



METROPOLITAN  
TRANSPORTATION  
COMMISSION

Bay Area Metro Center  
375 Beale Street  
San Francisco, CA 94105  
TEL. 415.778.6700  
WEB www.mtc.ca.gov

## *Memorandum*

TO: Administration Committee

DATE: September 7, 2016

FR: Deputy Executive Director, Policy

RE: MTC Resolution No. 4224, Revised – FY 2016-17 Overall Work Program (OWP) Amendment No. 17-02

The FY 2016-17 OWP is being amended to add \$800,000 for a new FTA Section 5304 Sustainable Communities grant award and an additional \$400,000 in BATA local match for the Resilient Transportation System for Safe and Sustainable Communities project. This project will deliver a regional vulnerability assessment and adaptation strategies for the Bay Area's transportation infrastructure, Priority Development Areas, and Communities of Concern.

Attachment A is an excerpt to Amendment No. 17-02 to the FY 2016-17 Overall Work Program for MTC, ABAG and Caltrans. The proposed revision to MTC Resolution No. 4224 to add the Resilient Transportation System project is also attached.

The amended OWP must be approved before work can start on this project.

### **Recommendation**

Staff recommends that the Administration Committee refer MTC Resolution No. 4224, Revised, to the Commission for approval.

  
\_\_\_\_\_  
Alix A. Bockelman

Attachments

AB:bm

## **Work Element 1126: A Resilient Transportation System for Safe and Sustainable Communities**

### **A. Project Description**

#### **Objectives**

- Conduct a robust, region-wide assessment of the transportation system, Priority Development Areas (PDAs) and disadvantaged and vulnerable communities as identified in the State of California's CalEnviroScreen tool and MTC's Communities of Concern.
- Develop a suite of actions to be advanced at agency, local, regional, state and federal scales, including early and priority actions for transportation assets and services.
- Engage partners and stakeholders in an inclusive process where different ideas, values, and knowledge sets are leveraged to ensure that findings and outcomes are being addressed at appropriate scales, with a focus on robust representation and engagement of representatives of vulnerable and disadvantaged communities.
- Increase regional agreement on the tools, processes, models and data used in adaptation planning to build capacity among federal, state and local agencies, organizations to work together towards multi-benefit, shared solutions that are based in robust, inclusive assessments that can support the decision making necessary to take action.

#### **Description**

The 9-county Bay Area is made up of a range of diverse communities, economic centers, transportation and other major infrastructure located along the shoreline and that are highly vulnerable to current fluvial and coastal flooding and the threat of increased flooding due to sea level rise.

Through an inclusive approach involving key agencies and critical community stakeholders, this project will deliver a regional vulnerability assessment of, and adaptation strategies for, the Bay Area's transportation infrastructure, Priority Development Areas (PDA's) as identified in the Sustainable Communities Strategy (Plan Bay Area), and Communities of Concern as defined by the Metropolitan Transportation Commission.

#### **Background**

Some of the highest density development in the 9-County Bay Area is located on the shoreline, much of it on land fill. Many of these areas depend on ad-hoc shoreline protection that includes roadways and rail lines that are currently protecting communities and businesses. Without proactive intervention, a significant number of Caltrans assets, among other assets, in the Bay Area will be flooded by current and future conditions. In fact, the entire Bay Area transportation system is at risk, including local streets and roads, the airports, rail lines, ferry and transit services. Some of this infrastructure already experiences flooding during the winter months.

Multi-sector assessments, as have been conducted by the San Francisco Bay Conservation and Development Commission (BCDC) in partnership with the Metropolitan Transportation Commission (MTC) along with other critical stakeholders, are needed to understand the interconnected nature of our communities, our infrastructure and the relationship to the Bay shoreline. BCDC's Adapting to Rising Tides Program (ART) has developed a proven approach that will serve to advance a shared regional understanding of transportation and community vulnerability to flooding and sea level rise while identifying specific priority adaptation responses to protect transportation assets and the communities in which they serve. This information will be integrated into the Bay Area's Sustainable Communities Strategy, called Plan Bay Area, and in other appropriate regional planning documents.

A regional framework can support the development and demonstrate the interconnectedness of a foundational body of research, data and tools that can be used broadly across the region, and that ensures stakeholders are working from the same set of quality and verifiable data and accessing appropriate technical resources to arrive at a specific set of options and approaches to improve resiliency.

Additionally, this effort will serve to increase capacity within agencies and jurisdictions, and among community stakeholders, to incorporate adaptation strategies appropriately into work, as well as serve to strengthen relationships and increase consensus on actions. An important component of this work is a process by which partners from community-based and non profit organizations and residents of disadvantaged and vulnerable communities can help establish values and approaches that put the people and communities at the frontlines of climate impacts first.

## **B. Planning Factors Addressed**

Develop regional-level priorities for the protection of critical regional infrastructure and the communities they serve; Protect and enhance the environment; disadvantaged/vulnerable communities; improve safety, reliability and sustainability of the regional transportation system; develop successful models of ongoing public participation and education.

## **C. Previous Accomplishments**

### **Objectives**

- Same as above

### **Accomplishments**

Completed Work Products:

- Adapting to Rising Tides (ART) Alameda County project, 12 asset categories assessed and adaptation responses developed.
- Federal Highways Administration (FHWA) joint-agency (BCDC, MTC, Caltrans, BART) projects assessing sea level rise and extreme storm vulnerabilities of transportation infrastructure including streets, roads,

Commission Agenda Item 7b (Administration Committee Agenda Item 3b)  
 ATTACHMENT A  
 (Excerpt to Attachment A of Resolution No. 4224) Page 3

interstates, bike/pedestrian trails, BART, and Capitol Corridor, and the development of strategies to address identified vulnerabilities.

- ART Hayward Resilience Study of the southern Hayward shoreline including the Hayward approach to SR92.
- ART Oakland/Alameda Resilience Study of the Oakland Coliseum area and the Oakland International Airport.
- ART Contra Costa County project, 30 asset categories assessed and adaptation responses developed.
- Capitol Corridor JPA intercity passenger rail “hot spots” vulnerability assessment.
- BART FTA-funded sea level rise assessment.
- Stronger Housing, Safer Communities joint BCDC-ABAG analysis and development of strategies to reduce the risk of current and future housing and communities to earthquakes and flood hazards.
- San Mateo County vulnerability assessment (SeaChange San Mateo)
- Marin coast-side vulnerability assessment (C-SMART) and bayside assessment (BayWave, to be completed Fall 2016)
- ART regional sea level rise and shoreline analysis and mapping products (all nine counties by early 2017)

**Work Products**

**D. Work Plan (FY 2016-17)**

<b>Task No.</b>	<b>Task Description</b>	<b>Work Products</b>	<b>Start Date</b>	<b>End Date</b>
1	Project Initiation and Administration	-Kick off meeting -Project Charter -Consultant Selection Process -Refined Work Scope, Schedule and Budget	August 2016	December 2016
2	Working Group and Public Engagement	-Regional Working Group (RWG) Formed -Public Engagement Plan Established -RWG Meetings (12 or more) -Public Engagement Meetings (7 or more)	Nov 2016	April 2019
3	Conduct Regional Assessment of Transportation and Community Assets	-Transportation and Community Assets list -Climate impacts and scenarios -Maps of regional vulnerabilities Assessment Questions and Preliminary	Nov 2016	June 2019

		Vulnerability Assessment -Data and Information Gaps -Finalized Assessment Findings -Vulnerability and Consequences Statements		
4	Regional Assessment Framework	-Preliminary Transportation and Community Asset Indicators -Final Indicators -Draft Regional Assessment Framework -Final Regional Assessment Framework	Aug 2017	November 2018
5	Develop Strategies	-Preliminary Actions -Evaluation Criteria -Preliminary List of Priority Actions	Aug 2018	April 2019
6	Confirm and Implement Adaptation Actions	-Implementation Recommendations -List of Potential Sources of Funding -Strategies for Incorporation in the Sustainable Communities Strategy -Final Report	Aug 2018	June 2019
7	Quarterly Progress Reports and Invoicing	-Quarterly reporting to Caltrans -Regular invoicing	Sept 2016	June 2019

**E. Anticipated Future Activities (FY 2017-2018)**

- Anticipated Future Activities**
- Inclusion of findings in Plan Bay Area 2021 scenario development
  - Completion of multi-sector, county-scale sea level rise vulnerability assessments for all nine counties using a consistent approach such as Adapting to Rising Tides
  - Development of a Regional Adaptation Plan
  - Prioritized list of vulnerable Caltrans District 4 assets and actions to reduce those risks

Date: April 27, 2016  
W.I.: 1152  
Referred by: Administration Committee  
Revised: 09/28/16-C

ABSTRACT

Resolution No. 4224, Revised

This resolution approves MTC's Overall Work Program (OWP) for transportation planning activities in the nine-county San Francisco Bay Area for FY 2016-17, certifies that the planning process of the Metropolitan Transportation Commission is in conformance with the applicable joint metropolitan transportation planning and programming regulations of the U.S. Department of Transportation, and authorizes MTC's Executive Director to apply for and execute agreements with the U.S. Department of Transportation for grants to aid in the financing of the OWP.

Further discussion of the OWP is contained in the Executive Director's memorandum dated April 6, 2016.

Attachment C to the resolution was revised on September 28, 2016 to add a new FTA 5304 \$800,000 grant award and \$400,000 in BATA local match for the Resilient Transportation System for Safe and Sustainable Communities project.

Date: April 27, 2016  
W.I.: 1152  
Referred by: Administration Committee

Re: Overall Work Program for Fiscal Years 2016-17, Certification of Compliance with Requirements of Federal Metropolitan Transportation Planning and Programming Regulations, and Authorization to Apply for and Execute Agreements for Federal Grants.

METROPOLITAN TRANSPORTATION COMMISSION

RESOLUTION NO. 4224

WHEREAS, the Metropolitan Transportation Commission (MTC) is the regional transportation planning agency for the San Francisco Bay Area pursuant to Government Code Section 66500 *et seq.*; and

WHEREAS, MTC is also the designated Metropolitan Planning Organization (MPO) for the Bay Area and is charged with carrying out the metropolitan transportation planning and programming process required to maintain the region's eligibility for federal funds for transportation planning, capital improvements, and operations; and

WHEREAS, MTC has articulated goals and objectives for the region's transportation system through its current Regional Transportation Plan (RTP)/Sustainable Communities Strategy (SCS) entitled Plan Bay Area, which was adopted in July 2013; and

WHEREAS, MTC has developed, in cooperation with the State of California and with publicly-owned operators of mass transportation services, a work program for carrying out continuing, comprehensive, and cooperative transportation planning; and

WHEREAS, an Overall Work Program (OWP) for planning activities in the Bay Area for FY 2016-17 has been prepared by MTC, the Association of Bay Area Governments, and the California Department of Transportation; and

WHEREAS, the OWP for Fiscal Year 2016-17 includes MTC's unified work program for the fiscal year to achieve the goals and objectives in MTC's RTP; and

WHEREAS, MTC's Administration Committee has reviewed and recommended adoption of the OWP for FY 2016-17; and

WHEREAS, 23 CFR 450.334 requires that the designated MPO certify each year that the planning process is being conducted in conformance with the applicable requirements; and

WHEREAS, MTC desires to apply for and execute one or more agreements with the United States Department of Transportation (DOT) for a grant(s) to aid in the financing of MTC's unified work program for fiscal year 2016-17; now, therefore, be it

RESOLVED, that MTC does hereby adopt the FY 2016-17 OWP and proposed budget therein, attached hereto as Attachment A to this Resolution and incorporated herein as though set forth at length; and be it further

RESOLVED, that MTC certifies that MTC's planning process is addressing the major issues in the metropolitan area and will be conducted in accordance with 23 CFR 450.334 and the Fixing America's Surface Transportation Act (FAST Act) and applicable requirements that are set forth in Attachment B to this Resolution and incorporated herein as though set forth at length; and be it further

RESOLVED, that MTC's Administration Committee shall monitor, direct, and update the OWP as necessary during Fiscal Year 2016-17 and shall incorporate any amendments into appropriate supplements to the OWP; and be it further

RESOLVED, that the Executive Director or his designee is authorized to apply for and execute any agreements with DOT for grants to aid in the financing of MTC's unified work program included in Attachment A to this Resolution and to execute any subsequent amendments to such agreement(s) consistent with Attachment C to this Resolution; and be it further

RESOLVED, that the Executive Director or his designee is authorized to execute and file with such application assurances or other documentation requested by



DOT of MTC's compliance with applicable federal statutory and regulatory requirements;  
and be it further

RESOLVED, that the Executive Director or his designee is authorized to make administrative changes to the grant application(s) so long as such changes do not affect the total amount of the grant or scope of work.

METROPOLITAN TRANSPORTATION COMMISSION

A handwritten signature in black ink, appearing to read 'Dave Cortese', written over a horizontal line.

Dave Cortese, Chair

The above resolution was entered into by  
the Metropolitan Transportation Commission  
at a regular meeting of the Commission  
held in San Jose, California on April 27, 2016

Date: April 27, 2016  
W.I.: 1152  
Referred by: Admin

Attachment A  
Resolution No. 4224  
Page 1 of 1

Attachment A is the FY 2016-17 Overall Work Program for Planning Activities in the San Francisco Bay Area. Copies are on file at the MTC library.

Attachment B  
Resolution No. 4224  
Page 1 of 1

In accordance with 23 CFR 450.334 and 450.218, and the Fixing America's Surface Transportation Act (the "FAST Act"), Metropolitan Transportation Commission ("MTC"), the Metropolitan Planning Organization for the San Francisco Bay Area, hereby certifies that the transportation planning process is addressing the major issues in the metropolitan planning area, and is being conducted in accordance with all applicable requirements, including:

- (1) 23 U.S.C. 134 and 135, 49 U.S.C. 5303 and 5304, and Part 450 of Subchapter E of Chapter 1 of Title 23 of the Code of Federal Regulations;
- (2) In nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
- (3) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
- (4) 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- (5) Section 1101(b) of the FAST Act (Pub.L. 114-94) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
- (6) 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- (7) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
- (8) The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- (9) Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
- (10) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

Date: April 27, 2016  
W.I.: 1152  
Referred by: Admin  
Revised: 09/28/16-C

Attachment C  
Resolution No. 4224  
Page 1 of 1

Attachment C includes all amendments and supplements to the FY 2016-17 Overall Work Program for Planning Activities in the San Francisco Bay Area. Copies are on file at the MTC offices.

OWP Amendment No. 17-02 adds a new FTA Section 5304 \$800,000 grant award and \$400,000 local match funded by BATA for a Resilient Transportation System for Safe and Sustainable Communities.