



## **Technical Committee Meeting Agenda**

Wednesday, July 26, 2017

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 May 24, 2017 TC Meeting Minutes**

[17-162](#)

A copy of the May 24, 2017 minutes is enclosed.

**TC Action:** Approve the minutes of the May 24, 2017 TC meeting.

**Attachments:** [2017-07-26 \(17-162\) TC Meeting Minutes 5.24.17.pdf](#)

### **ACTION ITEMS**

5. **Resolution in Support of Vision Zero Durham (15 minutes)**

[17-164](#)

**Terry Bellamy, City of Durham Director of Transportation**

The City of Durham Transportation Department is launching Vision Zero Durham, a roadway safety program, on August 1, 2017. First implemented in Sweden in the 1990s, Vision Zero has achieved great success in Europe and continues to gain momentum internationally. Approximately 39,822 crashes have occurred on Durham roadways from 2001-2014. One hundred and three pedestrians, cyclists, and motorists have died as a result of these crashes. The goal of Vision Zero Durham is to achieve zero fatalities and serious injuries on our roadways by working with our partners to implement the 5E Strategy - education, evaluation, enforcement, engineering, and encouragement. The City of Durham Transportation Department will host a Vision Zero kick-off meeting on August 1, 2017 at 2pm in the Committee Room (2nd floor, City Hall) with representatives from the City of Durham, Durham County, and various community organizations. At this meeting, we will discuss why Vision Zero is important for Durham and the role that our partners can play in promoting Vision Zero Durham. Members of the TC are invited to attend this event.

The City of Durham Transportation Department is currently in the process of scheduling a series of events for the second week of September for Vision Zero Durham week. The Transportation Department is also finalizing its Vision Zero Durham Action Plan, a document that will lay out our long and short-term strategies and goals for Vision Zero Durham.

Forward the resolution to the MPO Board.

**Attachments:** [2017-07-26 \(17-164\) Vision Zero Durham Resolution.pdf](#)

6. **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 FY18. (1 minute)** [17-165](#)

**Meg Scully, LPA Staff**

The Metropolitan Planning Program Grant (Section 5303) scope and budget for FY18 were approved by the MPO Board as part of the FY18 Unified Planning Work Program (UPWP) on February 8, 2017. 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:** Recommend the Board authorize the Durham City Manager to enter into agreement with NCDOT.

**Attachments:** [2017-07-26 \(17-165\) FY18 5303 contract for Board approval.pdf](#)

7. **FY18 Unified Planning Work Program Amendment Schedule and FY18 Grant Reporting Due Dates (5 minutes)** [17-166](#)

**Meg Scully, LPA Staff**

DCHC MPO is required by federal regulations to prepare an annual Unified Planning Work Program (UPWP) that details and guides the urban area transportation planning activities. On February 8, 2017, the DCHC MPO Board approved the FY18 UPWP with a period of performance from July 1, 2017, to June 30, 2018. Attached is the amendment schedule for the FY18 UPWP. Also attached for review are the grant reporting due dates for FY18.

Receive the amendment schedule for the FY18 UPWP and the grant reporting due dates for FY18.

**Attachments:** [2017-07-26 \(17-166\) FY18 UPWP Amendment Schedule.pdf](#)

[2017-07-26 \(17-166\) FY18 grant reporting dates.pdf](#)

**8. FFY17 Section 5307/5340 FULL Apportionment Split Letter (5 minutes)**[17-167](#)**Meg Scully, LPA Staff**

Section 5307/5340 funds are allocated to urbanized areas for transit capital and operating assistance, and for transportation-related planning. The MPO's full apportionment for FFY17 for each program was released by FTA and the LPA staff, in consultation with the four fixed-route transit operators, developed a recommended distribution of this funding. A 'split letter' to FTA regarding the allocation of these funds among transit operators must be approved by the Board to authorize the transit operators to seek applications for funding. Attached is the split letter to FTA and a memorandum with additional information on the 5307/5340 program.

Recommend that the Board approve the distribution and endorse the attached FFY17 FULL apportionment split letter.

**Attachments:**[2017-07-26 \(17-167\) Memo Section 5307-5340 FFY17 FULL apportionment.pdf](#)[2017-07-26 \(17-167\) FFY17 5307 FULL split letter.pdf](#)

**9. FY2018-27 TIP Update (15 minutes)**[17-152](#)**Aaron Cain, LPA Staff**

On June 22, 2017 NCDOT awarded CMAQ grants to DCHC MPO (see attached letter). All projects that were submitted and approved by the MPO Board were awarded their full funding request. In addition, the FY2018-27 Draft State Transportation Improvement Plan (STIP) was released on June 28, 2017. Several projects that were previously unfunded are now funded in the Draft STIP. These projects are shown in the attached document. No DCHC projects were removed in the most recent version of the Draft STIP.

The CMAQ and STIP projects, plus the STBDGA projects that have been reviewed by the MPO TC and Board, will form the Transportation Improvement Plan (TIP). Here is an updated timeline for the TIP:

July-August 2017 - MPO staff develops TIP

August 23, 2017 - TC reviews final draft of TIP, forwards to MPO Board

September 13, 2017 - MPO Board approves TIP

October 1, 2017 - Deadline for TIP to be congruent with STIP

There are three projects in the Draft STIP that MPO staff, in consultation with local government and NCDOT staff, recommend removing:

I-5702A - Managed lanes on I-40 from US-15/501 to the Durham Freeway;

I-5702B - Managed lanes on I-40 from the Durham Freeway to Wade Avenue; and

P-5710 - Grade separation of the Norfolk Southern line at Blackwell and Mangum streets.

Staff, and some elected officials on the MPO Board, have expressed concerns over cost and equity issues with managed lanes. The City of Durham does not at this time support a grade separation in the heart of Downtown. Division 5 staff have concurred with the removal of these projects. CAMPO staff will also have to concur in order to remove I-5702B since a portion of the project is in Wake County.

Per the DCHC MPO Public Involvement Plan, the Draft TIP must be published for a 21-day public comment period prior to adoption by the MPO Board. LPA staff will release the Draft TIP on August 23, 2017, and hold a public hearing on September 13, 2017 prior to adoption by the Board.

**TC Action:** Recommend to the MPO Board that projects I-5702A, I-5702B, and P-5710 be removed from the STIP. Recommend that the MPO Board release the Draft TIP for public comment.

**Attachments:**

[2017-07-26 \(17-152\) Draft STIP Changes 6-28-17.pdf](#)

[2017-07-26 \(17-152\) FY18-19 CMAQ Award Letter.pdf](#)

**10. SPOT 5.0 Update (30 minutes)**[17-153](#)**Aaron Cain, LPA Staff**

DCHC MPO staff has begun the process of entering projects for scoring into the SPOT 5.0 process, which rates projects across the state to determine which will be funded for the FY2020-29 Transportation Improvement Plan (TIP). A final list will be brought to the TC for its consideration at its August 23 meeting, and to the MPO Board for approval at its September 13 meeting. New project submissions are due by September 29.

A few projects that were scheduled to be submitted for SPOT 5.0 were included in the FY2018-27 Draft STIP that was released on June 28, 2017. Due to the inclusion of those projects, LPA staff will enter 34 highway and 35 bike/ped projects (rather than the 36 projects each) into the SPOT scoring system in order to obtain preliminary scores. Those preliminary scores will help guide staff in its recommendations of the final projects to be submitted for SPOT 5.0. DCHC is allowed to submit 23 projects per mode for final scoring (DCHC will submit 21 transit and 10 rail projects; therefore preliminary scores are not necessary).

Data is being compiled for bike/ped projects. Once that data has been compiled, LPA staff will obtain preliminary scores as quickly as possible and convene a subcommittee to discuss those scores.

In addition to the projects being submitted for SPOT 5.0, MPO staff has a deadline of August 25 to submit any modifications of carryover projects (see attached list). There are fewer projects to be modified or deleted primarily due to either a project becoming committed in the recently released Draft STIP (at which point it cannot be modified because it does not get rescored in SPOT), or the Division not agreeing to the modification. The MPO Board previously authorized staff to move forward with modifications and deletions.

NC Secretary of Transportation Trogdon encouraged all NCDOT divisions to investigate use of alternate criteria for highway projects for SPOT 5.0. All three divisions within the MPO jurisdiction have developed alternate criteria for regional and/or division projects (see attached). MPO staff is in agreement with the proposed alternate criteria and recommends that the TC forward it to the Board for its consideration.

**TC Action:** Review the list of proposed modifications and deletions. Recommend that the MPO Board endorse the proposed alternate criteria for highway projects in SPOT 5.0.

**Attachments:**[2017-07-26 \(17-153\) Modifications and Deletions for SPOT 5.0.pdf](#)[2017-07-26 \(17-153\) Proposed Alternate Criteria for SPOT 5.0.pdf](#)

11. **2045 Metropolitan Transportation Plan (MTP) -- Deficiency Analysis (20 minutes)** [17-155](#)

**Felix Nwoko, LPA Manager**

The Deficiency Analysis is the next step in the 2045 MTP development process. It uses regional, corridor and roadway level analysis to identify future transportation deficiencies. The attached presentation provides background information and examples of the analysis tools. All the detailed data, tables and maps are available on the Deficiencies tab of the MPO's 2045 MTP Web page: [www.bit.ly/DCHC-MTP](http://www.bit.ly/DCHC-MTP). The Community Plan land use scenario, on which the Deficiency Analysis is based, is already available on the Land Use tab of that Web site.

The proposed schedule for the 2045 MTP is as follows:

- \* Deficiency Analysis; Board release in June
- \* Alternatives Analysis, Board release in August
- \* Locally Preferred Alternative (LPA), Board release in October
- \* Adopted 2045 MTP, Board adopt in December.

**TC Action:** Forward Deficiency Analysis to the Board for review and release for public comment.

**Board Action:** Review and release for public comment.

**Attachments:** [2017-06-14 \(17-155\) DeficiencyAnalysis.pdf](#)

**12. New Position for Transit Planning Services for DCHC MPO (15 minutes)**[17-163](#)**Felix Nwoko, LPA Staff**

The Durham and Orange County Transit Plans, adopted in April 2017, include an expectation that each county would create a Staff Working Group (SWG) to develop Annual Transit Work Plans and review quarterly progress reports on the D-O LRT and other transit projects and services. Furthermore, the plans envision, and fund, an administrator to provide services to support the SWGs.

Subsequent discussions between DCHC, GoTriangle, and Triangle J Council of Governments (TJCOG) have determined that one position should be housed within DCHC to serve these functions. In addition to serving the SWGs, the position would also perform transit planning and other duties for DCHC. These duties are further described in the attached memo.

Should the MPO Board approve the position, the position request will move forward to the Durham City Council on August 21 for their approval as the lead planning agency. Once approved by the Durham City Council, LPA staff will advertise the position as soon as possible in order to fill the position by October 1, 2017 and meet upcoming requirements as called for in the County Transit Plans.

**TC Action:** Recommend to the MPO Board that the position of Transit Planner to support the recently adopted Durham and Orange County Transit Plans be approved.

**Attachments:**      [2017-07-26 \(17-163\) Transit Planner Position Memo.pdf](#)

**REPORTS FROM STAFF:****13. Report from Staff**[17-107](#)**Felix Nwoko, LPA Staff**

**TC Action:** Receive report from Staff.

**Attachments:**      [2017-07-26 \(17-107\) LPA staff report.pdf](#)

**14. Report from the Chair**[17-108](#)**Ellen Beckmann, TC Chair**

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

**15. NCDOT Reports**[17-109](#)

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 Branch - NCDOT

Traffic Operations - NCDOT

**TC Action:** Receive reports from NCDOT.

Attachments:      [2017-07-26 \(17-109\) NCDOT Progress Report.pdf](#)

**INFORMATIONAL ITEMS:**

**Adjourn**

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

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