

**CORE CAPACITY  
TRANSIT STUDY**






## CCTS: Prerequisite Projects

The following lists include projects already identified by transit operators to enable increased capacity along lines serving the San Francisco Core.

Some projects have achieved full funding commitments and are in stages of final design, construction and implementation in the short term (Tier 1 projects). Others projects have varying levels of funding commitments but are not yet fully funded (Tier 2 projects).

### Transbay: Prerequisite Tier 1 and 2 Projects

Tier	Timeframe	Sponsor	Project	Project Details
1	Short Term <sup>1</sup>	AC Transit	AC Transit Bus Ramp to Transbay terminal	Direct, dedicated bus-only ramp from Bay Bridge into Transbay Transit Center
1	Short Term	AC Transit	AC Transit Richmond Facility Reopening	Reopening of the Richmond bus facility to support current operations
1	Short Term	BART	BART Additional Cars – Fleet Transition	Additional BART cars to support Fleet Transition Plan. Shown as capacity increase on Figure 2 and 3.
1	Short Term	WETA	WETA Maintenance Facilities Alameda, Vallejo	Construct maintenance facilities in Vallejo & Alameda
1	Short Term	WETA	WETA Richmond-SF Ferry Service	Implements ferry service from Richmond to San Francisco as identified in the Water Transit Authority's Implementation and Operations Plan. Shown as capacity increase on Figure 2 and 3.
1	Short Term	WETA	WETA SF Ferry Terminal Expansion	Expand Downtown San Francisco terminal by two floats, increase landside queuing and staging area.

<sup>1</sup> Short term is defined in the CCTS as the period from 2015-2020

Tier	Timeframe	Sponsor	Project	Project Details
1	Short Term	WETA	WETA Fleet Replacement and Expansion	Replacement and new vessels to support Richmond service and retire aging vessels.
1	Short Term	Caltrans	I-80 Integrated Corridor Mobility	ITS -- travel time reliability, congestion reduction.
1	Short Term	TJPA	Transbay Terminal (Phase 1)	At existing site (with Caltrain connection) or replacement bus terminal at Howard, Main, Beale Streets.
2	Short Term	AC Transit	AC Transit Fleet Expansion	Expands AC Transit's fleet by 40 high capacity buses. Shown as capacity increase on Figure 2 and 3.
2	Short Term	AC Transit	AC Transit West County Bus Facility	Relocation and expansion of AC Transit's Division 3 bus facility and redevelopment of the current site as a transit oriented development
2	Short Term	BART	BART Additional Railcars – Core Capacity	Core Capacity expansion of BART's railcar fleet, including: <ul style="list-style-type: none"> <li>• Expansion fleet for train length (75 cars) approved as part of Core Capacity Challenge Grant Program, and included in BART's FTA Core Capacity Project</li> <li>• Expansion fleet (231 cars) for more frequent headways as part of BART's FTA Core Capacity Project</li> </ul>
2	Short Term	BART	BART Hayward Maintenance Complex, Phase 1	Includes acquisition and use of four warehouses outside of the current west boundary of the yard. Enlarged vehicle Inspection area and additional connecting track, track crossovers, and switches.

Tier	Timeframe	Sponsor	Project	Project Details
2	Medium <sup>2</sup> Term	BART	BART Metro Program	Increased service: 12-minute peak period headways, express trains between Daly City and SFO Infrastructure: Glen Park turnback, Richmond crossover, Bayfair connector, Daly City tracking
2	Medium Term	BART	BART Traction Power System	Upgrade traction power system to support 30 TPH capability through Transbay Tube. Included in BART's FTA Core Capacity Project. Shown as capacity increase on Figure 2 and 3.
2	Medium Term	BART	BART Train Control System	New train control system to provide 30 TPH capability through Transbay Tube. Included in BART's FTA Core Capacity Project. Shown as capacity increase on Figure 2 and 3.
2	Medium Term	BART	Hayward Maintenance Complex Phase 2	Construct new eastside train storage facilities for the additional railcars purchased for capacity expansion. Included in BART's FTA Core Capacity Project.

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<sup>2</sup> Medium term is defined in the CCTS as the period from 2020-2030

### San Francisco Metro: Prerequisite Tier 1 and 2 Projects

Tier	Timeframe	Sponsor	Project	Project Details
1	Short Term	SFMTA	SFMTA Central Subway	Extends the Third Street Light Rail line 1.7 mi, entering a new Central Subway and running underground. New underground stations located at 4th & Brannan, Yerba Buena/Moscone Center, Union Square/Market Street, and Chinatown.
1	Short Term	SFMTA	SFMTA Candlestick and Hunters Point Express Bus Service	Bus service from Candlestick Point and Hunters Point Shipyard to Transbay Terminal.
1	Short Term	SFMTA	SFMTA Muni Forward	Transit priority improvements, service increases, transfer and terminal investments, overhead wire changes, and street improvements in support of Vision Zero.
1	Short Term	SFMTA	SFMTA Van Ness Avenue Bus Rapid Transit	Dedicated lane for BRT buses in each direction between Mission and Lombard Streets. There will be nine BRT stations, along the corridor.
1	Short Term	SFMTA	SFMTA SFgo	Program to identify signalized and non-signalized intersections and prioritize them for ITS upgrades
1	Short Term	SFMTA	SFMTA T-Third Mission Bay Loop	Connect the rail turnouts from the existing tracks on Third Street at 18th and 19th Streets with additional rail and overhead contact wire system on 18th, Illinois and 19th Streets.
1	Short Term	SFMTA	SFMTA 16th Street Corridor Transit Priority	Transit priority treatments for the 22-Fillmore route along 16th Street between the intersection of Church and Market Streets and a new terminal in Mission Bay.

Tier	Timeframe	Sponsor	Project	Project Details
2	Short Term	BART	BART Hayward Maintenance Complex, Phase 1	Includes acquisition and use of four warehouses outside of the current west boundary of the yard. Enlarged vehicle Inspection area and additional connecting track, track crossovers, and switches.
2	Short Term	SFMTA	SF Better Market Street	May include changes to surface transit, including extended transit-only lanes and new stop locations, spacing and boarding islands; and changes to roadway configuration.
2	Short Term	SFMTA	SFMTA Fleet Expansion (light rail and bus)	<ul style="list-style-type: none"> <li>• Expands Muni's light rail vehicle fleet by 74 cars: 24 for the Central Subway 50 to increase capacity on existing lines</li> <li>• Expands Muni's bus fleet by 110 60' articulated buses, purchases larger buses for existing 40' bus routes</li> </ul>
2	Short Term	SFMTA	SFMTA Muni Forward Phase 2	
2	Medium Term	BART	BART Additional Railcars – Core Capacity	<p>Core Capacity expansion of BART's railcar fleet, including:</p> <ul style="list-style-type: none"> <li>• Expansion fleet for train length (75 cars) approved as part of Core Capacity Challenge Grant Program, and included in BART's FTA Core Capacity Project</li> <li>• Expansion fleet (231 cars) for more frequent headways as part of BART's FTA Core Capacity Project</li> </ul>
2	Medium <sup>3</sup> Term	BART	BART Metro Program	Increased service: 12-minute peak period headways, express trains between Daly City and SFO

<sup>3</sup> Medium term is defined in the CCTS as the period from 2020-2030

Tier	Timeframe	Sponsor	Project	Project Details
				Infrastructure: Glen Park turnback, Richmond crossover, Bayfair connector, Daly City tracking
2	Medium Term	BART	BART Traction Power System	Upgrade traction power system to support 30 TPH capability through Transbay Tube. Included in BART's FTA Core Capacity Project. Shown as capacity increase on Figure 2 and 3.
2	Medium Term	BART	BART Train Control System	New train control system to provide 30 TPH capability through Transbay Tube. Included in BART's FTA Core Capacity Project. Shown as capacity increase on Figure 2 and 3.
2	Medium Term	BART	Hayward Maintenance Complex Phase 2	Construct new eastside train storage facilities for the additional railcars purchased for capacity expansion. Included in BART's FTA Core Capacity Project.
2	Medium Term	Caltrain	Caltrain Electrification	Provide for operation of up to 6 Caltrain trains per peak hour per direction (increased from 5 trains).
2	Medium Term	Caltrain	Caltrain CalMod 2.0	Improve performance, reduce pollutants, improve operations, capacity, service and reduce dwell time, -Full EMU Conversion, -Longer EMUs (8-car), Longer platforms, Level boarding
2	Medium Term	Caltrain	Caltrain Operations Improvements – North Terminal	
2	Medium Term	SFMTA	SFMTA Transit Facilities Improvements	Proposed improvements to Muni Metro East (MME) Maintenance Facility, Burke Central Parts

Tier	Timeframe	Sponsor	Project	Project Details
				Warehouse, and Woods Maintenance.
2	Medium Term	TJPA	Downtown Extension	Extend Caltrain from 4th & King St to Transbay Terminal, underground existing 4th & King to 2nd, under 2nd to Transbay, and with electrification.