

	#	Title	Total Project Cost (\$2023 in millions)	Description	Sponsor	2016 Measure B (MB)
TRANSIT	1	BART to Silicon Valley Phase II	\$12,200	Extend BART's existing Green Line and Orange Line rail services from Berryessa to Santa Clara, including four new stations and park-and-ride facilities.	VTA	MB
	2	Visionary Network - Bus	\$2,936	Project will expand VTA's transit network and would offer more service compared to today's service levels. For the bus network this includes a - 10-minute frequency on rapid and frequent routes - 15-minute frequency on local routes - expanded spans of service including expanded overnight bus service - expanded weekend service These service improves also require the following capital improvements - procurement of 300-400 additional busses - Additional bus yard space	VTA	MB
	3	SR-85 New Transit and Congestion Relief Project	\$350	Bus-based transit project operating in the median-lane and serving median stations, as recommended by the SR 85 PAB and adopted by the Board of Directors.	VTA	MB
	4	2016 Measure B Caltrain Grade Separation Program	\$1,300	To fund grade separation projects along the Caltrain corridor in the cities of Sunnyvale, Mountain View and Palo Alto, separating the Caltrain tracks from roadways to provide increased safety benefits for drivers, bicyclists and pedestrians and also reduce congestion at the intersections.	Various Cities	MB
	5	2016 Measure B Caltrain Capacity Improvements	\$400	To fund Caltrain corridor capacity improvements and increased service in Santa Clara County in order to ease highway congestion, including: increased service to Morgan Hill and Gilroy, station improvements, level boarding, extended platforms and service enhancements.	VTA/Caltrain	MB
	6	Fast Transit Implementation	\$334	Improvements to existing bus service. Improvements include countywide TSP system; bus lanes on Monterey corridor, Santa Clara street, and most of the high capacity transit network; queue jumps at select locations in the HCT network such as Brookway and Stevens Creek; Other transit speed and reliability improvements that support delivery of the 10 minute network; improvements to transit operations on King Rd per the CS study results; faster fare collection equipment; off-board fare collection; all-door boarding; and software and hardware upgrades for improved headway management.	VTA	
	7	Visionary Network - Light Rail	\$619	Project will expand VTA's transit network and would offer more service compared to today's service levels. For the bus network this includes a - 10-minute frequency on all light rail routes These service improves also require the following capital improvements - double tracking two single tracked segments on the existing Green line	VTA	
	8	Eastridge to BART Regional Connector	\$618	Extend VTA's existing Orange Line service from Alum Rock Station to the Eastridge Transit Center. Improvements include two new stations and elevated structures.	VTA	
	9	VTA Light Rail Modernization and Grade Separation (Diridon to Japantown Tunnel)	\$1,500	Project would grade separate into an underground configuration (tunnel or cut & cover) to create a subway between Diridon Station and Japantown light rail stations	VTA	
	10	VTA Light Rail Modernization and Grade Separation (1st St Corridor North San Jose)	\$2,200	Improvements to VTA's existing light rail service. Improvements include grade separations between Civic Center Station and Baypointe and frequency upgrades (7.5 minute peak headways).	VTA	
	11	Zero-Emission Bus Fleet Transition	\$812	The successive addition of zero-emission bus electric charging and/or hydrogen fueling infrastructure, purchase of new zero-emission buses (battery-electric or hydrogen fuel cell), and energy management, sustainability and resiliency infrastructure like on-site solar panels and on-site energy storage at VTA's Cerone, Chaboya and North Bus Depots. Complies with CARB Innovative Clean Transit Regulation that the fleet is fully zero-emission bus by 2040.	VTA	
	12	New Light Rail Vehicles	\$400	Procurement of up to 75 Light Rail Cars	VTA	
	13	Guadalupe Yard Enhancements	\$100	Reconfigure and enhance the existing Guadalupe Light Rail yard to meet industry standard and state of good repair. The current site lacks a way, power and signal maintenance building and has not been rehabilitated over its 35 year life. Improvements to include new WP&S building, part management changes, inclusion of training components, changes for maintenance efficiency enhancement, etc.	VTA	
	14	VTA Light Rail modernization	\$330	Project would construct and operate a number of Light Rail related improvements to speed up the existing system and to facilitate expanded service. This includes: Downtown San Jose Light Rail Realignment; Turnback track at Hostetter to facilitate expanded Blue Line service; Grade Separations at two locations; and modifications to improve signal timing and minor design changes to improve intersections	VTA	
	15	Stevens Creek Corridor	\$2,830	To Be Determined; Placeholder from PBA 2050	VTA/Multiple Cities	
	16	Mountain View Downtown Transit Center Improvements	\$145	Improvements to accommodate the increased number of Caltrain and light rail riders by adding underground parking and expanding bus/shuttle transfer area.	Mtn View	
	17	Mountain View Community Shuttle Expansion	\$48	Double service frequency, design and construct charging infrastructure, secure permanent storage and charging site, vehicle replacement every 12 to 15 years.	Mtn View	
	18	Palo Alto Downtown Coordinated Area Plan and Transit Center Improvements	\$400	Collaborate with Stanford University, VTA, Caltrain and other agencies to pursue improvements to the Palo Alto Transit Center area aimed at enhancing the pedestrian experience and improving circulation and access for all modes, including direct access to El Camino Real for transit vehicles. Pursue extension of Quarry Road for transit, pedestrians and bicyclists to access the Palo Alto Transit Center from El Camino Real.	Palo Alto	
	19	San Jose Airport Connector	\$500	New automated people mover service between San Jose International Airport and Diridon Station.	San Jose	
	20	San Jose Diridon Station	\$9,600	Project would redevelop and expand the Diridon station to allow for additional train service.	Various	
EXPRESSWAYS	21	2016 Measure B Expressway (Tier 1 Expressway Plan) Major and Minor Projects	\$1,032	Various Projects identified as part of 2016 Measure B Program	County	MB
	22	Capitol Expwy Improvements Tier 2 & 3	\$243	Countywide Expwy Study Tier 2 & 3 Improvements on Capitol	County	
	23	Central Expwy Improvements Tier 2 & 3	\$522	Countywide Expwy Study Tier 2 & 3 Improvements on Central	County	
	24	Lawrence Expwy Improvements Tier 2 & 3	\$612	Countywide Expwy Study Tier 2 & 3 Improvements on Lawrence	County	
	25	Montague/McCarthy-O'Toole Grade Separation (square loop)	\$93	Eliminate traffic signal at this intersection by grade separating the expressway	County/San Jose	
	26	Montague/Trimble Flyover	\$51	Construct 2-lane flyover	County/San Jose	

COMPLETE STREETS

27	2016 Measure B Local Roadway Improvements	\$1,500	Road repairs and improvements and congestion relief projects with a Complete Streets requirement.	Various Cities	MB
28	2016 Measure B Bicycle and Pedestrian Program	\$318	To fund bicycle and pedestrian projects of countywide significance identified by the cities, County and VTA. The program will give priority to those projects that connect to schools, transit and employment centers; fill gaps in the existing bike and pedestrian network; safely cross barriers to mobility; and make walking or biking a safer and more convenient means of transportation for all county residents and visitors. Bicycle and pedestrian educational programs such as Safe Routes to Schools, will be eligible for funding.	Various Cities	MB
29	Tenth Street Bridge at Uvas Creek	\$30	This project consists of constructing a two-lane bridge with sidewalks and Class II Bike Lanes along Tenth Street over Uvas Creek, as well as other features. The project will also include a "breezeway bridge" over the current Class I Levee Path, which will enable levee users to cross under Tenth Street, avoiding an at-grade vehicle/pedestrian crossing. The project includes a new roundabout at the Uvas Park Drive/Tenth Street intersection. The bridge will connect two segments of Tenth Street, which currently terminate on either side of Uvas Creek, and allow Tenth Street to extend as one continuous roadway from the US 101 / Tenth Street (Automall Parkway) Interchange to Santa Teresa Boulevard.	Gilroy	
30	Shoreline Boulevard Pedestrian/Bicycle Complete Street Implementation—El Camino Real to Montecito Avenue	\$23	Implementation of Shoreline Boulevard Complete Street improvements as identified in the 2015 California Street/ Escuela Avenue/Shoreline Boulevard Feasibility Study including a road diet.	Mtn View	
31	California Street Pedestrian/ Bicycle Complete Street Implementation — Showers Drive to Bryant Street	\$45	Implementation of California Street Complete Street improvements as identified in the 2015 California Street/Escuela Avenue/ Shoreline Boulevard Feasibility Study.	Mtn View	
32	Landings Frontage Road from Landings to Permanente Creek	\$54	Roadway extension including bridge across Permanente Creek and acquisition of property adjacent to creek to increase connectivity in this superblock area within the City	Mtn View	
33	East Whisman across barrier connection between Ravendale and Ferguson (under SR 237)	\$48	Design and construction of new across barrier connection between Ravendale and Ferguson, under SR 237 as identified in the Draft East Whisman Precise Plan	Mtn View	
34	Shoreline Blvd Cycle Track and Bus Lane Extension from Plymouth/Space Park to Charleston	\$6	Construct a reversible median transit lane on Shoreline Boulevard between Space Park Way and Charleston Road to serve shuttles, private company commuter buses and other transit vehicles traveling into and out of the North Bayshore Area during commute times. Includes protected intersection at Middlefield Road. Includes one-way protected bikeways on both sides of Shoreline Boulevard.	Mtn View	
35	Mary Avenue Extension	\$250	Implement a multi-modal extension of Mary Avenue over US-101, SR-237 and Moffett Park LRT Station to 11th Avenue and Discovery Way (formerly E Street) in Moffett Park.	Sunnyvale	
36	Santa Clara Street Complete Streets with Transit Priority Improvements	\$150	Reduce the number of general purpose lanes for the Principal Arterial. Improvements include dedicated BAT lanes, transit signal priority, and other complete streets and placemaking improvements that will transform the Grand Boulevard to be Downtown San Jose's most prominent street for transit and commercial activities.	San Jose	
37	Senter Road Pedestrian and Bicycle Safety Improvements	\$150	Reduce the number of general purpose lanes for the Principal Arterial from 6 to 4. Improvements include protected bike lanes, and other complete streets improvements for San Jose's City Connector street.	San Jose	
38	Monterey Road Corridor Complete Streets with Transit Priority Improvements	\$200	Reduce the number of general purpose lanes for the Principal Arterial. Improvements include dedicated BAT lanes, transit signal priority, protected bike lanes, and other complete streets improvements along Monterey Road between Alma Avenue and Ford Road.	San Jose	
39	Winchester Boulevard Corridor Complete Streets with Transit Priority Improvements	\$150	Reduce the number of general purpose lanes for the Principal Arterial. Improvements include dedicated BAT lanes, transit signal priority, protected bike lanes, and other complete streets improvements along Winchester Boulevard	San Jose	
40	Saratoga Avenue Corridor Complete Streets with Transit Priority Improvements	\$150	Reduce the number of general purpose lanes for the Principal Arterial. Improvements include dedicated BAT lanes, transit signal priority, protected bike lanes, and other complete streets improvements along Saratoga Avenue	San Jose	
41	Pruneridge Avenue Complete Streets	\$10	The project will add 2.2 miles of buffered bike lanes on Pruneridge Avenue: two lanes between Pomeroy Avenue and Luther Drive, four lanes between Gambelin Drive and Saratoga Avenue, two lanes between Harold Avenue and Winchester Boulevard, center turn lane, buffered bike lanes along the entire study area, and parking removal on the south side of Pruneridge Avenue between Saratoga Avenue and Harold Avenue.	Santa Clara	
42	Bascom Complete Street Improvements: Phase 1 and Phase 2	\$50	This project will construct community-identified complete streets and safety improvements on a six-mile stretch of Bascom Avenue in Santa Clara County, consistent with the Bascom Avenue Complete Streets Study. Phase 1 constructs improvements between I-880 and Hamilton Avenue. Phase II constructs improvements between Hamilton Avenue and State Route 85. The project will close sidewalk gaps, improve crossings, add new controlled pedestrian crossings, add a Class IV separated bikeway and transit islands, construct a raised median, and add street trees and lighting safety enhancements. Project runs through Campbell, San Jose, Unincorporated County.	VTA/Various Cities	
43	Tasman Complete Streets Improvements	\$93	Project will construct bicycle, pedestrian, and transit enhancements on a seven-mile stretch of Tasman Drive and Great Mall Parkway in Sunnyvale, Santa Clara, San Jose, and Milpitas, consistent with conceptual improvements identified in the Tasman Complete Streets Corridor Study. Improvements include closing gaps in bikeways and sidewalks, enhancing bicycle and pedestrian connectivity, safety improvements, wayfinding, signage, and lighting	Various Cities	
44	Central Bikeway Implementation	\$213	Project will construct the Central Bikeway, a 10-mile long bike superhighway along El Camino Real (SR 82), Hedding Street, Taylor Street, and Maybury Road in Santa Clara, Unincorporated Santa Clara County, and San Jose, consistent with conceptual improvements identified in the Central Bikeway Study. The project includes a Class IV bikeway along nearly the entire corridor, signal timing improvements, wayfinding, landscaping, protected intersections, tabled intersections, and other enhancements.	Various Cities	
45	Homestead Road Safe Routes to School Improvements	\$18	Project will construct bicycle and pedestrian safety improvements on Homestead Road between Foothill Expressway and Hollenbeck Avenue in Los Altos, Cupertino, Sunnyvale, and Unincorporated County, consistent with the Homestead Safe Routes to School Corridor Study led by Santa Clara County Roads and Airports Department in 2018-2019. When built, project will upgrade Class II bike lanes to Class IV physically protected bikeway where feasible, build Class I bike path; close sidewalk gaps; widen sidewalks; improve intersections for pedestrians and bicyclists; and improve the NB SR 85/Homestead ramp for bicyclists and pedestrians.	Various Cities	

	46 Bicycle Superhighway Implementation	\$531	Design and construct 17 interconnected bicycle superhighways in Santa Clara County, as described in Bicycle Superhighway Implementation Plan. Line item does NOT include Central Bikeway, which is submitted as a separate project. Projects are: Bascom Avenue/Los Gatos Boulevard, Bay Trail, Blossom Hill Road, Cochrane Road/Madrona Channel Trail/Tennant Avenue, Coyote Creek Trail, El Camino Real (Palo Alto to Santa Clara/Sunnyvale border), Guadalupe River Trail, Historic De Anza Trail/Union Pacific Railroad Trail, Story-Keys Complete Streets Project, East Channel Trail/Blaney Avenue, East San José North-South Alignment, Junipero Serra Boulevard/Foothill Expressway, Junipero Serra Trail/Pruneridge Avenue, Monterey Road, San Tomas Aquino Creek Trail, Stevens Creek Trail/ Homestead Road/Mary Avenue.	VTA/Various Cities	
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EXPRESS LANES

47	SR-85/US-101 Express Lanes: SR-87 to SR-85/US-101 Connectors (HOV-Lane Conversion)	\$64	This project will convert existing carpool lanes to express lanes on SR 85 from US 101 south (in San Jose) to SR 87, including the existing US 101/SR 85 HOV to HOV direct connector ramps and the approaches to and from US 101.	VTA	
48	US-101: SR-237 to near I-880 (New Dual Lanes)	\$232	In Sunnyvale, Santa Clara and San Jose from near SR 237 in Sunnyvale to I-880 in San Jose: the Project will convert existing HOV Lanes on US 101 to express lanes and add a second express lane in each direction.	VTA	
49	I-880 Express Lanes: SR-237 to US-101 (HOV-Lane Conversion)	\$80	Convert HOV lanes to express lanes in each direction.	VTA	
50	US-101: I-880 to East Dunne Ave (New Dual Lanes)	\$466	On US 101 from I-880 to the SR 85 interchange in San Jose, convert existing HOV lanes to express lanes and add a second express lane from I-880 to Blossom Hill Rd in San Jose. On US 101 from SR 85 South in San Jose to East Dunne Avenue in Morgan Hill, convert existing HOV lanes to express lanes from SR 85 to Cochrane Avenue in Morgan Hill, add a second express lane from SR 85 to Cochrane Avenue and construct new express lanes from Cochrane Avenue to East Dunne Avenue in Morgan Hill.	VTA	
51	SR-85: SR-237 to SR-87 (New Dual Lanes)	\$245	On SR 85 from SR 237/Grant Road in Mountain View to I-280 in Cupertino, convert existing HOV lanes to express lanes in both directions. On SR 85 from I-280 in Cupertino to SR 87 in San Jose, convert existing HOV lanes to express lanes and add a second express lane in both directions.	VTA	
52	I-280 Express Lanes: US-101 to Leland Ave (GP-Lane Conversion)	\$38	Convert one general-purpose lane to express lanes in both directions.	VTA	
53	I-280 Express Lanes: Leland Ave to Magdalena Ave (HOV-Lane Conversion)	\$87	Convert HOV lanes to express lanes in both directions.	VTA	
54	I-680 Express Lanes: Calaveras Blvd to US-101 (GP-Lane Conversion)	\$55	Convert one general-purpose lane to express lanes in both directions.	VTA	
55	SR-87 Express Lanes: US-101 to SR-85 (HOV-Lane Conversion)	\$52	Convert HOV lanes to express lanes in both directions.	VTA	
56	US 101 Express Lanes: Dunne Ave to SR 25	\$375	Widen existing freeway to add a new HOV/EL in each direction on US 101 from Dunne Ave to SR 25.	VTA	

HIGHWAYS

57	Calaveras Blvd over UPRR Bridge Improvements	\$190	Replaces the existing four lane bridge, which currently has a single sidewalk and no bicycle lane over the Union Pacific (UP) Railroad tracks, to a six lane bridge. Project will also add sidewalks and bicycle lanes in both directions.	Milpitas	MB
58	SR 17 Corridor Congestion Relief in Los Gatos	\$111	Operational improvements for the SR 17 Corridor, including upgrading Highway 17/Highway 9 interchange to improve pedestrian and bicycle safety, mobility, and roadway operations; deploying advanced transportation technology to reduce freeway cut thru traffic in Los Gatos, including traffic signal control system upgrades in Los Gatos, traveler information system, advanced ramp metering systems and multi-modal congestion relief solutions	VTA	MB
59	SR 87 Technology-based Corridor Improvements	\$43	Improvements in San Jose to address mainline congestion and system reliability through the implementation of technology-based operational improvements to the freeway.	VTA	MB
60	Hwy. Transportation Operations System/Freeway Performance Initiative Phase 1 & 2	\$58	Implement Freeway Performance Initiative projects for Santa Clara County, which includes freeway ITS infrastructure, arterial management, incident management, emergency preparedness, and operations and maintenance of ITS infrastructure.	VTA	MB
61	I-280 Measure B Highway Projects	\$328	Lawrence/Stevens Creek/I-280 Interchange; I-280 Mainline Improvements; I-280/Saratoga Ave Interchange; and I-280 Northbound Braided Ramps between Foothill Expressway and SR 85	VTA	MB
62	I-680 Measure B Highway Projects	\$151	Reconfigure interchange, improve traffic operations and relieve congestion at the I-680/ Alum Rock and I-680/ McKee Road interchanges. Construct an Express Bus Station in the Median of I-680 to connect buses using HOV or Express Lanes with Santa Clara Alum Rock BRT Station.	VTA	MB
63	SR 85 Measure B Highway Projects	\$86	SR 85 Northbound to Eastbound SR 237 Connector Ramp and Northbound SR 85 Auxiliary Lane; SR 85/EI Camino Real Interchange Improvements; and SR 237/EI Camino Real/Grant Rd. Intersection Improvements	VTA	MB
64	SR 237 Measure B Highway Projects	\$66	SR 237/Great America Parkway WB Off- Ramps Improvements and SR 237 WB Additional Lane from McCarthy to North First	VTA	MB
65	US 101 Interchanges Improvements: San Antonio Rd. to Charleston Rd./Rengstorff Ave.	\$192	Improve U.S. 101 interchanges at San Antonio Road to Charleston Road/Rengstorff Avenue including new auxiliary lane.	VTA	MB
66	US 101/Shoreline Blvd. Interchange Improvements	\$32	Interchange improvements at Shoreline Boulevard.	Mountain View	MB
67	I-280/Winchester Interchange Improvements	\$250	Construct improvements at the Winchester Blvd. interchange and I-280/I-880/SR 17 freeway connectors including the addition of ramps and a fly-over and the widening of ramps and connectors.	VTA	MB
68	I-280/Wolfe Road Interchange Improvements	\$120	Modify I-280/Wolfe Road Interchange to relieve congestion and improve local circulation.	VTA	MB
69	US-101 Mabury-Berryessa-Oakland Rd Corridor Project	\$229	Construction of a new interchange at Berryessa Rd/Hedding St overcrossing with the closure of the existing Oakland Rd interchange and improvements to the existing Mabury Rd/Taylor St overcrossing. There will also be enhance bicycle/pedestrian access and connectivity in the project area.	San Jose	MB
70	US-101/SR-25 Interchange Improvements	\$760	Reconstruct the US 101/SR 25 interchange, connect SR 25 and Santa Teresa Boulevard, grade separate SR 25 at RR tracks, construct flood structures, and widen US 101 to freeway standards from the Monterey Street interchange to the US 101/SR 25 interchange. Phase 1 rebuilds the 101/25 overcrossing structure with new signals at the ramp intersections, and is scheduled to begin construction in 2024.	VTA	MB
71	US-101/Zanker Rd/Skyport Dr/Fourth St Interchange Improvements	\$350	Construct a new overcrossing over US 101 connecting Zanker Rd to Skyport Dr/N. Fourth St to create a new north-south corridor parallel to N. First St and modify existing US 101 on and off-ramps.	VTA	MB
72	2016 Measure B Minor Interchange Improvements with Complete Streets	\$65	San Tomas expressway at SR-17 Improvements and Charcot Avenue Extension over I-880	VTA	MB
73	US 101 Southbound/Trimble Rd./De La Cruz Blvd./Central Expressway Interchange Improvements	\$76	Improve interchange at U.S. 101 southbound Trimble Road/De la Cruz Boulevard/Central Expressway.	VTA	MB
74	US 101/SR 152/10th Street Interchange	\$58	The project will US 101/SR 152 Bridge, upgrade on and off ramps, and provide complete streets improvements between Chestnut and Camino Arroyo.	VTA	MB
75	US 101/I-880 Interchange	\$1,500	Reconstruct the US 101/I-880 Interchange in the City of San Jose	VTA	
76	I-880/Montague Interchange Improvements	\$100	Modify interchange to a partial cloverleaf with two signalized intersections	County/San Jose	
TOTAL		\$50,623			