers and a limited term Streetscape Project Manager.

Goals for FY22/23:

- A. Meet with client departments to understand capital project needs (Respectful Partnerships)
- B. Develop prioritization for potential capital projects (Improvement and Efficiency)
- C. Regular updates to web pages for priority capital projects (Community Outreach)
- D. Complete construction on 4 capital projects that support Quality Transportation
- E. Complete construction on 6 capital projects that support Community Planning
- F. Submit 4 grant applications

TIERED CAPITAL IMPROVEMENT PROJECTS

#	Project Name	Description	July 2022 Status	Fully Funded (FF), Need Design Funding (NDF), Need CON Funding (NCF)	Milestone Targets	FY 22/23 Work/Goal
1	Leucadia Streetscape – Seg B & C Restriping (Basil to La Costa)	Segment B & C Restriping - Streetscape improvements on N. Coast Hwy 101 to create lane diet, and separate bike lane.	In Construction	FF	Complete CON: Winter 22/23	Complete Construction
2	Leucadia Streetscape – Segment C West Side Streetscape (Jupiter to La Costa)	West-side streetscape improvements on N. Coast Hwy 101. Project will construct 2 roundabouts and provide west-side sidewalk improvements and trees.	Completing Design	FF iBank Financing	Begin CON: Spring 2023	Begin Construction



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3	Leucadia Blvd Roundabout at Hygeia	Adjust road grades, construct roundabout and adjacent sidewalk improvements.	Design is Complete	NCF	CON: Pending Funding	Pursue Grants
4	Recreation Trails Development Fund - Trail 82	Trail 82 provides an 8' trail along the east side of Rancho Santa Fe Road from Encinitas Boulevard to El Camino Del Norte.	In Design	NCF	Complete DES: Spring 2023 Begin Utility DES: Spring 22/23 CON: Pending Funding	Complete Design
5	Santa Fe Dr Improvements (West)	Design and construction of pedestrian and bike improvements between I-5 and Bonita. A mid-block pedestrian signal at SDA.	Design is complete.	FF Partial HSIP Grant Funding	Begin CON: Spring 2023	Begin Construction
6	Santa Fe Dr Improvements (East)	Design and construction of pedestrian & bike improvements between Bonita & El Camino Real.	In Design	NCF Partial ATP Grant Funding	DES: Spring 2023 Begin CON: Fall '23	Complete Design
7	FY 21/22 Annual Street Overlay	Slurry and Overlay throughout the city.	Design is complete	FF	Begin CON: Summer '22	Complete Construction
8	FY 22/23 Annual Street Overlay	Slurry and Overlay selected streets throughout the city.	In Design	FF	DES: Winter 2022/23 Begin CON: Spring 2023	Complete Design Begin Const.
9	El Portal Ped/Bike Underpass Project	Construction of pedestrian and bike underpass of the rail corridor at El Portal that connects Vulcan to N101.	In Construction	FF	End CON: Summer '22	Complete Construction
10	Leucadia Drainage Study	Model of the watershed to determine existing conditions and provide recommendations for flood control and water quality improvements.	Reviewing Study	NDF	Final: Winter '22/23	Complete Study



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11	Birmingham Drive - Complete Streets	Rehabilitation of Birmingham Drive from I-5 to San Elijo Ave with utility undergrounding, pedestrian improvements, and complete streets elements.	Design is complete	NCF	DES/Permits: Winter '22/23 CON: Pending Funding	Complete Permitting, Pursue Grants
12	Verdi Pedestrian Undercrossing	Design and construction of pedestrian and bike underpass beneath the rail corridor.	Design is complete	NCF	DES: Winter '21-'22 CON: Pending Funding	Pursue Grants
13	Grandview Beach Stairs and Lifeguard Tower	Rehabilitate stairs accessing Grandview Beach, add lifeguard tower to the stairs.	Initiating Project	NCF	DES: Winter '23/24 CON: Pending Funding	Begin Design
14	Glen Park ADA Improvements	ADA upgrades to parking and access to public facilities	In Design	FF	DES: Spring '23 CON: Summer '23	Complete Design Begin CON
15	Quiet Zone	Design Quiet Zone improvements for D St, E St and Leucadia Boulevard	Initiating Project	NCF	Begin DES: Winter '22/23 CON: Pending Funding	Begin Design
16	Pacific View Site Improvements	Rehabilitate Pacific View Elementary School to meet ADA and Building Code requirements	Begin Construction	FF (Phase 1)	Begin CON: Fall '22	Begin Construction



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SAFETY/REPAIR/EMERGENCY PROJECTS						
#	Name	Description	July 2022 Status	Fully Funded (FF), Need Design Funding (NDF), Need CON Funding (NCF)	Milestone Targets	FY 22/23 Work/Goal
17	Leucadia At-Grade Crossings	Analysis and Concept Design of two at-grade rail crossings in Leucadia. Project includes coordination with CPUC for approval.	Analysis is underway	NCF	RFP: Summer '22 Concept Design: Spring '23	Complete Concept Design and Public Input
18	Beacon's Beach Parking Lot Shift	Redesign of parking lot to move the spaces east, out of the existing failure plane.	Design and Permitting	FF	DES/Permitting: Winter '22/23 CON: Spring '23	Begin Construction
19	San Elijo Bridge Abutment Repair	Fill the void behind the NE corner of the San Elijo Bridge abutment, seal the abutment and fix the pavement.	Pre-Construction	FF	Begin CON: Fall 2022	Complete Construction
20	Lake Drive Stormdrain Repair	Replace existing 48" CMP storm drain with 48" RCP storm drain and Detention Basin	Design	NCF	DES: Spring '23 Perm & ROW: TBD CON: Pending Funding	Complete Design; Continue Permitting



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GRANT & NON-GENERAL FUND CAPITAL PROJECTS						
#	Project Name	Description	July 2022 Status	Fully Funded (FF), Need Design Funding (NDF), Need CON Funding (NCF)	Milestone Targets	FY 22/23 Work
21	Moonlight Drainage Pipe Lining	Line 3 arched 72” CMP culverts underneath Moonlight Beach (need funding from State)	Design	FF	DES: Fall ‘22 CON: Spring ‘23	Complete Construction
22	Leucadia Highway 101 Pedestrian Crossing Signal (Diana St.)	HSIP funded pedestrian crossing signal. Project is coordinated with Leucadia Streetscape.	Construction	FF	End CON: Winter’22/23	Complete Construction
23	Leucadia Highway 101 - Pedestrian Crossing Signal (North Court)	HSIP funded pedestrian crossing signal. Project is coordinated with Leucadia Streetscape.	Construction	FF	End CON: Winter ‘22/23	Complete Construction
24	South Coast Highway 101 Walkway to Solana Beach	ADA compliant walkway from the South Cardiff State Beach to the City of Solana Beach border.	Design and Permitting	FF	DES: Summer ‘22 Begin CON: Spring ‘23	Complete Design and Begin CON
25	Olivenhain Trunk Sewer – Phase 1A	Trunk sewer manhole lining for 42 manholes.	In Construction	FF	End CON: Spring ‘23	Complete Construction
26	Olivenhain Trunk Sewer – Phase 2	Trunk sewer line work outside City ROW for parcels south of Rancho Santa Fe Road.	Acquire ROW	FF	Pending ROW	Pursue ROW



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27	Olivenhain Trunk Sewer – Phase 3	Trunk sewer line work outside City ROW for properties north of Rancho Santa Fe Road.	Acquire ROW	FF	Pending ROW	Pursue ROW
28	B Street Sewer Main and Manhole	Replace undersized sewer main on B Street and add new manhole.	Design is complete	FF	Begin CON: Fall '22	Complete Construction
29	Cottonwood Creek Sewer Facility Improvements	Replace existing above-ground Tee with a manhole, new pipe supports, rehabilitate two sewer mains, and improve access.	Design and Permitting	FF	DES: Fall '23 Begin CON: TBD	Continue Design & Permitting