



**METROPOLITAN
TRANSPORTATION
COMMISSION**

Agenda Item: 3

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Memorandum

TO: Administration Committee

DATE: September 2, 2015

FR: Executive Director

W.I.: 1152

RE: MTC Resolution No. 4183, Revised – FY 2015-16 Overall Work Program (OWP) Amendment

Staff requests that the Committee refer Resolution No. 4183, Revised, which amends the OWP in order to include a new grant.

The new anticipated grant award of \$4,060,000 is for the Connected Vehicle (CV) Program. The CV Program is a multimodal initiative that aims to enable safe, interoperable, and networked wireless communications among vehicles, infrastructure, and personal communications devices to improve safety, mobility, and environment.

In partnership with Caltrans, Los Angeles County Metropolitan Transportation Authority (LA Metro), and San Diego Association of Governments, MTC submitted a proposal to FHWA to become one of the sites selected to implement a program to pilot CV technologies. MTC expects the grant to be awarded sometime in September, and if we are successful, must immediately execute a contract to begin work on or before October 1, 2015. Committee approval of this OWP amendment will allow staff to execute a consultant contract with Iteris, Inc.

A detailed narrative for the Connected Vehicle (CV) Program is attached (Attachment A).

MTC's portion of the award is anticipated to be \$4,060,000, for the following budget expenditures:

Consultant Contracts	\$3,600,000
MTC Staff Costs	\$ 155,000
LA Metro Staff Costs	\$ 155,000
MTC Temp Staff costs	<u>\$ 150,000</u>
Total	\$4,060,000

The above grant is already included in the FY 2015-16 MTC Agency budget and needs to be included in the OWP.

Recommendation:

Staff recommends that the Administration Committee refer MTC Resolution No. 4183, Revised to the Commission for approval. If we are not successful in securing this grant, we will not present this resolution to the full Commission for final approval.



Steve Heminger

Work Element 1227: Connected Vehicle Program

Description

The Connected Vehicle (CV) Program is a multimodal initiative that aims to enable safe, interoperable, and networked wireless communications among vehicles, infrastructure, and personal communications devices to improve safety, mobility, and the environment. Selected by the Federal Highway Administration (FHWA) as one of the Connected Vehicle Pilot Deployment (CVPD) sites, the CVPD will be delivered through a partnership with other State agencies, including Caltrans, Los Angeles County Metropolitan Transportation Authority (METRO) and the San Diego Association of Governments (SANDAG), under the *One California* name. While the *One California* proposal would be implemented in three phases – 1) Concept Development; 2) Design and Build; and 3) Operate, Maintain, and Evaluate – the current work scope and budget covers Phase 1 only.

Tasks

- Complete tasks to support Phase I of the *One California* CVPD project. Tasks include development of the pilot deployment concept of operations, system requirements, partnership finalization, and other plans and documentation that will need to be delivered and approved before FHWA will authorize future work.
 - Task 1 – Program Management: Draws on the application of the Project Management Institute's (PMI) Project Management Body of Knowledge (PMBOK) best practices to meet FHWA-specified project management requirements for this program.
 - Task 2 – Pilot Deployment Concept of Operations (ConOps): Refine and improve the proposed pilot deployment concept and document the complete Pilot Deployment Concept of Operations.
 - Task 3 – Security Management Operating Concept (SMOC): As a companion document to the ConOps, develop a document to describe the underlying needs of the Pilot Deployment to protect the privacy of users, ensure secure operations, and outline a concept that addresses these needs.
 - Task 4 – Safety Management Plan: Develop a plan to ensure quantitative performance measurement against identified targets is embedded as a core pilot deployment capability.
 - Task 5 – Performance Measurement and Evaluation Support Plan: Monitor and report on the impact of the deployment on a set of key performance measures as identified in Task 2.
 - Task 6 – Pilot Deployment System Requirements: develop a System Requirements Specification (SyRS) Document based on the COR-approved ConOps, following the guidance in IEEE Standard 1233-1998.
 - Task 7 – Application Deployment Plan (ADP): Systematically assess the requirements to incorporate into the selected applications as a part of the deployment concept.

Attachment A

- Task 8 – Human Use Approval: Obtain Human Use Approval from an accredited Institutional Review Board (IRB) and appropriate grants for IRB approval for all human participation within the Pilot Deployment.
- Task 9 – Participant Training and Stakeholder Education Plan: Prepare a high-level plan for the recruitment and training of all travelers, drivers, and other personnel participating in the Pilot Deployment.
- Task 10 – Partnership Coordination and Finalization: Document the status of developing and implementing agreements, contracts and subcontracts among partner organizations in a Partnership Status Summary
- Task 11 – Outreach Plan: Prepare a high-level plan for the management of Outreach activities in the Deployment Phases (Phase 2 and Phase 3), consistent with the Comprehensive Pilot Deployment Plan as described in Task 12.
- Task 12 – Comprehensive Pilot Deployment Plan: prepare a Comprehensive Pilot Deployment Plan. Drawing on all materials prepared in Tasks 2-11, this plan shall summarize the overarching pilot deployment concept and expected outcomes.
- Task 13 – Deployment Readiness Summary, Phase I: prepare a Deployment Readiness Summary, addressing the key elements of the Pilot deployment required to initiate the Design/Build/Test Phase of the effort.

Major Products

Delivery Dates

Connected Vehicle Pilot Deployment

9/30/16

- | | |
|--|---------|
| • Task 1 – Program Management | 9/30/16 |
| • Task 2 – Pilot Deployment Concept of Operations (ConOps) | 3/1/16 |
| • Task 3 – Security Management Operating Concept (SMOC) | 3/1/16 |
| • Task 4 – Safety Management Plan | 3/1/16 |
| • Task 5 – Performance Measurement and Evaluation Support Plan | 4/1/16 |
| • Task 6 – Pilot Deployment System Requirements | 6/1/16 |
| • Task 7 – Application Deployment Plan (ADP) | 7/1/16 |
| • Task 8 – Human Use Approval | 8/1/16 |
| • Task 9 – Participant Training and Stakeholder Education Plan | 8/1/16 |
| • Task 10 – Partnership Coordination and Finalization | 8/1/16 |
| • Task 11 – Outreach Plan | 7/1/16 |
| • Task 12 – Comprehensive Pilot Deployment Plan | 8/1/16 |
| • Task 13 – Deployment Readiness Summary, Phase I | 9/1/16 |

No CPG funds used

Date: April 22, 2015
W.I.: 1152
Referred by: Administration Committee
Revised: 09/23/15-C

ABSTRACT

Resolution No. 4183, Revised

This resolution approves MTC's Overall Work Program (OWP) for transportation planning activities in the nine-county San Francisco Bay Area for FY 2015-16, 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 1, 2015.

The resolution was revised on September 23, 2015 to add a new grant award of \$4,060,000 for Connected Vehicle Programs.

Date: April 22, 2015
W.I.: 1152
Referred by: Administration Committee

Re: Overall Work Program for Fiscal Years 2015-16, 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. 4183

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) entitled the Transportation 2035 Plan, which was adopted in April 2009, and the plan update 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 2015-16 has been prepared by MTC, the Association of Bay Area Governments, and the California Department of Transportation; and

WHEREAS, the OWP for Fiscal Year 2015-16 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 2015-16; 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 2015-16; now, therefore, be it

RESOLVED, that MTC does hereby adopt the FY 2015-16 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 Moving Ahead for Progress in the 21st Century Act (MAP-21) 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 2015-16 and shall incorporate any amendments into appropriate supplements to the OWP; and it be further

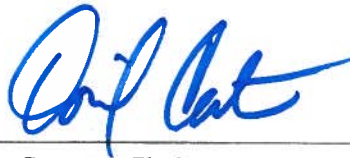
RESOLVED, that the Executive Director or his designee is authorized to apply for and execute any agreements with DOT for grants to aid in the financing of MTC's unified work program included in Attachment A to this Resolution and to execute any subsequent amendments to such agreement(s) consistent with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



Dave Cortese, Chair

The above resolution was entered into by
the Metropolitan Transportation Commission
at a regular meeting of the Commission
held in Oakland, California on April 22, 2015

Date: April 22, 2015
W.I.: 1152
Referred by: Admin

Attachment A
Resolution No. 4183
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Attachment A is the FY 2015-16 Overall Work Program for Planning Activities in the San Francisco Bay Area. Copies are on file at the MTC library.

In accordance with 23 CFR 450.334 and 450.218, and the Moving Ahead for Progress in the 21st Century Act (MAP-21), 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 40 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 SAFETEA–LU (Pub.L. 109–59) 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 22, 2015
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Referred by: Admin
Revised: 09/23/15-C

Attachment C
Resolution No. 4183
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Attachment C includes all amendments and supplements to the FY2015-16 Overall Work Program for Planning Activities in the San Francisco Bay Area. Copies are on file at the MTC offices.

OWP Amendment No. 14-1 adds \$4,060,000, a new grant award for Connected Vehicle Programs.