



BOSTON REGION METROPOLITAN PLANNING ORGANIZATION

Stephanie Pollack, MassDOT Secretary and CEO and MPO Chair
Tegin L. Teich, Executive Director, MPO Staff

WORK PROGRAM

MBTA COMMUTER RAIL NEIGHBORHOOD MAPS

MARCH 5, 2020

Proposed Motion

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

Project Identification

Unified Planning Work Program (UPWP) Classification

Technical Support/Operations Analysis Projects

Project Number TBD

Client

Keolis Commuter Services (Keolis)

Project Supervisor: Lizzie Doherty

Project Supervisors

Principal: Jane Gillis

Manager: Kenneth Dumas

Funding Source

Future Keolis Contract

Schedule and Budget

Schedule: Six and a half months after work commences

Budget: \$45,229

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

Relationship to MPO Goals

The MPO staff has sufficient resources to complete this work in a capable and timely manner. By undertaking this work, the MPO staff will neither delay the completion of nor reduce the quality of programmed MPO work.

Background

In 2007, the Massachusetts Bay Transportation Authority (MBTA) requested that the Central Transportation Planning Staff (CTPS) create neighborhood maps for most of its stations. CTPS created a neighborhood map that displays a half-mile radius from each of the selected MBTA stations complete with street names, buildings, points of interest, and the connecting MBTA bus routes. Keolis has requested that CTPS update five of these maps and create the same type of neighborhood map for each of the nine MBTA commuter rail stations.

Objective(s)

Create nine new neighborhood maps for Keolis-selected MBTA commuter rail stations, and update five existing neighborhood maps.

Work Description

CTPS will create new neighborhood maps for the Beverly, Norwood Central, West Natick, North Billerica, Stoughton, Middleboro/Lakeville, Reading, East Weymouth, and Roslindale Village commuter rail stations, and update the neighborhood maps for the Fairmount, Forest Hills, Ruggles, Porter Square, and JFK/UMass stations.

Task 1 Create Draft Maps

Using the latest mapping software and data, CTPS will create a neighborhood map for each of the nine stations showing streets, street names, building footprints, points of interest, and MBTA bus routes. Each map will include a “You Are Here” designation at the station location and a quarter-mile-radius ring depicting the distance of a 5- to 10-minute walk from the station. CTPS will provide Keolis with a draft map for each station upon completion.

Products of Task 1

Nine draft neighborhood maps

Task 2 Update Existing Maps

CTPS will update five of the neighborhood maps created in a previous work program—Fairmount, Forest Hills, Ruggles, Porter Square, and JFK/UMass. The updates will include changes to bikeshare and MBTA bus stop locations, new points of interest, and any infrastructure changes (buildings and streets) since the completion of the existing version.

Products of Task 2

Five updated neighborhood maps

Task 3 Revise Maps and Deliver Final Files

Based on feedback received from Keolis and/or the MBTA, CTPS will make any requested changes to each map. CTPS will provide the final computer files to Keolis for production of the final maps.

Products of Task 3

Final digital files to be delivered to Keolis

Exhibit 1
ESTIMATED SCHEDULE
MBTA Commuter Rail Neighborhood Maps

Task	Month						
	1	2	3	4	5	6	7
1. Create Draft Maps	A						
2. Update Existing Maps						B	
3. Revise Maps and Deliver Final Files		C					

Products/Milestones

- A: Nine first-draft neighborhood maps
- B: Five updated neighborhood maps
- C: Final digital files, to be delivered to the Keolis

Exhibit 2
ESTIMATED COST
MBTA Commuter Rail Neighborhood Maps

Direct Salary and Overhead	\$45,229
-----------------------------------	-----------------

Task	Person-Weeks			Direct Salary	Overhead (104.89%)	Total Cost
	P-5	P-2	Total			
1. Create Draft Maps	8.5	0.2	8.7	\$17,109	\$17,945	\$35,054
2. Update Existing Maps	0.5	0.0	0.5	\$993	\$1,042	\$2,035
3. Revise Maps and Deliver Final Files	2.0	0.0	2.0	\$3,973	\$4,167	\$8,140
Total	11.0	0.2	11.2	\$22,075	\$23,154	\$45,229

Other Direct Costs	\$0
---------------------------	------------

TOTAL COST	\$45,229
-------------------	-----------------

Funding

MPO Planning Contract #XXXXXX
MPO §5303 Planning Contract #XXXXXX