



PRIORITY	MEASURE B EXPRESSWAY PROJECT NAME	PROJECT DESCRIPTION
1	Foothill ² Expressway Auxiliary Lanes between El Monte and San Antonio	Add auxiliary lane on Foothill between El Monte and San Antonio by widening Foothill Expressway from 4 to 6 lanes and make intersection improvements at El Monte and San Antonio.
2A	Oregon-Page Mill ² / El Camino Intersection Improvements	Intersection improvements: extend double left turn from westbound Page Mill to southbound El Camino and modify southwest and southeast corners for improved pedestrian crossings.
2B	Oregon-Page Mill ² Intersection Improvements between Porter and Hansen	Intersection improvements: extend/add second left turn lane for WB Pagemill at Hanover intersection and convert to 8-phase signal operation. In addition, close the median gap on Pagemill between Hanover and Porter. Extend EB left turn lane from Pagemill to Hanover and corresponding signal improvements.
3	Santa Teresa- Hale Corridor Road and Trail between Dewitt and Main (Phase 1 ²)	Build 2-lane road connection with trail. (City of Morgan Hill is Lead Agency).
4	Almaden Expressway at Camden Ave Intersection Improvements	Intersection improvements: Upgrade the traffic signal to 8 phase. Add 2nd left turn lanes from both directions of Almaden onto Camden, remove shared left/through lane and provide separate left/thru lane, and close sidewalk gap.
5	Central Expressway at Thompson Intersection Improvement	Remove uncontrolled median opening (close the median).
6A	Montague Expressway Complete 8-lane Widening including HOV lanes and Auxiliary Lanes between Trade Zone to Main (Phase A)	Add eastbound auxiliary lane.
6B	Montague Expressway Complete 8-lane Widening including HOV lanes and Auxiliary Lanes between Great Mall to Trade Zone (Phase B)	Widen from 6 to 8 lanes (HOV lanes), including closing sidewalk gaps.
6C	Montague Expressway Complete 8-lane Widening including HOV lanes and Auxiliary Lanes between Main/Oakland to McCarthy/O'Toole (Phase C)	Widen from 6 to 8 lanes (HOV lane in westbound only) including modifications to I-880 interchange and closing sidewalk gaps
7	Lawrence Expressway at Homestead Road Interim Improvements	Interim improvement: add eastbound through lane.
8A	Lawrence Expressway from Reed/Monroe to Arques Grade Separation	Grade separation (Part of ultimate plan to make Lawrence freeway-like between I-280 and US 101 by adding grade separations at intersections and removing signals for Lawrence Expwy).
8B	Lawrence Expressway at Homestead Road Grade Separation	Grade separation - Homestead Road at Kaiser Hospital.
9	San Tomas Expressway Widening and Trail between Homestead and Stevens Creek	Widening between Homestead and Stevens Creek with trail.
10	I-280/Foothill Expressway Interchange Modifications and Auxiliary Lane to Homestead	Add signal at the southbound I-280 off-ramp intersection and intersection improvements at northbound I-280 off-ramp, including pedestrian crossing enhancements, potential Stevens Creek Trail and northbound auxiliary lane on Foothill to Homestead.
11	Almaden Expressway at SR 85 - Interim Improvements	Interim improvement: address access issues between Cherry and SR 85.
12	SR 17/San Tomas Expressway Interim Improvements	Interim improvement: northbound SR 17 off-ramp improvements to include signal at White Oaks with interconnect at San Tomas/Camden signal and lane reconfigurations.
13	Almaden Expressway at Branham Lane Intersection Improvement	Intersection improvement: extend 4th southbound lane to begin north of intersection.
14	Oregon-Page Mill Widening (possible HOV lanes) and Trail between I-280 and Foothill Expressway	Widen from 4 to 6 lanes (possible HOV lane) from I-280 to Foothill with intersection improvements at Junipero Serra Blvd-Foothill intersection, including a bike/pedestrian trail extension from Deer Creek to I-280 and enhanced bicycle connection from easterly Old Page Mill Road access to Junipero Serra Blvd.
15	I-280/Oregon-Page Mill Road Interchange Reconfiguration	Modify interchange: Proposed concept is roundabout west of interchange, P&R Lot reconfiguration, signal at northbound I-280 off-ramp, frontage road from Christopher Lane to Old Page Mill, and signal at Old Page Mill. Plus bicycle and pedestrian improvements throughout.
16	Santa Teresa-Hale Corridor Widening and Trail between Long Meadow and Fitzgerald	Widen to 4 travel lanes and add trail.
17	Capitol Expressway Widening and Interchange Modifications between I-680 and Capitol Avenue	Widen from 6 to 8 lanes: includes ramp realignments and sound wall and sidewalk gap closures.
Annual	Expressway ITS/Signal System Countywide	Intelligent Transportation System (ITS) Short Term: Replace/upgrade/add fiber optic lines; upgrade equipment for new technologies; systemwide pedestrian sensors; enhance/replace bicycle and vehicle detection with new technologies.

ATTACHMENT B

Measure B Expressway Program
 Prioritization of Projects
 Technical Working Group (TWG)
 March 18, 2019

PROJECT GROUPINGS
 ●●●● GROUPING 1
 ●●●● GROUPING 2
 ●●●● GROUPING 3

Legend
 ■ CalTrain Stations
 — Expressways
 — County border

PROJECT NAME		PROJECT DESCRIPTION	PROJECT STATUS	ESTIMATED COST	ESTIMATED COST
Expressway Program Manager		Program scope validation, program sequencing/phasing recommendation, financing approaches to, alternative delivery, macro/micro controls regimen	Under discussion with VTA		TBD
PRIORITY	MEASURE B EXPRESSWAY PROJECT NAME	PROJECT DESCRIPTION	PROJECT STATUS	ESTIMATED COST (Millions, 2018 value)	POSITIVE-NEUTRAL-NEGATIVE
1	Foothill ² Expressway Auxiliary Lanes between El Monte and San Antonio	Add auxiliary lane on Foothill between El Monte and San Antonio by widening Foothill Expressway from 4 to 6 lanes and make intersection improvements at El Monte and San Antonio.	Currently completing 95% Preliminary Engineering (PE) in FY19/20, Construction (CON) to begin in FY20. Construction anticipated in Summer 2019, pending Funding Agreement with VTA.	\$2.2	1 2 3 4 5 6 7 8 9
2A	Oregon-Page Mill ² / El Camino Intersection Improvements	Intersection improvements: extend double left turn from westbound Page Mill to southbound El Camino and modify southwest and southeast corners for improved pedestrian crossings.	Begin PE in FY19/20: Preliminary Design (35%) and anticipate Final Design in Summer 2020. Begin CON in FY20.	\$2.4	1 2 3 4 5 6 7 8 9
2B	Oregon-Page Mill ² Intersection Improvements between Porter and Hansen	Intersection improvements: extend/add second left turn lane for WB Pagemill at Hanover intersection and convert to 8-phase signal operation. In addition, close the median gap on Pagemill between Hanover and Porter. Extend EB left turn lane from Pagemill to Hanover and corresponding signal improvements.	Begin PE in FY19/20: Preliminary Design (35%) and anticipate Final Design in Summer 2020. Begin CON in FY20.	\$2.7	1 2 3 4 5 6 7 8 9
3	Santa Teresa- Hale Corridor Road and Trail between Dewitt and Main (Phase 1 ²)	Build 2-lane road connection with trail. (City of Morgan Hill is Lead Agency).	Final Design completed. Construction to begin upon Funding Agreement between County, VTA, City of Morgan Hill.	\$13.5	1 2 3 4 5 6 7 8 9
4	Almaden Expressway at Camden Ave Intersection Improvements	Intersection improvements: Upgrade the traffic signal to 8 phase. Add 2nd left turn lanes from both directions of Almaden onto Camden, remove shared left/through lane and provide separate left/thru lane, and close sidewalk gap.	Begin PE in FY21/22, CON in FY22/23	\$2.6	1 2 3 4 5 6 7 8 9
5	Central Expressway at Thompson Intersection Improvement	Remove uncontrolled median opening (close the median).	Begin PE in FY21, CON in FY20/21.	\$0.5	1 2 3 4 5 6 7 8 9
6A	Montague Expressway Complete 8-lane Widening including HOV lanes and Auxiliary Lanes between Trade Zone to Main (Phase A)	Add eastbound auxiliary lane.	Begin PE in FY21, CON in FY20/21.	\$5.0	1 2 3 4 5 6 7 8 9
6B	Montague Expressway Complete 8-lane Widening including HOV lanes and Auxiliary Lanes between Great Mall to Trade Zone (Phase B)	Widen from 6 to 8 lanes (HOV lanes), including closing sidewalk gaps.	PE in FY22 - Will move forward once private developments under construction within this corridor are completed.	\$8.0	1 2 3 4 5 6 7 8 9
6C	Montague Expressway Complete 8-lane Widening including HOV lanes and Auxiliary Lanes between Main/Oakland to McCarthy/O'Toole (Phase C)	Widen from 6 to 8 lanes (HOV lane in westbound only) including modifications to I-880 interchange and closing sidewalk gaps	Begin PE in FY22 or beyond - Proposed private developments within this corridor will affect timing and possibly scope of project. Phase C will require further discussions with Cities of Milpitas and San Jose.	\$30.1	1 2 3 4 5 6 7 8 9
7	Lawrence Expressway at Homestead Road Interim Improvements	Interim improvement: add eastbound through lane.	Begin PE in FY21/FY22. Corridor requires coordination and concurrence with Cities of Cupertino (Valco Redevelopment), Sunnyvale (ROW and Traffic Impacts), and Santa Clara (ROW and Traffic Impacts).	\$2.6	1 2 3 4 5 6 7 8 9
8A	Lawrence Expressway from Reed/Monroe to Arques Grade Separation	Grade separation (Part of ultimate plan to make Lawrence freeway-like between I-280 and US 101 by adding grade separations at intersections and removing signals for Lawrence Expwy).	FY22 (Expressway Program Validation). Develop Program and Funding Plan.	\$440.0	1 2 3 4 5 6 7 8 9
8B	Lawrence Expressway at Homestead Road Grade Separation	Grade separation - Homestead Road at Kaiser Hospital.	FY22 (Expressway Program Validation). Develop Program and Funding Plan.	\$100.0	1 2 3 4 5 6 7 8 9
9	San Tomas Expressway Widening and Trail between Homestead and Stevens Creek	Widening between Homestead and Stevens Creek with trail.	Begin PE in FY22/23, CON in FY24/25.	\$41.0	1 2 3 4 5 6 7 8 9
10	I-280/Foothill Expressway Interchange Modifications and Auxiliary Lane to Homestead	Add signal at the southbound I-280 off-ramp intersection and intersection improvements at northbound I-280 off-ramp, including pedestrian crossing enhancements, potential Stevens Creek Trail and northbound auxiliary lane on Foothill to Homestead.	FY22 (Expressway Program Validation). Develop Program and Funding Plan.	\$5.0	1 2 3 4 5 6 7 8 9
11	Almaden Expressway at SR 85 - Interim Improvements	Interim improvement: address access issues between Cherry and SR 85.	FY22 (Expressway Program Validation). Develop Program and Funding Plan.	\$0.5	1 2 3 4 5 6 7 8 9
12	SR 17/San Tomas Expressway Interim Improvements	Interim improvement: northbound SR 17 off-ramp improvements to include signal at White Oaks with interconnect at San Tomas/Camden signal and lane reconfigurations.	Begin PE in FY22/23, CON in FY24/25 - Project should be combined with two projects in the Measure B - Interchange Program (SR-17 - SB /Hamilton Ave & SR17/San TomasExp Improvements). If combined with the Interchange Program projects, the priority and schedule will be modified.	\$1.5	1 2 3 4 5 6 7 8 9
13	Almaden Expressway at Branham Lane Intersection Improvement	Intersection improvement: extend 4th southbound lane to begin north of intersection.	FY22 (Expressway Program Validation). Develop Program and Funding Plan.	\$0.7	1 2 3 4 5 6 7 8 9
14	Oregon-Page Mill Widening (possible HOV lanes) and Trail between I-280 and Foothill Expressway	Widen from 4 to 6 lanes (possible HOV lane) from I-280 to Foothill with intersection improvements at Junipero Serra Blvd-Foothill intersection, including a bike/pedestrian trail extension from Deer Creek to I-280 and enhanced bicycle connection from easterly Old Page Mill Road access to Junipero Serra Blvd.	FY22 (Expressway Program Validation). Develop Program and Funding Plan.	\$23.0	1 2 3 4 5 6 7 8 9
15	I-280/Oregon-Page Mill Road Interchange Reconfiguration	Modify interchange: Proposed concept is roundabout west of interchange, P&R Lot reconfiguration, signal at northbound I-280 off-ramp, frontage road from Christopher Lane to Old Page Mill, and signal at Old Page Mill. Plus bicycle and pedestrian improvements throughout.	FY22 (Expressway Program Validation). Develop Program and Funding Plan.	\$20.0	1 2 3 4 5 6 7 8 9
16	Santa Teresa-Hale Corridor Widening and Trail between Long Meadow and Fitzgerald	Widen to 4 travel lanes and add trail.	FY22 (Expressway Program Validation). Develop Program and Funding Plan.	\$8.0	1 2 3 4 5 6 7 8 9
17	Capitol Expressway Widening and Interchange Modifications between I-680 and Capitol Avenue	Widen from 6 to 8 lanes: includes ramp realignments and sound wall and sidewalk gap closures.	Will proceed after Capitol Expressway Light Rail Extension Project is completed by VTA.	\$12.0	1 2 3 4 5 6 7 8 9
Annual	Expressway ITS/Signal System Countywide	Intelligent Transportation System (ITS) Short Term: Replace/upgrade/add fiber optic lines; upgrade equipment for new technologies; systemwide pedestrian sensors; enhance/replace bicycle and vehicle detection with new technologies.	Begin activities in Fiscal Year (FY) 2020	\$17.5	1 2 3 4 5 6 7 8 9