

TCC MEMBERS

Danny Pleasant, Chair
Charlotte Department of Transportation

Joe Lesch, Vice-Chair
Union County

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, January 8, 2014

10:00 a.m.-Noon

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

JANUARY TCC MEETING AGENDA ITEMS:

1. 2015 Officer Elections
2. Review of DRAFT STIP
3. Bonus Allocation and STP-DA Programming Process
4. FY 2016 Unified Planning Work Program
5. Public Involvement Process for the CTP
6. MPO Planning Area Expansion
7. NC 150 Widening (R-2307) Project Multi-Use Path Planning

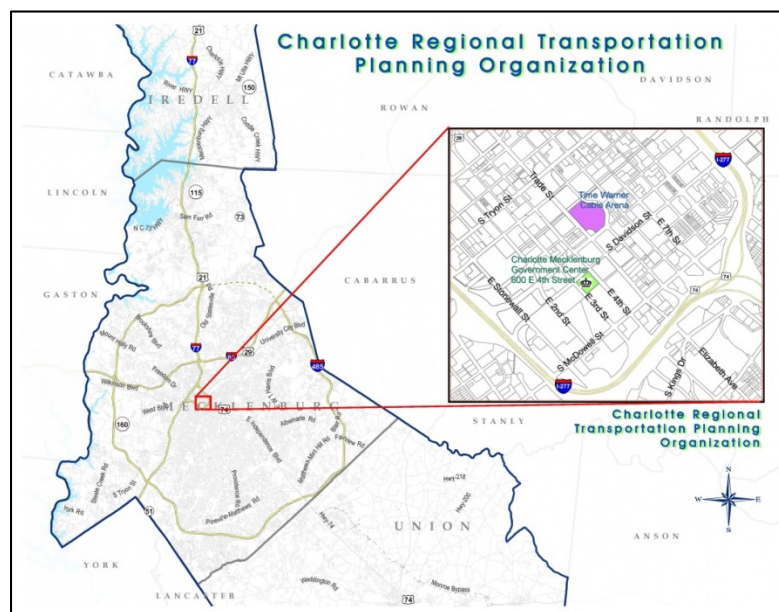
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Title VI Policy

It is the policy of the Charlotte Regional Transportation Planning Organization to ensure that no person shall, on the ground of race, color, sex, age, national origin, or disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity as provided by Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, and any other related non-discrimination Civil Rights laws and authorities.

The Charlotte Regional Transportation Planning Organization coordinates transportation planning initiatives in Mecklenburg County and portions of Iredell and 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, January 8, 2015 | 10:00 a.m.
Room 267 (second floor), Charlotte-Mecklenburg Government Center
600 East Fourth Street, Charlotte, NC 28202

1. **WELCOME (5 minutes)** **Danny Pleasant**

 - a. Introductions
 - b. Adoption of Today's Agenda

2. **CONSENT AGENDA (5 minutes)** **Danny Pleasant**

 - a. Approval of December 4, 2014 TCC Minutes
 - b. TIP Amendments – See attached memorandum

3. **TCC BUSINESS (10 Minutes)**

 - a. **Election of Officers** **Danny Pleasant**
ACTION REQUESTED:
 - *Elect officers for 2015.*
BACKGROUND:
 - *The TCC bylaws require the election of officers at the first meeting of the calendar year.*
 - *The bylaws also require the Chair to have served as a TCC member for one full year immediately prior to being elected.*

4. **TCC INFORMATION REPORTS (60 Minutes)**

 - a. **Review of DRAFT STIP** **Neil Burke**
BACKGROUND:
 - *The draft STIP was released by NCDOT on December 4, 2014.*
 - *The release has triggered a variety of activities, including internal reviews and assessments, public involvement efforts, financial analysis, etc.*
 - *An overview of the projects within the draft TIP will be provided.*
 - *The P4.0 Work Group has recommended committing the first five years of the 2016-2025 STIP based upon right-of-way or construction date, subject to Board of Transportation approval.*
ATTACHMENT: *DRAFT STIP Initial Assessment Presentation*

b. Bonus Allocation and STP-DA Programming Process

Bill Coxe

BACKGROUND:

- *A subcommittee of TCC members is developing a methodology to recommend a list of projects to distribute bonus allocation funds to eligible projects throughout the CRTPO planning area. The CRTPO must also decide on the use of STP-DA funds.*
- *The committee has discussed the need to develop a set of projects using both funding sources and integrating them into the STIP update.*
- *An update on this work will be provided.*

c. FY 2016 Unified Planning Work Program

Robert Cook

BACKGROUND:

- *The Unified Planning Work Program (UPWP) is adopted annually in accordance with joint Federal Highway Administration/Federal Transit Administration (FHWA/FTA) transportation planning guidelines.*
- *The UPWP describes the planning activities that are anticipated for the coming fiscal year and documents the allocation of state and federal funds associated with each planning activity.*
- *An update on the preparation of the FY 2016 UPWP will be provided.*

d. Public Involvement Process for the CTP

Robert Cook

BACKGROUND:

- *A strategy and schedule to conduct a public involvement process on the CRTPO CTP maps will be discussed.*

e. MPO Planning Area Expansion

Robert Cook

BACKGROUND:

- *The northern portion of Iredell County is a part of the Unifour RPO.*
- *The Western Piedmont COG serves as the lead planning agency for the Greater Hickory MPO and Unifour RPO, and is consolidating the two organizations into a single transportation planning entity which will result in the RPO ceasing operation.*
- *The Iredell County Planning Department has requested that the CRTPO consider expanding its planning area to incorporate portions of the county now in the Unifour RPO's jurisdiction.*

f. NC 150 Widening (R-2307) Project Multi-Use Path Planning

Kelsie Anderson

BACKGROUND:

- *A separated Multi-Use path is not included in current design of the new bridge for the westbound travel lanes across Lake Norman linking Iredell and Catawba Counties.*
- *This section of NC 150 is part of the Carolina Thread Trail plan, the Lake Norman Bicycle Plan, and is shown in the Mooresville CTP as proposed multi-use path across the bridge into Catawba County.*
- *A decision must be made by Iredell and Catawba Counties, and the Town of Mooresville regarding the participation in a cost share to fund a separated multi-use trail across the new bridge as part of the R-2307 widening project within the first quarter of 2015.*

- *The NC 73 widening project (R-5721) may have similar implications at the Catawba River crossing in terms of the funding arrangement for providing bicycle and pedestrian accommodations.*

ATTACHMENT: NC 150 Widening project (R-2307) Bike/Ped Memorandum

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

- a. NCDOT Report
- b. Bicycle and Pedestrian Work Group Report
- c. Upcoming Issues

**NCDOT Staff
Curtis Bridges**

6. **ADJOURN**

CRTPO TECHNICAL COORDINATING COMMITTEE
Summary Meeting Minutes
Charlotte-Mecklenburg Government Center
Room 267
December 4, 2014

Voting Members: *Chair* - Danny Pleasant (CDOT), *Vice-Chair* – Joe Lesch (Union County), Jonathan Wells – alt for Ed McKinney (C-M Planning), Bill Coxe (Huntersville), Wayne Herron – alt for Andrew Grant (Cornelius), Andrew Ventresca (Iredell County), Erika Martin (Troutman), Ralph Messera (Matthews), David McDonald (CATS), Lisa Stiwinter (Monroe), Kelsie Anderson (Mooresville), Louis Mitchell (NCDOT – Div. 10), David Keilson – alt for Reuben Chandler (NCDOT – Div. 12), Fern Shubert (Marshville), Travis Johnson (Davidson), Megan Green (Mecklenburg County – LUESA Air Quality), Ken Tippet (Bicycle Focus Area Representative), Dick Winters (Public Health Focus Area Representative), Scott Curry (Pedestrian Focus Area Representative), Gwen Cook (Greenway Focus Area Representative)

Staff: Robert Cook (CRTPO), Curtis Bridges (CRTPO), Neil Burke (CRTPO), Candice Leonard (CRTPO), Lee Ainsworth (NCDOT), Jeff Sloop (NCDOT), James Lim (NCDOT-Public Transportation), Norm Steinman (CDOT), Andy Grzymski (CDOT), Loretta Barren (FHWA), Jim Loyd (Monroe), Heidi Pruess (Mecklenburg County)

Guests: Todd Steiss (PB), Radha Swayampakala (RS&H), Eric Seckinger (HNTB), Paige Hunter (HNTB), Steve Blakely (Kimley-Horn)

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

1. Adoption of the Agenda

Mr. Pleasant asked if any changes to the agenda are necessary. Hearing none, the December agenda was adopted by acclamation.

2. Consideration of Consent Agenda

Mr. Pleasant explained that the consent agenda for the December meeting did not contain any TIP amendments, with the November TCC minutes being the only item. Bill Coxe made a motion to adopt the consent agenda. Joe Lesch seconded the motion. The motion passed unanimously.

TCC INFORMATION REPORTS

3a. Prioritization 4.0 Work Group 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:

- He indicated that the Work Group made a consensus based decision at the previous meeting to recommend two sixty-day public comment periods on projects proposed for local input

point assignment for P4.0. This recommendation would create two windows for submitting local input points for projects within the Regional Impact and Division Needs tiers.

- Two public comment periods would allow for NCDOT to prepare a DRAFT Regional Impact funding program to help determine the projects that may cascade into the Division Needs Tier.
- The SPOT office indicated that MPOs and NCDOT Divisions only need to hold one public comment period for the assignment of local input points, and organizations could choose to submit all of their points during the first window.
- Mr. Burke reviewed a proposed schedule for the local input points dual comment period, and he indicated that the periods would begin in April of 2016 and conclude in September of 2016.
- He mentioned that CRTPO staff would evaluate the TCC and MPO meeting schedules during this time to determine if meeting(s) may need to be adjusted to accommodate a 30-day public comment period.
- The Work Group is continuing the discussion of using seasonal traffic counts for P4.0.
 - Work Group representatives from areas with significant tourism continue to advocate for seasonal traffic counting to factor in congestion and benefit/cost calculations.
 - Work Group members representing larger MPO's have advocated for the continued use of AADT to calculate scores for P4.0 because this is the accepted industry standard that accounts for urban, rural, and recreational travel patterns.
- Mr. Burke indicated that the Work Group has decided to discontinue the discussion of adding emergency evacuation routes (nuclear/hurricane) as a factor in P4.0 scoring for highway projects.
- Mr. Burke explained that the Work Group is being asked to make a recommendation on one of the following reprioritization schedules for P4.0:
 - Projects funded for Right-of-Way within the first five years of the STIP (2016-2020) would be committed and not subject to reprioritization (Construction for these committed projects may occur after 2020)
 - Projects funded for Right-of-Way within the first seven years of the STIP (2016-2022) would be committed and not subject to reprioritization (Construction for these committed projects may occur after 2022)
 - Projects funded for Construction within the first eight years of the STIP (2016-2023) would be committed and not subject to reprioritization.

Dick Winters inquired to determine if the Work Group's discussions on traffic counts included other modes. Mr. Burke explained the discussion of seasonal traffic counts has been limited to the calculation of project scores within the highway mode. While the NCDOT-Division of Bicycle and Pedestrian transportation does collect user data, it is not statewide in scope.

Mr. Coxe stated that he appreciated the stability of a longer commitment period but he explained that flexibility within a TIP is important.

Kelsie Anderson suggested that NCDOT should provide additional guidance to local jurisdictions during P4.0 to indicate the amount of funding that would allow the project to be included within the DRAFT

STIP. Mr. Burke said he would mention this during the local contribution discussion at an upcoming Work Group meeting.

Mr. Coxe stated that he believed bonus allocation funds should be eligible to be used as a local contribution during P4.0 because these funds are distributed to MPOs that have accepted tolled projects and are to be used at the MPOs discretion. Louis Mitchell explained that the bonus allocation funds are ineligible to be used as a local match because these funds that have been returned to the MPO by the state to be used on project activities within a five-year timeframe.

Mr. Lesch also agreed with the NCDOT position on the use of bonus allocation funds as a local contribution, because the intent was to reward those communities that invested their own funds into a project.

3b. TIP Development and Schedule

Presenter: Robert Cook

Summary:

Mr. Cook stated that the DRAFT STIP had been released this morning, and can be viewed on NCDOT's website by clicking [here](#). He explained that the release of the DRAFT STIP has started a process for CRTPO to adopt the Metropolitan TIP (MTIP), and he reviewed a schedule with the TCC that can be viewed [here](#). Mr. Cook explained that there will need to be interagency consultation and public involvement processes conducted, and it is anticipated that the MPO would adopt the MTIP in May of 2015.

Mr. Cook explained that two other key components to CRTPO's MTIP adoption involved the programming of Bonus Allocation and STP-DA funds. He stated that members of the bonus allocation subcommittee will be meeting with Cintra and NCDOT to discuss potential projects along the I-77 corridor on Tuesday, December 9. Mr. Cook stated that the programming of STP-DA funds was discussed at last week's Transportation Staff Meeting and it was decided that the first five years of funds would be programmed, with the second five years to be programmed at a later date.

Mr. Cook also mentioned that an initial assessment of the DRAFT STIP within CRTPO will be e-mailed to the TCC and MPO on or before December 18. The document is in the form of a PowerPoint presentation and can be viewed [here](#). A similar presentation will be given at the January TCC and MPO meetings.

Mr. Coxe asked when the Board of Transportation intends to adopt the DRAFT STIP. Mr. Mitchell responded that the BOT will consider adopting the STIP in June of 2015, but that date is subject to change. He added that the CRTPO allocation of STP-DA funds is shown as a holdout in the STIP with an ID of U-4744. The STIP can be amended to program the funds from U-4744 once the list of candidate projects has been identified.

3c. FY 2016 Unified Planning Work Program

Presenter: Robert Cook

Summary:

Mr. Cook 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. Cook explained that there will be approximately \$2 million to program to local projects (PL), basing the amount on the current fiscal year and he did not anticipate changes to that amount.
- He mentioned that CRTPO does have an unobligated balance of STP-DA funds, and he is in the process of determining the exact amount from NCDOT-TPB.
 - Mr. Cook explained that the older funds will be programmed first to avoid rescission.
- A local projects request form will be e-mailed out to TCC members with the deadline of December 31.
 - Project requests should be greater than \$25,000;
 - Submittals must be “transportation planning” projects, and should only include 15% design and no right-of-way acquisition elements;
 - Due to the development of a MPO-led process for traffic counts, individual requests will not be considered this year.
- Mr. Cook reviewed the role of the UPWP subcommittee and the meeting schedule for this group.
 - He indicated that there is a vacancy for a representative to the subcommittee. Fern Shubert expressed interest in serving on this committee.

Mr. Pleasant stated that CRTPO should activate as many federal dollars as possible. Mr. Cook explained that CRTPO was successful in programming \$500,000 in its unobligated balance to local projects. He explained that this did not impact the local match share except for those communities that had been awarded local projects.

Mr. Cook also mentioned that the NCDOT prioritization process is continuing to evolve, and it is encompassing an increasing amount of staff time. He explained that consideration will need to be given to programming additional funds for this effort. Mr. Cook explained that several of these issues will be addressed during the 18-month MOU adoption review in April of 2015.

Mr. Coxe suggested that CRTPO use the unobligated STP-DA funds from previous years because these funds are more flexible than other funds that are distributed to the MPO.

Norm Steinman stated that the MAP-21 legislation will require MPOs to consider their performance measures in the programming of the STP-DA funds relative to the MTP and TIP.

3d. Bicycle Transportation Planning Initiatives

Presenter: Ken Tippet, CDOT

Summary:

Mr. Tippet 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:

- He indicated that the focus of his presentation was low-cost projects and retrofits that can be implemented to enhance bicycle mobility in any community.
- Mr. Tippetts indicated that removing barriers to bicycle routes, acknowledging bicyclists, and welcoming bicycles are three methods that communities can embody to support bicycling.
- He reviewed techniques such as left turn boxes, sharrows, and bicycle parking techniques to enhance bicycle safety and ridership.

Mr. Tippetts offered his assistance in bicycle planning matters to any of the CRTPO member jurisdictions.

3e. Mecklenburg Livable Communities Plan

Presenter: Heidi Pruess, Mecklenburg County

Summary:

Ms. Pruess 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:

- She explained that one of the goals for this initiative is to consolidate recommendations from other planning efforts from various organizations throughout Mecklenburg County.
- Another goal for this plan is to seek a unified vision from a robust public engagement effort.
- Ms. Pruess stated that this planning process is a two-phase effort, with the first phase involving the development of a vision and guiding principles, recognizing that each community desires to maintain its own unique character.
- She explained that CRTPO can provide guidance within the plan goal of “expanding multimodal transportation capacity.”
- Ms. Pruess explained that phase 1 of the Mecklenburg Livable Communities Plan is scheduled to conclude in January of 2015.

Mr. Pleasant noted that an attachment provided by Ms. Pruess offers a comparison of the Mecklenburg Livable Communities Plan and the CONNECT study, and can be viewed [here](#).

3f. CONNECT update

Presenter: Jonathan Wells, C-M Planning

Summary:

Mr. Wells provided a summary of the CONNECT Program Forum meeting held on November 14. He stated that the focus of the Program Forum was to receive information from the alternative energy, economic development, and plan alignment work groups and make recommendations to advance implementation.

Mr. Wells also stated that CONNECT has been developing a new website that will be available by the end of 2014, and can be viewed [here](#). He indicated that a CONNECT magazine will also be produced that highlights initiatives to implement the plan.

OTHER REPORTS

4a. NCDOT Report

David Keilson provided an update on the I-77 resurfacing project between Exits 45 and 50 in Iredell County.

4b. Bicycle and Pedestrian Work Group Report

Curtis Bridges reviewed the agenda from the previous Bicycle and Pedestrian Work Group meeting held on November 6. His PowerPoint presentation can be viewed [here](#).

4c. Upcoming Issues

Mr. Bridges provided an update on CRTPO's on-call Request for Qualifications (RFQ). He stated that the RFQ will be posted to the City of Charlotte's website on Friday, December 5, and a pre-submittal meeting will be held on Friday, December 12. Mr. Bridges indicated that interviews with the short-listed firms would occur toward the end of January.

Mr. Cook stated that USDOT has delayed the date of issuance for the final performance measures until at least July of 2015.

Mr. Cook explained that TCC members will be asked to name their member jurisdiction's 2015 MPO delegates and alternates prior to the end of the year. The CRTPO MOU indicates that the appointment of elected officials to the MPO board is the responsibility of the chief elected official. Mr. Cook also explained that there is a webinar that provides instructions on the MPO delegates and alternates requirements to complete ethics forms. He will send an email to the TCC members with information on the above topics.

5. Adjourn: Mr. Pleasant determined that the agenda had been adequately completed and adjourned the meeting at 11:46 a.m.

TO: TCC Members
 FROM: Neil Burke, AICP, PTP
 Senior Principal Planner
 DATE: December 23, 2014
 SUBJECT: **2012-2018 TIP Amendments for January 8 TCC consent agenda**

REQUEST

The TCC is requested to recommend to the MPO that it amend the TIP as noted in the table below.

BACKGROUND

The following TIP amendments were requested by NCDOT and the Town of Troutman.

Statewide Projects			
TIP #	Description	Proposed Amendment	Reason
B-5378	Michael Baker Road, Replace Bridge #210 over Briar Creek in Charlotte.	Increase right-of-way and utility funding.	A new cost estimate has been prepared.
R-2632AC	NC 73 and NC 115 intersection in Huntersville.	Add right-of-way and construction in FY 2015 not previously programmed.	This project completes work that was not accomplished by R-2632AA due to a Section 6(f) – Land and Water Conservation Act issue that has since been remediated.
Local Projects			
EB-5532	North Main Street Greenway in Troutman	Change project extents. <u>Former extent:</u> Old Murdock Road to Moose Club Road; <u>Proposed extent:</u> Old Murdock Road to Murdock Road.	Project was re-scoped with a new project extent. Need extent in the STIP to match the Municipal Agreement.



DRAFT TIP Overview

December 23, 2014

1. Review DRAFT STIP project overview
2. Review DRAFT STIP Project Lists
3. Discussion of Initial Issues

1. This is an initial review of the STIP projects over the CRTPO planning area since the document was released on December 4, 2014.
2. This is not a complete assessment of all projects and programs – this will be a continued effort over the next several months.
3. The DRAFT STIP does not include a list of previously funded projects such as I-77 Express Lane projects, Monroe Bypass, Mallard Creek Road extension project, etc.

4. CRTPO staff and TCC members are starting the process to review the projects within the STIP for accuracy.
5. This is a DRAFT document, and changes to projects, costs and program years are likely to occur
6. Please make CRTPO staff aware of any errors, concerns, etc. that you have with projects in this document
7. A similar presentation will be delivered at the January 2015 TCC and MPO meetings.

- 1,073 Projects in DRAFT STIP
 - \$10.1 Billion programmed (2016-2025) statewide
- 55 CRTPO Projects in DRAFT STIP
 - \$1.4 Billion programmed in CRTPO (2016-2025)
 - 14% of NCDOT's programming budget for 2016-2025 is allocated to CRTPO projects
 - 13% of NC population is within CRTPO planning area
 - Includes non-highway projects
- 19 Statewide Mobility Projects in CRTPO planning area
 - \$878 Million programmed (2016-2025)

TIP ID	Primary Jurisdiction(s)	Proposed <u>STATEWIDE MOBILITY</u> Project	Prelim. R.O.W. Date	Prelim. CON Date	Programmed amount (2016-25) in Millions of \$
U-5526A	Charlotte	US 74 HOT Conversion (NC 27-I-277)	2017	2017	\$13.7
I-5507	Mat., Pine.	I-485 HOT Widening (I-77-US 74)	2017	2017	\$202.9
I-5714	Huntersville	I-77& Gilead Rd Int. Imps. (Exit 23)	2018	2019	\$10.6
I-5715	Huntersville	I-77& NC 73 Int. Imps. (Exit 25)	2019	2021	\$11.5
U-5703	Monroe	US 74 & Rocky River Rd Superstreet	2019	2021	\$2.1
I-5717	Mooresville	I-77 & NC 150 DDI Conversion (Exit 36)	2019	2021	\$11.1
U-2509B	Matthews	US 74 Widening (Sardis Rd N.-I-485)	2020	2022	\$229.6
U-2509A	Charlotte	US 74 Widening (Sardis-Conference)	2020	2022	\$176.1
U-5723	Monroe	US 74 & US 601 Int. Imps.	2020	2022	\$2.2
U-5712	Charlotte	Billy Graham/West Bl. Interchange	2020	2022	\$8.3
U-5714	Charlotte	Billy Graham/Morris Field Gr. Separation	2020	2022	\$11.3

Note: The DRAFT STIP does not include a list of previously funded projects such as I-77 Express Lane projects, Monroe Connector, Mallard Creek Road extension project, etc.

TIP ID	Primary Jurisdiction(s)	Proposed <u>STATEWIDE MOBILITY</u> Project	Prelim. R.O.W. Date	Prelim. CON Date	Programmed amount (2016-25) in Millions of \$
I-5718A	Charlotte	I-77 Widening (I-485-Woodlawn Rd)	2024	Beyond 2025	\$97.7
I-5718B	Charlotte	I-77 Widening (Woodlawn Rd – Belk Frwy)	2024	Beyond 2025	\$76.3
I-5718C	Charlotte	I-77 Widening (Belk-Brookshire Frwys)	2024	Beyond 2025	\$60.5
I-5718D	Charlotte	I-77& Belk Frwy Interchange	2024	Beyond 2025	\$22.3
I-5718E	Charlotte	I-77 & Brookshire Frwy Interchange	2024	Beyond 2025	\$17.5

Note: Schedule for I-77 projects south of Brookshire Freeway was affected by corridor cap considerations.

Note: The DRAFT STIP does not include a list of previously funded projects such as I-77 Express Lane projects, Monroe Connector, Mallard Creek Road extension project, etc.

- 21 Regional Impact Projects programmed
 - Region E: 15 projects programmed
 - All programmed projects had local input points assigned by CRTPO and Division 10
 - \$380 Million in DRAFT STIP, 2016-25
 - Region F: 6 Projects Programmed
 - All programmed projects had local input points assigned by CRTPO and Division 12
 - \$152 Million in DRAFT STIP, 2016-25

TIP ID	Municipality	Proposed <u>REGIONAL IMPACT</u> Project	Prelim. ROW Date	Prelim. CON Date	Programmed amount (2016-25) in Millions
U-3467A	Weddington	Rea Road Extension (NC 84) (NC 16-Weddington Rd)	2017	2018	\$20.5
U-3467B	Weddington	NC 84 Widening (12 Mile Creek Rd – Indian Trail-Waxhaw Rd)	2017	2019	\$14.8
U-5762	Charlotte	NC 160 & Hamilton Road Intersection Improvement	2018	2019	\$1.6
U-5763	Matthews	NC 51 Widening (Sardis Rd – Monroe Rd/E.John Street)	2020	2022	\$3.9
R-2632AB	Huntersville	NC 73 Widening (NC 115 – Davidson-Concord Rd)	2021	2023	\$19.4
U-5764	Monroe	US 74 Widening (Hanover Dr – Rocky River Road)	2021	2023	\$21.6
U-5765	Huntersville	NC 73 Widening (Catawba Av -Northcross Dr)	2021	2023	\$28.1
R-5721	Huntersville	NC 73 Widening (Bus. NC 16 in Lincoln County to Catawba Avenue)	2021	2024	\$64.4

Note: The DRAFT STIP does not include a list of previously funded projects such as I-77 Express Lane projects, Monroe Connector, Mallard Creek Road extension project, etc.

TIP ID	Municipality	Proposed <u>REGIONAL IMPACT</u> Project	Prelim. ROW Date	Prelim. CON Date	Programmed amount (2016-25) in Millions
U-5766	Charlotte	NC 160 Widening (NC 49 – Shopton Rd W)	2022	2024	\$39.0
U-5767	Cornelius	US 21 Widening (Northcross Center Ct – Westmoreland Rd)	2022	2024	\$23.2
U-5768	Charlotte	NC 49 Widening (John Kirk Rd – I-485)	2022	2024	\$25.4
U-5769	Weddington	NC 16 Widening (Rea Road Ext. to Cuthbertson Rd)	2022	2024	\$38.4
U-5007	Matthews	NC 51 Widening (Matthews Township Pkwy – Lawyers Rd)	2022	2024	\$35.1
U-5771	Huntersville	US 21 Widening (Gilead Rd – Holly Point Drive)	2022	2024	\$19.5
U-5772	Charlotte	NC 115 Widening (Harris Blvd – I-485)	2022	2024	\$24.9

Note: The DRAFT STIP does not include a list of previously funded projects such as I-77 Express Lane projects, Monroe Connector, Mallard Creek Road extension project, etc.

TIP ID	Municipality	Proposed <u>REGIONAL IMPACT</u> Project	Prelim. ROW Date	Prelim. CON Date	Programmed amount (2016-25) in Millions
R-2307	Mooresville	NC 150 Widening (Harvel Road in Catawba County – I-77)	2017	2019	\$104.2
R-5711	Troutman	US 21/NC 115 & Houston Rd/Flower House Loop Road Intersection Improvements	2018	2020	\$1.5
U-5780	Mooresville	NC 150 and Wiggins Road Intersection Improvements	2019	2021	\$0.93
U-5779	Statesville	NC 115 Widening (Old Wilkesboro Rd – Hartness Rd)	2020	2022	\$13.7
U-5799	Statesville	US 21 Widening (Pump Station Rd – Ft. Dobbs Rd)	2021	2023	\$16.7
R-2522	Troutman	US 21/NC 115 Widening (Cedar Ln – Barium Springs)	2022	2024	\$15.5

Note: The DRAFT STIP does not include a list of previously funded projects such as I-77 Express Lane projects, Monroe Connector, Mallard Creek Road extension project, etc.

TIP ID	Municipality	Proposed <u>Statewide Mobility</u> Project	Prelim. R.O.W. Date	Prelim. CON Date	Programmed amount (2016-25) in Millions of \$
P-5704	Indian Trail	CSX RR 10,000 foot Rail Passing Siding. Milepost 311.8 Milepost 316.9.		2018	\$5.5

- CRTPO and NCDOT-Division 10 allocated local input points to this project at the Regional Impact tier.

Note: The DRAFT STIP does not include a list of previously funded projects such as I-77 Express Lane projects, Monroe Connector, Mallard Creek Road extension project, etc.

- 12 Division Needs projects programmed
 - Division 10: 8 Projects programmed
 - 8 of 13 mutual local input point assignments between CRTPO and Division 10 were programmed.
 - \$50 Million in DRAFT STIP, 2016-25
 - Does not include STP-DA funding
 - Division 12: 4 Projects programmed
 - All programmed projects had local input points assigned by CRTPO and Division 12
 - \$48 Million in DRAFT STIP, 2016-25

TIP ID	Municipality	Proposed <u>REGIONAL IMPACT</u> Project	Prelim. ROW Date	Prelim. CON Date	Programmed amount (2016-25) in Millions
U-5804	Matthews	Trade Street Widening (Fullwood Ln –Weddington Rd)	2016	2016	\$1.3
U-5805	Charlotte	Monroe/Rama/Idlewild Rds Intersection Imps.	2018	2020	\$1.3
U-5803	Charlotte	Eastway Drive & Shamrock Drive Intersection Imps.	2019	2021	\$2.8
U-5808	Indian Trail	Chestnut Ln Connector (Matthews-Indian Trail Rd to Gribble Rd)	2020	2022	\$3.7
U-2555B	Cornelius	Catawba Avenue Widening (NC 73 to Jetton Rd)	2020	2022	\$29.1
U-5807	Huntersville	Gilead Road Widening (US 21 – NC 115)	2022	2024	\$6.1
U-2549	Monroe	Monroe Northern Loop (US 74 to Walkup Ave)	2024	Post Year	\$1.9
U-4714A	Matthews	John Street Widening (Trade Street – I-485)	2025	Post Year	\$4.8

Note: The DRAFT STIP does not include a list of previously funded projects such as I-77 Express Lane projects, Monroe Connector, Mallard Creek Road extension project, etc.

Note: Additional Division Needs projects may be programmed within Division 10 by allocating a portion of CRTPO's Surface Transportation Program-Direct Attributable (STP-DA) funds.

TIP ID	Municipality	Proposed <u>REGIONAL IMPACT</u> Project	Prelim. ROW Date	Prelim. CON Date	Programmed amount (2016-25) in Millions
U-5817	Mooresville	Extend Fairview Road over I-77 to connect with Alcove Road	2019	2021	\$6.1
R-3833C	Mooresville	Brawley School Road Widening (Talbert Road – US 21)	2019	2021	\$9.0
U-5816	Mooresville	Midnight Lane-Oates Road Modernization & I-77 Overpass	2020	2022	\$9.6
R-5100	Mooresville	Williamson Road Widening (I-77 – NC 150)	2020	2022	\$24.4

Note: The DRAFT STIP does not include a list of previously funded projects such as I-77 Express Lane projects, Monroe Connector, Mallard Creek Road extension project, etc.

- 4 Non-Highway projects programmed
 - 2 Rail Projects programmed
 - \$6 Million in DRAFT STIP, 2016-25
 - 2 Bike/Ped Projects programmed
 - \$1.8 Million in DRAFT STIP, 2016-25
- Less than 1% of total programmed funds for CRTPO is allocated to non-highway projects

TIP ID	Municipality	Proposed <u>REGIONAL IMPACT</u> Project	Prelim. ROW Date	Prelim. CON Date	Programmed amount (2016-25)
EB-5710	Charlotte	Matheson Avenue Bicycle Lane Conversion (N. Tryon St – The Plaza/Parkwood Avenue)		2018	\$460,000
P-5702	Charlotte	Norfolk Southern Bulk Transfer Facility at old Charlotte IMF		2020	\$488,000
EB-5723	Indian Trail	US 74 Multi-Use Path (Western Municipal Limit of Indian Trail to Sardis Church Road)		2021	\$1,113,000
EB-5749*	Mt. Holly/Charlotte	NC 27 Road Diet to implement on-road Bicycle Facilities. (NC 273-East Bank of Catawba River)		2023	\$160,000

**Project was submitted by the Gaston-Cleveland-Lincoln MPO (GCLMPO)*

Note: The DRAFT STIP does not include a list of previously funded projects such as I-77 Express Lane projects, Monroe Connector, Mallard Creek Road extension project, etc.

- 30 Bridge Replacement Projects Programmed in DRAFT STIP
- \$107,606,000 programmed throughout CRTPO planning area
 - 7 Projects in Iredell County
 - 8 Projects in Mecklenburg County
 - 11 Projects in Union County

 - 4 Municipal Bridge Replacement projects in Mecklenburg County
 - Divisions 10 and 12 have \$18 million each held for Purchase Order bridge contracts in DRAFT STIP

- Scheduling/timing of adjacent projects
 - i.e. Mooresville, Huntersville, Matthews
 - Future mapping
- NC 27 bridge road diet
- Coordination with adjacent MPOs
- What MTP amendments are needed?
- What will be adopted? 7-year document or 10-year document?
- When will the TIP need to be adopted?
- Is a one-on-one meeting needed?



DRAFT TIP Overview

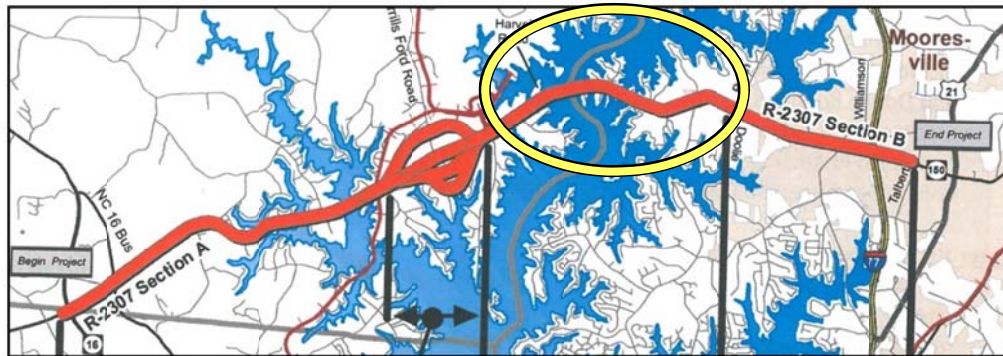
December 23, 2014



MULTI-USE PATH ON NC 150 WIDENING (R-2307 B)

R-2307 General Project Information

- Segment A subject to P4.0 reprioritization
- Segment B combined with I-5717 Diverging Diamond Interchange at Exit 36
 - 4-lane divided superstreet from Harvel to about Perth/Doolie
 - 6-lane divided superstreet from Perth/Doolie to just west of US 21
 - 2900' bridge across the lake
- RoW and Utilities (\$14.5 M) in FY 17 and CON (\$100.7 M) is FY 19-22



Bike/Ped Facility Focus

- Multi-use path on north side on NC 150 from Perth/Doolie to western project terminus
- Cost share with NCDOT

	NCDOT	Catawba Side	Iredell Side	w/in M'ville	TOTAL
Bridge (2900')	3,445,200	1,938,000	1,808,800		7,192,000
On-Ground	431,200	190,000	1,160,000	169,244	1,950,444
TOTAL	3,876,400	2,128,000	2,968,800	169,244	9,142,444

- Participation in bridges cost share must be made in early 2015 to keep project schedule. On-Ground funding can be determined later as funding is identified

What's Next

- Inform about importance, duration, and benefits of this regional decision
- Obtain unified commitment to funding
- Identify funding methods and sources (private, public, in-kind)

Growth is in the forecast...

- NC 150 Land Use Collaboration (Catawba, Iredell, Mooresville, CCOG, WPCOG, CRTPO, GHMPO, NCDOT D-12, lead by LNTC)
- DOT's recent update of Segment A concept from 4-lane divided to Superstreet
- Large scale development interest active in Catawba County Coordination
- Continued development pressure on NC 150 corridor in Mooresville

Bike/Ped Planning Background

- Existing NC 150 generally does not have bike or ped facilities. However, newer development along the corridor is required to include sidewalk along property frontage per Town's Land Development Standards.
- Per NCDOT Complete Streets Policy, bike/ped facility must be considered during planning and design.
 - From Perth/Doolie to eastern project limit, design typical sections indicate sidewalk and bike lanes
 - From Perth/Doolie to western project limit, design typical sections indicate paved shoulder only. This cross section doesn't not create a barrier to pedestrians so it is, technically, is in compliance with DOT's complete streets policy for rural areas but I believe this is shortsighted when considering the anticipated growth in the area that NC 150 serves.
- NCDOT Bike/Ped division
 - Shows NC 150 as a critical (but not designated) bike route
 - Recommends wide shoulders to accommodate bikes from Perth to Little Mountain Road
 - Identifies traffic safety as a concern and considers possible separate path
- Mooresville CTP
 - Multi-use path from Perth/Doolie to Catawba County line as part of the Lake Norman Bike Route connecting to segment on Perth
 - Sidewalk from multi-use path terminus at Perth to Water Oaks Drive to the east
 - Does not designate a preferred side of the road for the recommended facilities
- Lake Norman Bike Route Plan
 - Shows NC 150 as part of the ultimate route. Not included in initial route to due lack of adequate facilities
 - Adopted by Town of Mooresville, NCDOT, and Iredell County
 - Recommends bike lanes on facilities with ADTs > 20,000 and speeds < 55 mph with alternative for parallel facility within ¼-mile when width constraints do not allow for bike lanes
- On the west side of the lake, multi-purpose path across the bridge becomes Carolina Thread Trail primary route U and connects to primary routes T, V, and W.

Correspondence to NCDOT

- 12/10/13 letter from Town of Mooresville Development Services (A. Kraft) to include multi-purpose path on one side of NC 150 from Doolie to Little Mountain Road, including across the bridge and a four-foot paved shoulder on the opposite side, and sidewalks and crosswalks on the north side of NC 150 from Doolie to I-77
- 2/26/13 resolution from Lake Norman RPO to include sidewalks and bike lanes on both sides of NC 150, a multi-purpose path on one side of the bridge, or a sidewalk on one side of the road with a multi-purpose path on the other side, including across the bridge
- 3/6/13 letter from Mooresville-South Iredell Chamber of Commerce endorsing bike/ped lanes on the NC 150 bridge across Lake Norman

**CRTPO Bicycle & Pedestrian Work Group
January 8, 2015, 2:00 – 4:00PM
CMGC 8th Floor – Innovation Station**

Agenda

1. Introductions

2. Community Updates – What’s New?

3. Bicycle & Pedestrian Network – FHWA Exemplary Project Nominations
Discussion – Forward examples by January 13th

4. **Transportation Alternatives**
 - a. Score Example Projects/Applications
 - b. Criteria Revisions

5. Other Topics, Looking Forward



External Travel Survey Helps Determine Area Transportation Needs

Date, [2014](#)—CITY, (*this will vary based on the media source, North or South* Carolina)—

Local governments in the metropolitan Charlotte area, in association with the departments of transportation in North Carolina and South Carolina, are conducting an external travel survey to better understand where travelers entering our region are headed. The results will be used in conjunction with other data collected to plan transportation improvements in the region that could include improvements to existing roadways or transit routes and / or proposing new roadways or transit routes. Any transportation improvement will ultimately be vetted through the federally required long range transportation planning process.

ETC Institute, the firm conducting the survey, previously collected data about vehicles traveling along freeways in Anson, Cabarrus, Catawba, Cleveland, Davie, Gaston, Iredell, Lincoln, Rowan, Stanly, Mecklenburg and Union counties in North Carolina and Cherokee, Lancaster and York counties in South Carolina. Over the next few weeks, a short follow-up survey will be mailed to households within the region. Those participating in the survey will be asked questions about the origin, destination, and general purpose of their travel. All information collected is confidential and individual responses will not be released.

This study is being developed by Charlotte Regional Transportation Planning Organization (CRTPO), Cabarrus-Rowan MPO (CRMPO), Gaston-Cleveland-Lincoln MPO (GCLMPO), Rock Hill-Fort Mill Area Transportation Study (RFATS), NCDOT, SCDOT, and Rocky River RPO (RRRPO). The Charlotte City Council approved implementing the study in January of 2013 with funding of \$390,000 from NCDOT, SCDOT, CRTPO, CRMPO, GCLMPO, and RFATS. For more information contact Anna Gallup, CDOT Regional Modeling Section Manager, at 704-336-8034 or agallup@ci.charlotte.nc.us.

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