

CONGESTION MANAGEMENT PROCESS (CMP) COMMITTEE

November 6, 2024
10:15 A.M. – 11:30 A.M.

MINUTES

1. WELCOME AND INTRODUCTIONS

Ms. Eileen Singleton opened the meeting and welcomed attendees.

2. APPROVAL OF MINUTES FROM THE JUNE 4, 2024 MEETING

The minutes were approved with no comments.

3. MEETING OBJECTIVE

The objectives of the meeting are:

- Presentations
 - MDOT SHA Evaluating Data to Assess Past and Present Projects for Mobility
 - Update on Traffic Impacts of Key Bridge Collapse
- Discussion on interest in identifying CMP strategies in TIP projects
- Debrief on priority letter development and including regional text

[PowerPoint: CMP Committee Handout]

4. EVALUATING DATA TO ASSESS PAST AND PRESENT PROJECTS FOR MOBILITY

Mr. Matt Wolniak, JMT, presented an overview of mobility studies prepared by MDOT SHA. The Maryland Mobility Report has been prepared annually for the last 13 years and provides a summary of how the SHA system is operating, what SHA is doing, the outcomes, and annual trends, including:

- a statewide look at congestion and mobility
- identification of the 15 worst freeway and arterial sections statewide for the morning and evening peak periods

- an analysis of summer beach traffic and where congestion is occurring
- an analysis of freight, particularly what has changed in the last year
- an analysis of new pedestrian and bicycle facilities

The major performance measures used are Travel Time Index (TTI) which is the 50th percentile travel time on a segment for a particular hour versus off peak travel time and the 95th Percentile Travel Time which can identify the worst congested locations.

The Mobility Report also includes an evaluation of operations of specific such as:

- year to year comparison of volumes using express toll lanes;
- comparing travel times on HOV lanes (US 50 and I-270) to the general purpose lanes and use of HOV lanes by electric vehicles;
- where are trucks parking throughout the year; and
- use of state-owned park and ride lots.

The Report also evaluates projects completed in the past year, including: mobility improvement projects (roadway widenings, new interchanges, and intersection improvements), major project completions, and signal system upgrades. To do the analyses, various types of data are used including: traffic counts (including new counts), crash data, field observations, INRIX speed data, and construction cost to develop cost benefit ratios.

Measures calculated include: delay savings, safety savings, and fuel savings. The safety savings compares the past three years of data with the one year of post construction data; Mr. Wolniak suggested doing an analysis with three years of post-construction data would be even more beneficial. The total benefits (delay, fuel consumption, and safety) are calculated for each project and summed to provide a total benefit.

The Mobility Report Supplement provides details for benefit calculations for each project. Non-congestion benefits are also included, such as mitigated noise impacts. Mr. Wolniak said there are typically 10 to 15 projects completed and evaluated each year.

In addition to capital projects, there are other projects that reduce congestion including CHART operations, traffic signal timing reviews, and park and ride programs.

MDOT SHA also does an analysis of major completed projects such as freeway and major arterial widenings. These are projects that were constructed several years ago and are tracked to evaluate if they are still providing an improvement in travel time compared to pre-construction levels. He provided the following table that showed reduction in delay for selected projects completed over about the last 15 years:

PAST PROJECT BENEFITS							
ROUTE/ PEAK HOUR/ DIRECTION	LIMITS	LENGTH (MILES)	COUNTY	PRECONSTR. YEAR	PRECONSTR. TTI	2022 TTI	% REDUCTION IN DELAY
MD 295/AM/ SB	I-695 to W. Nursery Road	1.1	Anne Arundel	2011	1.45	1.06	26%
MD 295/PM/ NB	I-195 to W. Nursery Road	1.8	Anne Arundel	2011	1.73	1.13	35%
US 50/PM/EB	MD 450 to MD 2	2.7	Anne Arundel	2017	2.08	1.12	46%
MD 175/AM/ NB	Mapes Road to Disney Road	1.8	Anne Arundel	2015	1.28	1.13	12%
MD 175/AM/ SB	Mapes Road to Disney Road	1.8	Anne Arundel	2015	1.19	1.17	2%
MD 175/PM/SB	Mapes Road to Disney Road	1.8	Anne Arundel	2015	1.49	1.27	15%
I-95/AM/SB	MD 43 to S of I-695	4.3	Baltimore	2011	1.75	1.06	40%
I-95/PM/NB	US 40 to MD 43	6.9	Baltimore	2011	1.32	1.08	18%

The MDOT SHA Office of Traffic and Safety analyzes the impacts from upgrades to traffic signal systems, calculating TTI and PTI values and delay savings.

The [Mobility Report](#) and [Mobility Report Supplement](#) are available online.

There was a question about whether the analysis could provide an overview just for a jurisdiction or just group the roads by jurisdiction; that is not currently done but Mr. Wolniak will look into whether this would be possible.

There was another question about whether there has been any analysis of the impacts of traffic apps on congestion and route selection. To date, this has not been done.

[PowerPoint: Evaluating Data to Assess Past and Present Projects for Mobility]

5. IDENTIFYING CMP STRATEGIES INCLUDED IN TIP PROJECTS

Ms. Eileen Singleton explained that BMC staff has raised the question about whether it would be useful to identify CMP strategies included in transportation improvement program (TIP) projects similar to how this is done for projects submitted to the long range transportation plan. BMC staff used the CMP strategies from the CMP Strategy Guide and identified the strategies included in FY 2024 TIP projects. She showed several ways to show how the CMP strategies can be shown by type and jurisdiction.

There was a comment that showing the number of projects may not correlate with the amount of funds going to the projects; for example, bike/pedestrian projects may be numerous but overall use a small portion of the total funding. It would be beneficial to see the total amount of funds allocated to CMP projects but it might be difficult to break out the cost just for the CMP strategies.

Ms. Singleton noted that the CMP strategies are from the CMP consultant project completed in 2020, and, if we move forward with this effort, we could review the strategies to update them if desired. It was noted that it could also be helpful to see which strategies are not used.

The new TIP process starts in January so we would need to have the strategies selected and included in the TIP submittal form by the end of 2024.

This information would be useful to capture if the information is then shared with the committee, as well as showing how the strategies in the long range transportation plan projects carry over to the TIP.

BMC staff will work to include CMP strategies in the next TIP submittal form.

[PowerPoint: CMP Committee Handout]

6. KEY BRIDGE CONGESTED CORRIDOR REPORT UPDATES

Mr. Ed Stylc presented an update on the travel time analysis impacts from the Key Bridge collapse. The analysis considered roadway segments where the congestion percent (the percent of free flow speed) is below 75%. For those segments, the change in average travel time was calculated before and after the bridge collapse.

Mr. Stylc showed an updated analysis that evaluates travel time change for September in 2023 and 2024. Each of the segments experienced an increase of traveler time during this period. However, looking at the travel time changes from August 2024 to September 2024 shows that travel times on some segments improved slightly.

These reports are available [online](#).

[PowerPoint: CMP Committee Handout]

7. DEBRIEF PROJECT PRIORITIZATION FOR 2024 PRIORITY LETTERS

Ms. Singleton showed a summary of how the regional text has been included in local priority letters. Queen Anne's County and Harford County staff noted that they find the regional text beneficial.

It was noted that each jurisdiction approaches the development of its priority letter differently.

Mr. Todd Lang said that at the November 19th meeting of the Baltimore Regional Transportation Board, there will be a presentation on an early draft of the new MDOT prioritization system (formerly Chapter 30 process). The [meeting agenda and link](#) can be found on the BMC webpage.

Ms. Singleton said that if there is interest in discussing jurisdictional approaches to preparing priority letter approach, the CMP Committee could have a special meeting after more information is provided by MDOT at the BRTB meeting.

[PowerPoint: CMP Committee Handout]

8. OTHER BUSINESS

L RTP Scenario Planning Project and Upcoming Survey – Mr. Zach Kaufman provided an overview of a scenario planning project that was just started that will inform the next long range transportation plan. Various future conditions will be explored, with goals of Identifying strategies and policies that work well under multiple scenarios and analyzing impacts on equity emphasis areas in the Baltimore region. A survey will be used to gather information from a broad range of people in the region; the survey will be available from mid-November to mid-December.

2025 Meetings – February 4, June 3, November 4

ATTENDEES

Members

Carl Chamberlin – Maryland Transportation Authority (MDTA)
Jasmine Champion – Federal Highway Administration, Maryland Division
Steve Cohoon – Queen Anne’s County Department of Public Works
David Cookson – Howard County Office of Transportation
Angelica Daniel – Baltimore County Department of Public Works and Transportation
Albert Guiney Engel – MDOT Maryland Transit Administration
Sarah Gary – MDOT State Highway Administration (SHA)
Tavon Hawkins – MDOT SHA
Sam Kahl – Harford County Department of Public Works
Heather Lowe – Maryland Transportation Authority
Mohammed Raqib – MDOT SHA
Alex Rawls – Harford County Department of Planning and Zoning
Lisa Shemer – MDOT SHA
Brian Ulrich – Anne Arundel County Office of Transportation

Staff and Guests

Regina Aris – Baltimore Metropolitan Council (BMC)
Tim Briggs - BMC
Joshua Colvin – Guest
Ndemazea Fonkem – BMC
Victor Henry – BMC
Zach Kaufman – BMC
Keith Kucharek – BMC
Todd Lang – BMC
Anna Marshall – BMC
Md. Moklesur Rahman – BMC
Brian Ryder – BMC
Jake Schutt – BMC
Rana Shams – MDOT SHA
Eileen Singleton – BMC
Ed Stylc – BMC
Marium Sultan – BMC
Matt Wolniak – JMT
Javier – Student