

Appendix I.
No Project Alternative

No Project Alternative Highway and Transit Elements

Funded and programmed improvements on the highway network and the transit systems that form the No Project Alternative are based on the financially constrained Regional Transportation Plan (RTP) developed by Metropolitan Transportation Commission (MTC). The most recent 2035 Plan was adopted in December 2008. Intercity highway improvements included as part of the No Project Alternative include infrastructure projects as well as intelligent transportation system and other potential system improvements programmed to be in operation by 2035. Transit improvements in the San Francisco to San Jose section include upgrades and improvements to Caltrain, BART, Muni, SamTrans and the VTA bus and rail system.

The funded and programmed improvements are identified by county in the following list:

Number	Project/Program
San Francisco	
SF01	Extend the Third Street Light Rail line from north of King Street to Clay Street in Chinatown via a new Central Subway, including the purchase of light-rail vehicles
SF02	Provide new historic streetcar service along the Embarcadero between the Caltrain Station and Fisherman's Wharf; extend streetcar service from Fisherman's Wharf to Fort Mason
SF03	Extend Third Street Light Rail from Fourth and King Streets to Bayshore Caltrain Station
SF04	Reconstruct and widen Harney Way to 8 lanes (6 mixed flow, 2 bus-only for Bus Rapid Transit service) and improve bicycle lanes and sidewalks
San Mateo	
SM01	Reconstruct U.S. 101/Broadway interchange
SM02	Modify U.S. 101/Woodside Road interchange
SM03	Construct auxiliary lanes (one in each direction) on U.S. 101 from Sierra Point to San Francisco County line
SM04	Reconstruct U.S. 101/Willow Road interchange
SM05	Modify University Avenue overcrossing of U.S. 101 to improve operational efficiency and safety (includes widening of overcrossing, constructing new southbound off-ramp and auxiliary lane, and adding bicycle lanes)
SM06	Construct auxiliary lanes (one in each direction) on U.S. 101 from Marsh Road to Embarcadero Road
SM07	Construct auxiliary lanes (one in each direction) on U.S. 101 from San Bruno Avenue to Grand Avenue
SM08	Improve access to/from west side of Dumbarton Bridge on Route 84 connecting to U.S. 101 (includes flyovers, interchange improvements and conversion of Willow Road between Route 84 and U.S. 101 to expressway)
SM09	Improve Route 92 from San Mateo-Hayward Bridge to I-280 (includes widening and uphill passing lane from U.S. 101 to I-280)
SM10	Widen Woodside Road from 4 to 6 lanes from El Camino Real to Broadway
SM11	Construct ferry terminal at Redwood City
SM12	Construct Bayshore Intermodal Facility for Caltrain, Muni light rail, and Muni and SamTrans buses (includes cross-platform transit transfers between Muni Third Street light-rail station and Caltrain Bayshore station)

Number	Project/Program
SM13	Extend Geneva Avenue to the U.S. 101/Candlestick Point interchange (includes Caltrain grade separation at Tunnel Avenue and other local street improvements)
SM14	Reconstruct U.S. 101/Sierra Point Parkway interchange (includes extension of Lagoon Way to U.S. 101)
SM15	Construct auxiliary lanes (one in each direction) on I-280 from I-380 to Hickey Boulevard
SM16	Provide countywide shuttle service between Caltrain stations and major activity centers (includes purchase of vehicles)
SM17	Construct new U.S. 101/Produce Avenue interchange (includes replacement of Produce Avenue on- and off-ramps and South Airport Boulevard ramps to U.S. 101 at Wondercolor Lane)
SM18	Improve U.S. 101 operations near Route 92
SM19	Improve station facilities and other rail improvements in Redwood City, Menlo Park and East Palo Alto in conjunction with the Dumbarton Rail Corridor
SM20	Reconstruct U.S. 101/Candlestick Point interchange
SM21	Construct auxiliary lanes on U.S. 101 from 3rd Avenue to Millbrae and reconstruct U.S. 101/Peninsula interchange
SM22	Modify U.S. 101/Holly Street interchange (includes widening eastbound to northbound loop to 2 lanes and eliminating northbound to westbound loop)
SM23	Modify Route 92/El Camino Real interchange
Santa Clara	
SC01	Construct interchange at U.S. 101 and Buena Vista Avenue
SC02	Improve U.S. 101 southbound Trimble Road/De La Cruz Boulevard/Central Expressway interchange
SC03	Expand the Palo Alto Caltrain Station and Bus Transit Center
SC04?	Provide VTA's share of funds for additional train sets, passenger facilities, and service upgrades for the ACE service from San Joaquin and Alameda counties
SC05	Extend BART from Fremont to San Jose (includes environmental, preliminary engineering, property acquisition and construction phases)
SC06	Implement the Mineta San Jose International Airport automated people-mover service
SC07	Convert the HOV lane on Central Expressway between San Tomas and De La Cruz to a general purpose lane
SC08	Improve bicycle/pedestrian safety at I-280/Oregon-Page Mill interchange
SC09	Widen I-880 for HOV lanes in both directions from Route 237 in Milpitas to U.S. 101 in San Jose
SC10	Extend the Capitol Avenue light-rail line from the Alum Rock Transit Center to a rebuilt Eastridge Transit Center
SC11	Convert HOV queue-jump lanes along Central Expressway at Bowers Avenue to general purpose lanes
SC12	Construct interchange at Lawrence Expressway and Arques Avenue
SC13	Construct interchange at I-880 and Montague Expressway (includes improvements to Montague



Number	Project/Program
	Expressway)
SC14	Improve Great America Parkway and Mission College Boulevard intersection (includes adding triple left-turn lanes in two directions and traffic signal upgrades)
SC15	Extend Charcot Avenue over I-880 as a new 2-lane roadway with bicycle and pedestrian improvements to connect to North San Jose employment center
SC16	Convert downtown one-way couplets to two-way streets along 10th/11th Streets, Almaden Boulevard/Vine Street and 2nd/3rd Streets
SC17	Implement Bus Rapid Transit (BRT) on Stevens Creek Boulevard from Diridon Station to De Anza College
SC18	Implement Bus Rapid Transit (BRT) on El Camino Real from Diridon Station to Palo Alto
SC19	Implement Downtown East Valley Bus Rapid Transit (BRT) and Light Rail Phases 1 and 3
SC20	Convert Bus Rapid Transit (BRT) to light-rail transit in the Santa Clara-Alum Rock corridor (Downtown East Valley Phase 2)
SC21	Widen westbound Route 237 on-ramp from Route 237 to northbound U.S. 101 to 2 lanes and add auxiliary lane on northbound U.S. 101 from Route 237 on-ramp to Ellis Street interchange (includes Traffic Operation System/TOS elements)
SC22	Extend Mary Avenue north across Route 237 (includes reconfiguring the Mathilda Avenue/U.S. 101 interchange)
SC23	Improve Route 85 northbound to Route 237 eastbound connector ramp
SC24	Improve Route 237 westbound to Route 85 southbound connector ramp (includes widening off-ramp to Route 85 to 2 lanes and adding a southbound auxiliary lane between Route 237 and El Camino Real interchange on Route 85)
SC25	Widen Central Expressway from 4 to 6 lanes between Lawrence Expressway and San Tomas Expressway
SC26	Widen Central Expressway between Lawrence Expressway and Mary Avenue to provide auxiliary lanes
SC27	Widen Zanker Road from 4 to 6 lanes
SC28	Improve Oakland Road from U.S. 101 to Montague Expressway by providing landscaping and operational improvements
SC29	Widen Berryessa Road from U.S. 101 to I-680 to provide access to planned Berryessa BART station
SC30	Construct HOV and auxiliary lanes on U.S. 101 in Mountain View and Palo Alto, from Route 85 to Embarcadero Road
SC31	Implement Bus Rapid Transit (BRT) on Monterey Highway
SC32	Implement Bus Rapid Transit (BRT) between Sunnyvale and Cupertino
SC33	Construct U.S. 101/Mabury Road/Taylor Street interchange
SC34	Extend light-rail transit from Winchester Station to Route 85 (Vasona Junction)
SC35	Improve local circulation on St. John Street and Autumn Street
SC36	Widen Coleman Avenue from 4 to 6 lanes from I-880 to Taylor Street
SC37	Construct a new interchange at U.S. 101 and Montague Expressway

Number	Project/Program
SC38	Improve the operations of the intersection of Montague Expressway and Mission College Boulevard
SC39	Widen Montague Expressway to 8 lanes for HOV lanes between Lick Mill and Trade Zone boulevards and on Guadalupe River Bridge and Penitencia Creek Bridge
Bay Area Region	
R01	Implement Freeway Service Patrol, Call Box and Incident Management Programs (includes incident detection equipment and incident management systems)
R02	Extend Caltrain to Transbay Terminal and replace Transbay Terminal, including the construction of the new Transbay Transit Center Building and rail foundation (Phase 1)
R03	Extend Caltrain to Transbay Terminal and replace Transbay Terminal, including preliminary engineering; environmental; plans, specifications and estimate (PS&E); and right-of-way phases of downtown extension (Phase 2a)
R04	Caltrain — transit operating and capital improvement program (including replacement, rehabilitation and system enhancements for rolling stock, equipment, fixed facilities and other capital assets); station improvements (e.g., platforms) are included
R05	High-Speed Rail: fund infrastructure for ACE, BART, Caltrain, MUNI and VTA
R06	U.S. 101 in Santa Clara County from San Mateo/Santa Clara County line to Cochrane Road — convert HOV lanes to HOT lanes
R07	U.S. 101 in San Mateo County from San Mateo/Santa Clara County line to Whipple Avenue — convert HOV lanes to HOT lanes
R08	U.S. 101 in San Mateo County from Whipple Avenue to Millbrae — widen to add an HOT lane in each direction
R09	Route 85 in Santa Clara County from U.S. 101 in Mountain View to U.S. 101 in South San Jose — convert HOV lanes to HOT lanes
R10	Route 237 in Santa Clara County from I-880 to Mathilda Avenue — convert HOV lanes to HOT lanes
R11	Route 237 in Santa Clara County from Mathilda Avenue to Route 85 — widen to add an HOT lane in each direction
R12	I-280 in Santa Clara County from Magdalena Avenue to Leland Avenue — convert HOV lanes to HOT lanes
R13	I-280 in Santa Clara County from Leland Avenue to U.S. 101 — widen to add an HOT lane in each direction

