OBAG 3 Regional Operations Programs Fact Sheets*

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Featured Programs and Projects

All Programs and Projects

*The Regional Programs featured in these fact sheets are consistent with the OBAG 3 overall program framework and Regional Program categories; however, future Commission actions are required to approve the specific funding amounts and projects within many of these programs.

1. Transit Priority – Highway Investments

OBAG 3 Category	Multimodal Systems Operations and Performance
Sub-Category	Transit Transformation Action Plan
Overview	Fund Forward/transit projects along highways to improve transit reliability
Funding	$13M

Goals and Objectives:

Transit priority highway investments include Blue Ribbon accelerated near-term actions to reduce transit delays, improve transit travel time reliability, and promote carpooling and transit ridership, increase vehicle occupancy to serve more people in fewer vehicles, while reducing greenhouse gas emissions.

Key Elements:

- HOV lane access modifications and enforcement
- HOV lane hours of operations and other operational policies
- Bus on shoulder lanes or part-time transit/bus lanes
- Bus/HOV queue jump lanes or extension of existing HOV lanes
- Technology systems to improve transit travel times and traveler information
- First and last mile strategies
- Demand management strategies

(I-80/Powell Street interchange and transit access improvements and I-80 westbound bus lane image)

Status: Programmed

In June 2022, the Commission programmed $13 million in OBAG 3 Regional Programs funding for Transit Priority – Highway Investments, as part of a $117 million programming action to support implementation of the Transit Transformation Action Plan. Specific projects will need to be identified and programmed through future action.
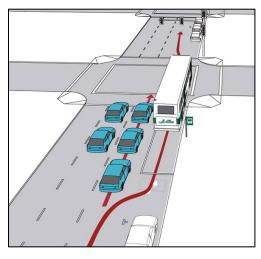
2. Transit Priority – Arterial Investments

OBAG 3 Category	Multimodal Systems Operations and Performance
Sub-Category	Transit Transformation Action Plan
Overview	Fund transit projects along arterials with high transit ridership and delays to improve transit speeds and reliability
Funding	$15M

Goals and Objectives:

This program focuses on projects, programs, and policies that enable buses to achieve travel time benefits over private automobiles. Strategies are aimed at increasing bus travel speeds and reliability, reducing travel time, and increasing transit ridership.

Key Elements:

- Deploy Transit Signal Priority (TSP) to allow buses to dynamically alter traffic signal timing (extend green time or truncate red time) to reduce bus delay at intersections
- Implement Transit Queue Jump Lanes to allow buses to move ahead of queued vehicles at a traffic signal
- Implement Transit-Only lanes to keep buses out of traffic along an entire corridor
- Relocate bus stops from near-side to far-side to reduce delays from traffic signals or improve safety
- Implement rapid bus improvements to reduce loading times such as level boarding and off-board fare payment

(Transit queue jump graphic)

Status: Programmed

In June 2022, the Commission programmed $15 million in OBAG 3 Regional Programs funding for Transit Priority – Arterial Investments, as part of a $117 million programming action to support implementation of the Transit Transformation Action Plan. Specific projects will need to be identified and programmed through future action.

3. Regional Mapping and Wayfinding

OBAG 3 Category	Multimodal Systems Operations and Performance
Sub-Category	Transit Transformation Action Plan
Overview	Implements harmonized mapping and wayfinding information in all transit environments
Funding	$3.6M

Goals and Objectives:

The Bay Area is a large region served by 27 transit operators that can be a confusing landscape to navigate by transit, especially when trips cross jurisdictional boundaries. Transit users must decipher a new set of maps, wayfinding, and other transit information for each leg of their journey. This is difficult for even the most experienced transit rider and a very high barrier for those who are inexperienced, have disabilities, are non-English speakers, or are new to transit. The Regional Mapping & Wayfinding Project aims to make it easier to navigate and explore the Bay Area using public transit and connecting services. The project has three main goals:

- Better information for travelers
- Better ways of working for providers
- Better outcomes for the region

Key Elements:

This project intends to standardize and harmonize regional mapping through regional design standards, a digital mapping services platform, standard products, and common branding. Near-term subregional pilots will inform the final design standards and business case updates needed prior to the wider Bay Area rollout.

Regional Transit   Sub-Regional Transit   System   City Transit   Area   Destination

(Prototype Suite of Maps)

Status: Programmed

In June 2022, the Commission programmed $3.6 million in OBAG 3 Regional Programs funding for Regional Mapping and Wayfinding, as part of a $117 million programming action to support implementation of the Transit Transformation Action Plan. Specific projects will need to be identified and programmed through future action.

4. Forward Programs and Resilient SR 37

OBAG 3 Category	Multimodal Systems Operations and Performance
Sub-Category	Multimodal Systems Programs
Overview	Implement near-term and cost-effective strategies to encourage mode shift towards carpool and transit, and to provide safety and operational improvements
Funding	$33M

Goals and Objectives:

Forwards and Resilient SR 37 is a suite of cost-effective and technology-based strategies aimed at maximizing the efficiency of the existing freeway and arterial systems through active traffic and demand management strategies. It includes transit priority and HOV lane strategies, pricing strategies, enhanced express bus services, park and ride facilities, safety and operational improvements that will maximize the efficiency of and increase person throughput on the Bay Area's congested corridors.

Key Elements:

- Bay Bridge Forward: Improve efficiency, reduce delays and move more people and buses across the most traveled bridge in the Bay Area.
- Napa Valley Forward: Provide operational and safety improvements along the SR-29 corridor.
- San Mateo Bridge Forward: Strategies to improve efficiency, reduce delays and encourage a mode shift on and near San Mateo Bridge.
- SR 37 Interim Project: Construct HOV lanes, implement bus transit, and tolling/pricing strategy to promote mode shift and reduce VMT

(Program branding graphics)

Status: Proposed/In Progress

Staff anticipates bringing a programming recommendation for this $33 million to the Commission this fall. Following approval of the overall amount, specific projects will need to be identified and programmed through future actions.
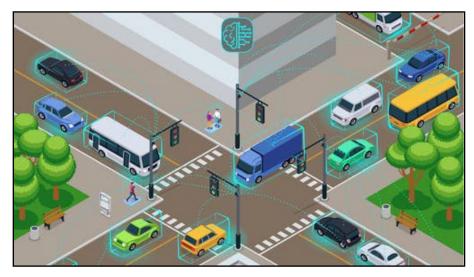
5. Multimodal Arterial Operations

OBAG 3 Category	Multimodal Systems Operations and Performance
Sub-Category	Multimodal Systems Programs
Overview	Improve transit and safety by providing funding and technical assistance to local agencies to deploy advanced technologies for arterial operations
Funding	$6.5M

Goals and Objectives:

Traditional technology improvements at arterial intersections focus on automobility. The COVID-19 pandemic has impacted transit ridership and the safety of people walking and biking. This new program would provide funding and technical assistance to local agencies to deploy advanced technologies for transit and active transportation.

Key Elements:

- New detection technologies
- Cloud signal priority and control
- Traffic control systems for safety
- Advanced data analytics

(Cloud signal priority and control illustration)

Status: Proposed/In Progress

Staff anticipates bringing a programming recommendation for this $6.5 million to the Commission in Fall 2022. Following approval of the overall amount, specific projects will need to be identified and programmed through future actions.
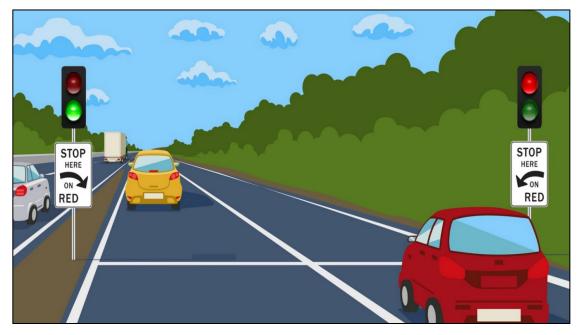
6. Optimized Freeway Corridor Operations

OBAG 3 Category	Multimodal Systems Operations and Performance
Sub-Category	Multimodal Systems Programs
Overview	Integrate traffic management and optimize operations in the corridor to provide safe, reliable, and efficient mobility for all system users
Funding	$6M

Goals and Objectives:

The I-880 corridor serves an integral role in the Bay Area transportation network by connecting Alameda County and Santa Clara County/Silicon Valley. A number of ITS/operational infrastructure currently exist or are planned for the corridor, including adaptive ramp metering, express lanes, incident management, and others. The existing and planned systems work primarily independently in their silos and are generally not integrated. This project aims to integrate traffic management and optimize operations in the corridor to provide safe, reliable, and efficient mobility for all system users.

Key Elements:

- Data sharing platform
- System integration
- Corridor operations optimization

(Adaptive ramp metering illustration)

Status: Proposed/In Progress

Staff anticipates bringing a programming recommendation for this $6 million to the Commission in Fall 2022. Following approval of the overall amount, specific projects will need to be identified and programmed through future actions.
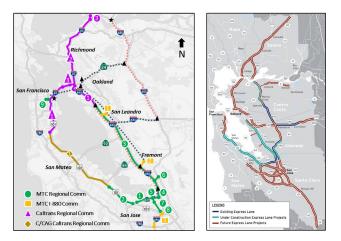
7. Connected Bay Area Program/Incident Management

OBAG 3 Category	Multimodal Systems Operations and Performance
Sub-Category	Multimodal Systems Programs
Overview	Establishes a regional fiber communications network and Incident Management strategies to enhance mobility and improve safety
Funding	$28.4M

Goals and Objectives:

MTC's Connected Bay Area Program aims to better connect people, agencies, and regional transportation telecommunication infrastructure with fast, reliable, resilient, cost-effective regional telecommunication network. The Program establishes the framework for regional telecommunication network that supports the Plan Bay Area transit operations with improved incident management, and transportation management systems across multiple jurisdictions.

Key Elements:

- Identify critical elements for reliable communication network around the Bay
- Optimize and unify communication improvement strategies across multiple systems
- Build fiber communication backbone around the San Francisco Bay to support transportation communication equipment
- Improve bandwidth and field equipment connectivity
- Connect transportation management systems to transportation management center
- Improve transportation management systems to support traffic incident management
- Establish framework for Bay Area traffic incident management and collaboration opportunities

(Regional Communications map and Bay Area Express Lanes network map)

Status: Proposed/In Progress

Staff anticipates bringing a programming recommendation for this $24.4 million to the Commission in Fall 2022. Following approval of the overall amount, specific projects may need to be identified and programmed through future actions.
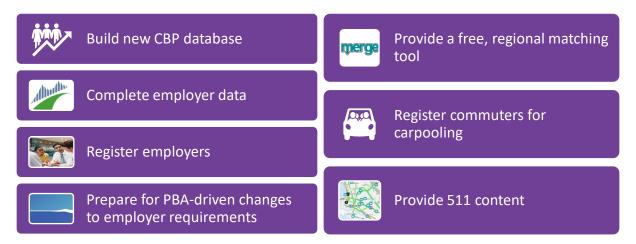
8. Commuter Benefits and Regional Carpool Program

OBAG 3 Category	Climate, Conservation, and Resilience
Sub-Category	Regional Transportation Demand Management (TDM)
Overview	The Commuter Benefits Program provides employer support and enforcement of the Commuter Benefits Ordinance. The Regional Carpool Program encourage carpool behavior through outreach, education, rewards, incentives, and carpool matching tools.
Funding	$13.4M

Goals and Objectives:

MTC's Bay Area Commuter Benefits Program addresses a regional need to monitor employer compliance with the Commuter Benefits Ordinance – a requirement to offer employee commuter benefits – and provides employers with information about how to comply. The program is also expected to play a large role in the implementation of the Plan Bay Area strategy to implement a more robust employer mandate. The carpool program's purpose is to provide a free, regional commuter carpool matching tool and encourage its use through marketing. The program also supports 511 and the vanpool Fastrak tag program. The program enhances the effectiveness of regional investment in HOV infrastructure.

Key Elements:

- Identify employers that need to comply with the CBO and get them registered.
- Play a role in the implementation of a future employer mandate
- Provide a free, regional carpool matching tool and register commuters in the tool
- Provide 511 content
- Coordinate with County Transportation Authority efforts

	Build new CBP database	merge	Provide a free, regional matching tool
	Complete employer data		Register commuters for carpooling
	Register employers		Provide 511 content
	Prepare for PBA-driven changes to employer requirements		

(Commuter Benefits Elements and Regional Carpool Elements graphic)

Status: Programmed

In June 2022, the Commission programmed $13.4 million in OBAG 3 Regional Programs funding for the Commuter Benefits and Regional Carpool Program.
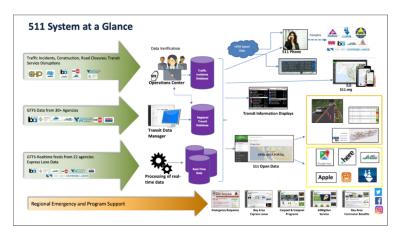
9. 511 Traveler Information Services

OBAG 3 Category	Climate, Conservation, and Resilience
Sub-Category	Regional Transportation Demand Management (TDM)
Overview	Support regional mobility by providing free multi-modal traveler information, data, and services
Funding	$14M

Goals and Objectives:

MTC, CHP and Caltrans provide transportation information via the 511 system to the traveling public based on motorists' needs and public transportation riders' needs, and in accordance with federal mandate. In addition, MTC utilizes the 511 dissemination channels for several other purposes: regional information portal; provision of transportation information during an emergency; and open data for public and private sector information providers.

Key Elements:

- Traveler Information - the traditional 511 functions of collecting, processing and providing traveler information on the 511.org website, the 511 phone, social media such as Twitter, and electronic Transit Information Displays at regional transit hubs.
- Acting as a regional information portal for traveler programs and services, such as the Bay Area Express Lanes Program, Bay Area Carpool and Vanpool Programs, the Bay Area Commuter Benefits Program, and the Pivot Point Commuter Hubs.
- Disseminating emergency transportation information.
- 511 Open Data Portal, which provides data for our regional transportation partners and for the private sector.

(*511 System at a Glance* infographic)

Status: Proposed/In Progress

Staff anticipates bringing a programming recommendation for this $14 million to the Commission in Fall 2022.

10. Bay Trail and Regional Bike/Pedestrian Access Planning and Implementation

OBAG 3 Category	Complete Streets and Community Choice
Sub-Category	Healthy, Safe, and Sustainable Streets
Overview	Planning, Equity Priority Community outreach, design, delivery, and O&M
Funding	$10M

Goals and Objectives:

- Update of the foundational Bay Trail planning and strategy to reflect the current mature network to improve equitable access and usage.
- Planning, design, and delivery of bike infrastructure projects that connect to regional corridors, regional transit, or Equity Priority Communities.
- Promote alternative mode of transportation with implementation of the Bay Skyway multi-use path to increase bicycle mode share and decrease the number of total vehicle miles traveled along the corridor at peak hours.

Key Elements:

- Bay Trail
  - Strategic planning
  - Equity strategy and outreach
  - Design and delivery
  - Data collection, operations, and maintenance
- Bay Skyway multi-use path
- Regional corridor and first/last mile bike access improvements

(New Bay Trail segment in Burlingame at Meta Campus image)

Status: Proposed/In Progress

Staff anticipates bringing a programming recommendation for this $10 million to the Commission in Fall 2022. Following approval of the overall amount, specific projects will need to be identified and programmed through future actions.

OBAG 3 Regional Operations Program List

Featured programs are highlighted

OBAG 3 Category - Multimodal Systems Operations and Performance

Subcategory - Transit Transformation Action Plan

Program	Description	Funding ($M)*
Transit Priority – Highway Investments	Fund Forward/transit projects along highways to improve transit reliability	$13
Transit Priority – Arterial Investments	Fund transit projects along arterials with high transit ridership and delays to improve transit speeds and reliability	$15
Regional Mapping and Wayfinding	Implements harmonized mapping and wayfinding information in all transit environments	$3.6

OBAG 3 Category - Multimodal Systems Operations and Performance

Subcategory - Multimodal Systems Programs

Program	Description	Funding ($M)*
Forwards and SR 37	Near-term and cost-effective strategies to encourage mode shift towards carpool and transit, and to provide safety and operational improvements	$33
Multimodal Arterial Operations	Support arterial technology deployments to enhance transit and safety	$6.5
Optimized Freeway Corridor Operations	Data sharing platform, system integration and corridor operations optimization	$6
Connected Bay Area Program/Incident Management	Establishes a regional fiber communications network and Incident Management strategies to enhance mobility and improve safety	$28.4
Clipper C2 Capital (Loan for RM3)	Procurement of Next Generation Clipper Equipment	$30
SamTrans Caltrain ROW Repayment	Program capacity for SamTrans projects (TBD) as part of MTC's Caltrain right-of-way (ROW) repayment arrangement	$7
Design Alternative Assessments (DAA)/Corridor Studies	Identify transit and operational strategies on key corridors to encourage mode shift and person throughput	$4

Program	Description	Funding ($M)*
Adaptive Ramp Metering Implementation	Implement Adaptive Ramp Metering along major corridors in Bay Area	$4
Shared Connected/Automated Vehicles and Technology	Support deployments of connected/automated vehicle technology to improve mobility equity	$1
Express Lanes START Pilot Evaluation/ Vehicle Occupancy Detection Pilot	A $2M multimodal systems approach to augment existing Express Lanes START pilot for means-based toll discount and vehicle occupancy detection on Express Lanes	$2
Regional ITS Architecture	Maintain a regional blueprint for ITS project coordination and integration	$2

OBAG 3 Category - Climate, Conservation, and Resilience

Subcategory - Regional Transportation Demand Management (TDM)

Program	Description	Funding ($M)*
Commuter Benefits Program	Provide employer support and enforcement of a requirement to offer employee commuter benefits.	$10
Regional Carpool Program	Provide a free, regional commuter carpool matching tool and encourage its use	$3.4
511 Traveler Information Services	Support regional mobility by providing free multi-modal traveler information, data, and services	$14
MTC SHIFT: TDM Tools for Employers	Help large employers shift workers' commute choices using technology-based solutions	$2
Bikeshare Supportive Project Planning, Design and Outreach; E-Bike Rebate Planning and Administration	Support for Bay Wheels and Bikeshare Capital Grant	$2

OBAG 3 Category - Complete Streets and Community Choice

Subcategory - Healthy, Safe, and Sustainable Streets

Program	Description	Funding ($M)*
Bay Trail and Regional Bike/Pedestrian Access Planning and Implementation	Planning, Equity Priority Community outreach, design, delivery, and O&M	$10
Active Transportation Plan Implementation	Includes supporting jurisdictions with quick-build active transportation project design and implementation	$5†

* Some funding amounts have already been approved by the Commission through previous actions and some are proposed for programming/approval in Fall 2022.

† Specific funding for quick-build to be determined pending completion of the Active Transportation Plan in Fall 2022