

PROJECT PERFORMANCE ASSESSMENT
List of Transportation Projects (Total: 97 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 (11 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	6022	Bus Rapid Transit (BRT) on All Bridges: Dedicated Lanes + Service/Capacity Improvements	\$1,200	\$30	Jury Finalist - Alternate Version	
	11	6002	SMART to Richmond via New Richmond-San Rafael Bridge	\$6,300	\$10	Jury Finalist	
Bus (Local, Rapid, BRT, and Express Bus) (13 projects)	12	2100	San Pablo BRT	\$300	\$0	AC Transit	✓
	13	2101	Geary BRT (Phase 2)	\$200	\$10	SF	✓
	14	2007	San Francisco Southeast Waterfront Transit Improvements	\$200	\$20	SF	
	15	2003	Muni Forward: Capital Improvements + Service Increase	\$500	\$90	SF	✓
	16	2103	SamTrans El Camino Real BRT: Capital and Service Improvements	\$200	\$10	CCAG	
	17	2105	Alameda County E14th St/Mission and Fremont Blvd Multimodal Corridor	\$300	\$0	ACTC	
	18	2000	AC Transit Local Network: Service Increase	\$200	\$90	AC Transit	✓
	19	2001	AC Transit Local Rapid Network: Capital Improvements + Service Increase	\$2,600	\$100	AC Transit	
	20	2008	Alameda Point Transit Network Improvements	\$100	\$20	ACTC	
	21	2005	Alameda County BRT Network + Connected Vehicle Corridors	\$1,200	\$90	ACTC	
	22	2002	AC Transit Transbay Network: Capital Improvements + Service Increase	\$2,400	\$120	AC Transit	
	23	2004	Sonoma Countywide Bus: Service Increase	\$300	\$10	SCTA	✓
	24	6020	Regional Express (ReX) Bus Network + Optimized Express Lane Network	\$19,600	\$900	Jury Finalist	
BART (9 projects)	25	2201	BART Core Capacity	\$3,200	\$60	BART	✓
	26	2202	BART DMU Extension to Brentwood	\$400	\$10	CCTA	
	27	2203	BART to Hercules & I-80 Bus from Vallejo to Oakland	\$4,500	\$20	CCTA	
	28	2204	BART on I-680 (Walnut Creek to West Dublin/Pleasanton)	\$10,200	\$40	Caltrans	
	29	2205	BART to Silicon Valley (Phase 2)	\$5,200	\$60	VTA	✓
	30	2206	BART Extension from Diridon to Cupertino	\$13,000	\$80	VTA	
	31	2207	BART Extension from Diridon to Gilroy (replacing existing Caltrain)	\$16,600	\$160	VTA	
	32	2208	BART Gap Closure (Millbrae to Silicon Valley)	\$50,700	\$60	VTA	
	33	2209	Irvington BART Infill Station	\$100	\$0	ACTC	✓

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Conventional Rail (10 projects)	34	2300	Caltrain Downtown Extension	\$4,900	\$30	TJPA	✓
	35	2301	Caltrain Full Electrification and Blended System: Base Growth	\$22,600	\$190	Caltrain + HSR	
	36	2302	Caltrain Full Electrification and Blended System: Moderate Growth	\$25,900	\$250	Caltrain + HSR	
	37	2303	Caltrain Full Electrification and Blended System: High Growth	\$30,600	\$330	VTA, City of San Jose	
	38	2304	SMART Extension to Cloverdale	\$400	\$10	SMART	
	39	2305	SMART to Solano (Novato to Suisun City, without sea level rise protections)	\$1,200	\$10	SMART	
	40	2307	ACE Service Expansion and Capital Improvements (to San Joaquin Valley)	\$9,400	\$50	ACE Rail	
	41	2308	Valley Link (Dublin to San Joaquin Valley)	\$2,200	\$30	Valley Link	
	42	2309	Altamont Corridor Vision Phase 1 (to San Joaquin Valley)	\$3,500	\$40	ACE Rail	
	43	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)	44	2407	Muni Metro Southwest M-Line Subway	\$4,100	\$100	SFCTA	
	45	2408	Muni Metro T-Third Extension to South San Francisco	\$1,200	\$20	City of South San Francisco	
	46	2400	Downtown San Jose LRT Subway	\$2,400	\$0	VTA	
	47	2401	North San Jose LRT Subway	\$5,800	\$0	VTA	
	48	2402	San Jose Airport People Mover	\$1,200	\$10	VTA	
	49	2403	Vasona LRT Extension (Phase 2)	\$200	\$0	VTA	✓
	50	2412	SR-85 LRT (Mountain View to US101 interchange)	\$2,900	\$20	City of Cupertino	
	51	2409	VTA LRT Systemwide Grade Separation	\$14,200	\$10	VTA	
	52	2410	VTA LRT Systemwide Grade Separation and Full Automation	\$17,300	\$10	City of San Jose	
53	2411	VTA LRT Systemwide Grade Separation, Network Expansion, and Full Automation	\$49,600	\$100	City of San Jose and VTA		
Ferry (3 projects)	54	2600	WETA Ferry Service Frequency Increase	\$0	\$10	WETA	✓
	55	2602	WETA Ferry Service: Berkeley - San Francisco	\$100	\$10	WETA	✓
	56	2603	WETA Ferry Service: Redwood City - San Francisco - Oakland	\$100	\$10	WETA	✓
Transit Pricing (5 projects)	57	6100	Integrated Transit Fare System	\$200	\$2	Jury Finalist	
	58	6111	Integrated Transit Fare System (with Transit Capacity Expansion)	\$200	\$2	Jury Finalist - Alternate Version	
	59	6112	Integrated Transit Fare System and Seamless Transfers (with Transit Capacity Expansion)	\$400	\$2	Jury Finalist - Alternate Version	
	60	6101	Free Transit for All	\$100	\$2	Jury Finalist	
	61	6106	Free Transit for Low-Income Households	\$100	\$2	Jury Finalist - Alternate Version	
Active Transport (4 projects)	62	2700	Bay Bridge West Span Bike Path	\$500	\$0	MTC/ABAG	
	63	6004	Bay Trail Completion (not evaluated)	-	-	Jury Finalist	
	64	6005	Regional Bicycle Superhighway Network (not evaluated)	-	-	Jury Finalist	
	65	6006	Enhanced Regionwide Bike Infrastructure	\$8,300	\$40	MTC/ABAG	

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Road Pricing (7 projects)	66	3000	Regional Express Lanes (MTC + VTA + ACTC + US-101)	\$6,100	\$170	MTC/ABAG	✓
	67	3001	Downtown San Francisco Congestion Pricing	\$100	\$20	SF	✓
	68	3002	Treasure Island Congestion Pricing	\$100	\$20	SF	✓
	69	3003	San Francisco Arterial HOV and Freeway HOT Lanes	\$800	\$10	SF	
	70	6102	HOV Lane Network with per-mile fee for SOVs	\$2,000	\$190	Jury Finalist	
	71	6103	Demand-Based Tolling on All Highways with Means-Based Tolls	\$2,000	\$190	Jury Finalist	
	72	6105	Timing Regulation of Freight Delivery (not evaluated)	-	-	Jury Finalist	
Highway (12 projects)	73	3100	SR-239 Widening (Brentwood to Tracy including Airport Connector)	\$2,100	\$0	CCTA	
	74	3101	I-680/SR-4 Interchange Improvements (Direct/HOV Connectors, Ramp Widening, Auxiliary Lanes)	\$300	\$0	CCTA	✓
	75	3102	SR-4 Operational Improvements	\$400	\$0	CCTA	✓
	76	3103	SR-4 Widening (Brentwood to Discovery Bay)	\$300	\$0	CCTA	
	77	3104	I-80/I-680/SR-12 Interchange + Widening (Phases 2B-7)	\$500	\$0	STA	✓
	78	3105	SR-12 Widening (I-80 to Rio Vista)	\$1,800	\$0	STA	
	79	3106	SR-152 Realignment and Tolling	\$1,200	\$0	VTA	
	80	3109	SR-262 Widening and Interchange Improvements	\$1,100	\$0	ACTC	
	81	3110	Union City-Fremont East-West Connector	\$300	\$0	ACTC	
	82	6003	I-80 Corridor Overhaul with Per-Mile Tolling	\$5,600	\$20	Jury Finalist	
	83	6104	Reversible Lanes on Top 10 Congested Bridges and Freeways	\$1,600	\$10	Jury Finalist	
	84	5000	Bay Area Forward (Phase 1: Freeway Ramp and Arterial Components Only)	\$300	\$0	MTC/ABAG	✓
New Modes (6 projects)	85	4000	Oakland/Alameda Gondola Network	\$700	\$10	City of Oakland	
	86	4001	Mountain View AV Network (Free Fare, Subsidies from Companies)	\$1,400	\$10	City of Mountain View	
	87	4002	Contra Costa Autonomous Shuttle Program	\$1,400	\$40	CCTA	
	88	5003	I-680 Corridor Improvements (BRT, Express Bus, Shared AVs, Gondolas)	\$1,400	\$100	CCTA	
	89	4003	Cupertino-Mountain View-San Jose Elevated Maglev Rail Loop	\$7,900	\$20	City of Cupertino	
	90	4004	Regional Hovercraft Network	\$900	\$90	CCAG	
Resilience (7 projects)	91	3200	SR-37 Long Term Project (Tolling, Elevation, Interchanges, Widening, Express Bus)	\$4,800	\$10	MTC/ABAG/North Bay Counties	
	92	7001	VTA LRT Resilience Project (Tasman West)	\$100	\$1	MTC/ABAG/BCDC	
	93	7002	I-580/US-101/SMART Marin Resilience Project	\$200	\$1	MTC/ABAG/BCDC	
	94	7003	US-101 Peninsula Resilience Project (San Antonio Rd, Poplar Ave, Millbrae Ave)	\$100	\$1	MTC/ABAG/BCDC	
	95	7004	SR-84 Resilience Project (Dumbarton Bridge, 101 Interchange)	\$200	\$1	MTC/ABAG/BCDC	
	96	7005	SR-237 Resilience Project (Alviso)	\$100	\$1	MTC/ABAG/BCDC	
	97	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	✓