

APPENDIX I

Regional Transportation Plan Projects

San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Adequate Maintenance					
94662	Local streets and roads pavement and non-pavement maintenance	\$1,354.6	\$1,354.6		
94093	Metropolitan Transportation System (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$29.0	\$29.0		
22408	Non-Metropolitan Transportation Systems (MTS) streets and roads pavement and non-pavement rehabilitation shortfall	\$178.0		\$178.0	
94656	Devil's Slide bypass	\$280.0	\$280.0		
94664	Caltrain (San Mateo County share) — 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.	\$1,254.7	\$1,076.7	\$178.0	
94666	SamTrans — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements for rolling stock, equipment, fixed facilities and other capital assets; does not include system expansion)	\$3,081.6	\$3,021.6	\$60.0	
21876	BART (San Mateo County share) — transit operating and capital improvement program (including replacement, rehabilitation and minor enhancements, equipment, fixed facilities and other capital assets; does not include expansion except BART-to-SFO extension)	\$1,384.1	\$1,283.8	\$100.3	
21630	Continuation of SamTrans express service	\$3.0	\$3.0		Regional Measure 2 Toll Bridge Program
21867	Local bridge maintenance	\$31.3	\$31.3		
22261	Route 1/San Pedro Creek Bridge replacement project (initial phase)	\$6.2	\$6.2		
94667	SamTrans Americans With Disabilities Act (ADA) services	\$60.0	\$30.0	\$30.0	2004 Measure A sales tax project
System Efficiency					
94100	U.S. 101 auxiliary lanes from Marsh Road to Route 92	\$59.9	\$59.9		1988 Measure A sales tax project; under construction
94644	Route 92 westbound slow vehicle lane between Route 35 and I-280	\$58.0	\$12.5	\$45.5	
98176	U.S. 101 auxiliary lanes from 3rd Avenue to Millbrae and U.S. 101/Peninsula Avenue interchange reconstruction	\$81.7	\$81.7		
21349	U.S. 101/Ralston Avenue interchange improvement	\$14.4	\$14.4		
21602	U.S. 101/Broadway interchange reconstruction	\$56.0	\$56.0		
21603	U.S. 101/Woodside Road interchange improvements	\$50.0	\$50.0		
21606	U.S. 101/ Willow Road interchange reconstruction	\$49.5	\$49.5		
21607	U.S. 101/University Avenue interchange reconstruction	\$4.9	\$4.9		

(Continues on next page)

San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency (continued from previous page)					
21608	U.S. 101 northbound and southbound auxiliary lanes from Marsh Road to Santa Clara County line	\$91.2	\$91.2		
21615	I-280/Route 1 interchange safety improvements	\$54.0	\$54.0		1988 and 2004 Measure A sales tax project
21623	Caltrain local station improvements in San Mateo County	\$67.0	\$67.0		1988 Measure A sales tax project
21624	Transit-Oriented Development Incentives Program	\$30.0	\$30.0		
21626	Caltrain grade separation program (San Mateo County)	\$297.0	\$297.0		1988 and 2004 Measure A sales tax project
22223	U.S. 101/Peninsula Avenue southbound ramps	\$32.0	\$32.0		2004 Measure A sales tax project
22230	I-280 auxiliary lanes from I-380 to Hickey Boulevard	\$100.0	\$100.0		2004 Measure A sales tax project
22262	U.S. 101 and Route 92 ramp metering, Traffic Operations System (TOS) and fiber communications project	\$9.6	\$2.0	\$7.6	
22264	I-280 North and I-380 ramp metering, Traffic Operations System (TOS), fiber communications project	\$9.4	\$2.0	\$7.4	
22265	I-280 South and Route 92 ramp metering, Traffic Operations System (TOS) and fiber communications project	\$6.1	\$2.0	\$4.1	
22274	Intelligent Transportation System (ITS) improvements in San Mateo County	\$20.0	\$20.0		2004 Measure A sales tax project
22424	BART Advanced Automatic Train Control (AATC) Phase V — Daly City to Millbrae/SFO	\$53.0	\$53.0		
22756	U.S. 101/Candlestick interchange reconstruction	\$47.7	\$47.7		
21604	U.S. 101 auxiliary lanes from Sierra Point to San Francisco County line	\$6.0		\$6.0	
21610	U.S. 101 auxiliary lanes from San Bruno Avenue to Grand Avenue	\$26.3		\$26.3	
21893	Route 92 between Half Moon Bay city limits and Pilarcitos Creek alignment and shoulder improvements	\$30.0		\$30.0	
22224	Caltrain and California High-Speed Rail grade separations and station in Atherton	\$66.1		\$66.1	
22229	U.S. 101/Sierra Point Parkway interchange replacement	\$14.0		\$14.0	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency					
22231	Widen north side of John Daly Boulevard/I-280 overcrossing for additional westbound traffic lane and dedicated right-turn lane for southbound I-280 off-ramp	\$9.0		\$9.0	
22232	Construct streetscape improvements on Mission Street from San Pedro Road to John Daly Boulevard	\$12.4		\$12.4	
22751	Route 1 operational and safety improvements in Half Moon Bay area	\$30.0	\$30.0		2004 Measure A sales tax project
Strategic Expansion					
94643	Widen Route 92 between Route 1 and Half Moon Bay city limits	\$13.9	\$13.9		
98204	Construct Route 1 northbound and southbound lanes from Fassler Avenue to Westport Drive in Pacifica	\$15.5	\$15.5		
21605	U.S. 101/Oyster Point Boulevard interchange improvements (Phases 2 and 3)	\$40.0	\$40.0		
22125	Ferry service from South San Francisco to San Francisco	\$30.0	\$30.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22236	Study of Hillsdale Transit Center relocation	\$3.0	\$3.0		
22239	Manor Drive/Route 1 overcrossing widening and improvement project	\$12.0	\$12.0		2004 Measure A sales tax project
22268	Countywide shuttle service programs	\$68.0	\$38.0	\$30.0	2004 Measure A sales tax project
22282	U.S. 101 operational improvements near Route 92	\$10.0	\$10.0		2004 Measure A sales tax project
21609	I-280/I-380 local access improvements from Sneath Lane and San Bruno Avenue to I-380	\$13.5		\$13.5	
21892	Widen Route 84 from 4 lanes to 6 lanes from El Camino Real to Broadway	\$11.0		\$11.0	
22120	Ferry service from Redwood City to San Francisco to Alameda (capital reserve only; full project not included in Financially Constrained Element)	\$23.0	\$23.0		Resolution 3434 Regional Transit Expansion Program; no operating funds identified
22227	Extend Geneva Avenue from Bayshore Boulevard to U.S. 101/Harney ramps from 4 lanes to 6 lanes (includes grade separation with Caltrain tracks and Tunnel Avenue)	\$64.8		\$64.8	Expect 50% of the project to be funded through developer fees
22228	Extend Lagoon Way to connect to U.S. 101, Bayshore Boulevard and Guadalupe Canyon Parkway	\$16.5		\$16.5	Expect 25% of the project to be funded through developer fees
22267	Union Pacific Railroad right-of-way acquisition for transit, bicycle and pedestrian use	\$8.0		\$8.0	
22271	Widen Skyline Boulevard (Route 35) to 4-lane roadway from I-280 to Sneath Lane	\$40.0		\$40.0	

(Continues on next page)

San Mateo County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
22279	U.S. 101/Produce Avenue interchange project	\$77.3		\$77.3	
22615	Dumbarton rail corridor and station improvements	\$30.0	\$30.0		2004 Measure A sales tax project
21612	Improve Dumbarton Bridge access to U.S. 101	\$70.0	\$70.0		2004 Measure A sales tax project
21613	Route 92 improvements from San Mateo-Hayward Bridge to I-280, includes uphill passing lane from U.S. 101 to I-280	\$100.0	\$100.0		2004 Measure A sales tax project
22726	South San Francisco to Alameda ferry service	\$5.0	\$5.0		Resolution 3434 Regional Transit Expansion Program
22226	Caltrain Bayshore intermodal station: cross platform transfers with Third Street LRT and improve bus connections	\$36.8	\$36.8		
22732	Hillsdale Transit Center relocation	\$34.0		\$34.0	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

projects by county

Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Adequate Maintenance					
94540	Carquinez Bridge replacement: construct new suspension bridge west of existing bridges (4 westbound lanes, including a high-occupancy-vehicle (HOV) lane, plus new bicycle/pedestrian pathway) and modify Crockett interchange	\$479.8	\$479.8		Regional Measure 1 Toll Bridge Program; open to traffic; demolition of original bridge remains
94541	New Benicia-Martinez Bridge: construct new bridge span east of existing span (4 mixed-flow lanes and 1 slow-vehicle lane). Includes new toll plaza and upgrades to I-680/I-780 interchange and I-680/Marina Vista Road interchange, and reconstruction of the existing bridge for 4 mixed-flow lanes and bicycle and pedestrian lane.	\$1,057.8	\$1,057.8		Regional Measure 1 & 2 Toll Bridge programs
21012	Golden Gate Bridge seismic retrofit (completes Phases 2 and 3)	\$392.0	\$392.0		Phase 2 is under way
22654	Golden Gate Bridge rehabilitation projects	\$99.4		\$99.4	
98102	South Access to the Golden Gate Bridge: Doyle Drive environmental study	\$16.2	\$16.2		2003 Proposition K sales tax project
94089	Reconstruct South Access to the Golden Gate Bridge: Doyle Drive to Broderick Street	\$446.7	\$446.7		
21013	Rehabilitation of Bay Area state-owned toll bridges	\$238.0	\$238.0		
21014	Richmond-San Rafael Bridge deck replacement	\$53.4	\$53.4		
21015	Seismic retrofit of Bay Area state-owned toll bridges, including San Francisco-Oakland Bay Bridge east span and west span/approach, and Benicia-Martinez, Carquinez and Richmond-San Rafael bridges	\$8,300.0	\$5,085.0	\$3,215.0	
22038	San Francisco-Oakland Bay Bridge toll plaza HOV bypass lanes	\$4.0	\$4.0		
21017	Small transit operators in Alameda, Contra Costa, Napa, Solano and Sonoma counties — transit operating and capital improvement program (including replacement, rehabilitation, and minor enhancements for rolling stock, equipment, fixed facilities other capital assets; does not include system expansion)	\$2,513.8	\$2,497.4	\$16.4	
22636	BART transbay tube earthquake safety (Phase 1)	\$156.0	\$156.0		Regional Measure 2 Toll Bridge Program
22520	BART earthquake safety program (excludes Phase 1 of transbay tube earthquake safety project)	\$1,307.0	\$1,307.0	\$0.0	
System Efficiency					
21001	Freeway Traffic Operations (includes Traffic Operations System/ Transportation Management Center enhancements, Freeway Service Patrol, incident management and technical assistance)	\$466.2	\$109.5	\$356.7	
21005	TransLink®	\$363.8	\$338.1	\$25.7	Initial phase funded in Regional Measure 2 Toll Bridge Program
21006	511/Transit (regional transit information systems) and transportation marketing	\$75.9	\$40.7	\$35.2	Initial phase funded in Regional Measure 2 Toll Bridge Program
21008	511/Traffic	\$142.8	\$121.3	\$21.5	

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.

Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
System Efficiency					
21007	Rideshare Program	\$54.0	\$54.0		
21010	Performance monitoring	\$3.5	\$3.5		
21011	Transportation for Livable Communities (TLC)/Housing Incentive Program (HIP) — regional and county programs	\$454.0	\$454.0		
21320	Golden Gate Bridge moveable median barrier	\$23.8	\$23.8		
21627	Caltrain electrification from San Francisco to Gilroy	\$602.0	\$602.0		Resolution 3434 Regional Transit Expansion Program; cost shown is the three-county combined cost
22241	Regional Measure 2 Studies (includes regional rail study, transit connectivity study, Water Transit Authority environmental studies, I-680/Pleasant Hill BART connector study and Caldecott Tunnel transit ridership study)	\$19.0	\$19.0		Regional Measure 2 Toll Bridge Program
22242	Real-Time Transit Grant Program	\$20.0	\$20.0		Regional Measure 2 Toll Bridge Program
22244	City CarShare	\$2.5	\$2.5		Regional Measure 2 Toll Bridge Program
22245	Safe Routes to Transit	\$20.0	\$20.0		Regional Measure 2 Toll Bridge Program
22247	Regional Bicycle and Pedestrian Program	\$200.0	\$200.0		
22421	Clean Air Program	\$255.5	\$255.5		
22423	Lifeline Transportation Program	\$216.0	\$216.0		
22425	Surface Transportation Program (STP) and 10-year support for Transportation Planning and Land Use Solutions (T-PLUS) planning funds for counties	\$95.0	\$95.0		
22674	BART Core Capacity Program — system capacity	\$205.0	\$19.4	\$185.6	
22675	BART Core Capacity Program — station access	\$762.6	\$32.0	\$730.6	Includes funding from Regional Measure 2 Toll Bridge Program
22676	BART Core Capacity Program — station capacity	\$625.1	\$47.4	\$577.7	
22677	BART Core Capacity Program — vehicles	\$848.0		\$848.0	
22090	California Interregional Intermodal Study (CIRIS) — rail freight service between Port of Oakland and Central Valley	TBD		TBD	
Strategic Expansion					
94514	I-880/Route 92 interchange improvements	\$133.8	\$133.8		Regional Measure 1 Toll Bridge Program
21066	California High-Speed Rail with terminal in San Francisco	TBD		TBD	
21618	Dumbarton rail corridor (Phase 1)	\$300.0	\$300.0		Resolution 3434 Regional Transit Expansion Program; Regional Measure 2 Toll Bridge Program
22719	Dumbarton rail corridor (Phase 2)	\$15.6		\$15.6	

(Continues on next page)

appendix one

Bay Area Region/Multi-County

Reference Number	Project/Program	Total Project Cost	Financially Constrained Element ¹	Vision Element ²	Notes
In millions of 2004 dollars					
Strategic Expansion (continued from previous page)					
21619	Caltrain express tracks (Phase 2)	\$482.0	\$390.0	\$92.0	Resolution 3434 Regional Transit Expansion Program. Grade separation and passing track elements in San Mateo County are fully funded. No increase in service level assumed.
22009	Capitol Corridor: Phase 1 intercity rail service (track capacity/frequency improvements from Oakland to San Jose designed to allow 16 daily round trips between Oakland and Sacramento/San Jose)	\$158.0	\$158.0		Resolution 3434 Regional Transit Expansion Program
22003	Capitol Corridor: Phase 2 enhancements	\$96.0	\$96.0		Resolution 3434 Regional Transit Expansion Program
22006	Downtown Ferry Terminal improvements and spare ferry vessels	\$36.0	\$36.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22243	Regional Measure 2 Express Bus North improvements (includes park-and-ride lots and rolling stock)	\$10.5	\$10.5		Regional Measure 2 Toll Bridge Program
22240	Regional Measure 2 Express Bus South improvements (includes park-and-ride lots, HOV access improvements, and rolling stock)	\$9.0	\$9.0		Regional Measure 2 Toll Bridge Program
22005	ACE service expansion to eight trains	\$128.0	\$50.0	\$78.0	Resolution 3434 Regional Transit Expansion Program
22016	Improvements to high-occupancy-vehicle (HOV) network (including HOV lane gap closures and express bus services); convert HOV network to high-occupancy/toll (HOT) network	\$3,000.0		\$3,000.0	
22001	Sonoma Marin Area Rail Transit District (SMART) commuter rail project (environmental, preliminary engineering and right-of-way)	\$62.0	\$62.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22513	Sonoma Marin Area Rail Transit District (SMART) commuter rail project (construction reserve only; full project not included in Financially Constrained Element)	\$277.0	\$63.0	\$214.0	Resolution 3434 Regional Transit Expansion Program; no operating funds identified
21342	Caltrain downtown extension/Transbay Terminal replacement (environmental, preliminary engineering and right-of-way acquisition)	\$274.0	\$274.0		Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds)
22008	Caltrain downtown extension/TransBay Terminal replacement (construction reserve only; full project not included in Financially Constrained Element)	\$1,543.0	\$946.0	\$597.0	Resolution 3434 Regional Transit Expansion Program (includes Regional Measure 2 Toll Bridge Program funds and 2003 Proposition K sales tax funds); under construction

¹ Financially Constrained Element refers to programmed local, regional, state, federal funds as well as discretionary state and federal funds anticipated to be available over the long term of the Transportation 2030 Plan.

² Vision Element refers to new local, regional, state and federal funds that may become available over the near to mid-term of the Transportation 2030 Plan through voter approval or legislative authorization.