



PROJECT PERFORMANCE ASSESSMENT
List of Transportation Projects (Total: 93 projects)

Transformative Projects Public Submissions (Jury Finalists) (12 projects)

| Mode | Row ID | PPA ID | Project Name | Capital Cost (2019\$M) | Annual Op Cost (2019\$M) | Project Source | Included in Plan Bay Area 2040? |
|---|--------|--------|---|------------------------|--------------------------|-----------------|---------------------------------|
| Bay Crossings (10 projects) | 1 | 1002 | New San Francisco-Oakland Transbay Rail Crossing - BART (Crossing 3: Mission St) | \$39,600 | \$260 | Crossings Study | |
| | 2 | 1003 | New San Francisco-Oakland Transbay Rail Crossing - BART (Crossing 4: New Markets) | \$40,900 | \$270 | Crossings Study | |
| | 3 | 1004 | New San Francisco-Oakland Transbay Rail Crossing - Commuter Rail (Crossing 5) | \$45,900 | \$400 | Crossings Study | |
| | 4 | 1006 | San Mateo Bridge Reconstruction and Widening (Crossing 1) | \$13,400 | \$30 | Crossings Study | |
| | 5 | 1005 | Mid-Bay Bridge (I-238 to I-380) (Crossing 2) | \$17,400 | \$40 | Crossings Study | |
| | 6 | 1001 | Southern Crossing Bridge + New San Francisco-Oakland Transbay Rail Crossing - BART (Crossing 6) | \$52,700 | \$310 | Crossings Study | |
| | 7 | 1007 | New San Francisco-Oakland Transbay Rail Crossing - BART + Commuter Rail (Crossing 7) | \$86,800 | \$670 | Crossings Study | |
| | 8 | 2306 | Dumbarton Rail (Redwood City to Union City) | \$3,000 | \$50 | SamTrans + CCAG | |
| | 9 | 6021 | Bus Rapid Transit (BRT) on All Bridges: Dedicated Lanes only | \$100 | \$0 | Jury Finalist | |
| | 10 | 6002 | SMART to Richmond via New Richmond-San Rafael Bridge | \$6,300 | \$10 | Jury Finalist | |
| Bus (Local, Rapid, BRT, and Express Bus) (13 projects) | 11 | 2100 | San Pablo BRT | \$300 | \$0 | AC Transit | ✓ |
| | 12 | 2101 | Geary BRT (Phase 2) | \$200 | \$10 | SF | ✓ |
| | 13 | 2007 | San Francisco Southeast Waterfront Transit Improvements | \$200 | \$20 | SF | |
| | 14 | 2003 | Muni Forward: Capital Improvements + Service Increase | \$500 | \$90 | SF | ✓ |
| | 15 | 2103 | SamTrans El Camino Real BRT: Capital and Service Improvements | \$200 | \$10 | CCAG | |
| | 16 | 2105 | Alameda County E14th St/Mission and Fremont Blvd Multimodal Corridor | \$300 | \$0 | ACTC | |
| | 17 | 2000 | AC Transit Local Network: Service Increase | \$200 | \$90 | AC Transit | ✓ |
| | 18 | 2001 | AC Transit Local Rapid Network: Capital Improvements + Service Increase | \$2,600 | \$100 | AC Transit | |
| | 19 | 2008 | Alameda Point Transit Network Improvements | \$100 | \$20 | ACTC | |
| | 20 | 2005 | Alameda County BRT Network + Connected Vehicle Corridors | \$1,200 | \$90 | ACTC | |
| | 21 | 2002 | AC Transit Transbay Network: Capital Improvements + Service Increase | \$2,400 | \$120 | AC Transit | |
| | 22 | 2004 | Sonoma Countywide Bus: Service Increase | \$300 | \$10 | SCTA | ✓ |
| | 23 | 6020 | Regional Express (ReX) Bus Network + Optimized Express Lane Network | \$19,600 | \$900 | Jury Finalist | |
| BART (9 projects) | 24 | 2201 | BART Core Capacity | \$3,200 | \$60 | BART | ✓ |
| | 25 | 2202 | BART DMU Extension to Brentwood | \$400 | \$10 | CCTA | |
| | 26 | 2203 | BART to Hercules & I-80 Bus from Vallejo to Oakland | \$4,500 | \$20 | CCTA | |
| | 27 | 2204 | BART on I-680 (Walnut Creek to West Dublin/Pleasanton) | \$10,200 | \$40 | Caltrans | |
| | 28 | 2205 | BART to Silicon Valley (Phase 2) | \$5,200 | \$60 | VTA | ✓ |
| | 29 | 2206 | BART Extension from Diridon to Cupertino | \$13,000 | \$80 | VTA | |
| | 30 | 2207 | BART Extension from Diridon to Gilroy (replacing existing Caltrain) | \$16,600 | \$160 | VTA | |
| | 31 | 2208 | BART Gap Closure (Millbrae to Silicon Valley) | \$50,700 | \$60 | VTA | |
| | 32 | 2209 | Irvington BART Infill Station | \$100 | \$0 | ACTC | ✓ |



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|--|--------|--------|---|------------------------|--------------------------|-----------------------------|---------------------------------|
| Conventional Rail (10 projects) | 33 | 2300 | Caltrain Downtown Extension | \$4,900 | \$30 | TJPA | ✓ |
| | 34 | 2301 | Caltrain Full Electrification and Blended System: Base Growth | \$22,600 | \$190 | Caltrain + HSR | |
| | 35 | 2302 | Caltrain Full Electrification and Blended System: Moderate Growth | \$25,900 | \$250 | Caltrain + HSR | |
| | 36 | 2303 | Caltrain Full Electrification and Blended System: High Growth | \$30,600 | \$330 | VTA, City of San Jose | |
| | 37 | 2304 | SMART Extension to Cloverdale | \$400 | \$10 | SMART | |
| | 38 | 2305 | SMART to Solano (Novato to Suisun City, without sea level rise protections) | \$1,200 | \$10 | SMART | |
| | 39 | 2307 | ACE Service Expansion and Capital Improvements (to San Joaquin Valley) | \$9,400 | \$50 | ACE Rail | |
| | 40 | 2308 | Valley Link (Dublin to San Joaquin Valley) | \$2,200 | \$30 | Valley Link | |
| | 41 | 2309 | Altamont Corridor Vision Phase 1 (to San Joaquin Valley) | \$3,500 | \$40 | ACE Rail | |
| | 42 | 2310 | Megaregional Rail Network + Resilience Project (Caltrain, ACE, Valley Link, Dumbarton, Cap Cor) | \$55,900 | \$560 | City of San Jose | |
| Light Rail Transit (LRT) (10 projects) | 43 | 2407 | Muni Metro Southwest M-Line Subway | \$4,100 | \$100 | SFCTA | |
| | 44 | 2408 | Muni Metro T-Third Extension to South San Francisco | \$1,200 | \$20 | City of South San Francisco | |
| | 45 | 2400 | Downtown San Jose LRT Subway | \$2,400 | \$0 | VTA | |
| | 46 | 2401 | North San Jose LRT Subway | \$5,800 | \$0 | VTA | |
| | 47 | 2402 | San Jose Airport People Mover | \$1,200 | \$10 | VTA | |
| | 48 | 2403 | Vasona LRT Extension (Phase 2) | \$200 | \$0 | VTA | ✓ |
| | 49 | 2412 | SR-85 LRT (Mountain View to US101 interchange) | \$2,900 | \$20 | City of Cupertino | |
| | 50 | 2409 | VTA LRT Systemwide Grade Separation | \$14,200 | \$10 | VTA | |
| | 51 | 2410 | VTA LRT Systemwide Grade Separation and Full Automation | \$17,300 | \$10 | City of San Jose | |
| | 52 | 2411 | VTA LRT Systemwide Grade Separation, Network Expansion, and Full Automation | \$49,600 | \$100 | City of San Jose and VTA | |
| Ferry (3 projects) | 53 | 2600 | WETA Ferry Service Frequency Increase | \$0 | \$10 | WETA | ✓ |
| | 54 | 2602 | WETA Ferry Service: Berkeley - San Francisco | \$100 | \$10 | WETA | ✓ |
| | 55 | 2603 | WETA Ferry Service: Redwood City - San Francisco - Oakland | \$100 | \$10 | WETA | ✓ |
| Transit Pricing (2 projects) | 56 | 6100 | Integrated Transit Fare System | \$200 | \$0 | Jury Finalist | |
| | 57 | 6101 | Free Transit for All | \$100 | \$0 | Jury Finalist | |
| Active Transport (4 projects) | 58 | 2700 | Bay Bridge West Span Bike Path | \$500 | \$0 | MTC/ABAG | |
| | 59 | 6004 | Bay Trail Completion (not evaluated) | - | - | Jury Finalist | |
| | 60 | 6005 | Regional Bicycle Superhighway Network (not evaluated) | - | - | Jury Finalist | |
| | 61 | 6006 | Enhanced Regionwide Bike Infrastructure | \$8,300 | \$40 | MTC/ABAG | |
| Road Pricing (7 projects) | 62 | 3000 | Regional Express Lanes (MTC + VTA + ACTC + US-101) | \$6,100 | \$170 | MTC/ABAG | ✓ |
| | 63 | 3001 | Treasure Island Congestion Pricing | \$100 | \$20 | SF | ✓ |
| | 64 | 3002 | Downtown San Francisco Congestion Pricing | \$100 | \$20 | SF | ✓ |
| | 65 | 3003 | San Francisco Arterial HOV and Freeway HOT Lanes | \$800 | \$10 | SF | |
| | 66 | 6102 | HOV Lane Network with per-mile fee for SOVs | \$2,000 | \$190 | Jury Finalist | |
| | 67 | 6103 | Demand-Based Tolling on All Highways with Means-Based Tolls | \$2,000 | \$190 | Jury Finalist | |
| | 68 | 6105 | Timing Regulation of Freight Delivery (not evaluated) | - | - | Jury Finalist | |



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|----------------------------|--------|--------|---|------------------------|--------------------------|-----------------------------|---------------------------------|
| Highway (12 projects) | 69 | 3100 | SR-239 Widening (Brentwood to Tracy including Airport Connector) | \$2,100 | \$0 | CCTA | |
| | 70 | 3101 | I-680/SR-4 Interchange Improvements (Direct/HOV Connectors, Ramp Widening, Auxiliary Lanes) | \$300 | \$0 | CCTA | ✓ |
| | 71 | 3102 | SR-4 Operational Improvements | \$400 | \$0 | CCTA | ✓ |
| | 72 | 3103 | SR-4 Widening (Brentwood to Discovery Bay) | \$300 | \$0 | CCTA | |
| | 73 | 3104 | I-80/I-680/SR-12 Interchange + Widening (Phases 2B-7) | \$500 | \$0 | STA | ✓ |
| | 74 | 3105 | SR-12 Widening (I-80 to Rio Vista) | \$1,800 | \$0 | STA | |
| | 75 | 3106 | SR-152 Realignment and Tolling | \$1,200 | \$0 | VTA | |
| | 76 | 3109 | SR-262 Widening and Interchange Improvements | \$1,100 | \$0 | ACTC | |
| | 77 | 3110 | Union City-Fremont East-West Connector | \$300 | \$0 | ACTC | |
| | 78 | 6003 | I-80 Corridor Overhaul with Per-Mile Tolling | \$5,600 | \$20 | Jury Finalist | |
| | 79 | 6104 | Reversible Lanes on Top 10 Congested Bridges and Freeways | \$1,600 | \$10 | Jury Finalist | |
| | 80 | 5000 | Bay Area Forward (Phase 1: Freeway Ramp and Arterial Components Only) | \$300 | \$0 | MTC/ABAG | ✓ |
| New Modes (6 projects) | 81 | 4000 | Oakland/Alameda Gondola Network | \$700 | \$10 | City of Oakland | |
| | 82 | 4001 | Mountain View AV Network (Free Fare, Subsidies from Companies) | \$1,400 | \$10 | City of Mountain View | |
| | 83 | 4002 | Contra Costa Autonomous Shuttle Program | \$1,400 | \$40 | CCTA | |
| | 84 | 5003 | I-680 Corridor Improvements (BRT, Express Bus, Shared AVs, Gondolas) | \$1,400 | \$100 | CCTA | |
| | 85 | 4003 | Cupertino-Mountain View-San Jose Elevated Maglev Rail Loop | \$7,900 | \$20 | City of Cupertino | |
| | 86 | 4004 | Regional Hovercraft Network | \$900 | \$90 | CCAG | |
| Resilience (7 projects) | 87 | 3200 | SR-37 Long Term Project (Tolling, Elevation, Interchanges, Widening, Express Bus) | \$4,800 | \$10 | MTC/ABAG/North Bay Counties | |
| | 88 | 7001 | VTA LRT Resilience Project (Tasman West) | \$100 | \$1 | MTC/ABAG/BCDC | |
| | 89 | 7002 | I-580/US-101/SMART Marin Resilience Project | \$200 | \$1 | MTC/ABAG/BCDC | |
| | 90 | 7003 | US-101 Peninsula Resilience Project (San Antonio Rd, Poplar Ave, Millbrae Ave) | \$100 | \$1 | MTC/ABAG/BCDC | |
| | 91 | 7004 | SR-84 Resilience Project (Dumbarton Bridge, 101 Interchange) | \$200 | \$1 | MTC/ABAG/BCDC | |
| | 92 | 7005 | SR-237 Resilience Project (Alviso) | \$100 | \$1 | MTC/ABAG/BCDC | |
| | 93 | 7006 | I-880 Resilience Project (South Fremont) | \$40 | \$1 | MTC/ABAG/BCDC | |

PROJECT PERFORMANCE ASSESSMENT

List of Under Construction / Committed Projects included in Baseline (NOT EXHAUSTIVE)
(exempt from Project Performance Assessment)

| Mode | Project Name | Included in Plan Bay Area 2040? |
|---|--|---------------------------------|
| Bus (Local, Rapid, BRT, and Express Bus) | Muni Forward-Committed Phases: Capital Improvements + Service Increase | ✓ |
| | AC Transit Local: Service Increase, i.e. "AC Go" | ✓ |
| | VTA Transit Local: Service Increase, i.e. "VTA Next Network" | ✓ |
| | AC Transit BRT: International Boulevard | ✓ |
| | SFMTA BRT: Geary Boulevard, Phase 1 | ✓ |
| BART | BART Fleet Modernization, i.e. "Fleet of the Future" | ✓ |
| | BART Extension to Berryessa | ✓ |
| Conventional Rail | Caltrain Modernization, i.e. "CalMod" | ✓ |
| | SMART Extension to Larkspur | ✓ |
| | SMART Extension to Windsor | ✓ |
| | Novato SMART Infill Station | ✓ |
| Light Rail Transit (LRT) | Muni Central Subway | ✓ |
| | VTA LRT Eastridge Extension | ✓ |
| Ferry | WETA Network Expansion (Richmond) | ✓ |
| Road Pricing | Express Lanes: I-580, I-680, I-880, US-101, SR-85, SR-237 | ✓ |
| | I-680/SR-4 Interchange + Widening (Phases 1 & 2) | ✓ |
| | I-80/I-680/SR-12 Interchange (Phases 1 & 2a) | ✓ |
| Highway | SR-4 Widening (Pittsburg to Antioch) | ✓ |
| | Adaptive Ramp Metering: I-80, I-880, US-101 | ✓ |