



TO: MTC Commission and the
ABAG Executive Board

DATE: November 16, 2016

FR: ABAG Deputy Executive Director and
MTC Executive Director

RE: Plan Bay Area 2040 Final Preferred Scenario Transportation Project List Update

Background

At the November 4 meeting of the Joint MTC Planning Committee and ABAG Administrative Committee, staff provided a general overview of the transportation measures on the November 8 ballot. Based on the election results and in close coordination with the San Francisco County Transportation Authority, the Contra Costa Transportation Authority, and BART, staff has adjusted the Plan Bay Area 2040 revenue and project list accordingly.

Summary of Changes

As noted in the memo sent last week, the new revenue total for the Plan 2040 is \$303 billion, down from the earlier estimate of \$310 billion. The revisions include the following:

- Reduction in revenue of \$3.3 billion with the removal of the Contra Costa sales tax measure;
- Reduction in revenue of \$3.9 billion with the removal of the charter amendment for the City and County of San Francisco; and
- Increase in revenue of \$350 million with the inclusion of the City of Oakland's infrastructure bond.

The Contra Costa and San Francisco measures were largely programmatic, meaning the funds were assigned to project categories – such as streets and road rehabilitation and minor transit improvements – in the previous transportation investment strategy list. After removing revenues from these two sources, the City and County of San Francisco County retained all of their projects but with reduced scopes and lower project costs. Contra Costa County reduced the scope of several projects and removed projects that had previously been on their “vision” list. The projects that were removed include modifications to the ramps at the SR-24/Brookwood Road interchange and environmental/design funding for the proposed eBART extension to Brentwood.

Staff has also worked with BART to update the funding plan for BART's Transbay Core Capacity project as it had relied on a contribution from Contra Costa and San Francisco's sales tax measures. The Transbay Core Capacity project would fund expansion vehicles, train control modernization, traction power, and expansion of the Hayward maintenance facility. This exercise led to a technical correction in BART's transit capital funding amount and updates to county contributions as well as regional and BART contributions to the BART Transbay Core Capacity project. The net result being that we are able to keep the project in the Preferred Scenario.

In terms of the maintenance funding for transit capital and local streets and roads, the remaining need for transit capital has been reduced from \$16 billion to \$15 billion. After removing the funding from the two county measures, the remaining need for local streets and roads has increased from \$12 billion to \$14 billion.

Attached are updates to Attachments C1 through C9 from the November 4 investment strategy materials to reflect the election result revisions.

As a reminder, if either county returns to the voters and passes a measure in the future, we will be able to amend or update the plan and include the projects and revenues accordingly.



Brad Paul

Steve Heminger

Attachments

SH:kv

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Plan Bay Area 2040 Expenditure Plan - Total Plan Revenue (\$303 billion)

- **REVISED**

(in Millions of \$YOE, sorted by regional discretionary funding)

Investment Strategy	Amount in the RTP	Local/Committed	Nov. 2016 Measures	Regional Discretionary
Operate and Maintain				
Transit Capital Preservation	\$32,435	\$7,704	\$3,300	\$21,431
Transit Operations	\$119,830	\$103,779		\$16,051
Local Streets Preservation and Operations	\$35,298	\$25,768	\$1,750	\$7,780
Cost Contingency and Debt Service	\$5,100	\$3,000		\$2,100
Highway and Bridge Preservation	\$30,331	\$30,081		\$250
Modernize				
Transit Efficiency and Service Improvements	\$20,638	\$8,943	\$2,327	\$9,368
Goods Movement	\$5,273	\$2,335	\$0	\$2,938
Highway Operations and Interchanges	\$6,478	\$3,464	\$895	\$2,119
Multimodal and Bike Ped	\$5,152	\$3,257	\$300	\$1,595
Regional and County Access Initiatives	\$1,885	\$652	\$44	\$1,189
Planning, Local Road Operations, and Safety Improvements	\$3,486	\$1,893	\$815	\$778
Climate	\$794	\$141	\$0	\$653
Express Lanes (Conversions) and Pricing	\$6,364	\$6,026	\$0	\$338
Expand				
Transit Expansion	\$20,468	\$12,777	\$1,500	\$6,191
Express Lanes (Expand) and Roadway Expansion	\$9,951	\$7,777	\$886	\$1,288
Total	\$303,484	\$217,597	\$11,817	\$74,069

Notes:

Amount in the RTP does not include project costs and funding that occurred before the Plan period (e.g. before FY 2016-17)

Local/committed fund sources are any locally generated transportation funding source, like county sales tax, vehicle registration fees, and impact fees. This category also includes future extensions of county sales tax measure and anticipated state regional transportation improvement program (RTIP) funds per county.

November 2016 measures include the measures that passed on November 8, 2016: sales tax measure for Santa Clara County, BART's bond measure, AC Transit's parcel tax measure, and the City of Oakland's infrastructure bond.

Regional discretionary fund sources include future STP/CMAQ, Cap and Trade, New/Small Starts, future bridge tolls, a regional gas tax, and anticipated/unspecified funding

Plan Bay Area 2040 Expenditure Plan – Regional Discretionary Funding (\$74 billion) - REVISED

(in Millions of \$YOE, sorted by regional discretionary funding)

Investment Strategy	Federal			State				Regional	Other		Total
	STP-CMAQ	New/ Small Starts	Other Federal¹	Cap and Trade	HSR	ATP/ ITIP	STA-Pop	Future Reg. Measures²	Cond. Discr.³	Anticipated	
Operate and Maintain											
Transit Capital Preservation	\$1,590							\$980	\$13,974	\$4,887	\$21,431
Transit Operations				\$100			\$695		\$15,256		\$16,051
Local Streets Preservation and Operations	\$840							\$3,940		\$3,000	\$7,780
Cost Contingency and Debt Service	\$550							\$1,100		\$450	\$2,100
Highway and Bridge Preservation								\$250			\$250
Modernize											
Transit Efficiency and Service Improvements	\$458	\$1,860		\$2,425	\$213		\$460	\$1,100	\$684	\$2,169	\$9,368
Goods Movement			\$2,059	\$500				\$380			\$2,938
Highway Operations and Interchanges	\$133		\$210			\$241		\$496		\$1,038	\$2,119
Multimodal and Bike Ped	\$90			\$644		\$593		\$231	\$37		\$1,595
Regional and County Access Initiatives	\$50			\$131			\$585		\$423		\$1,189
Planning, Local Road Operations, and Safety Improvements	\$371									\$407	\$778
Climate	\$332			\$321							\$653
Express Lanes (Conversions) and Pricing	\$50					\$204		\$84			\$338
Expand											
Transit Expansion	\$10	\$3,140		\$750	\$557			\$378	\$130	\$1,226	\$6,191
Express Lanes (Expand) and Roadway Expansion	\$219		\$31			\$138		\$75		\$825	\$1,288
Total	\$4,693	\$5,000	\$2,300	\$4,870	\$770	\$1,177	\$1,740	\$9,013	\$30,504	\$14,003	\$74,069

Notes

1) Other Federal includes FAST; Cap and Trade includes TIRCP, LCTOP-Pop, AHSC, Goods Movement

2) Future regional measures include potential increases to bridge tolls and a regional gas tax.

3) Conditioned Discretionary and Existing Bridge Tolls includes FTA Formula Funds, TDA, AB1107, AB664, 2% Bridge Toll, and 5% State General Fund

Needs Assessment - Transit Operations Funding Detail - REVISED

(in millions of \$YOE)

The following table presents the amount of funding required to sustain existing service levels (year 2015) for every year in the plan period (e.g. through 2040) by transit operator. Note that in this plan period, the total need is equal to the revenue available to fund existing transit service levels. Projects that increase service levels above year 2015 conditions are funded in specific projects in the plan and are not included in this table.

Transit Operator	Service Levels (in revenue vehicle hours)	Total Need	Committed Investment	Discretionary Investment	Total Investment
ACE	1,117,485	\$1,300	\$1,221	\$79	\$1,300
AC Transit	40,513,851	\$13,416	\$10,046	\$3,370	\$13,416
BART	49,139,746	\$30,691	\$30,677	\$14	\$30,691
Caltrain	5,286,000	\$5,484	\$5,484	\$0	\$5,484
CCCTA	7,125,552	\$1,332	\$582	\$750	\$1,332
City of Dixon	186,291	\$39	\$3	\$35	\$38
ECCTA	5,307,150	\$786	\$203	\$583	\$786
City of Fairfield	2,287,392	\$355	\$125	\$230	\$355
GGBHTD	6,908,679	\$3,915	\$3,549	\$366	\$3,915
LAVTA	3,366,264	\$522	\$176	\$346	\$522
Marin Transit	6,059,722	\$972	\$677	\$295	\$972
NCTPA	2,647,608	\$310	\$56	\$254	\$310
City of Petaluma	710,836	\$82	\$23	\$59	\$82
City of Rio Vista	96,000	\$15	\$2	\$13	\$15
SFMTA	91,585,085	\$35,199	\$32,074	\$3,125	\$35,199
SamTrans	16,272,000	\$5,377	\$3,957	\$1,420	\$5,377
SMART	245,316	\$713	\$713	\$0	\$713
City of Santa Rosa	2,481,912	\$536	\$141	\$395	\$536
Solano County Transit	2,623,440	\$455	\$185	\$270	\$455
Sonoma County Transit	3,069,116	\$496	\$77	\$419	\$496
Union City Transit	2,211,407	\$211	\$68	\$144	\$211
City of Vacaville	1,120,654	\$166	\$13	\$153	\$166
VTA	49,893,621	\$15,734	\$12,251	\$3,483	\$15,734
WCCTA	2,578,325	\$312	\$161	\$151	\$312
WETA	404,701	\$1,413	\$1,315	\$98	\$1,413
TOTAL	303,238,153	\$119,830	\$103,779	\$16,051	\$119,830

Needs Assessment - Transit Capital Funding Detail - REVISED

(in millions of \$YOE)

The following table presents the expenditure plan for transit capital preservation in Plan Bay Area 2040 by transit operator. With the proposed investments, several transit operators would exceed the funding required to maintain current asset condition levels. Only two operators would be able to fund replacements and maintenance at a rate large enough to achieve optimum asset condition. The region would carry a \$15 billion state of good repair backlog.

Transit Operator	Total Transit Capital Need	Amount Funded in the Expenditure Plan			Remaining Need/Surplus
	State of Good Repair	Committed Investment	November 2016 Ballot Measures	Discretionary Investment ⁵	State of Good Repair
AC Transit	\$2,934	\$306	\$600	\$968	(\$1,059)
ACE	\$291	\$1		\$178	(\$111)
BART ³	\$18,121	\$2,014	\$2,700	\$8,466	(\$4,940)
CalTrain ⁴	\$3,634	\$1,472		\$1,470	(\$693)
CCCTA County Connection	\$263	\$25		\$238	\$0
Delta Breeze	\$9	\$0		\$4	(\$5)
Dixon	\$8	\$2		\$5	(\$1)
ECCTA Tri Delta Transit	\$134	\$51		\$83	(\$0)
FAST	\$95	\$57		\$7	(\$30)
GGBHTD	\$990	\$84		\$382	(\$525)
LAVTA	\$183	\$10		\$109	(\$64)
Marin Transit	\$147	\$0		\$66	(\$81)
NCTPA	\$82	\$0		\$61	(\$21)
Petaluma Transit	\$32	\$18		\$14	(\$0)
SamTrans	\$1,208	\$1		\$451	(\$756)
Santa Rosa CityBus	\$72	\$2		\$22	(\$48)
SCT	\$197	\$24		\$104	(\$69)
SFMTA	\$12,664	\$1,536		\$5,736	(\$5,392)
SMART	\$629	\$569		\$60	\$0
SolTrans	\$240	\$1		\$139	(\$99)
Union City Transit	\$32	\$0		\$19	(\$13)
Vacaville City Coach	\$54	\$0		\$22	(\$32)
VTa	\$3,495	\$1,455		\$1,907	(\$133)
WestCAT	\$92	\$1		\$34	(\$57)
WETA	\$1,442	\$73		\$823	(\$546)

Transit Operator	Total Transit Capital Need	Amount Funded in the Expenditure Plan			Remaining Need/Surplus
	State of Good Repair	Committed Investment	November 2016 Ballot Measures	Discretionary Investment ⁵	State of Good Repair
Grand Total	\$47,050	\$7,704	\$3,300	\$21,369	(\$14,676)
Total = \$32,373 million					

Notes:

- 1) There is approximately \$60 million in transit capital revenues that could not be assigned to a specific operator, but are projected to be available for transit capital maintenance in the region.
- 2) Revenue from San Francisco's Transportation Sustainability Fee, Proposition B, and sales tax reauthorization is assumed to be distributed to BART, Caltrain, and SFMTA according to current Prop K proportions.
- 3) \$900 million in capital replacement needs for BART train control was transferred to "Transit Efficiency and Service Improvements" within the Modernize investment category of Attachment C.1.
- 4) \$315 million in capital replacement needs for Caltrain vehicles was transferred to "Transit Efficiency and Service Improvements" category of Attachment C.1.
- 5) Discretionary funding has been distributed by a combination of formula and remaining need.

Needs Assessment - Local Streets and Roads Funding Detail - REVISED

(in Millions of \$YOE)

The following table presents the expenditure plan for local streets and roads (LS&R) operations and maintenance in Plan Bay Area 2040 by county. With the proposed investments, the remaining need to achieve optimum pavement condition is almost \$14 billion.

County	Total LS&R Need	Amount Funded in the Expenditure Plan			Remaining Need/Surplus
	To State of Good Repair	Committed Investment	November 2016 Ballot Measures	Discretionary Investment*	To State of Good Repair
Alameda	\$8,649	\$4,683	\$350	\$1,546	(\$2,070)
Contra Costa	\$6,116	\$3,338		\$1,133	(\$1,646)
Marin	\$1,722	\$831		\$221	(\$670)
Napa	\$1,473	\$969		\$168	(\$335)
San Francisco	\$7,903	\$5,988		\$966	(\$949)
San Mateo	\$3,935	\$2,012		\$657	(\$1,266)
Santa Clara	\$11,320	\$5,492	\$1,400	\$2,097	(\$2,332)
Solano	\$2,963	\$782		\$429	(\$1,752)
Sonoma	\$4,846	\$1,672		\$564	(\$2,610)
REGION TOTAL	\$48,926	\$25,768	\$1,750	\$7,780	(\$13,628)
Total = \$35,298 million					

* Regional discretionary funds distributed by OBAG 2 formula

Goods Movement Projects in Plan Bay Area 2040

The projects in the plan related to goods movement support the recommendations of the Regional Goods Movement Plan, which was adopted in March of 2016. The Regional Goods Movement Plan recommended improvements for the Port of Oakland, strategic highway operations benefiting truck corridors and programs for reducing the impact of freight activity on adjacent neighborhoods.

In the materials presented to the MTC Planning and ABAG Administrative Committees in September 2016, approximately \$5 billion of project funded was classified as “goods movement.” Of that amount, about \$2 billion of funding would come from future local funding and previously committed funding amounts. Almost \$3 billion would come from regional discretionary funding, which is primarily federal and state sources. The following table presents goods movement categories and a funding breakdown between local/committed funding and regional discretionary funding. The highest amount of regional discretionary funding is assumed to go toward projects that improve operations within and around the Port of Oakland, ITS projects on the freight highway network, interchange reconstructions, and a future program on increasing the proliferation of zero and near-zero emission trucks as well as other neighborhood impact reduction initiatives.

Goods Movement Investment Strategy, sorted by Regional Discretionary Funding (all values in millions of \$YOE) - REVISED

Goods Movement Investment	Amount in the RTP*	Local/Committed Funding	Nov. 2016 Measure	Regional Discretionary Funding
Global Competitiveness in Goods Movement Suite of projects to improve operations and increase rail access at the Port of Oakland such as 7th Street Grade Separation, Outer Harbor Intermodal Terminal, and Oakland Army Base transportation components	\$1,177	\$52		\$1,125
Smart Deliveries and Operations Future program for deploying communications infrastructure to increase active traffic management along freight corridors and to/from the Port of Oakland	\$300			\$300
Modernizing Infrastructure Set of highway projects and interchange improvements along freight corridors such as along I-880, I-80, US-101, I-580, I-680, and SR-4.	\$3,191	\$2,028		\$1,163
Sustainable Goods Movement Future program for implementing the recommendations of the Freight Emission Reduction Action Plan and developing programs for impact reduction in neighborhoods with high levels of freight activity.	\$350			\$350
Other Freight and Rail Program and projects for minor freight improvements and rail operations on track operated by public operators.	\$255	\$255		
Grand Total	\$5,273	\$2,335		\$2,938

* Amount in the RTP does not include project costs and funding that occurred before the Plan period (e.g. before FY 2016-17)

Core Capacity Projects in Plan Bay Area 2040

The projects in the plan related to increasing capacity in the core of the region are linked to on-going planning on the Core Capacity Transit Study (CCTS), a multi-agency study to identify and prioritize major transit investments serving the San Francisco Core. The CCTS is a collaboration of five transit operators (SFMTA, BART, AC Transit, WETA, and Caltrain), the Metropolitan Transportation Commission, and the San Francisco County Transportation Authority. Although not yet complete, initial planning work has informed the project list in terms of near-term and medium-term priorities. As a placeholder for other short, mid and long term projects currently under consideration in CCTS, the Plan also includes reserve funding for further implementation of recommendations developed after Plan Bay Area 2040 is adopted. Additionally, there is on-going work on increasing transit capacity to connect housing and jobs within Santa Clara County.

The following table presents the investment strategy for core capacity projects, organized by corridor. There is also a placeholder for planning and design work for recommendations that may come out of the study and that may be in any of the corridors. The Core Capacity investment strategy includes projects that are a subset of several investment categories in the expenditure plan of Attachment C.1, namely Transit Efficiency and Transit Expansion.

Core Capacity Investment Strategy (all values in millions of \$YOE) - REVISED

Core Capacity Investment	Amount in the RTP*	Local/ Committed Funding	Nov. 2016 Measure	Regional Discretionary Funding
Transbay Corridor Investments include BART service increases, WETA ferry service increases, new ferry terminals at Berkeley, Mission Bay, and Alameda Point, AC Transit service increases and Bay Bridge operational projects.	\$5,477	\$1,469	\$600	\$3,408
Peninsula Corridor Investments include the Transbay Transit Center, extending Caltrain to the Transbay Transit Center, electrifying Caltrain, and station improvements in the Peninsula	\$7,282	\$2,387	\$572	\$4,323
Within San Francisco Investments include Muni service increases, bus rapid transit on Van Ness Avenue and Geary Boulevard, Muni Forward, and other operational improvements for SFMTA.	\$2,743	\$1,574		\$1,169
Planning for future capacity improvements Placeholder for future planning and design work for additional capacity increasing projects identified through the Core Capacity Transit Study and other planning work.	\$465	\$50		\$415
Core Connectivity in Santa Clara County Investments include extending BART to San Jose, increasing VTA core bus routes, El Camino Real BRT, extending light rail to Eastridge Transit Center and Winchester, as well as a reserve for future transit improvements in the SR-85 corridor and to the San Jose International Airport.	\$8,181	\$3,448	\$2,408	\$2,325
Grand Total	\$24,148	\$8,928	\$3,580	\$11,640

* Amount in the RTP does not include project costs and funding that occurred before the Plan period (e.g. before FY 2016-17)

Climate Program in Plan Bay Area 2040

Plan Bay Area 2040 transportation investments and land-use development patterns alone will not be sufficient to reach the region's statutory greenhouse gas (GHG) emissions reduction targets. It is anticipated that approximately 11 percentage points of the Plan's 2035 target will be achieved through climate strategies that are part of MTC's Climate Initiatives Program, such as transportation demand management programs, alternative fuel/vehicle strategies and car sharing. These types of climate strategies are referred to as "off-model" because the region's travel demand and land use models that factor in the region's future transportation investments and land-use development patterns are not sensitive to these types of initiatives. The plan includes \$526 million of funding for the regional Climate Initiatives Program, as well as another \$56 million for incentivizing higher levels of carpooling, and \$212 million for county-sponsored initiatives.

The types of projects and programs that would be funded through implementation of this category include:

- 1 Various transportation demand management (TDM) strategies, car sharing, vanpool incentives, alternative fuel/vehicle initiatives, targeted transportation alternatives, trip caps and existing commuter benefits ordinances.
- 2 Regional carpool incentives such as private sector ride-matching applications that target utilization of express lane corridors as well as first/last mile solutions to transit.
- 3 Various county-sponsored climate programs such as additional transportation demand management strategies and promotion of emission reduction technology.

Climate Initiative Program Funding in Plan Bay Area 2040 (all values in millions of \$YOE) - REVISED

Climate Initiative	Amount in the RTP*	Local/Committed Funding	Regional Discretionary Funding
1. Regional Climate Initiatives Program	\$526	\$36	\$490
2. Regional Carpool Program	\$56	\$8	\$48
3. County-Sponsored Climate Programs in Alameda, San Francisco, Solano, and Marin counties	\$212	\$97	\$115
Grand Total	\$794	\$141	\$653

* Amount in the RTP does not include project costs and funding that occurred before the Plan period (e.g. before FY 2016-17)

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-01-0001	Alameda	Bicycle and Pedestrian Program	Modernize	Multimodal and Bike Ped	\$658	\$79	\$360		\$219
17-01-0002	Alameda	Climate Program: TDM and Emission Reduction Technology	Modernize	Climate	\$150	\$55	\$10		\$85
17-01-0003	Alameda	County Safety, Security and Other	Modernize	Planning, Local Road Operations, and Safety Improvements	\$732	\$23	\$618		\$91
17-01-0004	Alameda	Multimodal Streetscape	Modernize	Multimodal and Bike Ped	\$461	\$71	\$300		\$90
17-01-0005	Alameda	PDA Planning	Modernize	Planning, Local Road Operations, and Safety Improvements	\$61	\$6	\$50		\$5
17-01-0006	Alameda	Minor Roadway Expansions	Expand	Express Lanes (Expand) and Roadway Expansion	\$203		\$175		\$28
17-01-0007	Alameda	Roadway Operations	Modernize	Planning, Local Road Operations, and Safety Improvements	\$203	\$66	\$110		\$27
17-01-0008	Alameda	Minor Transit Improvements	Modernize	Transit Efficiency and Service Improvements	\$962	\$135	\$772		\$55
17-01-0009	Alameda	New Alameda Point Ferry Terminal	Modernize	Transit Efficiency and Service Improvements	\$177		\$177		
17-01-0014	Alameda	I-680 Southbound Express Lanes (SR-237 to SR-84) Upgrades	Modernize	Express Lanes (Conversions) and Pricing	\$39		\$21		\$18
17-01-0015	Alameda	7th Street Grade Separation East	Modernize	Goods Movement	\$558	\$3			\$555
17-01-0016	Alameda	Oakland Army Base transportation infrastructure improvements	Modernize	Goods Movement	\$314	\$213	\$26		\$75
17-01-0017	Alameda	Outer Harbor Intermodal Terminal (OHIT) Phases 2 and 3	Modernize	Goods Movement	\$205		\$26		\$179
17-01-0018	Alameda	7th Street Grade Separation West	Modernize	Goods Movement	\$171	\$3			\$168
17-01-0019	Alameda	I-580 Integrated Corridor Mobility (ICM)	Modernize	Goods Movement	\$146				\$146
17-01-0020	Alameda	SR-262 Mission Boulevard Cross Connector Improvements	Modernize	Goods Movement	\$112		\$111		\$1
17-01-0021	Alameda	I-880 Whipple Road Interchange Improvements	Modernize	Goods Movement	\$80		\$77		\$3
17-01-0022	Alameda	Outer Harbor Turning Basin	Modernize	Goods Movement	\$65				\$65
17-01-0023	Alameda	I-880 Industrial Parkway Interchange Reconstruction	Modernize	Goods Movement	\$57		\$55		\$2
17-01-0024	Alameda	I-880 A Street Interchange Reconstruction	Modernize	Goods Movement	\$54		\$52		\$2
17-01-0025	Alameda	Oakland International Airport Perimeter Dike	Modernize	Goods Movement	\$53	\$3	\$0		\$50
17-01-0026	Alameda	Minor Freight Improvements Programmatic	Modernize	Goods Movement	\$51	\$2	\$49		
17-01-0027	Alameda	Middle Harbor Road Improvements	Modernize	Goods Movement	\$33				\$33
17-01-0028	Alameda	I-580/I-680 Interchange Improvement Project	Modernize	Goods Movement	\$300		\$300		
17-01-0029	Alameda	SR-84/I-680 Interchange Improvements and SR-84 Widening	Modernize	Goods Movement	\$278	\$5	\$121		\$152
17-01-0030	Alameda	I-880 Broadway/Jackson Interchange Improvements	Modernize	Goods Movement	\$244	\$2	\$242		
17-01-0031	Alameda	I-880 at 23rd/29th Avenue Interchange Improvements	Modernize	Goods Movement	\$111	\$67	\$44		
17-01-0032	Alameda	SR-84 Widening (Ruby Hill Drive to Concannon Boulevard)	Modernize	Highway Operational and Interchanges	\$88	\$59	\$29		
17-01-0033	Alameda	I-580 Vasco Road Interchange Improvements	Modernize	Goods Movement	\$81		\$76		\$5

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-01-0034	Alameda	I-580 Greenville Road Interchange Improvements	Modernize	Goods Movement	\$68		\$64		\$4
17-01-0035	Alameda	I-580 First Street Interchange Improvements	Modernize	Goods Movement	\$62		\$59		\$3
17-01-0036	Alameda	SR-92/Clawiter Road/Whitesell Street Interchange Improvements	Modernize	Goods Movement	\$62		\$53		\$9
17-01-0037	Alameda	Ashby I-80 Interchange with Bicycle and Pedestrian Ramps	Modernize	Highway Operational and Interchanges	\$60		\$59		\$1
17-01-0038	Alameda	I-580 Interchange Improvement at Hacienda/Fallon Road - Phase 2	Modernize	Goods Movement	\$58		\$49		\$9
17-01-0039	Alameda	I-580 SR-84/Isabel Interchange Improvements Phase 2	Modernize	Goods Movement	\$43		\$40		\$3
17-01-0040	Alameda	I-80 Gilman Street Interchange Improvements	Modernize	Goods Movement	\$42	\$2	\$37		\$3
17-01-0041	Alameda	I-880 Winton Avenue Interchange Improvements	Modernize	Goods Movement	\$41		\$35		\$6
17-01-0042	Alameda	I-680 Overcrossing Widening and Improvements (at Stoneridge Drive)	Modernize	Highway Operational and Interchanges	\$19		\$16		\$3
17-01-0043	Alameda	42nd Ave & High St Access Improvement at I-880 On/Off Ramp	Modernize	Goods Movement	\$18	\$8	\$9		\$1
17-01-0044	Alameda	I-680 Sunol Interchange Modification	Modernize	Highway Operational and Interchanges	\$18		\$15		\$3
17-01-0045	Alameda	Santa Rita Road I-580 Overcrossing Widening	Modernize	Highway Operational and Interchanges	\$10		\$9		\$1
17-01-0046	Alameda	Coliseum City Transit Hub	Modernize	Multimodal and Bike Ped	\$181	\$9	\$133		\$39
17-01-0047	Alameda	I-880 to Mission Boulevard East-West Connector	Expand	Express Lanes (Expand) and Roadway Expansion	\$236	\$41	\$195		
17-01-0048	Alameda	Dublin Boulevard - North Canyons Parkway Extension	Expand	Express Lanes (Expand) and Roadway Expansion	\$89		\$76		\$13
17-01-0049	Alameda	Fruitvale Avenue (Miller Sweeney) Lifeline Bridge Project	Expand	Express Lanes (Expand) and Roadway Expansion	\$86		\$73		\$13
17-01-0050	Alameda	SR-84 Mowry Avenue Widening (Peralta Blvd to Mission Blvd)	Expand	Express Lanes (Expand) and Roadway Expansion	\$51		\$43		\$8
17-01-0051	Alameda	Tassajara Road Widening from N. Dublin Ranch Drive to City Limit	Expand	Express Lanes (Expand) and Roadway Expansion	\$48		\$41		\$7
17-01-0052	Alameda	Auto Mall Parkway Widening and Improvements	Expand	Express Lanes (Expand) and Roadway Expansion	\$30		\$26		\$4
17-01-0053	Alameda	Dougherty Road Widening	Expand	Express Lanes (Expand) and Roadway Expansion	\$23	\$4	\$17		\$2
17-01-0054	Alameda	Union City Boulevard Widening (Whipple to City Limit)	Expand	Express Lanes (Expand) and Roadway Expansion	\$17		\$15		\$2
17-01-0055	Alameda	SR-84 Peralta Boulevard Widening (Fremont Blvd to Mowry Ave)	Expand	Express Lanes (Expand) and Roadway Expansion	\$15		\$13		\$2
17-01-0056	Alameda	Thornton Avenue Widening (Gateway Boulevard to Hickory Street)	Expand	Express Lanes (Expand) and Roadway Expansion	\$15		\$13		\$2
17-01-0057	Alameda	Dublin Boulevard Widening - Sierra Court to Dublin Court	Expand	Express Lanes (Expand) and Roadway Expansion	\$6	\$1	\$5		
17-01-0058	Alameda	Irvington BART Station	Modernize	Transit Efficiency and Service Improvements	\$256		\$153		\$103

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-01-0059	Alameda	Union City Intermodal Station Phase 4	Modernize	Transit Efficiency and Service Improvements	\$78		\$66		\$12
17-01-0060	Alameda	East Bay BRT	Modernize	Transit Efficiency and Service Improvements	\$180	\$178	\$2		
17-01-0061	Alameda	Ralph Appenzato Memorial Parkway BRT	Modernize	Transit Efficiency and Service Improvements	\$10		\$8		\$2
17-01-0062	Alameda	BART to Livermore/ACE Project Development and Construction Reserve	Expand	Transit Expansion	\$553	\$7	\$435		\$111
17-01-0063	Alameda	Broadway Shuttle Expansion	Expand	Transit Expansion	\$37		\$29		\$8
17-01-0064	Alameda	Additional Local Road Preservation/Rehab	Operate and Maintain	Local Streets Preservation and Operations	\$350			\$350	
17-02-0001	Contra Costa	Access and Mobility Program	Modernize	Regional and County Access Initiatives	\$258		\$258		
17-02-0002	Contra Costa	Innovative Transportation Technology	Modernize	Highway Operational and Interchanges	\$53		\$53		
17-02-0003	Contra Costa	Bicycle and Pedestrian Program	Modernize	Multimodal and Bike Ped	\$162		\$123		\$39
17-02-0004	Contra Costa	County Safety, Security and Other	Modernize	Planning, Local Road Operations, and Safety Improvements	\$108		\$104		\$4
17-02-0005	Contra Costa	Multimodal Streetscape	Modernize	Multimodal and Bike Ped	\$342	\$1	\$318		\$23
17-02-0007	Contra Costa	Minor Roadway Expansions	Expand	Express Lanes (Expand) and Roadway Expansion	\$527	\$4	\$523		
17-02-0008	Contra Costa	Roadway Operations	Modernize	Planning, Local Road Operations, and Safety Improvements	\$44		\$44		
17-02-0009	Contra Costa	Minor Transit Improvements	Modernize	Transit Efficiency and Service Improvements	\$409	\$4	\$351		\$54
17-02-0010	Contra Costa	SR4 Integrated Corridor Mobility	Modernize	Goods Movement	\$15				\$15
17-02-0011	Contra Costa	I-80 ICM Project Operations and Maintenance	Modernize	Highway Operational and Interchanges	\$3		\$3		
17-02-0012	Contra Costa	I-680 Northbound Managed Lane Completion through 680/24 and Operational Improvements between N. Main and Treat Blvd	Expand	Express Lanes (Expand) and Roadway Expansion	\$99		\$85		\$14
17-02-0013	Contra Costa	I-680 Northbound HOV lane extension between N. Main and SR-242	Expand	Express Lanes (Expand) and Roadway Expansion	\$54				\$54
17-02-0014	Contra Costa	Kirker Pass Road Northbound Truck Climbing Lane, Clearbrook Drive to Crest of Kirker Pass Road	Modernize	Goods Movement	\$19		\$19		
17-02-0015	Contra Costa	Vasco Road Byron Highway Connector Road (Formerly named: SR-239: Airport Connector)	Expand	Express Lanes (Expand) and Roadway Expansion	\$40				\$40
17-02-0016	Contra Costa	Construct SR 242/Clayton Road on and off-ramps	Expand	Express Lanes (Expand) and Roadway Expansion	\$66		\$5		\$61
17-02-0017	Contra Costa	SR-239 Feasibility Studies and Project Development	Expand	Express Lanes (Expand) and Roadway Expansion	\$42		\$42		
17-02-0019	Contra Costa	I-680/SR4 Interchange Improvements - Phases 1-3	Modernize	Highway Operational and Interchanges	\$292		\$159		\$133
17-02-0020	Contra Costa	SR-4 Operational Improvements - Initial Phases	Modernize	Goods Movement	\$144		\$5		\$139
17-02-0021	Contra Costa	Reconstruct I-80/San Pablo Dam Road Interchange	Modernize	Highway Operational and Interchanges	\$120		\$56		\$64

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-02-0022	Contra Costa	I-680 Southbound HOV Lane between N. Main and Livorna	Modernize	Highway Operational and Interchanges	\$83		\$83		
17-02-0023	Contra Costa	State Route 4 Widening and Balfour Road IC Construction	Modernize	Highway Operational and Interchanges	\$69		\$69		
17-02-0024	Contra Costa	I-80/SR-4 Interchange Improvements - New Eastbound Willow Avenue Ramps	Modernize	Highway Operational and Interchanges	\$25				\$25
17-02-0026	Contra Costa	I-80/Central Avenue Interchange Modification - Phases 1 & 2	Modernize	Highway Operational and Interchanges	\$26		\$20		\$6
17-02-0027	Contra Costa	Construct Additional Auxiliary Lanes on I-680 - South of I-680/SR-24 Interchange	Modernize	Highway Operational and Interchanges	\$20		\$10		\$10
17-02-0028	Contra Costa	I-80 Eastbound and Westbound Pinole Valley Road On-ramp Improvement	Modernize	Highway Operational and Interchanges	\$10		\$10		
17-02-0029	Contra Costa	Eastbound SR-24: Construct Auxiliary Lane, Wilder Road to Camino Pablo	Modernize	Highway Operational and Interchanges	\$7				\$7
17-02-0030	Contra Costa	Widen Brentwood Boulevard - Havenwood Way to north city limit; and Chestnut to Fir	Expand	Express Lanes (Expand) and Roadway Expansion	\$34		\$34		
17-02-0031	Contra Costa	Widen Willow Pass Road, Lynwood Drive to SR 4	Expand	Express Lanes (Expand) and Roadway Expansion	\$20		\$20		
17-02-0032	Contra Costa	Widen Ygnacio Valley Road-Kirker Pass Road, Cowell to Michigan	Expand	Express Lanes (Expand) and Roadway Expansion	\$20		\$20		
17-02-0033	Contra Costa	Widen Camino Tassajara Road, Windemere to County Line	Expand	Express Lanes (Expand) and Roadway Expansion	\$17		\$17		
17-02-0034	Contra Costa	West Leland Road Extension	Expand	Express Lanes (Expand) and Roadway Expansion	\$16		\$16		
17-02-0035	Contra Costa	Lone Tree Way Widening	Expand	Express Lanes (Expand) and Roadway Expansion	\$16		\$16		
17-02-0036	Contra Costa	Pittsburg-Antioch Highway Widening	Expand	Express Lanes (Expand) and Roadway Expansion	\$15		\$15		
17-02-0037	Contra Costa	Widen Main St, SR 160 to Big Break Rd	Expand	Express Lanes (Expand) and Roadway Expansion	\$13		\$13		
17-02-0038	Contra Costa	Main Street Bypass	Expand	Express Lanes (Expand) and Roadway Expansion	\$4		\$4		
17-02-0039	Contra Costa	Hercules Train Station - All Phases	Modernize	Transit Efficiency and Service Improvements	\$97		\$15		\$82
17-02-0040	Contra Costa	Martinez Intermodal Project: Phase 3	Modernize	Transit Efficiency and Service Improvements	\$7				\$7
17-02-0041	Contra Costa	Privately Run Ferry Service including Small-Scale (non-WETA complying) Landside Improvements from Antioch, Martinez, and Hercules to San Francisco	Modernize	Transit Efficiency and Service Improvements	\$45				\$45
17-02-0042	Contra Costa	Richmond-San Francisco Ferry Service	Modernize	Transit Efficiency and Service Improvements	\$53		\$53		
17-02-0043	Contra Costa	BART Capacity, Access and Parking Improvements	Modernize	Transit Efficiency and Service Improvements	\$27		\$27		
17-02-0044	Contra Costa	Landside Improvements for Richmond Ferry Service	Modernize	Transit Efficiency and Service Improvements	\$25				\$25
17-02-0045	Contra Costa	El Cerrito del Norte BART Station Modernization, Phase 1	Modernize	Transit Efficiency and Service Improvements	\$22		\$22		

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-02-0046	Contra Costa	Civic Center Railroad Platform Park & Ride Complex	Modernize	Transit Efficiency and Service Improvements	\$8		\$8		
17-02-0047	Contra Costa	East County Rail Extension (eBART), Phase 1	Expand	Transit Expansion	\$525	\$525			
17-02-0049	Contra Costa	West County High Capacity Transit Investment Study Implementation - Phase 1	Expand	Transit Expansion	\$15				\$15
17-02-0050	Contra Costa	Brentwood Intermodal Transit Center	Modernize	Transit Efficiency and Service Improvements	\$12				\$12
17-02-0051	Contra Costa	I-580 Transit Improvements including Express Bus Service, ITS components, and Park & Ride Lots	Modernize	Transit Efficiency and Service Improvements	\$80				\$80
17-02-0052	Contra Costa	Widen San Ramon Valley Boulevard from 2 to 4 lane - Jewel Terrace to Podva Road	Expand	Express Lanes (Expand) and Roadway Expansion	\$1		\$1		
17-03-0001	Marin	Bicycle and Pedestrian Program	Modernize	Multimodal and Bike Ped	\$30		\$9		\$21
17-03-0002	Marin	Climate Program: TDM and Emission Reduction Technology	Modernize	Climate	\$1				\$1
17-03-0003	Marin	County Safety, Security and Other	Modernize	Planning, Local Road Operations, and Safety Improvements	\$4				\$4
17-03-0004	Marin	Roadway Operations	Modernize	Planning, Local Road Operations, and Safety Improvements	\$20				\$20
17-03-0005	Marin	Minor Transit Improvements	Modernize	Transit Efficiency and Service Improvements	\$42		\$6		\$36
17-03-0006	Marin	Implement Marin Sonoma Narrows HOV Lane and corridor improvements Phase 2 (Marin County)	Expand	Express Lanes (Expand) and Roadway Expansion	\$136		\$111		\$25
17-03-0007	Marin	US 101/580 Interchange Direct Connector - PAED	Modernize	Highway Operational and Interchanges	\$15				\$15
17-03-0008	Marin	Tiburon East Blithedale Interchange - PAED	Modernize	Highway Operational and Interchanges	\$12				\$12
17-03-0009	Marin	Access Improvements to Richmond San Rafael Bridge	Modernize	Highway Operational and Interchanges	\$7				\$7
17-03-0010	Marin	Highway Improvement Studies	Modernize	Highway Operational and Interchanges	\$5				\$5
17-03-0011	Marin	Widen Novato Boulevard between Diablo Avenue and Grant Avenue	Expand	Express Lanes (Expand) and Roadway Expansion	\$17		\$13		\$4
17-03-0012	Marin	Sir Francis Drake Boulevard/Red Hill Avenue/Center Boulevard (known as "The Hub") - project development	Expand	Express Lanes (Expand) and Roadway Expansion	\$6				\$6
17-03-0013	Marin	San Rafael Transit Center (SRTC) Relocation Project	Modernize	Transit Efficiency and Service Improvements	\$36				\$36
17-03-0014	Marin	Larkspur Ferry Terminal Parking Garage - Planning Study	Modernize	Transit Efficiency and Service Improvements	\$1				\$1
17-03-0015	Marin	SMART Downtown San Rafael to Larkspur Rail Extension	Expand	Transit Expansion	\$42	\$2	\$40		
17-03-0016	Marin	Multimodal Streetscape	Modernize	Multimodal and Bike Ped	\$49				\$49
17-04-0001	Napa	Bicycle and Pedestrian Program	Modernize	Multimodal and Bike Ped	\$98		\$35		\$63
17-04-0002	Napa	County Safety, Security and Other	Modernize	Planning, Local Road Operations, and Safety Improvements	\$7				\$7

Transportation Project List

values in millions of YOY \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-04-0003	Napa	Multimodal Streetscape	Modernize	Multimodal and Bike Ped	\$4		\$1		\$3
17-04-0004	Napa	Minor Roadway Expansions	Expand	Express Lanes (Expand) and Roadway Expansion	\$51		\$10		\$41
17-04-0005	Napa	Roadway Operations	Modernize	Planning, Local Road Operations, and Safety Improvements	\$30	\$0	\$23		\$7
17-04-0006	Napa	Minor Transit Improvements	Modernize	Transit Efficiency and Service Improvements	\$246		\$156		\$90
17-04-0007	Napa	Countywide Intelligent Transportation Systems Program	Modernize	Highway Operational and Interchanges	\$9				\$9
17-04-0008	Napa	State Route 29 Improvements	Modernize	Highway Operational and Interchanges	\$35		\$35		
17-04-0009	Napa	Soscol Junction	Expand	Express Lanes (Expand) and Roadway Expansion	\$61		\$5		\$56
17-04-0010	Napa	SR29 Gateway	Expand	Express Lanes (Expand) and Roadway Expansion	\$32		\$12		\$20
17-05-0001	San Francisco	Bicycle and Pedestrian Program	Modernize	Multimodal and Bike Ped	\$644	\$16	\$598		\$30
17-05-0002	San Francisco	Climate Program; TDM and Emission Reduction Technology	Modernize	Climate	\$93		\$83		\$10
17-05-0003	San Francisco	County Safety, Security and Other	Modernize	Planning, Local Road Operations, and Safety Improvements	\$318		\$290		\$28
17-05-0004	San Francisco	Multimodal Streetscape	Modernize	Multimodal and Bike Ped	\$293		\$279		\$14
17-05-0005	San Francisco	PDA Planning	Modernize	Planning, Local Road Operations, and Safety Improvements	\$51	\$2	\$47		\$2
17-05-0007	San Francisco	Transit Preservation/Rehabilitation	Operate and Maintain	Transit Capital Preservation	\$1,871		\$1,871		
17-05-0008	San Francisco	Minor Roadway Expansions	Expand	Express Lanes (Expand) and Roadway Expansion	\$906	\$43	\$863		
17-05-0009	San Francisco	Roadway Operations	Modernize	Planning, Local Road Operations, and Safety Improvements	\$137		\$137		
17-05-0010	San Francisco	Minor Transit Improvements	Modernize	Transit Efficiency and Service Improvements	\$224	\$110	\$114		
17-05-0011	San Francisco	San Francisco Late Night Transportation Improvements	Modernize	Regional and County Access Initiatives	\$52		\$10		\$42
17-05-0012	San Francisco	SFGo Integrated Transportation Management System	Modernize	Highway Operational and Interchanges	\$89	\$48	\$17		\$24
17-05-0013	San Francisco	Expand SFMTA Transit Fleet	Modernize	Transit Efficiency and Service Improvements	\$1,295		\$814		\$481
17-05-0014	San Francisco	Muni Forward (Transit Effectiveness Project)	Modernize	Transit Efficiency and Service Improvements	\$612	\$208	\$159		\$245
17-05-0015	San Francisco	Rail Capacity Long Term Planning and Conceptual Design - All	Modernize	Transit Efficiency and Service Improvements	\$130		\$30		\$100
17-05-0016	San Francisco	Better Market Street - Transportation Elements	Modernize	Transit Efficiency and Service Improvements	\$415	\$0	\$215		\$200
17-05-0017	San Francisco	Core Capacity Implementation - Planning and Conceptual Engineering	Modernize	Transit Efficiency and Service Improvements	\$335		\$20		\$315
17-05-0018	San Francisco	Downtown San Francisco Ferry Terminal Expansion - Phase II	Modernize	Transit Efficiency and Service Improvements	\$43				\$43

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-05-0019	San Francisco	Establish new ferry terminal at Mission Bay 16th Street	Modernize	Transit Efficiency and Service Improvements	\$17				\$17
17-05-0020	San Francisco	HOV/HOT Lanes on U.S. 101 and I-280 in San Francisco	Modernize	Express Lanes (Conversions) and Pricing	\$43		\$22		\$21
17-05-0021	San Francisco	Geary Boulevard Bus Rapid Transit	Modernize	Transit Efficiency and Service Improvements	\$300	\$0	\$57		\$243
17-05-0022	San Francisco	Presidio Parkway	Modernize	Highway Operational and Interchanges	\$1,595	\$859	\$736		
17-05-0023	San Francisco	Yerba Buena Island (YBI) I-80 Interchange Improvement	Modernize	Highway Operational and Interchanges	\$169	\$105	\$64		
17-05-0024	San Francisco	Balboa Park Station Area - Southbound I-280 Off-Ramp Realignment at Ocean Avenue	Modernize	Highway Operational and Interchanges	\$11	\$1			\$10
17-05-0025	San Francisco	Balboa Park Station Area - Closure of Northbound I-280 On-Ramp from Geneva Avenue	Modernize	Highway Operational and Interchanges	\$6				\$6
17-05-0026	San Francisco	Bayshore Station Multimodal Planning and Design	Modernize	Multimodal and Bike Ped	\$13		\$13		
17-05-0027	San Francisco	Hunters Point Shipyard and Candlestick Point Local Roads Phase 1	Expand	Express Lanes (Expand) and Roadway Expansion	\$501	\$14	\$487		
17-05-0028	San Francisco	Southeast San Francisco Caltrain Station - Environmental	Modernize	Transit Efficiency and Service Improvements	\$11	\$1	\$10		
17-05-0029	San Francisco	Downtown Value Pricing/Incentives - Pilot, Transit Service, Supportive Infrastructure	Modernize	Express Lanes (Conversions) and Pricing	\$876		\$826		\$50
17-05-0030	San Francisco	Treasure Island Mobility Management Program: Intermodal Terminal, Congestion Toll, Transit Service, Transit Capital	Modernize	Express Lanes (Conversions) and Pricing	\$974		\$925		\$49
17-05-0031	San Francisco	Southeast Waterfront Transportation Improvements - Phase 1	Modernize	Transit Efficiency and Service Improvements	\$406		\$406		
17-05-0032	San Francisco	Geneva-Harney Bus Rapid Transit	Modernize	Transit Efficiency and Service Improvements	\$256		\$156		\$100
17-05-0033	San Francisco	Van Ness Avenue Bus Rapid Transit	Modernize	Transit Efficiency and Service Improvements	\$215		\$215		
17-05-0034	San Francisco	Arena Transit Capacity Improvements	Modernize	Transit Efficiency and Service Improvements	\$137		\$137		
17-05-0035	San Francisco	EN Trips: All Components	Modernize	Transit Efficiency and Service Improvements	\$122		\$101		\$21
17-05-0036	San Francisco	Regional/Local Express Bus to Support Express Lanes in SF	Modernize	Transit Efficiency and Service Improvements	\$82		\$56		\$26
17-05-0037	San Francisco	Parkmerced Transportation Improvements	Modernize	Transit Efficiency and Service Improvements	\$76		\$76		
17-05-0039	San Francisco	Geneva Light Rail Phase I: Operational Improvements, Planning and Environmental	Modernize	Transit Efficiency and Service Improvements	\$18		\$18		
17-05-0040	San Francisco	T-Third Mission Bay Loop	Modernize	Transit Efficiency and Service Improvements	\$7	\$7			
17-05-0041	San Francisco	T-Third Phase II: Central Subway	Expand	Transit Expansion	\$1,578	\$1,578			
17-05-0042	San Francisco	Historic Streetcar Extension - Fort Mason to 4th & King	Expand	Transit Expansion	\$87		\$4		\$83
17-06-0001	San Mateo	Bicycle and Pedestrian Program	Modernize	Multimodal and Bike Ped	\$247	\$21	\$138		\$88

Plan Bay Area 2040
Transportation Project List
values in millions of YOY \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-06-0002	San Mateo	County Safety, Security and Other	Modernize	Planning, Local Road Operations, and Safety Improvements	\$41	\$1	\$28		\$12
17-06-0003	San Mateo	Multimodal Streetscape	Modernize	Multimodal and Bike Ped	\$289	\$14	\$197		\$78
17-06-0004	San Mateo	Minor Roadway Expansions	Expand	Express Lanes (Expand) and Roadway Expansion	\$58	\$1	\$46		\$11
17-06-0005	San Mateo	Roadway Operations	Modernize	Planning, Local Road Operations, and Safety Improvements	\$64		\$43		\$21
17-06-0006	San Mateo	County-wide Intelligent Transportation System (ITS) and Traffic Operation System Improvements	Modernize	Highway Operational and Interchanges	\$93		\$80		\$13
17-06-0007	San Mateo	Modify existing lanes on U.S. 101 to accommodate HOV/T lane	Expand	Express Lanes (Expand) and Roadway Expansion	\$365	\$15	\$250		\$100
17-06-0008	San Mateo	Add northbound and southbound modified auxiliary lanes and/ or implementation of HOT lanes on U.S. 101 from Oyster Point to San Francisco County line	Expand	Express Lanes (Expand) and Roadway Expansion	\$222	\$5	\$172		\$45
17-06-0009	San Mateo	Improve operations at U.S. 101 near Route 92 - Phased	Modernize	Goods Movement	\$258	\$2	\$250		\$6
17-06-0010	San Mateo	Improve U.S. 101/Woodside Road interchange	Modernize	Goods Movement	\$171	\$7	\$98		\$66
17-06-0011	San Mateo	US 101 Produce Avenue Interchange	Modernize	Goods Movement	\$146	\$10	\$100		\$36
17-06-0012	San Mateo	U.S. 101 Interchange at Peninsula Avenue	Modernize	Highway Operational and Interchanges	\$89	\$9	\$65		\$15
17-06-0013	San Mateo	Reconstruct U.S. 101/Broadway interchange	Modernize	Highway Operational and Interchanges	\$83	\$83			
17-06-0014	San Mateo	Reconstruct U.S. 101/Willow Road interchange	Modernize	Highway Operational and Interchanges	\$80	\$60	\$8		\$12
17-06-0015	San Mateo	Construct auxiliary lanes (one in each direction) on U.S. 101 from Marsh Road to Embarcadero Road	Modernize	Highway Operational and Interchanges	\$79	\$79			
17-06-0016	San Mateo	Improve access to and from the west side of Dumbarton Bridge on Route 84 connecting to U.S. 101 per Gateway 2020 Study - Phased	Modernize	Highway Operational and Interchanges	\$39	\$3	\$13		\$23
17-06-0017	San Mateo	Route 101/Holly St Interchange Access Improvements	Modernize	Highway Operational and Interchanges	\$34	\$1	\$25		\$8
17-06-0018	San Mateo	Improve local access at I-280/I-380 from Sneath Lane to San Bruno Avenue to I-380 - Environmental only	Modernize	Highway Operational and Interchanges	\$32		\$30		\$2
17-06-0019	San Mateo	State Route 92-82 (El Camino) Interchange Improvement	Modernize	Highway Operational and Interchanges	\$30	\$25	\$5		
17-06-0020	San Mateo	Hwy 1 operational & safety improvements in County Midcoast (acceleration/deceleration lanes; turn lanes; bike lanes; pedestrian crossings; and trails)	Modernize	Highway Operational and Interchanges	\$29	\$4	\$21		\$4
17-06-0021	San Mateo	Environmental Studies for 101/Candlestick Interchange	Modernize	Highway Operational and Interchanges	\$25	\$5	\$15		\$5
17-06-0022	San Mateo	Westbound slow vehicle lane on Route 92 between Route 35 and I-280 - Environmental Phase	Modernize	Highway Operational and Interchanges	\$25		\$20		\$5

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-06-0023	San Mateo	Route 1 Improvements in Half Moon Bay	Modernize	Highway Operational and Interchanges	\$19	\$10	\$7		\$2
17-06-0024	San Mateo	Reconstruct U.S. 101/Sierra Point Parkway interchange (includes extension of Lagoon Way to U.S. 101)	Modernize	Highway Operational and Interchanges	\$17	\$8	\$9		
17-06-0025	San Mateo	US 101/University Ave. Interchange improvements	Modernize	Highway Operational and Interchanges	\$11		\$7		\$4
17-06-0026	San Mateo	Implement incentive programs to support transit-oriented development	Modernize	Multimodal and Bike Ped	\$106		\$100		\$6
17-06-0027	San Mateo	Implement supporting infrastructure and Automated Transit Signal Priority to support SamTrans express rapid bus service along El Camino Real	Modernize	Multimodal and Bike Ped	\$1		\$1		
17-06-0028	San Mateo	Make incremental increase in SamTrans paratransit service - Phase	Modernize	Regional and County Access Initiatives	\$377		\$289		\$88
17-06-0029	San Mateo	Add new rolling stock and infrastructure to support SamTrans bus rapid transit along El Camino Real- Phase	Modernize	Transit Efficiency and Service Improvements	\$228		\$205		\$23
17-06-0030	San Mateo	Environmental Clearance and Design of the Redwood City Ferry Terminal and Service	Expand	Transit Expansion	\$8		\$8		
17-06-0031	San Mateo	Implement Redwood City Street Car - Planning Phase	Expand	Transit Expansion	\$1		\$0		\$1
17-06-0032	San Mateo	Route 1 San Pedro Creek Bridge Replacement and Creek Widening Project	Expand	Express Lanes (Expand) and Roadway Expansion	\$14	\$14			
17-06-0033	San Mateo	Widen Route 92 between SR 1 and Pilarcitos Creek alignment, includes widening of travel lanes and shoulders	Expand	Express Lanes (Expand) and Roadway Expansion	\$8	\$0	\$6		\$2
17-06-0034	San Mateo	Construct Route 1 (Calera Parkway) northbound and southbound lanes from Fassler Avenue to Westport Drive in Pacifica	Expand	Express Lanes (Expand) and Roadway Expansion	\$58	\$9	\$35		\$14
17-06-0035	San Mateo	I-280 improvements near D Street exit	Expand	Express Lanes (Expand) and Roadway Expansion	\$1				\$1
17-06-0036	San Mateo	Widen Skyline Boulevard (Route 35) to 4-lane roadway from I-280 to Sneath Lane - Phased	Expand	Express Lanes (Expand) and Roadway Expansion	\$25		\$17		\$8
17-06-0037	San Mateo	Widen Millbrae Avenue between Rollins Road and U.S. 101 southbound on-ramp and resurface intersection of Millbrae Avenue and Rollins Road	Expand	Express Lanes (Expand) and Roadway Expansion	\$11		\$11		
17-06-0038	San Mateo	Construct a 6-lane arterial from Geneva Avenue/Bayshore Boulevard intersection to U.S. 101/Candlestick Point interchange - Environmental phase	Expand	Express Lanes (Expand) and Roadway Expansion	\$17	\$1	\$15		\$1
17-06-0039	San Mateo	Grade Separations	Modernize	Planning, Local Road Operations, and Safety Improvements	\$265	\$5	\$221		\$39
17-06-0040	San Mateo	Extend Blomquist Street over Redwood Creek to East Bayshore and Bair Island Road	Expand	Express Lanes (Expand) and Roadway Expansion	\$28	\$19	\$5		\$4
17-07-0001	Santa Clara	Bicycle and Pedestrian Program	Modernize	Multimodal and Bike Ped	\$874		\$295	\$300	\$279
17-07-0002	Santa Clara	Caltrain Grade Separations	Modernize	Planning, Local Road Operations, and Safety Improvements	\$800			\$800	

Plan Bay Area 2040
Transportation Project List
values in millions of YOE \$

Attachment C.9

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-07-0003	Santa Clara	Multimodal Streetscape	Modernize	Multimodal and Bike Ped	\$446		\$196		\$250
17-07-0004	Santa Clara	Additional Local Road Preservation/Rehab	Operate and Maintain	Local Streets Preservation and Operations	\$1,400			\$1,400	
17-07-0005	Santa Clara	Minor Roadway Expansions	Expand	Express Lanes (Expand) and Roadway Expansion	\$980		\$436		\$544
17-07-0007	Santa Clara	Affordable Fare Program	Modernize	Regional and County Access Initiatives	\$44			\$44	
17-07-0008	Santa Clara	Implement System Operations and Management Program for Santa Clara County	Modernize	Highway Operational and Interchanges	\$899		\$600		\$299
17-07-0009	Santa Clara	SR 87 Technology-based Corridor Improvements	Modernize	Highway Operational and Interchanges	\$52		\$30	\$22	
17-07-0010	Santa Clara	Hwy. Transportation Operations System/Freeway Performance Initiative Phase 1 & 2	Modernize	Highway Operational and Interchanges	\$20		\$10	\$10	
17-07-0012	Santa Clara	BART Silicon Valley Extension - San Jose (Berryessa) to Santa Clara (escalated capital cost is \$5.175 billion)	Expand	Transit Expansion	\$5,467		\$1,717	\$1,500	\$2,250
17-07-0013	Santa Clara	Implement El Camino Rapid Transit Project	Modernize	Transit Efficiency and Service Improvements	\$267		\$192		\$75
17-07-0021	Santa Clara	Alviso Wetlands Doubletrack	Modernize	Goods Movement	\$196		\$196		
17-07-0022	Santa Clara	Environmental Studies for SR-152 New Alignment	Expand	Express Lanes (Expand) and Roadway Expansion	\$30			\$30	
17-07-0023	Santa Clara	US 101/Zanker Rd./Skyport Dr./Fourth St. Interchange Improvements	Modernize	Highway Operational and Interchanges	\$161		\$75	\$86	
17-07-0024	Santa Clara	Lawrence/Stevens Creek/I-280 Interchange	Modernize	Highway Operational and Interchanges	\$140		\$70	\$70	
17-07-0025	Santa Clara	I-280/Winchester Blvd Interchange Improvements	Modernize	Highway Operational and Interchanges	\$100		\$50	\$50	
17-07-0026	Santa Clara	I-280/Wolfe Road Interchange Improvements	Modernize	Highway Operational and Interchanges	\$97		\$40	\$57	
17-07-0027	Santa Clara	US 101/Mabury Rd./Taylor St. Interchange Improvements	Modernize	Highway Operational and Interchanges	\$82		\$21	\$61	
17-07-0028	Santa Clara	I-280 Mainline Improvements from County line to Sunnyvale	Modernize	Highway Operational and Interchanges	\$60		\$30	\$30	
17-07-0029	Santa Clara	I-280/Saratoga Avenue Interchange Improvements	Modernize	Highway Operational and Interchanges	\$60		\$30	\$30	
17-07-0030	Santa Clara	I-280 Northbound Braided Ramps between Foothill Expressway and SR 85	Modernize	Highway Operational and Interchanges	\$54		\$34	\$20	
17-07-0031	Santa Clara	US 101 Southbound/Trimble Rd./De La Cruz Blvd./Central Expressway Interchange Improvements	Modernize	Highway Operational and Interchanges	\$53		\$20	\$33	
17-07-0032	Santa Clara	I-680/ Alum Rock/ McKee Road Interchange Improvements	Modernize	Highway Operational and Interchanges	\$47			\$47	
17-07-0033	Santa Clara	SR 237/Mathilda Ave. and US 101/Mathilda Ave. Interchange Improvement	Modernize	Highway Operational and Interchanges	\$42			\$42	
17-07-0034	Santa Clara	US 101 Interchanges Improvements: San Antonio Rd. to Charleston Rd./Rengstorff Ave.	Modernize	Highway Operational and Interchanges	\$40		\$20	\$20	

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-07-0035	Santa Clara	US 101/Buena Vista Ave. Interchange Improvements	Modernize	Highway Operational and Interchanges	\$40		\$20	\$20	
17-07-0036	Santa Clara	SR 85 Northbound to Eastbound SR 237 Connector Ramp and Northbound SR 85 Auxiliary Lane	Modernize	Highway Operational and Interchanges	\$39		\$9	\$30	
17-07-0037	Santa Clara	SR 85/El Camino Real Interchange Improvements	Modernize	Highway Operational and Interchanges	\$28			\$28	
17-07-0038	Santa Clara	US 101/Blossom Hill Rd. Interchange Improvements	Modernize	Highway Operational and Interchanges	\$28			\$28	
17-07-0039	Santa Clara	US 101/Old Oakland Rd. Interchange Improvements	Modernize	Highway Operational and Interchanges	\$28		\$7	\$21	
17-07-0040	Santa Clara	US 101/Shoreline Blvd. Interchange Improvements	Modernize	Highway Operational and Interchanges	\$20			\$20	
17-07-0042	Santa Clara	SR 237/Great America Parkway WB Off- Ramps Improvements	Modernize	Highway Operational and Interchanges	\$15			\$15	
17-07-0043	Santa Clara	SR 237/El Camino Real/Grant Rd. Intersection Improvements	Modernize	Highway Operational and Interchanges	\$6			\$6	
17-07-0044	Santa Clara	Double Lane Southbound US 101 off-ramp to Southbound SR 87	Modernize	Highway Operational and Interchanges	\$3			\$3	
17-07-0051	Santa Clara	Widen Calaveras Blvd. overpass from 4 to 6 lanes	Expand	Express Lanes (Expand) and Roadway Expansion	\$85		\$50	\$35	
17-07-0056	Santa Clara	Bus Stop Improvements	Modernize	Transit Efficiency and Service Improvements	\$47			\$47	
17-07-0057	Santa Clara	Frequent Core Bus Network - 15 minutes	Modernize	Transit Efficiency and Service Improvements	\$658		\$200	\$458	
17-07-0058	Santa Clara	SR 85 Corridor Improvements - reserve amount	Modernize	Transit Efficiency and Service Improvements	\$450			\$450	
17-07-0059	Santa Clara	Implement Stevens Creek Rapid Transit Project	Modernize	Transit Efficiency and Service Improvements	\$254		\$254		
17-07-0060	Santa Clara	North First Street light rail speed Improvements	Modernize	Transit Efficiency and Service Improvements	\$12		\$12		
17-07-0061	Santa Clara	Extend Capitol Expressway light rail to Eastridge Transit Center - Phase II	Expand	Transit Expansion	\$386		\$386		
17-07-0062	Santa Clara	Extend light-rail transit from Winchester Station to Route 85 (Vasona Junction)	Expand	Transit Expansion	\$256		\$256		
17-07-0063	Santa Clara	Mineta San Jose International Airport APM connector - planning and environmental	Expand	Transit Expansion	\$50		\$50		
17-07-0064	Santa Clara	County Safety, Security, Noise and Other	Modernize	Planning, Local Road Operations, and Safety Improvements	\$25		\$10	\$15	
17-07-0065	Santa Clara	Caltrain Station and Service Enhancements	Modernize	Transit Efficiency and Service Improvements	\$722		\$150	\$572	
17-07-0066	Santa Clara	Future Transit Corridor Studies	Modernize	Transit Efficiency and Service Improvements	\$5		\$5		
17-07-0067	Santa Clara	SR 17 Corridor Congestion Relief in Los Gatos	Modernize	Highway Operational and Interchanges	\$30		\$15	\$15	
17-07-0068	Santa Clara	237 WB Additional Lane from McCarthy to North First	Modernize	Highway Operational and Interchanges	\$52		\$12	\$40	

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-07-0069	Santa Clara	US 101/SR 25 Interchange	Modernize	Highway Operational and Interchanges	\$185		\$150	\$35	
17-07-0070	Santa Clara	SR 237 Express Lanes: North First St. to Mathilda Ave.	Modernize	Express Lanes (Conversions) and Pricing	\$27		\$27		
17-07-0074	Santa Clara	SR 85 Express Lanes: US 101 (South San Jose) to Mountain View	Expand	Express Lanes (Expand) and Roadway Expansion	\$198		\$198		
17-07-0075	Santa Clara	US 101 Express Lanes: Whipple Ave. in San Mateo County to Cochrane Road in Morgan Hill	Expand	Express Lanes (Expand) and Roadway Expansion	\$507		\$507		
17-07-0076	Santa Clara	Santa Clara County Express Lanes Operations and Maintenance	Expand	Express Lanes (Expand) and Roadway Expansion	\$720		\$720		
17-07-0077	Santa Clara	BART – Warm Springs to Berryessa Extension (SVBX)	Expand	Transit Expansion	\$2,522	\$2,324	\$197		
17-07-0078	Santa Clara	Envision Expressway (Tier 1 Expressway Plan) Major and Minor Projects	Expand	Express Lanes (Expand) and Roadway Expansion	\$821			\$821	
17-07-0079	Santa Clara	Envision Highway Minor Projects	Modernize	Highway Operational and Interchanges	\$56			\$56	
17-07-0080	Santa Clara	Alum Rock/Santa Clara Street Bus Rapid Transit	Modernize	Transit Efficiency and Service Improvements	\$115	\$115			
17-07-0081	Santa Clara	I-880 Express Lanes: SR-237 to US-101	Modernize	Express Lanes (Conversions) and Pricing	\$28		\$28		
17-07-0082	Santa Clara	SR-87 Express Lanes: I-880 to SR-85	Modernize	Express Lanes (Conversions) and Pricing	\$43		\$43		
17-07-0083	Santa Clara	I-680 Express Lanes: SR-237 to US-101	Modernize	Express Lanes (Conversions) and Pricing	\$91		\$91		
17-07-0084	Santa Clara	I-280 Express Lanes: US-101 to Magdalena Avenue	Modernize	Express Lanes (Conversions) and Pricing	\$113		\$113		
17-07-0085	Santa Clara	Santa Clara County Express Lanes - Environmental and Design Phase for Future Segments	Expand	Express Lanes (Expand) and Roadway Expansion	\$200		\$200		
17-07-0086	Santa Clara	Santa Clara County Express Lanes - Reserve	Expand	Express Lanes (Expand) and Roadway Expansion	\$384		\$384		
17-07-0087	Santa Clara	Widen San Tomas Expressway to 8 Lanes from Stevens Creek Blvd to Campbell Ave	Expand	Express Lanes (Expand) and Roadway Expansion	\$44		\$44		
17-07-0088	Santa Clara	Senter Road Widening from Umbarger to Lewis	Expand	Express Lanes (Expand) and Roadway Expansion	\$8		\$2		\$6
17-07-0089	Santa Clara	South Bascom Complete Streets	Expand	Express Lanes (Expand) and Roadway Expansion	\$40		\$8		\$32
17-07-0090	Santa Clara	Widen Brokaw Bridge over Coyote Creek	Expand	Express Lanes (Expand) and Roadway Expansion	\$29		\$6		\$23
17-07-0091	Santa Clara	Widen Oakland Road from 4-lanes to 6-lanes between U.S. 101 and Montague Expressway	Expand	Express Lanes (Expand) and Roadway Expansion	\$15		\$3		\$12
17-08-0001	Solano	Access and Mobility Program	Modernize	Regional and County Access Initiatives	\$113		\$94		\$19
17-08-0002	Solano	Bicycle and Pedestrian Program	Modernize	Multimodal and Bike Ped	\$20		\$10		\$10
17-08-0003	Solano	Climate Program: TDM and Emission Reduction Technology	Modernize	Climate	\$23		\$4		\$19
17-08-0004	Solano	County Safety, Security and Other	Modernize	Planning, Local Road Operations, and Safety Improvements	\$17	\$2	\$3		\$12

Transportation Project List

values in millions of YOY \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-08-0005	Solano	Multimodal Streetscape	Modernize	Multimodal and Bike Ped	\$2		\$2		
17-08-0006	Solano	PDA Planning	Modernize	Planning, Local Road Operations, and Safety Improvements	\$17		\$2		\$15
17-08-0007	Solano	Minor Roadway Expansions	Expand	Express Lanes (Expand) and Roadway Expansion	\$10		\$10		
17-08-0008	Solano	Roadway Operations	Modernize	Planning, Local Road Operations, and Safety Improvements	\$59		\$1		\$58
17-08-0009	Solano	I-80/I-680/SR12 Interchange (Packages 2-7)	Modernize	Goods Movement	\$380	\$5	\$90		\$285
17-08-0010	Solano	Improve interchanges and widen roadways serving Solano County Fairgrounds, including Redwood Parkway	Modernize	Highway Operational and Interchanges	\$100		\$55		\$45
17-08-0011	Solano	Provide auxiliary lanes on I-80 in eastbound and westbound directions from I-680 to Airbase Parkway	Modernize	Goods Movement	\$57		\$20		\$37
17-08-0012	Solano	Construct 4-lane Jepson Parkway from Route 12 to Leisure Town Road at I-80	Expand	Express Lanes (Expand) and Roadway Expansion	\$85	\$59	\$26		
17-08-0013	Solano	Conduct planning and design studies along SR-12 corridor in Solano County	Modernize	Goods Movement	\$58		\$10		\$48
17-08-0014	Solano	Construct train station building and support facilities at the new Fairfield / Vacaville multimodal station	Modernize	Transit Efficiency and Service Improvements	\$81	\$63			\$18
17-08-0015	Solano	Solano MLIP Support Projects	Modernize	Transit Efficiency and Service Improvements	\$115		\$10		\$105
17-08-0016	Solano	Vallejo Station Parking Structure Phase B	Modernize	Transit Efficiency and Service Improvements	\$30				\$30
17-08-0017	Solano	I-80 WB Truck Scales	Modernize	Goods Movement	\$170				\$170
17-09-0001	Sonoma	Bicycle and Pedestrian Program	Modernize	Multimodal and Bike Ped	\$173		\$123		\$50
17-09-0002	Sonoma	SMART Rail Freight Improvements	Modernize	Goods Movement	\$10		\$10		
17-09-0003	Sonoma	Multimodal Streetscape	Modernize	Multimodal and Bike Ped	\$28		\$18		\$10
17-09-0004	Sonoma	Minor Roadway Expansions	Expand	Express Lanes (Expand) and Roadway Expansion	\$176	\$19	\$157		
17-09-0005	Sonoma	Roadway Operations	Modernize	Planning, Local Road Operations, and Safety Improvements	\$272		\$152		\$120
17-09-0006	Sonoma	Implement Marin Sonoma Narrows Phase 2 (Sonoma County)	Expand	Express Lanes (Expand) and Roadway Expansion	\$243		\$120		\$123
17-09-0008	Sonoma	Arata Lane Interchange	Expand	Express Lanes (Expand) and Roadway Expansion	\$4		\$4		
17-09-0009	Sonoma	Cotati US 101/Railroad Avenue Improvements (incl. Penngrove)	Modernize	Highway Operational and Interchanges	\$56		\$56		
17-09-0010	Sonoma	Hearn Avenue Interchange	Modernize	Highway Operational and Interchanges	\$36		\$36		
17-09-0011	Sonoma	Shiloh Road Interchange Reconstruction	Modernize	Highway Operational and Interchanges	\$27		\$27		
17-09-0012	Sonoma	Cotati Highway 116 Cotati Corridor Improvements	Modernize	Highway Operational and Interchanges	\$20		\$20		
17-09-0013	Sonoma	Petaluma Crosstown Connector and Rainier Interchange	Expand	Express Lanes (Expand) and Roadway Expansion	\$123		\$123		

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-09-0014	Sonoma	Farmers Lane extension between Bennett Valley Rd and Yolanda Avenue	Expand	Express Lanes (Expand) and Roadway Expansion	\$72	\$5	\$67		
17-09-0015	Sonoma	Road Diet Extension - Petaluma Boulevard South	Expand	Express Lanes (Expand) and Roadway Expansion	\$3		\$3		
17-09-0016	Sonoma	SMART Petaluma Infill Station	Modernize	Transit Efficiency and Service Improvements	\$11		\$11		
17-09-0017	Sonoma	Enhance bus service frequencies in Sonoma County	Modernize	Transit Efficiency and Service Improvements	\$409		\$80		\$329
17-09-0018	Sonoma	SMART Rail Extension to Windsor + Environmental to Cloverdale + Bike Path	Expand	Transit Expansion	\$49		\$49		
17-10-0001	AC Transit	AC Transit Fleet Expansion and Major Corridors	Modernize	Transit Efficiency and Service Improvements	\$340				\$340
17-10-0003	AC Transit	San Pablo Avenue BRT	Modernize	Transit Efficiency and Service Improvements	\$300		\$25		\$275
17-10-0004	AC Transit	Environmental Studies for Bay Bridge Contraflow Lane	Modernize	Transit Efficiency and Service Improvements	\$20				\$20
17-10-0005	BART	BART Metro Program + Bay Fair Connector	Modernize	Transit Efficiency and Service Improvements	\$1,055		\$267	\$200	\$588
17-10-0006	BART	BART Transbay Core Capacity Project (Financing cost included in RTPID 17-10-0016)	Modernize	Transit Efficiency and Service Improvements	\$3,132		\$932	\$400	\$1,800
17-10-0007	CAHSR	California HSR in the Bay Area	Expand	Transit Expansion	\$8,489		\$8,489		
17-10-0008	Caltrain	Caltrain Electrification Phase 1 + CBOSS	Modernize	Transit Efficiency and Service Improvements	\$2,360		\$1,120		\$1,240
17-10-0009	GGBHTD	Golden Gate Bridge Capital and Operations	Operate and Maintain	Highway and Bridge Preservation	\$2,031		\$2,031		
17-10-0010	GGBHTD	Bus and Ferry Service Expansion	Modernize	Transit Efficiency and Service Improvements	\$199		\$199		
17-10-0011	Multi-County	Lifeline, Community Based Transportation Program, and Mobility Management	Modernize	Regional and County Access Initiatives	\$890				\$890
17-10-0012	Multi-County	Means-Based Fare Study Implementation	Modernize	Regional and County Access Initiatives	\$150				\$150
17-10-0013	Multi-County	Transportation Management Systems	Modernize	Highway Operational and Interchanges	\$500				\$500
17-10-0014	Multi-County	Bay Trail - non toll bridge segments	Modernize	Multimodal and Bike Ped	\$220		\$8		\$212
17-10-0015	Multi-County	Climate Program: TDM and Emission Reduction Technology	Modernize	Climate	\$535	\$9	\$36		\$490
17-10-0016	Multi-County	Cost Contingency and Financing	Operate and Maintain	Cost Contingency and Debt Service	\$1,000				\$1,000
17-10-0017	Multi-County	Capital Projects Debt Service	Operate and Maintain	Cost Contingency and Debt Service	\$4,100		\$3,000		\$1,100
17-10-0018	Multi-County	Goods Movement Clean Fuels and Impact Reduction Program	Modernize	Goods Movement	\$350				\$350
17-10-0019	Multi-County	Goods Movement Technology Program	Modernize	Goods Movement	\$300				\$300
17-10-0020	Multi-County	New/Small Starts Reserve	Expand	Transit Expansion	\$640				\$640
17-10-0021	Multi-County	Priority Development Area (PDA) Planning Grants	Modernize	Planning, Local Road Operations, and Safety Improvements	\$200				\$200

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-10-0022	Multi-County	Local and Streets and Roads - Existing Conditions	Operate and Maintain	Local Streets Preservation and Operations	\$20,698		\$12,918		\$7,780
17-10-0023	Multi-County	Local Streets and Roads - Operations	Operate and Maintain	Local Streets Preservation and Operations	\$12,850		\$12,850		
17-10-0024	Multi-County	Regional and Local Bridges - Existing Conditions	Operate and Maintain	Highway and Bridge Preservation	\$14,550		\$14,300		\$250
17-10-0025	Multi-County	Regional State Highways - Existing Conditions	Operate and Maintain	Highway and Bridge Preservation	\$13,750		\$13,750		
17-10-0026	Multi-County	Regional Transit Capital - Existing Conditions	Operate and Maintain	Transit Capital Preservation	\$30,564		\$5,833	\$3,300	\$21,431
17-10-0027	Multi-County	Regional Transit Operations	Operate and Maintain	Transit Operations	\$119,830		\$103,779		\$16,051
17-10-0028	Multi-County	Clipper	Modernize	Transit Efficiency and Service Improvements	\$1,735		\$661		\$1,074
17-10-0029	Multi-County	511 Traveler Information Program	Modernize	Transit Efficiency and Service Improvements	\$280		\$41		\$239
17-10-0030	Multi-County	SAFE Freeway Patrol	Modernize	Highway Operational and Interchanges	\$150		\$150		
17-10-0031	Multi-County	Regional Transportation Emergency Management Program	Modernize	Planning, Local Road Operations, and Safety Improvements	\$25				\$25
17-10-0032	Multi-County	Regional Rail Station Modernization and Access Improvements	Modernize	Transit Efficiency and Service Improvements	\$360			\$200	\$160
17-10-0033	Multi-County	Bay Area Forward - Active Traffic Management, Arterial Operations, Connected Vehicles, Shared Mobility, Transbay Operations, Managed Lanes Implementation Plan Operations, Transit and Commuter Parking	Modernize	Highway Operational and Interchanges	\$995		\$129		\$866
17-10-0034	Multi-County	San Francisco-Oakland Bay Bridge West Span Bicycle, Pedestrian, and Maintenance Path - Environmental Only	Modernize	Multimodal and Bike Ped	\$30	\$10			\$20
17-10-0036	Multi-County	I-580 Access Improvements Project	Modernize	Highway Operational and Interchanges	\$74	\$74			
17-10-0037	Multi-County	Highway 37 Improvements and Sea Level Rise Mitigation PSR	Modernize	Goods Movement	\$24		\$12		\$12
17-10-0038	TJPA	Caltrain/HSR Downtown San Francisco Extension (capital cost is \$3.999 billion)	Expand	Transit Expansion	\$4,250	\$109	\$1,058		\$3,083
17-10-0039	TJPA	Implement Transbay Transit Center/Caltrain Downtown Extension (Phase 1 - Transbay Transit Center)	Expand	Transit Expansion	\$2,259	\$2,200	\$59		
17-10-0040	WETA	North Bay Ferry Service Enhancement	Modernize	Transit Efficiency and Service Improvements	\$220				\$220
17-10-0041	WETA	Central Bay Ferry Service Enhancement	Modernize	Transit Efficiency and Service Improvements	\$212				\$212
17-10-0042	WETA	Albany/Berkeley Ferry Terminal	Modernize	Transit Efficiency and Service Improvements	\$143				\$143
17-10-0043	Multi-County	Regional Carpool Program	Modernize	Climate	\$60	\$3	\$8		\$48
17-10-0044	Multi-County	I-80 Express Lanes in both directions: Airbase Parkway to Red Top Road	Modernize	Express Lanes (Conversions) and Pricing	\$44		\$15		\$29

Transportation Project List

values in millions of YOE \$

RTPID	Sponsor	Title	Strategy 1	Strategy 2	Total Project Cost	Pre2017 Funding	Post 2017 Local/ Committed Funding	Nov. 2016 Ballot Measure	Regional Discretionary Funding
17-10-0045	Multi-County	I-80 Express Lanes: Westbound Bay Bridge Approaches	Modernize	Express Lanes (Conversions) and Pricing	\$18		\$0		\$18
17-10-0047	Multi-County	I-680 Express Lanes: Northbound from Marina Vista to SR 242	Modernize	Express Lanes (Conversions) and Pricing	\$15		\$2		\$13
17-10-0048	Multi-County	I-680 Express Lanes: Southbound from Marina Vista to Rudegier	Modernize	Express Lanes (Conversions) and Pricing	\$36		\$36		
17-10-0049	Multi-County	I-680 Express Lanes in both directions: Livorno/Rudegier to Alcosta	Modernize	Express Lanes (Conversions) and Pricing	\$56		\$56		
17-10-0050	Multi-County	SR-84 Express Lanes: Westbound from I-880 to Dumbarton Bridge Toll Plaza	Modernize	Express Lanes (Conversions) and Pricing	\$6		\$2		\$4
17-10-0051	Multi-County	SR-92 Express Lanes: Westbound from Hesperian to San Mateo Bridge Toll Plaza	Modernize	Express Lanes (Conversions) and Pricing	\$7		\$2		\$5
17-10-0052	Multi-County	I-880 Express Lanes in both directions: Hegenberger/Lewelling to SR-237	Modernize	Express Lanes (Conversions) and Pricing	\$78		\$40		\$38
17-10-0053	Multi-County	I-80 Express Lanes in both directions: Carquinez Bridge to Bay Bridge	Modernize	Express Lanes (Conversions) and Pricing	\$81		\$41		\$40
17-10-0054	Multi-County	MTC Express Lane Program Cost	Modernize	Express Lanes (Conversions) and Pricing	\$113		\$60		\$53
17-10-0055	Multi-County	East and North Bay Express Lanes Operations and Maintenance	Modernize	Express Lanes (Conversions) and Pricing	\$1,512		\$1,512		
17-10-0056	Multi-County	East and North Bay Express Lanes Reserve	Modernize	Express Lanes (Conversions) and Pricing	\$2,164		\$2,164		
17-10-0057	Multi-County	I-880 Express Lanes: Northbound from Hegenberger to Lewelling and bridge improvements	Expand	Express Lanes (Expand) and Roadway Expansion	\$221		\$221		
17-10-0058	Multi-County	I-680 Express Lanes: Northbound from SR-84 to SR-237	Expand	Express Lanes (Expand) and Roadway Expansion	\$394		\$394		
17-10-0059	Multi-County	I-80 Express Lanes in both directions: Airbase Parkway to I-505	Expand	Express Lanes (Expand) and Roadway Expansion	\$136		\$136		
17-10-0060	Multi-County	I-680 Express Lanes: Northbound from Rudegier to SR 242 and operational improvements	Expand	Express Lanes (Expand) and Roadway Expansion	\$57		\$57		
17-10-0061	Multi-County	I-680 Express Lanes: I-80 westbound to I-680 southbound and I-680 northbound to I-80 eastbound direct connectors	Expand	Express Lanes (Expand) and Roadway Expansion	\$140		\$140		
17-10-0062	Multi-County	East and North Bay Express Lanes - Environmental and Design Phases for Future Segments	Expand	Express Lanes (Expand) and Roadway Expansion	\$200		\$200		
17-10-0063	BART	BART Seismic Safety Augmentation	Modernize	Planning, Local Road Operations, and Safety Improvements	\$90		\$10		\$80
17-10-0064	BART	Hayward Maintenance Complex Phase 1	Modernize	Transit Efficiency and Service Improvements	\$433	\$254	\$179		