



RESOLUTION APPROVING SAN FRANCISCO'S DRAFT PLAN BAY AREA 2050 FISCALLY  
CONSTRAINED PROJECT LIST

WHEREAS, Every four years, the Metropolitan Transportation Commission and the Association of Bay Area Governments (MTC/ABAG) are required to develop and adopt a Regional Transportation Plan and Sustainable Communities Strategy, called Plan Bay Area or PBA, to guide the region's long-term transportation investments and establish land-use priorities across all nine counties; and

WHEREAS, The next PBA, known as PBA 2050, must establish a strategy to meet the region's greenhouse gas emission reduction target and accommodate the region's projected household and employment growth through 2050; and

WHEREAS, As Congestion Management Agency (CMAs) for San Francisco, the Transportation Authority is responsible for coordinating with local and regional partner agencies to establish San Francisco's priorities for inclusion in PBA; and

WHEREAS, On July 23, 2019, through Resolution 20-06, the Transportation Authority approved goals to guide San Francisco's work on PBA 2050 (Attachment 1) and throughout the process, staff has worked in close coordination with local transportation agencies and regional transit providers to develop San Francisco's input into PBA 2050; and

WHEREAS, MTC/ABAG have requested that the CMAs provide a list of county priorities including regionally significant projects and other programmatic needs that fit within a fiscally constrained target by March 27, 2020; and

WHEREAS, San Francisco's discretionary county budget is currently estimated at around \$4.6 billion, based on anticipated local revenue from sources such as Prop K, the State Transportation Improvement Program, local developer fees, and population-based General Fund revenues for the San Francisco Municipal Transportation Agency, with existing funding commitments to projects and funding used for the operations and maintenance of transit, streets, and roads netted out; and

WHEREAS, The staff recommended fiscally constrained list of San Francisco projects is shown in Attachment 2a with brief project descriptions and in Attachment 2b with proposed funding from San Francisco's county target as well as regional discretionary fund asks; and

WHEREAS, Consistent with MTC/ABAG guidance, the proposed project list only



names specific projects when required to do so for air quality conformity purposes (e.g. for major transit or roadway expansion projects) with most projects proposed for inclusion in PBA 2050 via programmatic categories; and

WHEREAS, Over the next several months, MTC/ABAG will continue to work with CMAs and project sponsors to revise revenue forecasts; refine regional projects and strategies; update state of good repair needs assessments for transit, local streets and roads; evaluate the performance of proposed local and regional projects; and make recommendations regarding the distribution of regional discretionary funds to projects and programs in PBA 2050; and

WHEREAS, Informed by the aforementioned work, staff anticipates returning to the Transportation Authority Board in summer 2020 to seek approval of a refined fiscally constrained project list to submit to MTC for inclusion in the final draft PBA 2050 before it begins the environmental review process; and

WHEREAS, At its February 26, 2020 meeting, the Citizens Advisory Committee was briefed on San Francisco's draft fiscally constrained list, and unanimously adopted a motion of support for the staff recommendation; and

RESOLVED, That the Transportation Authority hereby approves San Francisco's Draft PBA 2050 fiscally constrained project list; and, be it further

RESOLVED, That the Executive Director is directed to submit this list to MTC/ABAG.

Attachments:

- Attachment 1 - San Francisco Goals for PBA 2050
- Attachment 2a - Draft Fiscally Constrained List - Project and Program Descriptions
- Attachment 2b - Draft Fiscally Constrained List - Project and Program Funding



**San Francisco  
County Transportation  
Authority**

BD031020

RESOLUTION NO. 20-43

The foregoing Resolution was approved and adopted by the San Francisco County Transportation Authority at a regularly scheduled meeting thereof, this 14th day of April, 2020, by the following votes:

**Ayes:** Commissioners Fewer, Haney, Mandelman, Peskin, Preston, Ronen, Safai, Stefani, Walton (9)

**Nays:** (0)

**Absent:** Commissioners Mar and Yee (2)

Aaron Peskin 5-8-20

Aaron Peskin  
Chair

Date

ATTEST:

Tilly Chang 5/13/20

Tilly Chang  
Executive Director

Date

**Attachment 1.**  
**San Francisco Goals for Plan Bay Area (PBA) 2050 (June 20, 2019)**

Goals	Notes
1. Ensure that all San Francisco projects and programs that need to be in PBA 2050 in order to advance are included	Projects need to be included in PBA 2050 if they: <ul style="list-style-type: none"> <li>• Need a federal action (e.g. federal environmental approval) or wish to seek state or federal funds before 2025 when the next PBA will be adopted</li> <li>• Trigger federal air quality conformity analysis (e.g. projects that change capacity of transit or major roadways)</li> </ul>
2. Advocate strongly for more investment in transit state of good repair to support existing communities and new growth	Coordinate with the “Big 3 Cities” accepting most of the job and housing growth in PBA and regional and local transit operators
3. Advocate for increased shares of existing revenues for San Francisco priorities (partial list at right)	<ul style="list-style-type: none"> <li>• BART Core Capacity</li> <li>• Better Market Street</li> <li>• Blended High Speed Rail/Caltrain service from San Jose to the Transbay Transit Center</li> <li>• Downtown Rail Extension</li> <li>• Geary BRT</li> <li>• Muni fleet and facilities expansion</li> <li>• Muni Forward</li> <li>• Vision Zero (support eligibility for MTC fund programs)</li> <li>• Placeholders for transit expansion planning (e.g. west side rail, 19<sup>th</sup> Avenue/M-Line, Central Subway extension, etc.)</li> </ul>
4. Advocate for new revenues for transportation and housing, and continue advocacy for San Francisco priorities in new expenditure plans	<ul style="list-style-type: none"> <li>• Regional transportation measure(s)</li> <li>• Regional housing measure(s)</li> <li>• State road user charge (monitor pilots)</li> <li>• Federal surface transportation bill</li> </ul>
5. Support performance-based decision-making	<ul style="list-style-type: none"> <li>• Support transparent reporting on strategy and project performance evaluation metrics, including impact on vehicles miles travelled</li> <li>• Continue advocating for a better way of capturing of transit crowding in PBA evaluation, key to transit core capacity issues</li> <li>• Advocate for discretionary funds for high-performing and regionally significant San Francisco projects</li> </ul>
6. Support coordinated transportation and land use planning	<ul style="list-style-type: none"> <li>• Advocate for regional policies to support jurisdictions accepting their fair share of housing and employment growth, especially in areas with existing or planned transit service to support new growth</li> <li>• Advocate for more funds to support Priority Development Area planning</li> </ul>

**Attachment 1.**  
**Draft San Francisco Goals for Plan Bay Area (PBA) 2050 (June 20, 2019)**

Goals	Notes
	<ul style="list-style-type: none"> <li>Support update to the Regional Transit Expansion Policy to reflect appropriate land use requirements as a prerequisite for regional endorsement and investment</li> </ul>
7. Focus on equity	<ul style="list-style-type: none"> <li><b>Access to transportation</b> – Late Night Transportation Study, Prosperity Plan</li> <li><b>Affordability</b> – MTC Means-Based Pilot, BART university pass/discount</li> <li><b>Communities of Concern</b> – Continue Community Based Transportation Planning grant program, more funds for Lifeline Transportation Program</li> <li><b>Housing/Displacement</b> – Work with the Board, Mayor, SF agencies, etc. to develop recommendations for planning, production, and preservation of affordable housing and to prevent/mitigate displacement</li> <li><b>Vision Zero</b> – SFTP 2040 demonstrated that communities of concern experience disproportionately high rates of pedestrian and bike injuries. Continue to advocate for regional Vision Zero policies and investments.</li> </ul>
8. Support comprehensive, multimodal planning for the region's network of carpool and express lanes	Develop a regional carpool/express lane vision that includes regional/local express transit service
9. Continue to show leadership in evaluating and planning for emerging mobility solutions and technologies	To the extent PBA 2050 addresses this topic, provide input to shape and lead on regional policy on emerging mobility services and technologies, including shared mobility and autonomous vehicles
10. Provide San Francisco input to shape and lead on other regional policy topics	<ul style="list-style-type: none"> <li>Sea level rise/adaption</li> <li>Economic performance and access to jobs</li> </ul>

**Attachment 2a - San Francisco's Draft Fiscally Constrained PBA 2050 Project List  
Project and Program Descriptions**



**San Francisco  
County Transportation  
Authority**

	Column A	B	C	D	E	F	G	H	J
	PBA 2050 Projects and Programs	Project Sponsor <sup>1</sup>	Project Description	Capital Cost <sup>2</sup>	Annual Average O+M <sup>3</sup> Cost <sup>2</sup>	First Year Construction	First Year Operations / Open for Use	Total Cost <sup>2</sup> incl. O+M <sup>3</sup>	Supports MTC/ABAG's Transportation Strategies
1	Expand SFMTA Transit Fleet - LRV (Core Capacity)	SFMTA	This project entails additional expansion of the SFMTA light rail vehicle fleet, beyond the currently wrapping up 68-car expansion. The purpose is to meet projected future transit demand, as indicated in the SFMTA Transit Fleet Plan. It will facilitate the future provision of additional service through the procurement of transit vehicles. Includes the purchase of 45 expansion light vehicles.	\$ 204.3		2026	2029	\$ 204.3	K, M
2	Muni Train Control Upgrade (Core Capacity)	SFMTA	The Train Control Upgrade Program is a 10-year program of systemwide upgrades from Automatic Train Control System (ATCS) to Communications Based Train Control (CBTC) as well expansion of the train control system to surface light rail lines. The new CBTC will improve vehicle volumes by 20 percent through the Market Street tunnel. Additionally, expansion of the new CBTC to the surface will provide—for the first time—the ability for centralized line management of the entire light rail system.	\$ 297.0	\$ 10	2022	2028	\$ 397.0	A, K, M
3	Muni Forward: Core Capacity Rail	SFMTA	Muni Forward is a program of relatively low-cost improvements to enhance reliability, efficiency, travel times, and rider comfort that has been successfully deployed on 40 miles of Transit Priority Projects across San Francisco. This Program builds on the successes of the Rapid bus network investments. These rail-oriented Muni Forward projects will promote similar or greater ridership gains on the J Church, K Ingleside, and M Ocean View lines.	\$ 117.0		2023	2026	\$ 117.0	K, M
4	Muni Forward + Frequency Increase (other)	SFMTA	Muni Forward is a program of relatively low-cost improvements to enhance reliability, efficiency, travel times, and rider comfort that has been successfully deployed on 40 miles of Transit Priority Projects across San Francisco. This Program builds on the successes of the Rapid bus network investments.	\$ 303.5	\$ 76.9	varies	varies	\$ 2,508.9	E, F, G
5	Expand SFMTA Transit Fleet - Buses	SFMTA	This project entails future expansion of the SFMTA bus fleet. The purpose is to meet projected future transit demand, as indicated in the SFMTA Transit Fleet Plan, as well as operational changes needed for a 100% electric fleet. Cost presented includes expansion vehicles only.	\$ 259.5		2020	2029	\$ 259.5	A, K
6	Expand SFMTA Transit Fleet - Facilities	SFMTA	This project entails future expansion of the SFMTA transit facilities to house and maintain transit expansion vehicles. The purpose is to meet projected future transit demand, as indicated in the SFMTA Transit Fleet Plan. It will facilitate the future provision of additional service through the procurement of transit vehicles as well as the development of needed modern transit facilities. Cost represents only expanded facilities capacity, above and beyond replacement of existing capacity.	\$ 293.0		2022	2024	\$ 293.0	A
7	Treasure Island Congestion Pricing	SFCTA	The Treasure Island Mobility Bundle includes the Treasure Island Congestion Pricing program, as well as multiple components funded through the toll and other sources, including: enhanced Muni services and new ferry service from downtown SF to Treasure Island, new AC Transit express bus service to Treasure Island, on-island shuttle bus services, and improved bike/ped and transit infrastructure on Treasure Island and Yerba Buena Island.	\$ 32.0	\$ 40.2	2019	2021	\$ 1,303.7	B, C, D, E, F, G, K
8	Downtown SF Congestion Pricing	SFCTA	Downtown SF Congestion Pricing includes a charging a toll to drive into the Downtown SF Cordon area, and investing revenues in increased transit service and in bicycle, pedestrian, and transit infrastructure improvements.	\$ 125.0	\$ 25.0	2024	2025	\$ 1,089.0	D, E, F, K
9A	US-101/I-280 Express Lanes	SFCTA	The SF County US-101/I-280 Express Lanes Project will construct High Occupancy Toll (HOT) lanes from the San Mateo County line to the existing transit only lanes on 3rd Street in San Francisco. This is an important bus and shuttle link in the regional transportation network.	\$ 184.0		2021	2023	\$ 184.0	D, G, K, N
9B	US-101/I-280 Regional/Local Express Bus to Support Express Lanes in SF	SFCTA	Cost includes additional bus fleet and increased service on the 14X and 8BX Muni routes.	\$ 10.0	\$ 7.0	2025	2026	\$ 265.0	D, G, K, N

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	PBA 2050 Projects and Programs	Project Sponsor <sup>1</sup>	Project Description	Capital Cost <sup>2</sup>	Annual Average O+M <sup>3</sup> Cost <sup>2</sup>	First Year Construction	First Year Operations / Open for Use	Total Cost <sup>2</sup> incl. O+M <sup>3</sup>	Supports MTC/ABAG's Transportation Strategies
10	San Francisco Late Night Transportation Improvements	SFCTA	New routes and increased frequency for all-night bus service.	\$ -	\$ 3.8	n/a	2025	\$ 146.0	G, K
11	Mission Bay Ferry Landing	Port of SF	Establish New Ferry terminal to serve Mission Bay and Central Waterfront neighborhoods. Project located on the San Francisco Bay adjacent to the intersection of Terry Francois Blvd. and 16th Street.	\$ 58.4		2019	2021	\$ 58.4	G, K
12	Better Market Street Transportation Enhancements	SFPW / SFMTA	Improve Market Street between Steuart Street and Octavia Boulevard. Includes sidewalk improvements, way-finding, lighting, landscaping, transit boarding islands, transit connections, traffic signals, and transportation circulation changes. Does not include non-transportation and/or SOGR elements	\$ 297.6		2021	2027	\$ 297.6	E, F
13	Geary Boulevard Improvement Project	SFMTA	Implement bus and streetscape improvements to Geary Boulevard between Stanyan and 34th Avenue. This proposal includes dedicated bus lanes, enhanced platforms, new bus passing zones, adjustments to local bus stops, turn lane restrictions, new signalization with Transit Signal Priority, real-time arrival information, low-floor buses, and safety improvements in support of Vision Zero.	\$ 235.0	\$ 11.0	2020	2022	\$ 732.0	E, F, J, K
14	Van Ness Avenue Bus Rapid Transit	SFMTA	Implement Van Ness Avenue Bus Rapid Transit (Van Ness BRT) to improve approximately two miles of a major north-south urban arterial in San Francisco. Project would include a dedicated lane for BRT buses in each direction between Mission and Lombard Streets. There will be nine BRT stations, with platforms on both sides for right-side passenger boarding and drop-off.	\$ 225.2		2016	2021	\$ 169.6	E, F, G, J, K
15	Parkmerced Transportation Improvements	SFMTA	Implements transportation improvements for the Parkmerced development including enhanced transit service, pedestrian and bicycle facilities, intersection improvements, parking management, carshare and bikehare stations, and TDM measures such as transit subsidies. The private developer is primarily responsible for design, build, and funding of transportation improvements. Construction phasing is expected to take 20-25 years to complete, with anticipated start of construction in 2019. Project area is generally bounded by 19th Ave & Junipero Serra to the east, Lake Merced Blvd to the west, Holloway Ave to the north, Brotherhood Way to the south.	\$ 99.0		2019	2022	\$ 99.0	E, F, G, K, M
16	Alemany Roadway Redesign and Ramp Reconfiguration	SFCTA	A redesign of Alemany Boulevard from approximately the St. Mary's Park Footbridge in the west to the 101/280 interchange in the east, and the relocation of the 101 off-ramp, in anticipation of potential affordable housing development.	\$ 250.0		2025	2027	\$ 250.0	E, F
17	Balboa Park Station Area - Closure of Northbound I-280 On-Ramp from Geneva Avenue	SFCTA	This project would study and implement closure of the northbound I-280 on-ramp from Geneva Avenue to improve safety. Closure of the ramp would initially be a pilot project, if possible, depending on the results of traffic studies. The linked on-ramp from Ocean Avenue would remain open.	\$ 6.0		2021	2022	\$ 6.0	E, F
18	Balboa Park Station Area - Southbound I-280 Off-Ramp Realignment at Ocean Avenue	SFCTA	This project will realign the existing uncontrolled southbound I-280 off-ramp to Ocean Avenue into a T-intersection and construct a new traffic signal on Ocean Avenue to control the off-ramp.	\$ 20.5		2021	2022	\$ 20.5	E, F
19	Yerba Buena Island (YBI) I-80 Interchange Improvement	SFCTA	Includes two major components: 1) On the east side of the island, the I-80/YBI Ramps project will construct new westbound on- and off- ramps to the new Eastern Span of the Bay Bridge, including approach roadways; 2) On the west side of the island, the YBI West-Side Bridges Retrofit project will seismically retrofit the existing bridge structures.	\$ 280.8		2013	2023	\$ 280.8	E, F, N
20	Southeast Waterfront Transportation Improvements - Phase 1	SFPW / OCII	Create a 5 mile multi-modal corridor of streets, transit facilities, pedestrian paths, and dedicated bicycle lanes to link the Candlestick/Hunters Point Shipyard project area to BART, T-Third light rail, Caltrain, local bus lines and future ferry service. This project also includes express bus and enhances transit service between the Southeast Waterfront and downtown San Francisco.	\$ 268.5	\$ 18.0	2021	2034	\$ 659.0	E, F, G, K

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21	Hunters Pt Shipyard and Candlestick Pt Local Roads	SFPW / OCIL	Build new local streets within the Hunters Point Shipyard and Candlestick Point area.	\$ 501.0		2021	2034	\$ 501.0	E, F
22	Geneva-Harney Bus Rapid Transit	SFMTA	Initial Phase (east of Bayshore/Arleta): Provides exclusive bus lanes, transit signal priority, and high-quality stations along Tunnel Avenue, Beatty Avenue, Alana Way, Harney Way, and Crisp Avenue, and terminating at the Hunters Point Shipyard Center. Future Phase (west of Bayshore/Arleta): Continuation of exclusive bus lanes, transit signal priority, and high-quality stations west to Santos St., connecting with Muni Forward transit priority improvements. This near-term alternative does not rely on the full extension of Geneva Avenue across US 101 to Harney Way. The project includes pedestrian and bicycle improvements in support of Vision Zero.	\$ 68.1		2022	2024	\$ 68.1	E, F, G, J, K
23	Historic Streetcar Extension - Fort Mason to 4th & King	SFMTA	The project would extend historic streetcar service by extending either the E-line or the F-line service from Fisherman's Wharf to Fort Mason, using the historic railway tunnel between Van Ness Ave. and the Fort Mason Center. The project will seek non-transit specific funds and will seek to improve the historic streetcar operation as an attractive service for tourists and visitors.	\$ 68.9		2026	2030	\$ 68.9	G, K
24	Caltrain Downtown Extension, part of the Caltrain Business Plan <sup>4</sup>	TJPA	Extension of Caltrain commuter rail service from its current San Francisco terminus at 4th & King Streets to a new underground terminus.	\$ 3,935.0		2022	2029	\$ 3,935.0	H, K, M
25	Caltrain Enhanced Service Growth <sup>4</sup>	Caltrain	TBD. Caltrain is working to include enhanced service levels that maximize the use of available infrastructure and more fully serve expected market demand on the corridor. This is an incremental advancement of Caltrain's overall 2040 Service Vision, and would allow maximum use of the Downtown Extension (project 24), once that project is open.	TBD	TBD	TBD	TBD	TBD	K, M
26	BART Core Capacity <sup>5</sup>	BART	San Francisco contribution to the regional project (does not reflect full project cost)	\$ 3,536.4				\$ 3,536.4	G, H, K, M
27	Financing Costs	SF						\$ 250.0	n/a

<sup>1</sup>Project sponsor agencies: SFCTA: San Francisco County Transportation Authority; SFMTA: San Francisco Municipal Transportation Agency; SFPW: San Francisco Public Works; OCIL: Office of Community Investment and Infrastructure; TJPA: Transbay Joint Powers Authority; Port of SF: Port of San Francisco; BART: Bay Area Rapid Transit

<sup>2</sup>Project costs are displayed in millions of year-of-expenditure dollars.

<sup>3</sup>O+M stands for Operations and Maintenance.

<sup>4</sup>We are working with Caltrain to seek packaging of the Caltrain Enhanced Service Growth and Downtown Extension projects as part of a complimentary package of projects supporting the Caltrain Business Plan Service Vision.

<sup>5</sup>Full BART Core Capacity project cost not included in SF Projects Total; assumes \$50M SF contribution.



**Attachment 2a - San Francisco's Draft Fiscally Constrained PBA 2050 Project List  
Project and Program Descriptions**



**San Francisco  
County Transportation  
Authority**

	Column A	B	C	D	E	F	G	H	J
	PBA 2050 Projects and Programs	Project Sponsor <sup>1</sup>	Project Description	Capital Cost <sup>2</sup>	Annual Average O+M <sup>3</sup> Cost <sup>2</sup>	First Year Construction	First Year Operations / Open for Use	Total Cost <sup>2</sup> incl. O+M <sup>3</sup>	Supports MTC/ABAG's Transportation Strategies
101	Bicycle and Pedestrian Program	SF	new and extended bike and pedestrian facilities, such as: quick-build projects, Taylor Street and Valencia Street Long-Term Improvements					\$ 165.0	E, F
102	Intersection Improvements	SF	intersection signalization					\$ 140.0	E, F
103	Local Road Preservation and Rehabilitation	SF	pavement resurfacing and/or rehabilitation, emergency repair, bike/pedestrian facilities rehabilitation					***	A
104	Management Systems	SF	signal coordination, transit management systems, communications systems					\$ 90.0	G, K
105	Minor Highway Improvements	SF	minor extensions (less than 1/4 mile) and interchange modifications without additional capacity (such as Vision Zero Ramps, underpass at Alana and US-101, etc.)					\$ 90.0	E, F, N
106	Minor Roadway Expansions	SF	minor local road extensions or new lanes less than 1/4 mile					\$ 175.0	E, F
107	Minor Transit Improvements	SF	bus shelters, landscaping, bus bulbs, alternative fuel transit vehicles and facilities					\$ 375.0	G, K
108	Multimodal Streetscape Improvements	SF	landscaping, lighting, parking realignment, ADA compliance					\$ 130.0	E, F
109	Planning and Research	SF	may include: Southeast San Francisco Caltrain Station Relocation Planning and Environmental Analysis, PDA planning, community-based planning, emerging mobility research and studies					\$ 57.0	E, F, J, K, L, M
110	Routine Operations & Maintenance	SF	transit operations, local streets and roads operations					***	A
111	Safety and Security	SF	Safe Routes to School projects and programs, lighting improvements, transit safety projects					\$ 200.0	E, F
112	Transit Corridors Long-Range Planning	SF	planning and environmental studies (e.g. West Side Rail Study, Central Subway Extension, Pennsylvania Alignment, 19th\VM-line Subway)					\$ 120.0	E, F, J, K, L, M
113	Transit Operations	SF	additional support for transit operations in San Francisco					***	A
114	Transit Preservation and Rehabilitation	SF	vehicle maintenance, facility maintenance					***	A
115	Travel Demand Management and Climate Program	SF	e.g. BART Perks, alternative fuel vehicles and facilities					\$ 30.0	B, C, E, F, K, M

\*\*\* All operations and maintenance costs and expenditures on existing systems are captured in MTC's needs assessment process.

	<b>TOTAL COST OF SF PROJECTS AND PROGRAMS</b>							<b>\$ 15,785.3</b>	
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<b>MTC/ABAG'S TRANSPORTATION STRATEGIES (Column J)</b>	
	<b>Draft Blueprint Transportation Strategies</b>
A.	Operate and maintain the existing system
B.	Enable seamless mobility with unified trip planning and fare programs
C.	Reform regional transit fare policy
D.	Implement per-mile tolling on congested freeways with transit alternatives
E.	Build a complete streets network
F.	Advance regional Vision Zero policy through street design and reduced speeds
G.	Advance low-cost transit projects
H.	Build new Transbay rail crossing
	<b>Other Transportation Strategies</b>
J.	Build a next generation bus rapid transit network
K.	Make strategic modernization & expansion investments for public transit
L.	Extend the regional rail network
M.	Increase existing rail capacity and frequency by modernizing the network
N.	Build carpool lanes & address interchange bottlenecks

**Attachment 2b - San Francisco's Draft Fiscally Constrained PBA 2050 Project List  
Project and Program Funding<sup>2</sup>**



**San Francisco  
County Transportation  
Authority**

	Column A	B	D	E	H	K	L	M	N	O	P	Q
	PBA 2050 Projects and Programs	Project Sponsor <sup>1</sup>	Capital Cost <sup>2</sup>	Annual Average O+M <sup>3</sup> Cost <sup>2</sup>	Total Cost <sup>2</sup> incl. O+M <sup>3</sup>	Funding Prior to 2021	2021-2035 Committed Funding	2021-2035 County Budget	2021-2035 Regional Discretionary Request	2036-2050 Committed Funding	2036-50 County Budget	2036-2050 Regional Discretionary Request
1	Expand SFMTA Transit Fleet - LRV (Core Capacity)	SFMTA	\$ 204.3		\$ 204.3	\$ -	\$ 56.0	\$ 74.2	\$ 74.2	\$ -	\$ -	\$ -
2	Muni Train Control Upgrade (Core Capacity)	SFMTA	\$ 297.0	\$ 10	\$ 397.0	\$ 16.1	\$ 30.8	\$ 116.7	\$ 233.4	\$ -	\$ -	\$ -
3	Muni Forward: Core Capacity Rail	SFMTA	\$ 117.0		\$ 117.0	\$ -	\$ 49.8	\$ 7.2	\$ 60.0	\$ -	\$ -	\$ -
4	Muni Forward + Frequency Increase (other)	SFMTA	\$ 303.5	\$ 76.9	\$ 2,508.9	\$ 157.6	\$ 144.3	\$ 249.5	\$ 249.5	\$ 495.3	\$ 606.3	\$ 606.3
5	Expand SFMTA Transit Fleet - Buses	SFMTA	\$ 259.5		\$ 259.5	\$ -	\$ 15.0	\$ 48.9	\$ 195.6	\$ -	\$ -	\$ -
6	Expand SFMTA Transit Fleet - Facilities	SFMTA	\$ 293.0		\$ 293.0	\$ -	\$ 50.0	\$ 121.5	\$ 121.5	\$ -	\$ -	\$ -
7	Treasure Island Congestion Pricing	SFCTA	\$ 32.0	\$ 40.2	\$ 1,303.7	\$ 9.6	\$ 355.7	\$ -	\$ 47.4	\$ 891.0	\$ -	\$ -
8	Downtown SF Congestion Pricing	SFCTA	\$ 125.0	\$ 25.0	\$ 1,089.0	\$ 2.0	\$ 320.2	\$ 62.0	\$ 61.0	\$ 643.8	\$ -	\$ -
9A	US-101/I-280 Express Lanes	SFCTA	\$ 184.0		\$ 184.0	\$ -	\$ -	\$ 23.0	\$ 161.0	\$ -	\$ -	\$ -
9B	US-101/I-280 Regional/Local Express Bus to Support Express Lanes in SF	SFCTA	\$ 10.0	\$ 7.0	\$ 265.0	\$ -	\$ 80.0	\$ 2.0	\$ 8.0	\$ 175.0	\$ -	\$ -
10	San Francisco Late Night Transportation Improvements	SFCTA	\$ -	\$ 3.8	\$ 146.0	\$ -	\$ 14.0	\$ 11.5	\$ 22.9	\$ 28.3	\$ 34.6	\$ 34.6
11	Mission Bay Ferry Landing	Port of SF	\$ 58.4		\$ 58.4	\$ 7.0	\$ 9.7	\$ 16.7	\$ 25.0	\$ -	\$ -	\$ -
12	Better Market Street Transportation Enhancements	SFPW / SFMTA	\$ 297.6		\$ 297.6	\$ 38.5	\$ 8.1	\$ 151.1	\$ 100.0	\$ -	\$ -	\$ -
13	Geary Boulevard Improvement Project	SFMTA	\$ 235.0	\$ 11.0	\$ 732.0	\$ 46.1	\$ 57.9	\$ 194.0	\$ 125.0	\$ 89.6	\$ 169.4	\$ 50.0
14	Van Ness Avenue Bus Rapid Transit	SFMTA	\$ 225.2		\$ 169.6	\$ 159.9	\$ 9.7	\$ -	\$ -	\$ -	\$ -	\$ -
15	Parkmerced Transportation Improvements	SFMTA	\$ 99.0		\$ 99.0	\$ -	\$ 99.0	\$ -	\$ -	\$ -	\$ -	\$ -
16	Alemany Roadway Redesign and Ramp Reconfiguration	SFCTA	\$ 250.0		\$ 250.0	\$ -	\$ -	\$ 125.0	\$ 125.0	\$ -	\$ -	\$ -
17	Balboa Park Station Area - Closure of Northbound I-280 On-Ramp from Geneva Avenue	SFCTA	\$ 6.0		\$ 6.0	\$ -	\$ -	\$ 6.0	\$ -	\$ -	\$ -	\$ -
18	Balboa Park Station Area - Southbound I-280 Off-Ramp Realignment at Ocean Avenue	SFCTA	\$ 20.5		\$ 20.5	\$ 2.3	\$ -	\$ 18.3	\$ -	\$ -	\$ -	\$ -
19	Yerba Buena Island (YBI) I-80 Interchange Improvement	SFCTA	\$ 280.8		\$ 280.8	\$ 181.2	\$ 62.6	\$ -	\$ 36.9	\$ -	\$ -	\$ -
20	Southeast Waterfront Transportation Improvements - Phase 1	SFPW / OCII	\$ 268.5	\$ 18.0	\$ 659.0	\$ 2.0	\$ 108.8	\$ 94.2	\$ 100.0	\$ 102.7	\$ 176.4	\$ 75.0
21	Hunters Pt Shipyard and Candlestick Pt Local Roads	SFPW / OCII	\$ 501.0		\$ 501.0	\$ 70.0	\$ 431.0	\$ -	\$ -	\$ -	\$ -	\$ -

**Attachment 2b - San Francisco's Draft Fiscally Constrained PBA 2050 Project List  
Project and Program Funding<sup>2</sup>**



**San Francisco  
County Transportation  
Authority**

	Column A	B	D	E	H	K	L	M	N	O	P	Q
	PBA 2050 Projects and Programs	Project Sponsor <sup>1</sup>	Capital Cost <sup>2</sup>	Annual Average O+M <sup>3</sup> Cost <sup>2</sup>	Total Cost <sup>2</sup> incl. O+M <sup>3</sup>	Funding Prior to 2021	2021-2035 Committed Funding	2021-2035 County Budget	2021-2035 Regional Discretionary Request	2036-2050 Committed Funding	2036-50 County Budget	2036-2050 Regional Discretionary Request
22	Geneva-Harney Bus Rapid Transit	SFMTA	\$ 68.1		\$ 68.1	\$ -	\$ -	\$ 18.1	\$ 50.0	\$ -	\$ -	\$ -
23	Historic Streetcar Extension - Fort Mason to 4th & King	SFMTA	\$ 68.9		\$ 68.9	\$ 0.9	\$ -	\$ 68.0	\$ -	\$ -	\$ -	\$ -
24	Caltrain Downtown Extension, part of the Caltrain Business Plan <sup>4</sup>	TJPA	\$ 3,935.0		\$ 3,935.0	\$ 194.2	\$ 1,068.5	\$ 350.0	\$ 2,322.3	\$ -	\$ -	\$ -
25	Caltrain Enhanced Service Growth <sup>4</sup>	Caltrain	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD
26	BART Core Capacity <sup>5</sup>	BART	\$ 3,536.4		\$ 3,536.4			\$ 50.0				
27	Financing Costs	SF			\$ 250.0			\$ 250.0				

<sup>1</sup>Project sponsor agencies: SFCTA: San Francisco County Transportation Authority; SFMTA: San Francisco Municipal Transportation Agency; SFPW: San Francisco Public Works; OCII: Office of Community Investment and Infrastructure; TJPA: Transbay Joint Powers Authority; Port of SF: Port of San Francisco; BART: Bay Area Rapid Transit

<sup>2</sup>Project costs are displayed in millions of year-of-expenditure dollars.

<sup>3</sup>O+M stands for Operations and Maintenance.

<sup>4</sup>We are working with Caltrain to seek packaging of the Caltrain Enhanced Service Growth and Downtown Extension projects as part of a complimentary package of projects supporting the Caltrain Business Plan Service Vision.

<sup>5</sup>Full BART Core Capacity project cost not included in SF Projects Total; assumes \$50M SF contribution.

**Attachment 2b - San Francisco's Draft Fiscally Constrained PBA 2050 Project List  
Project and Program Funding<sup>2</sup>**



**San Francisco  
County Transportation  
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	Column A	B	D	E	H	K	L	M	N	O	P	Q
	PBA 2050 Projects and Programs	Project Sponsor <sup>1</sup>	Capital Cost <sup>2</sup>	Annual Average O+M <sup>3</sup> Cost <sup>2</sup>	Total Cost <sup>2</sup> incl. O+M <sup>3</sup>	Funding Prior to 2021	2021-2035 Committed Funding	2021-2035 County Budget	2021-2035 Regional Discretionary Request	2036-2050 Committed Funding	2036-50 County Budget	2036-2050 Regional Discretionary Request
101	Bicycle and Pedestrian Program	SF			\$ 165.0			\$ 95.0			\$ 70.0	
102	Intersection Improvements	SF			\$ 140.0			\$ 80.0			\$ 60.0	
103	Local Road Preservation and Rehabilitation	SF			***			***			***	
104	Management Systems	SF			\$ 90.0			\$ 60.0			\$ 30.0	
105	Minor Highway Improvements	SF			\$ 90.0			\$ 50.0			\$ 40.0	
106	Minor Roadway Expansions	SF			\$ 175.0			\$ 175.0			\$ -	
107	Minor Transit Improvements	SF			\$ 375.0			\$ 275.0			\$ 100.0	
108	Multimodal Streetscape Improvements	SF			\$ 130.0			\$ 80.0			\$ 50.0	
109	Planning and Research	SF			\$ 57.0			\$ 40.0			\$ 17.0	
110	Routine Operations & Maintenance	SF			***			***			***	
111	Safety and Security	SF			\$ 200.0			\$ 150.0			\$ 50.0	
112	Transit Corridors Long-Range Planning	SF			\$ 120.0			\$ 100.0			\$ 20.0	
113	Transit Operations	SF			***			***			***	
114	Transit Preservation and Rehabilitation	SF			***			***			***	
115	Travel Demand Management and Climate Program	SF			\$ 30.0			\$ 10.0			\$ 20.0	

\*\*\* All operations and maintenance costs and expenditures on existing systems are captured in MTC's needs assessment process.

<b>PROJECT AND PROGRAM TOTALS</b>					<b>\$ 15,785.3</b>	<b>\$ 887.3</b>	<b>\$ 2,971.1</b>	<b>\$ 3,172.7</b>	<b>\$ 4,118.7</b>	<b>\$ 2,425.7</b>	<b>\$ 1,443.7</b>	<b>\$ 766.0</b>
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**Total County Budget: \$ 4,617.1** *Sum of Column M and P*

Includes County Budget from MTC and other locally-controlled sources, primarily including Prop B population-based set-aside to SFMTA and developer fees.