



Technical Committee Meeting Agenda

Wednesday, July 26, 2023

9:00 AM

Committee Room 2nd Floor Durham City Hall

4307 Emperor Blvd
Durham, NC 27703

1. Roll Call
2. Adjustments to the Agenda
3. Public Comment

CONSENT AGENDA:

4. **FY2024-2033 Transportation Improvement Program Amendment #16**
Filmon Fishastion, LPA Staff

[23-209](#)

Amendment #16 to the FY2020-2029 Transportation Improvement Program (TIP) includes the addition of funds to U-4726IK for Homestead Road Sidewalks and the approval of the following projects that were recommended for CMAQ funding: Morreene Road Bike/Ped Improvements (C-4928) and Hillandale Road Bike/Ped Improvements (U-4726HN). TIP Amendment #16 also adds projects to the Vulnerable Road User/Bicycle Improvement Program to take advantage of additional funding as a result of the August Redistribution efforts. This amendment was pre-authorized for public release on July 18, 2023, due to the timeline for approval needing to occur by the end of August.

Additional projects in this amendment include Item N updates from NCDOT, and other such project updates that fall under administrative modifications. A public hearing will be held at the August Board meeting to receive comments for this amendment.

TC Action: Recommend that the MPO Board approve the TIP Amendment #16.

Attachments:[2023-08-09 \(23-209\) Amendment #16 Full Report](#)[2023-08-09 \(23-209\) Amendment #16 Summary Sheet V2](#)[2023-08-09 \(23-209\) Amendment #16 Resolution v2](#)**ACTION ITEMS:**

5. 2050 MTP Amendment #1 and AQ CDR (10 minutes)[23-205](#)**Andy Henry, LPA staff****2050 MTP - Amendment #1**

At their June 27 meeting, the DCHC MPO board released Amendment #1 to the 2050 Metropolitan Transportation Plan (MTP) for a public comment period from June 27 through August 7, 2023. The DCHC MPO Public Involvement Policy requires this minimum public input period of 42 days for a major MTP amendment. It was noted that the MTP identifies the future highway, public transportation, bicycle, pedestrian and other transportation projects and that projects cannot be funded in the Transportation Improvement Program (TIP) unless they are included in the MTP. The DCHC MPO will adopt the FY 2024-2033 TIP on August 9, 2023, and thus the following projects require amendment in the 2050 MTP to allow these projects to go forward in the TIP:

- I-40 auxiliary lanes - Add this project to the 2050 MTP. This widening is in the FY2024-2033 STIP but not in the 2050 MTP.
- NC 55 Southbound Lane - Add this project to the 2050 MTP. This widening is in the FY2024-2033 STIP but not in the 2050 MTP.
- NC 98 (Holloway Street) - Segment the current 2050 MTP project into three separate projects to match the funding sequencing in the FY2024-2033 STIP. The funded segment, i.e., Junction Road to Lynn Road, will move to the 2040 horizon in the MTP, and the remaining two segments will stay in the 2050 horizon.

The following attachments support this action item:

- A compilation of the public comments received as of July 19 (for both the MTP amendment and AQ CDR);
- A draft of the resolution that will adopt the 2050 MTP Amendment #1; and,
- Details on Amendment #1, including the exact changes to the highway table, which is Appendix 2 of the 2050 MTP.

Air Quality Conformity Determination Report (AQ CDR)

Transportation Conformity Determination Report (AQ-CDR) demonstrates that certain pollutant emissions from the future transportation sector will not exceed a specified threshold. The AQ CDR must also be updated to reflect the changes to the future transportation sector depicted in 2050 MTP Amendment #1 and FY 2024-2033 TIP. was released for the same public comment period as the 2050 MTP Amendment #1.

The following attachments support this action item:

- A compilation of the public comments received as of July 19 (for both the MTP amendment and AQ CDR);
- A draft of the resolution to adopt the updated AQ CDR; and,
- The updated AQ CDR.

Schedule

- July 26 - Technical Committee (TC) makes recommendation to MPO board
- August 7 -- 2050 MTP Amendment #1 and the AQ CDR public comment period ends
- August 9 - Conduct public hearings and adopt the 2050 MTP Amendment #1 and AQ CDR

TC Action: Recommend that the DCHC MPO adopt the 2050 MTP Amendment #1 and the Air Quality Conformity Determination Report by separate resolutions.

Attachments:

[2023-08-09 \(23-205\) MTPAmend1Memo_revised](#)

[2023-08-09 \(23-205\) Public Comments Summary](#)

[2023-08-09 \(23-205\) Bike Durham Comments on 2050 MTP Amendment 1 and](#)

[2023-08-09 \(23-205\) Conformity Determination Report Document - August 2023](#)

[2023-08-09 \(23-205\) Resolution-2050MTPAmendment V2](#)

[2023-08-09 \(23-205\) Resolution-AQCDR](#)

6. SPOT P7.0 Project Candidates List for Public Review (20 minutes)[23-207](#)**Colleen McGue, LPA Staff**

The Strategic Prioritization of Transportation (SPOT) process serves as input to the State Transportation Improvement Program (STIP). This process is in its 7th iteration, known as P7.0, and the highest scoring projects are expected to receive funding in the FY2026-2035 STIP. P7.0 project submissions must be submitted in SPOT Online (NCDOT portal) by September 29, 2023. In preparation for this, we are presenting the P7.0 project candidates for the four applicable modes within DCHC MPO boundaries, those being bicycle and pedestrian, highway, transit, and rail. DCHC MPO does not plan to submit any ferry or aviation projects in P7.0. DCHC MPO is allowed to submit 24 candidates per mode for this round. Projects already in the STIP do not count towards this submittal number; those projects are considered "carryovers" and will also be scored.

The project lists are structured in the following order:

1) Project Submissions - *These projects are listed in no particular order at this time.*

There are 24 slots because the MPO is only allotted submission of 24 projects. Projects in this section include holding tank projects (those submitted in previous SPOT cycles that have a SPOT ID), and new projects that are in the process of being given preliminary scores.

2) Additional Project Considerations - *These projects are listed in no particular order at this time.* These projects include overflow of projects that are also important to the MPO. Projects here are also holding tank projects or new submittals, but also include projects that were submitted by other MPOs, RPOs, or local NCDOT Divisions. MPO staff is actively working with all partners to determine which projects may be submitted on our behalf.

The current timeline for SPOT P7.0 submissions is as follows:

August 9 - MPO Board releases projects for 21-day public review.

September 13 - MPO Board holds public hearing and approves projects.

September 29 - Deadline for projects to be submitted into SPOT Online.

While the MPO is only allowed to submit 24 candidates per mode, the current lists exceed those numbers. Staff will be using public input, preliminary scoring through SPOT Online, and member input to determine the final recommended list ahead of MPO Board approval.

TC Action: Recommend that the MPO Board release the project lists for a 21-day public comment period.

Attachments: [2023-09-13 \(23-207\) DCHC SPOT P7.0 Project Submissions 9-13 v4](#)
[2023-09-13 \(23-207\) DCHC SPOT P7.0 Ranked and Scored Projects](#)
[2023-09-13 \(23-207\) SPOT 7.0 Public Input](#)
[2023-09-13 \(23-207\) CAMPO P7 Candidates v2](#)
[2023-09-05 \(23-207\) SPOT P7.0 BikePed Submittal Candidates](#)
[2023-09-05 \(23-207\) SPOT P7.0 Highway Submittal Candidates](#)
[2023-09-05 \(23-207\) SPOT P7.0 Rail Submittal Candidates](#)
[2023-09-05 \(23-207\) SPOT P7.0 Transit Submittal Candidates](#)
[2023-09-05 \(23-207\) SPOT P7 Funding Availability](#)
[2023-08-09 \(23-207\) August 4 2023 Update on P7 Funding Availability](#)
[2023-08-09 \(23-207\) August 4 2023 P7 Funding Availability Table](#)

7. FY2024-2033 Transportation Improvement Program (10 minutes)

[23-206](#)

Kelly Fomenko, LPA Staff

On June 6, 2023, the North Carolina Board of Transportation adopted the FY2024-2033 State Transportation Improvement Program (STIP). In order to implement the program, the MPO Board is required to adopt the FY2024-2033 DCHC MPO Transportation Improvement Program (TIP). The STIP and the TIP must match for the first four years of the program.

There are a handful of new projects or updates that do not yet appear in the FY2024-2033 TIP but are programmed in the FY2020-2029 TIP. The FY2024-2033 STIP was temporarily locked from any future changes around April so any amendments that have occurred to the FY2020-2029 STIP since that time will be reflected in Amendment #1 to the FY2024-2033 STIP, post-adoption.

Per the MPO's Public Involvement Policy, the TIP was released for a 30-day public comment period on June 27, 2023, and a public hearing will take at the August MPO Board meeting. Once adopted, the Federal Highway Administration (FHWA) will review the STIP and TIP to ensure conformity. Once that review is complete, which is expected in September, the FY2024-2033 TIP will go into effect.

Three public comments have been received to date and are attached.

TC Action: Recommend that the MPO Board approve the FY2024-2033 TIP.

Attachments: [2023-08-09 \(23-206\) DCHC MPO FY2024-2033 TIP](#)
[2023-08-09 \(23-206\) FY2024-2033 TIP Public Comments](#)
[2023-08-09 \(23-206\) Projects in Question](#)
[2023-08-09 \(23-206\) Resolution for Adopting the FY2024-2033 TIP](#)

8. Federal Funding Policy Amendment #1[23-210](#)**Filmon Fishastion, LPA Staff**

Amendment #1 of the Federal Funding Policy includes revisions to the application process with regard to the Congestion Mitigation and Air Quality (CMAQ) application as well as administrative changes.

TC Action: Recommend that the MPO Board approve the Federal Funding Policy Amendment #1.

Attachments: [2023-10-11 \(23-210\) Federal Funding Policy Amendment 1 Redlined](#)
[2023-10-11 \(23-210\) Federal Funding Policy Amendment 1](#)
[2023-10-11 \(23-210\) Federal Funding Policy Presentation](#)
[2023-10-11 \(23-210\) Comments Log](#)

9. Proposed US 15-501 Study Scope (10 minutes)[23-212](#)**Doug Plachcinski, AICP, CFM, DCHC MPO Executive Director**

The Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO) completed a detailed study of the US 15-501 corridor from Ephesus Church Road in Chapel Hill to University Drive in Durham in 2021. The project team analyzed existing conditions, proposed recommendations, and created a final report and conceptual design. However, the MPO Board determined the study's recommended improvements did not meet the Board's adopted Goals and Objectives and declined to adopt the study. The MPO Board updated the Metropolitan Transportation Plan project description for the corridor from a freeway conversion to a boulevard conversion and modernization in 2022.

The DCHC MPO wants a consultant to collaborate with stakeholders to create a multimodal corridor solution that supports the MPO's adopted Metropolitan Transportation Plan' goals and objectives. We anticipate a recommended corridor alternative that provides access for all users, decreases energy consumption and emissions, improves safety, increases operational efficiency, and respects the natural and built environments.

TC Action: Recommend that the MPO Board approve the proposed US 15-501 study scope.

Attachments: [2023-08-09 \(23-212\) 15-501 Corridor Study - Scope 08-09-2023](#)

10. Regional Travel Demand Model TRMG2V1.3 Adoption (10 minutes)[23-214](#)**Doug Plachcinski, AICP, CFM, DCHC MPO Executive Director**

The attached memorandum provides a brief overview of the Regional Travel Demand Model and asks the TC to recommend TRM adoption to the MPO Policy Board.

TC Action: Recommend that the MPO Policy Board adopt the TRM.

Attachments: [2023-08-09-2023 \(23-214\) Adopt TRM v2](#)

INFORMATIONAL ITEMS:**11. US 70 Multimodal Corridor Study (10 minutes)**[23-211](#)**Nish Trivedi, Orange County**

This presentation will serve as an update to all member agencies on the progress of the US 70 Multimodal Corridor Study from NC 751 in eastern Orange County to NC 119 west of Mebane in Alamance County.

TC Action: For information and to receive comments.

Attachments: [2023-08-09 \(23-211\) Presentation US 70 West MCS MPO](#)

12. Safe Streets for All (SS4A) Action Plan Update (10 minutes)[23-213](#)**Colleen McGue, LPA Staff**

The DCHC MPO successfully applied for a United States Department of Transportation (USDOT) Safe Streets and Roads for All (SS4A) planning grant to develop a *Vision Zero Action Plan*. The DCHC MPO *Vision Zero Action Plan* will develop strategies to eliminate all transportation fatalities and severe injuries by the year 2050. The *Vision Zero Action Plan* will be a collaborative effort, combining the DCHC MPO, elected officials, stakeholders, and public outreach to create safe, healthy, and equitable mobility for all. Atkins has been contracted to develop a draft scope for this plan in partnership with the community. The draft scope is included as an attachment to this agenda item. Following the TC meeting today, a Stakeholder Forum to gather ideas and input on the draft scope will be held. The comments, ideas, and suggestions from the Stakeholder Forum will be compiled and considered for incorporation into the final scope that will be released as part of a Request for Proposals/Request for Qualifications (RFP/RFQ) for the *Vision Zero Action Plan*. The RFP/RFQ is expected to be released early this fall. The planning effort for the *Vision Zero Action Plan* is expected to be underway this fall.

About Safe Streets for All and Vision Zero

Safe Streets for All (SS4A) is a federal grant program through the US Department of Transportation that funds regional, local, and tribal initiatives to prevent roadway deaths and serious injuries. More information is available at the following link:

<https://www.transportation.gov/grants/SS4A>

The SS4A program is aligned with Vision Zero, which is a collaborative partnership (including NC Department of Transportation) that works to eliminate fatal and serious injuries caused by crashes on all roadways. More information about NC Vision Zero is available at the following link: <https://ncvisionzero.org/>

TC Action: For information only and to receive comments.

Attachments: [2023-08-09 \(23-213\) DCHCMPO Vision Zero Action Plan Draft Scope - 2023-07](#)

13. Congestion Management Process (CMP) Update - Study Area and Corridor (15 minutes) [23-139](#)

Yanping Zhang, LPA Staff

The congestion management process (CMP) is a systematic and regionally-accepted approach for managing congestion that provides accurate, up-to-date information on transportation system performance as well as assessments of alternative strategies for congestion management that meet State and local needs. Federal requirements state that the CMP shall be developed and implemented as an integrated part of the metropolitan transportation planning process. The draft performance measures for the Congestion Management Process (CMP), and an update on the latest CMP/MRC developments, will be presented.

TC Action: Receive the presentation and provide comments.

Attachments: [2023-08-09 \(23-139\) CMP Update+PMs_Presentation-8-8-2023](#)
 [2023-08-09 \(23-139\) PMs-objective_v3.1_draft-0808-2023](#)
 [2023-03-08 \(23-139\) CMP Update+StudyArea+Corridors-2-27-2023](#)

REPORTS FROM STAFF:

14. Report from Staff [23-105](#)
Doug Plachcinski, AICP, CFM, DCHC MPO Executive Director

TC Action: Receive the report from staff.

Attachments: [2023-11-15 \(23-105\) TC Staff Report](#)

15. Report from the Technical Committee Chair [23-106](#)
Nishith Trivedi, TC Chair

TC Action: Receive the report from the TC Chair

16. NCDOT Reports [23-107](#)
Lisa Mathis, NC Board of Transportation
Brandon Jones (David Keilson), Division 5 - NCDOT
Wright Archer (Pat Wilson, Stephen Robinson), Division 7 - NCDOT
Patrick Norman (Bryan Kluchar), Division 8 - NCDOT
Julie Bogle, Transportation Planning Division - NCDOT
John Grant, Traffic Operations - NCDOT
Nick Morrison - NCDOT IMD

TC Action: Receive the reports from NCDOT.

Attachments: [2023-11-15 \(23-107\) NCDOT Reports](#)

Adjourn

Next meeting: August 23, 2023, 9 a.m., Committee Room

Dates of Upcoming Transportation-Related Meetings: None