

**City of Mountain View
Requested VTP 2040 Projects**

VTP Project Number*	Project Title	Description	Cost Estimate (in 2017 dollars)	Notes
B89	Permanente Creek Trail: Modification to Undercrossing at Amphitheatre Parkway	Modify the existing undercrossing at Amphitheatre Parkway for the Permanente Creek Trail.	\$0.425 million	Project previously submitted included both a grade separation at Charleston Road and the modification of the Amphitheatre Parkway undercrossing. Project has been revised to only include modification of Amphitheatre Parkway crossing. A separate new project is being submitted (see below) for the Charleston Road crossing.
B92	Stevens Creek Trail Reach 4 Segment 2: Dale/Heatherstone to Mountain View High School	Extend the Stevens Creek Trail from Dale/Heatherstone to Mountain View High School, completing the Stevens Creek Trail in Mountain View.	\$17.0 million	Cost estimate based on Four Cities Study.
B93	Stevens Creek Trail: New Trailhead at Landels School	Improvements include new ADA curb ramp, signs, striping, bollard, and other trail amenities at a new trailhead.	\$1.5 million	Recommended spot improvement (S-44) in Draft Bicycle Transportation Plan (BTP) Update. Cost estimate requires further study/ refinement.
B94	Stevens Creek Trail: Middlefield Road North Side Access	Construct new access point on the north side of Middlefield Road between Highway 85 and Easy Street. Improvements include new ADA curb ramp, signs, striping, bollard, and other trail amenities at the new trailhead.	\$0.85 million	

* The first letters/numbers are project identification numbers assigned by the VTP for existing projects (generally, B projects are focused on bicycle-related projects, R projects are roadway projects, S projects are systems/signal projects, and CDT projects cover community design, transportation, and pedestrian projects).

**City of Mountain View
Requested VTP 2040 Projects (Continued)**

VTP Project Number*	Project Title	Description	Cost Estimate (in 2017 dollars)	Notes
R12	Rengstorff Avenue Grade Separation	Project constructs a grade separation depressing Rengstorff Avenue under Caltrain tracks and reconnecting to a new at-grade Rengstorff Avenue/Central Expressway intersection.	\$150.0 million	
S21	Mountain View Citywide Traffic Signal Upgrade and IP Traffic Signal Access	Install new traffic controllers, software and Internet-accessible traffic signal communications to upgrade the City's existing traffic system.	\$3.0 million	
S23	Rengstorff Avenue Traffic Signal Improvements	Install adaptive traffic signal technology, including a new signal interconnect system along Rengstorff Avenue, from Montecito Avenue to Garcia Avenue/Amphitheatre Parkway.	\$1.6 million	
New Project	Shoreline Boulevard/U.S. Route 101 Pedestrian/Bicycle Overcrossing	New bridge west of the current Shoreline Boulevard overcrossing to provide a fully separated path for pedestrians and bicyclists around the Shoreline/101 interchange.	\$22.0 million	Recommended project from the 2013 Shoreline Transportation Study and 2014 Shoreline Corridor Study. Priority Transportation Improvement identified in the North Bayshore Precise Plan. Project has been offered as a Community Benefit as part of the North Bayshore FAR Bonus process. Staff recommends inclusion in the VTP because of the uncertainty regarding if/when the improvement will actually be built.

**City of Mountain View
Requested VTP 2040 Projects (Continued)**

VTP Project Number*	Project Title	Description	Cost Estimate (in 2017 dollars)	Notes
New Project	Interim Reversible Transit Lane on Shoreline Boulevard	Construction of initial phase of a reversible median transit lane on Shoreline Boulevard between Middlefield Road and Space Park Way to serve Caltrain 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.	\$12.4 million	Transit lane and protected intersection were recommended projects from the 2014 Shoreline Corridor Study. Transit lane was a Priority Transportation Improvement identified in the North Bayshore Precise Plan. Design and construction of these improvements are planned City capital projects (Project 16-58 and Project 17-42).
New Project	Shoreline Boulevard/U.S. Route 101 Off-Ramp Modifications	Realignment of the northbound Shoreline Boulevard off-ramp from U.S. Route 101 to connect to La Avenida rather than directly to Shoreline Boulevard.	\$15.0 million	Recommended project from the 2013 Shoreline Transportation Study. Priority Transportation Improvement identified in the North Bayshore Precise Plan. Feasibility study currently under way (Project 15-39).
New Project	San Antonio Road Interchange/Charleston Road Connection	Widen existing San Antonio Road/U.S. Route 101 overcrossing to four lanes and create a new southbound on-ramp to U.S. Route 101. Close existing Charleston Road on-ramp to southbound U.S. Route 101 and modify it as a new underpass under U.S. Route 101 potentially for reversible auto and transit/HOV lanes, as well as new bicycle and pedestrian connections into and out of the North Bayshore Area.	\$100.0 million	Recommended project from the 2013 Shoreline Transportation Study.

**City of Mountain View
Requested VTP 2040 Projects (Continued)**

VTP Project Number*	Project Title	Description	Cost Estimate (in 2017 dollars)	Notes
New Project	Castro Street/Moffett Boulevard Closure/Grade Separation	Grade separation or closure of Castro Street/Moffett Boulevard at the Caltrain tracks.	\$150.0 million	The comprehensive evaluation of grade separation alternatives that is being conducted in FY 2015-16 as part of City Project 16-41, Transit Center Master Plan, will provide better definition of the project.
New Project	Downtown Transit Center Improvements	Improvements to accommodate the increased number of Caltrain and light rail riders, provide facilities for better connections to other transportation modes at/near the Transit Center site, and address increased demand for housing, employment, and services at/near the Transit Center.	\$125.0 million	A more defined scope and cost estimates for improvements will be developed as a result of City Project 16-41, Transit Center Master Plan. Recommended project from the 2013 Shoreline Transportation Study and 2014 Shoreline Corridor Study.
New Project	Study of Mass Transit Needs for Santa Clara County	Comprehensive study to develop a long-term plan for future mass transit and last-mile investments for Santa Clara County.	\$25.0 million	Request for submitted by nine North County/West Valley cities in a joint letter sent to the VTA on August 27, 2015.
New Project	Implementation Funding for Future Mass Transit Investments in Santa Clara County	Funding to begin implementation of recommended projects and initiatives identified in the comprehensive systemwide study to develop a plan for future mass transit and last-mile investments in Santa Clara County and connections to other counties.	\$750.0 million	Other cities making similar request.

**City of Mountain View
Requested VTP 2040 Projects (Continued)**

VTP Project Number*	Project Title	Description	Cost Estimate (in 2017 dollars)	Notes
New Project	Shoreline Boulevard Cycle Track – Stierlin Road to Terra Bella Avenue	Addition of one-way protected bicycle lanes on both sides of Shoreline Boulevard.	\$9.5 million	Recommended project from the 2014 Shoreline Corridor Study. City Projects 17-41 and 19-29 in the outer years of the CIP are for the design and construction bicycle and pedestrian improvements between the Transit Center and Montecito Avenue. Unscheduled Project US-28 in the City’s CIP has been developed for the design and construction of bicycle and pedestrian improvements on Shoreline from Stierlin Road/Montecito Avenue to Middlefield Road.
New Project	Permanente Creek Trail: Grade Separation at Charleston Road	Construct new grade-separated undercrossing at Charleston Road.	\$4.3 million	Staff recommends including this request in the VTP 2040 even though the City is currently in discussions with Google regarding building the improvement.
New Project	Electrified, Modernized Trains/ Station Modifications (CalMod 2.0)	Improve performance; reduce pollutants; improve operations, capacity, service, and reduce dwell time: <ul style="list-style-type: none"> • Full electric car conversion (Santa Clara County share) • Longer (8-car) trains (Santa Clara County share) • Longer platforms in Santa Clara County • Level boarding in Santa Clara County. 	\$230.0 million	Mountain View is submitting this request in support of original request to be submitted by Caltrain. Palo Alto is also submitting funding support requests.

**City of Mountain View
Requested VTP 2040 Projects (Continued)**

VTP Project Number*	Project Title	Description	Cost Estimate (in 2017 dollars)	Notes
New Project	Caltrain System Performance and Reliability	Reduce delays, improve operational flexibility, reliability, and speed movement through congested areas (Santa Clara County share).	\$62.0 million	Mountain View is submitting this request in support of original request to be submitted by Caltrain. Palo Alto is also submitting funding support requests.
New Project	Caltrain Station Improvements	Station improvements/access needs (i.e., parking improvements, bike facilities, transit connectivity, ticket vending machines, and station enhancements) in Santa Clara County.	\$45.0 million	Mountain View is submitting this request in support of original request to be submitted by Caltrain. Palo Alto is also submitting funding support requests.
New Project	Shoreline Boulevard Pathway – Construction	Reconstruct existing pathway on the east side of Shoreline Boulevard from Villa Street to Wright Avenue to install a Class I, two-way, shared bike/pedestrian path.	\$2.1 million	Design is currently under way (Project 15-32). Construction project identified as a Priority Project in the Draft BTP Update. Project currently in the City CIP as Unscheduled (US)-30.
New Project	Castro Street/Moffett Boulevard/Central Expressway Intersection Improvements	Design and construction of near-term improvements to the intersection including: <ul style="list-style-type: none"> • Reconfiguration of northbound Castro Street to eliminate left-turns onto westbound Central Expressway. • Closure of free-running right-turn lanes. • Signal phasing. • High-visibility crosswalks and bicycle pavement markings. 	\$1.7 million	Recommended project from the 2014 Shoreline Corridor Study and a Priority Project identified in the Draft BTP Update.

**City of Mountain View
Requested VTP 2040 Projects (Continued)**

VTP Project Number*	Project Title	Description	Cost Estimate (in 2017 dollars)	Notes
New Project	Moffett Boulevard Bike Lanes	Design and construction of on-street buffered bike lanes or Class IV protected bike lanes (if width permits) to separate bicyclists from vehicles and provide a connection to Moffett Field and Stevens Creek Trail.	\$0.45 million	Priority Project identified in the Draft BTP Update.
New Project	Old Middlefield Way Bike Lanes	Construction of on-street buffered bike lanes or Class IV protected bike lanes (if sufficient width) to separate bicyclists from vehicles and provide a connection between the City of Palo Alto, Permanente Creek Trail, and North Bayshore Area.	\$0.35 million	Priority Project identified in the Draft BTP Update.
New Project	Permanente Creek Trail Extension Feasibility Study	Determine feasibility of extending the multi-use trail along the Permanente Creek corridor from West Middlefield Road to Central Expressway, including connections across Central Expressway to Crisanto and Escuela Avenues, plus on-street alternative routes, access opportunities, and intersection improvements.	\$0.15 million	Priority Project identified in the Draft BTP Update. Also mentioned in 2014 Parks and Open Space Plan. Supplements feasibility work currently being done as part of Project 16-36, Permanente Creek Trail, West Middlefield Road to McKelvey Park, Feasibility Study.
New Project	Palo Alto/Sunnyvale Regional Bicycle Connections	Design and construction of full-time on-street buffered bike lanes on Middlefield Road and Bernardo Avenue, creating a continuous, regional bicycle connection between Palo Alto and Sunnyvale.	\$0.95 million	Priority Project identified in the Draft BTP Update.

**City of Mountain View
Requested VTP 2040 Projects (Continued)**

VTP Project Number*	Project Title	Description	Cost Estimate (in 2017 dollars)	Notes
New Project	El Camino Real Bike Lanes	Design and install Class II buffered bike lanes or Class IV protected bike lanes (if width permits) on El Camino Real between Calderon Avenue and the Mountain View/Sunnyvale border.	\$0.35 million	Priority Project identified in the Draft BTP Update. Recommended project in the 2014 El Camino Real Precise Plan
New Project	Shoreline Boulevard Transportation Corridor Improvements – Full Build-Out	Design and construct the full build-out of improvements identified in the Shoreline Corridor Study, including reversible transit lane and stations, cycle tracks, street-scape, and other improvements.	\$9.0 million	Recommended project from the 2014 Shoreline Corridor Study. Bicycle facility improvements along the corridor were identified as a Priority Project in the Draft BTP Update.
New Project	Shoreline Boulevard Pedestrian/Bicycle Complete Street Implementation – El Camino Real to Montecito Avenue	Implementation of Shoreline Boulevard Complete Street improvements as identified in Project 14-41, the California Street/Escuela Avenue/Shoreline Boulevard Feasibility Study.	\$20.0 million	Project 14-41, the California Street/Escuela Avenue/Shoreline Boulevard Feasibility Study, currently under way.
New Project	California Street Pedestrian/Bicycle Complete Street Implementation – Showers Drive to Bryant Street	Implementation of California Street Complete Street improvements as identified in Project 14-41, the California Street/Escuela Avenue/Shoreline Boulevard Feasibility Study.	\$30.0 million	Project 14-41, the California Street/Escuela Avenue/Shoreline Boulevard Feasibility Study, currently under way.
New Project	Escuela Avenue Pedestrian/Bicycle Complete Street Implementation – Latham Street to Crisanto Avenue	Implementation of Escuela Avenue Complete Street improvements as identified in Project 14-41, the California Street/Escuela Avenue/Shoreline Boulevard Feasibility Study.	\$11.0 million	Project 14-41, the California Street/Escuela Avenue/Shoreline Boulevard Feasibility Study, currently under way.
New Project	Bike Share Program Expansion	Expand existing (or alternative) Citywide bike share program.	\$1.0 million	Assume approximately 20 to 25 stations Citywide.

**City of Mountain View
Requested VTP 2040 Projects (Continued)**

VTP Project Number*	Project Title	Description	Cost Estimate (in 2017 dollars)	Notes
New Project	San Antonio Ramp to Southbound Central Expressway	Reconfigure San Antonio ramp to enhance bicycle and pedestrian access to Caltrain Station.	\$30.0 million	Project identified as a Tier 2 project in the County Expressway Plan 2040.
New Project	Mayfield Bicycle/Pedestrian Tunnel	Construct bicycle/pedestrian tunnel under Central Expressway to connect to San Antonio Caltrain Station.	\$8.1 million	Feasibility studied as part of Project 07-25.
New Project	Bernardo Avenue Bicycle/Pedestrian Tunnel	Construction of access improvements and a bicycle/pedestrian undercrossing of the Caltrain tracks.	\$9.8 million	Mountain View submitting this request in support of original request to be submitted by the City of Sunnyvale. Project supports Priority Project identified in the Draft BTP to improve bike connections between Mountain View and Sunnyvale.
New Project	Countywide Highway Noise Abatement Program	VTA Project No. 17 on Draft Project List for VTP 2045 Highway Program.	\$50.0 million	City request supports VTA project request.
New Project	State Route 85 Highway Noise Abatement Pilot Program	VTA Project No. 25 on Draft Project List for VTP 2045 Highway Program.	\$8.0 million	City request supports VTA project request.