

Appendix A: Comprehensive List of Projects

**City of Encinitas
Infrastructure Task Force
February 2024 Comprehensive List of Projects**

Overall Rank	Backlog / Annual Backlog / Future Need Rank	Project Name	Project Description	Department	Source	ROM Project Cost (Non-recurring)	Annual Cost	ROM Unfunded Cost Estimate (Unescalated)	Includes location on LRSP list of high fatalities and serious injuries
1	F1	Coastal Rail Trail, Interim: Vulcan Ped Path (Encinitas Blvd to La Costa, East Side of Tracks) [MAP Bike 1]	2.6 miles of interim DG Trail from Encintias Boulevard to La Costa Avenue	Engineering	MAP, CIP Presentation to ITF	\$ 2,100,000.00		\$ 2,100,000.00	Yes
2	F2	Leucadia Boulevard Sidewalk Infill (Neptune to Eolus) [MAP Rank 6, MAP Pedestrian #11]	The western terminus of this project is about 100 feet from beach access to Leucadia State Beach, also known as Beacons. The sidewalk infill project will create recreational beach access to communities west of the Interstate 5. The Mobility Element Street Typology identifies Leucadia Boulevard as an Urban Village Collector. The project limits are Neptune Ave to Eolus Ave. Retaining walls will be required. This project aims to create pedestrian access to the beach. The estimated GHG reduction is 0.2 tons.	Engineering	MAP	\$ 3,100,000.00		\$ 3,100,000.00	Yes
3	F3	Encinitas Blvd Multi-use Path (West) (Moonlight Beach to Saxony) [MAP Rank 4, MAP Bike #29]	Class I multi-use path from Moonlight Beach (near 5th St) to Saxony Rd. This would connect to the potential Encinitas Boulevard Multi-use Path (East) project.	Engineering	MAP	\$ 4,000,000.00		\$ 4,000,000.00	Yes
4	F4	Quail Gardens Dr Class IIB /Westlake St Class II Bike Lanes (Leucadia to Requeza) [MAP Rank 2, MAP Bike #23]	A Class IIB (bicycle lane with buffer) facility on Quail Gardens Drive from Leucadia Boulevard to Encinitas Boulevard and a Class II (bicycle lane) on Westlake Street from Encinitas Boulevard to Requeza Street will result in a 1.6-mile dedicated bicycle facility. This will provide north-south bicycle connectivity east of I-5 and will connect to residential neighborhoods and multiple adjacent planned bikeways. Identified Quail Gardens Drive and Westlake Street as Suburban Collectors, by the Mobility Element Street Typology. This project aims to create north-south connectivity east of I-5. The estimated GHG reduction is 3.7 tons.	Engineering	MAP	\$ 7,200,000.00		\$ 7,200,000.00	Yes
5	F5	Manchester Avenue Class II Bike Lanes (Via Poco to Encinitas Blvd) [MAP Rank 3, MAP Bike #43]	A Class II bike lane on Manchester Avenue from Via Poco to Encinitas Boulevard will provide north-south connectivity for the eastern portion of the City, and will connect to residential neighborhoods, a commercial node, and hiking trails. The Mobility Element Street Typology identifies Manchester Avenue from the I-5 to El Camino Real as a Suburban Connector (Major), and as rural Collector from El Camino Real to Encinitas Boulevard. This project aims to provide safer connectivity on Manchester Avenue. The estimated GHG reduction is 10.8 tons.	Engineering	MAP	\$ 5,800,000.00		\$ 5,800,000.00	Yes
6	B1	Electric Fleet Vehicles (30+) (incl. Plug-In Electric Fire Engine) & EV Charging for City Fleet/Facilities (CAP Measure MCET-1)	Future need of 30+ light duty vehicles, medium/heavy duty, and fire engines, as well as EV charging at community center, fire stations, wastewater, and expansion. This project is related to the Advanced Clean Fleets legislation passed in 2023 which mandates the 100% transition of municipal fleets to zero-emission vehicles by 2035.	Public Works	Public Works Presentation to ITF	\$ 7,000,000.00		\$ 7,000,000.00	N/A
7	F6	Coast Highway 101 Sidewalk Infill (A St to Marcheta)	Fill in 0.5-miles of sidewalk between El Portal St and A st. This cost removes the area that will be completed by private development.	Engineering	MAP	\$ 300,000.00		\$ 300,000.00	Yes
8	F7	Coast Highway 101 Sidewalk Infill (Chesterfield Dr to South Cardiff)	Fill in 0.9-miles of sidewalk between Chesterfield Dr and ~600 ft north of South Cardiff Beach	Engineering	MAP	\$ 1,600,000.00		\$ 1,600,000.00	Yes

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9	F8	Leucadia At-Grade Crossings [Donut Chart JJ: Rail Safety Study At-Grade Crossings (Leucadia)]	There is a high volume of pedestrian and cyclist activity in the area, but there is a 1.3-mile gap without a safe, legal place to cross the railroad tracks. This project would construct two crossing locations at Grandview/Hillcrest and Glaucus. These locations were selected based on community input gathered through the City's Cross Connect study. This project will require coordination with North County Transit District (NCTD) and BNSF Railway; and requires approval from the California Public Utilities Commission (CPUC).	Engineering	Donut Chart	\$ 6,000,000.00		\$ 6,000,000.00	No
10	F9	USACE 50-Year Storm Damage Reduction Project (San Diego County, CA Project)	This project will improve public safety in the study area by reducing the threat of life-threatening bluff failures caused by wave action against the bluff base as well as reduce coastal storm damages to property and infrastructure along the study area shoreline and the bluff top, prior to the need for emergency action. It will also reduce coastal erosion and shoreline narrowing to improve recreational opportunities for beach users within the study area. Beach fill for 7,800 feet of shoreline from Beacon's to D Street. The primary goal of the San Diego County Storm Damage Reduction Project is to add sand to the eroding shoreline, with the aim of attenuating waves that further erode the coastal bluffs and providing more useable beach sand for safer beach conditions. The Project is a collaboration between the U.S. Army Corps of Engineers (USACE) and the cities of Solana Beach and Encinitas, with receiver sites located in both cities. In Encinitas, the Project involves the construction of a 50-foot-wide beach fill using 340,000 cubic yards of compatible sand borrow from offshore, with renourishment every 5 years on average over a 50-year period.	Development Services	Coastal Management Presentation to ITF	\$ 50,000,000.00		\$ 50,000,000.00	N/A
11	F10	Vulcan Avenue/Coast HWY 101 & Encinitas Boulevard Pedestrian Scramble [MAP Rank 10, MAP Pedestrian #69]	This project would install a pedestrian scramble at the intersection of Vulcan Avenue/Coast Highway 101 and Encinitas Boulevard.	Engineering	MAP	\$ 1,120,000.00		\$ 1,120,000.00	Yes
12	F11	Coastal Rail Trail (Encinitas Blvd to La Costa, East Side of Tracks)	The coastal rail trail currently runs from Chesterfield Dr to Santa Fe Dr. Santa Fe to the train station is funded. Train station to Encinitas Blvd is existing sidewalk. This project would create a new trail Encinitas Blvd to La Costa Ave.	Engineering	CIP Presentation to ITF	\$ 16,000,000.00		\$ 16,000,000.00	Yes
13	F12	La Costa Avenue Pedestrian Path Construction (I-5 to 101)	Construction of 0.5 miles of 4-foot-wide decomposed granite pedestrian path, buffered bike lanes, and twelve new ADA compliant curb ramps.	Engineering	CIP Presentation to ITF	\$ 700,000.00		\$ 700,000.00	No
14	AB1	CMP Lining/Replacement (All City)	124 CMP Storm Drain lines needing maintenance. CMP pipes are subject to corrosion, which can lead to pipe failure and sinkholes.	Engineering	CMP Presentation to ITF		\$ 480,000.00	\$ 4,800,000.00	N/A

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15	B2	Fire Station #1 Replacement	The station was built in 1957, making it the oldest station. The station exhibits significant cracking in Concrete Pavement showing lack of structural support. The structure exhibits signs of aging and fatigue. The hose tower is unreinforced masonry and in poor condition, which compromises the integrity of the structure. Settling at the southeast end of the building may impact the sewage line. The exterior surface finish is deteriorating, and the exterior wood trim displays cavitation. Window louvers have rotting frames which allows heavy air and moisture leakage. The roof is recommended to be replaced between 2021 and 2024. There are trespassing and vandalism problems due to issues with the roof. The electrical system has aged since 1957. Plumbing throughout the station is old and presents maintenance issues. The age of the fire station and its infrastructure does not provide an energy efficient business mode. Solar Panels, LED lighting, and energy efficient appliances are needed. The bathroom and shower areas are communal which limits diversity, equity, and inclusion efforts.	Fire	Fire Presentation to ITF	\$ 20,000,000.00		\$ 20,000,000.00	N/A
16	B3	Fire Station #6	Requires a new fire station more centrally located (ideally in Olivenhain), a type 1 Fire Engine (\$1.2M), Type 3 Fire Engine and an Engineer to the current staffing model. It is located in privately owned commercial strip mall which means the fire department could be given a 90-day notice to vacate at any time with no alternatives. Rent is \$9,000 per month. It does not allow for diversity, equity, and inclusion initiatives, since there is only one bathroom. History of asbestos and black mold issues. The hose and pump capacity of the current fire engine is not sufficient to fight fires. Location important for addressing wildfire hazards.	Fire	Fire Presentation to ITF	\$ 14,200,000.00		\$ 14,200,000.00	N/A
17	B4	Lake Drive Storm Drain Replacement [Donut Chart HH]	Replacement of 2,000 feet of corrugated metal pipe from Lake Drive to Interstate 5 to maintain state of good repair. This project will replace the existing metal storm drain which runs through the bottom of the canyon with underground reinforced concrete pipe. Twelve new permanent inlets and a detention basin will be added just downstream of Lake Drive to reduce storm flow velocities and flooding. An access roadway will be constructed along the new pipe to allow access for maintenance of the new structures and detention basin. The project will also reconnect existing trails and restore habitat for sensitive vegetation and species in the area.	Engineering	Donut Chart	\$ 7,000,000.00		\$ 7,000,000.00	N/A
18	AB2	Drainage Projects (Annual Project/Citywide)	Annual ongoing maintenance for drainage projects.	Public Works	Public Works Presentation to ITF		\$ 100,000.00	\$ 1,000,000.00	N/A
19	F13	Nardo Road Sidewalk Infill From Melba Rd to Santa Fe Dr (West Side) [MAP Rank 9, MAP Pedestrian #45]	This project would construct sidewalk on the western side of Nardo Road. Given that Nardo Road abuts San Dieguito Academy High School, this is an area with a significant amount of pedestrian activity.	Engineering	MAP	\$ 800,000.00		\$ 800,000.00	No
20	F14	Saxony Road Sidewalk Infill (La Costa to Leucadia Blvd) [MAP Ranks 7 & 20, MAP Bike #4 & #8]	This project will create a continuous sidewalk from La Costa Ave to Leucadia Blvd by adding a missing sidewalk on the east side of Saxony Rd for approximately 1,000 feet south of La Costa Avenue, as well as building sidewalk from just north of Qual Drive to Leucadia Blvd. La Costa Avenue has sidewalks from the intersection with Saxony Road to just west of Interstate 5, as well as east to the intersection with El Camino Real and beyond. Saxony Road also has a sidewalk which begins at the southern terminus of this project. The mobility Element Street Typology identifies Saxony Road as a Suburban Collector. This project aims to fill the missing gap in the sidewalk network and create greater north-south intra-community connectivity.	Engineering	MAP	\$ 1,355,900.00		\$ 1,355,900.00	No

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21	F15	Leucadia Streetscape Segment A South (A Street to Marcheta) [Donut Chart DD]	Construct sidewalk widening, minor drainage improvements, street furniture, street lighting, landscaping, and DG trail on west side of RR tracks to improve multi-modal transportation along the coastal corridor. Project limits on North Coast Highway 101 from A Street to Marcheta.	Engineering	Donut Chart	\$ 6,000,000.00		\$ 6,000,000.00	Yes
22	F16	Leucadia Streetscape Segment B (Basil to Jupiter) [Donut Chart EE]	Construct sidewalk widening, minor drainage improvements, street furniture, street lighting, landscaping, and DG trail on west side of RR Tracks to improve multi-modal transportation along the coastal corridor. Project limits on North Coast Highway 101 from Basil to Jupiter.	Engineering	Donut Chart	\$ 25,000,000.00		\$ 25,000,000.00	Yes
23	B5	Fire Station #4 Replacement	Exhibits minor concrete cracking and structure members are old and deteriorating. Siding on the fire house displays significant degradation. Siding touches concrete slab promoting mold growth from built up moisture. Roof tiles were in need of minor repair in 2014, this is still the case today. Falling tiles present a hazard. Replacement of the flat asphalt roof was recommended between 2011 and 2014. The HVAC system is due for replacement in 2020 and the electrical system has aged since 1979. Multiple slab leaks and sewer issues have occurred over the last 10 years. Interior finishes are old, deteriorating, and not aesthetically pleasing. Moisture damage from exterior deterioration, plumbing, and sewer issues have created a mismatch of interior finishes. The bathroom and shower areas are communal which limits diversity, equity, and inclusion efforts. The age of the fire station and its infrastructure does not provide an energy efficient business mode. Solar Panels, LED lighting, and energy efficient appliances are needed.	Fire	Fire Presentation to ITF	\$ 20,000,000.00		\$ 20,000,000.00	N/A
24	F17	Rossini Drive, & Stafford Avenue/Cambridge Avenue Sidewalk Infill [MAP Rank 12, MAP Pedestrian #55]	Sidewalk infill on Rossini Dr between Manchester Ave and Montgomery Dr and on Stafford Ave/Cambridge Ave between Brighton Ave and Rossini Dr.	Engineering	MAP	\$ 214,400.00		\$ 214,400.00	No
25	F18	Orpheus Ave Bike Facilities Class I (La Costa to Leucadia Vllg) Class II (Leucadia Vlg to Vulcan) [MAP Rank 19, MAP Bike 19]	0.4-mile Class I Multi-Use Path from La Costa Ave to Leucadia Village Dr, and a 1.5-mile Class II bike facility on Orpheus Ave between Leucadia Village Dr and Vulcan Ave.	Engineering	MAP	\$ 2,136,500.00		\$ 2,136,500.00	No
26	F19	Rancho Santa Fe Road (Calle Santa Catalina to Encinitas), Cole Ranch Road (Chelsea to Lone Jack) Trail [MAP Rank 32, MAP Pedestrian #32]	Trail improvements on Rancho Santa Fe Rd from Calle Santa Catalina to Encinitas Blvd/Rancho Santa Fe Rd and on Cole Ranch Rd from Chelsea Ln to Lone Jack Rd.	Engineering	MAP	\$ 192,900.00		\$ 192,900.00	Yes
27	F20	ADA Curb Ramp Project (Annual Project/Citywide) [Donut Chart Annual]	Construction of ADA compliant curb ramps throughout the city.	Engineering	Donut Chart		\$ 50,000.00	\$ 500,000.00	N/A
28	F21	Sidewalk Infill and Trail Improvements on San Elijo Ave and Dublin Dr [MAP Rank 13, MAP Pedestrian #60]	Trail on San Elijo Ave between Chesterfield Dr and Manchester Ave; sidewalk infill on San Elijo Ave between Orinda Dr and Norfolk Dr; Sidewalk infill on Dublin Dr between San Elijo Ave and Manchester Ave; Sidewalk Infill on San Elijo Dr between Kilkenny Dr and Manchester Ave.	Engineering	MAP	\$ 282,800.00		\$ 282,800.00	No
29	AB3	Annual Street Overlay and Slurry Project Increase [Donut Chart Annual]	Each year, the City uses a pavement management software to analyze over 168 miles of City maintained roadway to identify which segments are in need of resurfacing. Treatment may include either an overlay or a slurry seal to maintain pavement quality. There is currently a back log of \$75M of streets needing resurfacing, leading to a downward trend in citywide pavement quality without increased funding.	Engineering	Donut Chart		\$ 7,000,000.00	\$ 70,000,000.00	N/A
30	F22	Lake Drive Sidewalk Infill (Santa Fe to Woodgrove) [MAP Rank 11, MAP Pedestrian #52]	Sidewalk infill between Santa Fe Dr and ~750ft south of Woodgrove Dr.	Engineering	MAP	\$ 200,000.00		\$ 200,000.00	No

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31	F23	San Elijo Ave Class II Bike Project (Chesterfield to Kilkenny) Class III (Kilkenny to Manchester) [MAP Rank 4, MAP Bike #66]	A Class II bicycle lane on San Elijo Avenue from Chesterfield Drive to Kilkenny Drive and sharrows from Kilkenny Drive to Manchester Avenue will improve safety for cyclists by giving them dedicated space in the roadway. The Mobility Element Street Typology identifies San Elijo Avenue as a Residential Neighborway. This project aims to formalize the presence of bicycles in the roadway and improve safety for this stretch of San Elijo Avenue.	Engineering	MAP	\$ 3,900,000.00		\$ 3,900,000.00	No
32	F24	Melba Road (Balour to Crest) & Balour Drive (Melba to Santa Fe) Sidewalk Infill [MAP Rank 28, MAP Pedestrian #49]	Sidewalk infill on Melba Rd from Balour Dr to Crest Dr and on Balour Dr from Melba Rd to Santa Fe Dr.	Engineering	MAP	\$ 179,200.00		\$ 179,200.00	No
33	F25	Safe Routes to School Sidewalk Program (Annual Project) [Donut Chart Annual]	Implement mobility improvements near schools based on safe routes to school evaluations.	Engineering	Donut Chart		\$ 200,000.00	\$ 2,000,000.00	N/A
34	B6	Local Road Safety Plan & Vision Zero Improvement Projects	The Local Road Safety Plan (LRSP) lists locations throughout the City with high rates of traffic incidents and provides recommendations to improve safety. This project would include the analysis and project implementation. Failure to complete the LRSP would make the City ineligible for future Highway Safety Improvement Program (HSIP) grant funding.	Engineering	CIP Presentation to ITF	\$ 4,000,000.00		\$ 4,000,000.00	N/A
35	F26	F Street/Requeza Street Sidewalk Infill (Vulcan to Devonshire) [MAP Rank 26, MAP Pedestrian #33]	Sidewalk infill between Vulcan Ave and Devonshire Dr.	Engineering	MAP	\$ 130,000.00		\$ 130,000.00	No
36	F27	Quail Gardens Drive Sidewalk Infill (Ecke Ranch to Kristen Ct)	0.4-miles of sidewalk infill from Ecke Ranch Rd to Kristen Court.	Engineering	MAP, Housing Element (Council Feedback)	\$ 250,000.00		\$ 250,000.00	Yes
37	F28	Scoup-Sand Compatibility Opportunistic Use Program	Use of sand compatible sediment on beaches from both private and public development project to reconstruct the shoreline. Need to set up a program where the costs are shared by the City and or private developer and/or paid for through private development as a condition on projects having 20,000 cubic yards or more. Cost savings would be \$200k or more.	Development Services	Coastal Management Presentation to ITF		\$ 150,000.00	\$ 1,500,000.00	N/A
38	F29	Rail Corridor Cross Connect Grant (And Implementation) [Donut Chart MM]	The Cross Connect Implementation Plan determined 20 potential projects on the LOSSAN rail corridor to ultimately provide quarter-mile spacing between crossings. The 20 projects consist of 8 crossings providing east-west access across the rail corridor and adjacent roadways, as well as 12 connectors to complete network gaps and facilitate access to the crossing locations.	Engineering	Donut Chart	\$ 74,030,000.00		\$ 74,030,000.00	N/A
39	B7	North Coast Highway 101 Drainage Improvements (North End) [Donut Chart X]	1.5 miles of new 66" stormwater mainline under North Coast Highway 101 to store runoff, larger inlets to drain roadway faster, new inlets at local low points, green street improvements to improve water quality	Engineering	Donut Chart	\$ 18,900,000.00		\$ 18,900,000.00	N/A
40	F30	SANDAG Regional Beach Sand Project (RBSP III)	Pump dredged sand onto the state beach to replenish eroded beaches. Cost based on frontage and sand quantity received.	Development Services	Coastal Management Presentation to ITF	\$ 1,500,000.00		\$ 1,500,000.00	N/A

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41	F31	Citywide Rail Corridor Quiet Zone [Donut Chart FF]	The aim of a quiet zone is to reduce noise around pedestrian- and roadway-rail grade X-ings for nearby residents/businesses. A quiet zone is a section of a rail in which train horns are not routinely sounded when trains are approaching a grade crossing. Quiet zones do not eliminate the use of train bells at crossings. Because the absence of a train horn increases the risk of a crossing incident, an analysis is done to measure that risk and assess whether additional safety measures may be needed. Quiet Zone Crossings at: <ul style="list-style-type: none"> • Leucadia Blvd. roadway crossing • Encinitas Station pedestrian crossing • East D Street roadway crossing • East E Street roadway crossing • Verdi/Montgomery Avenue proposed pedestrian crossing 	Engineering	Donut Chart	\$ 11,000,000.00		\$ 11,000,000.00	N/A
42	B8	Scout House Upgrade for ADA Accessibility	Renovate building for ADA compliance, which allows for increased usage.	Parks & Rec	Parks & Rec Presentation to ITF	\$ 350,000.00		\$ 350,000.00	N/A
43	F32	Leucadia Blvd Roundabout at Hygeia (Roundabout and Pedestrian Improvements) [Donut Chart Y and Donut Chart Z]	This project will construct a roundabout at Leucadia Blvd & Hygeia Ave in Leucadia. The intersection will be regraded to provide a flatter road profile for the roundabout. The project includes landscape enhancements and sidewalk improvements. Benefits include improved safety for vehicles and cyclists by eliminating left turns and reducing conflict points, better pedestrian mobility through the corridor, improved traffic flow by removing the existing stop sign, enhanced aesthetics through new landscaping, trees, and improved street lighting, and reduced greenhouse gases by eliminating required stopping.	Engineering	Donut Chart	\$ 5,400,000.00		\$ 5,400,000.00	Yes
44	F33	Birmingham Drive Complete Streets [Donut Chart AA]	Design and construction of a new sidewalk on both sides of Birmingham Drive from Carol View Road to San Elijo Avenue, landscaping, improved street lighting, and a roundabout at the Newcastle Avenue and Birmingham Drive intersection. The project includes undergrounding of utilities on Birmingham Drive over the project length to improve accessibility for pedestrians and overall project aesthetics. Design features provide for stormwater treatment through landscaped rain gardens.	Engineering	Donut Chart	\$ 12,000,000.00		\$ 12,000,000.00	Yes
45	B9	Jason Street Drainage Improvements [Donut Chart CC]	The Jason Street Drainage Project is located at the intersection of North Vulcan Avenue and Jason Street in the Leucadia community. This location is a local low point where ponding water impacts the roadway, adjacent rail line, and access to homes and businesses after a rain event. This project will provide a new drainage inlet and catch basin on Vulcan Avenue and connect it to the existing drainage infrastructure on North Coast Highway 101. This project will reduce the frequency and intensity of flooding.	Engineering	Donut Chart	\$ 650,000.00		\$ 650,000.00	N/A
46	F34	Saxony Road Sidewalk Infill (Leucadia Blvd to Silver Berry)	Install 0.6-miles of sidewalk infill on Saxony Road where gaps exist on both sides of the street from Leucadia Blvd to 160' south of Saxony Place. This project encompasses MAP Ped #21 with project limits from Leucadia Blvd to Silver Berry PI and was extended to 160' south of Saxony PI based on Council feedback.	Engineering	MAP, Housing Element (Council Feedback)	\$ 1,200,000.00		\$ 1,200,000.00	Not analyzed - project was removed
47	F35	Energy Efficiency and Solar Photovoltaic Systems at City Facilities (5) (CAP Measures MBE-1 and MRE-1) - Public Works	Install energy efficiency measures and solar at all major facilities throughout the city, including City Hall, community and senior center, public works, library, and fire stations. Energy savings over time would repay some upfront cost.	Public Works	Public Works Presentation to ITF	\$ 20,000,000.00		\$ 20,000,000.00	N/A

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48	F36	Santa Fe Drive Corridor Improvements (Roundabout at Crest and Other enhancements) [Donut Chart W]	The eastern phase runs along a 3,500 linear foot section of Santa Fe Drive from Evergreen Dr to El Camino Real. The project will focus on connection to schools & will improve mobility for pedestrians, bicyclists, & vehicular traffic, while also improving safety & connectivity. Improvements include the construction of new bikeways (separated where possible), and new sidewalks, storm water management measures through new landscaping and trees, and educational outreach and active transportation encouragement activities for SDUHSD students. The project will also construct new curb, gutter, AC berm and driveways. Drainage improvements will improve runoff capture and conveyance, and new bioretention cells will be constructed to improve water quality. The project will result in improved mobility and safety throughout the entire corridor, including access to schools, through new bikeways and sidewalks and intersection improvements.	Engineering	Donut Chart	\$ 2,000,000.00		\$ 2,000,000.00	No
49	F37	San Elijo Lagoon Annual Dredging	One dredging event annually at the inlet only. Dredged sand is reused for beach restoration and living shoreline projects.	Development Services	Coastal Management Presentation to ITF		\$ 50,000.00	\$ 500,000.00	N/A
50	B10	North Coast Highway 101 Drainage Improvements (Segment A)	Leucadia Streetscape Segment A South major drainage improvements on North Coast Highway 101 from A Street to Marcheta.	Engineering	Donut Chart	\$ 2,000,000.00		\$ 2,000,000.00	N/A
51	F38	Saxony Road Realignment	Calle Magdalena and Saxony Road are offset intersections, near the interchange. The intersections both experience congestion and are especially challenging for cyclists. This project would align Saxony Road with Calle Magdalena into one standard intersection. Cost includes \$34M of ROW acquisition, \$5M demo, and \$7M construction and soft costs.	Engineering	Council Feedback	\$ 46,000,000.00		\$ 46,000,000.00	Yes
52	F39	Batiquitos Lagoon Dredging	Occurs every 3-5 years. Cost depends on volume. Coordinated with California Department of Fish and Wildlife as the lead agency, with contributions from Carlsbad and Encinitas.	Development Services	Coastal Management Presentation to ITF		\$ 170,000.00	\$ 1,700,000.00	N/A
53	B11	D Street Access Refurbishment	Repair and replace structural components of the beach staircase, which was built in 1989.	Parks & Rec	Parks & Rec Presentation to ITF	\$ 517,000.00		\$ 517,000.00	N/A
54	F40	Public EV Charging Stations (200-400) (Supports CAP Measures CET-4 and CET-5)	Install EV charging throughout the City to encourage EV ownership in alignment with the EV charging master plan. Includes 250 Level 2 stations and 50 DC Fast Stations.	Development Services	CAP Presentation to ITF	\$ 20,000,000.00		\$ 20,000,000.00	N/A
55	F41	Microtransit Study and Program	Neighborhood electric vehicles that offer on-demand service within a defined service area. Includes microtransit study and program implementation.	Development Services	CAP Presentation to ITF	\$ 235,000.00	\$ 1,500,000.00	\$ 15,235,000.00	N/A
56	B12	Vulcan Ave Drainage Improvements	Address flood control and water quality deficiencies from Q3 model of the watershed.	Engineering	CIP Presentation to ITF	\$ 30,000,000.00		\$ 30,000,000.00	N/A
57	F42	Cardiff State Beach Living Shoreline Project	Construction of a vegetated dune to meet flood and roadway damage prevention objectives utilizing sand from San Elijo Lagoon dredging.	Development Services	Coastal Management Presentation to ITF		\$ 100,000.00	\$ 1,000,000.00	N/A
58	F43	Crest Drive Trail (ECR to Melba) [MAP Rank 24, MAP Pedestrian #50]	0.3-mile trail on Crest Dr from El Camino Real to Melba Road.	Engineering	MAP	\$ 100,000.00		\$ 100,000.00	No
59	F44	Verdi Pedestrian Crossing [Donut Chart BB]	This project will provide a pedestrian & bicycle undercrossing beneath the rail corridor and will build a connection between San Elijo Ave & S101. Undercrossing pathways will intersect & cross the Coastal Rail Trail.	Engineering	Donut Chart	\$ 18,000,000.00		\$ 18,000,000.00	No

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60	B13	Encinitas Community Center Gym	Update electrical and light fixtures. The department has received complaints from seniors that the lighting is substandard and dangerous. All of the electrical is out of date, meaning they cannot install new equipment, including the basketball hoops. The gym is extremely popular and open 7 days a week.	Parks & Rec	Parks & Rec Presentation to ITF	\$ 150,000.00		\$ 150,000.00	N/A
61	B14	4th Street Storm Drain Project (Sylvia to 4th)	Install storm drain pipe along 4th and Sylvia St in Leucadia to reduce flooding just north of B St in Leucadia. Currently, ponded water must be pumped out or slowly evaporate.	Engineering	CIP Presentation to ITF	\$ 2,500,000.00		\$ 2,500,000.00	N/A
62	F45	Innovative Bike Lanes (Annual Project/Citywide) [Doughnut Chart Annual]	Implement bike lanes as needed.	Engineering	Donut Chart		\$ 25,000.00	\$ 250,000.00	N/A
63	AB4	Traffic Safety and Calming (Annual Project/Citywide) [Donut Chart Annual]	Implement traffic safety and calming upgrades as needed based on evaluations.	Engineering	Donut Chart		\$ 75,000.00	\$ 750,000.00	N/A
64	AB5	Storm Drain Repair (Annual Project) [Donut Chart Annual]	Implement storm drain repairs as needed.	Engineering	Donut Chart		\$ 500,000.00	\$ 5,000,000.00	N/A
65	F46	Power Line Multi-use Path (Garden View to Willowspring) [MAP Rank 25, MAP Bike #36]	Class I multi-use path from Garden View Dr and Willowspring Dr.	Engineering	MAP	\$ 7,451,000.00		\$ 7,451,000.00	No
66	F47	San Elijo Bridge Sidewalk	Add a new sidewalk on the west side to complement the cycle track. Sidewalk would cantilever onto the bridge following bridge improvements.	Engineering	CIP Presentation to ITF	\$ 2,500,000.00		\$ 2,500,000.00	Yes
67	F48	Rancho Santa Fe Roundabouts	Construction of a roundabout, landscape enhancements, and sidewalk improvements at the intersections of Rancho Santa Fe Rd & Lone Jack Rd and Rancho Santa Fe Rd & El Camino del Norte.	Engineering	CIP Presentation to ITF	\$ 8,000,000.00		\$ 8,000,000.00	Yes
68	F49	Traffic Signal and Median Improvements at Sage Canyon Dr/El Camino Real Intersection	Construct a traffic signal and median roadway improvements.	Development Services	Housing Element (Council Feedback)			\$ -	Yes
69	F50	Solana Beach 101 Crosswalk/Signal [Donut Chart KK: S Coast Highway 101 Pedestrian Crossing & Mobility Enhancements at Solana Beach]	Construct a crossing between the Solana beach border and the State Beach parking lot. One pedestrian count showed 200 people crossing a day without a crosswalk. This project is in collaboration with the City of Solana Beach. A consultant is currently studying options for a midblock pedestrian crossing & other mobility enhancements along S Coast Hwy 101 near the entrance to Cardiff State Beach.	Engineering	Donut Chart	\$ 500,000.00		\$ 500,000.00	No
70	B15	Facilities Condition Assessment and Implementation	Update Facilities Condition Assessment and Implementation. Last updated in 2014.	Public Works	Public Works Presentation to ITF	\$ 6,400,000.00		\$ 6,400,000.00	N/A
71	F51	Pedestrian Bridge Near San Elijo Avenue (Upper Bluff to Pole Road Trail) [MAP Rank 13, MAP Pedestrian #60]	Bridge from near San Elijo Ave to Upper Bluff and Pole Rd Trail.	Engineering	MAP	\$ 10,000,000.00		\$ 10,000,000.00	No
72	F52	Grandview Lifeguard Tower IT Infrastructure	Provides computer and phone connectivity for Marine Safety staff. Prerequisite - streetscape fiber complete.	IT	IT Presentation to ITF	\$ 250,000.00		\$ 250,000.00	N/A
73	F53	Shared Fire and Sheriff Training Tower	A training tower is a specialized structure used in firefighting training to simulate various emergency scenarios and provide practical training for firefighters. Currently, the closest available training towers are approximately 30-60 minutes away. This could drastically increase response time for a major fire event. It also leads to reduced training opportunities.	Fire	Fire Presentation to ITF	\$ 1,000,000.00		\$ 1,000,000.00	N/A
74	AB6	IT Security Controls (Future)	Increased funding for new security tools each year. Threats are increasing in scope, quantity, and complexity. Increased use of Automation in security tools. Partnerships with other SOCs, CISOs, and Security teams. Training and Incident Response Exercises.	IT	IT Presentation to ITF		\$ 100,000.00	\$ 1,000,000.00	N/A

Overall Rank	Backlog / Annual Backlog / Future Need Rank	Project Name	Project Description	Department	Source	ROM Project Cost (Non-recurring)	Annual Cost	ROM Unfunded Cost Estimate (Unescalated)	Includes location on LRSP list of high fatalities and serious injuries
75	B16	Community & Senior Center Renovations	External and internal renovations to include exterior painting, lighting, restrooms, reconfiguring etc.	Parks & Rec	Parks & Rec Presentation to ITF	\$ 5,000,000.00		\$ 5,000,000.00	N/A
76	B17	Leo Mullen Turf Replacement	Synthetic turf replacement at the end of the serviceable life. Affects the playability of the field.	Parks & Rec	Parks & Rec Presentation to ITF	\$ 680,000.00		\$ 680,000.00	N/A
77	F54	General Mobility Improvements (Annual Project/Citywide) [Donut Chart Annual]	Implement ongoing mobility improvements as needed.	Engineering	Donut Chart		\$ 300,000.00	\$ 3,000,000.00	N/A
78	B18	N. Vulcan Ave Buffered Class II Bike Lanes and Sidewalk	Provide buffered Class II bike lanes (both sides) and sidewalk on Vulcan Avenue (east side) from La Costa Avenue to 550' south of La Costa Avenue.	Development Services	Housing Element (Council Feedback)			\$ -	No
79	F55	100% Affordable		Public Works	Housing Element (Council Feedback)			\$ -	No
80	B19	Swami's Beach Staircase Access Refurbishment [Donut Chart NN: Beach Staircase Access Refurbishment (Swami's)]	Repair and replace structural components. Integrate Swami's Lifeguard Tower with existing fiber optic connection at Encinitas Blvd. and F St. Replace wireless connection for Traffic Control Box at Swami's/Santa Fe Ped Xing.	Engineering	Donut Chart	\$ 700,000.00		\$ 700,000.00	N/A
81	F56	Zero Trust Architecture	Hybrid workforce security - expands security beyond the network perimeter. Continuous authentication and verification. Large professional services overhead while permission levels are reviewed and planned.	IT	IT Presentation to ITF	\$ 200,000.00	\$ 18,000.00	\$ 380,000.00	N/A
82	B20	Leucadia Blvd. / I-5 Bridge Rail Repair [Donut Chart OO]	Caltrans provided repair recommendations in a Bridge Inspection Report in 2022 to repair spalling concrete & rust on the bridge railing. The rust is due to rebar air exposure due to cracks in the concrete. While not an immediate safety threat, if left in this condition it could structurally compromise the bridge. A methacrylate seal will also be applied to the deck due to observed cracks.	Engineering	Donut Chart	\$ 500,000.00		\$ 500,000.00	N/A
83	F57	Coastal Maintenance Projects	Ongoing maintenance/reporting for beach counter program, beach habitat studies, Beacon's Beach bluff restoration program, and Ocean Cove outfall monitoring.	Development Services	Coastal Management Presentation to ITF		\$ 100,000.00	\$ 1,000,000.00	N/A
84	AB7	Playground Replacement	Replace playgrounds as they reach the end of their serviceable life to ensure the health, safety, and welfare of the users. Approximately 8 years of replacement backlog. Some were built in the 1990's.	Parks & Rec	Parks & Rec Presentation to ITF	\$ 3,000,000.00	\$ 100,000.00	\$ 4,000,000.00	N/A
85	F58	Trail 82 on Rancho Santa Fe Road (Encinitas Blvd to El Camino Del Norte) [Donut Chart GG: Recreational Trails Development (Trail 82 - Rancho Santa Fe Road)]	This project will incorporate existing trail elements along the east side of Rancho Santa Fe Rd and provide a multi-use trail that connects Encinitas Blvd to Camino Del Norte. Trail 82 consists of a DG trail that runs 4,900 ft long. It will have a composite fence that runs the length of it on the traffic adjacent side.	Engineering	Donut Chart	\$ 5,000,000.00		\$ 5,000,000.00	No
86	B21	South Coast Highway 101/San Elijo Lagoon Bridge Replacement	In the last Caltrans study, the bridge rated 60.4/100. It was also given a structurally deficient status. The San Elijo Bridge provides multi-modal access into the City of Encinitas along the coast for cars, bicyclists, and pedestrians. While not an immediate safety risk, deferral of this work would likely have multimodal impacts to circulation.	Engineering	CIP Presentation to ITF	\$ 17,000,000.00		\$ 17,000,000.00	N/A

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87	F59	Coast Highway 101 Fiber - B St. to LA COSTA	Conduit and pullbox installation included in initial construction phases. Fiber optic cable installation and termination still needed. Replaces wireless connections for Traffic Control Boxes at Leucadia and La Costa. Connectivity point for future fiber splices and tech projects.	IT	IT Presentation to ITF	\$ 200,000.00		\$ 200,000.00	N/A
88	F60	I-5 Cloverleaf Interchange (Leucadia Blvd at Piraeus)	Upgrade the existing interchange to a cloverleaf interchange to eliminate the left-turn conflicts with through vehicles.	Engineering	Council Feedback	\$ 100,000,000.00		\$ 100,000,000.00	Yes
89	F61	La Costa Pedestrian Bridge over Rail Corridor	This project would widen the existing bridge to provide a wider pedestrian path.	Engineering	CIP Presentation to ITF	\$ 2,000,000.00		\$ 2,000,000.00	No
90	AB8	Traffic Signal Modifications & Upgrades (Annual Project/Citywide) [Donut Chart Annual]	Ongoing signal upgrades to replace equipment or modify operations as needed.	Engineering	Donut Chart		\$ 50,000.00	\$ 500,000.00	N/A
91	F62	Fire Station #3 IT Circuit	Replace leased circuit at Fire Station 3 with city-owned. Eliminate monthly ISP fee. Expand number of physical supported networks from 1 to 3.	IT	IT Presentation to ITF	\$ 100,000.00		\$ 100,000.00	N/A
92	F63	Union Street DG Pedestrian Path	Construct a decomposed granite (DG) pedestrian path. North side of Union Street from Saxony Road to terminus at I-5 (approx. 1,260').	Development Services	Housing Element (Council Feedback)			\$ -	No
93	F64	Rail Corridor Trenching at Leucadia Boulevard	Underground the rail to below-grade from El Portal to La Costa Bridge. Cost includes preliminary engineering, environmental analysis, design, permitting, and construction.	Engineering	CIP Presentation to ITF	\$ 80,000,000.00		\$ 80,000,000.00	N/A
94	F65	San Elijo Lagoon Full Dredging	Full lagoon dredging.	Development Services	Coastal Management Presentation to ITF	\$ 500,000.00		\$ 500,000.00	N/A
95	B22	La Costa Bridge Replacement	The structural health condition summary rated the bridge deck, superstructure, and substructure in good or fair condition. However, the deck geometry was rated as "basically intolerable requiring high priority of replacement" due to the bridge width in relation to the volume of average daily traffic.	Engineering	CIP Presentation to ITF	\$ 9,000,000.00		\$ 9,000,000.00	No
96	F66	I-5 Pedestrian Bridge (near Union St)	Pedestrian bridge crossing the I-5 at Union St using the proposed Union St Multi-Use Path.	Engineering	MAP*	\$ 12,000,000.00		\$ 12,000,000.00	No
97	F67	Saxony Road/Union Street Intersection Improvements: Option B (Mini-Roundabout)	Roundabout/traffic circle at the existing T-intersection.	Development Services	Housing Element (Council Feedback)			\$ -	No
98	AB9	Facility Maintenance	Maintenance for Encinitas Community Park, El Portal Undercrossing, and Pacific View	Public Works	Public Works Presentation to ITF		\$ 250,000.00	\$ 2,500,000.00	N/A
99	AB10	Habitat Stewardship Program	Ongoing stewardship of open space and habitat. Includes trash, weed control, access control, fire prevention, and erosion. Also includes removal of invasive plants and replacement with native plants.	Parks & Rec	Parks & Rec Presentation to ITF		\$ 100,000.00	\$ 1,000,000.00	No

Overall Rank	Backlog / Annual Backlog / Future Need Rank	Project Name	Project Description	Department	Source	ROM Project Cost (Non-recurring)	Annual Cost	ROM Unfunded Cost Estimate (Unescalated)	Includes location on LRSP list of high fatalities and serious injuries
100	F68	Hippie Hill Restoration	Landscaping and pedestrian access, including trails	Parks & Rec	Council Feedback	\$ 2,000,000.00		\$ 2,000,000.00	No
101	F69	City Hall	Tear down the existing city hall, and build a new one with mixed use. NCTD is interested in a parking structure and microtransit stop. The City may partner with a developer who would sell or lease some retail space to reduce cost. The new structure would likely be multiple stories to accommodate mixed uses, which would affect the cost.	Public Works	Council Feedback	\$ 40,000,000.00		\$ 40,000,000.00	No
102	F70	Pacific View Future Project	Future improvements to the Pacific View development. Landscaping & Trees, Parking lot/Stormwater, Furnishings, Finishes, and Equipment (FFE)	Engineering	Council Feedback	\$ 2,000,000.00		\$ 2,000,000.00	
103	F71	Coastsnap Beach Monitoring Program Expansion	Survey-photo/shoreline trace and analysis, calibration ground survey, shoreline processing, reporting for 8 installations.	Development Services	Coastal Management Presentation to ITF	\$ 240,000.00		\$ 240,000.00	N/A
104	B23	Cardiff Sports Park Backstop Replacements	Replace and modernize the backstops on fields 1 & 2. Affects the playability of the field.	Parks & Rec	Parks & Rec Presentation to ITF	\$ 125,000.00		\$ 125,000.00	N/A
105	F72	I-5 Cloverleaf Interchange (Birmingham)	Upgrade the existing interchange to a cloverleaf interchange to eliminate the left-turn conflicts with through vehicles.	Engineering	Council Feedback	\$ 100,000,000.00		\$ 100,000,000.00	
106	F73	I-5 Cloverleaf Interchange (Encinitas Blvd)	Upgrade the existing interchange to a cloverleaf interchange to eliminate the left-turn conflicts with through vehicles.	Engineering	Council Feedback	\$ 100,000,000.00		\$ 100,000,000.00	
107	F74	I-5 Cloverleaf Interchange (La Costa Avenue)	Upgrade the existing interchange to a cloverleaf interchange to eliminate the left-turn conflicts with through vehicles.	Engineering	Council Feedback	\$ 100,000,000.00		\$ 100,000,000.00	
108	F75	I-5 Cloverleaf Interchange (Santa Fe Drive)	Upgrade the existing interchange to a cloverleaf interchange to eliminate the left-turn conflicts with through vehicles.	Engineering	Council Feedback	\$ 100,000,000.00		\$ 100,000,000.00	
109	F76	Encinitas Community Park Sports Courts	Design and construction of additional sport courts, including sand volleyball and pickleball courts.	Parks & Rec	Parks & Rec Presentation to ITF	\$ 1,250,000.00		\$ 1,250,000.00	N/A
110	F77	Swami's State Marine Conservation Area (Smca) Ambassador's Program With Nature Collective	The Swami's Marine Conservation Area is run by the California Department of Fish and Wildlife. Educational outreach would include utilizing Fish and Wildlife staff at various events.	Development Services	Coastal Management Presentation to ITF		\$ 15,000.00	\$ 150,000.00	N/A
111	B24	Park Monument Signs	Refurbishment or replacement of approximately 40 unique monument signs.	Parks & Rec	Parks & Rec Presentation to ITF	\$ 250,000.00		\$ 250,000.00	N/A
112	F78	Encinitas Library Community Room	Upgrade lighting track and gallery lighting for better visibility and less repairs.	Parks & Rec	Parks & Rec Presentation to ITF	\$ 125,000.00		\$ 125,000.00	N/A
113	F79	Leo Mullen Sport Lighting	Planning, design and construction to install permanent sports field lighting. May include amending the Specific Plan and Proposition A ballot. This would allow for longer operating hours.	Parks & Rec	Parks & Rec Presentation to ITF	\$ 1,400,000.00		\$ 1,400,000.00	N/A

Total \$ 1,310,994,700.00
Yearly Total \$ 131,099,470.00