

TCC MEMBERS

Danny Pleasant, Chair
Charlotte City Manager's Office

Bill Coxe, Vice-Chair
Town of Huntersville

Charlotte Department of Transportation

Charlotte-Douglas International Airport

Charlotte Engineering & Property Management

Charlotte-Mecklenburg Planning Department

Town of Cornelius

Town of Davidson

Town of Fairview

Town of Huntersville

Town of Indian Trail

Iredell County

Town of Marshville

Town of Marvin

Town of Matthews

Mecklenburg County Land Use & Environmental
Services Agency

Metropolitan Transit Commission

Town of Mineral Springs

Town of Mint Hill

City of Monroe

Town of Mooresville

NCDOT - Division 10

NCDOT - Division 12

NCDOT - Public Transportation Division

NCDOT - Transportation Planning Branch

Town of Pineville

Town of Stallings

City of Statesville

Town of Troutman

Union County

Town of Waxhaw

Town of Weddington

Village of Wesley Chapel

Town of Wingate

Bicycle Focus Area Representative

Greenway Focus Area Representative

Pedestrian Focus Area Representative

Public Health Focus Area Representative

Federal Highway Administration

(Ex-officio member)



TECHNICAL COORDINATING COMMITTEE

Agenda Packet

Thursday, September 7, 2017
10:00 a.m.-Noon

Charlotte-Mecklenburg Government Center
Room 267 (Second Floor)
600 East Fourth Street
Charlotte, NC 28202

September TCC AGENDA ITEMS:

1. 2045 Metropolitan Transportation Plan
2. 2018-2027 Transportation Improvement Program
3. 2020-2029 TIP Development Process (NCDOT Prioritization 5.0)
4. Congestion Management Process Update

CRTPO Staff Contact:

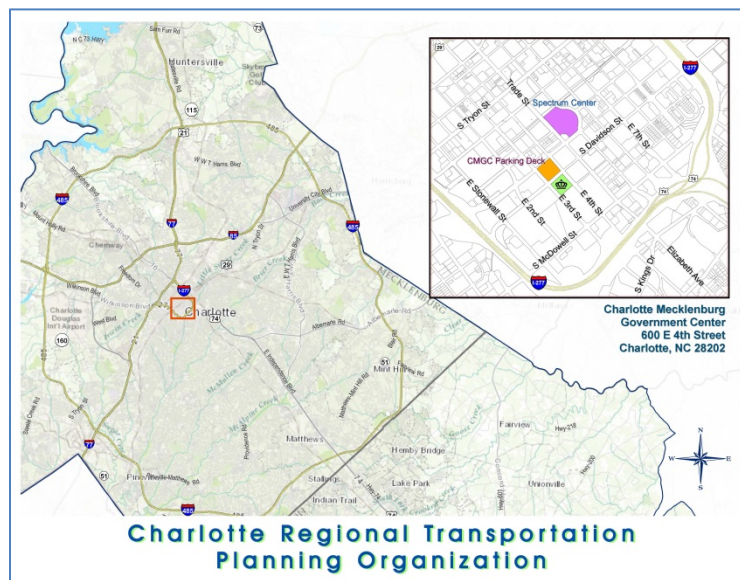
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Title VI Policy

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The Charlotte Regional Transportation Planning Organization coordinates transportation planning initiatives in Iredell, Mecklenburg, and the urbanized portion of Union Counties. The Technical Coordinating Committee (TCC) is the staff arm of CRTPO. The TCC is composed of representatives of various departments and communities that are involved in the transportation planning process, and this committee provides consensus-based technical recommendations to the MPO board.

Unless otherwise noted, CRTPO TCC and MPO meetings are held in Room 267 (second floor) of the Charlotte-Mecklenburg Government Center (CMGC), located at 600 East Fourth Street in Uptown Charlotte.



Parking is available in the CMGC parking deck on Davidson Street between Third and Fourth Streets. Parking tickets from the CMGC Deck can be validated by CRTPO staff if they are brought to the meeting.

There are two ways to enter the CMGC. Enter via the large staircase on the Davidson Street 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. Security measures have been improved recently, so please allow more time for entering the building.

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TECHNICAL COORDINATING COMMITTEE MEETING AGENDA

Thursday, September 7, 2017 | 10:00 a.m.

Room 267(Second Floor), Charlotte-Mecklenburg Government Center
600 East Fourth Street, Charlotte, NC 28202

1. **CALL TO ORDER (5 minutes)** **Danny Pleasant**

 - 1) Introductions
 - 2) Adoption of Today's Agenda
2. **CONSENT AGENDA (5 minutes)** **Danny Pleasant**

 - 1) Approval of August 3, 2017 TCC Minutes
 - 2) Approval of STBG-DA Small Roadway Project TIP Amendments
3. **TCC BUSINESS ITEMS (45 Minutes)**

- 1) **2045 Metropolitan Transportation Plan** **Neil Burke**
REQUESTED ACTION: Recommend that the MPO approve the 2045 MTP revised fiscally constrained roadway project list.

BACKGROUND:

- A public comment period began on July 20 and concluded on August 30.
 - A total of 257 comments were received through e-mails and from the online interactive map regarding projects proposed for inclusion in the 2045 MTP's fiscally constrained project list.
 - A summary of public comments and staff responses can be viewed [here](#).
- A summary of comments received during the public comment period will be presented.
- A revision to the fiscally constrained project list has been 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 and a cost estimate for the NC 115 project as part of a 2017 UPWP study.

ATTACHMENT: 8-14-2017 RRRC Meeting Summary; The DRAFT 2045 MTP fiscally constrained projects can be viewed [here](#).

- 2) **2018-2027 Transportation Improvement Program** **Robert Cook**
ACTION REQUESTED: Recommend to the MPO that it adopt the 2018-2027 TIP, 2040 MTP amendments, and an air quality conformity determination.

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 standards; and,
 - Conform to the purpose of the 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](#)

- 3) **2020-2029 TIP Development Process (NCDOT Prioritization 5.0)** **Neil Burke**
ACTION REQUESTED: Recommend that the MPO 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.

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 during the September meetings and 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 projects P5.0 submittals by mode: [Recommended Aviation Projects](#); [Recommended Bicycle & Pedestrian Projects](#); [Recommended Rail Projects](#); [Recommended Roadway Projects](#); [Recommended Transit Projects](#)

4. **TCC INFORMATION REPORTS (15 Minutes)**

- 1) **Congestion Management Process Update** **Radha Krishna Swayampakala**
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.

- *The CRTPO is in the process of updating its CMP with input from stakeholders to identify congested corridors and strategies.*
- *Key components of the CMP will be provided, along with an update on the status and timeline.*
- *For more information, please visit the CMP webpage on CRTPO website by clicking [here](#).*

4. **OTHER REPORTS (10 Minutes)**

- 1) NCDOT Report
- 2) Bicycle and Pedestrian Work Group Report
- 3) Upcoming Issues

Curtis Bridges

5. **ADJOURN**

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.



TO: TCC Members
 FROM: Erin Kinne
 Administrative Officer
 DATE: September 1, 2017

**SUBJECT: 2017 STBG-DA Recommended Project List
 September 7 TCC Meeting**

ACTION REQUESTED: Recommend to the MPO that it consider adding 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 MPO 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 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-20 Let Date: FY-21 Project Complete: FY-22
<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

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



Meeting Summary

Roadway Ranking Review Committee

Meeting Date: August 14, 2017

Location: Room 801, CMGC

Subject: Review Draft Fiscally Constrained Project List

Attendees:

RRRC Members

Andy Grzymiski, CDOT
Anna Gallup, CDOT
Stephen Trott, Huntersville
Andrew Ventresca, Statesville (phone)

Support Staff/Consultant Team

Neil Burke, CRTPO
Bob Cook, CRTPO

Other

Andrew Grant, Cornelius
Travis Johnson, Davidson (phone)

Nick Landa, RS&H

Radha Krishna Swayampakala, RS&H

1. Meeting Purpose

- Consider adding NC 115 from Washam Potts Rd to Potts St (MTP ID 3008), in Cornelius, to the 2045 MTP draft fiscally constrained project list

2. Background

- MTP ID 3008 was not included on the 2045 MTP draft fiscally constrained project list
- MTP ID 3065 was included on the 2045 MTP draft fiscally constrained project list
 - o The above projects both have the same score
 - o MTP ID 3065 is a sibling project to other MTP projects in the same corridor and is considered an important project to improve connectivity in that part of the county
 - o The feasibility of constructing MTP ID 3008 was in question
 - o The MTP ID 3008 estimated project cost of \$19.5M did not allow for MTP ID 3065 and MTP ID 3008 to both be included in Horizon Year (HY) 2045 for Region E
- At its August 3rd meeting, the T\$19.5CC recommended the RRRC reconvene to discuss the feasibility of including MTP project ID 3008 to the draft 2045 MTP project list
- Andrew Grant, from Cornelius, attended a meeting of the RRRC on August 14th and presented the feasibility of project ID 3008 as follows:
 - o MTP ID 3008 has the same score as MTP ID 3065, a project that is included on the 2045 MTP draft fiscally constrained project list in HY 2045
 - o MTP ID 3008 is included in the current 2040 MTP, indicating previous priority
 - o MTP ID 3008 is feasible based on a UPWP feasibility study being conducted by WSP

- o The cost estimate assigned to MTP ID 3008 for the MTP project evaluation process is potentially too high
 - RRRC preferred that if a new cost estimate is proposed, it should be derived from the feasibility study currently underway
 - Cornelius indicated they would request a planning level cost estimate from WSP to provide to CRTPO (by August 25th)

3. Documentation

- NCDOT Prioritization allows Regional Impact projects to cascade down and be funded with Division Needs funds
 - o Approximately \$4.7M (2018 \$) anticipated funds remaining in Region E
 - o Approximately \$10.2M (2018 \$) anticipated funds remaining in Division 10
 - Approximately \$14.9M (2018 \$) total if anticipated funds combined
- Cost estimates for other MTP projects were derived from feasibility studies if those estimates were available
 - o Cornelius provided a cost estimate from WSP for the NC 115 feasibility study of \$12.4M (2018 \$) – see attached

Funding Summary	(2018 \$ in Millions)
Amount of Anticipated MTP Funds Available (Region E and Division 10 combined)	\$14.9
MTP ID 3008 Revised Cost Estimate	\$12.4
Balance	\$2.5

4. RRRC Recommendation

- RRRC okay with adding NC 115 from Washam Potts Rd to Potts St in Cornelius (ID 3008) based on the following:
 - o MTP ID 3008 scored the same as another project on the draft fiscally constrained project list (ID 3065)
 - o Funds are available to include MTP ID 3008 in HY 2045 without removing any projects already included on the draft MTP project list
 - o The revised cost estimate is derived from a feasibility study (similar to other candidate projects evaluated for the 2045 MTP)

5. Notes

- RRRC requested that CRTPO also prepare a revised cost estimate
 - o Base estimate on revised right-of-way information provided by WSP for the NC 115 feasibility study
 - o Use Cost Estimating Tool that was utilized to develop 2045 MTP candidate project estimates
- RRRC indicated some concern that adding MTP ID 3008 could set a precedent
 - o Cascading was not previously considered by the RRRC
 - o RRRC meeting was held to focus on one project only

**CRTPO Bicycle & Pedestrian Work Group
September 7, 2017, 1:30PM – 3:30PM
CMGC 8th Floor – Innovation Station**

Agenda

1. Introductions

2. Community Updates – What's New?

Roundtable discussion of news, local projects, and relevant issues

3. Potential Bike-Ped Grade Separations

Barry Whitesides, Curtis Bridges

Members have discussed a desire to explore potential opportunities for bicyclist and pedestrian grade-separated crossings at existing bridge locations

4. MPO Planning Funds (PL) – Future Bicycle & Pedestrian Ideas

Discussion of potential bike-ped uses for PL funds, which are made available to the MPO and member communities for eligible transportation and transit planning activities.

5. Review & Revision of CRTPO's TAP Criteria

Curtis Bridges

Continue review and enhancements to the MPO's TAP Criteria, considering the two rounds of TAP evaluations completed to-date

6. Other Topics, Looking Forward

