



Technical Committee Meeting Agenda

Wednesday, November 16, 2016

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 October 26, 2016 TC Meeting Minutes** [16-207](#)

A copy of the October 26, 2016 minutes is enclosed.

TC Action: Approve the minutes of the October 26, 2016 TC meeting.

Attachments: [2016-11-16 \(16-207\) TC Minutes 10.26.16_LPA2.pdf](#)

ACTION ITEMS

5. **I-40 Feasibility Study (20 minutes)** [16-204](#)

Derrick Lewis, NCDOT Feasibility Studies Unit

The NCDOT hired a consultant to conduct a traffic forecast and feasibility study (FS-1205A) for adding capacity to I-40 (I-85 to Wade Avenue). Derrick Lewis, NCDOT Feasibility Studies Unit, will present the feasibility study method, results and recommendations, and answer questions from the Technical Committee (TC). A presentation on the I-40 feasibility study is attached.

TC Action: Receive I-40 feasibility study and recommend a presentation to the MPO Board.

Attachments: [2016-11-16 \(16-204\) I-40 Feasibility Study.pdf](#)

6. **NC 147 Feasibility Study (20 minutes)** [16-205](#)

Matthew Potter, AECOM

The NCDOT hired AECOM to conduct a traffic forecast and feasibility study (FS-1205C) for adding capacity to NC 147 (NC 55 to I-40). AECOM will present the feasibility study method, results and recommendations, and answer questions from the Technical Committee (TC). A presentation on the NC 147 feasibility study is attached.

TC Action: Receive NC 147 feasibility study and recommend a presentation to the MPO Board.

Attachments: [2016-11-16 \(16-205\) NC 147 Feasibility Study.pdf](#)

7. **2040 MTP Amendment #3 and D-O LRT LPA (Extension to NCCU) -- (5 minutes)** [16-192](#)

Andy Henry, LPA Staff

Patrick McDonough, GoTriangle

At the 10/19 Board meeting, the MPO released for public comment an amendment to the Locally-Preferred Alternative (LPA) for the Durham-Orange Light Rail Transit system (D-O LRT) and an amendment to the 2040 Metropolitan Transportation Plan (MTP). Both amendments are to extend the D-O LRT from Alston Avenue to a station at the North Carolina Central University (NCCU). Engineering studies have shown that the extension is technically feasible and modeling indicates the added station will generate high ridership.

The MPO Board held a public hearing on the amendments at their November meeting. The public comment period is from October 19, 2016 through December 6, 2016, which meets the minimum 42-day public comment period as required by the DCHC MPO public involvement policy. GoTriangle needs the amendment to be completed by the end of December 2016 to keep the D-O LRT project moving forward. The following MPO Web page provides details and a map on these amendments: <http://bit.ly/NCCUExtension>

The following resolutions are attached:

- * 2040 MTP Amendment #3 and exhibit; and,
- * Amendment for the Locally Preferred Alternative of the Durham-Orange County Transit Corridor.

TC Recommendation: Recommend that the MPO Board approve the amendment to the Locally Preferred Alternative for the Durham-Orange County Transit Corridor and Amendment #3 to the 2040 Metropolitan Transportation Plan, and authorize the MPO Board Chair to sign the corresponding resolutions.

Attachments: [2016-11-16 \(16-192\) DO-LRT LPA Amendment.pdf](#)
[2016-11-16 \(16-192\) 2040MTPAmend#3Resolution.pdf](#)

8. 2040 MTP -- Update to Environmental Justice (15 minutes)[16-196](#)**Paul Black, CAMPO**

Since February, the Capital Area MPO (CAMPO) and the DCHC MPO worked collaboratively with NCDOT, TJCOG, and FHWA to develop an updated methodology to define “communities of concern” for the Environmental Justice section of the 2045 MTP. The resulting maps will be used as a regional-scale screening tool for MTP public outreach and for the updated benefits/burdens analysis required by FHWA. There are three changes, or varying impacts, to the current DCHC method, including:

- * Minor change -- Age threshold raised from 65 to 70 years of age;
- * Medium change -- Use of poverty variable instead of income because the custom geography making a true “regional average” difficult to calculate; and,
- * Major change -- Change of threshold measure for inclusion as “community of concern.”

A copy of the presentation is attached.

TC Action: Receive presentation and provide comments.

Attachments: [2016-11-16 \(16-196\) The Search for \(Environmental\) Justice.pdf](#)

9. **Comprehensive Transportation Plan (CTP) -- Release Draft (15 minutes)** [16-183](#)

Andy Henry, LPA Staff

Julie Bollinger, NCDOT

The different modes in the draft Comprehensive Transportation Plan (CTP) have been reviewed by MPO, local government and NCDOT staff over the last several months, and the MPO staff has provided updates to the MPO Board throughout the development process. A subcommittee met on 11/8 to make final changes. MPO staff and NCDOT are requesting that the MPO Board release the draft CTP for a three-month public input process, following this schedule:

- * December 2016 -- Board release draft CTP for public input.
- * January/February 2017 -- Local review, public workshops and public hearing.
- * March 2017 -- MPO Board adopt CTP.

MPO staff has already begun to work with local staff to arrange these meetings and to create the appropriate presentations and materials to ensure that the audience understands the CTP.

A presentation is attached. The draft CTP maps and documents are available at the MAP and REPORTS tabs on the following NCDOT Web page: <http://bit.ly/DCHCMPO-CTP>. All the current Thoroughfare Plans in the DCHC MPO are also available at the RESOURCES tab of that Web page. The MPO will create and have available interactive online maps for public use by the December 14th release.

TC Recommendation: Recommend that the MPO Board release the draft CTP for public input.

Attachments: [2016-11-16 \(16-183\) CTPRelease.pdf](#)

10. **2045 MTP -- Learning Scenario (10 minutes)** [16-173](#)

John Hodges-Copple, TJCOG

The Technical Committee will discuss the next steps in using the Community Visualization land use model and the Triangle Regional Model to create a Learning Scenario. This scenario will mostly use moderate socioeconomic guide totals and transportation networks to create output data that can be used to educate the Technical Committee and MPO Board on interpreting data and scenario assumptions. Staff plan to present a Learning Scenario at the joint DCHC MPO and CAMPO Board/TAC meeting on November 30th. See the attached "12 Steps to the 2040 MTP" (schedule).

TC Action: Discuss the status and next steps in the 2040 MTP development process, including the Learning Scenario.

Attachments: [2016-11-16 \(16-173\) SE Data-12 steps to the 2045 MTP.pdf](#)

11. Durham-Orange Light Rail Transit (D-O LRT) -- Funding (15 minutes)[16-206](#)**Patrick McDonough, GoTriangle**

The financial plan for the D-O LRT needs additional funding to mitigate the effects of several set backs, including a change in state transportation funding legislation and lower federal caps on annual funding outlays. A TC subcommittee met on 11/9 to discuss the possibility of using STP-BG (formerly STP-DA), CMAQ and/or TAP funding to help fill the D-O LRT funding gap. One suggestion was to allocate \$10 million of STP-BG and \$10 million of CMAQ funding to bicycle and pedestrian projects that are part of the D-O LRT project design. This \$20 million would be allocated over a ten-year period. The subcommittee did not make a decision on the allocation and it was agreed to forward the issue to the TC.

GoTriangle needs a decision on any such allocations by the end of December 2016 for the funding to help fill the gap. Thus, the TC would need to make a decision today, and forward a recommendation to the MPO Board for their December 14, 2016 meeting.

Several reference documents are attached, including:

- * STPDA-TAP Distribution Chart;
- * Policy for DCHC MPO Federal Funds; and,
- * A copy of two lists of bicycle and pedestrian projects in the D-O LRT design and a list of transit systems that have used STP-DA, CMAQ and similar funds for passenger rail projects.

TC Action: Discuss the funding allocation and make a recommendation.

Attachments: [2016-11-16 \(16-206\) Bike-Ped Facilities in D-O LRT.pdf](#)
[2016-11-16 \(16-206\) DCHC Policy for Federal Funds.pdf](#)
[2016-11-16 \(16-206\) STPDA-TAP Distribution Chart.pdf](#)

12. Election of Technical Committee Officers for 2017 (10 minutes)[16-201](#)**Felix Nwoko, LPA Staff**

The election of Technical Committee officers for the upcoming calendar year occurs during the last Technical Committee meeting of every year. The Technical Committee Chair is to appoint a nominating committee in November to report back to the Technical Committee in December.

The MPO Technical Committee Bylaws state that the term for Chair and Vice-Chair are one-year and officers cannot serve more than two consecutive terms. In addition, the Chair shall rotate among the jurisdictions represented in Durham County, Orange County, and Chatham County so that successive Chairs come from different counties. For example, if the Chair is from the City of Durham or Durham County, the next Chair shall be from Carrboro, Chapel Hill, Hillsborough, Orange County, or Chatham County. The Vice-Chair shall be from a jurisdiction located in one of the two other counties.

David Bonk and Ellen Beckmann are in their first terms as Technical Committee Chair and Vice-Chair, respectively, and are therefore eligible to serve another term in their current offices.

Chair Action: Appoint a nominating committee to report back to the Technical Committee in December.

REPORTS FROM STAFF:**13. Reports from Staff**[16-107](#)**Felix Nwoko, LPA Staff**

TC Action: Receive report from staff.

Attachments: [2016-11-16 \(16-107\) LPA staff report.pdf](#)

14. Report from the Chair[16-108](#)**David Bonk, TC Chair**

TC Action: Receive report from TC Chair.

15. NCDOT Reports[16-109](#)

Joey Hopkins (David Keilson/Richard Hancock), Division 5 - NCDOT
Mike Mills (Pat Wilson/Ed Lewis), Division 7 - NCDOT
Brandon Jones (Darius Sturdivant), Division 8 - NCDOT
Julie Bollinger, Transportation Planning Branch - NCDOT
Kelly Becker, Traffic Operations - NCDOT

TC Action: Receive reports from NCDOT.

Attachments: [2016-11-16 \(16-109\) NCDOT Progress Report.pdf](#)

INFORMATIONAL ITEMS:**Adjourn**

Next meeting: December 21, 9 a.m., Committee Room

Dates of Upcoming Transportation-Related Meetings:

Joint CAMPO-DCHC MPO Executive Board Meeting

November 30, 2016 9 a.m.-11:30 a.m.

Redbud Room, The Friday Center

Chapel Hill, NC