

Exhibit A

**2018 Regional Transportation Improvement Program (RTIP)
Projects Approved for funding by the SCCRTC on December 7, 2017**

Available funds: Up to \$17.5M STIP (through FY22/23), \$3.5M STBG (through FY18/19), and est. \$600k SB 1 LPP and \$975,000 SB1 Transit funds

Agency	Project Name	Description	Total Cost	Approved			
				Approved Funding	RTC Staff Comments/ Recommended Conditions	Worst-Case Scenario (if only \$9.7M)	Mid-Case Scenario (if only \$15M)
Bike Santa Cruz County (County HSA sponsor)	Open Streets Events – Watsonville and Santa Cruz	2 events/year over two years that temporarily transform roadways into parks for people to bike, walk, skate, and play in a safe and festive environment by temporarily blocking automobile traffic. Watsonville: Brennan/Union St (Freedom-Peck St); SC: West Cliff Dr. (Lighthouse Field-Swanton Blvd). Request: \$12.5k/event	\$97,000	\$40,000	Prioritize funding for events in Watsonville which has high collision rates, lower bike/walk use. Bicycle Committee & E/DTAC recommend full funding. \$50k RSTPX approved by RTC 2/7/13 for events in Watsonville and Capitola. In 2016- RTC approved \$10K for Watsonville event. Provides venue to raise awareness of other programs (e.g. METRO, Cruz511, etc.) One-day event reaches large audience, however unclear if more effective compared to other TDM and infrastructure/focused education programs.	\$20,000	\$25,000
Ecology Action (RTC oversight)	Every Day is Bike to Work Day	Pilot bike commuter initiative to increase bike commuting at 6 large employers in Santa Cruz, Live Oak, and Watsonville areas; includes bike commute and safety workshops, online tracking apps/systems, support/encouragement	\$70,000	\$50,000	Low cost program to test effectiveness of new methods to encourage bicycle commuting which could be applied at other employers in the future. Project can be scaled to match funding (5 sites at \$50k).RTC serves as public agency sponsor. Require records to include info about frequency that participants bike before/after program. Bicycle Committee recommends up to full funding; E/D identified as lower priority than Open Streets, recommended shifting \$25K between programs.	\$30,000	\$30,000
METRO	METRO Refurbish Buses	Refurbish 16 fixed route buses to add 4 - 8 years to their useful life (avg. 6 yrs). Includes rebuild or replacement of engine/transmission assembly, cooling system, doors, windows, floors, seat cushions, paint, and wheelchair securement system.	\$4,080,000	\$900,000	Extend service life of buses an avg. of 6 years; avg. cost is \$255k/bus. Fund approx. 4 buses.	\$0	\$0
METRO	METRO ITS Equipment	Install Automatic Vehicle Locaters (AVL), automatic passenger counters, and automatic vehicle announcing system on up to 100 buses to provide real-time schedules, next bus info at bus stops, and data collection for system operations, security, planning and maintenance.	\$2,000,000	\$1,400,000	Providing real-time transit system info could improve rider experience and attract new riders. Automatic Vehicle Locator (AVL) = \$1M; passenger counters=\$500k; auto vehicle announcement system=\$500k. Staff recommends funding at least AVL portion.	\$0	\$1,000,000
METRO	METRO Revenue Vehicle Replacements	Purchase 1 CNG bus, 5 battery-electric buses, and 4 paratransit vans to replace 1998 diesel buses and 14-year old paratransit vans which have exceeded their useful life.	\$5,915,000	\$1,025,000	Buses need to be replaced in order to maintain service. To be funded with a combo of STIP & at least \$103k LPP. Cost is \$1M/electric bus; \$615k/CNG bus; \$75k /paratransit van. METRO anticipates purchasing one EV with recommended funds.	\$0	\$1,025,000
METRO	<u>Placeholder: FY17/18 99313 STA and SGR projects - exact project(s) TBD</u>	Metro to submit updated STA claim and project information for consideration at the RTC's January 2018 meeting.	TBD	\$975,590	Buses need to be replaced in order to maintain service. Funds from FY17/18 supplemental SB1 PUC 99313 formula funds (SB1 STA and SB1 SGR), no match required; METRO to submit revised proposal for funds for consideration at the January 2018 RTC meeting.	\$975,590	\$975,590
RTC	Planning, programming, and monitoring (PPM)	State and federally-mandated planning and programming activities associated with state and fed. funding programs, assisting project sponsors, and coordination with Caltrans and the California Transportation Commission.	\$250k/year	\$409,000	While cost of state/fed mandated activities is approx. \$250k/year, legislation restricts STIP available for this work to 5% of county shares (\$409k for FY20/21-22/23; approx \$135k/yr). Only program \$409k STIP formula available for PPM; staff does not recommend using STBG/RSTPX. This recommendation is consistent with RTC action 9/17.	\$0	\$409,000

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RTC	Cruz511	Cruz511 provides traveler information and transportation demand management services including traffic map, traffic congestion, traffic incidents, outreach, education, and incentives with the mission of reducing single occupancy vehicle (SOV) trips, vehicle miles traveled and roadway congestion. The program also acts as a traveler information hub for commuters and visitors looking for information on road conditions or sustainable transportation modes.	\$313k/year	\$300,000	Request is for 2 years of funds . Recent program evaluation has resulted in updated program goals and work program focused on serving low income residents, Vision Zero safety messaging, and improved user experience. Measure D Hwy Corridor funds would cover balance of program cost.	\$150,000	\$225,000
RTC/Caltrans	41st/Soquel Auxiliary Lanes and Chanticleer Overcrossing	Construct auxiliary lanes on Highway 1 between 41st Ave and Soquel Dr. interchanges, and construct 12-14' pedestrian/bike overcrossing at Chanticleer Ave.	\$34,000,000	\$2,000,000	RTC has reserved \$2M STIP for this project since 2014. Recommendation is consistent with RTC action in September 2017 indicating intent to program this \$2M. This is a regionally significant multi-modal project serving over 100,000 vehicles per day. Approx. 28% of project cost attributed to bike/ped crossing.	\$2,000,000	\$2,000,000
RTC/Caltrans	State Park to Bay Porter Auxiliary Lanes Project	Prelim. design and project level environmental review of auxiliary lanes on Highway 1 between the State Park to Park Ave to Bay/Porter interchanges (approx. 2.5 miles). Includes retaining walls, drainage, reconstruction of Capitola Ave overcrossing to include wider sidewalk and bridge lighting.	\$73,000,000	\$1,830,000	Heavily used transportation facility. Initiate work to make project more competitive for grants . Application was for 50% of PA/ED (environmental review) cost; lower CTs overhead rate if STIP-funded. RTC could also request Advance Project Development (APDE) STIP funds (from future county shares). Balance of PA/ED would be funded by Measure D.	\$0	\$0
RTC/Caltrans	Highway 1 Corridor Tiered Environmental Document	Environmental analysis of HOV lanes (Tier 1/project-level) and Soquel-41st Ave Aux Lanes (Tier 2/project level), including interchange reconstruction, ramp metering, 3 bike/ped crossings, and intelligent vehicle management systems. Additional funds to finalize the environmental document.	Enviro: \$14.5M; \$600M total project cost	\$500,000	Most heavily used transportation facility in Santa Cruz County. Provides long term vision for the corridor, upgrades design standards and adds new bicycle and pedestrian facilities. Funds needed to complete environmental document, including responses to comments.	\$250,000	\$350,000
Capitola	Brommer Street Complete Street Improvements (250' west of 38th Ave to 41st Ave)	Construct complete street roadway improvements on Brommer St. to improve access for vehicles, bikes, and pedestrians. Pavement reconstruction, install ADA driveways and sidewalks, and reconfigure eastbound approach to 41st Ave. for vehicle access.	\$770,000	\$470,000	Fills gap in pedestrian network. Only request from Capitola.	\$450,000	\$470,000
City of Santa Cruz	Pacific Ave. Sidewalk	Construct 200' of new sidewalk on Pacific Avenue between Front Street and 55 Front St, including installation of a new accessible crosswalk at Front and Pacific; 150' bike lane.	\$439,870	\$250,000	Serves fewer people, sidewalk available on one side of road - unclear would increase walking rates. Low collision rate. City could use other local funds for balance of project cost, though city's preference would be to shift funds to River St. and Hwy 1/9.	\$0	\$0
City of Santa Cruz	River Street Pavement Rehabilitation (Water St to Potrero Street)	Pavement rehabilitation of River Street between Water Street and Potrero Street. (0.4 mi)	\$2,000,000	\$775,000	2nd priority for city. Medium use, mixed-use, multimodal roadway; however cost/mile of roadway preservation is high. City can scale project or commit other funds.	\$0	\$504,000
City of Santa Cruz	State Route 1/9 Intersection Improvements	Adds lanes to the Highway 1 and 9 intersection to improve operations and safety. The intersection will be upgraded to include standard lane widths, transitions, shoulders, bike lanes, lighting, sidewalks and access ramps.	\$8,361,000	\$1,574,000	City's highest priority. Very high use, multimodal, regionally significant project. Some of bike/ped components of project were constructed earlier as the Highway 1 undercrossing. RTC has previously awarded \$2,329,000 to project, but \$1M shifted to MBSST last year. Require signals to include audible signal components.	\$1,250,000	\$1,250,000
UCSC	UCSC Great Meadow Bike Path Preservation and Safety Improvement Project (Phase 2)	Reconstruct and widen Class I main bike path to meet current Caltrans standards within current alignment for safety and system preservation needs (approx. 1 mile).	\$1,134,000	\$700,000	Demonstrated need. There is a history of collisions on the path. Funds to be redirected to the Bay/High Roundabout if the university does not secure other funds or scale back the project within two years. (const. scheduled for FY20/21)	\$0	\$250,000

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Scotts Valley	Glenwood Drive Rehabilitation and Bicycle Improvement Project	Pavement rehabilitation of Glenwood Dr. (K Street Way to city limits), drainage repair, and widen to add bike lanes. (0.58mi)	\$865,000	\$310,000	Priority 3 of 4 applications. Located near school. City may scale project to only include bicycle lane on uphill section or may commit other funds.	\$0	\$0
Scotts Valley	Glen Canyon Road/Green Hills Road/S. Navarra Drive Bike Corridor and Roadway Preservation	Roadway rehabilitation on Green Hills Rd. (Glen Canyon to end at S. Navarra) and Glen Canyon Rd. (Flora Lane to Green Hills); add bicycle lanes on Green Hills Rd., and green lanes, markings on 3 roads.	\$993,000	\$102,000	Supplements \$711k approve by RTC in 2016. Moderate traffic volumes, complete streets project. Identified as priority through community meetings.	\$0	\$102,000
Scotts Valley	Kings Village Road/ Bluebonnet Lane Sidewalk	Construct new, fill gaps, and improve accessibility of sidewalks on both sides of King's Village Rd. (Mt. Hermon to Bluebonnet) and south side of Bluebonnet Lon (KV to Bean Creek). Approx.0.3mi. Curb ramp upgrades at Mt. Hermon.	\$306,000	\$271,000	Fills gap in sidewalk network in urbanized area.	\$271,000	\$271,000
Watsonville	Airport Blvd Reconstruction: Westgate/Larkin Valley Rd to Hanger Way	Reconstruct roadway & bike lanes (1300 ft), install new sidewalk (1070 ft), upgrade curb ramps and driveway crossings, install median islands, modify traffic signals to include additional ped crossings and install rectangular rapid flashing beacon.	\$1,645,000	\$177,000	Require signal upgrades to include audible signal components, as recommended by E/DTAC. RTC programmed \$1,195,000 STIP in 2013. Supplemental funds requested due to cost increase/change in scope from full-depth rehab to "remove and replace existing hot mix asphalt" and escalating construction costs statewide. Scope change required due to PG&E gas line location.	\$0	\$0
Watsonville	Bicycle Safety Improvements	New bicycle lane striping, markings, green lanes, and signage, esp. at intersections, on 7.47 miles. Beach St (Lee Rd to Rodriguez St); Bridge St (Beck St to E. Lake Ave), Green Valley Rd (Harkins Slough Rd to Corralitos Ck Bridge), Harkins Slough/Walker St (GV-Riverside Dr), Rodriguez St (Riverside-Main St)	\$525,000	\$325,000	32 collisions in past 10 years. Safety project will increase visibility of bicyclists. Project can be scaled to focus on highest crash locations.	\$200,000	\$200,000
Watsonville	Freedom Blvd Reconstruction from Alta Vista Ave to Green Valley Rd	Reconstruct existing roadway (0.6mi), replace non-ADA compliant curb ramps and driveways, ped scale lighting and illumination at crosswalks, install traffic signal at Sydney Ave, replace bus shelter, traffic calming	\$3,125,000	\$1,550,000	High use, major arterial, multi-modal safety improvements. Require signal upgrades to include audible signal components, as recommended by E/DTAC. City can scale project or commit other funds.	\$750,000	\$1,250,000
Watsonville	Green Valley Road Reconstruction (Struve Slough to Freedom Boulevard)	Reconstruct existing roadway and bike lanes, install curb, gutter, sidewalk, ADA upgrades at curb ramps and driveways (0.3mi)	\$1,598,000	\$306,000	Address funding shortfall. RTC programmed \$795k in 2016. Used by over 21k/day, major arterial,	\$306,000	\$306,000
County of Santa Cruz	Aptos Creek Road Traffic Signal, Soquel Dr. Sidewalks & Bike Lanes.	Installation of a traffic signal at Aptos Creek Rd and Soquel Dr including railroad crossing arms. Controlled pedestrian at-grade railroad crossing along Aptos Creek Road and crosswalks across Aptos Creek Road and Soquel Drive. Sidewalks, curb, gutter on south side of Soquel Dr. and bicycle lanes.	\$3,201,671	\$1,900,000	High use, major arterial (Soquel Dr), multi-modal project. Includes improved safety and access for bikes, pedestrians, and transit riders; system preservation. RTC has previously awarded \$1.4M to Aptos Village project components. Priority for county. Conditions: confirm bicycle components of project, ensure bicycle lane delineation from parking; and bicycle racks installed in area. Signal prioritization for buses if feasible. Require signal upgrades to include audible signal components, as recommended by E/DTAC.	\$0	\$300,000
County of Santa Cruz	Branciforte Drive Chip Seal Project	Roadway rehabilitation: Digouts, Rubberized Chip Seal, and restriping of a portion of Branciforte Drive (Granite Creek Rd to SC city limits - 1.91mi)	\$433,000	\$384,000	Complete Branciforte repairs. Condition: ensure small aggregate used to improve safety for bicycles, widen shoulders where feasible.	\$0	\$384,000
County of Santa Cruz	Branciforte Drive Road Recycle & Overlay Project	Roadway rehabilitation: Pavement Recycling, Asphalt Overlay, and restriping of a portion of Branciforte Drive (PM 2.4 to Granite Creek Rd - 0.62 miles)	\$431,000	\$208,000	Addresses cost increases on previously approved project. Would bring total RTC funding for project to \$382,000. Condition: to improve safety for bicycles, widen shoulders where feasible.	\$208,000	\$208,000

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County of Santa Cruz	Granite Creek Rd Road Recycle & Overlay Project	Roadway rehabilitation: Pavement Recycling/Asphalt Overlay on Granite Creek Rd from Scotts Valley limits to PM 0.56 (1.85 mi)	\$1,103,000	\$476,000	Addresses funding shortfall. In 2016, RTC approved \$500k for project. County providing \$127k. To improve safety for bicycles, widen shoulders where feasible.	\$476,000	\$476,000
County of Santa Cruz	Highway 17 To Soquel Corridor Chip Seal Project	Roadway rehabilitation: Digouts, Chip Seal, and restriping of Vine Hill Rd (Hwy 17 to B40), Branciforte Dr (Vine Hill to PM 0.7), Mt. View Rd (B40-N. Rodeo Gulch), N. Rodeo Gulch Rd (Mt. View-PM 1.97), Laurel Rd (N. Rodeo-Soquel San Jose Rd), and Soquel-San Jose Rd. (Laurel Glen to Dawn Lane) - 9.90 mi.	\$1,881,000	\$800,000	Alternate route to Hwy 17. Chip seal is cost effective. County will scale project or commit additional funds. Ensure small aggregate used to improve safety for bicycles, widen shoulders where feasible	\$0	\$500,000
County of Santa Cruz	Hwy 152/Holohan - College Intersection	Add sidewalks and bicycle lanes on Holohan Rd, an additional left-turn lane from Holohan to EB Hwy 17, sidewalk on north side of Hwy 152 from Holohan to Corralitos Creek bridge, adds crosswalks and speed feedback signs.	\$3,153,205	\$892,000	Fills gap in sidewalk and bike lane network, reduce traffic congestion at intersection; bypass to downtown Watsonville; Still needs extra \$1.7M. Funding contingent on County securing other funds by Sept. 2019. Require signal upgrades to include audible signal components, as recommended by E/DTAC. Shifts \$125k STIP from Casserly Road Bridge Replacement (completed with other funds).	\$767,000	\$767,000
County of Santa Cruz	Scotts Valley Area Routes Chip Seal Project	Roadway rehabilitation: Digouts, Chip Seal, and restriping Mt. Hermon Rd (PM 1.31 to SV city limits), Lockewood Ln (GH-SV city limits), and Graham Hill Rd (Sims to Lockewood) - 2.76mi	\$940,000	\$832,000	High use, primary routes between SLV and Scotts Valley. Chip seal is cost effective. Ensure small aggregate used to improve safety for bicycles, widen shoulders where feasible. County can scale project or commit other funds.	\$680,000	\$725,000
County of Santa Cruz	Zayante Road Corridor Chip Seal Project	Roadway rehabilitation: Digouts, Chip Seal, and restriping East Zayante & Upper E. Zayante from Quail Hollow to SR 35 (9.07mi)	\$1,725,000	\$950,000	Chip seal is cost effective. Road used by transit also. Ensure small aggregate used to improve safety for bicycles, widen shoulders where feasible. County can scale project or commit other funds.	\$950,000	\$950,000
Total				\$22,681,590		\$9,733,590	\$14,952,590

Funding Sources: RSTP/X: Regional Surface Transportation Program/Exchange; SGR: SB1 State of Good Repair; STA: State Transit Assistance; STIP: State Transportation Improvement Program (STIP);

STBG: Surface Transportation Block Grant Program (STBG); TDA: Transportation Development Act

Projects #: RTC: Regional Transportation Commission; CO: County of Santa Cruz; CAP: Capitola; SC: City of Santa Cruz; SV: Scotts Valley; WAT: Watsonville; EA: Ecology Action; HSA: County Health Services Agency; UCSC: University of California at Santa Cruz