# 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 | | |

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## 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 | |

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[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 | |

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## 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 | |

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# 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 | |

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# 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 | |

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## 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 |

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