

Draft Memorandum for the Record Boston Region Metropolitan Planning Organization Congestion Management Process (CMP) Committee Meeting

December 21, 2017, Meeting

9:00 AM–10:00 AM, State Transportation Building, Conference Rooms 2 and 3, 10 Park Plaza, Boston

Chairperson

Jay Monty, Chair

Decisions

The CMP Committee of the Boston Region Metropolitan Planning Organization (MPO) agreed to the following:

- Adopt the CMP work plan for Federal Fiscal Year (FFY) 2018

Follow-up tasks are cited on page 4.

Meeting Agenda

1. Introductions

All present introduced themselves. (See the attendance list on the last page.)

2. Approval of Minutes from May 18, 2017

The minutes of the prior meeting were approved.

3. Federal Fiscal Year 2018 CMP Work Plan

The CMP Committee agreed to the following tasks in the CMP work plan:

Support the CMP Committee

This task consists of several duties, including preparing meeting agendas, meeting minutes, and other materials for meetings and presentations. It is estimated that the committee will meet four times during FFY 2018.

MBTA Park and Ride/Bike Parking Data Collection

The main focus of this task is data collection to update the MBTA bicycle parking and MBTA automobile parking inventories. FFY 2018 will be the second year of the three-year data collection effort. MPO staff has already surveyed approximately 40-50 percent

of MBTA lots. A memorandum summarizing the first year of data collection and noting the MBTA stations that were surveyed will be prepared during this FFY. A final memorandum and analysis of the park-and-ride and bicycle parking for all MBTA stations will be produced in FFY 2019.

A CMP Committee member asked if surrounding private parking lots and on-street parking are included in the inventory. MPO staff explained that the on-street parking is included if MBTA commuters can park there all day. However, two-hour parking spaces are not counted in the inventory. Additionally, all nearby private lots are included as long as MBTA commuters can park at the specific lot all day.

Validation of Roadway Data Sources

Staff stated that the task to evaluate new roadway data sources will commence in early January and the work will take a couple of months. The INRIX dataset will be compared to the National Performance Management Research Data Set (NPMRDS). NPMRDS is partially derived from INRIX data, but does not contain confidence scores or C-values. The NPMRDS only covers the National Highway System, a more limited network than the Boston Region MPO's CMP network (which the INRIX dataset covers in its entirety).

Additionally, MassDOT's Go-Time dataset may be analyzed to see if the dataset is useful. Other datasets will also be evaluated if deemed to be potentially useful for roadway monitoring. The most suitable datasets for use for the CMP would be recommended through this task.

One committee member asked how often the MPO will buy INRIX data. MPO staff answered that the INRIX data was purchased approximately once every three years. The first INRIX dataset was purchased for the year 2012 and a second dataset was purchased for the year 2015. The member also asked about the timeframe that is covered by the NPMRDS. Staff answered that the data are updated on an ongoing basis and updates to the dataset are released every month.

Monitoring of MAP-21 Performance Measures

The Federal Highway Administration requires all MPOs and state departments of transportation to monitor two new performance measures. The performance measures are the Level of Travel Time Reliability (LOTTR) and Person Hours of Delay (PHED). The purpose of these performance measures is to measure travel time reliability. The NPMRDS was specifically created to calculate these performance measures.

A committee member asked staff to elaborate on the LOTTR performance measure. Staff responded that the LOTTR performance measure is calculated for four distinct time periods: AM, PM, off-peak, and weekends. The 80th percentile travel time for a

roadway segment will be compared to the 50th percentile travel time for each time period to determine LOTTR for a roadway segment.

Document Comparison of 2012–15 INRIX Datasets

The purpose of this task is to document and compare 2012 and 2015 INRIX datasets. According to an analysis of the INRIX datasets, the travel speeds at many of the locations on the CMP network decreased between 2012 and 2015. MPO staff will analyze the changes of the speeds between 2012 and 2015.

4. Fall 2016 Monitoring of MBTA Bus Performance Measures Presentation

MPO staff planned to present the “Fall 2016 Monitoring of MBTA Bus Performance Measures” memorandum to the CMP Committee, but this presentation was postponed due to time constraints. The analysis of MBTA bus performance measures began this year through the CMP and monitoring could potentially be done annually. During the meeting, members discussed the possibility of creating transit snapshots showing the results of from bus performance measurement for the entire region. Another idea that was mentioned during the meeting was the possibility of creating an interactive dashboard for the Boston Region MPO’s website. This memorandum will be presented at a future MPO meeting.

5. Other Business

Additional UPWP Project Idea - Intersection Improvement Program

The idea of an intersection improvement program in the Transportation Improvement Program (TIP) was mentioned by a CMP committee member. This potential program would recommend low-cost improvements that could be easily implemented at the discretion of local communities. Members recommended that the idea be submitted through the Unified Planning Work Program (UPWP) project selection process. Staff and MPO members will follow-up with the Certification Activities group as regards this proposal.

6. Follow-Up Tasks

- Consider submitting the idea for a TIP intersection improvement program as a UPWP study.
- Coordinate with the MBTA in regards to the proposed CMP bus monitoring performance measures.

7. Adjournment

The meeting adjourned at 9:50 AM.

Attendance

Members

Representatives and Alternates

At-Large City (City of Everett)	Jay Monty (Chair)
At-Large Town (Town of Lexington)	Richard Canale
City of Boston	Thomas Kadzis
MassDOT Highway Division	John Romano
Regional Transportation Advisory Council	Tegin Teich

Other Attendees Affiliation

Steve Olanoff	Three Rivers Interlocal Council (Town of Norwood)
---------------	---

MPO Staff/Central Transportation Planning Staff

Mark Abbott
Ryan Hicks
Scott Peterson
