



**DCHC MPO Board  
Meeting Agenda**

Wednesday, September 14, 2016

9:00 AM

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

**1. Roll Call****2. Ethics Reminder**

It is the duty of every Board member to avoid conflicts of interest. Does any Board member have any known conflict of interest with respect to any matters coming before the Board today? If so, please identify the conflict and refrain from any participation in the particular matter involved.

**3. Adjustments to the Agenda****4. Public Comments****5. Directives to Staff**[16-100](#)

**Attachments:** [2016-09-14 MPO Board Directives to Staff.pdf](#)

**CONSENT AGENDA****6. August 10, 2016 Board Meeting Minutes**[16-185](#)

A copy of the August 10, 2016 Board Meeting Minutes is enclosed.

Approve the minutes of the August 10, 2016 Board meeting.

**Attachments:** [2016-09-14 8.10.2016 MPO Board Minutes.pdf](#)

**7. FY2017 Unified Planning Work Program (UPWP) Amendment #1  
Meg Scully, LPA Staff**[16-178](#)

Amendment #1 of the FY2017 UPWP proposes to re-allocate STPDA funds among task codes and obligate STPDA funds that had been de-obligated from the FY2016 UPWP. The attached memorandum and resolution with tables provides details.

**TC Action:** Recommended the Board approve FY2017 UPWP Amendment #1.

**Board Action:** Approve FY2017 UPWP Amendment #1.

**Attachments:** [2016-09-14 Memorandum FY17 UPWP Amend 1.pdf](#)

[2016-09-14 2017 UPWP amend 1 Resolution with table.pdf](#)

8. **Authorize Durham City Manager on behalf of DCHC MPO to enter into agreement with North Carolina Department of Transportation (NCDOT) for the Metropolitan Planning Program Grant (Section 5303) for FY17.** [16-184](#)  
**Meg Scully, LPA Staff**

The Metropolitan Planning Program Grant (section 5303) scope and budget for FY17 were approved by the MPO Board as part of the FY17 Unified Planning Work Program (UPWP) on February 10, 2016. The Durham City Manager, on behalf of DCHC MPO, is the contractor's authorized representative for the agreement between NCDOT and the City of Durham. The MPO Board must authorize the City Manager to enter into agreement with the NCDOT. A copy of the grant agreement is attached.

**TC Action:** Recommended the Board authorize the Durham City Manager to enter into agreement with NCDOT.

**Board Action:** Authorize the Durham City Manager to enter into agreement with NCDOT.

**Attachments:** [2016-09-14 Section 5303 FY17 Contract Materials.pdf](#)

9. **Approval of Amendment #4 to FY2016-2025 TIP** [16-182](#)  
**Felix Nwoko, LPA Staff**

The Amendment #4 to the DCHC MPO's FY2016-2025 Transportation Improvement Program (TIP) proposes minor adjustments to project schedules and funding. Amendment #4 to the DCHC MPO's FY2016-2025 does not propose changes in funding greater than \$1M or add any new projects to the TIP. A summary report of the changes included in Amendment #4 is included as an attachment to this agenda item. A full PDF report that depicts the original and proposed version of each project is also included as an attachment to this agenda item. The full PDF report is also available through the MPO's online database, using this link: [bitly.com/tipamendments](http://bitly.com/tipamendments). Select #4 from the drop-down menu to review the full report.

**TC Action:** Reviewed and recommended that the DCHC MPO Board approve the changes as described in Amendment #4 to the FY2016-2025 TIP.

**Board Action:** Approve Amendment #4 to the FY2016-2025 TIP.

**Attachments:** [2016-09-14 TIP Amendment 4 Summary Sheet.pdf](#)  
[2016-09-14-TIP-Amendment #4-FullReport.pdf](#)  
[2016-09-14 TIP Resolution - Amendment #4 - 16-25 TIP.pdf](#)

## **ACTION ITEMS**

**10. DCHC MPO Traffic Incident Management (TIM) Program Assessment**[16-180](#)**Report (10 minutes)****KC Chae, LPA Staff****Felix Nwoko, LPA Staff****David Graham, Gannett Fleming**

Transportation Plans and Congestion Management Process (CMP), required by FHWA, contain Operational and Management Strategies to improve the performance of existing transportation facilities to relieve vehicular congestion and maximize the safety and mobility of people and goods. Improved Traffic Incident Management (TIM) has been shown to reduce both incident duration and secondary crashes. National and local agencies as well as MPOs are realizing the importance of managing traffic and congestion given the financial strains on constructing new facilities. Development of TIM is also an element of the DCHC MPO 2040 MTP.

To help the DCHC MPO develop an effective TIM strategic direction that serves as the cornerstone for other Transportation Systems Management & Operations (TSM&O) activities and furthers their efforts to address federal congestion mitigation strategies, Gannett Fleming was hired.

An assessment was completed of TIM practices in the greater Durham, Orange and Chatham County areas. This assessment was to determine the status of regional efforts to clear traffic incidents in safe and timely manners, consistent with the MPO Congestion Mitigation Plan. During this assessment first responder agencies and personnel were solicited to complete an on-line survey, participate in project informational meetings and participation in a regional workshop, held on July 12, 2016.

A major goal for this assessment was to bring our regional incident responders together to facilitate better communication, cooperation and coordination for response to major incidents that affect the mobility of our local roadways. During this assessment a strategic plan and direction was also created. An objective of this strategic plan is to introduce and document an incident responder Memorandum of Understanding (MOU) that builds the foundation for improved traffic incident management in our region.

A consultant will present a summary of this TIM assessment report and the importance of the MOU toward improving the effectiveness of Incident Management in the region.

**TC Action:** Received the TIM Program Assessment Report; Recommended that Board authorize the Board Chair to transmit the MOU for signatures.

**Board Action:** Receive the TIM Program Assessment Report; Authorize the Board Chair to transmit the MOU for signatures

**Attachments:**[2016-09-14 TIM Presentation Slides.pdf](#)[2016-09-14 TIM Assessment Report Final.pdf](#)[2016-09-14 TIM Training Milestone Celebration Flyer.pdf](#)[2016-09-14 TIM DCHC MOU.pdf](#)[2016-09-14 TIM Transmittal Letter for MOU.pdf](#)

**11. SPOT P4.0 Division Needs Tier Project Priorities and Local Input**[16-179](#)**Points (15 minutes)****Dale McKeel, LPA Staff**

Background:

The DCHC MPO Technical Subcommittee met on May 3, 2016, August 5, 2016, and August 10, 2016 to review highway and non-highway projects that will be eligible to receive Local Input Points from the DCHC MPO for the Division Needs tier. At each of the meetings, the DCHC MPO Technical Subcommittee followed the guidance set forth in the DCHC MPO's adopted *Methodology for Identifying and Ranking New TIP Project Requests* to discuss and prepare the preliminary assignment of Local Input Points. The *Methodology* is available on the MPO's website:

<http://www.dchcmpo.org/programs/improvement/tip2027/default.asp#tabs3>.

The *Methodology* presents two guiding principles for the assignment of Local Input Points. The first is that the DCHC MPO's Local Input Points will be assigned to projects that aim to achieve the goals of the adopted Metropolitan Transportation Plan (MTP) and align with the priorities of the DCHC MPO area. The second is that the NCDOT SPOT P4.0 raw quantitative score will serve as the quantitative basis for the MPO's prioritization of projects. The *Methodology* goes on to outline six criteria for first determining project eligibility. The precursory review of project eligibility will consider factors, including:

- Is the project in the adopted MTP?
- Is the project in an adopted regional or local plan?
- Has a feasibility study been started or completed for the project?
- Has any preliminary engineering been started or completed for the project?
- Is the cost justified by the project benefits?
- Does the total cost to NCDOT exceed the amount of funding available for the respective funding tier?

The *Methodology* sets targets for the assignment of Local Input Points for each mode of transportation. The targets are set to achieve the goals of the adopted MTP and align with the priorities of the DCHC MPO area. The targets are to be considered and in conjunction with the six criteria for determining project eligibility described above and the six factors for assigning Local Input Points described below.

The final guidance outlined in the *Methodology* includes the consideration of six factors for assigning Local Input Points. Local Input Points will be assigned in priority order based on the goals below with the first goal being the highest priority and the last goal being a lower priority.

1. The likelihood of receiving funding through STI considering the amount of funding available within each Division or Region, historical funding levels for the mode, and the normalization limitations that NCDOT has adopted.
2. The priorities of the current MTP including the adopted distribution of funding between modes and the planning horizon year of projects.
3. The effect that receiving funding for a project may have on the likelihood of other projects being funded in the Division or Region considering the limitations set by the STI legislation.
4. If the project is located within an area of overlapping Environmental Justice Communities of Concern identified in the MPO's 2014 Environmental Justice Report.

5. Public input received during public input sessions.
6. Geographic and jurisdictional balance or equity.

The attachments to this agenda item present the recommendation from the DCHC MPO Technical Subcommittee of the priorities for the preliminary assignment of Local Input Points for the Division Needs tier. The timeframe for determining specific Point assignments for the Division Needs tier is August - October 2016.

**TC Action:** Recommended that the DCHC MPO Technical Committee support the recommended priorities for the preliminary assignment of Local Input Points for the Division Needs tier. Recommend that the DCHC MPO Board approve the Division Needs tier project priorities as shown in the attachments and release the assignment of Local Input Points for the public review and comment period. Recommended that the DCHC MPO Technical Committee and MPO Board grant DCHC MPO LPA staff the flexibility to coordinate with other MPOs, RPOs, and Divisions on the assignment of Local Input Points for the Division Needs tier and make modifications if necessary, to the preliminary assignment of DCHC MPO's Local Input Points to maximize the potential number of projects in the DCHC MPO area to receive funding through the NCDOT SPOT P4.0 process.

**Board Action:** Support the recommended priorities for the preliminary assignment of Local Input Points for the Division Needs tier. Recommend that the DCHC MPO Board approve the Division Needs tier project priorities as shown in the attachments and release the assignment of Local Input Points for the public review and comment period. Recommend that the DCHC MPO Board grant DCHC MPO LPA staff the flexibility to coordinate with other MPOs, RPOs, and Divisions on the assignment of Local Input Points for the Division Needs tier and make modifications, if necessary, to the preliminary assignment of DCHC MPO's Local Input Points to maximize the potential number of projects in the DCHC MPO area to receive funding through the NCDOT SPOT P4.0 process.

**Attachments:**      [2016-09-14 SPOT - PPT for SPOT P4.0 Points Assignment for Division Needs.r](#)  
[2016-09-14 SPOT - Preliminary DCHC MPO Preliminary Local Input Point Assig](#)  
[2016-09-14 SPOT - Projects Not Receiving Points.pdf](#)

**12. 2040 MTP Amendment #2 - Chapel Hill BRT -- Public Hearing (10 minutes)**[16-160](#)**Felix Nwoko, LPA Staff Manager**

The Board is to conduct a public hearing on Amendment #2 to the 2040 MTP and provide comments on the proposed resolution. The MPO released Amendment #2 at their August meeting for public comment. The Amendment changes references to the Chapel Hill BRT to make it clear that the route extends to Southern Village. Up to the time of releasing this agenda, the MPO had not received any public comments on this item. The MPO will accept public comments through September 26, 2016 and thereby comply with the minimum 42-day comment period stated in the MPO public involvement policy.

These changes are based on the Locally Preferred Alternative for Bus Rapid Transit (BRT) in the North-South corridor adopted by the Chapel Hill Town Council in April 2016, and will allow the Town to begin the Small Starts process by September 2016 to help obtain FTA funding for BRT development. The changes are shown in the relevant pages of Chapter 7 and Appendices 2 and 3 on Exhibit A of the attached resolution. This amendment will not update the financial plan of the 2040 MTP. The cost increase for the Chapel Hill BRT, approximately \$62 million, is a fraction of the \$6.8 billion total MTP cost. The 2040 MTP also had a surplus of \$67 million that can cover the cost increase related to this project.

Additional background information can be found at the following MPO Web page: <http://www.dchcmpo.org/programs/transport/2040mtp/default.asp>.

**Board Action:** Release the 2040 MTP Amendment #2 for a minimum 42-day public comment period and schedule a public hearing for the September Board meeting.

**Attachments:** [2016-09-14 2040-MTP-Amend2-ResAndChanges.pdf](#)

**13. Pickett Road Closing (10 minutes)**[16-170](#)**Felix Nwoko, LPA Staff Manager**

At the June 2016 MPO Board meeting, the Board directed staff to look into closing the unpaved portion of Pickett Road given the installation of a traffic signal at Erwin Rd. and Randolph Rd., and the recent official opening of Hollow Rock Nature Park. Given that the MPO has no direct role in road closings, the Technical Committee (TC) recommends that the MPO refer the matter to the agencies and government, i.e., Orange County, that must initiate the road closing process.

In 2011 and 2012, the MPO conducted a public meeting on the proposed closing and the TC subsequently made a recommendation to not close the road. The TC had decided to limit the evaluation to a transportation perspective and thus decided that the closing would reduce roadway connectivity and divert traffic into a residential neighborhood. See the attached 2012 memorandum, "Closing of Pickett Rd...", for details. Note that this memorandum has not been updated. The MPO Board then decided to table this issue at their June 2012 meeting.

It should be noted that any steps to close Pickett Road will involve the county (e.g., Orange County), the NCDOT and adjacent property owners. See the attached document "Process to Close a Public Right-of-Way," that compiles steps for abandoning a state road. Note that this document has not been updated. Both the Durham City Council and Durham Board of County Commissioners voted to support closing the road in 2011.

**TC Action:** Recommend that the MPO Board refer the road closing to the agencies and government that must initiate the road closing process.

**Board Action:** Refer the road closing to the agencies and government that must initiate the road closing process.

**Attachments:** [2016-09-14 PickettRdMemo\(6-13-12\).pdf](#)  
[2016-09-14 PickettRdStepToClose\(9-2-09\).pdf](#)

**14. 2045 MTP -- Socioeconomic Data -- Guide Totals (20 minutes)**[16-173](#)**John Hodges-Copple, TJCOG**

The MPO is developing forecasts for population and employment in the year 2045 for use in the Community Visualization land use model (CV 2.0) and Triangle Regional Model (TRM v6). The forecasts, which are often called guide totals, are at the county level. Staff will review, answer questions and receive comments on the methodology being used to develop the guide totals. Staff will present changes to the guide totals, assumptions used in CV 2.0, and local impacts of the land use model distribution of population and employment at a subsequent step in the 2045 MTP development process. See the attached Guide Totals tables and the "12 Steps to the 2040 MTP" (schedule), and a one-page summary of the key points of this presentation.

**TC Action:** Forward Guide Totals presentation to the MPO Board for comments.

**Board Action:** Receive Guide Totals presentation and provide comments.

**Attachments:** [2016-09-14 12 steps to the 2045 MTP.pdf](#)  
[2016-09-14 Key Points For Guide Totals.pdf](#)  
[2016-09-14 SE Data Guide Totals.pdf](#)

**15. Goals/Objectives/Performance Measures (15 minutes)**[16-110](#)**Felix Nwoko, LPA Staff Manager**

The MPO conducted a public input process for the draft Goals, Objectives, and Performance Measures and since March 2016 no changes have been made to the draft Goals and Objectives. Staff continued to work with CAMPO and local planners from the DCHC MPO to identify a feasible set of Performance Measures (PM) -- see the attached table. At this time, the draft Performance Measures do not have baseline or target values because the land use and transportation models that generate those numbers are in the process of being developed. Thus, staff requests that the Board receive this update on the Goals, Objectives and Performance Measures and provide any comments. The final Goals, Objectives and Performance Measures will be adopted at a later meeting when the models are completed and the baseline and target values for the Performance Measures have been reviewed by the Board and accepted.

**TC Action:** Forward the draft Goals, Objectives and Performance Measures to the MPO Board for review and comments.

**Board Action:** Receive the draft Goals, Objectives and Performance Measures for review and provide comments.

**Attachments:** [2016-09-14 G-Obj-PMs.pdf](#)

**16. Comprehensive Transportation Plan (CTP) Update (10 minutes)** [16-183](#)**Felix Nwoko, LPA Staff****Julie Bollinger, NCDOT**

The draft CTP was submitted to the North Carolina Department of Transportation (NCDOT) for their internal review. The first step of this process, called the peer review, is complete and staff is making suggested modifications so the process can move to the management review step. The objective of today's presentation is to familiarize Technical Committee (TC) members with the CTP format, review the proposed schedule and receive comments. 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>.

**TC Action:** Review draft CTP, provide comments and forward the presentation to the MPO Board.

**Board Action:** Review draft CTP and provide comments.

**Attachments:** [2016-09-14 CTP Update.pdf](#)

**REPORTS:****17. Report from the Board Chair** [16-101](#)**Steve Schewel, Board Chair**

**Board Action:** Receive the report from the Board Chair.

**18. Report from the Technical Committee Chair** [16-102](#)**David Bonk, TC Chair**

**Board Action:** Receive the report from the TC Chair.

**19. Report from LPA Staff** [16-103](#)**Felix Nwoko, LPA Manager**

**Board Action:** Receive the report from LPA Staff.

**Attachments:** [2016-09-14 LPA staff report.pdf](#)

**20. NCDOT Report** [16-104](#)**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**

**Board Action:** Receive the reports from NCDOT.

**Attachments:** [2016-09-14 NCDOT Progress Report.pdf](#)

**INFORMATIONAL ITEMS**

**21. Recent News Articles and Updates**

[16-105](#)

Attachments:      [2016-09-14 news\\_articles.pdf](#)

**Adjourn**

**Next meeting: October 12, 9 a.m., Committee Room**

**Dates of Upcoming Transportation-Related Meetings: None**