



Technical Committee Meeting Agenda

Wednesday, March 23, 2022

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 February 23, 2022 TC Meeting Minutes** [22-133](#)
Kayla Peloquin, LPA Staff

A copy of the February 23, 2022 TC meeting minutes is attached.

TC Action: Approve the minutes of the February 23, 2022 TC meeting.

Attachments: [2022-03-23 \(22-133\) 2.23 TC Minutes](#)

5. **Transportation Improvement Program (TIP) Amendment #10** [22-122](#)
Kayla Peloquin, LPA Staff

Transportation Improvement Program (TIP) Amendment #10 primarily consists of projects that have been amended in the State Transportation Improvement Program (STIP) by NCDOT, and therefore need to be amended in the DCHC MPO TIP.

The Public Involvement Policy (PIP) requires a 21-day public comment period because there is a change that exceeds \$1 million. The public comment period was advertised on the MPO website, through social media, and in the Herald Sun and the News of Orange. As of March 17, 2022, no public comments have been received.

The schedule is:

- February TC: recommended release for public comment
- March Board: released for public comment
- March TC: recommendation for approval
- April Board: adoption

TC Action: Recommend the Board adopt TIP Amendment #10.

Board Action: Adopt TIP Amendment #10.

Attachments: [2022-03-23 \(22-122\) TIP Amendment #10 Summary Sheet](#)
[2022-03-23 \(22-122\) TIP Amendment #10 Full Report](#)
[2022-03-23 \(22-122\) TIP Amendment #10 Resolution](#)

6. GoTriangle Regional Transit Center Letter of Support[22-131](#)**Jay Heikes, GoTriangle**

GoTriangle requests a letter of support from DCHC MPO for the submission of an application for a RAISE grant for the new Regional Transit Center (RTC). The new RTC will improve transit speed and reliability, address passenger amenity and operational needs, and provide new multi-modal connections. As a result, the new facility will increase equitable and sustainable access to destinations within Research Triangle Park and across the region as whole.

TC Action: Recommend that the Board Chair sign the support letter for the new Regional Transit Center.

Attachments: [2022-03-23 \(22-131\) GoTriangle Regional Transit Center RAISE Grant Letter of](#)

7. Adoption of New Triangle Regional Model Protocol (5 minutes)[22-134](#)**John Hodges-Copple, TJCOG****Aaron Cain, LPA Staff**

The Triangle Regional Model (TRM) is the transportation model used for forecasting and other purposes throughout the Triangle region. It is hosted and maintained at the Institute for Transportation Research and Education (ITRE), and is governed by a four-agency partnership consisting of the DCHC MPO, CAMPO, NCDOT, and GoTriangle. Triangle J Council of Governments (TJCOG) staff provide a forum for convening meetings and facilitating discussion among the partners. The TRM partnership wishes to update the TRM protocol, which requires approval by the MPO Board.

The purpose of the TRM protocol is to provide a clear structure and procedures for collaboration on the development, modification and maintenance of the mutually adopted TRM, and associated transportation modeling tools. Specifically, this protocol defines signatories to the protocol, responsibilities for maintenance and modification of different versions of the travel demand model and any ancillary modeling tools, procedures for distribution of the mutually adopted model, steps to amend this protocol, and, if necessary, how to dissolve participation with the TRM. In addition, the purpose of the protocol is to assure consistency of model sets, integrity of data sets, and the mutual support and buy-in of all signatory agencies.

The CAMPO Board and the GoTriangle Board of Trustees have already adopted the TRM Protocol. NCDOT has indicated it will sign the protocol as well.

TC Action: Recommend that the DCHC MPO Board adopt the TRM Protocol.

Attachments: [2022-03-23 \(22-134\) New TRM Protocol](#)

ACTION ITEMS

8. US 15-501 Corridor Study (15 minutes)[22-135](#)**Andy Henry, LPA staff**

In November 2020, the DCHC MPO Board did not approve the draft US 15-501 Corridor Study and asked staff to work with stakeholders to develop a plan that is acceptable to the stakeholders and meets the goals developed in the 2050 Metropolitan Transportation Plan (MTP) process. In March 2021, staff published a work statement for a consultant to finish the plan but did not receive any consultant bids. The low project budget, \$50,000, was a principal reason for not receiving bids. Subsequently, the MPO did not have the staff resources to move the project forward at that time. The staff and funding resources are now available.

Staff recommends increasing the project to \$150,000 and using a more flexible procurement process that will allow the MPO to work out a project scope with a qualified consultant. The attached memorandum provides the project background, identifies issues and alternatives for discussion, and recommends steps to move forward.

TC Action: Review proposed steps to move the US 15-501 Corridor Study forward, provide comments, and forward recommendation to the MPO board.

Attachments: [2022-03-23 \(22-135\) US 15-501 Corridor Study-FollowUp](#)

9. **Greater Triangle Commuter Rail Opportunity Analysis Overview: Summaries of Land Use, Affordable Housing and Travel Markets Analyses (30 minutes)** [22-137](#)

John Hodges-Copple, TJCOG

Staff from Triangle J Council of Governments (TJCOG) will deliver a presentation of the analysis including land uses, affordable housing inventories and proposals, and current employment-based travel markets related to the Greater Triangle Commuter Rail project.

As part of the second phase of the Greater Triangle Commuter Rail Feasibility Study, GoTriangle staff and consultants are assessing opportunities and concerns along the corridor to support informed decision-making regarding the project. TJCOG has analyzed affordable housing, travel markets, and development patterns and plans along the rail corridor to better understand the opportunities the project creates and provide insight into the communities that the project would affect. Each topic includes a detailed report, executive summary, and powerpoint summary. All materials will be available on the website, www.readyforrailnc.com.

TC Action: Receive a presentation on the Land Use, Affordable Housing and Travel Market analyses.

Attachments: [2022-03-23 \(22-137\) Housing Analysis Executive Summary](#)
[2022-03-23 \(22-137\) Land Use Executive Summary](#)
[2022-03-23 \(22-137\) Travel Executive Summary](#)

10. Triangle Bikeway Study (25 minutes)[21-157](#)**Iona Thomas, McAdams****Dale McKeel, LPA**

In 2020, the DCHC MPO and Capital Area MPO began work on the Triangle Bikeway Study, with McAdams serving as project consultants. The Triangle Bikeway Study includes design and construction recommendations between Raleigh and Research Triangle Park and a corridor assessment feasibility study for the connection west between Research Triangle Park and Chapel Hill. The study also includes recommendations for connections to transit along the corridor, existing and proposed bicycle and pedestrian facilities, neighborhoods, and other destinations.

The Research Triangle Park to Chapel Hill Feasibility Study includes an analysis of the segment from the Hub in Research Triangle Park to the US-15/501 and NC-54 interchange in Chapel Hill. The analysis provides the typical section of the bikeway, at-grade and grade-separated crossing layouts, conceptual structure type recommendations, conceptual right-of-way requirements, and rough impacts to streams, wetlands, and floodplains. The Raleigh to Research Triangle Park Implementation Study includes a preliminary functional design for the segment from I-440 in Raleigh to the Hub in Research Triangle Park. The functional design provides the typical section for the bikeway, at-grade and grade-separated crossing layouts, structure type recommendations, right-of-way requirements, and impacts to streams, wetlands, and floodplains.

The study is complete and the report is available for review. Iona Thomas of McAdams will present the study background, process, and recommendations at today's meeting. Staff recommends that the MPO Board release the draft report for a 30-day public comment period at their April meeting, and then conduct a public hearing at their May meeting, and approve the report at their June meeting. Attached documents include a presentation and the report.

TC Action: Receive the presentation, review the report, provide comments, and recommend that the MPO Board release the report for a 30-day public comment period.

Attachments: [2022-03-23 \(21-157\) Triangle Bikeway Presentation](#)
 [2022-03-23 \(21-157\) Triangle Bikeway Report](#)

11. **2022-2025 On Call Agreement Informational Presentation (10 Minutes)** [22-138](#)

Mariei Klein, LPA Staff

The 2022-2025 On Call Agreement period is set to begin in April. The On-Call agreement allows MPO jurisdictions to more efficiently execute contracts with on-call contractors in the areas of: Professional and Engineering Services, Data Collection and Analytics, and Community Engagement.

TC Action: Receive the informational presentation.

Attachments: [2022-03-23 \(22-138\) On Call Presentation](#)

12. **FY22 UPWP Amendment #2 (5 Minutes)** [22-132](#)

Mariei Klein, LPA Staff

FY22 UPWP Amendment #2 proposes to move \$200,000 from various task codes to provide additional needed funding for the US-70 Durham project. It also proposes to de-obligate \$400,000 in available STBG-DA funding in the FY22 UPWP to become available for programming in other funding opportunities such as the Call for Projects. All funds being re-allocated and/or de-obligated are programmed in the LPA's budget and will not affect local discretionary funds available to MPO jurisdictions.

TC Action: Recommended that the MPO Board approve FY22 UPWP Amendment #2

Board Action: Approve FY22 UPWP Amendment #2

Attachments: [2022-03-23 \(22-132\) UPWP Amendment #2 Memo](#)
[2022-03-23 \(22-132\) UPWP Amendment #2 Funding Table](#)
[2022-03-23 \(22-132\) UPWP Amendment #2 Resolution](#)

REPORTS FROM STAFF:

13. **Report from Staff** [22-107](#)

TC Action: Receive report from staff.

Attachments: [2021-03-23 \(22-103\) LPA staff report](#)

14. **Report from the Technical Committee Chair** [22-108](#)

Ellen Beckmann, TC Chair

TC Action: Receive the report from the TC Chair.

15. NCDOT Reports[22-109](#)

Brandon Jones (David Keilson), Division 5 - NCDOT
Wright Archer (Pat Wilson, Stephen Robinson), Division 7 - NCDOT
Patrick Norman (Bryan Kluchar), Division 8 - NCDOT
Julie Bogle, Transportation Planning Division - NCDOT
John Grant, Traffic Operations - NCDOT
Nick Morrison - NCDOT IMD
TC Action: Receive reports from NCDOT.

Attachments: [2022-03-23 \(22-109\) NCDOT Reports](#)

INFORMATIONAL ITEMS:**Adjourn**

Next meeting: April 27, 2022, 9 a.m., Meeting location to be determined.

Dates of Upcoming Transportation-Related Meetings: North Carolina Association of Metropolitan Planning Organizations (NCAMPO) Annual Conference April 20-22, 2022 in Wilmington, NC