



charlotte regional transportation planning organization

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TO: CRTPO Delegates & Alternates
FROM: Robert W. Cook, AICP
CRTPO Secretary
DATE: September 15, 2017

**SUBJECT: September 2017 Meeting
Charlotte Regional Transportation Planning Organization
Wednesday, September 20, 6:00 PM**

The September 2017 meeting of the Charlotte Regional Transportation Planning Organization (CRTPO) is scheduled for Wednesday, September 20, 2017.

The meeting will begin at 6:00 PM and will be held in Room 267 of the Charlotte-Mecklenburg Government Center, 600 E. Fourth St., Charlotte.

2020-2029 TIP Development Process (Prioritization 5.0) Public Comments

This meeting will serve as an opportunity for the public to comment on the projects proposed for submission as part of the development of the 2020-2029 TIP (Prioritization 5.0).

Presentations

[Click here](#) to view the presentations for the following agenda items:

- Agenda item #7: 2045 Metropolitan Transportation Plan: Fiscally-Constrained Projects
- Agenda item #8: 2018-2027 Transportation Improvement Program Adoption
- Agenda item #9: 2020-2029 TIP Development Process (Prioritization 5.0)

An education session will not be held before this meeting.

Accessing the Charlotte-Mecklenburg Government Center

The Charlotte-Mecklenburg Government Center is located at 600 E. Fourth St. (corner of Fourth and Davidson streets) in uptown Charlotte. Parking is available in the Government Center parking deck located on Davidson St. between Third and Fourth streets; on-street parking is also available.

There are two ways to enter the Government Center. Enter via the large staircase on the Davidson St. side or through the plaza entrance facing E. Fourth St. (This is a handicapped accessible entrance.) Once inside the building, security staff will assist you to Room 267.

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Acronyms

BOT	Board of Transportation
CATS	Charlotte Area Transit System
CDOT	Charlotte Department of Transportation
CMAQ	Congestion Mitigation & Air Quality
CMGC	Charlotte-Mecklenburg Government Center
CMP	Congestion Management Process
CRAFT	Charlotte Regional Alliance for Transportation
CRTPO	Charlotte Regional Transportation Planning Organization
CTP	Comprehensive Transportation Plan
DAQ	Division of Air Quality
EJ	Environmental justice
EPA	Environmental Protection Agency
FAST Act	Fixing America's Surface Transportation Act
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
GCLMPO	Gaston, Cleveland, Lincoln Metropolitan Planning Organization
GIS	Geographic information system
ITS	Intelligent transportation systems
LAP	Locally administered projects
MOU	Memorandum of Understanding
MPO	Metropolitan Planning Organization
MTP	Metropolitan Transportation Plan
NAAQS	National Ambient Air Quality Standards
NCAMPO	North Carolina Association of Metropolitan Planning Organizations
NCDOT	North Carolina Department of Transportation
NCDOT-PTD	North Carolina Department of Transportation – Public Transportation Division
NCDOT-TPB	North Carolina Department of Transportation – Transportation Planning Branch
NCTA	North Carolina Turnpike Authority
P5.0	Prioritization 5.0
PIP	Public Involvement Plan
PL	Planning funds
POC	Project Oversight Committee
SIP	State Implementation Plan (for air quality)
SPOT	Strategic Planning Office of Transportation
STBG-DA	Surface Transportation Block Grant Program-Direct Attributable
STIP	North Carolina State Transportation Improvement Program
TAP	Transportation Alternatives Program
TCC	Technical Coordinating Committee
TDM	Transportation Demand Management
TIP	Transportation Improvement Program
TMA	Transportation Management Area
UPWP	Unified Planning Work Program
UZA	Urbanized area

[Click here](#) to view the 2016 Delegates Handbook to view the Glossary of Terms & Acronyms.

Charlotte Regional Transportation Planning Organization

September 20, 2017

Room 267, Charlotte-Mecklenburg Government Center

6:00 PM Meeting Agenda

1. **Call to Order** Jim Taylor
2. **Adoption of the Agenda** Jim Taylor
3. **Public Comment Period** Jim Taylor
CRTPO bylaws limit speakers to three minutes each and the comment period to 20 minutes.
4. **Ethics Awareness & Conflict of Interest Reminder** Jim Taylor
5. **Approval of Minutes** Jim Taylor
ACTION REQUESTED: Approve the August 2017 meeting minutes as presented.

ATTACHMENT: Draft August 2017 minutes (To be provided under separate cover.)
6. **2016-2025 Transportation Improvement Program Amendments** Curtis Bridges
ACTION REQUESTED: Amend the 2016-2025 TIP to add the board-endorsed STBG-DA small roadway projects.

TCC RECOMMENDATION: At its September meeting, the Technical Coordinating Committee unanimously recommended that the board approve the amendments.

BACKGROUND: See the attached memorandum for details.

ATTACHMENT: Memorandum
7. **2045 Metropolitan Transportation Plan: Fiscally-Constrained Projects** Robert Cook
ACTION REQUESTED: Approve the 2045 MTP fiscally-constrained roadway project list.

TCC RECOMMENDATION: At its September meeting, the Technical Coordinating Committee unanimously recommended that the board approve the fiscally-constrained project list.

BACKGROUND:
 - *Based on the approved ranking methodology and revenue assumptions, all candidate projects were scored and cost estimates were produced.*
 - *Using that information, a draft fiscally constrained project list was developed with the assistance of the Roadway Ranking Review Committee (RRRC).*
 - *The lists cover the MTP's three horizon years: 2025; 2035; 2045. The 2025 horizon year consists primarily of projects fully or partially funded in the draft 2018-2027 Transportation Improvement Program.*
 - *A revision to the fiscally constrained project list was recommended by the Roadway Ranking Review Committee to add the NC 115 project in Cornelius to the 2045 horizon year.*

- The RRRC based its recommendation on the cascading of remaining funds within the Region E and Division 10 tiers, as well as a detailed cost estimate for the project prepared as part of a corridor study conducted by the Town of Cornelius.

ATTACHMENT: [Click here](#) to view the draft project list and financial assumptions.

8. 2018-2027 Transportation Improvement Program Adoption

Neil Burke

ACTION REQUESTED: Three actions are requested:

- a. Make an air quality conformity determination
- b. Adopt amendments to the 2040 Metropolitan Transportation Plan
- c. Adopt the 2018-2027 TIP

TCC RECOMMENDATION: At its September meeting, the Technical Coordinating Committee unanimously recommended that the board take the three actions listed above.

BACKGROUND:

- A 30-day public comment period for the revised TIP, 2040 MTP Amendments, and an air quality conformity determination was held from July 9 until August 16. A total of 91 comments were received.
- A summary of the public comments received on the 2018-2027 TIP adoption process can be viewed [here](#).
- A draft air quality conformity determination document for the 2018-2027 TIP adoption can be viewed [here](#). The document demonstrates that projects contained within the 2018 through 2021 program years of the TIP and the 2040 MTP amendments:
 - Conform with the 8-hour ozone standard; and
 - Conform to the purpose of the State Implementation Plan (SIP)
- A financial plan has been completed and funding sources and revenue estimates cover the cost of projects in 2018-2021 of the TIP, which are the program years recognized by the U.S. DOT.

ATTACHMENTS: Click on the following links to view the revised project lists: [Iredell County TIP Projects](#), [Mecklenburg County TIP Projects](#), [Union County TIP Projects](#), [Non-Highway TIP Projects](#), [2040 MTP Amendments](#)

9. 2020-2029 TIP Development Process (Prioritization 5.0)

Candice Rorie

ACTION REQUESTED: Approve the recommended project lists of all modes for submission to NCDOT for scoring in Prioritization 5.0 (P5.0), which will develop the 2020-2029 TIP.

TCC RECOMMENDATION: At its September meeting, the Technical Coordinating Committee unanimously recommended that the board approve the amendments.

BACKGROUND:

- A public comment period on the proposed project submittals began on August 17 and concluded on August 31. 16 public comments were received on projects proposed for submission to NCDOT for scoring in P5.0.
 - A summary of the public comments received for the P5.0 project submittals can be viewed [here](#).
- The CRTPO will need to endorse project submittal lists for all modes at the September meeting in order to submit them to the NCDOT database by the end of September for scoring in Prioritization 5.0.

ATTACHMENTS: Click on the following links to view the recommended P5.0 submittals by mode: [Aviation projects](#); [Bicycle & Pedestrian projects](#); [Rail projects](#); [Roadway projects](#); [Transit projects](#)

- 10. I-77 Express Lanes Contract** Beau Memory, NC Turnpike Authority
James Taylor, Mercator Advisors

ACTION REQUESTED: FYI

BACKGROUND: The purpose of this agenda item is to update the board on the status of the I-77 Express Lanes contract review.

- 11. Congestion Management Process** Radha Krishna Swayampakala
ACTION REQUESTED: FYI

BACKGROUND:

- *MPOs with a population exceeding 200,000 are required to carry out a congestion management process (CMP).*
- *The CMP is intended to evaluate alternative strategies for alleviating congestion that are not traditional single-occupant vehicle expansion projects.*
- *The CRTPO is in the process of updating its CMP with input from stakeholders to identify congested corridors and strategies.*
- *CMP components will be reviewed, along with project status and timeline information.*
- *For more information, visit the CMP webpage on the CRTPO website by clicking [here](#).*

- 12. Upcoming Agenda Items** Robert Cook
ACTION REQUESTED: FYI

BACKGROUND: A schedule of upcoming action items will be provided.

- 13. Adjourn**

CHARLOTTE REGIONAL TRANSPORTATION PLANNING ORGANIZATION
Charlotte-Mecklenburg Government Center, Room 267
August 16, 2017 Meeting
Summary Minutes

Members Attending:

Vi Lyles (Charlotte), Woody Washam (Cornelius), Beth Cashion (Davidson), Mark Gibbons (Huntersville), Michael Alvarez (Indian Trail), Jeff McNeely (Iredell County), Jim Taylor (Matthews), Jim Puckett (Mecklenburg County), Frederick Becker (Mineral Springs), Eddie Dinger (Mooresville), Jack Edwards (Pineville), Michael Johnson (Statesville), Richard Helms (Union County), James Warner (Waxhaw), Tracy Dodson (NCBOT-Division 10), John Pope (NCBOT-Division 12)

Non-Voting Members Attending:

Jim Walker (NC Turnpike Authority), Tony Lathrop (NCBOT-At Large)

1. Call to Order

Chairman Jim Taylor called the August 2017 CRTPO meeting to order at 6:05 PM.

2. Adoption of the Agenda

Summary:

Chairman Taylor stated that he recommended that the agenda be modified to hear public comment on agenda item #6, I-77 Express Lanes Contract, and agenda item #7, Catawba Crossings NC State Route Designation Resolution, to be heard following presentations on those items. Public comment on any other agenda item or topic would be heard during the standard Public Comment Period on the agenda.

Motion:

Mayor Washam made a motion to modify the agenda to hear public comment on agenda items #6 and #7 following the presentations on those items. Surluta Anthony seconded the motion. Upon being put to a vote, the motion to modify and adopt the agenda was approved unanimously.

3. Public Comment Period

There were no public comments other than those addressing agenda items #6 and #7.

4. Ethics Awareness & Conflict of Interest Reminder

Mr. Cook read the ethics awareness and conflict of interest reminder. Tracy Dodson and Tony Lathrop stated they would like to be recused from the discussion of agenda item #7, Catawba Crossings. Chairman Taylor stated that action to recuse them would be taken at the time that item is reached.

5. Approval of Minutes

Summary:

Chairman Taylor requested action on the July 2017 meeting minutes.

Motion:

Ms. Anthony made a motion to approve the July 2017 meeting minutes as presented. Mark Gibbons seconded the motion. Upon being put to a vote, the July 2017 meeting minutes were unanimously approved.

6. I-77 Express Lanes Contract

Presenters:

Beau Memory, NC Turnpike Authority
James Taylor, Mercator Advisors

Summary:

Beau Memory, Executive Director of the NC Turnpike Authority stated that the purpose of the presentation was to keep the board updated on the progress of the review of the I-77 express lanes contract. James Taylor of

Mercator Advisors was introduced by Mr. Memory. Mr. Taylor provided information via a Power Point presentation which is fully incorporated into the minutes and included as an attachment. The presentation reviewed the I-77 comprehensive agreement draft report. Board members posed questions following the presentation. Mark Gibbons asked how many amendments had been made to the comprehensive agreement. Mr. Taylor replied that seven amendments had been made. Chairman Taylor asked when the report will be complete and provided to the NC Secretary of Transportation for a decision. Mr. Memory replied that it is the NC Turnpike Authority's goal to have the report completed and provided to Secretary Trogon by September 22. Additional public engagement is likely after that date, but Mr. Memory did not speculate on Secretary Trogon's decision-making time frame.

Public Comment:

The following individuals addressed the board:

- Dr. Michael Miltich: Addressed design-related concerns associated with the project, specifically concerns associated with weave movements. Stated that citizens in northern Mecklenburg County would prefer no project to the one under construction. Asked that a minimum of three general purpose lanes be provided.
- Rick Monroe: Research that should have been done four or five years ago on the project needs to be completed, including an economic impact study.
- Sharon Hudson: Discussed the methods that Cintra uses to gain support for toll facilities.
- Julia Carr: Stated that the contract with I-77 Mobility Partners was flawed.

7. Catawba Crossings NC Route Designation Resolution

Presenter:

Bill Coxe, TCC Vice-Chairman

Summary:

Chairman Taylor asked for a motion to excuse Ms. Dodson and Mr. Lathrop from this agenda item. Michael Johnson made a motion to do so. Woody Washam seconded the motion. Upon being put to a vote, the motion was approved unanimously.

Mr. Coxe provided information to the board via a Power Point presentation, the contents of which are incorporated into the minutes. The presentation's purpose was to request that the board consider adopting a resolution supporting a NC state highway route designation for the Catawba Crossings that had been requested by the Gaston-Cleveland-Lincoln MPO (GCLMPO). The GCLMPO requested that the CRTPO adopt the resolution to assist in its request to have the Catawba Crossings STI tier elevated from Division Needs to Regional Impacts in the hope that doing so would result in a higher Prioritization score. The TCC's deliberations on the topic were discussed. In July, the TCC unanimously recommended that the board adopt a resolution in support of the designation for the entire corridor, from West Boulevard in Mecklenburg County to I-85 in Gaston County. In response to the board's discussion in July, the TCC reconsidered the matter at its August meeting but did not change its recommendation. Mr. Coxe then reviewed the key questions raised by the board in August and provided the TCC's responses. The board briefly discussed the issue and posed questions to Mr. Coxe, then moved to hear public comment (below).

The board discussed the matter further following the public comment period. Vi Lyles asked that Danny Pleasant, CDOT director and TCC chairman, to address the relationship of this project to the River District rezoning recently approved by the City of Charlotte. Mr. Gibbons asked if the GCLMPO's requested action was necessary to having the state highway designation approved. Division 10 Engineer Louis Mitchell replied that the support of both MPOs was important to state officials responsible for making the decision.

Public Comment:

The following individuals addressed the board in support of the Catawba Crossings project:

- Todd Piercell, City of Gastonia Mayor Pro Tem/GCLMPO chairman
- Ronnie Worley, Gaston County Commissioner
- Bryan Hough, Mayor, City of Mt. Holly
- Charlie Martin, Mayor, City of Belmont
- Demetrios Koutsoupas, Mayor Pro Tem, Town of Cramerton

- Bob Clay, Greater Gaston Development Corp.
- Martha Stowe, Mayor Pro Tem, City of Belmont
- Keith Kelly, Charlotte Chamber
- Jim Gallagher, Councilmember, City of Gastonia
- Will Neumann, Gaston County resident

The following individuals addressed the board in opposition to the Catawba Crossings project:

- Rep. Dana Bumgardner, NC House of Representatives
- Bill Toole, Charlotte resident
- Terry Lansdell, Clean Air Carolina

Motions:

A motion was made by Jeff McNeely to not support the resolution because it affects the 13 counties in Region F. The motion was seconded by Mr. Gibbons. Discussion followed, at which time Ms. Lyles noted her directed vote to support the resolution. Upon being put to a vote, 20 votes were cast in favor of the motion and 36 votes were cast in opposition. The motion failed. (Favor: Cornelius, Davidson, Huntersville, Indian Trail, Iredell County, Mecklenburg County, Mineral Springs, Mooresville, Pineville, Statesville, Union County, Waxhaw; Opposed: Charlotte, Matthews, Monroe, NCBOT-Division 12)

A second motion was made by Surluta Anthony to approve the resolution. The motion was seconded by Ms. Lyles. Upon being put to a vote, 36 votes were cast in favor of the motion and 20 votes were cast in opposition. The motion passed. (Favor: Charlotte, Matthews, Monroe, NCBOT-Division 12; Opposed: Cornelius, Davidson, Huntersville, Indian Trail, Iredell County, Mecklenburg County, Mineral Springs, Mooresville, Pineville, Statesville, Union County, Waxhaw)

Following the above motion, Chairman Taylor requested a motion to allow Ms. Dodson and Mr. Lathrop to return to the meeting. Beth Cashion made a motion to do so. Mr. Washam seconded the motion. Upon being put to a vote, the motion was unanimously approved.

8. 2016-2025 Transportation Improvement Program Amendments

Presenter:

Curtis Bridges

Summary:

Mr. Bridges stated that there were two TIP amendments for the board’s consideration.

1. TIP project EB-5829, Four Mile Creek Greenway: Approve an amendment to shift 10% of the project’s funding from construction to preliminary engineering. Project details are as follows:

Project Description	Summary of TIP amendment	Reason
Construct Four Mile Creek Greenway Crossing Under S. Trade Street (EB-5829)	<ul style="list-style-type: none"> • Reallocate \$111,400 of STBG-DA for this project from construction to preliminary engineering. 	To allow for preliminary engineering to be considered a STBG-DA reimbursable expense for this project.

2. Add the SPBG-DA bicycle and pedestrian projects approved at the May 2017 meeting to the TIP. Project details are as follows:

Project Description	STBG-DA Funding Requested	Project Phases
Belk Greenway Connector Phase 1 in Charlotte (New Project)	\$1,716,000 (PE: \$97,000; RW: \$69,000; CON: \$1,550,000)	PE Complete: FY-19 ROW Begin: FY-20 Let Date: FY-21 Project Complete: FY-22
Downtown Troutman Sidewalk Package (New Project)	\$801,806 (PE: \$55,263 RW: \$71,858; CON: \$674,685)	PE Complete: FY-19 ROW Begin: FY-19 Let Date: FY-20 Project Complete: FY-21

Waxhaw Indian Trail Complete Street in Indian Trail (New Project)	\$2,509,650 (CON: \$2,509,650)	PE Complete: FY-18 ROW Begin: FY-18 Let Date: FY-19 Project Complete: FY-21
Sam Newell Rd Multi-Use Path in Matthews (EB-5723)	\$640,000 (CON: \$640,000)	PE Complete: FY-18 ROW Begin: FY-18 Let Date: FY-19 Project Complete: FY-20
Richardson Greenway South in Troutman (New Project)	\$791,986 (CON: \$791,986)	PE Complete: FY-19 ROW Begin: FY-19 Let Date: FY-20 Project Complete: FY-21
Kincaid Multi-Use Path in Davidson (New Project)	\$701,780 (CON: \$701,780)	PE Complete: FY-17 ROW Begin: FY-17 Let Date: FY-18 Project Complete: FY-19

Chairman Taylor asked if both amendments were unanimously recommended by the TCC. Mr. Bridges replied that both were unanimously recommended.

Motion:

Mr. Gibbons made a motion to approve both TIP amendment requests. Mayor Becker seconded the motion. Upon being put to a vote, the motion was approved unanimously.

9. Independence Pointe Parkway CTP Alignment Modification

Presenter:

Kathi Ingrish, Town of Matthews

Summary:

Ms. Ingrish provided information to the board via a Power Point presentation, the contents of which are incorporated into the minutes. The presentation's purpose was to request that the board consider an amendment to the Comprehensive Transportation Plan (CTP) to modify the alignment of Independence Pointe Parkway in Matthews. The alignment options that had been considered were reviewed, along with issues and concerns identified during the public comment period. TCC and NCDOT concerns were also discussed. The TCC unanimously recommended that the "blue" option be approved by the board.

Motion:

Mr. Johnson made a motion to approve the CTP alignment modification for the Independence Pointe Parkway "blue" option. Mr. Gibbons seconded the motion. Upon being put to a vote, the motion was unanimously approved.

10. Draft Public Involvement Plan

Presenter:

Robert Cook

Summary:

Mr. Cook provided information to the board via a Power Point presentation, the contents of which are incorporated into the minutes. The presentation's purpose was to request that the board consider opening a 45-day public comment period on a draft update to the Public Involvement Plan (PIP). Metropolitan planning regulations require 45 day comment periods for updates and modifications to PIPs. If approved, the comment period will run from August 17 through October 2. Mr. Cook discussed the focus of the update: strengthen CRTPO's ability to engage with residents; review the current PIP to evaluate its effectiveness; develop a promotion strategy to utilize the latest technology.

Motion:

Mayor Becker made a motion to approve opening a 45-day public comment period on the draft PIP. Mr. Gibbon seconded the motion. Upon being put to a vote, the motion was unanimously approved.

11. 2020-2029 TIP Development Process (NCDOT Prioritization 5.0)

Presenter:

Robert Cook

Summary:

Mr. Cook provided information to the board via a Power Point presentation, the contents of which are incorporated into the minutes. The presentation's purpose was to obtain the board's approval of two requests:

1. Approve a change to the southern extent of the I-77 Express Lanes project to SC Line instead of I-485; and
2. Open a 14-day public comment period on the proposed P5.0 project submittals.

In addition to the requests, the presentation covered the following topics: Review the proposed P5.0 Highway project submittals; review the proposed P5.0 Non-Highway project submittals; review project submittal schedule. The proposed project lists for all modes were reviewed.

Motions:

Mr. Gibbons made a motion approve the modification to the southern project limit of the I-77 South project (I-5718A) to begin the project at the South Carolina state line instead of I-485. Mayor Becker seconded the motion. Upon being put to a vote, the motion was unanimously approved.

Ms. Cashion made a motion to approve the opening of a public comment period on the draft P5.0 project lists for all modes. Mr. Washam seconded the motion. Upon being put to a vote, the motion was unanimously approved.

12. 2018-2027 Transportation Improvement Program Adoption Update

Presenter:

Robert Cook

Summary:

Mr. Cook provided information to the board via a Power Point presentation, the contents of which are incorporated into the minutes. The presentation's purpose was to update the board on the process to adopt the 2018-2027 TIP. Topics covered included: public involvement update; financial plan update; information regarding the air quality conformity determination; adoption schedule.

The efforts to seek public comment were discussed. As of August 16, 91 comments had been received. The majority of the comments were in support of a proposed widening of NC 16 in Waxhaw. Other comments expressed opposition to the widening of John St./Old Monroe Road in Mecklenburg and Union counties. Staff is working on a financial plan that is currently in a draft stage (TIPs must be financially constrained). The board will be asked to adopt the 2018-2027 TIP in September.

13. 2045 Metropolitan Transportation Plan

Presenter:

Robert Cook

Summary:

Mr. Cook provided information to the board via a Power Point presentation, the contents of which are incorporated into the minutes. The presentation's purpose was to update the board on the development of the 2045 MTP. The original schedule had been for the board to adopt the fiscally-constrained project list at this meeting; however, the TCC delayed action on a recommendation due to a request from the Town of Cornelius to consider adding a project on NC 115 to the 2045 horizon year. The Roadway Ranking Review Committee will meet to consider the request and make a recommendation to the TCC, which will in turn act on its recommendation to the CRTPO board at its September meeting. Due to the delay, the public comment period was extended to August 30.

Public outreach efforts were discussed. One item of note was that the CRTPO for the first time paid for an ad on Facebook which reached close to 12,000 people and resulted in 500 people visiting the project website (www.2045MTP.org) and 30 new followers on the CRTPO Facebook page.

14. Ramp Metering Feasibility Study

The presenter on this item elected to defer the presentation to the September meeting.

15. Upcoming Agenda Items

Presenter:

Robert Cook

Summary:

Mr. Cook stated that the September meeting agenda will include three critical actions:

1. Adoption of the 2018-2027 TIP
2. Approval of the 2045 MTP fiscally-constrained roadway project list
3. Approval of the project lists for submittal to NCDOT's P5.0 database as part of the effort to prepare the 2020-2029 TIP

Action on all three items is time sensitive.

14. Adjourn

The meeting adjourned at 9:15 PM.

Review of the Comprehensive Agreement between
the North Carolina Department of Transportation
and I-77 Mobility Partners LLC

Draft Report for Public Comment

August 2017

Overview

NCDOT has initiated a review of the Comprehensive Agreement with I-77 Mobility Partners LLC. The objective is to identify and evaluate potential policy options that might address concerns expressed by members of the public regarding the implementation of the managed toll lanes concept and various provisions in the agreement.

This presentation highlights findings from the draft report and describes the policy options recommended for consideration.

Presentation Outline

- Contents of the Draft Report
- Key Findings and Observations
- Recommended Policy Options for Consideration
- Public Input

Contents of the Draft Report

1. Purpose and Scope of the Review
2. I-77 Express Lanes Project
3. Express Lanes Project Development and Status
4. Risk Allocation Assessment
5. Public and Stakeholder Input
6. Key Findings and Observations
7. Policy Options Recommended for Consideration

Contents of the Draft Report, *continued*

Appendix A – Illustrative Example of Termination for Convenience Calculation

Appendix B – 2017 Public Comments submitted to NCDOT website

Appendix C – 2016 Input from Local Jurisdictions

Appendix D – Committed Highway and Bonus Allocation Projects

The information presented in the Draft Report is not legal advice and the report is not a market valuation or an appraisal review.

The views and opinions provided in the Draft Report are strictly those of the authors. The report does not represent the opinions or policies of NCDOT, its agents, officers, or employees.

Key Findings and Observations

- The Comprehensive Agreement is reasonable, but inconsistent public engagement has undermined confidence in the public-private partnership (P3) project delivery approach.
 - Limited public engagement before P3 procurement was initiated
 - P3 presented as only financially viable alternative
 - Insufficient response to public concerns and questions
- The planning process did not provide sufficient opportunities for the public to evaluate the relative merits of express lanes and alternatives without tolls.
 - Focus on “immediate travel time reliability along I-77 from Uptown Charlotte to the Lake Norman area” precluded the examination of additional general purposes lanes in the environmental assessment.
- Public opinion reflects uncertainty about the express lanes concept.

Policy Options

Mercator has identified a range of potential policy options that might address questions and concerns expressed by members of the public.

Additional time and resources would be required to generate reliable cost estimates, to prepare traffic and revenue analyses and to conduct the necessary legal and other due diligence that would be required to implement any option. In addition, some options may trigger additional environmental review.

The policy options recommended for consideration are not listed in order of preference and they may not be mutually exclusive.

Policy Options, *continued*

- Terminate the Comprehensive Agreement and complete the Express Lanes Project using public funding or financing as it becomes available.

Key Challenges

- Securing the public funds required to pay the termination compensation and to complete construction of the Express Lanes Project.
- Potential impact on other transportation projects and programs.

Potential Costs

- The final termination payment would be determined by an independent appraiser plus the demobilization costs and other expenses incurred by the Private Partner and its subcontractors.
- Cost to stabilize the work zones along I-77 to ensure safe travel until construction is resumed
- Cost to complete construction of the Express Lanes Project

Policy Options, *continued*

- Terminate the Comprehensive Agreement and allow CRTPO to determine whether express lanes should remain in the transportation plan or be replaced or supplemented with other improvements based on available resources.

Key Challenges

- CRTPO would need time and resources to assess the impacts on regional transportation plans if the Express Lanes Project is not constructed.
- Potential impact on other transportation projects and transit programs.

Potential Costs

- Cost to NCDOT will be the termination compensation, the demobilization expenses incurred by the Private Partner and its subcontractors, and the cost to stabilize the work zone along I-77.
- At this conceptual stage of analysis, it is not possible to identify or quantify the potential impacts on local jurisdictions if the Express Lanes Project were cancelled.

Policy Options, *continued*

- Negotiate modifications to the project scope and/or the terms of the CA, such as:
 - Deferring or eliminating tolling of certain lanes,
 - Reducing the financial impact on frequent users,
 - Revising the truck restrictions to allow larger vehicles that can use the express lanes safely,
 - Encouraging greater use of the express lanes by allowing HOV-2 for some period of time, or
 - Modifying the compensation provisions for unplanned revenue impacting facilities.

Policy Options, *continued*

Key Challenges

- To reach agreement on changes to the project scope or the CA, NCDOT and the Private Partner would need to commit senior personnel and resources to the effort. In addition, some changes may require consent from the lenders.
- There is no assurance that the technical analysis will confirm the viability of any of the concepts or that the parties can reach agreement on the cost of any change.

Potential Costs

- The cost to evaluate and implement the concepts cannot be determined until the options are refined.

Policy Options, *continued*

- Work with CRTPO to identify and advance additional improvements to address mobility issues in the corridor.

Key Challenges

- NCDOT and CRTPO would need to commit resources to work with local jurisdictions to identify and advance options that could have a meaningful impact on long-term congestion in the corridor.

Potential Costs

- Cost will depend on the scope and location of the improvements.

Relevant examples include a \$11.6 million peak use shoulder lane added to a section of I-405 in Washington State that had two general purpose lanes and one express toll lane and the Georgia Direct Xpress Service Plan that includes development of new park-and-ride lots to enhance regional commuter bus service that uses tolled express lanes.

Policy Options, *continued*

- Develop preliminary plans to negotiate and finance the purchase of the Express Lanes Project after completion.

Key Challenges

- The feasibility of an acquisition after project completion would be driven by many variables beyond the control of NCDOT, such as the level of tax-exempt interest rates in the future.

Potential Costs

- Costs to NCDOT to evaluate this option would include the expenses associated with outside professional services, including a traffic and revenue consultant and legal and financial advisors.
- Cost to acquire the Express Lanes Project will depend in large part on the operating performance of the express lanes and projected toll revenue.

Public Review and Comment

Feedback, ideas and recommendations regarding the Draft Report can be emailed to i77feedback@ncdot.gov

Comments and suggestions can also be submitted on the I-77 Express Lanes project page on the NCDOT website:

<https://www.ncdot.gov/projects/I-77ExpressLanes/>

The public comments will be reviewed and incorporated in the final report, which is expected to be released in late summer.

To ensure comments are included in the final report, please submit them by Saturday, September 9, 2017.



TO: CRTPO Delegates & Alternates
 FROM: Erin Kinne
 Administrative Officer
 DATE: September 15, 2017

SUBJECT: 2017 STBG-DA Recommended Project List

ACTION REQUESTED: Add the following projects to the TIP and endorsing the funding amounts and project schedules.

BACKGROUND:

- There is currently \$29.1 million in STBG-DA funds available for allocation in FY 2021 of CRTPO’s TIP.
- A 60-day call for projects was held and 27 Roadway and Bicycle & Pedestrian project submittals were received, totaling over \$41 million in requested STBG-DA funds.
- Six Roadway Projects, eight Small Roadway Projects, and six Bicycle & Pedestrian projects were recommended for funding, based on STBG-DA criteria scores reviewed by the TCC.
- The six Bicycle & Pedestrian projects were approved for inclusion in the TIP at the August TCC and board meetings.
- The following Roadway and Small Roadway projects are recommended for inclusion in the TIP due to accelerated project schedules. The additional Roadway projects not listed here will be added during the adoption of the 2045 MTP in the spring of 2018.
- The Waxhaw-Indian Trail Road and New Town Road project was approved by CRTPO as one of the small intersection projects to be constructed with STBG-DA funds; however, Division 10 will fund this project with high hazard safety funds. The Project Oversight Committee will need to develop a recommendation to re-allocate the \$880,745 that has been approved for this project.

Project Description	STBG-DA Funding Requested	Project Phases
<i>Roadway Project</i>		
NC-51 Access Management Improvements (Park Rd - Carmel Rd) in Pineville	\$2,000,000 (CON: \$2,000,000)	PE Complete: FY-19 ROW Begin: FY-19 Let Date: FY-20 Project Complete: FY-21
<i>Small Roadway Projects</i>		
Potter Rd & Wesley Chapel Rd Roundabout in Wesley Chapel	\$773,099 (PE: \$93,143; RW: \$59,000; CON: \$620,956)	PE Complete: FY-18 ROW Begin: FY-19 Let Date: FY-19 Project Complete: FY-19
New Town Rd & Marvin Rd Roundabout in Marvin	\$661,695 (PE: \$75,000; RW: \$45,000; CON: \$541,695)	PE Complete: FY-18 ROW Begin: FY-19 Let Date: FY-19 Project Complete: FY-19

<p>NC-200 & Old Charlotte Hwy Intersection Improvements in Monroe</p>	<p>\$921,702 (PE: \$112,395; RW: \$60,000; CON: \$749,307)</p>	<p>PE Complete: FY-19 ROW Begin: FY-19 Let Date: FY-20 Project Complete: FY-20</p>
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Project Description	STBG-DA Funding Requested	Project Description
<i>Small Roadway Projects (cont'd)</i>		
<p>Weddington-Matthews Rd & Tilley Morris Rd Roundabout in Weddington</p>	<p>\$759,730 (PE: \$85,000; RW: \$51,750; CON: \$622,980)</p>	<p>PE Complete: FY-18 ROW Begin: FY-18 Let Date: FY-19 Project Complete: FY-19</p>
<p>Chestnut Lane & Weddington- Matthews Rd Roundabout in Union County</p>	<p>\$876,844 (PE: \$100,000; RW: \$60,000; CON: \$716,844)</p>	<p>PE Complete: FY-18 ROW Begin: FY-18 Let Date: FY-19 Project Complete: FY-19</p>
<p>Davidson-Concord Rd & Robert Walker Dr Roundabout in Davidson</p>	<p>\$1,008,931 (CON: \$1,008,931)</p>	<p>PE Complete: FY-17 ROW Begin: FY-17 Let Date: FY-18 Project Complete: FY-18</p>

CRTPO TECHNICAL COORDINATING COMMITTEE
Summary Meeting Minutes
Charlotte-Mecklenburg Government Center
Room 267
August 3, 2017

Voting Members: *Chair* - Danny Pleasant (City Manager's Office), *Vice-Chair* - Bill Coxe (Huntersville), David McDonald (CATS), Becky Chambers – alt for Dan Leaver (Charlotte E&PM), Jonathan Wells – alt for Ed McKinney (C-M Planning), Andrew Grant (Cornelius), Travis Johnson (Davidson), Barry Whitesides – alt for Matthew Todd (Iredell County), Kathi Ingrish – alt for Susan Habina Woolard (Matthews), Megan Green (Mecklenburg County – LUESA), Chris Breedlove (Mint Hill), Cami Weckerly (phone) – alt for Allison Kraft (Mooresville), Lisa Stiwinter (Monroe), Scott Cole - alt for Louis Mitchell (NCDOT – Div. 10), Anil Panicker – alt for Mark Stafford (NCDOT – Div. 12), Andy Bailey (NCDOT-TPB), Kevin Parker – alt for Chris Easterly (Stallings), Sherry Ashley (Statesville), Erika Martin (Troutman), Bjorn Hansen (Union County), Dennis Rorie (Waxhaw), Will Washam (Bicycle Focus Area Representative), Joyce Figueroa – alt for Gwen Cook (Greenway Focus Area Representative), Scott Curry (Pedestrian Focus Area Representative), Dick Winters (Public Health Focus Area Representative)

Staff: Robert Cook (CRTPO), Curtis Bridges (CRTPO), Neil Burke (CRTPO), Erin Kinne (CRTPO), Candice Rorie (CRTPO), Andy Grzymski (CDOT), Anna Gallup (CDOT), Norm Steinman (CDOT), Jeff Furr (Charlotte E&PM), Loretta Barren (FHWA), Stuart Basham (NCDOT – Div. 10), Wendy Taylor (NCDOT – Div. 10), Lee Ainsworth (NCDOT – Div. 10), Tony Tagliaferri (NCDOT- Div. 10), Steve Bridges (NCDOT – Div. 12), Dalton Pierce (Indian Trail), Hank Graham (GCLMPO), Troy Peoples (Gastonia-Engineering), Kristy Crisp (Gastonia Econ. Dev.), Danny Jackson (Mt. Holly), Brian DuPont (Mt. Holly), Jessica Hill (Centralina COG)

Guests: Mark Gibbons (Huntersville Town Board), Bill Thunberg (LNTC), Joe Lesch (Gresham Smith), Radha Swayampakala (RS&H), Nick Landa (RS&H), Todd Steiss (WSP), Alf Badgett (Atkins), Roger Diedrich (Sierra Club), Mark Kramer (Greater Gaston Econ. Dev. Corp.)

Danny Pleasant opened the meeting at 10:00 a.m. TCC members, staff, and guests introduced themselves.

Mr. Pleasant also explained that he has accepted a position as an Interim Assistant City Manager within the Charlotte City Manager's Office. He will continue to preside as TCC chairman for the foreseeable future, but may need to relinquish his duties at some point before the end of his term at the end of the calendar year.

1. Adoption of the Agenda

Mr. Pleasant asked if any adjustments were necessary to today's TCC agenda. Bill Coxe requested that the July TCC minutes are moved to the regular agenda to clarify the intent of a motion for the Catawba Crossings agenda item.

He then asked if any additional changes to the agenda are necessary. Hearing none, the amended August agenda was adopted by acclamation.

2. Consideration of Consent Agenda

Mr. Pleasant explained that the revised consent agenda for the August meeting contained the following TIP amendments:

- Approval of TIP amendment for Four Mile Creek Greenway/S. Trade St Crossing (EB-5829)

- Approval of six TIP amendments for bicycle and pedestrian projects from 2017 STBG-DA call for projects.

Motion:

Will Washam made a motion to adopt the consent agenda. Erika Martin seconded the motion. The motion passed unanimously.

TCC BUSINESS ITEMS

3.1 July 2017 TCC Minutes

Presenter: Bill Coxe

Summary/Action Requested:

Mr. Coxe requested that the motion made within the July TCC meeting minutes for the Catawba Crossings corridor is clarified to include the following points in conjunction with the approval of this document. Mr. Coxe added that he listened to the tape to reaffirm the discussions and motions for this agenda item.

- The statement made by Mr. Pleasant prior to the motion should add the reference “the entire corridor from NC 160 in Charlotte to I-85 in Gaston County.”
- The motion made by Bjorn Hansen should reference a corridor and not a specific project.
- The motion should be referenced to the entire East-West (Gaston Parkway) project from NC 160 in Charlotte to I-85 in Gaston County.
- The revised motion within the July TCC meeting minutes should read as follows: “Bjorn Hansen made the motion to recommend to the MPO that it endorse a resolution that supports an NC route designation for entire length of the Catawba Crossings corridor from NC 160 in Charlotte to I-85 in Gaston County. Mr. Coxe seconded the motion. Upon being put to a vote, the motion passed unanimously.”

Motion:

Mr. Coxe made the motion to recommend to the MPO that it approve the list of STBG-DA roadway and bicycle/pedestrian projects. Jonathan Wells seconded the motion. The motion passed unanimously.

3.2 Independence Pointe Parkway CTP Alignment Modification

Presenter: Kathi Ingrish, Matthews

Summary:

Ms. Ingrish provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). The presentation covered the following points:

- Ms. Ingrish began her presentation by reviewing the alignment alternatives that have been developed in consultation with CRTPO and Division 10 staff members.
- The alignment that was adopted by the Town of Matthews (blue route) begins at Matthews-Mint Hill Road and would traverse an alignment adjacent to the County Sportsplex, the CPCC Levine Campus, and a future residential subdivision before ending at the future McKee Road Extension.
- Ms. Ingrish explained that the old alignment travelled through the sportsplex and would have separated two of the fields from the remainder of the facility.
- She summarized the comments received during the public comment period.
 - There was significant opposition to the red and black alignments from citizens within two residential subdivisions.

- The blue alignment may impact the ability for CPCC and County Solid Waste to effectively use their property.
- Ms. Ingrish summarized the discussion of this agenda item during the July 26 Transportation Staff Meeting.
 - There is approximately 160 feet that is available for future alignments between the existing sportsplex and public works facility parking lots.
 - Concern was expressed that the blue alignment may not have adequate right-of-way to accommodate both the future Independence Pointe Parkway and the proposed Lynx Silver Line alignment. CATS staff had agreed to set up a follow up meeting, and Division 10 had agreed to include this analysis as part of the US 74 corridor (U-2509) environmental document.
 - A reconsideration of the red and black alignments was not recommended due to their impacts on the existing Rainbow Ridge Subdivision and a greater impact on the County site.
- Ms. Ingrish concluded her presentation by reviewing a schedule that identified the dates for the public comment period (May 18 through June 16), and consideration of approving the CTP amendment at the July TCC and MPO meetings.

Mr. Coxe confirmed that Division 10 could incorporate a cross-section feasibility analysis for the future roadway and light rail alignments. Scott Cole explained that the Independence Pointe Parkway alignment is an element of the committed U-2509 project; therefore this can be included within the scope of the environmental document.

Motion:

Mr. Coxe made a motion to recommend to the MPO that it adopt the blue alignment of the Independence Pointe Parkway, amend the CTP highway map, and recommend that Division 10 include the cross-section feasibility analysis for both the Independence Pointe Parkway and the future Lynx Silver Line alignment within the scope of the U-2509 environmental document. Sherry Ashley seconded the motion. The motion passed unanimously.

3.3 2045 Metropolitan Transportation Plan

Presenter: Neil Burke

Summary/Action Requested:

Mr. Burke provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). The presentation covered the following points:

- Mr. Burke began his presentation by stating that action is being requested to recommend that the MPO approve the 2045 MTP draft fiscally constrained roadway project list.
- He explained that this agenda item was discussed in detail during the August 2 Transportation Staff meeting, and the Town of Cornelius had made a recommendation to include the NC 115 widening project between Washam Potts Road and Potts Street in the 2045 horizon year.
 - The Roadway Ranking Review Committee and TCC members attending the Transportation Staff meeting had expressed concerns with the ability to deliver this project given the corridors proximity to the Norfolk Southern "O" Line and potential impacts to historically-eligible properties along the west side of the corridor.
- He reviewed the MTP development schedule by explaining that the CRTPO board approved the opening of a two week public comment period on the draft fiscally constrained list at its July 19 meeting.

- Mr. Burke summarized the various methods of public engagement used during the two-week public comment period which included social media promotion, small group meetings and a special edition newsletter.
- Mr. Burke explained that over 150 comments were received through the interactive mapping application on the MTP project website, and 10 comments were received via e-mail.
- He explained that many of the resident comments expressed support for projects within the draft fiscally constrained project list, but there were also a series of comments that encouraged additional transit and bicycle and pedestrian projects within the fiscally constrained project list.
- Mr. Burke summarized comments received from the Charlotte chapter of the Sierra Club, which included recommendations for additional transit investment, concerns with the weight imbalances between congestion and accessibility, and contained a suggestion to reward projects that incorporate Travel Demand Management strategies.
- He explained that staff would develop responses to the comments received during the public comment period and post them to the project website.
- Mr. Burke concluded his presentation and TCC members asked questions and provided comments.

Mr. Coxe stated that the MTP's goals and objectives help to frame the project ranking criteria but there can be flexibility within the criteria to identify the most competitive projects that will score well in future rounds of STI (NCDOT Prioritization). This comment was stated in response to concerns raised by the Sierra Club regarding inconsistencies between the goals and objectives and the ranking criteria for roadway projects within the MTP.

Bjorn Hansen inquired about the impact of the release of the revised 2018-2027 STIP and its effect on the financial assumptions for the 2045 MTP. Mr. Burke explained that two projects moved from the 2035 horizon year to the 2025 horizon year because of their status as committed projects in the revised STIP. Loretta Barren explained that inflation between the initial and revised 2018-2027 STIP was reduced by two percent.

Andrew Grant explained that the NC 115 project (Washam Potts Road to Potts Street) is a high priority to the Town of Cornelius, and he stated that he will make an alternate motion for the TCC to delay its vote to recommend the adoption of the fiscally constrained project list to allow the Roadway Ranking Review Committee (RRRC) to revisit its recommendation within the 2045 horizon year of Region E. He provided the following justifications for the delay in action today:

- The Town of Cornelius is nearing completion on a corridor study along NC 115 with CRTPO UPWP funds that has shown that a three-lane widening project is feasible between Washam Potts Road and Potts Street.
- The recommended project from the feasibility study was appropriately scored within the 2045 MTP.
- Both the US 21 (Sunset Road-Harris Blvd) (MTP ID 3065) and the NC 115 project in Cornelius (Washam Potts Road – Potts St) (MTP ID 3008) received the same MTP score of 90.
- Even though more expensive, the MTP ID 3065 project was recommended for inclusion in the 2045 horizon year
- This project is currently within the 2040 horizon year of the current MTP.

- The project has the same MTP score (90) as the last project in the 2045 horizon year of the draft fiscally constrained project list. This project is the US 21 widening project from Sunset Road to Harris Boulevard.

Motion:

Mr. Grant made a motion to delay the recommendation for the MPO to approve the fiscally constrained roadway project list from the 2045 MTP until the September TCC meeting to allow for the RRRC to meet again to reconsider its recommendation within the 2045 horizon year of Region E. Mr. Coxe seconded for discussion purposes only.

Discussion:

Mr. Pleasant asked for clarification regarding the RRRC's recommendation of the US 21 project in Charlotte over the NC 115 project in Cornelius. Mr. Burke explained that the RRRC recommended the US 21 project because of the inflated cost of the NC 115 project would leave \$61 million unspent within the 2045 horizon year of Region E.

Mr. Pleasant responded to state that there should be an adequate amount of interpretation of the funds available in the outer horizon year of the plan. Mr. Burke explained that the escalation rates of the projects in the 2045 horizon year would not allow for both the US 21 and NC 115 projects to be included and meet fiscal constraint.

Mr. Grant clarified that there are other options than exchanging the US 21 project in Charlotte with the NC 115 project in Cornelius. He recommended that the RRRC is convened for one more meeting to evaluate all of the potential options and recommend the most appropriate one.

Mr. Coxe asked about the implications of delaying the vote on the fiscally constrained project list by one month. Mr. Burke explained that staff has started the interagency consultation process with NCDOT and its regional MPO partners, which relates to the air quality conformity process. He also added that it may become confusing for the MPO to take action on the fiscally constrained project list, the approval of the 2018-2027 TIP, and the endorsement of projects for P5.0 in September. Anna Gallup stated that at least one other MPO will not actually adopt its fiscally constrained project list until September, therefore a one-month delay in the CRTPO adoption of its list would be permissible.

Mr. Coxe expressed concern with the delay of this action, which would burden the September TCC and MPO agendas with a series of important actions less than two months prior to municipal elections.

Robert Cook reminded the TCC that these projects are being considered in the 2045 horizon year, the MTP are updated every four years, and the NC 115 project in Cornelius is recommended for resubmission in Prioritization 5.0.

Vote:

The motion passed with Mr. Coxe (Huntersville) voting in opposition of the motion.

3.4 Draft Public Involvement Plan

Presenter: Neil Burke

Summary/Action Requested:

Mr. Burke provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). The presentation covered the following points:

- Mr. Burke began his presentation by stating that today's requested action was to recommend to the MPO that it open a 45-day public comment period on the draft PIP.
- An update to the CRTPO's Public Involvement Plan was a recommendation in its 2016 Certification Review.
- The updated document contains recommendations that are focused on creating opportunities for active and convenient participation through the use of social media, online interactive software and conducting outreach activities at existing events.
- The revised PIP has updated public involvement strategies based upon changes to the MTP and TIP development processes since the first PIP was adopted in 2005.
- If approved, the Public Involvement Plan public engagement period would begin on August 17 and conclude on October 2.
- Mr. Burke concluded his presentation by stating that action will be requested to recommend the adoption of the updated PIP at the November TCC meeting.

Motion:

Lisa Stiwwinter made a motion to recommend to the MPO that it open a 45-day public comment period on the draft PIP. Mr. Wells seconded the motion. The motion passed unanimously.

3.5. NCDOT 2020-2029 STIP Development (P5.0) Update

Presenter: Neil Burke

Summary/Action Requested:

Mr. Burke provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). The presentation covered the following points:

- Mr. Burke began his presentation by stating that the requested actions with this item were to:
 - a. Recommend that the MPO approve the modification to the southern project limit of the I-77 Express Lanes project (I-5718A) to begin the project at the South Carolina State Line instead of at I-485. This project is considered a "carryover" project for P5.0.
 - b. Recommend that the MPO approve the opening of a public comment period on the draft P5.0 project lists for all modes.
- The public comment period would begin on Thursday, August 17 and conclude on August 31.
- He then summarized the process that the P5.0 Roadway subcommittee undertook to develop the recommended project lists by reviewing carryover, holding tank, and new projects from the 2035 and 2045 horizon years of the draft fiscally constrained project lists.
 - There are 56 total roadway projects that have been recommended for P5.0.
 - 10 of the 56 projects will be automatically submitted for P5.0 without using one of CRTPO's 46 submittal slots.
- Mr. Burke summarized the recommended project submittals for the non-highway modes.
 - 22 bicycle and pedestrian projects have been reviewed and recommended by the Bicycle and Pedestrian Work Group.
 - 9 Transit projects are being recommended by CATS and Iredell County Area Transit System.
 - 10 Rail projects are being recommended through consultation with the Charlotte DOT, and NCDOT-Rail Division.

- 38 Aviation projects are being recommended for submittal from the Charlotte-Douglas, Charlotte-Monroe Executive, and the Statesville Regional Airports.

Anil Panicker inquired about the five recommended P5.0 roadway submittals for I-77 south between the Brookshire Freeway and South Carolina and how they would be affected by the corridor cap. Mr. Burke responded that the corridor cap would prevent all five projects from being funded in the 2020-2029 TIP, however; it is recommended that all five projects are re-submitted in P5.0 to maintain consistency with the project limits for the I-77 feasibility study and future environmental document.

Mr. Coxe explained that the P5.0 roadway subcommittee did not recommend the submission of the I-77 general purpose lane project from I-485 in Charlotte to Catawba Avenue (Exit 28) in Cornelius because the subcommittee could not identify an accurate cost that included a compensation event penalty from the I-77 Express Lane project.

Motion:

Mr. Coxe made a motion to recommend to the MPO that it approve the modification to the southern project limit of the I-77 Express Lanes project (I-5718A) to begin the project at the South Carolina State Line instead of at I-485; and, Recommend that the MPO approve the opening of a 14-day public comment period on the draft P5.0 project lists for all modes. Mr. Hansen seconded the motion. The motion passed unanimously.

TCC INFORMATION REPORTS

4.1. 2018-2027 TIP Adoption Process Update

Presenter: Neil Burke

Summary:

Mr. Burke provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). The presentation covered the following points:

- Mr. Burke began his presentation by stating that a public comment period began on the DRAFT 2018-2027 TIP, the 2040 MTP amendments and an air quality conformity determination on July 9. The public comment period will conclude on August 16.
- He explained that 44 comments have been submitted on the DRAFT 2018-2027 TIP to date, with the greatest number of comments (36) expressing support for the NC 16 (U-5769) widening projects in Weddington and Waxhaw.
- A financial plan to demonstrate that the 2018-2027 TIP is financially constrained is under development using the data from the revised STIP. The financial plan will cover program years 2018 through 2021 since these are the years that FHWA recognizes.
- A draft air quality conformity determination document has been posted to the CRTPO's TIP webpage. The emissions expected from the 2018-2021 TIP years and the 2040 MTP amendments have been shown to be in conformity with the 8-hour ozone standards and conforms to the purpose of the State Implementation Plan.
- Action will be requested by the TCC in September to recommend to the MPO that it adopt the 2018-2027 TIP, the 2040 MTP amendments, and an air quality conformity determination.

4.2 Catawba Crossings NC Route Designation Resolution

Presenter: Bill Coxe

Summary:

Mr. Coxe provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). The presentation covered the following points:

- Mr. Coxe began his presentation by summarizing the previous action by the TCC during the July meeting to endorse the concept of a corridor re-designation of a Catawba Crossings corridor to be a future NC highway. He explained that the action by the TCC was unanimous, but the MPO had questioned the rationale for the TCC vote.
- He then reviewed an aerial map of the Catawba River corridor and explained that there only three crossings of the Catawba River between Mecklenburg and Gaston Counties, and several miles of spacing between the current bridges.
- Mr. Coxe stated that he believed that the TCC saw the merit in endorsing the resolution to support the corridor re-designation given the traffic volumes along I-85 as well as the Charlotte-Douglas Airport expansion plans.
- Mr. Coxe emphasized that the resolution is in reference to a proposed corridor and not a specific project.
- He explained that a substitute resolution was discussed during the August 2 Transportation Staff meeting, but ultimately TCC members decided against bringing a revised document for action during today's TCC meeting. Mr. Coxe stated that this may further complicate the questions that the MPO has asked the TCC to answer regarding the Catawba Crossings corridor.

Mr. Pleasant stated that there has not been any roadway design work completed on the Mecklenburg County portion of this corridor, and the City of Charlotte is in the process of finalizing the planning work for the River One district and the Airport expansion. He added that interchange modifications will also be needed in the location where this future corridor intersects I-485.

Mr. Pleasant explained that CRTPO staff will need to complete a conceptual roadway design for the Mecklenburg County portion of this project to identify the future right-of-way that will need to be reserved. The completion this work will allow for the TCC to adequately answer the MPO's questions regarding the corridor.

Mr. Hansen stated that the traffic projections for the former Garden Parkway project could be used as a guide to estimate future traffic volumes for this corridor as well as I-85. He explained that he believed that the I-85 widening project would likely exceed the capacity of the new lanes within 10 years of being open to traffic.

4.3 Ramp Metering Feasibility Study

Presenter: Scott Cole (NCDOT-Division 10) and Alf Badgett (Atkins)

Summary:

- Mr. Cole provided an introduction for the ramp metering feasibility study by stating that there was financial commitment from the three MPOs within the Charlotte region to undertake this study, and several TCC members have been involved on the steering committee for this project.
- He explained that a final report has been completed along with an implementation plan.
- Mr. Cole explained that NCDOT-Division 10 may consider submitting a ramp metering project for NCDOT Prioritization 5.0.

Mr. Badgett provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). The presentation covered the following points:

- Mr. Badgett began his presentation by explaining that freeway ramp metering helps to mitigate congestion by managing the rate of traffic entering the freeway from the on-ramp.
- He explained the phases of the feasibility study which included data collection, site screening and analysis, cost estimation, revision of design standards, and the development of an implementation plan.
- Mr. Badgett stated that initially 241 sites were identified throughout Cabarrus, Gaston, Iredell, and Mecklenburg Counties, and this was screened down to 50 sites following a detailed site evaluation and analysis.
- He concluded his presentation by detailing the implementation plan where the potential sites were prioritized by calculating a benefit-cost ratio throughout a 10-year horizon. The list was prioritized by corridor because ramp meters have been proven to be most effective when implemented along a freeway corridor with several interchanges being upgraded with ramp meters.

Mr. Grant encouraged NCDOT-Division 10 to coordinate with local jurisdictions if consideration is being given to submitting a ramp meter project in Prioritization 5.0. He added that there will be a learning curve for residents that do not understand the benefits of this technology.

Mr. Coxe encouraged NCDOT to attempt to accommodate ramp meters at the recommended sites along with the design of active projects within the DRAFT TIP. Mr. Cole explained that this is a feasibility study and additional design will be required before these sites can be incorporated into active projects that are in development.

Travis Johnson stated that Davidson is about to undertake a mobility plan and he encouraged the ramp metering project team to participate in the public outreach process to educate residents on the benefits of ramp metering.

Mr. Pleasant left the meeting at 11:59 a.m. and Mr. Coxe presided over the remainder of the meeting.

OTHER REPORTS

5.1. NCDOT Report

- Mr. Cole provided a summary of the John Street/Old Monroe Road widening project (U-4714) meeting that was held in Matthews earlier this week.
- The focus of this meeting was to address concerns that residents of Matthews have with the initial design of a super street proposed between South Trade Street and I-485.
- The purpose of this meeting was to provide responses from NCDOT in regards to a letter written by the Town of Matthews in March with several recommended design modifications for U-4714.
- Mr. Cole stated that over 240 residents attended and provided feedback to NCDOT on this project.

Stuart Basham provided an update on behalf of NCDOT-Division 10:

- Construction of several bridge and culvert structures is underway in the Lake Park and Hemby Bridge areas of the Monroe Expressway project. . The intersection at US 74 and Stallings Road has been closed since July 23rd for widening and reconstruction of that intersection. Austin-Chaney Road between McIntyre Road and Monroe-Ansonville Road in Wingate is closed until August 7th for construction of the Expressway.
- There is ongoing mainline work on the Independence Boulevard project near the Sharon Forest Drive area. Work is expected to be complete by the end September.
- A project was recently let for a roundabout at Waxhaw-Indian Trail Road/Beulah Church Road. Construction started on July 24 and will last for approximately six weeks.

- The NC 51 and Idlewild Road intersection was closed on June 23 to construct a multi-lane roundabout at this location. The project has experienced delays due to utility relocation issues. The project is expected to open to traffic on August 28 – the first day of school.
- Work began on June 20th to convert four major intersections along US 74 in Indian Trail to superstreets. Those intersections are located at Wesley Chapel Stouts/Sardis Church Road, Faith Church Road, Unionville-Indian Trail Road, and Indian Trail-Fairview Road. That project is scheduled for completion in November of 2018.

Anil Panicker provided an update on behalf of NCDOT-Division 12:

- NCDOT-Congestion Management is undertaking a new traffic forecast for the Brawley School Road widening project between Talbert Road and US 21, and a public meeting will be scheduled in the fall.

Andy Bailey provided updates on several CTP-related items:

- The GCLMPO Board approved CTP amendments for the Gaston East-West Parkway to amend its highway map to reference this facility as a boulevard classification instead of the previous designation of freeway.
- Once CRTPO has approved the CTP map modifications for the Independence Pointe Parkway, staff will need to work with TPB staff to amend the statewide CTP highway map to reflect the new alignment.

5.2. Bicycle and Pedestrian Work Group Report

Mr. Bridges stated the Bicycle and Pedestrian Work Group (BPWG) has developed bicycle and pedestrian performance measures and will present these during the CMP/Performance Measures Task Force meeting this afternoon.

5.3. Upcoming Issues

Mr. Burke reminded the TCC of the following upcoming actions during the September meeting:

- Recommendation to approve the 2045 MTP fiscally constrained project list;
- Recommendation to adopt the 2018-2027 TIP, 2040 MTP amendments, and an air quality conformity determination; and,
- Recommendation to endorse the project submittals for the 2020-2029 TIP Development process (Prioritization 5.0).

Mr. Coxe reminded the TCC that the North Carolina Turnpike Authority (NCTA) will be releasing a draft report prepared by Mercator Advisors regarding the contract for the I-77 Express Lanes on or after August 7.

Candice Rorie explained that a call for CRTPO traffic count projects will begin in August or September. Additional details will be sent out in an email shortly. The call for projects will be at least three weeks in length.

Mr. Cook explained that TCC members will receive an email shortly regarding a call for FY 2019 local projects in the forthcoming UPWP. The deadline will likely be September 29.

6. Adjourn: Mr. Coxe determined that the agenda had been adequately completed and adjourned the meeting at 12:13 p.m.