

Appendix E

Project List

2045 Regional Transportation Plan (RTP) Project List

Constrained and Unconstrained Projects - Not Escalated

Projects listed by lead agency, in alphabetical order by project name. Project IDs without the letter "P" in front of the number have been also included in the Regional Transportation Improvement Program (RTIP). Projects with constrained funding are priority projects that could be funded with revenues anticipated through 2035 and 2045 including dedicated and already programmed funds. While some projects have secured funding, this amount does not typically represent committed funds. Unconstrained represents the amount of project cost that would need additional funding in order to be implemented.

All figures in \$1,000s (thousands of dollars). Costs in 2020 dollars.

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
<i>Bike Santa Cruz Co</i>								
Project PASEO - Open Streets, Earn-a-Bike, Pop Up Bike Lanes, Slow Streets	VAR 02	Slow Streets temporary barricades and signage on neighborhood streets aimed at increasing space for walking and biking, reducing speeds and cutthrough traffic. Open Streets community events temporarily open roadways to bicycle and pedestrian travel only, diverting automobiles to other roadways. Earn-a-bike program provides bikes, tools, safety supplies, as well as bike repair, cycling safety, and nutrition education middle school students. Pop-up bike lanes is a temp demo of a protected bicycle lane. (est. \$120k/yr)	\$50	\$0	\$0	\$50	\$2,950	\$3,000
Santa Cruz County Open Streets	VAR-P40	Community events promoting alternatives to driving alone as part of a sustainable, healthy, and active life-style. Temporarily opens roadways to bicycle and pedestrian travel only, diverting automobiles to other roadways.(Average cost ~ \$25k/event)	\$50	\$100	\$100	\$250	\$2,250	\$2,500
Bike Santa Cruz Co Total Cost			\$100	\$100	\$100	\$300	\$5,200	\$5,500

Caltrans

Collision Reduction & Emergency Projects	CT-P46	Various SHOPP projects that address collision reduction, mandates (including stormwater mandates) and emergency projects. (Constrained=30% of total cost).	\$22,088	\$135,000	\$134,276	\$291,364	\$680,605	\$971,969
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Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Countywide Highway Rumble Strips and Restriping	CT-P57	Install both centerline and edge line rumble strips and restripe with thermoplastic stripe routes 9, 1, 17, 25, 129 and 156 in SCZ and SB counties. (EA 05-1M330)	\$0	\$4,761	\$0	\$4,761	\$0	\$4,761
CZU August Lightning Complex Fire Recovery	CT-P66	Remove fire debris, burned trees, replace guardrail, drainage systems, timber wall lagging, and signs on Routes 1, 9 and 236 at various locations. (EA 05-1M650)	\$14,800	\$0	\$0	\$14,800	\$0	\$14,800
Highway Preservation (bridge, roadway, roadside)	CT-P45	Various SHOPP projects that address bridge preservation, roadway & roadside preservation and some mobility improvements. (Constrained=30% of cost to maintain). Includes repaving, culverts, etc.	\$21,440	\$115,000	\$137,572	\$274,012	\$504,890	\$778,902
Hwy 1 Capital Maintenance (SR 9 to north of Western Drive)	CT-P74	Preserve pavement and replace 87 ADA ramps as needed. EA 05-1M110	\$0	\$10,400	\$0	\$10,400	\$0	\$10,400
Hwy 1 Drainage Improvements	CT-P64	Rehabilitate drainage systems and lighting, install Transportation Management System (TMS) elements, pave areas behind the gore and construct Maintenance Vehicle Pullouts (MVPs) to reduce maintenance and enhance highway worker safety. (EA# 1K640) *SB1	\$0	\$16,554	\$0	\$16,554	\$0	\$16,554
Hwy 1 Long Toed Salamander Mitigation	CT-P75	Long Toed Salamander mitigation partnering (Main St interchange in Watsonville to north of Larkin Valley Rd interchange)	\$0	\$2,800	\$0	\$2,800	\$0	\$2,800
Hwy 1 Replace Culverts	CT-P55	Safety updates to replace culverts. (EA 05-1K0600)	\$0	\$13,080	\$0	\$13,080	\$0	\$13,080
Hwy 1 Roadside Safety	CT-P65	Rehabilitate drainage systems, enhance highway worker safety, replace lighting and install Transportation Management System (TMS) elements. (EA# 1J960) *SB1	\$0	\$24,021	\$0	\$24,021	\$0	\$24,021
Hwy 1 Soquel Creek Scour Protection	CT-P56	Place Rock Slope Protection (RSP) to protect bridge foundation. (EA 05-1H480)	\$7,703	\$0	\$0	\$7,703	\$0	\$7,703
Hwy 129 Capital Maintenance	CT-P79	Preserve pavement, rehabilitate 6 drainage systems. (Salsipuedes Creek to Old Chittenden Road)	\$0	\$12,500	\$0	\$12,500	\$0	\$12,500

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Hwy 129 Paving, Sign Panels, Lighting, TMS Improvement	CT-P63	Rehabilitate pavement and lighting, replace sign panels, and install Transportation Management System (TMS) elements. (EA# 1J830) *SB1	\$0	\$16,851	\$0	\$16,851	\$0	\$16,851
Hwy 152 Corralitos Creek ADA	CT-P61	Construct accessible pathway, concrete barrier, retaining wall, curb, gutter and sidewalk to meet Americans with Disabilities Act (ADA) standards. (EA 05- 1F620)	\$0	\$7,452	\$0	\$7,452	\$0	\$7,452
Hwy 17 Capital Maintenance (SR 1 to Vine Hill School Road area)	CT-P78	Preserve pavement, upgrade median barrier, install 12 TMS. EA 05-1F760	\$0	\$17,200	\$0	\$17,200	\$0	\$17,200
Hwy 17 Drainage Improvements	CT-P73	Construct and install stormwater quality Best Management Practices (BMPs) and rehabilitate drainage systems. EA 05-1K670	\$0	\$9,502	\$0	\$9,502	\$0	\$9,502
Hwy 17 Jarvis Slide Rock Fence	CT-P58	Construct rock fence / barrier at Jarvis Slide. (EA 05-1K070)	\$7,438	\$0	\$0	\$7,438	\$0	\$7,438
Hwy 17 Paving	CT-P70	Grind pavement and place Hot Mix Asphalt (HMA), apply High Friction Surface Treatment (HFST), and contrasting surface treatment (south of Mt Hermon Road to 0.6 mile north of Glenwood Drive). EA 05-1M730	\$0	\$8,563	\$0	\$8,563	\$0	\$8,563
Hwy 17 Wildlife Crossing	CT 33	Construct wildlife undercrossing north of Laurel Road (EA 05-1G260). 60 foot long single span bridge will extend from the existing Laurel Road Sidehill Viaduct (Br. No. 36-0111) on the west side of Route 17 to the east. The final product will provide a 16 foot wide natural soil bottom wildlife crossing under Route 17 with side slopes to the abutment faces. The wildlife under-crossing will slope downward to the west. A minimum vertical clearance of 10 feet will be provided.	\$5,155	\$0	\$0	\$5,155	\$0	\$5,155
Hwy 236 Drainage and System Upgrades in Boulder Creek	CT-P80	Drainage System and TMS upgrades	\$0	\$13,400	\$0	\$13,400	\$0	\$13,400
Hwy 236 Hazardous Tree Removal	CT-P67	Remove hazardous trees and fire debris near Boulder Creek, from Forest Drive to 2.2 miles south of Route 9. (EA 05-1M790)	\$15,625	\$0	\$0	\$15,625	\$0	\$15,625

Project Title	ID	Project Description/Scope	Financially Constrained Costs				Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained		
Hwy 236 Heartwood Hill Embankment Restoration	CT-P71	Construct retaining wall to stabilize slope, widen shoulder, repair pavement, improve drainage systems and install erosion control. EA 05-1M450	\$0	\$4,855	\$0	\$4,855	\$0	\$4,855
Hwy 9 Capital Maintenance (CapM)	CT-P76	Preserve pavement, rehabilitate 5 drainage systems, install 2 TMS. (El Solyo Heights in Felton to north of SR 1 in Santa Cruz). EA 05-1K890	\$0	\$26,400	\$0	\$26,400	\$0	\$26,400
Hwy 9 Capital Maintenance North	CT-P77	Preserve pavement, reconstruct guardrail, rehabilitate 6 drainage systems. (Saratoga Toll Rd in Boulder Creek to SR 35/county line). EA 05-1K900	\$0	\$9,200	\$0	\$9,200	\$0	\$9,200
Hwy 9 Felton Pedestrian Safety Improvements	CT 09	Construct pedestrian path on Route 9 from the San Lorenzo Valley (SLV) High School to the intersection of Graham Hill Rd/Felton-Empire, plus signage and crosswalk improvements between Kirby St and Graham Hill Road. EA 05-1M400	\$0	\$15,800	\$0	\$15,800	\$0	\$15,800
Hwy 9 Hairpin Tieback at PM19.97	CT-P68	Construct Soldier Tieback Retaining Wall near Boulder Creek about 1.1 mile south of Junction 236/9. EA 05-1K130	\$7,630	\$0	\$0	\$7,630	\$0	\$7,630
Hwy 9 PM 1.0 and 4.0 Viaduct	CT-P62	Construct sidehill viaducts, restore roadway and facilities, provide erosion control. (EA 05-1K120)	\$0	\$19,962	\$0	\$19,962	\$0	\$19,962
Hwy 9 San Lorenzo River Bridge & Kings Creek Bridge Replacement	CT-P59	Replace bridges to maintain standards of safety and reliability. (EA 05-1H470)	\$29,047	\$0	\$0	\$29,047	\$0	\$29,047
Hwy 9 Upper Drainage and Erosion Control Improvements	CT-P60	Replace failed culverts systems and construct energy dissipaters. (EA 05-1G950)	\$0	\$14,435	\$0	\$14,435	\$0	\$14,435
Hwy 9 Viaduct Wall Extension	CT-P54	Construct side hill viaduct extension with cutoff retaining wall, restore roadway and facilities, and install permanent erosion control. (EA 05-1K060)	\$6,910	\$0	\$0	\$6,910	\$0	\$6,910

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
Minors	CT-P47	Various small SHOPP projects (less than \$1 million) that reduce/enhance maintenance efforts by providing minor operational, pavement rehab, drainage, intersection, electrical upgrades, landscape and barrier improvements. (Constrained=30% of total cost).	\$160	\$1,040	\$2,300	\$3,500	\$7,750	\$11,250
Pedestrian Signals #2: Hwys 1 and 129	CT-P69	Install Accessible Pedestrian Signal (APS) push buttons, Countdown Pedestrian Signal (CPS) heads, pedestrian barricades, and crosswalk signage to improve pedestrian and bicycle safety. (Project in MON, SCR, SLO and SB counties, PPNO2628).	\$4,580	\$0	\$0	\$4,580	\$0	\$4,580
Caltrans Total Cost			\$142,576	\$498,776	\$274,148	\$915,500	\$1,193,245	\$2,108,745
<i>CHP - California Highway Patrol</i>								
Hwy 1 Safety and Bus on Shoulder Enforcement	CHP-P04	Additional CHP enforcement and public education campaign when new bus on shoulder facilities operational (anticipate 4 years of enforcement).	\$100	\$150	\$0	\$250	\$0	\$250
Hwy 129 Safety Program	CHP-P03	Additional CHP enforcement and public education campaign on Highway 129.	\$0	\$0	\$0	\$0	\$500	\$500
Hwy 17 Safety Program (Safe on 17)	CHP 01	Continuation of Highway 17 Safety Program in Santa Cruz County. Includes public education and awareness, California Highway Patrol (CHP) enhancement, pilot cars, electronic speed signs.	\$300	\$1,950	\$1,500	\$3,750	\$3,750	\$7,500
Traffic Management	CHP-P02	Patrol of state route system and unincorporated roadways aimed at minimizing traffic collisions and traffic delays; and provide assistance to motorists. COST EST TBD.	\$0	\$0	\$0	\$0	\$0	\$0
CHP - California Highway Patrol Total Cost			\$400	\$2,100	\$1,500	\$4,000	\$4,250	\$8,250
<i>City of Capitola</i>								
40th Ave (at Deanes Ln)Bike/Ped connection	CAP-P46	40th Avenue N/S bike/pedestrian connection at Deanes Lane.	\$10	\$0	\$0	\$10	\$0	\$10

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
40th Ave/Clares St Intersection Improvements	CAP-P38	Widen intersection and signalize.	\$500	\$0	\$0	\$500	\$1,050	\$1,550
41st Ave (Highway 1 South to City Limits) Crosswalks	CAP-P47	Evaluate and if found necessary, increase number of crosswalks on 41st to closer to every 300 ft.	\$100	\$0	\$0	\$100	\$0	\$100
41st Ave Rehabilitation (Cory St to Clares St)	CAP 22	Reconstruct pavement on 41st Ave, enhance bike facilities with possible buffered bike lanes.	\$0	\$1,000	\$0	\$1,000	\$0	\$1,000
41st Ave/Capitola Road Intersection Reconstruction	CAP 20	Reconstruct intersection and reconfigure signal phasing. Vehicular, pedestrian and bicycle lane markings at intersections will be updated to meet the latest complete streets guidelines. Where necessary all pedestrian ramps will be modified to meet current ADA requirements.	\$415	\$0	\$0	\$415	\$0	\$415
46th/47th Ave (Clares to Cliff Dr) Bike Lanes/Traffic Calming	CAP-P40	46th/47th from Clares to Portola/Cliff - Add traffic calming and wayfinding signage to connect to Brommer and MBSST.	\$20	\$0	\$0	\$20	\$0	\$20
47th Avenue Traffic Calming and Greenway	CAP-P30	Traffic calming and traffic dispersion improvements along 47th Ave from Capitola Rd to Portola Drive and implementation of greenway, which gives priority to bicycles and pedestrians on low volume, low speed streets including, pedestrian facilities, way finding and pavement markings, bicycle treatments to connect to MBSST.	\$0	\$100	\$0	\$100	\$0	\$100
Bay Avenue Traffic Calming and Bike/Ped Enhancements	CAP-P29	Traffic calming features along Bay Avenue from Highway 1 to Monterey Avenue, including left turn pocket, buffered pedestrian facilities and bicycle treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) to address speed inconsistency between bicyclists and vehicles.	\$0	\$0	\$0	\$0	\$410	\$410
Bay Avenue/Capitola Avenue Intersection Modifications/Roundabout	CAP 16	Multimodal improvements to intersection. Roundabout.	\$500	\$0	\$0	\$500	\$1,000	\$1,500

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Bay Avenue/Hill Street Intersection	CAP-P07	Intersection improvements to improve traffic flow. Roundabout.	\$0	\$210	\$0	\$210	\$0	\$210
Bay Avenue/Monterey Avenue Intersection Modification	CAP-P32	Multimodal improvements to the intersection. Include signalization or roundabout along with pedestrian, bicycle treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) and transit access.	\$0	\$310	\$0	\$310	\$0	\$310
Brommer/Jade/Topaz St Bike Lanes/Traffic Calming (Western City Limit on Brommer to 47thAve)	CAP-P41	Add buffered bike lanes, traffic calming and wayfinding signage and bike/ped priority crossing at 41st Ave, connecting the two N/S neighborhood greenways.	\$0	\$20	\$0	\$20	\$0	\$20
Capitola Intra-City Rail Trolley	CAP-P18	Construct & Operate Weekend Rail Trolley Service. Project includes installation of 3 stations.	\$0	\$0	\$0	\$0	\$14,460	\$14,460
Capitola Jitney Transit Service	CAP-P15	Purchase and operate local transit service.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
Capitola Mall (Capitola Rd to Clares) Bike Path	CAP-P48	Separated bicycle facility through Capitola Mall parking lot to connect 38th Ave bike lanes and 40th Ave.	\$50	\$0	\$0	\$50	\$0	\$50
Capitola Rd & 45th Avenue I/S Improvements	CAP-P53	Signalization or other LOS improvements	\$0	\$400	\$0	\$400	\$0	\$400
Capitola Street Pavement Management	CAP 19	Capitola Street Pavement Management- includes 41st Avenue, Clares Street, Bay Avenue, Capitola Road and numerous residential streets including but not limited to 42nd, 47th, 48th, Fanmar, Diamond, and Ruby Court.	\$1,450	\$0	\$0	\$1,450	\$0	\$1,450
Capitola Village Enhancements: Capitola Ave	CAP-P34	Multimodal enhancements along Capitola Avenue.	\$350	\$0	\$0	\$350	\$400	\$750
Capitola Village Multimodal Enhancements - Phase 2/3	CAP-P04b	Multimodal enhancements in Capitola Village along Stockton Ave, Esplanade, San Jose Ave, & Monterey Av. Includes sidewalks, bike lanes, bike lockers, landscaping, improve transit facilities, parking, pavement rehab and drainage.	\$0	\$0	\$0	\$0	\$3,100	\$3,100

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
Capitola-wide HOV priority	CAP-P50	Evaluate HOV priority at signals and HOV queue bypass.	\$0	\$40	\$0	\$40	\$0	\$40
Citywide Bike Projects	CAP-P52	Bike projects based on needs identified through the Bicycle Plan. These projects are in addition to projects listed individually in the RTP.	\$0	\$300	\$100	\$400	\$630	\$1,030
Citywide General Maintenance and Operations	CAP-P06	Ongoing maintenance, repair, and operation of road/street system within the City limits. (Const=\$1850K/yr; Unconst=\$150K/yr).	\$4,104	\$26,676	\$35,520	\$66,300	\$3,750	\$70,050
Citywide Sidewalk Program	CAP-P51	Install sidewalks to fill gaps. Annual Cost \$50k/yr.	\$100	\$350	\$300	\$750	\$500	\$1,250
Citywide Traffic Calming	CAP-P17	Install traffic calming/neighborhood livability improvements.	\$0	\$0	\$0	\$0	\$1,136	\$1,136
Clares St Bike Lanes/Sharrows (Capitola Rd to 41st Ave)	CAP-P42	Evaluate and if found necessary, add bike lanes/sharrows to Clares.	\$100	\$0	\$0	\$100	\$0	\$100
Clares Street Pedestrian Crossing west of 40th Ave	CAP-P16	Construct signalized ped x-ing 0.20 miles west of 40th Ave.	\$0	\$250	\$0	\$250	\$270	\$520
Clares Street Traffic Calming: Phase I	CAP 11	Implementation of traffic calming measures. Includes rapid-rectangular flashing beacons (RRFB) at crosswalks to improve pedestrian visibility, narrowed vehicle lanes and new buffered bike lanes along the corridor, and pavement rehab and restriping of 41st Ave/Clares St intersection.	\$1,350	\$0	\$0	\$1,350	\$250	\$1,600
Clares Street Traffic Calming: Phase II	CAP 11b	Implementation of traffic calming measures: bike enhancements & pavement rehab. (See CAP 11 for Phase I-2022)	\$0	\$925	\$0	\$925	\$0	\$925
Cliff Drive Improvements	CAP-P05	Installation of sidewalks, pedestrian crossing and slope stabilization of embankment including seawall.	\$0	\$0	\$0	\$0	\$1,550	\$1,550
Gross/41st Ave Bicycle Intersection Improvement	CAP-P44	Bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) from Gross E/B to 41st N/B.	\$100	\$0	\$0	\$100	\$100	\$200

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
Kennedy Drive Sidewalk	CAP 21	Construct approximately 550 feet of sidewalk along eastbound/south side of Kennedy Drive. Includes curb and gutter, retaining walls, and ADA curb ramps.	\$223	\$0	\$0	\$223	\$0	\$223
Monterey Avenue and Park Avenue I/S Improvements	CAP-P56	Signalization or other LOS improvements	\$0	\$0	\$0	\$0	\$500	\$500
Monterey Avenue at Depot Hill	CAP-P28	Improve vehicle ingress and egress to Depot Hill along Escalona Ave and improve pedestrian facilities.	\$0	\$260	\$0	\$260	\$0	\$260
Monterey Avenue Multimodal Improvements	CAP-P12	Installation of sidewalks and bike lanes in area near school and parks.	\$0	\$360	\$0	\$360	\$0	\$360
Park Avenue/Kennedy Drive Improvements	CAP-P09	Construct intersection improvements, especially for bikes/peds. May include traffic signal.	\$0	\$360	\$0	\$360	\$0	\$360
Porter Street and Highway 1 I/S Improvements	CAP-P55	Add additional dedicated right turn lane on Porter St to northbound on ramp	\$0	\$250	\$0	\$250	\$0	\$250
Stockton Ave Bridge Rehab	CAP-P07p	Replace bridge with wider facility that includes standard bike lanes and sidewalks.	\$0	\$1,500	\$0	\$1,500	\$1,500	\$3,000
Stockton Avenue and Capitola Avenue I/S Improvements	CAP-P57	Signalization or other LOS improvements	\$0	\$500	\$0	\$500	\$0	\$500
Upper Capitola Avenue Improvements	CAP-P03	Installation of bike lanes and sidewalks on Capitola Av. (Bay Av.-SR 1) and sidewalks on Hill St. from Bay Av. to Rosedale Av.	\$500	\$0	\$0	\$500	\$840	\$1,340
Upper Pacific Cove Parking Lot Pedestrian Trail and Depot Park Metro Development	CAP 17	Construct pedestrian pathway along City owned Upper Pacific Cove Parking lot, adjacent to rail line (680'). Includes new signal for ped crossing at Monterey Avenue. Includes a new bus shelter located and landscaped setting along the rail corridor at Park Ave. Part of MBSST.	\$743	\$0	\$0	\$743	\$0	\$743
Wharf Road and Stockton Avenue I/S Improvements	CAP-P54	Signalization or other LOS improvements	\$0	\$350	\$0	\$350	\$0	\$350

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Wheelchair Access Ramps	CAP-P27	Install wheelchair access/curb cut ramps on sidewalks citywide.	\$50	\$150	\$0	\$200	\$0	\$200
City of Capitola Total Cost			\$10,665	\$34,311	\$35,920	\$80,896	\$32,476	\$113,372

City of Santa Cruz

Advance Dilemma Zone Detection and Retroreflective Signal Back Plate Upgrades	SC-P135	Install advanced dilemma Zone traffic signal detection and upgrade signal heads with retroreflective back plate and yellow/orange border.	\$1,258	\$0	\$0	\$1,258	\$0	\$1,258
Frederick St Park Accessible Ramp to Harbor	SC-P137	Install multi-use accessible ramp from park to Harbor to improve access	\$0	\$300	\$0	\$300	\$1,000	\$1,300
Elwy 1 Mission St at Fair Ave Intersection Modification	SC-P136	Install Traffic Signal with left-turn lane (NB) to reduce congestion and improve safety.	\$700	\$0	\$0	\$700	\$0	\$700
Almar Ave Sidewalks	SC-P126	Fill gaps in sidewalks and access ramps to improve pedestrian safety.	\$0	\$200	\$0	\$200	\$0	\$200
Arroyo Seco Trail (Medar St to Grandview St)	SC-P107	Pave existing gravel trail and widen and pave connection to Grandview St.	\$0	\$0	\$0	\$0	\$500	\$500
Bay Street Corridor Modifications	SC-P77	Intersection modifications on Bay St Corridor from Mission St to Iowa/Nobel Dr, including widening at the Mission St northeast corner and widening on Bay. Improve bike lanes and add sidewalks to west side of Bay.	\$0	\$0	\$970	\$970	\$4,130	\$5,100
Bay/California Traffic Signals	SC-P96	Install traffic signals and roundabouts for safety and capacity improvements.	\$1,100	\$0	\$0	\$1,100	\$0	\$1,100
Bay/High Intersection Modification	SC-P109	Install a roundabout or modify the traffic signal to include protected left-turns and new turn lanes. Revise sidewalks, access ramps and bike lanes as appropriate.	\$0	\$2,150	\$0	\$2,150	\$0	\$2,150
Beach/Cliff Intersection Signalization	SC-P93	Signalize intersection for pedestrian and train safety.	\$0	\$210	\$0	\$210	\$0	\$210

Financially Constrained Costs

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Branciforte Creek Pedestrian Path Connections	SC-P95	Fill gaps in pedestrian and bike paths along and across Branciforte Creek in the Ocean-Lee-Market-May Streets area.	\$0	\$0	\$0	\$0	\$3,410	\$3,410
Brookwood Drive Bike and Pedestrian Path	SC-P21	Provide 2-way bicycle and pedestrian travel.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
Chestnut St. Pathway	SC-P22	Install a Class 1 bicycle/pedestrian facility to connect the east side of Neary Lagoon Park with the Depot Park path.	\$0	\$0	\$0	\$0	\$570	\$570
Chestnut Street Bike Lanes	SC-P47	Install Class 2 bike lanes to provide connection from existing bike lanes on Laurel Street and upper Chestnut Street to proposed Class 1 bike path connections to Bay Street and Pacific Avenue/Beach Street.	\$0	\$0	\$0	\$0	\$100	\$100
Chestnut Street St Storm Drain and Paving Rehab and Safety Improvements	SC 52	Rehab pavement, install bike/ped improvements including new curb ramps and crossings from Laurel Street to Green St. Other funds being used to replace the storm drain system.	\$2,165	\$0	\$0	\$2,165	\$0	\$2,165
Citywide Operations and Maintenance	SC-P07	Ongoing maintenance, repair, and operation of street system within the City limits. (Const=\$3.0M/yr; Unconst=\$4.2M/yr)	\$6,320	\$25,000	\$77,680	\$109,000	\$75,000	\$184,000
Citywide Safe Routes to School Projects - ATP	SC-P125	Projects to improve pedestrian and bicycle safety near schools.	\$1,404	\$0	\$0	\$1,404	\$6,800	\$8,204
Citywide Street Sweeping	SC-P128	Ongoing street sweeping, funded from City Refuse Enterprise Fund.	\$1,800	\$11,700	\$9,000	\$22,500	\$0	\$22,500
Delaware Avenue Complete Streets	SC-P23	Fill gaps in bicycle lanes, sidewalks and sidewalk access ramps.	\$0	\$150	\$0	\$150	\$0	\$150
Downtown Intersection Improvements	SC-P129	Modify Front/Soquel, Front/Laurel and Pacific/Front Intersections stemming from additional residential and commercial development in the Downtown.	\$300	\$0	\$0	\$300	\$0	\$300

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
High St/Moore St Intersection Modification	SC-P90	Add a protected left turn to existing signalized intersection along High St at city arterial. Project is located in high pedestrian and bicycle use activity area.	\$100	\$0	\$0	\$100	\$0	\$100
Hwy 1 - Harvey West Area Alternative Access	SC-P108	Development of an on/off ramp from NB Highway 1 to Harvey West Boulevard/Evergreen St, to improve access, especially during peak congestion times and emergencies.	\$0	\$0	\$0	\$0	\$4,130	\$4,130
Hwy 1 Mission at Laurel St Intersection Modification	SC-P112	Modify traffic signal to add right-turn from Mission St to Laurel St and signal overlap phase.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
Hwy 1 Mission at Swift St Intersection Modification	SC-P113	Modify traffic signal to add Swift St right-turn lane and signal overlap phase, and a second left turn lane	\$0	\$0	\$0	\$0	\$500	\$500
Hwy 1 Mission St at Chestnut/King/Union Intersection Modification	SC-P81	Modify design of existing intersections to add lanes and upgrade the traffic signal operations to add capacity, reduce delay and improve safety. Provide access ramps and bike lanes on King and Mission. Includes traffic signal coordination.	\$0	\$0	\$4,650	\$4,650	\$0	\$4,650
Hwy 1 Sound Wall	SC-P03	Install sound wall on Hwy 1: River to Chestnut.	\$0	\$0	\$0	\$0	\$520	\$520
Hwy 1/San Lorenzo Bridge Replacement	SC 38	Replace the Highway 1 bridge over San Lorenzo River to increase capacity, improve safety and improve seismic stability, from Highway 17 to the Junction of 1/9. Reduce flooding potential and improve fish passage. Caltrans Project ID 05-0P460	\$0	\$20,000	\$0	\$20,000	\$0	\$20,000
Hwy 1/Shaffer Rd Signalization	SC-P92	Signalization of intersection of Hwy 1 and Shaffer Rd. Project may includes some widening of Hwy 1 to accommodate a left turn lane.	\$0	\$0	\$0	\$0	\$520	\$520
King Street Bike Facility (entire length)	SC-P59	Install Class 2 bike lanes on residential collector street which includes some parking and landscape strip removals, and drainage improvements.	\$0	\$500	\$0	\$500	\$2,600	\$3,100

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
Laurent/High Intersection Improvements	SC-P97	Install Traffic Signal.	\$0	\$0	\$0	\$0	\$410	\$410
Lump Sum Bike Projects	SC-P75	Bike projects based on needs identified through the Active Transportation Plan and Santa Cruz City Schools Complete Streets Master Plan. These are in addition to projects listed individually in the RTP.	\$0	\$0	\$0	\$0	\$6,800	\$6,800
Market Street Sidewalks and Bike Lanes	SC-P105	Completion of sidewalks and bicycle lanes. Includes retaining walls, right-of-way, tree removals, and a bridge modification.	\$0	\$0	\$1,030	\$1,030	\$0	\$1,030
MBSST (Coastal Rail Trail): Segment 7-Phase 2 (Bay/California St to Pacific Ave/wharf)	TRL 07bSC	Bicycle/pedestrian multiuse path adjacent to railroad tracks between Bay/California streets and Pacific Ave/Beach St. MBSST Segment 7-phase 2	\$0	\$11,000	\$0	\$11,000	\$0	\$11,000
MBSST (Coastal Rail Trail): Segment 7-Phase 3 (Natural Bridges to Shaffer Rd)	TRL 07cSC	Bicycle/pedestrian multiuse path adjacent to railroad tracks from Natural Bridges to Shaffer Rd crossing Antonelli Pond. MBSST Segment 7-phase 3	\$200	\$0	\$0	\$200	\$3,000	\$3,200
MBSST (Coastal Rail Trail): Segment 8 and 9	TRL 8-9a	Multiuse trail along the rail corridor between Pacific Ave in the City of Santa Cruz to 17th Ave in County of Santa Cruz (2.18 miles) and non-infrastructure safety, education, and encouragement programs.	\$0	\$34,500	\$0	\$34,500	\$0	\$34,500
Measure H Road Projects	SC-P104	Road rehabilitation and reconstruction projects citywide to address backlog of needs using Measure H sales tax revenues. (Some Measure H funds anticipated to fund specific projects listed in the RTP).	\$3,800	\$28,500	\$9,500	\$41,800	\$0	\$41,800
Mission Street Improvement Plan	SC-P130	Evaluate and design Mission intersection improvements at Chestnut-King, Laurel, Bay, Fair, and Swift based on the General Plan.	\$0	\$1,500	\$0	\$1,500	\$0	\$1,500
Morrissey Blvd. Bike Path over Hwy 1	SC-P29	Install a Class 1 bicycle and pedestrian facility on freeway overpass.	\$0	\$300	\$0	\$300	\$0	\$300

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Morrissey/Poplar/Soquel Intersection Modification	SC-P12	Modify the roadway configuration in the Morrissey/Poplar/Soquel triangle area to improve traffic circulation and safety for all modes.	\$0	\$0	\$0	\$0	\$2,070	\$2,070
Murray St Bridge Retrofit	SC 37	Seismic retrofit of existing Murray St. bridge (36C0108) over Woods Lagoon at harbor and associated approach roadway improvements and replacement of barrier rail. Includes wider bike lanes and sidewalk on ocean side. Include access paths to harbor if eligible.	\$0	\$11,440	\$0	\$11,440	\$0	\$11,440
Murray St to Harbor Path Connection	SC-P30	Install a Class 1 bicycle/pedestrian facility to connect the Segment 9 Rail trail project, for the east and west side of the harbor.	\$0	\$210	\$0	\$210	\$790	\$1,000
Neighborhood Traffic Management Improvements	SC-P73	Install traffic control devices and roadway design features to manage neighborhood traffic.	\$0	\$0	\$0	\$0	\$2,580	\$2,580
North Branciforte/Water Intersection Modification	SC-P115	Modify traffic signal and add additional lanes per traffic study. Include signal interconnect if applicable.	\$0	\$0	\$0	\$0	\$2,070	\$2,070
Ocean St and San Lorenzo River Levee Bike/Ped Connections (Felker, Kennan, Blain, Barson Streets)	SC-P120	Improve pedestrian and bicycle facilities on side streets to connect Ocean Street with San Lorenzo River Levee path system.	\$0	\$0	\$0	\$0	\$620	\$620
Ocean St Pavement Rehabilitation	SC 48	Pavement rehabilitation and bike and ped upgrades including new curb ramps, restriping of bicycle lanes and crosswalks.	\$600	\$0	\$0	\$600	\$900	\$1,500
Ocean St Streetscape and Intersection, Plymouth to Water	SC-P86	Implement this phase of the Ocean Street plan and modify Plymouth St to provide separate turn lanes and through lanes, widen sidewalks, pedestrian islands/bulbouts, transit improvements, street trees, street lighting and medians landscaping improvements. This includes pedestrian and bicycle crossing improvements and detection and connectivity to the pedestrian and bicycle path on the San Lorenzo River and adjacent neighborhoods. Include Gateway treatment.	\$0	\$0	\$2,000	\$2,000	\$2,130	\$4,130

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Ocean St Streetscape and Intersection, Water to Soquel	SC-P84	Implement this phase of the adopted Ocean Street plan including adding turn lanes on Ocean Street at the Water Street intersections, wider sidewalks, pedestrian crossing islands/bulb outs, transit improvements, street trees, pedestrian scale street lights, and medians improvements, way finding, and pedestrian and bicycle connectivity to San Lorenzo Park and neighborhoods.	\$0	\$0	\$0	\$0	\$6,200	\$6,200
Ocean Street Corridor Multiuse Transit Lane	SC-P122	Consider restricting parking to develop business access and transit (BAT) lane to serve tourism and improving transit facilities.	\$0	\$0	\$0	\$0	\$410	\$410
Ocean Street Widening from Soquel to East Cliff	SC-P66	Implement this phase of the Ocean Street plan that includes utility undergrounding, bike lanes, wider sidewalks, pedestrian crossing islands/bulb outs, transit improvements, pedestrian scale street lights, street trees and left turn lanes at Broadway and a right-turn lane at San Lorenzo Blvd. This includes pedestrian and bicycle crossing improvements and detection and connectivity to the pedestrian and bicycle path on the San Lorenzo River and adjacent neighborhoods.	\$0	\$0	\$0	\$0	\$5,170	\$5,170
Ocean Street/San Lorenzo River Levee Area Wayfinding	SC-P124	Install signage on the bike/ped scale to bike/ped facilities connecting key destinations.	\$0	\$0	\$0	\$0	\$150	\$150
Ocean-Plymouth Multi-modal Transportation Improvements	SC-P134	Improve the bike and pedestrian connections through the Ocean-Plymouth intersection	\$200	\$0	\$0	\$200	\$1,800	\$2,000
River (Rte 9)/Fern Intersection Modification	SC-P110	Install traffic signal, sidewalk and new access ramps. Provide bike lanes on Fern.	\$0	\$0	\$0	\$0	\$520	\$520
River St/River Street South Intersection Modification	SC-P116	Install a roundabout or traffic signal to improve access and safety to the Downtown core, integrating bike and pedestrian facilities.	\$0	\$0	\$0	\$0	\$520	\$520
Riverside Ave/Second St Intersection Modification.	SC-P13	Modify intersection to reduce congestion and improve pedestrian crossing.	\$175	\$0	\$0	\$175	\$0	\$175

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
San Lorenzo River Levee Path Connection	SC-P35	Install a Multi-Use bicycle/pedestrian facility connecting the end of the San Lorenzo River Levee path on the eastern side of the river, up East Cliff Drive near Buena Vista Ave.	\$0	\$0	\$2,070	\$2,070	\$0	\$2,070
San Lorenzo River Walk Lighting	SC-P133	Install pedestrian scale lighting on the Riverwalk	\$970	\$0	\$0	\$970	\$1,000	\$1,970
Seabright Avenue Bike Lanes (Pine-Soquel)	SC-P69	Install Class 2 bike lanes on arterial street to complete the Seabright Avenue bike lane corridor and connect to bike lane corridor on Soquel Avenue and Murray. Includes removal of some parking and some landscape strips. Complete storm drain improvements.	\$0	\$500	\$0	\$500	\$2,500	\$3,000
Seabright/Murray Traffic Signal Modifications	SC-P100	Remove split phasing on Seabright and add right-turn lane northbound.	\$0	\$1,030	\$0	\$1,030	\$0	\$1,030
Seabright/Water Intersection Improvements	SC-P99	Modify unsignalized intersection to add northbound right and extend left-turn pocket.	\$0	\$0	\$0	\$0	\$100	\$100
Shaffer Road Widening and Railroad Crossing	SC-P91	Construction of a new crossing of the Railroad line at Shaffer Rd. and widening at the southern leg of Shaffer in conjunction with development. Complete sidewalks and bike lanes.	\$0	\$0	\$1,000	\$1,000	\$0	\$1,000
Sidewalk Program	SC-P09	Install and maintain sidewalks and access ramps.	\$500	\$3,750	\$1,250	\$5,500	\$15,160	\$20,660
Soquel Ave at Frederick St Intersection Modifications	SC 42	Widen to improve eastbound through-lane transition on Soquel Ave and lengthen right-turn pocket and bicycle lane on Frederick St. Upgrade access ramps.	\$900	\$0	\$0	\$900	\$0	\$900
Soquel Ave Corridor Widening (Branciforte-Morrissey)	SC-P87	Minor widening and signal modifications along Soquel Ave corridor from Branciforte to Morrissey Blvd to widen sidewalks, transit improvements, improve pedestrian and bicycle detection and crossings, add a travel lane, maintain some commercial parking and improve existing bike lanes. Replacing the split phasing with protected left-turns at Branciforte to reduce delays for all modes of travel and GHG.	\$0	\$0	\$0	\$0	\$2,320	\$2,320

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Soquel/Branciforte Bike Lane Treatments (San Lorenzo River to Branciforte)	SC-P123	Consider bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) to address speed inconsistency and parking conflicts between bicyclists and vehicles.	\$0	\$410	\$0	\$410	\$0	\$410
Storey/King Street Intersection Left-Turn Lane	SC-P76	Remove parking and modify striping for second southbound left turn lane.	\$0	\$0	\$0	\$0	\$100	\$100
Swanton Blvd. Multi-Use Trail Connector	SC-P132	Install a 10-12 foot wide multi-use trail along Swanton, Delaware and Natural bridges, completing a missing link.	\$1,900	\$0	\$0	\$1,900	\$0	\$1,900
Swift/Delaware Intersection Roundabout or Traffic Signal	SC-P101	Install Traffic Signal or Roundabout at Intersection to improve capacity and safety.	\$0	\$500	\$0	\$500	\$0	\$500
West Cliff Path Minor Widening (David Way Lighthouse to Swanton)	SC 23	Improve existing path.	\$0	\$520	\$0	\$520	\$0	\$520
West Cliff/Bay Street Modifications	SC-P83	Install mini-roundabout to replace the all-way stop to improve safety and capacity.	\$0	\$500	\$0	\$500	\$0	\$500
City of Santa Cruz Total Cost			\$24,392	\$154,870	\$109,150	\$288,412	\$159,160	\$447,572

City of Scotts Valley

Bean Creek Rd at Bluebonnet Traffic Circle	SV-P55	Install traffic circle to slow traffic and improve visibility of crosswalk. Source ATP Plan	\$0	\$0	\$0	\$0	\$300	\$300
Bean Creek Rd Sidewalks (SVMS to Blue Bonnet)	SV-P35	Fill gaps in sidewalks on Bean Creek Rd.	\$0	\$410	\$0	\$410	\$0	\$410
Bean Creek Rd Traffic Calming and Sidewalk Upgrades	SV-P57	Install traffic calming measures and upgrade to standard sidewalk on east side of the street. Study options to install Class I facility on east side of the street. Source ATP Plan	\$0	\$0	\$0	\$0	\$650	\$650
Bean Creek Rd/Camp Evers Connection	SV-P65	Pave (asphalt or concrete) existing dirt paths on Bean Creek Rd. Source SRTS Plan	\$0	\$0	\$0	\$0	\$21	\$21

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
Bean Creek Road at SV Middle School driveway crosswalk improvements	SV-P56	Realign crossing and rebuild ADA ramp on west side. Upgrade crosswalk to high visibility. Source SRTS Plan	\$0	\$53	\$0	\$53	\$0	\$53
Bean Creek Road Realignment	SV-P16	Realign Bean Creek Road to intersect Scotts Valley Drive farther North to create a four way intersection.	\$0	\$0	\$0	\$0	\$2,840	\$2,840
Blue Bonnet Lane and Kings Village Rd Sidewalk Infill	SV 30a	Fill gaps in sidewalks on Bluebonnet and Kings Village Rd. to improve access between middle school, library and park.	\$250	\$0	\$0	\$250	\$0	\$250
Bluebonnet Lane at Monteville Crosswalk Improvements	SV-P59	Install high-visibility raised crosswalk. Source ATP Plan	\$0	\$0	\$0	\$0	\$25	\$25
Bluebonnet Lane Seperated Bikeway	SV-P58	Install raised cycletrack or Class IV separated bikeway to narrow travel lanes and decrease pedestrian crossing distance. Source ATP Plan	\$0	\$0	\$0	\$0	\$290	\$290
Carbonera Creek Multi-Use Path	SV-P60	Study options to install multi-use path connecting parks along Carbonera Creek. Source ATP Plan	\$0	\$0	\$0	\$0	\$300	\$300
Citywide Access Ramps	SV-P06	Place handicap ramps at various locations. Avg annual cost: \$8K/yr.	\$17	\$109	\$84	\$210	\$0	\$210
Citywide Bicycle Detection at Intersections	SV-P63	Install bicycle detection at intersections: either in-ground detection loops, video detection, or bicycle push-bottons. If in-ground detection loops are used, used bike symbol to show cyclists where to position themselves. Source ATP Plan	\$0	\$0	\$0	\$0	\$380	\$380
Citywide Bike Lanes	SV-P41	Construction of additional bike lanes and paths citywide (including Green Hills).	\$165	\$1,071	\$824	\$2,060	\$1,300	\$3,360
Citywide Crosswalk Improvements	SV-P64	Upgrade crosswalks near schools to high visibility. Source SRTS Plan	\$0	\$0	\$0	\$0	\$70	\$70

Project Title	ID	Project Description/Scope	Financially Constrained Costs				Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained		
Citywide General Maintenance and Operations	SV-P27	Ongoing maintenance, repairs, and operation of road/street system within the City limits. (\$400K/yr const; \$250/yr unconst).	\$1,440	\$9,360	\$12,200	\$23,000	\$1,750	\$24,750
Citywide Pedestrian Signals	SV-P80	Install pedestrian countdown signal heads at all signalized intersections. Source ATP Plan	\$0	\$0	\$0	\$0	\$120	\$120
Citywide Sidewalk Program	SV-P05	Install sidewalks to fill gaps. Annual Cost \$50k/yr	\$320	\$2,080	\$1,600	\$4,000	\$1,600	\$5,600
Civic Center Dr Bike Lanes	SV-P33	Add bike lanes to narrow road.	\$0	\$0	\$0	\$0	\$410	\$410
El Pueblo Rd Ext North	SV-P14	Connect El Pueblo Road via Janis Way to Victor Square, crossing Carbonero Creek.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
El Pueblo Rd Extensions	SV-P15	Connect El Pueblo Road to Disc Drive.	\$0	\$0	\$0	\$0	\$410	\$410
El Pueblo Rd Sidewalk Connections	SV-P66	Fill sidewalk gaps and install pedestrian-scale lighting. Source ATP Plan	\$0	\$0	\$0	\$0	\$950	\$950
El Rancho Dr Bike Lanes	SV-P36	Add bike lanes on El Rancho within city limits.	\$0	\$0	\$0	\$0	\$340	\$340
Emergency Access Granite Creek/Hwy 17	SV-P24	Connect Granite Creek Rd to SR 17 via Navarra Drive to Sucinto Drive, for emergency access.	\$0	\$0	\$0	\$0	\$570	\$570
Emergency Access SV DR/Upper Willis Dr	SV-P25	Connect Scotts Valley Drive to Upper Willis Road for emergency access.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
Emergency Access Whispering Pines	SV-P26	Connect Whispering Pines Drive to Manana Woods for emergency access.	\$0	\$0	\$0	\$0	\$50	\$50
Emergency Access-Bethany/Glenwood	SV-P23	Connect Bethany Drive to Glenwood Drive.	\$0	\$0	\$0	\$0	\$210	\$210
Emergency Access-Sundridge/Pueblo	SV-P22	Connect Sundridge Drive to Disc Drive for emergency access.	\$0	\$0	\$0	\$0	\$410	\$410

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Erba Lane Sidewalk Connection	SV-P68	Install sidewalk between Scotts Valley Drive and fire station. Source ATP Plan	\$0	\$0	\$0	\$0	\$85	\$85
Erba Lane/ MacDorsa Sidewalk Connection	SV-P67	Install pedestrian pathway/sidewalk between Erba Lane and MacDorsa Park. Source Parks Master Plan	\$0	\$0	\$0	\$0	\$200	\$200
Erba Lane/Terrace View/SV Drive Realignment	SV-P10	Realign Terrace View to access Scotts Valley Drive via Erba Lane.	\$0	\$0	\$0	\$0	\$520	\$520
Glen Canyon Rd at Hwy 17 Overpass Pedestrian Bridge	SV-P69	Study options to install pedestrian pathway under freeway bridge. Source ATP Plan	\$0	\$0	\$0	\$0	\$100	\$100
Glen Canyon Rd Bike Lanes	SV-P29	Class 2 Bike lanes from Flora Lane to Green Hills. Oak Creek to Flora Ln are already complete.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
Glendwood Dr Bicycle Improvements	SV-P71	Add buffers and keep bike lanes at 5' by narrowing travel lanes to 11' and/or expanding right of way. Source SRTS Plan	\$0	\$0	\$0	\$0	\$103	\$103
Glenwood Dr/Meadow View Dr Intersection Improvements	SV-P70	Install curb extensions to shorten crossing distance. Upgrade crosswalks to high visibility and install LED flashing stop signs. Source SRTS Plan	\$0	\$0	\$0	\$0	\$117	\$117
Granite Creek Rd Overcrossing Repaving and Bike/Ped Upgrades	SV-P73	Repaving of asphalt surface and restriping on Granite Creek Rd from Scotts Valley Dr to the intersection at Santas Village Rd and SV Dr/Santas Village Rd intersection. Widening bike lanes-narrowing travel lanes, adding green treatment to bike lanes, adding a bike box. Adds retaining wall to shore up sloughing under sidewalks. Repaving of AC sidewalks to meet ADA grades. Addition of truncated domes where they are missing at the two intersections.	\$609	\$0	\$0	\$609	\$0	\$609
Granite Creek Rd Overpass Bike/Ped modificaitons	SV-P72	Study options to rebuild overpass to widen sidewalks and install Class IV separated bikeways. Install pedestrian-scale lighting (long term). Source ATP Plan	\$0	\$0	\$0	\$0	\$200	\$200

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Hacienda Way Intersection Modification and Improvements	SV-P74	Install curb extensions to reduce crossing distance. Reduce Hacienda Way to one lane at intersection. Look into undergrounding utility pole at northern corner of intersection. Source SRTS Plan	\$0	\$100	\$0	\$100	\$0	\$100
Highway 17 On/Off Ramp Bike & Pedestrian Improvements	SV-P95	Install leading pedestrian interval and curb extension at NE corner of intersection. Upgrade all crosswalks to high visibility. Install green bike conflict markings through intersection. Install bicycle detection at Glenwood/Scotts Valley Drive intersection approaches. Source SRTS Plan. Short term	\$0	\$207	\$0	\$207	\$0	\$207
Highway 17 On/Off Ramp Modernization & Redesign	SV-P94	Begin discussions with Caltrans about modernizing freeway on- and off-ramps. Study options to redesign intersection. Source ATP Plan. long term	\$0	\$0	\$0	\$0	\$100	\$100
Hwy 17/Midtown Interchange	SV-P01	Construct new SR17 interchange midway between Mt. Hermon Rd and Granite Creek Rd. Will require right-of-way.	\$0	\$0	\$0	\$0	\$30,990	\$30,990
Hwy 17/Mt. Hermon Rd Interchange Operations Improvement	SV-P44	Add lane to SB off-ramp at Hwy 17/Mt. Hermon Rd interchange.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
In-Street Pedestrian Crossing Improvements	SV-P62	Install in-street pedestrian crossing signs (R1-6) at uncontrolled crossings near schools, parks, and other areas with high pedestrian traffic. Source ATP Plan	\$0	\$0	\$0	\$0	\$5	\$5
Kings Village Rd Bike/Ped Connection	SV-P75	Install bike/pedestrian connection between potential new development at 440 Kings Village Road and Town Center property. Source ATP Plan	\$0	\$0	\$0	\$0	\$95	\$95
Kings Village Rd Crosswalk Improvements	SV-P76	Upgrade all crosswalks to high visibility. Install curb extensions to shorten crosswalks where feasible. Source ATP Plan	\$0	\$0	\$0	\$0	\$370	\$370

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Kings Village Rd/Town Center Entrance Traffic Signal	SV-P52	Install new traffic signal at the intersection of Kings Village Rd and new Town Center entrance (near transit center) with protected pedestrian crossings and transit signal priority. New Signalization of the intersection on Kings Village Rd at the transit center exit and future Plan street connection would provide a location for protected pedestrian crossings, and would allow transit operators to easily exit the transit center and maintain operating schedules.	\$0	\$105	\$0	\$105	\$105	\$210
La Madrona Dr Bike/ Ped Improvements	SV-P77	Install pedestrian improvements on La Madrona Drive between project site and Mount Hermon Road, when Gateway South project developed. Restripe bike lanes and continue northbound bike lane to intersection of Mount Hermon Road. Install dashed green lane treatments where bike lane crosses right turn lane. Source ATP Plan	\$0	\$0	\$0	\$0	\$200	\$200
Lockwood Lane Multi-Use Path	SV-P78	Install Class I multi-use path between Mount Hermon Road and Whispering Pines Drive. Source ATP Plan (long term)	\$0	\$0	\$0	\$0	\$1,300	\$1,300
Lockwood Lanes Sidewalk & Sharrows	SV-P79	Fill sidewalk gaps on south side of street. Install green backed sharrows. (short term)	\$0	\$90	\$0	\$90	\$0	\$90
Lockhart Gulch Rd Bike Lanes	SV-P37	Add Class 2 bike lanes to narrow, primarily residential street.	\$0	\$0	\$0	\$0	\$720	\$720
Lockhart Gulch Road Multi-Use Path	SV-P81	Study options to install multi-use path between Lockhart Gulch or Green Valley Road and Coast Range Road, including an unpaved pathway. Source ATP Plan	\$0	\$0	\$0	\$0	\$25	\$25
Lockwood Ln Pedestrian Signal Near Golf Course	SV-P21	Construct a pedestrian signal at unprotected ped crossing on Lockwood Lane.	\$0	\$50	\$0	\$50	\$0	\$50

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Mt Hermon Rd and Scotts Valley Drive - Crosswalks	SV-P49	Increase number of crosswalks on Mt Hermon/Scotts Valley Dr, update crosswalks to block pattern, add pedestrian treatments where necessary at intersections to decrease distance across using refuge islands. Add crosswalks to all sides of intersections (particularly an issue on Scotts Valley Dr). Add HAWK signals to provide a low delay signalized crossing opportunity at select locations. Examples include the Safeway Driveway on Mt. Hermon Rd, at Victor Square/Scotts Valley Dr., and at Trammel Way/Scotts Valley Dr.	\$0	\$375	\$140	\$515	\$515	\$1,030
Mt Hermon Rd Bike & Ped Improvements	SV-P82	Install bike and pedestrian improvements including filling sidewalk gaps, high-visibility crosswalks, green bike lane treatments, and curb radius reduction. Source ATP Plan	\$0	\$0	\$0	\$0	\$800	\$800
Mt Hermon Rd Buffered Bike Lanes	SV-P83	Explore installation of buffered bike lanes or Class IV separated bikeways by narrowing lane widths to 11', as recommended in Town Center Plan, or through plan lines study to gain additional ROW as properties redevelop. Source ATP Plan	\$0	\$0	\$0	\$0	\$190	\$190
Mt Hermon Rd to El Rancho Drive Bike/Ped Connection	SV-P53	Study options to install a new bike/ped connection between Mt Hermon Road and El Rancho Drive which could include improved bike/ped facilities on existing interchange or new bike/ped crossing.	\$0	\$0	\$1,030	\$1,030	\$0	\$1,030
Mt Hermon Road Sidewalk Connections	SV-P30A	Add sidewalks to fill gaps in business district.	\$100	\$420	\$0	\$520	\$0	\$520
Mt Hermon, Lockwood, Springs Lake Widening	SV-P13	Widen, reconstruct and improve portions of roadway and intersection.	\$0	\$0	\$0	\$0	\$4,130	\$4,130
Mt Hermon/King's Village Rd- Transit Signal priority	SV-P46	Transit signal priority at Kings Village Rd/Mt Hermon Rd.	\$0	\$80	\$0	\$80	\$0	\$80
Mt Hermon/Scotts Valley - Transit Queue Jump	SV-P47	Evaluate and if found to be beneficial, remove right turn islands at Mt Hermon Rd/Scotts Valley Road to add transit queue jump lanes/signals.	\$0	\$620	\$0	\$620	\$0	\$620

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Mt. Hermon Rd Circulation Master Plan	SV-P09	Provides various circulation and access improvements to the Mount Herman corridor.	\$0	\$0	\$0	\$0	\$3,620	\$3,620
Mt. Hermon Road/Town Center Entrance Traffic Signal	SV-P51	Install new traffic signal at the intersection of the future Town Center road that will accommodate increased pedestrian travel. Add a right-turn lane on the westbound approach. New signalization of the intersection at the future Town Center's primary access point on Mt. Hermon Road would provide protected pedestrian crossing, ADA accessible curb ramps and detectable surfaces on all intersection corners. Permitted left-turn phasing shall be used for the northbound and southbound approaches, while protected left-turn phasing shall be provided on the eastbound and westbound Mt. Hermon Road approaches.	\$0	\$130	\$0	\$130	\$130	\$260
N. Navarra Dr Bike/Ped Access	SV-P84	Reconfigure gate to Sucinto Lane to allow for bike/pedestrian access. Source Parks Master Plan	\$0	\$0	\$0	\$0	\$50	\$50
N. Navarra Dr-Sucinto Dr Bike Lanes	SV-P34	Add bike lanes to developing area behind commercial.	\$0	\$0	\$0	\$0	\$620	\$620
Navarra Dr Sharrows & Wayfinding	SV-P85	Install green backed sharrows on N. Navarra Dr. Install bike wayfinding signage on S. Navarra Dr. to highlight Green Hills Road connection. Source ATP Plan	\$0	\$0	\$0	\$0	\$4	\$4
Neighborhood Traffic Calming	SV-P28	Citywide traffic calming devices.	\$20	\$550	\$200	\$770	\$0	\$770
Quien Sabe Rd Sidewalk	SV-P86	Install sidewalk on one side of the street between Scotts Valley Drive and Oak Creek Boulevard. Source ATP Plan	\$0	\$0	\$0	\$0	\$100	\$100
Sandraya Heights Rd Crossing Improvements	SV-P87	Install curb extension on northwest corner to shorten crossing. Install high-visibility crosswalk. Source SRTS Plan (long term)	\$0	\$0	\$0	\$0	\$53	\$53
Santa's Village Rd Sidewalk Improvements	SV-P88	Widen sidewalk to Class I multi-use path to connect new housing developments with Granite Creek Road. Source ATP Plan	\$0	\$0	\$0	\$0	\$400	\$400

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
Scotts Valley Dr at Victor Square Crosswalk/Sidewalk Improvements	SV-P91	Add new marked crosswalk at north leg of intersection or relocate crosswalk to north leg to reduce vehicle/pedestrian conflicts. Install pedestrian countdown signal heads. Install sidewalk on Victor Square between Scotts Valley Drive and shopping center entrance. Source ATP Plan	\$0	\$0	\$0	\$0	\$40	\$40
Scotts Valley Dr Lane Modifications/Pedestrian Crossing Improvements	SV-P92	Reduce lane widths or reduce to one lane in each direction to reduce pedestrian crossing distance and provide wider sidewalk, landscape strip and/or buffered bike lanes or Class IV separated bikeway. Source ATP Plana and SRTS Plan	\$0	\$0	\$0	\$0	\$516	\$516
Scotts Valley Drive at Bean Creek Road Crossing Improvements	SV-P89	Install high visibility crosswalks, curb extensions and median refuge islands. Install lead pedestrian interval. Study options to eliminate or modify southbound right-turn lane approaching Bean Creek Road to reduce crossing distance. Source SRTS Plan	\$0	\$0	\$0	\$0	\$150	\$150
Scotts Valley Drive at Mount Hermon Road Lane Modifications	SV-P90	Study options to redesign or modify right-turn slip lanes to improve pedestrian visibility. Source ATP Plan	\$0	\$0	\$0	\$0	\$30	\$30
Scotts Valley Town Center Bicycle/Pedestrian Facilities	SV-P45	Bicycle and pedestrian facilities and circulation elements within planned development.	\$0	\$4,130	\$0	\$4,130	\$0	\$4,130
Sidewalk Masterplan Implementation	SV 32	Installation or widening of sidewalks and ramps that are missing, damaged or do not meet current ADA requirements. May include signage for safety.	\$100	\$200	\$200	\$500	\$2,200	\$2,700
Siltanen Community Park Connector Paths	SV-P96	Improve paths to school campus. Source SRTS Plan. Cost TBD.	\$0	\$0	\$0	\$0	\$0	\$0
Sky Park Commercial Area Circulation	SV-P11	Construct infrastructure improvement for Skypark commercial area.	\$0	\$0	\$0	\$0	\$2,070	\$2,070

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Skypark Bicycle Improvements	SV-P97	Widen path to allow for bike and pedestrian access, or install separate path for bicyclists to connect Skypark Drive and Kings Village Road. Source ATP Plan. Cost TBD.	\$0	\$0	\$0	\$0	\$0	\$0
Synchronize Traffic Signals along Mt. Hermon Road	SV-P42	Re-time to coordinate traffic signals along Mt. Hermon Road.	\$100	\$0	\$0	\$100	\$0	\$100
Upgrade Bicycle Sharrows	SV-P61	Upgrade all white sharrows in City limits to green backed sharrows. Source ATP Plan	\$0	\$0	\$0	\$0	\$12	\$12
Vine Hill School Rd (Glenwood Dr-Tabor Dr) Bike Lane Widening	SV-P99	Narrow travel lanes to 11' to widen bike lanes to 6'. Remove signs that indicate bike lanes are dependent on time of day. Source SRTS Plan	\$0	\$44	\$0	\$44	\$0	\$44
Vine Hill School Rd Sidewalk Improvements	SV-P98	Fill sidewalk gaps on north/ east side of street. Source ATP Plan	\$0	\$0	\$0	\$0	\$250	\$250
Whispering Pines Dr (Mt Hermon-Lundy Ln) Separated Bikeways	SV-P100	Upgrade bike lanes to buffered bike lane or Class IV separated bikeway. Source SRTS Plan	\$0	\$75	\$0	\$75	\$0	\$75
City of Scotts Valley Total Cost			\$3,121	\$20,259	\$16,278	\$39,658	\$68,441	\$108,099

City of Watsonville

2nd/Maple Ave (Lincoln to Walker) Traffic Calming and Greenway	WAT-P49	Evaluate and if found necessary, add traffic calming/bicycle traffic priority with wayfinding signage to provide access to MBSST and create low stress grid around downtown.	\$0	\$30	\$0	\$30	\$0	\$30
5th St (Lincoln to Walker) - Traffic Calming and Greenway	WAT-P50	Evaluate and if found necessary, add traffic calming/bicycle traffic priority with wayfinding signage to provide access to MBSST and create low stress grid around downtown.	\$0	\$30	\$0	\$30	\$0	\$30
Airport Blvd Modifications (Hanger Way to Ross Ave)	WAT-P34	Reconstruct or repave roadway and bike lanes; repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping.	\$0	\$0	\$0	\$0	\$750	\$750

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
Alley Improvements	WAT-P36	Repair & reconstruct some alleys.	\$0	\$75	\$0	\$75	\$0	\$75
Bridge Maintenance	WAT-P35	Maintenance of bridges	\$0	\$150	\$0	\$150	\$0	\$150
Buena Vista/Calabasas/Freedom Connection	WAT-P30	Construction of roadway connection from Buena Vista area to Freedom Blvd. Reconstruct Via Nicola.	\$0	\$0	\$0	\$0	\$7,400	\$7,400
Citywide General Maintenance and Operations	WAT-P06	Ongoing maintenance, repair, and operation of road/street system, including bicycle and pedestrian facilities.(Total Need = \$2,600/year, constr=\$1500/yr)	\$4,342	\$21,708	\$43,220	\$69,270	\$20,000	\$89,270
Citywide Pedestrian Facilities	WAT-P15	Construct sidewalks and curb ramps where necessary. This work is usually combined with the annual road rehabilitation and maintenance projects. Avg annual cost: \$100/yr.	\$0	\$0	\$0	\$0	\$3,000	\$3,000
Citywide Transportation Projects	WAT-P24	Lump sum of transportation projects to be identified in the future. Including major rehabilitation and operational improvements (\$1.2M/yr).	\$5,000	\$0	\$0	\$5,000	\$27,400	\$32,400
Complete Streets - Downtown	WAT-P75	Provide complete streets improvements including sidewalk, parking, bike lane, sharrows, curb bulb outs, high visibility crosswalks, striping, signage, street trees, pedestrian lighting, bus shelters, bike parking and benches (some portions=WAT 47 in RTIP).	\$400	\$2,600	\$2,000	\$5,000	\$22,000	\$27,000
Complete Streets - Watsonville Schools	WAT-P76	Provide complete streets improvements including sidewalk, bike lane, sharrows, curb bulb outs, high visibility crosswalks, striping, signage and pedestrian lighting.	\$320	\$2,080	\$1,600	\$4,000	\$16,600	\$20,600
Crestview/Wagner Extension	WAT-P29	Construction of roadway connection from Atkinson Lane area to SR 152. Reconstruct/widen Wagner St.	\$0	\$0	\$0	\$0	\$5,900	\$5,900
East Fifth St (Main St to Lincoln St)	WAT-P39	Repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping.	\$0	\$0	\$0	\$0	\$370	\$370

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
East Lake Ave-(Hwy 152) Widening (Martinelli St-Holohan Rd)	CT-P33	Widen East Lake Ave. (SR 152) from 2 to 4 lanes (Martinelli St-Holohan Rd).	\$0	\$0	\$0	\$0	\$1,300	\$1,300
East Lake/Madison - ped crossing	WAT-P57	Evaluate and if feasible, add pedestrian crossing (HAWK signal if ped volume warrants) at E Lake & Madison for better access to Hall Middle School.	\$0	\$0	\$0	\$0	\$1	\$1
Elm St. Improvements Project	WAT-P77	Road reconstruction and sidewalk improvements	\$350	\$0	\$0	\$350	\$0	\$350
Freedom Blvd (Airport Blvd to Buena Vista Dr)	WAT-P85	Repair and resurface damaged roadway and bike lanes, replace damaged sidewalks, add pedestrian facilities where none exist.	\$0	\$0	\$0	\$0	\$3,000	\$3,000
Freedom Blvd (Green Valley Rd to Airport Blvd)	WAT-P72	Repair and resurface damaged roadway and bike lanes, replace damaged sidewalks, add pedestrian facilities where none exist.	\$0	\$3,300	\$0	\$3,300	\$0	\$3,300
Freedom Blvd Pedestrian Crossings (Airport to Lincoln)	WAT-P62	Evaluate and if feasible, install new and improve existing uncontrolled pedestrian crossings at Roach Road, Davis Avenue, Clifford Lane, Mariposa Avenue, Alta Vista Street, Crestview Drive, Martinelli Street and Marin Street).	\$0	\$0	\$600	\$600	\$0	\$600
Freedom Blvd Reconstruction (Alta Vista to Green Valley)	WAT 45	Remove and replace non-ADA compliant driveways and curb ramps, install high visibility crosswalks, provide sharrows and bicycle signage, upgrade existing bus stop shelter, install new traffic signal at Sydney Ave with pedestrian signal heads, pedestrian actuated traffic signals, audible countdown, pedestrian-level lighting and illumination at crosswalks and reconstruct roadway.	\$2,000	\$0	\$0	\$2,000	\$1,300	\$3,300
Freedom Blvd/Green Valley Rd Neighborhood Bike/Ped Connections	WAT-P64	Evaluate and if feasible, implement greenway, which gives priority to bicycles and pedestrians on low volume, low speed streets including, pedestrian facilities, way finding and pavement markings, bicycle treatments to connect neighborhoods to goods and services on Freedom Blvd.	\$0	\$0	\$0	\$0	\$2,300	\$2,300

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Green Valley Adaptive Signal Project	WAT-P78	Update signals to provide dynamic signal timing, optimizing traffic flow and decreasing vehicle emission.	\$400	\$0	\$0	\$400	\$0	\$400
Green Valley Rd Improvement (Freedom Blvd to City Limit)	WAT-P45	Reconstruct existing roadway, install a median island to encourage safer turning movements, remove and replace existing driveways and curb ramps that do not comply with existing accessibility standards, restripe roadway to provide striping for bike lanes where none exist.	\$2,000	\$500	\$0	\$2,500	\$0	\$2,500
Harkins Slough Rd (Hwy 1 to Green Valley Rd)	WAT-P69	Repair, reconstruct and/or upgrade pavement, bike lanes, sidewalks, transit facilities, signage and striping	\$0	\$0	\$0	\$0	\$1,500	\$1,500
Harkins Slough Rd Pedestrian & Bicycle Bridge	WAT-P79	Install pedestrian & bicycle bridge, pedestrian path, sidewalk, striping and signage	\$90	\$0	\$0	\$90	\$11,910	\$12,000
Hillside Ave to Freedom Blvd Ped/Bike Connection	WAT-P60	Evaluate and if feasible, install new bike/ped connection from Carey Avenue to Freedom Boulevard between Roache Road and Green Valley Road to connect neighborhood to goods, services and transit on Freedom Boulevard. Include new crossing from new bicycle/pedestrian facility to east side of Freedom Boulevard.	\$0	\$0	\$0	\$0	\$450	\$450
Kearney/Rodriguez - Ped Crossing	WAT-P53	Evaluate and if found necessary, add pedestrian crossing at Kearney and Rodriguez with traffic calming for access to Radcliffe Elementary.	\$0	\$0	\$0	\$0	\$50	\$50
Lake Avenue Underground Utilities	WAT-P80	Underground existing overhead utilities.	\$2,400	\$0	\$0	\$2,400	\$4,200	\$6,600
Lee Rd Trail	WAT-P81	Construct bike/pedestrian trail on Lee Road from Railroad Crossing to Harkins Slough Rd. Prepare environmental documents and construction plans, secure permits.	\$700	\$0	\$0	\$700	\$19,300	\$20,000

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Lincoln St Safety Improvements	WAT-P82	Pedestrian Crossing Enhancements that incorporate bulbouts, landscaping, lighting, decorative pedestrian scale fencing, enhanced crosswalks, improved sidewalks and pedestrian amenities, fencing, artistic enhancements by high school artists and classes in crossings and on lighting. Also includes bicycle racks, pavement sharrows, and signage.	\$0	\$0	\$0	\$0	\$600	\$600
Lump Sum Bicycle Projects	WAT-P19	Update the City Bicycle Plan and construction of additional routes and paths (250k/yr).	\$250	\$1,625	\$1,250	\$3,125	\$3,125	\$6,250
Main St - 3 HAWK Signals	WAT-P54	Evaluate and if found necessary, add Hawk signals in 3 locations on Main St.	\$0	\$0	\$900	\$900	\$0	\$900
Main St (Freedom to Riverside) Ped/Bike Enhancements	WAT-P58	Evaluate and if feasible improve ped facilities and bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) and bike boxes and bicycle priority at intersections on Main Street intersections.	\$0	\$0	\$0	\$0	\$890	\$890
Main St Modifications (500 Block: Fifth St to East Lake Ave)	WAT-P40	Repair, replace and install curb, gutter, and curb ramps; replace and upgrade signage and striping. Evaluate and if feasible, provide bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals), and buffered sidewalk.	\$0	\$0	\$0	\$0	\$710	\$710
Main St Modifications (City Limit to Lake Ave)	WAT-P47	Repave roadway and bike lanes; repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping. Evaluate and if feasible, provide bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) and buffered sidewalks.	\$0	\$0	\$2,100	\$2,100	\$0	\$2,100
Main St Modifications (East Lake Ave to Freedom Blvd)	WAT-P73	Provide complete streets improvements including but not limited to pedestrian crossings, bicycle facilities, bus stops, parking, sidewalks and traffic management	\$0	\$0	\$0	\$0	\$1,250	\$1,250

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Main St. (Hwy 152)/Freedom Blvd Roundabout	WAT 27a	Installation of a roundabout to replace the currently signalized intersection with safety considerations for bike/ped. Caltrans Project ID - 05-0T150.	\$0	\$0	\$0	\$0	\$1,850	\$1,850
Main St/Beach St/Lake Ave Bike Facilities	CT-P38	Bicycle facilities - Main St (GV Rd to Mont Co line), Beach St (Walker to Lincoln) and Lake Ave (Main St to fairgrounds). County/City Project - Cost unknown.	\$0	\$0	\$0	\$0	\$0	\$0
Main Street Traffic Study	WAT-P86	Conduct traffic study on Main Street between Freedom Blvd and Riverside Dr to determine the feasibility of a lane reduction/road diet. Determine possible impacts on adjacent streets and any necessary improvements. Study shall be coordinated with 2019 Downtown Watsonville Complete Streets and 2020 Downtown Specific Plan.	\$25	\$0	\$0	\$25	\$0	\$25
Main/Rodriguez/Union/Brennan (Freedom to Riverside) - Crosswalks	WAT-P55	Evaluate and if found necessary, increase the number of crosswalks on Main St, Rodriguez, and Union/Brennan to aim for 300 ft distance between crossings. Update pattern of crosswalks to block pattern.	\$0	\$0	\$0	\$0	\$140	\$140
Maintain and Improve Trails	WAT-P83	Maintain and enhance existing pedestrian and bicycle trails	\$0	\$0	\$0	\$0	\$400	\$400
MBSST/Rail Trail: Segment 18a - Ohlone Pkwy to City Slough Trail connection	TRL 18W	Construction of pedestrian and bicycle path parallel to the existing railroad tracks and within the rail right-of-way. Includes public outreach and training to improve bicycle and pedestrian safety.	\$2,000	\$0	\$0	\$2,000	\$0	\$2,000
MBSST/Rail Trail: Segment 18b - Lee Road-Ohlone Pkwy	TRL 18L	Construction of pathway parallel to the railroad tracks: includes asphalt path, retaining walls, fencing, drainage, at grade RR crossings, and installation of pathway or sidewalk to link to the existing sidewalk at Lee Road.	\$4,000	\$0	\$0	\$4,000	\$0	\$4,000

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
MBSSTN Walker St (Watsonville Slough Trailhead to Walker St)	WAT-P71	Construction of 2400-foot long pathway parallel to the railroad tracks. Path shall be twelve-foot width asphalt (hma). Modify drainage facilities east of Ohlone Parkway. Provide connection with Watsonville Slough Trail. Install at grade crossing at spur near Walker St. Modify existing parking area and pedestrian facilities at Walker St/West Beach St intersection.	\$0	\$3,400	\$0	\$3,400	\$0	\$3,400
Neighborhood Traffic Plan	WAT-P04	Plan to identify and address concerns regarding speeding, bicycle and pedestrian access and safety, and other neighborhood traffic issues (\$5k/yr).	\$0	\$140	\$0	\$140	\$0	\$140
Neighborhood Traffic Plan Implementation	WAT-P13	Address concerns about traffic complaints through Education, Enforcement, and Engineering solutions. Install traffic calming devices that do not impede bicyclist access (\$20k/yr).	\$0	\$600	\$0	\$600	\$0	\$600
Ohlone Parkway Improvements - Phase 2 (UPRR to West Beach)	WAT-P31	Roadway, pedestrian, and bicycle facilities.	\$0	\$0	\$0	\$0	\$750	\$750
Pajaro Lane to Freedom Blvd Ped/Bike Connection	WAT-P63	Evaluate and if feasible, new bike/ped connection from Pajaro Lane to Freedom Blvd to connect neighborhood to goods, services and transit on Freedom Boulevard. Include new crossing from new bicycle/pedestrian facility to west side of Freedom Boulevard.	\$0	\$0	\$0	\$0	\$450	\$450
Pajaro Valley High School Connector Trail	WAT-P42	Install bicycle/pedestrian trail (this trail connects Pajaro Valley High School to Airport Blvd).	\$0	\$0	\$0	\$0	\$880	\$880
Pedestrian and Traffic Safety	WAT-P84	Provide pedestrian and traffic safety improvements including striping, markers, signage, flashing beacons and curb extensions.	\$0	\$0	\$0	\$0	\$850	\$850
Pennsylvania Dr (Green Valley Rd to Clifford Ave)	WAT-P70	Repair, reconstruct and/or upgrade pavement, bike lanes, sidewalks, transit facilities, signage and striping	\$0	\$0	\$0	\$0	\$5,700	\$5,700

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Riverside (Hwy 129) Bike Facilities	CT-P39	Bicycle facilities - Lee to Lakeview Road. County/City Project -Cost Unknown.	\$0	\$0	\$0	\$0	\$0	\$0
Rodriguez St (Main St to Riverside)- Buffered Bike Lane	WAT-P51	Evaluate and if found necessary, improve bike lane striping, add buffered lanes on Rodriguez St to delineate bike lane from vehicle parking and traffic.	\$0	\$0	\$0	\$0	\$15	\$15
Union/Brennan (Freedom to Riverside) - Sharrows	WAT-P52	Evaluate and if found necessary, add sharrows to Union/Brennan.	\$0	\$0	\$0	\$0	\$15	\$15
Upper Struve Slough Trail	WAT-P65	Construction of pedestrian/bicycle path along upper Struve Slough from Green Valley Road to Pennsylvania Drive. The trail shall consist of a twelve-foot wide by one foot deep aggregate base section with the center eight feet covered with a chip seal. Additional improvements include installing a 130-length of modular concrete block retaining wall, reinforcing a 160-foot length of slough embankment with rock slope protection and installing a 175-foot long by eight foot wide boardwalk.	\$0	\$0	\$660	\$660	\$0	\$660
Walker St Modifications (Beach St to Watsonville Slough)	WAT-P48	Repave roadway and bike lanes; repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping	\$0	\$0	\$0	\$0	\$4,000	\$4,000
Watsonville Road Rehabilitation/Reconstruction (Various Locations)	WAT 46	Rehabilitate and reconstruct one or more rehab/reconstruction projects.	\$2,505	\$0	\$0	\$2,505	\$0	\$2,505
Watsonville Shuttle	WAT-P27	Year round public transit service.	\$0	\$0	\$0	\$0	\$370	\$370
Watsonville-wide HOV priority	WAT-P56	Evaluate HOV priority at signals and HOV queue bypass.	\$0	\$0	\$0	\$0	\$60	\$60
West Beach St (Lee Rd to Ohlone Parkway)	WAT-P66	Repair, reconstruct and/or upgrade pavement, bike lanes, sidewalks, transit facilities, signage and striping	\$0	\$0	\$0	\$0	\$3,600	\$3,600
West Beach St/Ohlone Pkwy Signal	WAT-P89	Install traffic signal	\$130	\$0	\$0	\$130	\$0	\$130

Project Title	ID	Project Description/Scope	Financially Constrained Costs				Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained		
West Lake Ave Modifications (Main St to Rodriguez St)	WAT-P41	Repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping	\$0	\$0	\$0	\$0	\$300	\$300
City of Watsonville Total Cost			\$26,912	\$36,238	\$52,330	\$115,480	\$174,686	\$290,166

Consolidated Transportation

Countywide Specialized Transportation	CTSA-P01	Non-ADA mandated paratransit and other specialized transportation service for seniors and people with disabilities. Includes medical service rides, Elderday, out-of-county rides, Sr. Meal Site, Taxi Script, and same day rides etc. Constrained annual=\$2.3M; total need \$3M/yr	\$3,640	\$23,660	\$24,450	\$51,750	\$23,250	\$75,000
Lift Line EV Modernization Project	CTSA-P07	Replace 3 gas-powered vehicles with 3 electric vehicles in order to extend the useful life of the program while promoting safety, increasing access to vital transportation services, and reducing greenhouse gas emissions for eligible community members with limited mobility.	\$0	\$0	\$0	\$0	\$560	\$560
Lift Line Maintenance/Operations Center	CTSA-P02	Construct a permanent maintenance center/consolidated operations facility for paratransit program (currently Lift Line). Measure D being used to finance.	\$0	\$15,500	\$0	\$15,500	\$0	\$15,500
Medical Specialized Transportation for Veterans	CTSA-P06	Non-emergency medical transportation for veterans	\$0	\$0	\$0	\$0	\$6,500	\$6,500
Medically Fragile Specialized Transportation	CTSA-P04	Non-emergency transportation service for medically fragile individuals. Includes operations and capital.	\$0	\$0	\$0	\$0	\$5,000	\$5,000
Non-ADA Paratransit Service Expansion	CTSA-P03	Expansion of non-ADA paratransit system to meet needs of growing elderly and disabled populations. May include pre/post natal transport to medical appointments.	\$0	\$0	\$0	\$0	\$21,700	\$21,700
Consolidated Transportation Total Cost			\$3,640	\$39,160	\$24,450	\$67,250	\$57,010	\$124,260

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
County Health Services Agency								
Santa Cruz County Health Service Agency - Traffic Safety Education	CO 50	Ongoing education program to decrease the risk and severity of collisions. Includes bicycle and pedestrian programs: Community Traffic Safety Coalition, South County coalition, and Ride n' Stride Bicycle/Pedestrian Education Program.	\$200	\$1,300	\$1,000	\$2,500	\$4,900	\$7,400
County Health Services Agency Total Cost			\$200	\$1,300	\$1,000	\$2,500	\$4,900	\$7,400
County of Santa Cruz								
26th Ave Improvements (entire length-Portola Dr to end)	CO-P31a	Roadway and roadside improvements on various Major Collectors including sidewalks, bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$0	\$0	\$2,580	\$2,580
26th to 30th (at Lode/Quartz) Bike/Ped Connection	CO-P78	New bike/ped connection from Lode and Quartz to Moran Trail, which connects to 30th.	\$0	\$0	\$0	\$0	\$520	\$520
37th/38th Ave (Brommer to Eastcliff) Multimodal Circulation Improvements and Greenway	CO-P27a	Evaluate and if feasible improve vehicle and transit access on 38th Avenue from East Cliff to Brommer and develop greenway on 37th Avenue from East Cliff to Portola. Roadway improvements may include roadway and roadside improvements including sidewalks, bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals), transit turnouts, left turn pockets, and intersection improvement.	\$0	\$570	\$0	\$570	\$1,500	\$2,070
41st Ave Improvements Phase 2 (Hwy 1 Interchange to Soquel Dr)	CO-P26a	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$340	\$0	\$340	\$900	\$1,240
Airport Blvd Improvements (City limits to Green Valley Rd)	CO-P02	Major rehab, addition of bike lanes, transit facilities, merge lanes, intersection improvements, sidewalks, drainage, and landscaping.	\$0	\$1,240	\$0	\$1,240	\$0	\$1,240
Alba Rd Improvements (Empire Grade to State Hwy 9)	CO-P30b	Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$0	\$0	\$0	\$1,760	\$1,760

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Amesti Road Multimodal Improvements (Green Valley to Brown Valley Rd)	CO-P03	Roadway rehab and reconstruction, left turn pockets at Green Valley Road, Pioneer Road/Varni Road. Add bike lanes, transit turnouts, sidewalks, merge lanes, landscaping, and intersection improvements.	\$0	\$600	\$0	\$600	\$5,600	\$6,200
Aptos Beach Dr Improvements (Esplanade to Rio Del Mar Blvd)	CO-P27b	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Beach Road Improvements (City limits to Pajaro Dunes)	CO-P26b	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$340	\$0	\$340	\$900	\$1,240
Bean Creek Rd Improvements (Scotts Valley City Limits to Glenwood Dr)	CO-P28a	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$485	\$485	\$1,275	\$1,760
Bear Creek Road Improvements (Hwy 9 to Hwy 35)	CO-P04	Major rehab, add bike lanes, turnouts, merge lanes, and intersection improvements. Some landscaping and drainage improvements also.	\$0	\$0	\$250	\$250	\$4,500	\$4,750
Bonita Dr Improvements (entire length)	CO-P29b	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Bonny Doon Rd Improvements (Hwy 1 to Pine Flats Rd)	CO-P43	Construction of a Class 1 bike lane facility, addition of transit stops, intersection improvements, major road rehabilitation, road maintenance, and drainage improvements.	\$0	\$0	\$0	\$0	\$8,260	\$8,260

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Bowker Rd Improvements (entire length-Buena Vista Dr to Freedom Blvd)	CO-P33a	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$0	\$0	\$620	\$620
Branciforte Dr Improvements (City of Santa Cruz to Vine Hill Rd)	CO-P30c	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$0	\$0	\$0	\$1,760	\$1,760
Branciforte Drive Chip Seal Project (Granite Creek Rd to SC city limits - 1.91mi)	CO 82	Roadway rehabilitation: Digouts, Rubberized Chip Seal, and restriping of a portion of Branciforte Drive	\$433	\$0	\$0	\$433	\$0	\$433
Brimblecom Road Bridge Replacement	CO-P100	The project will consist of completely replacing the existing narrow one lane structure and roadway approaches with a two lane clear span concrete bridge and standard bridge approaches.	\$0	\$0	\$0	\$0	\$2,746	\$2,746
Brown Valley Rd Improvements (Corralitos Rd to Redwood Rd)	CO-P26d	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$340	\$340	\$900	\$1,240
Buena Vista Rd Improvements (San Andreas to Freedom Blvd)	CO-P26e	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$825	\$825	\$2,175	\$3,000
Bulb Ave Road Improvements (Garden St to Capitola City Limits)	CO-P65	Roadway and roadside improvements including curb, gutter, sidewalk, bike lanes, left turn lanes, intersection improvements and roadway rehabilitation.	\$0	\$0	\$0	\$0	\$770	\$770
Cabrillo College Dr Improvements (Park Ave to Twin Lakes Church)	CO-P30d	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$240	\$0	\$240	\$1,000	\$1,240

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Capital improvement projects consistent with the Sustainable Santa Cruz County Plan	CO-P96	Construct associated multi-modal infrastructure improvements associated with the Sustainable Santa Cruz County Plan	\$0	\$5,000	\$2,000	\$7,000	\$15,000	\$22,000
Capitola Rd Ext Improvements (Capitola Rd to Soquel Ave)	CO-P31b	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Carol Way/Lompico Creek Bridge Replacement	CO-P49	Replace existing single span-two lane bridge construction of steel girders and long deck with new 30 ft wide single span flat sale concrete bridge. Include (2) 11 ft lanes and (2) 4 ft shoulders.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Cassery Rd Improvements (Hwy 152 to Green Valley Rd)	CO-P26g	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$208	\$208	\$562	\$770
Cathedral Dr Improvements (entire length)	CO-P33b	Roadway and roadside improvements on Minor Collector. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$0	\$0	\$620	\$620
Center Ave/Seacliff Dr Improvements (Broadway to Aptos Beach Dr)	CO-P26h	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$340	\$0	\$340	\$900	\$1,240
Chanticleer Ave Improvements (Hwy 1 to Soquel Dr)	CO-P26i	Roadway and roadside improvements including bike lanes, sidewalks, drainage and intersection improvements.	\$0	\$340	\$0	\$340	\$900	\$1,240
Cliff Dr Improvements (Rio Del Mar to Railroad Crossing)	CO-P29c	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$0	\$0	\$620	\$620
Clubhouse Drive Improvements (Sumner Av to Rio Del Mar Blvd)	CO-P32a	Road rehabilitation and maintenance. Roadside improvements: left lane pockets, sidewalks, bike lanes and transit turnouts.	\$0	\$0	\$0	\$0	\$1,450	\$1,450

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
College Road Improvements (Hwy 152 to Lakeview Rd)	CO-P23	Major road rehab, add left turn pocket at Cutter Drive. Also add bike lanes, transit turnouts, sidewalks, landscaping. Drainage improvements, merge lanes, and intersection improvements may also be needed.	\$0	\$0	\$0	\$0	\$1,760	\$1,760
Commercial Way Improvements (Mission Dr. to Soquel Dr.)	CO-P28c	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$170	\$170	\$450	\$620
Corcoran Ave Improvements (Alice St to Felt St)	CO-P27c	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$0	\$150	\$0	\$150	\$470	\$620
Corralitos Road Rehab and Improvements (Freedom Blvd to Hames Rd)	CO-P08	Major rehab, transit, bike, and ped facilities. May also include drainage, merge lanes, landscaping and intersection improvements.	\$0	\$620	\$0	\$620	\$0	\$620
County wide guardrail	CO-P97	Install guardrail on County roads	\$0	\$10,000	\$5,000	\$15,000	\$0	\$15,000
Countywide ADA Access Ramps	CO-P37	Construction of handicapped access ramps countywide.	\$45	\$450	\$125	\$620	\$620	\$1,240
Countywide Bike Projects	CO-P71	Bike projects based on needs identified through the Santa Cruz County Bicycle Plan and plan updates. These are in addition to projects listed individually in the RTP.	\$0	\$0	\$0	\$0	\$4,130	\$4,130
Countywide General Road Maintenance and Operations	CO-P35	Ongoing maintenance, repair, and operation of road/street system within the unincorporated areas of the county.	\$33,200	\$110,000	\$318,000	\$461,200	\$53,800	\$515,000
Countywide Sidewalks	CO-P41	Install sidewalks.	\$1,000	\$5,000	\$1,000	\$7,000	\$65,310	\$72,310
Day Valley Rd Improvements (entire length-Freedom Blvd to Valencia Rd)	CO-P31c	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$0	\$0	\$1,240	\$1,240

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
East Cliff (26th to Moran Way) Sidewalk Improvement	CO-P77	Install sidewalk from 26th south to link to Moran Way.	\$0	\$0	\$0	\$0	\$410	\$410
East Cliff Dr Pedestrian Pathway (17th-Palisades Ave)	CO-P103	Construct sidewalks and bike lanes on East Cliff where there are gaps	\$0	\$0	\$0	\$0	\$7,000	\$7,000
East Cliff Dr Pedestrian Pathway (7th-12th Ave)	CO-P50	Construct pedestrian pathway on East Cliff.	\$0	\$1,760	\$0	\$1,760	\$0	\$1,760
East Cliff Drive Cape Seal (12th-17th)	CO 66	Pavement maintenance, isolated section digout and asphalt replacement and cape seal on entire roadway.	\$230	\$0	\$0	\$230	\$0	\$230
East Cliff Drive Improvements (32nd Ave to Harbor)	CO-P09	Roadway rehab, add left turn pockets at 26th and 30th Ave, fill gaps in bikeways and sidewalks, add transit turnouts, intersection improvements. Some landscaping and drainage improvements.	\$0	\$1,000	\$500	\$1,500	\$3,250	\$4,750
East Zayante Rd Improvements (Lompico Rd to just before Summit Rd)	CO-P26j	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$485	\$485	\$1,275	\$1,760
Either Way Ln Bridge Replacement Project	CO-P88	The project will consist of completely replacing the existing narrow one lane structure and roadway approaches with a two lane clear span precast voided concrete slab bridge and standard bridge approaches.	\$0	\$0	\$2,180	\$2,180	\$0	\$2,180
El Dorado Ave Road Improvements (Capitola Rd to RR)	CO-P67	Roadway and roadside improvements including curb, gutter, buffered sidewalk, bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals), left turn lanes, intersection improvements and roadway rehabilitation.	\$0	\$0	\$0	\$0	\$1,810	\$1,810
El Rancho Dr Improvements (Mt. Hermon/Hwy 17 to SC city limits)	CO-P26k	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$655	\$655	\$1,725	\$2,380

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Emergency Routes Resurfacing: Alba & Jamison Creek Roads	CO 90	Pavement maintenance of approximately 7.08 miles of roadway including all of Alba Rd and Jamison Creek Rd. Isolated sections of digout and asphalt replacement where rutting has occurred & isolated asphalt leveling courses, followed by resurfacing of the entire roadway, restriping. Covers existing roadway edge to existing roadway edge.	\$2,084	\$0	\$0	\$2,084	\$0	\$2,084
Empire Grade Improvements	CO-P10	Road rehab and maintenance, left turn pocket at Felton Empire Road, add bike lanes, transit facilities, some sidewalks, landscaping. Drainage improvements, merge lanes, and intersection improvements may also be needed.	\$0	\$775	\$415	\$1,190	\$3,560	\$4,750
Eureka Canyon Rd Improvements (Hames Rd to Buzzard Lagoon Rd)	CO-P26l	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$655	\$655	\$1,725	\$2,380
Felton Empire Road Improvements (entire length to State Hwy 9)	CO-P28d	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$655	\$655	\$1,725	\$2,380
Fern Dr @ San Lorenzo River Bridge Replacement Project	CO-P90	The project will consist of completely replacing the existing three span single lane structure and roadway approaches with a new two lane clear span reinforced concrete box girder bridge and standard bridge approaches.	\$0	\$2,830	\$0	\$2,830	\$0	\$2,830
Forest Hill Dr @ Bear Creek Bridge Replacement Project	CO-P86	The Project will consist of completely replacing existing steel girder bridge crossing Bear Creek with a new precast concrete voided slab bridge.	\$0	\$0	\$0	\$0	\$2,050	\$2,050
Freedom Blvd Multimodal Improvements (Bonita Dr to City of Watsonville)	CO-P11	Add bike lanes, sidewalks on some segments, transit turnouts, signalization. Left turn pockets at Bowker, Day Valley, White Rd, and Corralitos Rd. Also includes merge lanes, intersection improvements, landscaping, major rehabilitation and maintenance, drainage improvements.	\$0	\$775	\$0	\$775	\$2,325	\$3,100

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Glen Arbor Rd Improvements (State Hwy 9 to State Hwy 9)	CO-P30f	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Glen Arbor Road Bridge Replacement	CO-P102	The project will consist of replacing the existing narrow two lane structure and roadway approaches by widening to 12 foot lanes with 8 foot shoulders and standard bridge approaches.	\$0	\$0	\$0	\$0	\$3,959	\$3,959
Glen Arbor Sidewalk	CO-P108	Construct sidewalk, ADA ramps, crosswalks, drainage improvements and streetlights on northbound Glen Arbor Road from Pine Street to Highway 9	\$0	\$0	\$0	\$0	\$1,500	\$1,500
Glen Canyon Rd Improvements (Branciforte Dr to City of Scotts Valley)	CO-P26m	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$1,640	\$1,640	\$4,350	\$5,990
Glen Coolidge Drive/Hwy 9 Bike Path	CO-P40	Class 1 bike facility from Glen Coolidge Dr to Hwy 9 to provide eastern access to UCSC.	\$0	\$0	\$0	\$0	\$2,380	\$2,380
Glenwood Cutoff General Improvements (Glenwood Dr to Hwy 17)	CO-P61	Roadway and roadside improvements including bike lanes, left turn lanes, intersection improvements and roadway rehabilitation.	\$0	\$0	\$0	\$0	\$3,100	\$3,100
Glenwood Dr. Improvements (Scotts Valley city limits to State Hwy 17)	CO-P26n	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$825	\$825	\$2,175	\$3,000
Graham Hill Road Multimodal Improvements (City of SC to Hwy 9)	CO-P12	Bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes, traffic signals. Major rehabilitation and maintenance. Drainage improvements. Signal upgrade at SR9.	\$0	\$0	\$1,755	\$1,755	\$5,265	\$7,020

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Granite Creek Rd Improvements (Branciforte Dr to City of Scotts Valley)	CO-P30h	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$0	\$0	\$0	\$1,760	\$1,760
Green Valley Rd Bridge Replacement Project	CO-P85	The project will consist of completely replacing the existing two lane structure and roadway approaches with a two lane clear span concrete slab bridge and standard bridge approaches.	\$0	\$2,110	\$0	\$2,110	\$0	\$2,110
Green Valley Rd Pedestrian Safety Project	CO 42b	Build 6-foot wide sidewalk with some curb and gutter on NW side of Green Valley Rd from Airport Blvd to Amesti Rd (1800 ft).	\$390	\$0	\$0	\$390	\$0	\$390
Green Valley Road Improvements	CO-P13	Add two-way left turn lanes from Mesa Verde to Pinto Lake on Green Valley Rd. Also includes some road rehab and maintenance, bike lanes, sidewalks, transit facilities, landscaping, and merge lanes.	\$0	\$0	\$1,030	\$1,030	\$3,100	\$4,130
Hames Rd Improvements (entire length-Freedom Blvd to Eureka Canyon Rd)	CO-P32b	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$0	\$0	\$0	\$0	\$3,620	\$3,620
Harkins Slough Rd. Improvements (entire length-Buena Vista Dr to State Hwy 1)	CO-P32c	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$0	\$0	\$0	\$0	\$1,760	\$1,760
Harper St Improvements (entire length-El Dorado Ave to ECM)	CO-P33d	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$310	\$0	\$310	\$930	\$1,240

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Holohan Road Resurfacing	CO 93	Pavement maintenance of approximately 1.42 miles of Holohan Rd, from Green Valley Rd to 420' W/O State Hwy 152 (the project limit of the planned Holohan/152 intersection improvements). Isolated sections of digout and asphalt replacement where rutting has occurred, followed by resurfacing of the entire roadway surface and restriping. Work extends from existing roadway edge to existing roadway edge and includes repaving/restriping existing bike lanes.	\$490	\$0	\$0	\$490	\$0	\$490
Huntington Dr Improvements (Monroe Ave to Valencia Rd.)	CO-P32d	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$0	\$0	\$0	\$0	\$2,380	\$2,380
Hwy 152/Holohan - College Intersection	CO 84	Operational and school bike and pedestrian safety improvements at intersection, including: adding a left-turn lane from Holohan to EB Hwy 152, extending existing lanes on Holohan approach, adding merge lane to Hwy 152 WB. Sidewalk on north (WB) side of Hwy 152 from Holohan to Corralitos Creek bridge, adds crosswalks, bicycle facilities.	\$0	\$3,650	\$0	\$3,650	\$0	\$3,650
Hwy 9 - Downtown Felton Bike Lanes & Sidewalks (San Lorenzo Valley Trail)	CO-P46a	Install sidewalks and bicycle lanes on Hwy 9 through downtown Felton.	\$0	\$3,500	\$0	\$3,500	\$0	\$3,500
Hwy 9 - North Felton Bike Lanes & Sidewalks (San Lorenzo Valley Trail)	CO-P46b	Install sidewalk/pedestrian path on west side, shoulder widening to 5' for bicycle lanes from SLV High School in Felton to Glen Arbor Road in Ben Lomond, including frontage of SLV elementary, middle and high schools. Includes new and replacement bike/ped bridges. (Felton-SLVHS=#CT09)	\$0	\$5,000	\$0	\$5,000	\$5,000	\$10,000
Jamison Cr Rd Improvements (entire length-Empire Grade to Hwy 236)	CO-P32e	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$0	\$0	\$0	\$0	\$620	\$620

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
La Madrona Dr Improvements (El Rancho Dr to City of Scotts Valley)	CO-P14	Bike lanes, sidewalks, transit turnouts, left turn pockets at Sims Road, Highway 17, and El Rancho Road), merge lanes, and intersection improvements. Also includes major rehabilitation, drainage and maintenance.	\$0	\$0	\$905	\$905	\$2,715	\$3,620
Lakeview Road Improvements	CO-P15	Major road rehab, add left turn pocket at College Road, intersection improvements at Carlton Rd. Also add bike lanes, new transit facilities, landscaping. Drainage improvements, merge lanes, and intersection improvements may also be needed.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Larkin Valley Rd Improvements (San Andreas Rd to Buena Vista Dr)	CO-P30i	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$0	\$0	\$0	\$620	\$620
Larkspur Bridge @San Lorenzo River	CO-P91	The project will consist of completely replacing the existing narrow one lane structure and roadway approaches with a two lane bridge and standard bridge approaches.	\$0	\$0	\$3,930	\$3,930	\$0	\$3,930
Laurel Glen Rd Improvements (Soquel-San Jose Rd to Mt. View/Rodeo Gulch Rd)	CO-P30j	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Ledyard Way Improvements (entire length-Soquel Dr to Soquel Dr)	CO-P31d	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$0	\$0	\$620	\$620
Lockhart Gulch Improvements (Scotts Valley City limits to end)	CO-P31e	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$0	\$0	\$1,240	\$1,240

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Lockwood Lane Improvements (Graham Hill Rd to SV limits)	CO-P24	Major road rehab, add bicycle lanes, sidewalks, some transit facilities, landscaping, and intersection improvements.	\$0	\$243	\$0	\$243	\$638	\$881
Lompico Rd Bridge Replacement	CO-P95	The project will consist of replacing existing steel stringer bridge with a reinforced concrete slab bridge	\$0	\$0	\$0	\$0	\$1,860	\$1,860
Lompico Rd Improvements (E Zayante Rd. to end)	CO-P30k	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$0	\$0	\$0	\$620	\$620
Maciel Ave Improvements (Capitola Rd to Mattison Ln)	CO-P29e	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$400	\$0	\$400	\$1,050	\$1,450
Main St Improvements (Porter St to Cherryvale Ave)	CO-P27e	Roadway and roadside improvements on Major Collector including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$0	\$1,360	\$400	\$1,760	\$0	\$1,760
Manfre Rd Improvements (entire length-Larkin Valley Rd to Buena Vista Dr)	CO-P33e	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$0	\$0	\$620	\$620
Mar Monte Ave Improvements (San Andreas Rd to State Hwy 1)	CO-P30l	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$0	\$0	\$0	\$620	\$620

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Mar Vista Dr Improvements (entire length-just before Seacliff Dr to Soquel Dr)	CO-P33f	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, buffered sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$0	\$0	\$300	\$300
Mattison Ln Improvements (Chanticleer Ave to Soquel Ave)	CO-P26p	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$400	\$0	\$400	\$1,050	\$1,450
MBSST Rail Trail: 17th Ave-Jade St Park & Monterey Ave to Aptos Crk Road	TRL 10-11	Bicycle/pedestrian pathway parallel to railroad tracks through sections of Live Oak, Capitola, and Aptos. Segments 10 & 11 of Monterey Bay Sanctuary Scenic Trail Network (MBSST)/Coastal Rail Trail.	\$4,000	\$62,000	\$0	\$66,000	\$0	\$66,000
McGregor Dr Improvements (Capitola city limits to Searidge Rd)	CO-P33g	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Mesa Dr Improvements (Vienna Drive to Ledyard Way)	CO-P31f	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Mill St Improvements (entire length)	CO-P27f	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$0	\$280	\$80	\$360	\$0	\$360
Mountain View Rd Improvements (Branciforte Dr to Rodeo Gulch Rd)	CO-P27g	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Mt. Hermon Rd. Improvements (Lockhart Gulch to Graham Hill Rd)	CO-P26q	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$825	\$825	\$2,175	\$3,000

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Murphy Crossing Improvements	CO-P39	Bikeway on Murphy Crossing (Hwy 129 to Monterey Co line), major rehabilitation and maintenance of road, drainage improvements may also be needed.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Opal Cliff Dr Improvements (41st Av to Capitola City Limits)	CO-P31g	Roadway, roadside and intersection improvements including sidewalks, bike treatments (such as buffered and/or painted bike lanes), designed to accommodate the number of users and link to East Cliff Drive.	\$0	\$0	\$290	\$290	\$950	\$1,240
Pajaro River Bike Path System	CO-P38	Construction of a Class 1 bike path along the levees and a Class 2 bikeway on Thurwatcher Road and Beach Road.	\$0	\$2,000	\$500	\$2,500	\$7,000	\$9,500
Pajaro River Flood Risk Management Project	CO-P106	Rebuild Pajaro River Levees to mitigate flood danger. Includes rebuilding Highway 129 and 152 bridges at Salsipuedes Creek and Corralitos Creek and other transportation facilities within the project envelope. [Total flood control project estimated to cost \$400M and primarily funded by State and Federal water and U.S. Army Corps of Engineers grants, which are not part of the RTP Financial Element]	\$0	\$1	\$0	\$1	\$0	\$1
Paul Minnie Ave. Improvements (Rodriguez St to Soquel Ave)	CO-P29f	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$340	\$0	\$340	\$900	\$1,240
Paul Sweet Road Improvements (Soquel Dr to end)	CO-P22	Major road rehab and maintenance. Also adds bike lanes, sidewalks, landscaping. Drainage improvements, merge lanes, and intersection improvements, and new transit facilities may also be needed.	\$0	\$0	\$310	\$310	\$930	\$1,240
Paulsen Rd Improvements (Green Valley Rd to Whiting Rd)	CO-P27h	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$0	\$0	\$240	\$240	\$1,000	\$1,240

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Pine Flat Rd Improvements (Bonny Doon Rd to Empire Grade Rd)	CO-P28f	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$655	\$655	\$1,725	\$2,380
Pinehurst Dr Improvements (entire length)	CO-P27i	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$0	\$0	\$180	\$180	\$700	\$880
Pioneer Rd Improvements (Amesti Rd to Green Valley Rd)	CO-P31h	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$0	\$0	\$880	\$880
Pleasant Way Bridge Replacement	CO-P99	The project will consist of completely replacing the existing narrow one lane structure and roadway approaches with a two lane clear span concrete bridge and standard bridge approaches.	\$0	\$0	\$0	\$0	\$3,740	\$3,740
Polo Dr Improvements (Soquel Dr to end)	CO-P29g	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$0	\$0	\$1,450	\$1,450
Porter St Improvements (Soquel Dr to Paper Mill Rd)	CO-P26r	Roadway and roadside improvements including buffered sidewalks and bicycle treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) to address speed inconsistency between bicyclists and vehicles, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$340	\$0	\$340	\$900	\$1,240
Quail Hollow Rd Bridge Replacement Project	CO-P82	The project will consist of completely replacing the existing two lane structure and roadway approaches with a two lane clear span concrete bridge and standard bridge approaches.	\$0	\$0	\$0	\$0	\$2,430	\$2,430

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Quail Hollow Rd Improvements (entire length- East Zayante to Glen Arbor Rd)	CO-P32f	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$0	\$0	\$0	\$0	\$830	\$830
Rancho Rio Ave @ Newell Creek Bridge Replacement Project	CO-P87	The project will consist of completely replacing the existing one lane structure and roadway approaches with a two lane clear span concrete slab bridge and standard bridge approaches.	\$0	\$0	\$0	\$0	\$1,730	\$1,730
Redwood Lodge Rd (Entire Length)	CO-P51	Roadway and roadside improvements including curb, gutter, sidewalk, bike lanes, left turn lanes, intersection improvements and roadway rehabilitation.	\$0	\$0	\$0	\$0	\$3,100	\$3,100
Rio Del Mar Blvd Improvements (Esplanade to Soquel Dr)	CO-P30n	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$725	\$0	\$725	\$2,275	\$3,000
Rodeo Gulch Rd Improvements (So & North: Mt. View/Laurel Glen Rd to Hwy 1)	CO-P31i	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$0	\$0	\$1,760	\$1,760
Roland Dr Improvements (30th to 35th)	CO-P31j	Roadway and roadside improvements and implementation of greenway, which gives priority to bicycles and pedestrians on low volume, low speed streets including, pedestrian facilities, way finding and pavement markings, bicycle treatments to connect to new bike/ped connection to 41st.	\$0	\$0	\$0	\$0	\$880	\$880
San Andreas Road Resurfacing	CO 91	Pavement maintenance of approximately 3.01 miles of San Andreas Rd, from 365' S/O Manresa State Beach to Sunset Beach Rd. Isolated sections of digout and asphalt replacement where rutting has occurred, followed by resurfacing of the entire roadway surface and restriping. Work extends from existing roadway edge to existing roadway edge and includes repaving/restriping existing bike lanes.	\$1,863	\$0	\$0	\$1,863	\$0	\$1,863

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
San Lorenzo River Valley Trail	CO-P46	15 mile, paved multi-use path for bicyclists and pedestrians from Boulder Creek to Santa Cruz along SLV River corridor.	\$0	\$0	\$0	\$0	\$40,000	\$40,000
San Lorenzo Way Bridge Replacement Project	CO-P83	The project will consist of completely replacing the existing one lane structure and roadway approaches with a two lane clear span bridge and standard bridge approaches.	\$0	\$0	\$3,190	\$3,190	\$0	\$3,190
Seacliff Dr Improvements (entire length)	CO-P27j	Roadway and roadside improvements on various Major Collectors including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$0	\$0	\$0	\$0	\$1,760	\$1,760
Seacliff Village/State Park Drive Improvements	CO 36	Construct sidewalks, bike lanes, bus turnouts/stops, central plaza, street lighting, EV charging station, parking, landscaping, drainage and roadway overlay in Seacliff core area- consistent with the Seacliff Village Plan adopted by the BOS in 2003.	\$0	\$3,096	\$0	\$3,096	\$0	\$3,096
Seascape Blvd Improvements (Sumner Ave to San Andreas Rd)	CO-P26s	Roadway improvements and pavement rehabilitation.	\$0	\$170	\$0	\$170	\$450	\$620
Sims Road Improvements (Graham Hill Rd to La Madrona Dr)	CO-P17	Road rehab and maintenance, drainage, intersection improvements, landscaping, add bike, ped, and transit facilities.	\$0	\$0	\$440	\$440	\$1,320	\$1,760
Smith Grade Improvements (entire length-Empire Grade to Bonny Doon Rd)	CO-P32g	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$0	\$0	\$0	\$0	\$2,380	\$2,380
Soquel Ave Improvements (City of SC to Gross Rd)	CO-P18	Transit turnouts, two way left turn lanes from Chanticleer to Mattison, merge lanes, signalization and intersection improvements. Signals at Chanticleer and Gross Rd. Roadwork: major rehabilitation and maintenance, perhaps drainage improvements. Roadside: sidewalks, landscaping, and new transit facilities.	\$0	\$2,560	\$750	\$3,310	\$0	\$3,310

Financially Constrained Costs

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
Soquel Dr Buffered Bike Lane and Congestion Mitigation Project	CO 89	Adaptive traffic signal control/transit signal priority at all 23 intersections between La Fonda Ave and State Park Dr; Protected bike lanes with striping/bollards for approximately 2.4 miles (4.8 miles bidirectional) and buffered bike lanes with striping for approximately 2.65 miles (5.3 miles bidirectional); 46 green bike boxes at 23 intersections for left turn movements; Pedestrian improvements including: 10 rectangular rapid flashing beacons at midblock crossings; 0.46 miles of new curb, gutter, retaining wall and sidewalk construction; 96 crosswalk upgrades, 12 sidewalk curb extensions; 100 ADA ramps; and reconstruction of 17 driveway and side street connections; Cape seal of pavement for entire project length	\$27,000	\$0	\$0	\$27,000	\$0	\$27,000
Soquel Dr Improvements (Soquel Ave to Freedom Blvd)	CO-P19	Major rehab, merge lanes, intersections improvements, signal coordination, transit turnouts, fill sidewalk and bike facility gaps, some landscaping. Additional elements shown in CO 89.	\$0	\$0	\$0	\$0	\$15,000	\$15,000
Soquel Dr Road Improvements (Robertson St to Daubenbiss)	CO-P62	Roadway and roadside improvements including curb, gutter, sidewalk, bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals), left turn lanes, intersection improvements and roadway rehabilitation.	\$0	\$410	\$0	\$410	\$0	\$410
Soquel Dr to 41st Ave Dedicated Right Turn Lane	CO-P104	Project will add a dedicated right turn lane in the eastbound direction of Soquel Dr to 41st Ave	\$0	\$0	\$0	\$0	\$550	\$550
Soquel Dr to Soquel Ave Dedicated Right Turn Lane	CO-P105	Project will add a dedicated right turn lane in the eastbound direction of Soquel Dr to Soquel Ave	\$0	\$0	\$0	\$0	\$550	\$550
Soquel Dr Traffic Signal and Left Turn Lane (Robertson St)	CO-P58	Install left turn lane at signalized intersection from Soquel Dr to Robertson St and associated roadside improvements	\$0	\$0	\$0	\$0	\$1,000	\$1,000
Soquel Dr. Reversible Lane (Flex Lane) Feasibility Study	CO-P107	Feasibility study to install reversible/flex lanes on Soquel Dr. The project aims to reduce trip delays, congestion and air quality.	\$0	\$0	\$0	\$0	\$50	\$50

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Soquel San Jose Rd/ Porter St - Road Resurfacing & Multimodal Improvements	CO 92	Pavement maintenance of approximately 3.15 miles of Soquel San Jose Road and 0.18 miles of Porter Street, forming a continuous section from Soquel Drive to Laurel Glen Rd. Isolated sections of digout and asphalt replacement where rutting has occurred, followed by resurfacing of the entire roadway surface and restriping. Work extends from existing roadway edge to existing roadway edge and includes repaving/restriping existing bike lanes. Includes multimodal improvements in Soquel Village, possibly green lanes, ped crossing enhancements, etc.	\$1,643	\$0	\$0	\$1,643	\$0	\$1,643
Soquel-San Jose Rd Improvements (Paper Mill Rd to Summit Rd)	CO-P36	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$500	\$80	\$580	\$2,000	\$2,580
Soquel-Wharf Rd Improvements (Robertson St to Porter St)	CO-P28g	Roadway and roadside improvements on various Minor Arterials including addition of bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals), transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$515	\$515	\$515	\$1,030
Spreckels Dr Improvements (Soquel Dr to Aptos Beach Dr)	CO-P27k	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement. Also includes improvements to pedestrian facilities.	\$0	\$0	\$340	\$340	\$900	\$1,240
Spreckels Dr/Treasure Island Dr Improvements	CO-P42	Addition of bike lanes, intersection improvements, major road rehabilitation, road maintenance, and possible drainage improvements.	\$0	\$0	\$0	\$0	\$620	\$620
State Park Drive Improvements Phase 2	CO-P20	Transit turnouts, two way left turn, merge lanes, intersection improvements, and fill gaps in bike and ped facilities including pedestrian crossing improvements, bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals). Plus, major rehabilitation and maintenance, drainage improvements, landscaping.	\$0	\$0	\$335	\$335	\$1,005	\$1,340

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Summit Rd Improvements	CO-P26u	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$1,530	\$1,530	\$4,050	\$5,580
Sumner Ave Improvements (entire length-Rio Del Mar Blvd to end [just past via Novella])	CO-P32h	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$0	\$0	\$0	\$0	\$1,450	\$1,450
Swanton Rd Bridge Replacement	CO-P94	The project will consist of replacing existing 3 span steel girder bridge with a single span concrete box girder bridge	\$0	\$0	\$0	\$0	\$2,540	\$2,540
Thompson Ave Improvements (entire length-Capitola Rd to end)	CO-P33h	Roadway and roadside improvements including major rehabilitation and maintenance of road and includes implementation of greenway, which gives priority to bicycles and pedestrians on low volume, low speed streets including, pedestrian facilities, way finding and pavement markings, bicycle treatments to connect to MBSST.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Thurber Ln Improvements (entire length)	CO-P28h	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$485	\$485	\$1,275	\$1,760
Thurwachter Road Bike Lanes	CO-P68	Install bicycle lanes.	\$0	\$0	\$0	\$0	\$50	\$50
Trout Gulch Rd Improvements (Soquel Dr. to end)	CO-P30p	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$0	\$0	\$0	\$3,000	\$3,000
Two Bar Road Bridge Rehabilitation	CO-P101	The project will consist of rehabilitating the existing narrow one lane structure and roadway approaches by widening to two lanes with shoulders and standard bridge approaches.	\$0	\$0	\$0	\$0	\$1,696	\$1,696

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Upper Zayante Rd Improvements	CO-P98	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$0	\$0	\$0	\$0	\$1,500	\$1,500
Valencia Rd Improvements (Trout Gulch Rd to Valencia School Rd)	CO-P32j	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$0	\$0	\$0	\$0	\$1,760	\$1,760
Varni Rd Improvements (Corralitos Rd to Amesti Rd)	CO-P28i	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$340	\$340	\$900	\$1,240
Vine Hill Rd Improvements (Branciforte/Mt. View Rd to State Hwy 17)	CO-P30q	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$0	\$0	\$0	\$0	\$1,450	\$1,450
Wallace Ave Improvements (entire length-Huntington Dr to end)	CO-P33i	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$0	\$0	\$880	\$880
Webster St Improvements (Jose Ave to 16th St)	CO-P29h	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$0	\$0	\$0	\$0	\$1,240	\$1,240
Winkle Ave Improvements (entire length from Soquel Dr)	CO-P27I	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$0	\$0	\$655	\$655	\$1,725	\$2,380
County of Santa Cruz Total Cost			\$72,378	\$231,765	\$356,173	\$660,316	\$408,156	\$1,068,472

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
Ecology Action								
Bike Challenge +	EA 03a	Online tracking and encouragement platform to encourage and reward people to bike commute more often. Twice-a-year monthly bike challenge, year-round encouragement tools, bike commuter workshops, marketing, group rides, and data/survey collection.	\$0	\$0	\$181	\$181	\$3,500	\$3,681
Bike To Work/School Program	RTC 26	Countywide education, promotion, and incentive program to actively encourage bicycle commuting and biking to school. Coordinates efforts with local businesses, schools, and community organizations to promote bicycling on a regular basis. Provides referrals to community resources. Avg annual cost: \$140K/yr-includes in-kind donations and staff time.	\$180	\$1,300	\$390	\$1,870	\$2,000	\$3,870
Ecology Action Transportation Employer Membership Program	RTC 17	Community organization that promotes alternative commute choices. Work with employers, incentives for travelers to get out of SOVs including: emergency ride home, interest-free bike loans, discounted bus passes. Avg cost: \$90K/yr. Coordinates with Bike to Work program.	\$90	\$585	\$450	\$1,125	\$1,375	\$2,500
Monterey Bay Electric Vehicle Alliance (MBEVA)	VAR-P22	Help facilitate this broad collaboration of PEV advocates, businesses, union labor, manufacturers and public agencies to assist the adoption of PEV's in the Monterey Bay region. EV Equity education and EV buying assistance for low and moderate income consumers. MBEVA's main goals are to: create PEV infrastructure in this region, educate the public on the benefits of PEV's, educate gov't agencies on ways to streamline PEV policy, permitting, and implementation, and help train workforce for PEV related jobs.	\$0	\$0	\$0	\$0	\$2,500	\$2,500
SRTS Youth Pedestrian and Bicycle Safety Education (BikeSmart and WalkSmart)	EA 02	'Feet on the ground' pedestrian safety education to 2nd graders and bike safety education and 'rodeos' with 5th graders at schools countywide.	\$60	\$300	\$90	\$450	\$7,920	\$8,370
Ecology Action Total Cost			\$330	\$2,185	\$1,111	\$3,626	\$17,295	\$20,921

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Highway								
Hwy 1 Ramp Metering: Southern Sections	CT-P01	Reconfigurations of ramps and installation of ramp meters at interchanges from Hwy 129/Riverside Dr to Mar Monte Ave. Could be implemented as local lead project.	\$0	\$0	\$0	\$0	\$20,600	\$20,600
Hwy 17 Access Management - Laurel Rd/Sugarloaf Rd/Glenwood Cutoff Area Grade Separation Concept	CT-P52	New structure providing grade-separation to facilitate crossing and turnaround.	\$0	\$0	\$0	\$0	\$40,000	\$40,000
Hwy 17 Access Management - Multimodal Improvements	CT-P50	Multimodal improvements including park and ride improvements, and facilities serving separated bike/ped crossing or express transit route.	\$0	\$0	\$5,000	\$5,000	\$15,000	\$20,000
Hwy 17 Access Management - Old Santa Cruz Hwy Area Grade Separation Concept	CT-P53	New structure providing grade-separation to facilitate crossing and turnaround.	\$0	\$0	\$0	\$0	\$40,000	\$40,000
Hwy 17 Access Management - Operational Improvements	CT-P49	Operational improvements to existing facilities including ramp modifications, accel/decel lanes, turning lanes, driveway consolidation, driveway channelization, etc.	\$0	\$10,000	\$0	\$10,000	\$40,000	\$50,000
Hwy 17 Access Management - Vine Hill Area Grade Separation Concept	CT-P51	New structure providing grade-separation to facilitate crossing and turnaround.	\$0	\$0	\$0	\$0	\$40,000	\$40,000
Hwy 9 SLV Corridor Projects	CT-P09	May be implemented by Caltrans or County of SC, in partnership with others. Implementation of priorities identified in the Complete Streets Corridor Plan. Includes improvements to increase safety and discourage speeding, updated and expanded bicycle and pedestrian facilities including shoulder widening, auto turn lanes and other auto circulation improvements, and transit improvements in SLV. SLV Complete Streets PID development efforts underway; some may be integrated into SHOPP projects. Capital Cost Est. TBD - preliminary estimate \$100-150 million. \$10M Measure D. Some bike/ped elements also shown in CO-P46a/b.	\$2,500	\$15,000	\$12,500	\$30,000	\$100,000	\$130,000

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Scotts Creek Coastal Resiliency Project	CT 34	The Scotts Creek Coastal Resiliency Project will replace the Highway 1 bridge over the Scotts Creek Watershed and restore the ecosystem to maximize the climate change resilience of the bridge and ecological function of Scotts Creek marsh and lagoon ecosystem. EA 05-1M720 Replacement of bridge, road fill removal, and associated infrastructure to re-establish marsh/estuarine system currently restricted by Highway 1, benefiting multiple threatened and endangered species and resulting in a more resilient ecosystem and transportation corridor. Anticipated to be funded in-part by environmental resource/water grants. Partnership with Caltrans, CDF&W, RTC, RCD, Coastal Conservancy, and others.	\$3,530	\$0	\$0	\$3,530	\$96,470	\$100,000
SLV Schools Complex Circulation and Access Study	VAR 09s	Gather data, preliminary engineering, traffic analysis, and feasibility and needs assessment for Hwy 9 in Felton and within the SLV Schools Complex (SLV High, Middle, and Elementary Schools). Includes bicycle and walking facilities providing access to SLV Schools Complex from Felton neighborhoods and Glen Arbor Rd.	\$250	\$0	\$0	\$250	\$0	\$250
Highway Total Cost			\$6,280	\$25,000	\$17,500	\$48,780	\$392,070	\$440,850

SCCRTC

Santa Cruz Branch Rail Line Trestle Reconstruction and San Vicente Restoration	RTC-P61	Reconstruct the Santa Cruz Branch Rail Line and North Coast Rail Trail at San Vicente Creek mouth to address coastal resiliency and to reestablish the San Vicente Creek watershed currently restricted by the Santa Cruz Branch Rail Line embankment	\$0	\$3,500	\$0	\$3,500	\$96,500	\$100,000
Bike Parking Subsidy Program	RTC 16	Subsidies for bicycle racks and lockers for businesses, schools, government agencies, and non-profit organizations are all eligible. Recipients are responsible for installation and maintenance of the equipment. Avg annual cost: \$25K/yr.	\$48	\$96	\$96	\$240	\$390	\$630
County-wide Bicycle, Pedestrian and Vehicle Occupancy Counts	RTC-P50	Conduct counts to assess mode split over time and assess impact of new facilities.	\$30	\$150	\$150	\$330	\$200	\$530

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Cruz511 TDM and Traveler Information	RTC 02a	Transportation demand management including centralized traveler information system and ride matching services. Outreach, education and incentives; multimodal traveler information system on traffic conditions, incidents, road and lane closures; ride matching service for carpools, vanpools, and bicyclists; services and information about availability and benefits of all transportation modes, including sharing rides, transit, walking, bicycling, telecommuting, alternative work schedules, alternative fuel vehicles, and park-n-ride lots. Avg annual cost: \$315k.	\$347	\$2,254	\$1,734	\$4,334	\$3,540	\$7,874
Freeway Service Patrol (FSP) on Hwy 1 and Hwy 17	RTC 01	Ongoing system management and congestion reduction program. Maintain and expand tow truck patrols on Highways 1 and 17. Roving tow trucks work with the CHP to quickly remove obstructions (collisions, debris, etc) from travel lanes, and provide assistance to motorists during peak travel periods to keep incident related congestion to a minimum and keep traffic moving. Avg need: \$300k/yr constrained (some from SB1); \$430k/yr total cost.	\$600	\$3,900	\$3,000	\$7,500	\$3,250	\$10,750
MBSST - North Coast Rail Trail: Segment 5 Phase 1	TRL 5a	Monterey Bay Sanctuary Scenic Trail Network (MBSST) - ph. 1 Wilder Ranch-Coast Dairies (5.4 mi)	\$0	\$13,500	\$0	\$13,500	\$0	\$13,500
MBSST - North Coast Rail Trail: Segment 5 Phase 2	TRL 5b	2.1 miles of Class 1, 8 to 12 foot wide multi-use bicycle/pedestrian paved path with decomposed granite shoulders within the rail line right of way along the north coast of Santa Cruz County from Yellowbank Beach to Davenport. Project also includes Davenport crosswalk at Hwy 1/Ocean St and preliminary engineering and environmental compliance for parking lots at Yellowbank Beach and Davenport Beach and a path from the Bonny Doon parking lot to the rail trail.	\$0	\$8,700	\$0	\$8,700	\$0	\$8,700

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Measure D Administration and Implementation	RTC-P59	SCCRTC administration, implementation and oversight of Measure D and the revenues generated from the 2016 Santa Cruz County Transportation Sales Tax - Measure D. Costs include annual independent fiscal audits, reports to the public, preparation and implementation of state-mandated reports, oversight committee, preparation of implementation, funding and financing plans, and other responsibilities as may be necessary to administer, implement and oversee the Ordinance and the Expenditure Plan.	\$1,150	\$7,475	\$5,750	\$14,375	\$0	\$14,375
Monterey Bay Sanctuary Scenic Trail Network (Coastal Rail Trail) - Trail Management Program	RTC 27c	Coordinate trail implementation as it traverses multiple jurisdictions to ensure uniformity; serve as Project Manager for construction of some segments; handle environmental clearance; coordinate use in respect to other requirements (closures for ag spraying, etc); solicit ongoing funding and distribute funds to implementing entities through MOUs; coordinate with community initiatives; etc. (est. \$435k/yr)	\$2,200	\$4,350	\$1,000	\$7,550	\$0	\$7,550
Monterey Bay Sanctuary Scenic Trail Network - Design, Environmental Clearance, and Construction	RTC 27a	Design, environmental clearance and construction of balance of the 32-mile rail component of the 50+ mile network of bicycle and pedestrian facilities on or near the coast, with the rail trail as the spine and additional spur trails to connect to key destinations. (Funded segments listed individually under each implementing agency.)	\$9,680	\$48,400	\$62,920	\$121,000	\$121,000	\$242,000
Monterey Bay Sanctuary Scenic Trail Network (Coastal Rail Trail) - Maintenance & Operations	RTC 27b	Ongoing maintenance rail trail corridor. Includes clean-up, trash/recycling removal, graffiti abatement, brush clearance, surface repairs (from drainage issues, tree root intrusion) etc. and encroachments (est. \$1M/yr)	\$5,000	\$10,000	\$10,000	\$25,000	\$0	\$25,000
Performance Monitoring	RTC-P51	Transportation data collection and compilation to monitor performance of transportation system to advance goals/targets. Includes travel surveys of commuters, Transportation Demand Management plan, a low-stress bicycle network plan and parking standards plan.	\$20	\$100	\$100	\$220	\$1,655	\$1,875

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Planning, Programming & Monitoring (PPM) - SB45	RTC 04	Development and amendments to state and federally mandated planning and programming documents, monitoring of programmed projects. Avg annual cost: \$250k/yr.	\$400	\$2,600	\$2,000	\$5,000	\$1,250	\$6,250
Public Transit on Watsonville-Santa Cruz Rail Corridor	RTC-P02	Design, construction, and operation of public transit between Santa Cruz and Watsonville in the rail corridor. May be a joint project with the SCCRTC, SCMTD, and local jurisdictions. Annual op cost est: \$25M/yr; Capital: \$475M (Total cost reflects 2021 TCAA est. for rail). Pending final outcome of Transit Corridor Alternatives Analysis and environmental review. Cost shown includes 15 years of service during RTP period; Constrained=environmental/prelim. design assessment of possible future public transit system in the rail corridor right-of-way.	\$3,333	\$21,667	\$0	\$25,000	\$825,000	\$850,000
Rail Line Repairs and Bridge Rehabilitation	RTC 03a	Infrastructure preservation for current uses and future transportation purposes. Includes railroad bridge rehabilitation and and 2017 storm damage repairs.	\$5,800	\$0	\$0	\$5,800	\$59,200	\$65,000
Rail Line: Freight Service Upgrades	RTC-P41	Upgrade rail line to FRA Class 2 to a condition for reasonable ongoing maintenance into the future. Upgrade crossings, replace jointed rail with continuously welded rail, upgrade signals, and replace ties.	\$0	\$0	\$0	\$0	\$25,000	\$25,000
Rail Line: Pajaro River Railroad Bridge Rehabilitation	RTC 03e	Rehabilitate the bridge structure over Pajaro River.	\$670	\$0	\$0	\$670	\$0	\$670
Rail Line: Track infrastructure, signage, maintenance and repairs	RTC 03b	Ongoing operating, maintenance, repair, rehabilitation, and oversight of railroad track infrastructure and signage (~\$175k/year)	\$350	\$2,275	\$1,750	\$4,375	\$0	\$4,375
Railroad Bridge Inspections & Analysis	RTC 03d	Railroad Bridges are required to be inspected and load rated every 540 days per Federal Railroad Administration (FRA) requirements	\$500	\$3,250	\$2,500	\$6,250	\$0	\$6,250

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Recreational Rail Infrastructure	RTC 25	Seasonal passenger rail service on Santa Cruz Branch rail line. Infrastructure needed for the service is listed here (e.g. platforms, sidings, pedestrian & disabled access, rail vehicles). Unsubsidized operations will be provided by a private operator and operating costs are therefore not included here. All costs are estimated.	\$0	\$0	\$0	\$0	\$5,340	\$5,340
Regional State Transit Assistance Projects	RTC-P60	State Transit Assistance (STA) eligible transit projects	\$3,020	\$22,650	\$7,550	\$33,220	\$0	\$33,220
RTC Bikeway Map	RTC-P49	Update, print and distribute free SC County Bikeway Map and update GIS files as needed.	\$0	\$250	\$70	\$320	\$0	\$320
SAFE: Call Box System Along Hwys	RTC-P01	Motorist aid system of telephone call boxes along all highways plus maintenance and upgrades. Call boxes may be used to request assistance or report incidents. Avg annual cost: \$245k/yr	\$490	\$3,185	\$2,450	\$6,125	\$0	\$6,125
SCCRTC Administration (TDA)	RTC-P07	SCCRTC as Regional Transportation Planning Agency for Santa Cruz County distributes Transportation Development Act Local Transportation Funds and State Assistance Funds for planning, transit, bicycle facilities and programs, pedestrian facilities and programs and specialized transportation in accordance with state law and the unmet transit needs process. Average annual cost: \$650K/yr.	\$1,300	\$8,450	\$6,500	\$16,250	\$0	\$16,250
SCCRTC Planning	RTC-P08	SCCRTC Planning Tasks. Includes public outreach, long and short range planning, interagency coordination. Avg annual cost: \$625k/yr.	\$1,250	\$8,125	\$6,250	\$15,625	\$0	\$15,625
Transportation Demand Management Ordinance and User Guide	RTC-P56	Develop Model TDM Ordinance and User Guide to include provisions for both residential and non-residential projects and address program and facilities improvements in return for reductions in off-street parking requirements.	\$0	\$0	\$0	\$0	\$260	\$260

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Vanpool Incentive Program	RTC 15	Assist in start up and retention of vanpools. Includes financial incentives: new rider subsidies, driver bonuses, and empty seat subsidies. Also may include installation of wifi on vans. Avg Annual Cost: \$25k/yr.	\$0	\$70	\$30	\$100	\$570	\$670
Yellowbank/Panther Beach parking lot bicycle/pedestrian overcrossing	TRL 5c	Construction of a bicycle and pedestrian crossing of the rail line and Hwy 1 to provide access to the North Coast Rail Trail (NCRT) at formalized Yellowbank/Panther Beach with connections to Cotoni Coast Diaries.	\$0	\$0	\$0	\$0	\$2,000	\$2,000
SCCRTC Total Cost			\$36,188	\$174,946	\$113,850	\$324,984	\$1,145,155	\$1,470,139

SCCRTC/Caltrans

1 - Hwy 1 Corridor Investment Program	RTC 24a	Tier 1 – program level design/environmental analysis to establish a Corridor Investment Program (CIP) to reduce congestion along the 9 mile section of Highway 1 between San Andreas Rd/Larkin Valley Rd (Aptos) and Morrissey Boulevard (Santa Cruz). [Other RTC24_ projects are increments of the Highway 1 CIP.] Caltrans Project ID 05-0C730	\$0	\$0	\$0	\$0	\$0	\$0
2 - Hwy 1 Auxiliary Lanes & Bus on Shoulders: 41st Ave to Soquel Ave & Chanticleer Bike/Ped Bridge	RTC 24f	Construct auxiliary lanes, modify shoulders for bus operations, and construct a bicycle/pedestrian overcrossing of Hwy 1 at Chanticleer Ave. (Caltrans Project ID 05-0C732)	\$22,000	\$10,000	\$0	\$32,000	\$0	\$32,000

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
3 - Hwy 1-State Park Dr-Bay/Porter Auxiliary Lanes, Bus on Shoulders, & Mar Vista Bike/Ped Crossing	RTC 24e	Construct approximately 2.5 miles of auxiliary lanes northbound and southbound between State Park Dr and Park Ave interchange (1.2 miles) and the Park Ave and Bay/Porter interchange (0.7 miles); hybrid bus-on-shoulder/auxiliary lane facility between Bay Ave/Porter St and State Park Dr (total distance 3 miles). Includes bicycle/pedestrian overcrossing of Hwy 1 at Mar Vista Dr with sidewalk, ADA ramps, and intersection improvements at bridge approaches; reconstruction of Capitola Avenue overcrossing with wider sidewalks and bike lanes; and emergency pullouts and enforcement areas, sound wall, retaining walls, improved median barrier, lighting, overhead signs, traffic monitoring stations, drainage, and drought tolerant landscaping. [Part of Highway 1 CIP project (RTC 24a)] (EA# 05-1C733)	\$0	\$90,000	\$0	\$90,000	\$0	\$90,000
4 - Hwy 1 Auxiliary Lanes and Bus on Shoulders: Freedom Blvd to State Park Dr	RTC 24g	Construct auxiliary lanes between State Park Dr-Rio Del Mar and Rio Del Mar Blvd - Freedom Blvd interchanges and modify shoulders to allow buses to use shoulders. Includes soundwalls and retaining walls; widening of the bridge over Aptos Creek/Spreckles Drive; Segment 12 of the MBSST (State Park Dr-Rio Del Mar Blvd/Sumner); and reconstruction of two railroad bridges over Highway 1, including bike/ped trail. [Part of Highway 1 CIP project (RTC 24a)] (EA# 05-C734)	\$0	\$102,000	\$0	\$102,000	\$0	\$102,000
5 - Hwy 1: Reconstruct Morrissey Blvd Interchange	RTC 24h	Reconstruct Morrissey Blvd overcrossing with enhanced pedestrian and bicycle treatments (such as buffered or painted facilities) on both sides of the overcrossing, and/or a bicycle/pedestrian overcrossing at Trevethan Ave, reconfigure ramps and local streets to accommodate the new interchange, and ramp metering.[Part of Highway 1 CIP project (RTC 24a), but listed here as standalone project.]	\$0	\$0	\$0	\$0	\$45,800	\$45,800
6 - Hwy 1: Reconstruct Soquel Avenue Interchange	RTC 24i	Reconstruct the overcrossing with enhanced pedestrian and bicycle facilities on both sides, reconfigure ramps and local streets to accommodate the new interchange, and ramp metering. [Part of Highway 1 CIP project (RTC 24a), but listed here as standalone project.]	\$0	\$0	\$0	\$0	\$67,330	\$67,330

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
7 - Hwy 1: Reconstruct Bay Ave/Porter St and 41st Avenue Interchange	RTC 24j	Reconstruct highway to operate as a single interchange. Includes construction of a frontage road that includes bike lanes and sidewalks connecting the Bay/Porter and 41st Ave intersections ; reconstruction of the Bay/Porter undercrossing and the 41st Avenue overcrossing with enhanced pedestrian and bicycle treatments on both sides, and reconfiguration of ramps and local streets to accommodate local traffic and ramp metering. [Part of the Highway 1 CIP project (RTC 24a), but is listed here as a standalone project.]	\$4,000	\$10,000	\$0	\$14,000	\$100,000	\$114,000
94 - Hwy 1: Northbound Auxiliary Lane from San Andreas Rd/Larkin Valley Rd to Freedom Blvd	RTC 24r	Construct northbound auxiliary lane. [Note: This project was not included as part of Highway 1 CIP project (RTC 24a).]	\$0	\$0	\$10,000	\$10,000	\$0	\$10,000
95 - Hwy 1: Reconstruct Remaining Interchanges	RTC 24k	Interchange modifications not identified as separate projects (San Andreas Rd/Larkin Valley Rd, Freedom Blvd, Rio Del Mar Blvd, State Park Dr, and Park Ave) , including reconfiguration of ramps and local streets for ramp meters, enhanced pedestrian and bike treatments (such as buffered or painted facilities) in each direction and sufficient width to allow addition of HOV lanes. [Part of the Highway 1 CIP project (RTC 24a), but is listed here as a standalone project.]	\$0	\$0	\$0	\$0	\$127,200	\$127,200
96 - Hwy 1: Construction of HOV Lanes from San Andreas Rd/Larkin Valley Rd to Morrissey Blvd	RTC 24m	Construction of High Occupancy Vehicle (HOV or Carpool) Lanes on Highway 1 from San Andreas Rd/Larkin Valley Rd to Morrissey Blvd. Cost excludes auxiliary lanes, reconstruction of interchanges for ramp metering, over and under crossings, and traffic operation system (TOS) elements on the corridor. [These costs are listed separately (RTC 24 a,e,f,g,h,i,j, m,n,o,p,q,r). Could be expensed under a complete Hwy 1 HOV Lane project (RTC 24, \$603,000) but currently expensed as a standalone project.]	\$0	\$0	\$0	\$0	\$61,980	\$61,980

Financially Constrained Costs

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
97 - Hwy 1: HOV Lanes from San Andreas Rd/Larkin Valley to Morrissey Blvd	RTC 24z	Construct HOV or Carpool lanes on Highway 1 from San Andreas Rd/Larkin Valley Rd to Morrissey Blvd, including auxiliary lanes, reconstruction of interchanges with enhanced bike and pedestrian facilities, arterial and ramp modifications to allow ramp metering, a new bike/ped crossing at Trevethan, and traffic operation system (TOS) element. [Cost if built in entirety: \$603M. See stand alone projects (RTC24-series) for estimated cost of incremental implementation.] Caltrans Project ID 05-0C730	\$0	\$0	\$0	\$0	\$0	\$0
Hwy 1 Ramp Metering: Northern Sections Between San Andreas Road and Morrissey Blvd	RTC 34	Reconfiguration of ramps and local streets to allow for ramp metering and installation of ramp meters. Could be expensed under a separate stand alone project (\$6.7 M)	\$0	\$1	\$1	\$1	\$0	\$1
SCCRT/Caltrans Total Cost			\$26,000	\$212,001	\$10,001	\$248,001	\$402,310	\$650,311

SCMTD

South County Zero-Emissions Operating and Maintenance Facility	MTD-P61	Construct maintenance facility on 9.8 acre lot to meet state of California's clean energy mandates and gradually convert fleet to zero emission busses with goal for full transition by 2040	\$0	\$0	\$0	\$0	\$50,000	\$50,000
Account-based Electronic Fare Collection System	MTD 18	Account-based electronic fare collection system including the ability to use a variety of fare media including smart cards, mobile tickets on smartphones, contactless credit and debit cards, Google Pay and Apple Pay. Replacement of fareboxes at the end of useful life for cash acceptance onboard. Replacement Transit Fareboxes, Ticket Vending Machines or Retail Vendor Network.	\$180	\$1,170	\$900	\$2,250	\$0	\$2,250
ADA Access Improvements	MTD-P51	Add or improve ADA accessibility to all bus stops and METRO facilities.	\$350	\$0	\$0	\$350	\$3,872	\$4,222
ADA Paratransit Service - Continuation of Existing Service	MTD-P10C	Operation & maintenance cost of existing Paratransit service. Avg Annual Cost: \$6.5M.	\$13,000	\$84,500	\$65,000	\$162,500	\$0	\$162,500
ADA Paratransit Vehicle Replacements	MTD 02	Replace buses/vans for ADA paratransit fleet (including Accessible Taxi program).	\$420	\$2,730	\$2,100	\$5,250	\$6,550	\$11,800

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
ADA Service Expansion	MTD-P11	Add capacity to meet increased trip demand thru 2045. Assumes 2% increase/year starting in 2022.	\$0	\$0	\$0	\$0	\$4,040	\$4,040
Bike Station at Capitola Mall	MTD-P23	Establish bike station at Capitola Mall, especially to serve UCSC. Would be joint mall, UCSC, METRO project.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
Bikes on Buses Expansion	MTD-P20	Add additional space for bikes on articulated buses when/if METRO purchases or leases 60-ft articulated buses.	\$0	\$0	\$0	\$0	\$60	\$60
Bus on Shoulders Operations	MTD-P57	Operations and transit vehicles to utilize freeway shoulders and/or auxiliary lanes to bypass congestion on Highway 1 and possibly Highway 17 to speed inter-city bus service.	\$0	\$0	\$0	\$0	\$12,000	\$12,000
Bus Rapid Transit	MTD-P15	Transit signal priority, queue jumps, and enhanced stations to speed up major cross-county trunk routes.	\$0	\$0	\$0	\$0	\$36,500	\$36,500
Bus Rebuild and Maintenance	MTD-P31	Rebuild engines; Fleet maintenance equipment. Avg. cost is ~\$250k/bus, increases useful life up to 8 years at 40% of the cost of new buses.	\$480	\$3,120	\$2,400	\$6,000	\$0	\$6,000
Bus Replacements	MTD-P04	Replace fleet at the end of normal bus lifetime (approximately every 12 years; \$700k each for CNG local fixed route; \$900k each for Hwy 17 Over the Road coaches); \$1.25M for ZEB.	\$5,376	\$34,944	\$26,880	\$67,200	\$63,900	\$131,100
Bus Stop and Station Improvements	MTD-P52	Improve customer access and/or amenities at bus stops; add bus stop pads to preserve pavement.	\$0	\$500	\$0	\$500	\$0	\$500
Commuter/Subscription Bus Program	MTD-P18	Capital and operating for subscription buses to areas not currently served by express buses (similar to large vanpool).	\$0	\$0	\$0	\$0	\$6,500	\$6,500
Customer IT amenities	MTD-P55	Upgrade Hwy 17 Wi-Fi and expand to local routes	\$0	\$0	\$0	\$0	\$1,010	\$1,010

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Electric bus charging and storage at Judy K. Souza Operations Facility	MTD-P59	Charging stations, canopies, and battery storage for fleet of up to 100 buses	\$0	\$0	\$0	\$0	\$27,000	\$27,000
Electric Non-Fleet Vehicles and Charging Infrastructure	MTD-P47	Replace non-revenue vehicles to EV. Install Level II chargers.	\$0	\$0	\$0	\$0	\$5,000	\$5,000
EV Fast Charging Stations	MTD-P48	Install 5 electric vehicle charging stations at transit centers.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
Hwy 1 Express Buses	MTD-P27	Hwy 1 express bus replacements - 6 Buses. Replace every 12 years.	\$0	\$0	\$0	\$0	\$11,700	\$11,700
Hwy 17 Express Service - Continuation of Baseline Service Levels	MTD-P10B	Operation & maintenance cost of existing Highway 17 Express bus service. Avg annual cost: \$5.3M.	\$10,600	\$68,900	\$53,000	\$132,500	\$0	\$132,500
Hwy 17 Express Service Restoration and Expansion	MTD-P12	Restore Hwy 17 Express service to FY16 levels, then expand service 2% annually. Restore \$353K/yr operating plus 2% annually plus capital costs (2 buses)	\$404	\$2,626	\$2,020	\$5,050	\$7,600	\$12,650
Inter-County Paratransit Connection	MTD-P44	Establish paratransit connection location with Santa Clara County.	\$0	\$0	\$0	\$0	\$1,300	\$1,300
ITS Equipment: Automatic Passenger Counter System and Real Time Bus Arrival/Departure Displays	MTD 24	Install Automatic Passenger Counters on METRO buses. Provide real time bus arrival/departure displays at bus stops. Necessary IT upgrades and data collection for system operations, security, planning and maintenance.	\$1,600	\$0	\$0	\$1,600	\$0	\$1,600
Local Transit - Continuation of Baseline Service Levels 2020-2045	MTD-P10	Operation & maintenance cost of existing local fixed route bus service. Avg annual cost: \$42.1M.	\$86,200	\$497,809	\$536,963	\$1,120,972	\$0	\$1,120,972
Local Transit Service Restoration and Expansion	MTD-P14	Restore local service to FY16 levels, then expand service 2% annually. Restore \$7.0M/yr operating plus 2% annually plus capital costs (16 buses)	\$7,904	\$51,376	\$39,520	\$98,800	\$139,000	\$237,800

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Maintenance Facility Expansion	MTD-P38	Property acquisition, design, and construction of maintenance facility expansion.	\$0	\$0	\$0	\$0	\$15,850	\$15,850
Metro facilities repair/upgrades	MTD-P36	Maintain and upgrade facilities.	\$1,000	\$2,500	\$800	\$4,300	\$1,970	\$6,270
Metro rebranding	MTD-P58	Develop improved, mobile-friendly website, and marketing program to establish consistent brand with uniform signage, letterhead, ads.	\$0	\$0	\$0	\$0	\$500	\$500
Microtransit Pilot Program	MTD-P43	Pilot project allowing smaller buses or vans to provide on-demand point-to-point trips in areas where all-day fixed-route service is not viable.	\$0	\$0	\$0	\$0	\$100	\$100
Non-Revenue Vehicle Replacements	MTD-P32	Replace support vehicles.	\$80	\$520	\$400	\$1,000	\$2,000	\$3,000
Pacific Station- Bike Station	MTD-P49	Establish bike station at Pacific Station.	\$0	\$0	\$0	\$0	\$410	\$410
ParaCruz Mobile Data Terminals; Radios	MTD-P30	Replace mobile data terminals in vehicles	\$36	\$273	\$91	\$400	\$360	\$760
ParaCruz Operating Facility	MTD-P28	Design, Right-of-Way and construction for new ParaCruz Operating Facility.	\$6,000	\$6,400	\$0	\$12,400	\$0	\$12,400
Park and Ride Facilities	MTD-P53	Fund purchase and construction or lease of parking areas for commuter bus patrons, either surface lot or parking structure.	\$0	\$0	\$0	\$0	\$29,400	\$29,400
Real-Time Transit Info	MTD-P60	Develop and maintain system for disseminating real time transit arrival and departure information to Santa Cruz Metro users. To be developed in coordination with Santa Cruz Metro.	\$20	\$150	\$50	\$220	\$300	\$520
Replacement of Watsonville Transit Center	MTD-P56	Replacement transit center at existing or new location.	\$0	\$0	\$0	\$0	\$25,000	\$25,000

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Santa Cruz Metro Center/Pacific Station Renovation	MTD 13	Renovate Pacific Station or construct new transit center in alternate location as part of development partnership with the City of Santa Cruz. (RTP constrained=transportation elements; costs to be covered by developer not shown)	\$25,000	\$0	\$0	\$25,000	\$0	\$25,000
Senior/Disabled/Low-Income Fixed-Route Transit Incentives	MTD-P42	Incentives to encourage fixed-route bus ridership. Includes existing discounts for Seniors and persons with disabilities. May include free/reduced rates for seniors during off-peak hours, free bus passes to ADA eligible persons, bus pass subsidies for low income riders transportation to employment, and other incentives to encourage use of fixed-route system.	\$0	\$0	\$0	\$0	\$19,500	\$19,500
Signal Priority/Pre-Emption for Buses	MTD-P21	Enable coach operators to actuate traffic signals to prolong green or change red lights to improve transit running time.	\$0	\$0	\$0	\$0	\$2,070	\$2,070
Small Bus Fleet	MTD-P24	Purchase smaller shuttle buses, possibly autonomous, for first mile/last mile connections. Cost currently unknown.	\$0	\$0	\$0	\$0	\$1,700	\$1,700
Solar Panels for Souza Operations Facility	MTD-P29	Energy reduction through installation of solar panels on the Judy K. Souza Operations Facility	\$0	\$0	\$0	\$0	\$2,000	\$2,000
South County Operations and Maintenance Facility	MTD-P54	Acquisition of property and construction of second operations and maintenance facilities to better serve South County.	\$0	\$0	\$0	\$0	\$50,000	\$50,000
Transit Mobility Training Program Expansion	MTD-P19	Expand public outreach and training to encourage fixed route, rather than Paratransit, use. Outreach may also involve other partners (ex. DMV, doctors, senior centers, etc). Avg annual cost: \$80K/yr.	\$160	\$1,040	\$800	\$2,000	\$0	\$2,000
Transit Security and Surveillance Systems	MTD-P33	Enhance passenger safety and facilities security. Emergency response systems.	\$0	\$0	\$0	\$0	\$1,140	\$1,140

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Transit System Technology Improvements	MTD-P35	Hardware and software for essential transit operations and administration: computer servers, networking equipment, telephones, personal computers, digital ID processing equipment, office equipment, and software. Periodic replacement at end of useful life.	\$0	\$0	\$0	\$0	\$5,000	\$5,000
Transit Technological Improvements	MTD-P06	IT software and hardware upgrades for scheduling, customer service, planning systems. Upgrades every 5 years.	\$227	\$1,705	\$568	\$2,500	\$2,670	\$5,170
Transit/Paratransit Driver Emergency Training	MTD-P45	Provide training equipment for drivers on new mobility devices (scooters, motorized wheelchairs) plus emergency training and biohazard container and clean-up kits for vehicles.	\$0	\$0	\$0	\$0	\$295	\$295
SCMTD Total Cost			\$159,037	\$760,263	\$731,492	\$1,650,792	\$538,357	\$2,189,149

Seniors Council

Senior Employment Ride Reimbursement	RTC-P43	Reimburse low income seniors for transit expenses to/from employer sites.	\$150	\$1,100	\$350	\$1,600	\$0	\$1,600
Seniors Council Total Cost			\$150	\$1,100	\$350	\$1,600	\$0	\$1,600

UCSC

Alternative Fuel Fleet Vehicles	UC-P64	Purchase and upgrade fleet vehicles to alt. fueled vehicles (refuse trucks, street sweepers, fleet cars, etc.)	\$100	\$300	\$100	\$500	\$2,600	\$3,100
Alternative Fuel/Electric Shuttle Vehicles	UC-P22	Capital acquisition of vehicles/conversion of shuttles to EV.	\$0	\$0	\$0	\$0	\$10,330	\$10,330
Bike Shuttle Vehicle Acquisition	UC-P51	Acquire more alt fueled vehicles for bike shuttle (and possible expansion).	\$0	\$0	\$0	\$0	\$520	\$520
Bus Tracking and AVL Transit Programs	UC-P62	GPS bus tracking and Automatic Vehicle Locator programs inform travelling population of transit locations so they can make informed mode choices.	\$82	\$178	\$0	\$260	\$0	\$260

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
College Nine/Communications Pedestrian Bridge	UC-P39	Construct pedestrian bridge.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
College Nine/Crown College Pedestrian Bridge	UC-P37	Construct pedestrian bridge.	\$0	\$0	\$0	\$0	\$1,550	\$1,550
Coolidge Overlook	UC-P42	Improve overlook for parking, benches and signage for Sanctuary.	\$0	\$0	\$0	\$0	\$620	\$620
Disability Van Service	UC-P75	Operate disability van service	\$500	\$3,250	\$2,500	\$6,250	\$0	\$6,250
East Collector Transit Hub	UC-P46	New transit hub at East Collector (East Remote) lot.	\$0	\$0	\$0	\$0	\$5,170	\$5,170
Electric Vehicle Charging Stations	UC-P65	Add additional electrical infrastructure and install electric vehicle charging stations around campus.	\$0	\$0	\$0	\$0	\$8,000	\$8,000
Hagar/McLaughlin Intersection Improvements	UC-P10	Signal, pedestrian safety improvements(including new crosswalk) and roadway improvements.	\$0	\$0	\$0	\$0	\$520	\$520
Hagar/Steinhart Intersection Improvements	UC-P14	Signal, pedestrian safety improvements, transit, roadway improvements.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
Hagar-Coolidge Connector Road/Hagar/East Remote Intersection Improvements	UC-P47	New roadway connector, including bicycle lanes, between Hagar Drive and Coolidge, plus Hagar/East Remote Intersection Improvements: signal, pedestrian safety improvements and roadway improvements.	\$0	\$0	\$0	\$0	\$3,100	\$3,100
Heller Drive Bicycle Lanes (Empire Grade to Porter College)	UC-P56	Add Class II bicycle lanes in downhill direction as feasible.	\$0	\$0	\$0	\$0	\$830	\$830
Kerr/Porter Rd Pedestrian Bridge ADA Upgrades	UC-P72	Modify bridge to improve access.	\$0	\$0	\$0	\$0	\$3,100	\$3,100
McLaughlin Drive Bike Lanes/Pedestrian Enhancements	UC-P30	Install Class 2 bike lanes and enhance pedestrian circulation on University campus roadway.	\$0	\$0	\$0	\$0	\$2,580	\$2,580

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Meyer Drive Extension	UC-P04	Extension of Meyer Drive from existing Meyer Drive to Hagar Drive. Includes potential construction of two bridges, pedestrian, and bicycle facilities.	\$0	\$0	\$0	\$0	\$20,660	\$20,660
Multimodal Hub Planning Study	UC-P77	Study to propose concept for development of various types of multi-modal hubs for main campus and satellite facilities to include transit, parking, bike, pedestrian and other mobility options to meet future needs.	\$0	\$0	\$0	\$0	\$750	\$750
Northern Entrance	UC-P08	Construct new access road including Cave Gulch Bridge to Empire Grade and road and bicycle lanes to Northern Heller Dr. for access and fire safety.	\$0	\$0	\$0	\$0	\$10,330	\$10,330
Northern Loop Roadway	UC-P07	Construct new roadway, including bicycle lanes, on upper campus. Will be phased. Phase I: Chinquapin Extension to support Social Science 3.	\$0	\$0	\$0	\$0	\$18,590	\$18,590
Parking Management Technology Improvements	UC-P68	Updating existing parking management technologies to allow for more effective management.	\$40	\$280	\$90	\$410	\$0	\$410
Pedestrian Directional Map/Wayfinding System	UC-P38	Develop and install signs throughout campus.	\$50	\$350	\$120	\$520	\$0	\$520
Porter/Performing Arts Pedestrian Bridge	UC-P36	Construct pedestrian bridge.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
Science Hill/North Academic Core Pedestrian Bridge	UC-P40	Construct pedestrian bridge.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
Sidewalk/Pedestrian Improvements	UC-P50	Widen sidewalks/improve ped access in areas of campus.	\$0	\$0	\$0	\$0	\$5,170	\$5,170
Spring Street Bikeway	UC-P34	Construct bikeway connecting Spring Street to Hagar Ct.	\$0	\$0	\$0	\$0	\$310	\$310
Steinhart Way Multimodal Improvements	UC-P03	Roadway improvements for shuttles, bikes and pedestrians.	\$0	\$0	\$0	\$0	\$2,500	\$2,500

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
Transit Pullouts and Shelters Enhancements	UC-P19	Construction and installation of transit pullouts and reconstruction of shelters throughout campus.	\$0	\$0	\$0	\$0	\$1,550	\$1,550
Transit Vehicles (ongoing)	UC-P23	Ongoing capital acquisition of transit vehicles for on-campus transit and University shuttles.	\$470	\$3,055	\$2,350	\$5,875	\$0	\$5,875
Transportation-Related Stormwater Management Projects	UC-P66	Retrofitting existing transportation facilities and developing new facilities with new stormwater management techniques.	\$100	\$700	\$230	\$1,030	\$0	\$1,030
Traveler Safety Education/Information Programs	UC-P61	Bike/pedestrian safety programs; light and helmet giveaways, safety classes, distracted driver programs, bus etiquette program.	\$10	\$65	\$25	\$100	\$560	\$660
UCSC - Metro Station Bus Rapid Transit Improvements	UC-P48	Bus Rapid Transit Improvements between Metro Station, Bay Street Corridor, and UCSC Roadways.	\$0	\$0	\$0	\$0	\$5,170	\$5,170
UCSC Bicycle Facilities	UC-P55	Add bicycle facilities on campus roadways and paths. Lump sum of projects, including but not limited to UCSC Bicycle Plan that are not listed individually elsewhere in the RTP.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
UCSC Bicycle Parking Improvements	UC-P33	Install bicycle parking facilities to serve bicycle commuters to the University.	\$50	\$350	\$120	\$520	\$0	\$520
UCSC Bike Loan Program	UC-P52	Develop and implement a bike loan program for UC students.	\$0	\$0	\$0	\$0	\$1,030	\$1,030
UCSC Bike Showers/Storage Lockers	UC-P32	Install showers and storage facilities to serve bicycle commuters to the University.	\$0	\$0	\$0	\$0	\$620	\$620
UCSC Campus Transit EV Bus Charging and Parking Yard	UC-P76	Development of a new Electric bus Charging and Parking Yard and development of new electrical infrastructure for EVSE for campus transit fleet.	\$0	\$0	\$0	\$0	\$10,000	\$10,000

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
UCSC Commute Counseling Program	UC-P69	Staffing program development to individually market to UCSC affiliates on more sustainable means of travel to campus.	\$280	\$2,120	\$700	\$3,100	\$0	\$3,100
UCSC Commuter Incentive Programs	UC-P70	Provide ongoing support and development of new programs to encourage travel to campus via sustainable modes of travel.	\$140	\$910	\$700	\$1,750	\$0	\$1,750
UCSC Lump Sum Roadway Maintenance	UC-P59	Repaving and rehabilitation of roadways on UCSC campus to maintain existing network.	\$182	\$1,183	\$910	\$2,275	\$7,725	\$10,000
UCSC Main Entrance Improvements	UC-P01	Realign roadway, transit pullout/shelter, relocate bike parking, construct pedestrian path, historic resource analysis. Work may be done in conjunction with City Roundabout project.	\$0	\$2,070	\$0	\$2,070	\$0	\$2,070
UCSC Parking Operations & Maintenance	UC-P73	Operate and administer the parking operations for UCSC including planning, TDM, marketing and debt service.	\$6,400	\$41,600	\$32,000	\$80,000	\$0	\$80,000
UCSC Traffic Control	UC-P58	Non-traditional traffic control/crossing guard program at key intersections on UCSC campus to improve pedestrian and vehicle safety, reduce conflicts, improve travel times.	\$240	\$1,750	\$590	\$2,580	\$0	\$2,580
UCSC Transit Service	UC-P74	Operate the on-campus shuttle service	\$6,220	\$40,430	\$31,100	\$77,750	\$0	\$77,750
UCSC Vanpool Program	UC-P63	Maintain, operate and expand upon UCSC vanpool program.	\$789	\$5,129	\$3,945	\$9,863	\$0	\$9,863
Zimride Emergency Preparedness Database	UC-P67	Creating a new database through Zimride to have emergency response evacuation of UCSC campus.	\$0	\$0	\$0	\$0	\$310	\$310
UCSC Total Cost			\$15,653	\$103,720	\$75,480	\$194,853	\$129,345	\$324,198

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
Various Agencies								
Active Transportation Plan	VAR-P39	Prepare Active Transportation Plans that address bicycle, pedestrian, safe routes to schools and complete streets facilities within the jurisdictions of Santa Cruz County as well as the Santa Cruz Harbor Port District.	\$200	\$1,680	\$500	\$2,380	\$0	\$2,380
Bicycle Sharrows	VAR-P03	Install sharrows (shared roadway marking) designating areas where bicyclists should ride on streets, especially when bicycle lanes are not available. To be implemented by local jurisdictions.	\$40	\$380	\$100	\$520	\$0	\$520
Bicycle Treatments for intersection improvements (ADD)	VAR-P32	Add painted bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike detection and signals), at major intersections.	\$0	\$3,100	\$1,030	\$4,130	\$0	\$4,130
Bike Share	VAR-P16	Establish and maintain an urban centered bike share program allowing county residents to access loaner bikes at key locations such as downtowns, transit centers, shopping districts, and tourist destinations.	\$0	\$3,500	\$1,670	\$5,170	\$0	\$5,170
Bike-Activated Traffic Signal Program	VAR-P05	Provide traffic signal equipment to ensure that the traffic signals will detect bicycles just as cars are detected and ensure that the appropriate traffic signal phase is activated by the bicycles.	\$100	\$750	\$180	\$1,030	\$0	\$1,030
Cabrillo College TDM Programs	RTC 33	Provide students and employees at all four Cabrillo College campuses with education, promotion, and incentives that support the use of sustainable transportation modes including shared micro-mobility. Develop information, programs and services customized to meet the transportation needs of the Cabrillo College community. Provide Sustainable Transportation education, promotion, and Go Green program enrollment to Cabrillo College students and employees. Partner with Cabrillo staff and students to reduce SOV trips to the Aptos, Watsonville and Scotts Valley campuses. Provided targeted information and services to Cabrillo members.	\$71	\$463	\$356	\$890	\$1,360	\$2,250

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Carsharing Program	VAR-P06	Program to assist people in sharing a vehicle for occasional use. Implementing Agency TBD, varies.	\$118	\$764	\$588	\$1,470	\$1,470	\$2,940
Climate Action Transportation Programs	RTC-P48	Projects that reduce greenhouse gas emissions through reducing vehicle trips and vehicle miles traveled, increasing fuel efficiency and expanding use of alternatively fueled vehicles. Includes comprehensive outreach and education campaigns, a countywide emergency ride home for those using alternatives, and TDM incentive programs: \$100k/year.	\$100	\$1,630	\$600	\$2,330	\$250	\$2,580
Climate Adaptation, Resiliency, and Hazard Mitigation	VAR-P50	Projects to make transportation infrastructure more resilient, including through the use of natural infrastructure, to the effects of extreme weather and natural disasters. [Total cost unknown]	\$0	\$20,000	\$0	\$20,000	\$0	\$20,000
Complete Streets Area Plans	VAR-P28	Detailed complete street circulation and design plans, including consideration of multimodal green travelways, for areas identified for intensified development in Sustainable Communities Strategy.	\$0	\$400	\$0	\$400	\$1,600	\$2,000
Complete Streets Implementation	VAR-P27	Additional projects for complete streets implementation that would fall under the Complete Streets Guidelines.	\$1,600	\$10,400	\$8,000	\$20,000	\$0	\$20,000
Coolidge Drive Reconstruction	VAR-P23	Reconstruction of roadway and bike lane.	\$0	\$0	\$0	\$0	\$3,100	\$3,100
Countywide Pedestrian Signal Upgrades	RTC-P26	Grant program to fund installation of accessible pedestrian equipment with locator tones including rapid flashing beacons and count down times etc. to facilitate roadway crossings by visually and mobility impaired persons.	\$100	\$685	\$250	\$1,035	\$1,035	\$2,070
Countywide Senior Driving Training	VAR-P24	Coordinate and enhance current programs that help maturing drivers maintain their driving skills and provides transitional info about driving alternatives. (Current programs are run by AARP and CHP.)	\$18	\$36	\$36	\$90	\$820	\$910

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Eco-Tourism - Sustainable Transportation	VAR-P17	Provide sustainable transportation information, incentives and promotions to the estimated one million visitors to Santa Cruz County. Work with the Santa Cruz County Conference and Visitors Council, local lodgings, and tourist attractions.	\$35	\$400	\$80	\$515	\$515	\$1,030
Electric Bicycle Commuter Incentive Program	VAR-P44	Financial incentives, promotion and/or education to encourage residents to use electric bikes instead of commuting by car.	\$91	\$593	\$456	\$1,140	\$2,730	\$3,870
Environmental Mitigation Program	VAR-P38	Allocate funds to protect, preserve, and restore native habitat that construction of transportation projects listed in SCCRTC's RTP could potentially impact. EMP funds will be for uses such as, but not limited to, purchasing land prior to project development to bank for future mitigation needs, funding habitat improvements in advance of project development to leverage and enhance investments by partner agencies.	\$230	\$4,200	\$1,250	\$5,680	\$0	\$5,680
EV Charging Stations for Low Income Residents	VAR-P49	EV charging station installation with a focus on equity so low income residents can access home charger especially those living in apartment/multi-dwelling units.	\$0	\$0	\$0	\$0	\$8,000	\$8,000
Hwy 1 Bike/Ped Bridge (Cabrillo-New Brighton)	CT-P07a	Construction of bike/ped bridge connecting New Brighton State Beach and Cabrillo College as part of larger Nisene SP to the Sea trail concept. Lead agency TBD.	\$0	\$0	\$0	\$0	\$14,000	\$14,000
Hwy 1/Harkins Slough Road Pedestrian Bridge/Safer Access to PVHS & Beyond	WAT 01A	Install ped bridge over SR1, sidewalks, Class IV bike lanes, intersection modifications at Harkins Slough Rd/Green Valley Rd/Silver Leaf, high visibility crosswalks, new and upgraded curb extensions/ramps, and pedestrian & bike safety programs intersection to improve bike and ped access. (EA 05-1G490)	\$0	\$15,800	\$0	\$15,800	\$0	\$15,800
Live Oak Transit Hub	VAR-P46	Transfer node near rail corridor at 17th Ave - may include transit, rideshare, bicycle, bikeshare, pedestrian to provide regional connections to/from other parts of the county.	\$0	\$530	\$0	\$530	\$0	\$530

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Local Arterial ITS Infrastructure	VAR-P11	ITS (Intelligent Transportation Systems): advanced electronics and information technologies to increase the safety and efficiency of the surface transportation system, including vehicle detection devices along major arterials in urbanized areas to alert motorists of incidents.	\$0	\$0	\$0	\$0	\$620	\$620
Lump Sum Bridge Preservation	VAR-P14	Painting, Barrier Rail Replacement, Low Water Crossing, Rehab, and Replacement bridges for SHOPP and Highway Bridge Program (HBP).	\$8,000	\$40,000	\$52,000	\$100,000	\$0	\$100,000
Lump Sum Emergency Response Local Roads	VAR-P13	Lump sum for repair of local roads damaged in emergency. (Based on average ER/FEMA/CalEMA funds, storm damage, fire, etc. Costs of repairs assumed under lump sum maintenance and operations within local jurisdiction listings.)	\$17,846	\$96,000	\$126,154	\$240,000	\$0	\$240,000
Mission St/Hwy 1 Bike/Truck Safety Campaign	VAR-P18	Partnership with road safety shareholders including Caltrans, UCSC, City of Santa Cruz, Ecology Action, trucking companies and others to improve bike/truck safety along the Mission Street corridor. Provide safety presentations, videos, brochures, safety equipment, etc.	\$50	\$345	\$125	\$520	\$0	\$520
Mobility Management Center	VAR-P04	Centralized one-stop-shop for information and resources on specialized transportation options. May be combined with 511 and local senior information and assistance efforts. Implementing agency TBD. Est. annual cost: \$100-300k/yr.	\$0	\$0	\$0	\$0	\$7,750	\$7,750
Neighborhood Greenways	VAR-P33	Implement greenways which gives priority to bicycles and pedestrians on low volume, low speed streets including, way finding and pavement markings, bicycle treatments in areas identified for more intensified development in Sustainable Communities Strategy.	\$0	\$0	\$0	\$0	\$5,170	\$5,170

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
On-Demand Wheelchair Accessible Vehicle Program	VAR-P48	TNC Access for All Program to implement SB1376 (Hill: 2018) which directed the CPUC to establish a program relating to accessibility of on-demand transportation services for persons with disabilities, including wheelchair users who need a wheelchair accessible vehicle (WAV), to be funded in-part by Transportation Network Companies (e.g. Lyft/Uber) that do not have WAV fleet. [constrained reflects CPUC forecasted funds=\$60k/yr]	\$120	\$780	\$600	\$1,500	\$3,000	\$4,500
Park and Ride Lot Development	VAR-P26	Upgrade and maintain existing park and ride lots for commuters countywide. Secure additional park and ride lot spaces for motorized vehicles and bicycles. Long range plan: identify, purchase land, construct Park & Ride lots.	\$100	\$2,000	\$1,000	\$3,100	\$6,000	\$9,100
Planning for Transit Oriented Development for Seniors	VAR-P25	Evaluate opportunities for Transit Oriented Development serving seniors including access to medical facilities.	\$10	\$50	\$20	\$80	\$0	\$80
Plug-in Electric Vehicle Access, Education & Promotion	VAR-P21	Target motorist looking for a cleaner vehicle by providing access, education and promotion on ever evolving plug-in electric vehicles (PEV). Provide PEV car share, rental and demo drives, educational workshops, online, and hard copy information. Promote through current EA groups, partners, media and other available sources.	\$0	\$0	\$0	\$0	\$2,500	\$2,500
Public Transit Marketing	VAR-P20	Initiatives that increase public transit ridership including discount passes, free fare days, commuter clubs, and promotional and marketing campaigns.	\$0	\$600	\$175	\$775	\$775	\$1,550
Public/Private Partnership Bicycle and Pedestrian Connection Plan	VAR-P29	Develop model for assisting local jurisdictions in working with private property owners to allow bicycle and pedestrian access through private property in areas identified for more intensified development in Sustainable Communities Strategy.	\$0	\$150	\$0	\$150	\$0	\$150
Public/Private Partnership Transit Stops and Pull Outs Plan	VAR-P30	Develop model for assisting local jurisdictions in working with businesses to install transit pullouts and shelters on property in areas identified as high quality transit corridors in Sustainable Communities Strategy.	\$0	\$150	\$0	\$150	\$0	\$150

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Safe Paths of Travel	VAR-P08	Regional program to construct and/or repair pedestrian facilities adjacent to high frequency use origins and destinations, particularly near transit stops.	\$280	\$2,120	\$700	\$3,100	\$0	\$3,100
Safe Routes to Schools Studies	VAR-P10	Studies to assess pedestrian and bicycle safety near schools.	\$20	\$140	\$50	\$210	\$0	\$210
Safety Plan	VAR-P36	Develop a safety plan that addresses traffic related injuries and fatalities for all modes of transportation.	\$0	\$250	\$60	\$310	\$0	\$310
School Complete Streets Projects	VAR-P35	Implement ped/bike programs and facilities near schools.	\$0	\$10,330	\$0	\$10,330	\$0	\$10,330
School Safety Programs	VAR-P19	Bicycle and walking safety education and encouragement programs targeting K-12 schools in Santa Cruz County including Ecology Action's Safe Routes to School and Bike Smart programs. Provide classroom and on the bike safety training in an age appropriate method. Provide a variety of bicycle, walking, busing and carpooling encouragement projects ranging from bike to school events, to incentive driven tracking, and educational support activities. Est. annual cost \$150k.	\$200	\$1,260	\$450	\$1,910	\$1,910	\$3,820
School-Based Mobility/TDM Programs	RTC-P54	Student transportation programs aimed at improving health and well being, transportation safety and sustainability and that facilitate mode shift from driving alone in a motor vehicle to active and group transportation.	\$92	\$598	\$460	\$1,150	\$1,875	\$3,025
TDM Individualized Employer/Multiunit Housing Program	RTC-P53	Implement individualized employer and multiunit housing TDM programs with incentives for existing development.	\$200	\$1,600	\$525	\$2,325	\$2,325	\$4,650
Transit Oriented Development Grant Program	RTC-P25	Smart growth grant program to fund TODs that encourage land use and transportation system coordination. May include joint child care/PNR/transit centers.	\$250	\$1,720	\$600	\$2,570	\$2,600	\$5,170
Transit Priority	VAR-P34	Install transit queues at major intersections.	\$0	\$2,185	\$400	\$2,585	\$2,585	\$5,170

Financially Constrained Costs

Project Title	ID	Project Description/Scope	YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained	Total Constrained	Unconstrained Costs	Est. Total Cost
Transit Service to San Jose Airport	VAR-P43	Provide transit service to San Jose airport from Santa Cruz. Current average annual need \$0.5M	\$0	\$0	\$0	\$0	\$11,000	\$11,000
Transportation Demand Management Plan	VAR-P37	Collaborate with other organizations to develop a coordinated plan for transportation demand management program implementation for Santa Cruz County.	\$0	\$250	\$60	\$310	\$0	\$310
Transportation for Caregivers of Seniors/People with Disabilities	VAR-P42	Transportation service for caregivers of seniors or people with disabilities. Including, but not limited to programs such as, volunteer rides, taxi script, ride to work program. Current avg annual need \$.5M. Constrained=\$0M.	\$0	\$0	\$0	\$0	\$11	\$11
Transportation for Low Income Youth	VAR-P15	Safe, reliable transportation services for foster care children to/from school. Avg annual cost: \$100k/yr.	\$0	\$0	\$0	\$0	\$2,580	\$2,580
Transportation for Low-Income Families	VAR-P41	Transportation service for low income families with children. Includes medical service rides, out-of-county rides, volunteer rides, taxi script, ride to work program, etc. Current avg annual need \$.5M. Constrained=\$0M.	\$0	\$0	\$0	\$0	\$11,000	\$11,000
Transportation System Electrification	VAR-P07	Partnership with local gov't agencies, electric vehicle manufactures, businesses, and Ecology Action to establish electric vehicle charging stations for EV's, plug-in hybrids, NEV's, as well as ebikes and scooters. Work with manufacturers on developing advanced electric vehicles and educating the public regarding the ease of use and benefits of electric vehicles.	\$0	\$31,650	\$20,000	\$51,650	\$0	\$51,650
Uncontrolled Pedestrian Crossing Improvements	VAR-P31	Implement improvements to uncontrolled pedestrian crossing such as painted and/or raised crosswalks, flashing beacons and pedestrian islands.	\$0	\$1,900	\$670	\$2,570	\$2,600	\$5,170
Watsonville Transit Hub	VAR-P47	Expand transportation mode options at transfer node near rail corridor and current transit center to increase use of transit, rideshare, bicycle, bikeshare, pedestrian to provide regional connections to/from other parts of the county.	\$0	\$585	\$0	\$585	\$0	\$585

Project Title	ID	Project Description/Scope	Financially Constrained Costs			Total Constrained	Unconstrained Costs	Est. Total Cost
			YR 2020 Constrained	YR 2035 Constrained	YR 2045 Constrained			
West Side Transit Hub	VAR-P45	Transfer node near rail corridor at Natural Bridges Dr - may include transit, rideshare, bicycle, bikeshare, pedestrian to provide regional connections to/from other parts of the county and the university.	\$0	\$580	\$0	\$580	\$0	\$580
Various Agencies Total Cost			\$29,871	\$260,554	\$219,145	\$509,570	\$99,181	\$608,751
<i>Volunteer Center</i>								
Volunteer Center Transportation Program	VC-P1	Program providing specialized transportation to seniors and people with disabilities. Constrained=existing TDA allocations.	\$240	\$1,050	\$350	\$1,640	\$2,110	\$3,750
Volunteer Center Total Cost			\$240	\$1,050	\$350	\$1,640	\$2,110	\$3,750
<i>Watsonville Airport</i>								
Lump Sum Watsonville Municipal Airport Capital Projects	AIR-P01	Projects from the Watsonville Airport Capital Improvement Program. Includes new hangers, reconstruction of aviation apron, security features, runway rehabilitation and extensions and surface improvements, taxiway construction and maintenance, and signage.	\$2,160	\$14,040	\$10,800	\$27,000	\$10,000	\$37,000
Watsonville Municipal Airport Operations	AIR-P02	Ongoing operations/maintenance. Average \$2M/year.	\$3,994	\$25,961	\$19,970	\$49,925	\$0	\$49,925
Watsonville Airport Total Cost			\$6,154	\$40,001	\$30,770	\$76,925	\$10,000	\$86,925
Funds Needed Through 2045							\$10,078,429	
Total Within Projected Funds (Constrained)							\$5,235,083	
Minimum New Funds Needed (Unconstrained)							\$4,843,347	