



BOSTON REGION METROPOLITAN PLANNING ORGANIZATION

Jamey Tesler, MassDOT Secretary and CEO and MPO Chair
Tegin L. Teich, Executive Director, MPO Staff

WORK PROGRAM

MBTA COUNT PROGRAM SUPPORT FFY 2023

JANUARY 5, 2023

Proposed Motion

The Boston Region Metropolitan Planning Organization (MPO) votes to approve this work program.

Project Identification

Unified Planning Work Program (UPWP) Classification

Agency and Other Client Transportation Planning Studies and Technical Analyses

Project Number 13816

Client

Massachusetts Department of Transportation (MassDOT) and Massachusetts Bay Transportation Authority (MBTA)

Client Supervisor: Derek Krevat and Ian Thistle

Project Supervisors

Principal: Paul Christner

Manager: Roger Roy

Funding Source

MassDOT-Directed PL Funds

Schedule and Budget

Schedule: 9 months from notice to proceed

Budget: \$65,000

Schedule and budget details are shown in Exhibits 1 and 2, respectively.

The overhead rate used to calculate the budget is subject to change every July 1st based on the approved projected overhead rate for the state fiscal year.

Background

The MBTA and MassDOT have asked the Central Transportation Planning Staff (CTPS) to conduct manual passenger counts in locations for which there is insufficient automated data on ridership. These data are required for diversion and special events planning. Of particular interest is ridership on the Green Line Extension (GLX), Mattapan Line, and commuter rail.

The MBTA completed the installation of an automated-fare-collection (AFC) system in 2007. While this system can be used to determine daily counts of boardings at rapid transit stations and on vehicles with fare-collection equipment, manual counts are still required to determine boardings by direction and in locations where there are no fare gates, such as the GLX and parts of the commuter rail system.

Objectives

The objective of this work program is to perform various forms of data collection on MBTA transit services including the following:

- *Green Line:* Passenger counts will be conducted at surface Green Line stations where automated-fare-collection equipment is not installed, including the GLX Union Square Branch, the GLX Medford Branch, and other Green Line surface stations.
- *Commuter Rail:* Passenger counts will be conducted at surface commuter rail stations as requested by Railroad Operations. Any comprehensive commuter rail count effort would take place separate from this task, if conducted.
- *Mattapan Line:* Passenger counts will be conducted at Mattapan Line stations where there are high levels of noninteraction with automated-fare-collection equipment.
- *Diversions:* Passenger counts will be conducted during MBTA-scheduled diversions due to maintenance and other planned events, especially to count passengers who do not interact with AFC equipment.

Work Description

Task 1 Coordination

CTPS will coordinate with the MBTA as needed to discuss specific assignments, schedule data collection, review data, and coordinate on other topics related to the count program.

Task 2 Collect Data

CTPS will carry out data-collection assignments as directed by MBTA staff and as budget allows. The primary data-collection activity will be passenger counts as described in the objectives above. CTPS will provide results of the data collection to the MBTA in digital or paper form, depending on the MBTA's needs.

Products of Task 2

Passenger count data in digital or paper form.

Exhibit 1
ESTIMATED SCHEDULE
MBTA Count Program Support FFY 2023

Task	Month								
	1	2	3	4	5	6	7	8	9
1. Coordination									
2. Collect Data									

Products/Milestones

A: Field Data in Paper or Digital Form

**Exhibit 2
ESTIMATED COST
MBTA Count Program Support FFY 2023**

Direct Salary and Overhead	\$64,750
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Task	Person-Weeks				Direct Salary	Overhead (119.34%)	Total Cost
	M-1	P-2	Temp	Total			
1. Coordination	1.7	0.0	0.0	1.7	\$3,064	\$3,657	\$6,721
2. Collect Data	0.0	3.6	28.5	32.1	\$26,456	\$31,573	\$58,029
Total	1.7	3.6	28.5	33.8	\$29,520	\$35,230	\$64,750

Other Direct Costs	\$250
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Travel \$250

TOTAL COST	\$65,000
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Funding
MassDOT-Directed PL Funds

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Title VI Specialist
Boston Region MPO
10 Park Plaza, Suite 2150
Boston, MA 02116
civilrights@ctps.org

By Telephone:

857.702.3700 (voice)

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