



Technical Committee Meeting Agenda

Wednesday, October 24, 2018

9:00 AM

Committee Room 2nd Floor
Durham City Hall 101 City Hall Plaza
Durham, NC 27701

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

CONSENT AGENDA

4. **Approval of the September 26, 2018 TC Meeting Minutes** [18-188](#)

A copy of the September 26, 2018 minutes is enclosed.

TC Action: Approve the minutes of the September 26, 2018 TC meeting.

Attachments: [2018-10-24 \(18-188\) 9.26.2018 TC Meeting Minutes_LPA2.pdf.pdf](#)

ACTION ITEMS

5. **2045 Metropolitan Transportation Plan (MTP) -- Re-adoption (10 minutes)**

[18-172](#)

Andy Henry, LPA Staff

The MPO Board released Amendment #1 to the 2045 MTP in September and conducted a public hearing in October. Amendment #1 corrects detailed project information to ensure that there are not any inconsistencies between the 2045 MTP and the FY2018-2027 State Transportation Improvement Program (STIP). These changes do not change the project lists, cross-sections, financial plan, modeling network, or other substantive components of the 2045 MTP. The attached table shows the proposed changes in Amendment #1.

The schedule was to have the MPO Board adopt Amendment #1 at their November meeting. However, after discussions with oversight agencies such as the Federal Highway Administration (FHWA), staff recommends that instead of adopting Amendment #1, the MPO re-release and re-adopt the 2045 MTP. The re-adoption will ensure that the 2045 MTP, Triangle Regional Model (TRM) and related socioeconomic data, and Air Quality Conformity Determination Report (AQ CDR) are officially adopted on the same date and are based on the exact same modeling, socioeconomic data and other important assumptions. Staff expects the updated Plan to have minor changes to model-related information such as performance measures. There would not be any DCHC MPO changes to the substantive portions of the Plan such as project lists and the financial plan. The attached *table of contents* from the 2045 MTP report identifies those sections of the 2045 MTP report that will have changes.

The MPO, the NCDOT (North Carolina Department of Transportation) and the NCDEQ (North Carolina Department of Environmental Quality) continue their work to update the regional travel demand and emissions models that are needed for the 2045 MTP and Air Quality reports. Staff expect those models to be complete and ready by mid-November. In order to keep the review process moving forward in a timely fashion, staff requests that the MPO Board authorize staff to release the updated 2045 MTP report as soon as it is ready (i.e., when the updated model data s are incorporated into the report). Note that the Board authorized staff at their September 2018 meeting to release the AQ CDR when it is ready.

In terms of schedule, there are a few points to keep in mind. First, the AQ CDR needs to be adopted by February 16, 2019 to continue federal transportation actions in our area. Next, the minimum public comment period is 30 days for the AQ CDR and 42 days for the MTP. Given these factors, the review schedule will be:

* By December 1, 2018 -- Staff release updated 2045 MTP and AQ CDR

* January 9, 2019 -- MPO Board conduct public hearing, and adopt 2045 MTP, TRM version 6, and AQ CDR by resolutions

TC Action: Recommend that the Board authorize the MPO staff to release the updated 2045 MTP report for public review when the report is ready.

Attachments: [2018-10-24 \(18-172\) 2045MTP-Re-adoption.pdf](#)
 [2018-10-24 \(18-172\) 2045MTP-Report Changes.pdf](#)

6. Triangle Regional Freight Plan (10 minutes)

[18-170](#)

Andy Henry, LPA Staff

The MPO Board released the Triangle Regional Freight Plan for a minimum 30-day public comment period in September and conducted a public hearing in October. Staff received comments from the City of Durham and will develop a response to those comments for the November MPO Board meeting. Those comments are attached.

Approval of the Freight Plan means that the MPO will consider including the Plan's recommendations in the MPO's long-range transportation plans and policies as they are updated. In addition, local governments might want to consider some of the recommendations for their plans, programs and policies.

The executive summary, full report and appendices of the Triangle Regional Freight Plan and an interactive map of the Strategic Freight Corridor (SFC) are available at this MPO Web page: www.bit.ly/DCHC-FreightPlan. The remaining review schedule is as follows:

- * 10/15 -- Public comment period ends
- * 11/14 -- Board approves Freight Plan

TC Action: Provide final comments on the Triangle Regional Freight Plan and recommend that the MPO Board approve the Plan.

Attachments: [2018-10-24 \(18-170\) Freight Plan Comments.pdf](#)

7. NC 54 West Corridor Study (10 minutes)[18-179](#)**Aaron Cain, LPA Staff**

The NC 54 Corridor Study is an in-depth review of the 20+ mile stretch of NC 54 between Old Fayetteville Road in Carrboro and I-85 in Graham. This roadway currently supports about 6,000 to 15,000 vehicles per day, and is expected to see increases in the future due to residential growth in Alamance County and the major employment centers in the Chapel Hill/Carrboro area. DCHC MPO, along with its local government partners and BGMPO and TARPO have undertaken this study to develop opportunities and strategies to improve the roadway and support the communities alongside it.

The goal of this study is to develop a long-term vision for this corridor. This vision is comprehensive, as it addresses preservation of the area's character, economic opportunity and vitality, environmental sensitivity, and transportation improvements for all users (drivers, freight, pedestrians, bicyclists, etc.).

The draft study is complete. A copy of the study and supporting materials is available at www.nc54west.com. The DCHC MPO Board released the study for a 30-day public comment period at its October 10, 2018 meeting. LPA staff and the consultant, VHB, are currently compiling comments. A list of comments to date will be provided at the DCHC MPO TC meeting. The MPO Board will hold a public hearing and consider the study for adoption in November.

TC Action: Recommend that the Board approve the NC 54 West Corridor Study.

8. US 15-501 Corridor Study (30 minutes)[18-192](#)**Rachel Gaylord-Miles, WSP****Mike Bruff, LPA Staff**

The Durham Chapel Hill Carrboro Metropolitan Planning Organization (DCHC MPO) and the North Carolina Department of Transportation (NCDOT) are conducting a multimodal transportation study of the US 15-501 corridor from Ephesus Church Road/Fordham Boulevard, in Chapel Hill to University Drive, in Durham. The study will update the 1994 corridor-wide master plan that has been used to guide development and transportation improvements since it was adopted in the mid-1990's. The study will develop an updated multimodal transportation master plan for the corridor that integrates the latest land-use and multimodal transportation vision for the corridor. The study includes both the primary route of US 15-501 and the business route of US 15-501 in Durham ("Durham-Chapel Hill Boulevard") which serve very different roles in the transportation system. The study will identify short and long-term multimodal mobility transportation solutions for current and anticipated travel demand in the corridor.

As part of the visioning for the study, and to facilitate discussion between stakeholders about the existing conditions along US 15-501, a bus tour was conducted with agency staff, key stakeholders, and elected officials on April 18, 2018. The purpose of the tour was to lay the foundation for the development of the corridor vision and goals, and to provide an opportunity for the project team to listen to the people who live, work and play along the corridor.

Two public workshops have been conducted to date. The first workshop, held on June 26, shared findings from the community and travel profile for the corridor and engaged citizens in a visioning exercise to further clarify the corridor vision and goals. The second workshop, held on October 22, presented citizens with various proposed concepts for addressing future transportation challenges within the corridor, all within the context of the plan vision, goals, and objectives. Participants were encouraged to comment on their preferred concepts, to guide the study team in the selection of a more narrowed list of concepts to be studied in detail to develop final recommendations for the corridor.

Project materials are available at: <http://www.reimagining15501.com/>.

Today's presentation will provide a brief overview of the study, and will present to the TC and Board the same array of concepts presented to the public on October 22 with the goal of receiving TC and Board input on your preferred concepts.

TC Action: Receive information and use the materials contained in the agenda package to provide feedback to Mike Bruff, Project Manager, on your preferred concepts no later than November 7, 2018.

Attachments: [2018-10-24 \(18-192\) US 15-501 Comment Form.pdf](#)

[2018-10-24 \(18-192\) US 15-501 Presentation Boards.pdf](#)

9. Update on Wake Transit Major Investment Study (15 minutes)[18-191](#)**Geoff Green, GoTriangle****Aaron Cain, LPA Staff**

In 2016, after the adoption of the Wake County Transit Plan, CAMPO, GoTriangle, and the City of Raleigh enlisted the assistance of Nelson Nygaard to develop a Major Investment Study (MIS) for Wake County Bus Rapid Transit (BRT) and Commuter Rail Transit (CRT). Durham County, the City of Durham, and DCHC MPO have been participants on the Core Technical Team (CTT) to develop the CRT portion of the MIS as the joint DCHC and CAMPO Metropolitan Transportation Plan (MTP) envisions CRT serving both Wake and Durham counties, with eventual service to Orange and Johnston counties.

GoTriangle will present an update on progress and future development of the CRT portion of the MIS.

TC Action: No action is necessary for this item, it is for informational purposes only.

10. Allocation of Local Input Points for Division Needs Projects (10 minutes)[18-153](#)**Aaron Cain, LPA Staff**

On August 8, 2018, the DCHC MPO Board approved the release of the Initial Allocation of Local Input Points for Division Needs Projects for SPOT 5, based on the adopted Methodology. The public input process began on August 22, 2018; a public hearing hearing was held by the MPO Board on September 12, 2018. No public comment was received.

A TC subcommittee met on August 22 and September 18 to develop recommendations for local input points for Division Needs projects. The recommendation of that subcommittee is attached with one change. Points have been removed from H111162, Old Greensboro Road, because neither TARPO nor BGMPO decided to put points on that project, and points from DCHC would have no ability to help the project get funded. Those points have been redistributed to T150448, Village Neighborhood Transit Center.

Division 8 has provided its points for calculation, but Division 5 and Division 7 are still reviewing public comments and evaluating projects. Points from those Divisions should be available before the MPO Board meeting next month. TARPO and BGMPO have adopted their local input point allocations and those points are provided, as applicable.

LPA staff will take the final recommended local points allocation to the MPO Board for adoption at its November 14, 2018, meeting. The deadline for submission of local allocation points for Division Needs projects is November 29.

TC Action: Recommend approval of local input points for Division Needs projects for SPOT 5.

Attachments: [2018-10-24 \(18-153\) Allocation of Local Input Points for Division Needs Projects](#)

11. Amendment #7 to the FY2018-2027 TIP (5 minutes)[18-185](#)**Aaron Cain, LPA Staff**

Amendment #7 to the FY2018-2027 TIP includes three bike/ped projects, each of which are proposed to receive additional funding to address cost increases:

- C-5179, North Estes Drive
- EB-4707A, Old Durham Road
- EB-4707B, Old Chapel Hill Road

C-5179 is receiving additional CMAQ funding, EB-4707A is receiving a combination of TAP-DA and STBGDA funding from the regional bike/ped set aside, and EB-4707B is receiving CMAQ funding as well as STBGDA funds from the regional bike/ped set aside. This amendment to the TIP programs the entirety of the regional bike/ped set aside for FY18 and FY19.

All three projects are proposed to receive over \$1M through this amendment. Per the DCHC MPO Public Involvement Policy, all three projects will have a 21-day public comment period for this amendment.

In addition to the above projects, there are two additional projects requesting additional CMAQ funds: C-5605E, Durham Bike Lanes, and C-5605, Downtown Durham Wayfinding. There is also one project to be modified at the request of NCDOT: U-5937, Durham Freeway Operational Improvements.

The summary sheet, full report, and resolution are attached for your review.

TC Action: Recommend that the Board approve Amendment #7 to the FY2018-2027 TIP.

Attachments: [2018-10-24 \(18-185\) TIP Amendment #7 Resolution.pdf](#)
[2018-10-24 \(18-185\) TIP Amendment #7 Full Report.pdf](#)
[2018-10-24 \(18-185\) TIP Amendment #7 Summary Sheet.pdf](#)

12. Resolution to Request Transfer of FHWA Funds to FTA[18-186](#)**Meg Scully, LPA Staff**

On behalf of GoDurham, the Lead Planning Agency is requesting the transfer of Federal Highway Administration (FHWA) funds to the Federal Transit Administration (FTA) for use on transit projects. This resolution supports the transfer for the Durham-Chapel Hill-Carrboro urban area.

TC Action: Recommend the Board approve and sign the resolution to transfer funds.

Attachments: [2018-10-24 \(18-186\) Resolution to transfer FHWA funds to FTA.pdf](#)

13. Transit Asset Management - Targets (10 minutes)[18-193](#)**Andy Henry, LPA Staff**

Federal regulations require the DCHC MPO to develop performance measures and targets for the Transit Asset Management (TAM) program and to update the targets each year. The MPO first approved the TAM targets in June 2017. The table on the attached resolution shows updated targets that each of the MPO's urban transit systems (i.e., GoDurham, GoTriangle, and Chapel Hill Transit) have developed for their system. In addition to the targets, these transit systems must provide to the MPO a Transit Asset Management (TAM) Plan and a checklist to show that the system is in compliance with the TAM final rule. The Plan and checklist for each of the transit systems is attached.

The MPO's rural transit systems such as Orange Public Transit (OPT), Durham County Access and Chatham Transit Network are required to fulfill these same requirements but these rural systems have elected to participate in the NCDOT group TAM plan.

TC Action: Review and discuss the TAM targets, plans and checklist, and recommend that the DCHC MPO Board receive the TAM Plan and checklists, and adopt the TAM resolution and targets.

Attachments: [2018-10-24 \(18-193\) TAM Resolution-Targets.pdf](#)
[2018-10-24 \(18-193\) TAM Plan - GoTriangle.pdf](#)
[2018-10-24 \(18-193\) TAM Plan - GoDurham.pdf](#)
[2018-10-24 \(18-193\) TAM Plan - CHT.pdf](#)

14. Pavement, Bridges and Travel Time Performance Measures and Targets (10 minutes)[18-194](#)**Andy Henry, LPA Staff**

Federal regulations require the DCHC MPO to develop performance measures and targets for pavement, bridges and travel time on National Highway System (NHS) roads, and to update the targets each year. The North Carolina Department of Transportation (NCDOT) established the performance measures and targets shown in the table on the attached resolution. The DCHC MPO will adopt the NCDOT measures and targets because the MPO must rely on NCDOT data and methodologies to calculate the values for the measures. This will be the first time the MPO has adopted these federal measures and targets.

TC Action: Review and discuss the pavement, bridge and travel time performance measures and targets, provide comments, and recommend that the MPO Board adopt the resolution.

Attachments: [2018-10-24 \(18-194\) Resolution-Targets-Pavement-Bridge-TT.pdf](#)

15. Safety Performance Measures and Targets (10 minutes)[18-195](#)**Andy Henry, LPA Staff**

Federal regulations require the DCHC MPO to develop safety performance measures and targets and to update them each year. The DCHC MPO first approved a set of safety measures and targets in February 2018 but now must update them for the year 2019. The North Carolina Department of Transportation (NCDOT) established the safety measures and targets shown in the table on the attached resolution. The DCHC MPO will adopt the NCDOT measures and targets because the MPO must rely on NCDOT data and methodologies to calculate the values for the measures.

TC Action: Review and discuss the safety performance measures and targets, provide comments, and recommend that the MPO Board adopt the resolution.

Attachments: [2018-10-24 \(18-195\) Resolution-Safety-Targets.pdf](#)

16. Performance Management Agreement on Data Sharing (5 minutes)[18-189](#)**Aaron Cain, DCHC MPO****Julie Bogle, NCDOT**

Federal regulations require that MPOs and transit agencies sign an agreement with NCDOT to share data amongst agencies. The attached document is the agreement to be signed by the MPO Board Chair and the managers of the transit agencies. DCHC MPO is coordinating the effort to obtain the signatures from the transit agencies within the MPO's jurisdiction.

TC Action: Recommend the Board Chair sign the Performance Management Agreement on Data Sharing.

Attachments: [2018-10-24 \(18-189\) NCDOT-DCHC TPM Data Sharing Agreement.pdf](#)

17. Election for DCHC MPO Technical Committee Vice Chair (10 minutes)[18-190](#)**Aaron Cain, LPA Staff**

Due to the resignation of Margaret Hauth, the position of Vice Chair of the DCHC MPO TC is vacant. Staff sent a call for nominations on October 3. One nomination has been received, that of Nishith Trivedi of Orange County. Since the current Chair, Ellen Beckmann, represents a jurisdiction in Durham County, the new Vice Chair must represent a jurisdiction primarily located in either Orange or Chatham County. Mr. Trivedi meets that qualification.

TC Action: Elect a new Vice Chair of the DCHC MPO Technical Committee.

REPORTS FROM STAFF:

18. **Report from Staff** [18-107](#)
Felix Nwoko, Andy Henry, LPA Staff
TC Action: Receive report from Staff.

Attachments: [2018-10-24 \(18-107\) LPA staff report.pdf](#)

19. **Report from the Chair** [18-108](#)
Ellen Beckmann, TC Chair
TC Action: Receive report from the TC Chair.

20. **NCDOT Reports** [18-109](#)
Joey Hopkins (David Keilson/Richard Hancock), Division 5 - NCDOT
Mike Mills (Pat Wilson/Ed Lewis), Division 7 - NCDOT
Brandon Jones (Bryan Kluchar, Jen Britt), Division 8 - NCDOT
Julie Bogle, Transportation Planning Division - NCDOT
John Grant, Traffic Operations - NCDOT
TC Action: Receive reports from NCDOT.

Attachments: [2018-10-24 \(18-109\) NCDOT Progress Report.pdf](#)

INFORMATIONAL ITEMS:

Adjourn

Next meeting: November 28, 9 a.m., Committee Room

Dates of Upcoming Transportation-Related Meetings: None