



**DCHC MPO Board
Meeting Agenda**

Wednesday, August 9, 2017

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**[17-100](#)

Attachments: [2017-08-09 \(17-100\) MPO Board Directives to Staff.pdf](#)

CONSENT AGENDA**6. June 14, 2017 Board Meeting Minutes**[17-168](#)

A copy of the June 14, 2017 Board meeting minutes is enclosed.

Board Action: Approve the minutes of the June 14, 2017 Board meeting.

Attachments: [2017-08-09 \(17-168\) MPO Board Meeting Minutes 6.14.17_LPA2.pdf](#)

7. **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** [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: 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: [2017-08-09 \(17-165\) FY18 5303 contract for Board approval.pdf](#)

8. **FFY17 Section 5307/5340 FULL Apportionment Split Letter** [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.

TC Action: Recommended that the Board approve the distribution and endorse the attached FFY17 FULL apportionment split letter.

Board Action: Approve the distribution and endorse the attached FFY17 FULL apportionment split letter.

Attachments: [2017-08-09 \(17-167\) Memo Section 5307-5340 FFY17 FULL apportionment.pdf](#)
[2017-08-09 \(17-167\) FFY17 5307 FULL split letter.pdf](#)

ACTION ITEMS

9. Superstreets in North Carolina (30 minutes)[17-169](#)**James H. Dunlop, P.E., North Carolina Department of Transportation**

North Carolina is considered a leader in implementation of innovative intersection and interchange designs, including superstreets. A superstreet (also known as Synchronized Streets, J-turns, Reduced Conflict Intersections and RCUTs) redirects certain movements, typically side street lefts and throughs, to provide improved safety, capacity and operations. The first unsignalized superstreets were built in the state in 2000, and the first signalized superstreets were built in the Wilmington area in 2004-2005, with an early project completed in Chapel Hill in early 2008.

This presentation will provide a summary of the theory behind the superstreet concept, benefits for vehicular traffic as well as other travel modes, and implementation results.

Board Action: This item is for informational purposes only. There is no action required at this time.

10. Durham-Orange Light Rail Transit Entrance into Engineering Phase (20 minutes)[17-170](#)**Danny Rogers, GoTriangle**

On July 28, 2017, the Federal Transit Administration (FTA) approved GoTriangle's request to enter the New Starts Engineering phase of the FTA's Capital Investment Grants Program for the Durham-Orange Light Rail Transit project (D-O LRT). Danny Rogers, Project Director for D-O LRT, will present to the MPO Board what this means for the project and discuss next steps.

Board Action: This item is for informational purposes only. There is no action required at this time.

Attachments: [2017-08-09 \(17-170\) Durham-Orange Light Rail Transit Engineering Approval L](#)

11. 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 as soon as possible to 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.

Board Action: Approve the new position of Transit Planner.

Attachments: [2017-08-09 \(17-163\) Transit Planner Position Memo.pdf](#)

12. Resolution in Support of Vision Zero Durham (15 minutes)[17-164](#)**Terry Bellamy, City of Durham Director of Transportation**

The Durham Transportation Department launched 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 Durham Transportation Department hosted a Vision Zero Durham kick-off meeting on August 1, 2017 with representatives from the City of Durham, Durham County, the state, and various community organizations. At this meeting, Vision Zero Durham stakeholders discussed the importance of partnerships in achieving a successful Vision Zero program.

The 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 Durham 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.

TC Action: Forward the resolution to the MPO Board.

Board Action: Adopt the resolution in support of Vision Zero Durham.

Attachments: [2017-08-09 \(17-164\) MPOVisionZeroResolution.pdf](#)

13. 2045 Metropolitan Transportation Plan (MTP) -- Alternatives Analysis[17-155](#)**(20 minutes)****Andy Henry, LPA Staff**

The Board released the Deficiency Analysis for public input at their June meeting. The purpose of the Alternatives Analysis is to propose a variety of transportation investments and development foundations to address the expected transportation deficiencies, and to motivate public and agency discussion of the investments. The attached presentation provides an introduction to the Alternatives Analysis' metrics and maps. Staff will likely handout an updated presentation at the meeting that includes an initial comparison of the Alternatives. The metrics and maps are available on the MPO's Alternatives Analysis Web page: www.bit.ly/DCHC-MTP-Alternatives.

The proposed schedule for the 2045 MTP is as follows:

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

TC Action: Forward the Alternatives Analysis to the MPO Board and recommended that it be released for a 42-day public comment period

Board Action: Release the Alternatives Analysis for a 42-day public comment period

Attachments: [2017-08-09 \(17-155\) 2045 MTP - AltAnalysis.pdf](#)

14. FY2018-27 TIP Update (30 minutes)[17-152](#)**Aaron Cain, LPA Staff**

On June 22, 2017 NCDOT awarded CMAQ grants to DCHC MPO (see attached letter, revised July 31, 2017). All projects that were submitted and approved by the MPO 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 STIP (no DCHC projects were removed), which was approved by the State Board of Transportation last week. These projects are shown in the attached document.

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). On August 1, 2017, NCDOT notified LPA staff that the deadline for approval of the TIP has been pushed back to November 15, 2017. This will allow LPA staff to further develop the TIP for TC and Board review. 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 ask the Board to release the Draft TIP for public review and comment at its October meeting and hold a public hearing at the November meeting, prior to adoption by the Board.

There are three carryover projects in the Draft STIP that the TC recommended removing from the TIP and scoring in the upcoming SPOT 5.0 process:

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.

Division 5 staff has concurred with not scoring P-5710 in SPOT 5.0. However, there is concern from NCDOT and CAMPO staff (whose concurrence is required for the removal of I-5702B) regarding the removal of the managed lanes projects. While equity concerns and issues with funding higher priority projects within the I-40 corridor are acknowledged, there is a desire to allow the Regional Toll Study that is underway to continue, as well as planning and environmental studies, which will provide additional information about these projects. Therefore, LPA staff has conferred with NCDOT and CAMPO staff and the parties have agreed that should the managed lanes projects remain in the TIP and scored in SPOT 5.0, once the scoring for SPOT 5.0 is released in spring 2018, LPA staff can work with NCDOT to program the managed lanes projects in such a way that other projects are potentially not unduly affected by the corridor cap and may be programmed.

TC Recommendation: The TC recommended that the three projects listed above not be included in the FY2018-27 TIP and not be scored in SPOT 5.0. However, further discussion with NCDOT and CAMPO staff have resulted in a substitute proposal by staff to keep projects I-5702A and I-5702B in the upcoming FY2018-27 and rescore those projects for SPOT 5.0 with further discussion on the programming of those projects for the FY2020-29 STIP that could allow for other projects in the I-40 corridor to have access to funding.

Board Action: Not include project P-5710 in the FY2018-27 TIP and not have the project scored for SPOT 5.0. For projects I-5702A and I-5702B, either remove the projects from consideration in SPOT 5.0 and not include them in the FY2018-27 TIP, or allow them to be scored in SPOT 5.0 with the understanding that LPA staff will work with NCDOT during the development of the FY2020-29 STIP to address the corridor cap and funding of other priority projects.

Attachments: [2017-08-09 \(17-152\) Draft STIP Changes 6-28-17.pdf](#)
 [2017-08-09 \(17-152\) FY18-19 CMAQ Award Letter for DCHC.pdf](#)

15. 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 SPOT 5.0, which rates projects across the state to determine which will be funded in 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. DCHC may submit up to 23 projects per mode for SPOT 5.0 consideration.

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 and approved by the State Board of Transportation earlier this month. LPA staff is working with a subcommittee of local government staff to determine the 23 highway and 23 bike/ped projects that will be submitted for DCHC. Only 21 transit and 10 rail projects have been identified for scoring in SPOT 5.0.

In addition to the projects being submitted for SPOT 5.0, the deadline is August 25 to submit any modifications or deletions of carryover projects (see attached list). There are fewer projects to be modified or deleted than previously discussed 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. The TC recommended approval of the proposed alternate criteria at its July 26, 2017 meeting.

TC Action: Recommended that the MPO Board endorse the proposed alternate criteria for highway projects in SPOT 5.0.

Board Action: Endorse the proposed alternate criteria for highway projects in SPOT 5.0.

Attachments: [2017-08-09 \(17-153\) Projects for Removal or Modification in SPOT 5.pdf](#)
[2017-08-09 \(17-153\) Alternative Weights Options for SPOT 5.pdf](#)
[2017-08-09 \(17-153\) Letter to NCDOT Endorsing Alternative Weights.pdf](#)

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

Board Action: Receive the report from the Board Chair

17. **Report from the Technical Committee Chair** [17-102](#)
TC Chair

Board Action: Receive the report from the TC Chair.

18. **Report from LPA Staff** [17-103](#)
Felix Nwoko, LPA Manager

Board Action: Receive the report from LPA Staff.

Attachments: [2017-08-09 \(17-103\) LPA staff report.pdf](#)

19. **NCDOT Report** [17-104](#)

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

Board Action: Receive the reports from NCDOT.

Attachments: [2017-08-09 \(17-104\) NCDOT Progress Report.pdf](#)

INFORMATIONAL ITEMS

20. **Recent News Articles and Updates** [17-105](#)

Attachments: [2017-08-09 \(17-105\) news articles.pdf](#)

Adjourn

Next meeting: September 13, 9 a.m., Committee Room

Dates of Upcoming Transportation-Related Meetings: None