



charlotte regional **transportation** planning organization

600 East Fourth Street  
Charlotte, NC 28202  
704-336-2205  
[www.crtpo.org](http://www.crtpo.org)

TO: TCC Members  
FROM: Nicholas Landa  
Principal Planner  
DATE: October 31, 2013

**SUBJECT: Technical Coordinating Committee (TCC) Agenda  
November 2013 TCC Meeting—November 7, 2013**

The next TCC meeting is scheduled for **Thursday, November 7 at 10:00 AM** in **Room 267** of the Charlotte-Mecklenburg Government Center (600 East Fourth Street). Attached is a copy of the agenda.

Please call me at (704) 336-8309 if you have any questions.



**TECHNICAL COORDINATING COMMITTEE**

**AGENDA**

November 7, 2013

10:00 AM

Room 267 – CMGC

- 1. Adoption of the Agenda** Danny Pleasant
  
- 2. Consideration of October Meeting Minutes** Danny Pleasant  
*ACTION REQUESTED: Approve as presented, or with amendments.*
  
- 3. Comprehensive Bicycle Planning Grant** (5 minutes) Jason Pauling  
*ACTION REQUESTED: Recommend that the TPO approve a resolution of support for the proposed bicycle planning grant application as presented.*

*BACKGROUND: The Town of Cornelius would like to seek support from the CRTPO to apply for a Comprehensive Bicycle Planning Grant through NCDOT's Bicycle and Pedestrian Division. The Town's Board adopted a resolution in support of the application at its meeting on Monday, October 21, 2013. See the attached memorandum for more information.*

*ATTACHMENT: Town of Cornelius Bicycle Planning Grant Request Memorandum; Draft Resolution*
  
- 4. Transportation Improvement Program (TIP) Amendments** (10 minutes) Robert Cook  
*ACTION REQUESTED: Recommend that the TPO amend the TIP, as presented.*

*BACKGROUND: See attached memorandum.*

*ATTACHMENTS: TIP Memorandum; Draft Resolution*
  
- 5. Unified Planning Work Program** (15 minutes) Robert Cook  
**a. UPWP Review Subcommittee**  
*ACTION REQUESTED: Approve establishment of a UPWP Review Committee and recommend TPO endorsement.*

*BACKGROUND: See attached memorandum.*

*ATTACHMENT: Memorandum*

**b. UPWP Amendment**  
*ACTION REQUESTED: Recommend that the TPO amend the FY 2013 UPWP, as presented.*

*BACKGROUND: See attached memorandum.*

*ATTACHMENT: Memorandum*

- 6. Federal Functional Classification System Update** (10 minutes) Anil Panicker  
*ACTION REQUESTED: Recommend that the TPO endorse the proposed changes to the Federal Functional Classification system, to be sent to NCDOT and FHWA for review.*

*BACKGROUND:*

*NCDOT has requested that each MPO and RPO review the Federal Functional Classification Map for roadways and propose any modifications that the MPO feels are justified (see attached memorandum). A TCC subcommittee has reviewed the map and has recommended several modifications to the classifications within the CRTPO boundary, which can be viewed by click the following link: [Functional Classification Map](#).*

*ATTACHMENT: Functional Classification System Update Letter and Guidelines*

- 7. 2040 Metropolitan Transportation Plan (MTP)** (5 minutes) Nicholas Landa  
*ACTION REQUESTED: FYI*

*BACKGROUND: An update on the progress of the 2040 MTP will be provided.*

- 8. Strategic Transportation Investment (STI)** (30 minutes) Nicholas Landa  
**a. P3.0 Highway Projects**  
*ACTION REQUESTED: FYI*

*BACKGROUND: This is an item also included on the Wednesday, November 6 transportation staff meeting agenda. Based on the staff meeting discussion, an update on the status of the P3.0 highway project submittals will be provided. See attached memorandum for more information.*

*ATTACHMENT: P3.0 Highway Projects Memorandum and List of Proposed P3.0 Highway Projects*

- b. P3.0 Bicycle & Pedestrian Projects** Curtis Bridges  
*ACTION REQUESTED: FYI*

*BACKGROUND: An update on the status of the P3.0 bicycle and pedestrian project submittals will be provided.*

- c. P3.0 Local Input Point Methodology** Nicholas Landa  
*ACTION REQUESTED: FYI*

*BACKGROUND: The TCC endorsed the membership of committee to begin work on developing a P3.0 Local Input Point Methodology to be approved by the CRTPO and NCDOT. The committee is scheduled to meet on November 5. A summary of the meeting outcomes, and an update on the status of the P3.0 local input point methodology, will be provided.*

- 9. MPO Planning Area Boundary Expansion** (15 minutes) Robert Cook  
*ACTION REQUESTED: FYI*

*BACKGROUND: The following topics will be discussed:*

- TCC bylaws changes
- Agreements with adjacent MPOs to transfer planning responsibilities

**10. Transportation Improvement Program Financial Plan (10 minutes)**

Robert Cook

*ACTION REQUESTED: FYI*

*BACKGROUND: Update on efforts to prepare the TIP's financial plan.*

**11. Upcoming Issues**

**12. Adjourn**

**CRTPO TECHNICAL COORDINATING COMMITTEE**  
**Summary Meeting Minutes**  
**Charlotte-Mecklenburg Government Center**  
**Room 267**  
**October 10, 2013**

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**Voting Members:** *TCC Vice-Chair* – Joe Lesch (Union County), Norm Steinman – alt for Danny Pleasant (CDOT), Debra Campbell (C-M Planning), Eric Moore (LUESA-Air Quality), John Rose – alt for David McDonald (CATS), Louis Mitchell (NCDOT-Div. 10), David Keilson (NCDOT-Div. 12), Anil Panicker (NCDOT-TPB), Andrew Grant (Cornelius), Bill Coxe (Huntersville), Adam McLamb – alt for Scott Kaufhold (Indian Trail), Andrew Ventresca (Iredell County), Ralph Messera (Matthews), Neil Burke ( Mooresville), Lisa Stiwinter (Monroe), Shannon Martel (Stallings), Sherry Ashley – alt for Phil Collins (Statesville), Erika Martin (Troutman), Jordan Cook (Weddington)

**Staff:** Robert Cook (CRTPO), Nick Landa (CRTPO), Curtis Bridges (CRTPO), Andy Grzymiski (CDOT), Tracy Newsom (CDOT), Anna Gallup (CDOT), Mike Davis (CDOT), Jonathan Wells (C-M Planning), Gwen Cook (Mecklenburg County Park & Recreation), Keith Sorensen (Indian Trail), Jim Loyd (Monroe), Scott Cole (NCDOT-Div. 10), Brett Canipe (NCDOT), Bjorn Hansen (GCLMPO), Loretta Barren (FHWA)

**Guests:** Bill Thunberg (LNTC), Todd Steiss (PB), Page Hunter (HNTB)

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Joe Lesch opened the meeting at 10:00 AM.

**1. Adoption of the Agenda**

Mr. Lesch asked if any changes to the agenda are necessary. Bob Cook noted that a request had been made to add an item to the agenda to discuss a Thoroughfare Plan amendment to Ardrey Kell Road. Mr. Lesch suggested that the item be added to the agenda after Item 7, and then asked if any other changes to the agenda are necessary. Hearing none, he asked for a motion to adopt the October TCC agenda. Bill Coxe made a motion to adopt the agenda. Adam McLamb seconded the motion. Upon being put to a vote, the motion passed unanimously.

**2. Consideration of September Meeting Minutes**

Mr. Lesch asked if any changes to the minutes are necessary. Hearing none, he asked for a motion to approve the minutes. Mr. Coxe made a motion to approve the September TCC minutes. Anil Panicker seconded the motion. Upon being put to a vote, the motion passed unanimously.

**3. 2040 Metropolitan Transportation Plan (MTP)**

**a. Plan Update**

Presenter: Nick Landa

Summary/FYI:

Mr. Landa indicated that the Plan update process is well underway, and that work by the MTP Advisory

Committee continues on chapter development. He also noted that a consultant is under contract to help with the completion of the MTP and with public involvement. Finally, he stated that the majority of work as of late has gone into completing the draft roadway project list.

## **b. Roadway Project Ranking**

Presenter: Nick Landa

### Summary/Action Requested:

Mr. Landa provided information to the TCC about the MTP project list, highlighted by the following:

- The project list was released for public involvement in September, and three meetings were held that were fairly well attended;
- Comments that were received are included in your agenda packet, with the exception of one that was inadvertently left out from a citizen in Mooresville – it was a comment of support for the NC 150 widening project in western Iredell County (it was also noted that the public comments are posted on the CRTPO website);
- Formatting changes to the project list were referenced (e.g. Existing and committed projects added, new columns added to provide information required by consultation agencies, etc.)
- Ralph Messera noted that the funding for one of the E+C projects (TIP# U-5110) was pulled, so the project can be removed from the MTP; and
- A specific request was made by the City of Statesville to add the Murdock Road realignment project in place of the Eastside Drive project currently on the project list in the 2025 Horizon Year, which is described in a memorandum that was provided to the TCC.

Sherry Ashley, from Statesville, briefly described the project request as being a realignment of the existing Murdock Road, and noted that this project is a higher priority project to both Statesville and Troutman. She stated that an economic development study for the area was recently completed identifying the highest priority sites as being along Murdock Road. It was also noted that there are some unknown issues associated with the Eastside Drive project that still need to be worked out. Neil Burke, from Mooresville, reiterated support for making the proposed change to the project list, as long as the anticipated revenue available for the Division 12, Division Needs category of projects in the 2025 Horizon Year is adequate to cover the cost of the Murdock Road project.

Mr. Landa disclosed that a note was added to the project list for two specific project corridors in Mecklenburg County (I-77 from Center City Charlotte to I-485, and US 74 from Conference Drive to I-485), based on a request from the CRTPO board at its September meeting. He also noted that there were no other controversial public comments expressing significant dissatisfaction or proposed changes to the project list.

### Motion:

Ms. Ashley made a motion to recommend that the Murdock Road realignment project be added to the 2025 Horizon Year of the fiscally constrained project list, in place of the Eastside Drive widening project in Statesville currently on the list. Erika Martin seconded the motion. The Motion passed unanimously.

Mr. Coxe made a motion to recommend that the CRTPO approve the fiscally constrained project list, as amended, noting that minor corrections to the E+C network may be necessary. Mr. Messera seconded the motion. Upon being put to a vote, the motion passed unanimously.

#### **4. Strategic Transportation Investment (STI)**

Presenter: Nick Landa

##### Summary/FYI:

Mr. Landa provided information to the TCC via a Power Point presentation, the contents of which are incorporated into the minutes [here](#). He provided an overview of the project submittal process that is a result of the Strategic Transportation Investment legislation enacted in June 2013, highlighted by the following:

- Overview of the new legislation was provided;
- The Strategic Planning Office of Transportation (SPOT) will be conducting the Prioritization 3.0 (P3.0) evaluation process, which will lead to the development of the next Transportation Improvement Program (TIP);
- Criteria has been developed to evaluate capital projects of all modes quantitatively and qualitatively based on 3 categories – Statewide Mobility, Regional Impact and Division Needs;
- Modes eligible by category was described, and the CRTPO's submittal eligibility by mode was outlined;
- The P3.0 database currently contains highway projects that were previously submitted during the P2.0 process – both mobility and modernization type highway projects;
- The CRTPO will have to determine which projects to submit, which to remove and how to allocate its share of local points to projects of all modes in the database;
- Committees have been recommended to be created to accomplish the tasks outlined;
- Deadlines for completing the tasks described, as well as the actions anticipated to be requested by the TCC and CRTPO, were provided.

Mr. Burke asked if decisions will have to be made about removing projects from the P3.0 database based on what was submitted for the MTP. Mr. Landa replied that there will have to be some decisions made about which projects to leave in the database and which to remove. Scott Cole, with NCDOT, asked when those decisions would have to be made, to which Mr. Landa indicated that it would need to be done by January 2014. Mr. Coxe asked if the project changes that are required by October 23 have to do with project limits and descriptions that might be different now than they were when originally submitted for P2.0. Mr. Landa indicated that, yes, those are the types of changes that will need to be considered. The following was proposed to be accomplished in the near term:

- The current P3.0 highway project list will be sent to the TCC to solicit proposed changes; and
- A transportation staff meeting will be held on October 16 to discuss proposed changes to the P3.0 highway project list.

Mr. Landa then highlighted the P3.0 highway, and bicycle and pedestrian submittal processes, and presented membership for committees proposed to accomplish those tasks. A committee was not proposed for transit projects, or for other modes. After discussion by the TCC, it was determined that transit and other modes also be discussed at the October 16 transportation staff meeting. Mr. Landa continued by discussing the P3.0 local input point process. He indicated that each MPO/RPO and NCDOT Division Offices receive a specific amount of local points, which must be allocated based on a prescribed methodology that is approved by the CRTPO and SPOT. There was consensus from the TCC for the three P3.0 committees proposed – P3.0 highway projects committee, P3.0 bicycle and pedestrian committee, and P3.0 local input point methodology committee – with minor changes, including the addition of NCDOT Division Office representation. He also stated that all recommendations proposed by the various committees would require TCC and CRTPO approval.

## **5. MPO Planning Area Boundary Expansion**

Presenter: Robert Cook

### Summary/FYI:

Mr. Cook began by informing the TCC that the CRTPO's Memorandum of Understanding (MOU) had been signed by the Secretary of Transportation, making it official. He noted that some of the original signatures required have yet to be submitted. It was also noted that the signature of the Governor, or his designee, would begin the clock for the initial 18-month evaluation period added to the MOU – to review such items as voting structure, quorum, etc. Mr. Cook then stated that a couple communities in Union County who originally opted out of the MPO process might be reconsidering the opportunity to join CRTPO. He indicated that some outstanding issues include making recommendations to the CRTPO about revisions to its bylaws, now that the MOU has been approved and signed. It was suggested that a few meetings would be necessary to discuss the bylaws. He also noted that regional agreements with the adjacent MPOs still need to be completed.

## **6. Transportation Improvement Program Financial Plan**

Presenter: Robert Cook

### Summary/FYI:

Mr. Cook reminded the TCC that a financial plan is now required to be completed by the TPO for its Transportation Improvement Program (TIP). He indicated that Parsons Brinkerhoff, one of the TPO's on-call consultants, has been asked to assist the TPO with the development of its TIP financial plan. He noted that the process is in its early stages and that more information will be provided at upcoming TCC meetings.

## **7. Unified Planning Work Program (UPWP) Process**

Presenter: Robert Cook

### Summary/FYI:

Mr. Cook stated that the UPWP process previously presented, at the September TCC meeting by Scott Lane, yielded a particular outcome – to establish a UPWP committee. He noted that the committee would guide the development of the UPWP, but that the TCC and CRTPO would still be responsible for approving the plan. Possible membership for the committee was discussed, and Mr. Cook indicated that he would ask the TCC to approve the UPWP committee membership at its November meeting.

## **8. Ardrey Kell Thoroughfare Plan Amendment**

Presenter: Robert Cook

### Summary/Action Requested:

Mr. Cook told the TCC that a request had been made to revise the alignment of Ardrey Kell Road from what is currently shown on the Thoroughfare Plan, to accommodate proposed land use development that conflicts with the current alignment of the roadway. He stated that a specific alignment has not yet been determined, but the TCC is being requested to authorize public involvement for the Thoroughfare Plan amendment when the alignment is finalized. He also noted that the type of public involvement required



is still being defined. Mr. Coxe asked if the current alignment on the Thoroughfare Plan is official. It was clarified that the roadway is currently classified as a minor thoroughfare. Norm Steinman stated that the proposed project is entirely within the City of Charlotte and any motion should include language that all public involvement be coordinated appropriately between the City and CRTPO.

Motion:

Mr. Coxe made a motion that public involvement for the proposed Thoroughfare Plan amendment be authorized by the CRTPO when an appropriate alignment is determined, and that the public involvement be coordinated based upon land use and transportation needs of both the City of Charlotte and the CRTPO. Jonathan Wells seconded the motion. The motion passed unanimously.

**9. Upcoming Issues**

Mr. Steinman announced that a traffic and revenue study by AECOM for managed lanes on US 74 is anticipated to conclude near the end of the calendar year, and that the results of the study can be presented at a transportation staff meeting upon completion.

**10. Adjourn:** The meeting was adjourned at 11:50 AM.



**TO:** Charlotte Regional Transportation Planning Organization (CRTPO)  
Technical Coordinating Committee and Board Members

**FROM:** Jason T. Pauling, AICP – Senior Planner

**DATE:** November 7, 2013

**RE:** NCDOT 2014 Bicycle Planning Grant

### **Background**

The NCDOT Bicycle and Pedestrian Planning Grant Initiative is a matching grant program that encourages municipalities to develop comprehensive bicycle and pedestrian plans each year. Calls for proposals this year are now open and applications are due by **December 19, 2013**. The application must be accompanied by the appropriate resolution of support by the Municipality and the MPO (Charlotte Regional Transportation Planning Organization).

The Town of Cornelius is interested in applying this year for a grant to develop a **comprehensive bicycle master plan**. While the Town currently promotes pedestrian and greenway projects in multiple comprehensive, transportation, and recreation plans, a separate bike plan is necessary in order to be competitive for State and Federal grants for bicycle project funding, including greenways.

### **Funding**

NCDOT has set a funding cap based on population, and associated with the average costs if the plans were prepared by consultants, or by a combination of consultants and staff. If the plans cost more than the funding cap, the municipality would be responsible for covering the difference. On average, bicycle plans for municipalities similar to Cornelius with populations between 10,000 and 50,000 people cost about **\$49,000**. NCDOT would provide 70% of the cost to complete the bicycle plan (up to \$34,300) with a 30% local match required (up to **\$14,700**). Per the schedule below, the match would be reimbursed beginning in Fiscal Year 2015 through 2016.

Staff costs and in-house services are not eligible for reimbursement with these grants. Allowable expenses include consultant costs associated with plan development and delivery, GIS mapping services, preparation of technical illustrations and graphics, and non-staff costs associated with data collection and public workshops.

### **Process & Schedule:**

The awards committee at NCDOT will evaluate and rank proposals based on how well the plan satisfies the selection criteria. Selected grant recipients must execute a legal agreement with NCDOT prior to receiving funding, which will also include a Municipal Reimbursement Agreement (MRA). This agreement must be executed within six months after notification that the grant has been awarded. In addition, the funded municipality must also submit the final plan

to the City Council or other approving authority for adoption. Selected municipalities will receive a formal Notice to Proceed once the following conditions are met:

1. The Municipal Reimbursement Agreement is fully executed
2. A list of potential steering committee members is submitted to NCDOT, including a representative from the CRTPO
3. An executed consultant contract with approved scope of work and cost proposals is submitted

Awarded municipalities will have 18 months to complete their plan, and the following key dates were established by the Division of Bicycle & Pedestrian Transportation:

<u>Activity</u>	<u>Date</u>
Issue Call for proposals	September 19, 2013
Application submission deadline – 5:00 PM	December 20, 2013
Awards Committee makes recommendations to NCDOT	March, 2014
Municipalities notified of award	June, 2014
MRA executed and Notice to Proceed issued	Nov-Dec, 2014 (within 6 months from award notification)
Plan completion date	Dec-June, 2015 (12-18 months from issuance of MRA)

**Recommendation:**

The Town of Cornelius requests that the Charlotte Regional Transportation Planning Organization (CRTPO) adopt a resolution in support of our efforts to move forward with final preparation of the grant application.

# RESOLUTION

## ENDORISING THE BICYCLE & PEDESTRIAN PLANNING GRANT PROPOSAL OF THE TOWN OF CORNELIUS

A motion was made by \_\_\_\_\_ and seconded by MPO Member \_\_\_\_\_ for the adoption of the resolution, and upon being put to a vote was duly adopted.

**WHEREAS**, the North Carolina Department of Transportation has issued a call for projects for the Bicycle & Pedestrian Planning Grant Initiative; and

**WHEREAS**, the Town of Cornelius plans to apply for funds to prepare a comprehensive bicycle master plan; and

**WHEREAS**, the Charlotte Regional Transportation Planning Organization (CRTPO) has consistently supported bicycle and pedestrian planning initiatives by its member jurisdictions; and

**WHEREAS**, the Town's proposal is consistent with CRTPO's goals and objectives which seek to "provide, manage and maintain a safe, efficient and sustainable transportation system for all modes, intended to serve all segments of the population" and "encourage walking, bicycling and transit options, integrated with motor vehicle transportation, by providing a transportation system that serves the public with mobility choices"; and

**WHEREAS**, the rules associated with the Program require that Metropolitan Planning Organizations (MPO) endorse projects in urban areas; and

**WHEREAS**, the CRTPO is the MPO for the Charlotte urbanized area; and

**WHEREAS**, the Technical Coordinating Committee reviewed the proposal and recommended that it be endorsed by the MPO.

**NOW THEREFORE BE IT RESOLVED** by the Charlotte Regional Transportation Planning Organization that it endorses the Bicycle & Pedestrian Planning Grant proposal of the Town of Cornelius on this the 20<sup>th</sup> day of November 2013.

\*\*\*\*\*  
I, Sarah McAulay, Chairwoman of the Charlotte Regional Transportation Planning Organization, do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Charlotte Regional Transportation Planning Organization, duly held on November 20, 2013.

\_\_\_\_\_  
Sarah McAulay, Chairwoman

\_\_\_\_\_  
Robert W. Cook, Secretary



charlotte regional transportation planning organization

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**TO:** TCC Members  
**FROM:** Robert W. Cook, AICP  
 CRTPO Secretary  
**DATE:** October 31, 2013  
**SUBJECT:** 2012-2018 TIP Amendments

**REQUEST**

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

**BACKGROUND**

NCDOT's Program Development Branch has requested that the CRTPO amend its TIP for the projects listed below.

Local Projects			
TIP #	Description	Proposed Amendment	Reason
U-5112	Intersection improvements at Potter Road and Pleasant Plains Road	Modify scope and add funding from W-5502	U-5112 and W-5502 (see below) are being combined into a single project
W-5502	Install left turn lanes and revise traffic signal at intersection of Potter Road and Pleasant Plains Road	Delete project from TIP	U-5112 and W-5502 are being combined into a single project
U-3321	Garden Parkway	Delay ROW and Construction from FY 14 to FY 16	Supplemental legislative funding no longer available; project required to be reassessed through SPOT
U-5107	Transportation improvements at the Marion Diehl Center (Queens University)	Delay construction from FY 13 to FY 15	No activity by Queens University to advance the project
U-4713B	Campus Ridge Road realignment	Delay construction from FY 13 to FY 14	Allow additional time to acquire ROW
W-5520	US 74: Fairview Road to Wesley Chapel-Stouts Road. Convert existing full movement signalized intersections to signalized superstreet design	Add ROW in FY 14 and add construction in FY 15	Project requested by NCDOT Mobility & Safety Division
Statewide Projects			
Y-5500	Traffic separation study implementation and closures	Add ROW and construction in FY 14 and FY 15	Not previously programmed

Z-5400	Highway rail grade crossing safety improvements	Add ROW and construction in FY 14 and FY 15	Not previously programmed
W-5301	Lane departure systemic improvements	Delete from TIP	Work to be completed under W-5517

**ATTACHMENTS**

A draft resolution is included in the agenda packet.

**RESOLUTION  
ADOPTING AMENDMENTS TO THE  
CHARLOTTE REGIONAL TRANSPORTATION PLANNING ORGANIZATION  
TRANSPORTATION IMPROVEMENT PROGRAM  
FOR FY 2012- FY 2018**

A motion was made by \_\_\_\_\_ and seconded by \_\_\_\_\_ for the adoption of the resolution and upon being put to a vote was duly adopted.

**WHEREAS**, the Charlotte Regional Transportation Planning Organization (CRTPO) has reviewed the current FY 2012-FY 2018 Transportation Improvement Program and found the need to amend it; and

**WHEREAS**, the following amendments to the North Carolina Transportation Improvement Program have been proposed:

<b>Local Projects</b>			
<b>TIP #</b>	<b>Description</b>	<b>Proposed Amendment</b>	<b>Reason</b>
U-5112	Intersection improvements at Potter Road and Pleasant Plains Road	Modify scope and add funding from W-5502	U-5112 and W-5502 (see below) are being combined into a single project
W-5502	Install left turn lanes and revise traffic signal at intersection of Potter Road and Pleasant Plains Road	Delete project from TIP	U-5112 and W-5502 are being combined into a single project
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U-5107	Transportation improvements at the Marion Diehl Center (Queens University)	Delay construction from FY 13 to FY 15	No activity by Queens University to advance the project
U-4713B	Campus Ridge Road realignment	Delay construction from FY 13 to FY 14	Allow additional time to acquire ROW
W-5520	US 74: Fairview Road to Wesley Chapel-Stouts Road. Convert existing full movement signalized intersections to signalized superstreet design	Add ROW in FY 14 and add construction in FY 15	Project requested by NCDOT Mobility & Safety Division
<b>Statewide Projects</b>			
Y-5500	Traffic separation study implementation and closures	Add ROW and construction in FY 14 and FY 15	Not previously programmed
Z-5400	Highway rail grade crossing safety improvements	Add ROW and construction in FY 14 and FY 15	Not previously programmed
W-5301	Lane departure systemic improvements	Delete from TIP	Work to be completed under W-5517

**WHEREAS**, the Technical Coordinating Committee voted to recommend that the TPO approve the TIP amendments; and

**WHEREAS**, the TPO finds that the proposed amendment conforms to the purpose of the North Carolina State Implementation Plan for maintaining the National Ambient Air Quality Standards in accordance with 40 CFR 51 and 93; and

**WHEREAS**, the 2035 Long Range Transportation Plan has a planning horizon year of 2035 and meets all requirements of 23 CFR 450.

**NOW THEREFORE BE IT RESOLVED** by the Charlotte Regional Transportation Planning Organization that the FY 2012-FY 2018 Metropolitan Transportation Improvement Program for the Charlotte Urban Area be amended as listed above on this the 20<sup>th</sup> day of November, 2013.

\*\*\*\*\*

I, Sarah McAulay, Chairwoman of the Charlotte Regional Transportation Planning Organization, do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Charlotte Regional Transportation Planning Organization, duly held on this the 20th day of November, 2013.

\_\_\_\_\_  
Sarah McAulay, Chairman

\_\_\_\_\_  
Robert W. Cook, Secretary





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**TO:** TCC Members  
**FROM:** Robert W. Cook, AICP  
MUMPO Secretary  
**DATE:** October 29, 2013  
**SUBJECT:** **UPWP Review Committee**

**ACTION REQUESTED**

Approve the establishment of the UPWP Review Committee and recommend that the TPO endorse the committee.

**BACKGROUND**

The Review Committee’s purpose will be to review, comment upon, and help steer the formation of the Unified Planning Work Program. The committee is a recommendation of the study of the UPWP development process that was prepared in response to direction from TPO members during the preparation of the revised MOU.

**REVIEW COMMITTEE MEMBERSHIP RECOMMENDATIONS**

The study made specific recommendations on the agencies that should be represented on the Review Committee; the list below reflects the study’s recommendations. The Lake Norman Transportation Commission and Mecklenburg County Land Use & Environmental Services Agency (LUESA) recommended participation addresses the study’s call for the committee to include representation from agencies not traditionally involved in the UPWP’s preparation.

<b>Agency</b>	<b>Representative</b>
Transit	David McDonald
Charlotte DOT	Andy Grzymiski Jayne Peterson
Travel Demand Model	Anna Gallup
NCDOT-Transportation Planning Branch	Anil Panicker
NCDOT-Public Transportation Division	Tamara Shaw
NCDOT-Division Representative	David Keilson
Federal Highway Administration	Loretta Barren
Federal Transit Administration	Myra Immings
Town Representative	Greg Mahar
County Representative	Andrew Ventresca
Lake Norman Transportation Commission	Bill Thunberg
Mecklenburg County LUESA	Leslie Rhodes



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**TO:** TCC Members  
**FROM:** Robert W. Cook, AICP  
MUMPO Secretary  
**DATE:** October 29, 2013  
**SUBJECT:** **FY 2013 UPWP Amendment**

**ACTION REQUESTED**

Recommend that the TPO approve an amendment to the FY 2013 Unified Planning Work Program as presented.

**BACKGROUND**

CRTPO annually receives \$800,000 in Surface Transportation Program-Direct Attributable (STP-DA) funds to support the metropolitan transportation planning process. For several years, the reimbursement process did not recoup all STP-DA funds, resulting in a fund balance of \$538,687. The proposed amendment will allocate the funds to two critical tasks: Metropolitan Transportation Plan development and the Congestion Management Process.

**PROPOSED TASK CODE ALLOCATION**

Staff proposes that the funds be allocated to the following task codes:

<b>Task Code</b>	<b>Name</b>	<b>Amount</b>	<b>Reason</b>
IV-2	Highway Element of the LRTP	\$338,867	Additional funding for activities related to the development of the fiscally constrained roadway project list.
V-1	Congestion Management Strategies	\$200,000	Implementation of the Congestion Management Process



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

1554 MAIL SERVICE CENTER, RALEIGH, N.C. 27699-1554


PAT MCCRORY  
GOVERNOR

ANTHONY J. TATA  
SECRETARY

August 30, 2013

**MEMORANDUM**

**TO:** MPO Local Contacts

**FROM:** Terry C. Arellano, PE   
Systems Planning Group

**SUBJECT:** Functional Classification System Update within North Carolina MPOs

All of the North Carolina Metropolitan Planning Organizations (MPO) have completed a review of their 2010 Census designated urbanized area boundaries and adjusted their planning area boundaries. We are now set to embark on a review of the federal Functional Classification (FC) system within both urban and rural areas. This review will be accomplished cooperatively by staff at the Transportation Planning Branch and within your organization.

In the past, this review was necessary to accommodate changes in urbanized area and MPO boundaries since there were different FC designations for rural and urban areas. The Highway Performance Monitoring System (HPMS) Reassessment 2010+ resulted in recommendations for the revision of highway functional classifications that impact this decennial review. The Reassessment included three modifications relevant to functional classification: 1) collapsing the number of classification codes from 12 to 7; 2) eliminating the need to "drop down" functional classification designations when transitioning from an urban to a rural area; and 3) eliminating the urban versus rural qualifier from functional classification designations. The last of these modifications essentially eliminates the need to update the functional classification designation whenever a change occurs in an urban or urbanized area boundary and will hopefully lead to more consistent reporting of highway functional classes across and within States.

NCDOT implemented changes relevant to this modification in 2009 by merging the urban and rural systems into one set of codes as part of the development of its Attribute Road Inventory Database (ARID) tool.

However, TPB feels that a review of the FC system is a worthwhile endeavor at this time since it will:

- Help to validate the wholesale systems modifications that were made to respond to the functional classification modifications required by the HPMS Reassessment 2010+; and

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
TRANSPORTATION PLANNING BRANCH  
1554 MAIL SERVICE CENTER  
RALEIGH NC 27699-1554



<http://ncdot.org/doh/preconstruct/tpb/>

**LOCATION:**  
TRANSPORTATION BUILDING  
1 SOUTH WILMINGTON STREET  
RALEIGH, NC 27601  
Phone: 919-707-0900  
Fax: 919-733-9794

- Help to identify any justifiable modifications deemed necessary from the local perspective.

When combined with future careful monitoring of the system and modifications as needed upon the completion of new roadways, this should alleviate the need to perform this review after future Census updates.

In light of this, we are asking that you work with your MPO Coordinator from TPB and members of your MPO to review the functional classification system within your planning jurisdiction and propose any modifications that your MPO feels are justified at this time. The attached guidelines offer an overview of the tasks/responsibilities and the attached schedule outlines the timeline for the completion of this review. An FTS transmission containing the ArcMap package needed to complete this review will be distributed on Tuesday, September 3, 2013. **Please note that comments/proposed modifications are due to Rockne Bryant no later than December 2, 2013.** If you have any questions or concerns regarding this endeavor, feel free to contact me by telephone (919-707-0960) or email ([tarellano@ncdot.gov](mailto:tarellano@ncdot.gov)).

#### Attachments

cc: Mike Bruff, PE, Transportation Planning Branch  
Travis Marshall, PE, Transportation Planning Branch  
Dan Thomas, PE, Transportation Planning Branch  
Earlene Thomas, PE, Transportation Planning Branch  
Rockne Bryant, Transportation Planning Branch  
Geographic Planning Group Supervisors, Transportation Planning Branch  
MPO Coordinators, Transportation Planning Branch

## SUBMITTING PROPOSED FUNCTIONAL CLASSIFICATION (FC) MODIFICATIONS:

### Metropolitan Planning Organizations

The Functional Classification System (FC) Update is being conducted in GIS utilizing the most recent Road Characteristics data obtained from ARID. This will allow a quick and accurate update of the Road Characteristics data, which can then be loaded back into the ARID system.

Accompanying this guidance package, you received a Functional Classification Modification Map Package for your MPO that should be loaded into ArcMap (Version 10). Please use the procedure outlined on the following pages to review the current functional classification system within your MPO and to propose any modifications to the system utilizing this map package. **(Note - If your organization does not use ArcMap 10.1, please contact Rockne Bryant ([rbryant@ncdot.gov](mailto:rbryant@ncdot.gov)) to be sent the appropriate shape files needed to complete the update.**

With this update, there are three basic types of modifications that might be needed:

- Corrections to official functional classification mapping;
- Adjustments due to previous designation based on urbanized boundaries; and
- Modifications at the MPO's request.

#### **Corrections to Official Functional Classification Mapping**

In addition to the review that is being requested of the MPOs and completed in the RPO areas, TPB will be conducting a review to verify that the functional classification system represented in ARID is consistent with the official maps kept prior to implementation of the ARID tool and to reclassify roads affected by the 2010 Census UZA/UCA revisions. **However, if you are aware of any instances such as this, please submit them with the additional modification requests for your MPO. Indicate in one of the "Comment" fields that this proposed modification is a technical correction.**

#### **Adjustments Due to Previous Designation Based on Urban Boundaries**

Historically, the functional classification system has been updated once an MPO approved a revised urbanized area boundary based on the decennial Census. As part of these updates, functional classification was automatically upgraded along a route as it transitioned from rural to urbanized areas. This practice has been eliminated, per FHWA guidance, and upgrading the functional classification due to an actual change in roadway function is the operative criterion that is to be used.

For this reason, we are asking that MPOs closely review the functional classification designations near the urbanized area boundary. If the functional classification "steps down" as a roadway transitions from the urbanized area to the rural area, this should be adjusted so that changes occur at logical termini. **Indicate in one of the "Comment" fields that this proposed modification is due to removal of UZA .**

#### **Modifications at the MPO's Request**

As traffic patterns change over time through either roadway construction or land use change, roadway functions may change as well. Reclassifying roadways to match their current purpose helps to maintain the proper hierarchy, reflecting the importance of each roadway in the network. If such modifications are proposed within your area, then NCDOT requires documentation to support the request. **Indicate in one of the "Comment" fields the reasoning that substantiates the proposed modification.**

**Please be mindful of the following guidelines when requesting modifications to the existing functional classification system for your area:**

**Connectivity –**

- Roadway segments that do not connect in the system (i.e., stubs) may not be functionally classified above the Local classification.
- Roadways that change classification along their routing should change at the nearest cross street.

**Function –** Follow guidance as outlined in the [Federal Functional Classification Guidelines](#).

**Land Use –** The level of accessibility to surrounding land uses is a critical element in determining the functional classification of a roadway:

- In an area where a high degree of access to abutting land use is required (residential, agricultural, etc.) service should be provided primarily by the collector system.
- In an area where access is restricted (commercial, industrial, etc.) service should be provided by the principal arterial system.
- In an area where a moderate level of access is desirable service should be provided by the minor arterial system.

**Trip Length –** As functional classification moves up the hierarchy from collector to principal arterial, trips of increasing length should be accommodated.

**Spacing –** The distance between identical classification types should increase as the level of classification increases (i.e., principal arterials should be spaced further apart than collectors)

**Vehicle Miles Traveled (VMT) –** A properly developed system should be balanced based on the percentage of mileage and VMT each classification carries in comparison to the entire system. The following guidance is offered by FHWA concerning the VMT percentages:

- All Arterials and Collectors combined – maximum of 35 percent of statewide route mileage. (Rural Minor Collector mileage and VMT does not contribute, but it is included here as "Collectors" because the existing extent guidance does not break out any separate guidance for them.)
- All Arterials and Collectors combined – between 70 percent and 80 percent of statewide VMT.

Note that this guidance is intended to be applied on a **statewide** basis, rather than by county, or by individual urbanized or small urban area.

**Traffic Volume –** Traffic counts should be considered, but are not the only determining factor in establishing classification.

**Federal Aid –** While functionally classifying a roadway makes it eligible for Federal Aid funding, functional classification modifications cannot be approved solely for Federal Aid funding eligibility.

**Systemwide Considerations –** Consideration should be given to the effect a classification change may have on the larger system (both inside and outside your area). As a result, there may be the need to change (downgrade or upgrade) a roadway(s) in the area whether directly connected to the request or not.

**TIMELINE:**

<u>Task</u>	<u>Responsibility</u>	<u>Timeframe</u>
• Review FC Review Process with Planning Groups	TPB	8/19/2013 to 8/30/2013
• Send guidance to MPOs	TPB	Deadline: 8/30/2013
• <i>RPO Areas – Review current FC and make recommended revisions</i>	<i>TPB - RPO Coordinators</i>	<i>8/30/2013 to 10/31/2013</i>
• <i>RPO Areas – Review recommended revisions &amp; submit any comments</i>	<i>RPO Staff</i>	<i>11/4/2013 to 12/2/2013</i>
• <b>MPO Areas – Review current FC &amp; submit recommended revisions</b>	<b>MPO Coordinators^ &amp; MPO Staff</b>	<b>8/30/2013 to 12/2/2013</b>
• All Areas – Review recommended revisions & accept as appropriate; finalize Revised FC in GIS	TPB	11/30/2013 to 12/31/2013
• All Areas – Review final Revised FC with Branch Manager and Unit Heads	TPB	Deadline: 1/15/2014
• Notify MPOs/RPOs of final Revised FC & request final MPO approval letter/resolution	TPB	Deadline: 1/17/2014
• Submit Revised FC to FHWA for approval	TPB	Deadline: 2/15/2014
• Incorporate Revised FC into ARID at quarterly update	GIS	Deadline: 3/31/2014



charlotte regional transportation planning organization

600 East Fourth Street  
Charlotte, NC 28202  
704-336-2205  
www.crtpo.org

TO: TCC Members  
FROM: Nick Landa  
Principal Planner  
DATE: October 31, 2013  
SUBJECT: **SPOT Prioritization 3.0 (P3.0)**  
**Highway Project Submittals**

## BACKGROUND

The NCDOT's Strategic Planning Office of Transportation (SPOT) has been tasked with carrying out the project evaluation process outlined in the Strategic Transportation Investment legislation enacted on June 26, 2013. One of the tasks that must be accomplished by the TPO is to determine which highway projects to submit for inclusion, and subsequent evaluation, in the P3.0 database.

## PROCESS

The CRTPO is able to submit up to 20 new roadway projects for evaluation in P3.0. In addition, the projects that were submitted by the MPO previously during P2.0 remain in the database. Up to 5 of those existing roadway projects may be swapped out for new projects. A committee (see table on page 2) was formed to determine which 20 projects to recommend for inclusion in the database, and to determine if there are any projects in the existing database that should be removed. Removing projects could be necessary due to the cascading of projects across categories (a feature built into the STI legislation), or if a project is no longer viable.

This task must be completed by January 2014, at which time all projects must be submitted to SPOT. No TCC action is requested at this time.

## RECOMMENDATIONS

The designated P3.0 Highway Projects Committee met on Tuesday, October 23 to discuss which highway projects to recommend for inclusion in the database, and which to recommend be removed from the database. Generally, the committee agreed on the following principles for making its recommendations:

- New projects to be included in the database should be limited to projects in the 2025 Horizon Year of the 2040 MTP\*
- Projects not submitted for consideration in the 2040 MTP, but which are in the database from P2.0 should be removed from the database

*\*One exception to this rule is the I-77 South project in Charlotte, from Center City Charlotte to I-485 – the project was broken into 2 segments, both of which scored very well in the MTP evaluation process, but due to restrictions in the STI the lower scoring segment was moved to the 2030 Horizon Year of the 2040 MTP.*



Based on the guidelines outlined, the projects in the attached table are either:

- Highway projects not currently in the P3.0 database, but recommended to be added to the database as new projects, or
- Highway projects currently in the P3.0 database (left over from P2.0), but recommend to be removed from the database.

**NEXT STEPS**

In January, the TCC and CRTPO board will be asked to endorse the proposed highway projects list for inclusion in the P3.0 database.

<b>Roadway Projects - P3.0 Committee</b>	
<b>Name</b>	<b>Agency</b>
Neil Burke	Mooresville
Justin Carroll	Huntersville
Tim Gibbs	CDOT
Joe Lesch	Union County
David McDonald	CATS
Adam McLamb	Indian Trail
Ralph Messera	Matthews
Tracy Newsome	CDOT – Complete Streets/CTP
Andrew Ventresca	Iredell County
Nick Landa	CRTPO Staff

**P3.0 Existing Highway Projects**  
**DRAFT - SUBJECT TO CHANGE**

September 25, 2013

Proposed Removal													
Further Discussion (Nov. 6 Staff Meeting)													
EXISTING P3.0 HIGHWAY PROJECTS													
SPOTID	P2.0 SPOTID	Project Category	Improvement Type	Specific Improvement	TIP #	Route Number	Route Name	From/Cross Street	To	Description	First County	Second County	Funding Region
H090009	9	Division Needs	Interchange/ Intersection	Convert Grade Separation to Interchange	I-2514	I-77		SR 2171 (Jane Sowers Road)		Convert Grade Separation to An interchange.	Iredell		11, 12
H090018-B	18	Statewide Mobility	Interchange/ Intersection	Improve Interchange	I-3819B	I-40		I-77		Reconstruct interchange (Final Improvements)	Iredell		11, 12
H090036-AB	36	Statewide Mobility	Capacity	Widen Existing Roadway	I-4750AB	I-77		SR 5544 (West Catawba Avenue)	NC 150	Add General Purpose Lanes	Mecklenburg	Iredell	11, 12
H090036-B	36	Statewide Mobility	Capacity	Widen Existing Roadway	I-4750B	I-77		NC 150	NC 115/US 21	Add General Purpose Lanes	Iredell		11, 12
H090036-C	37	Statewide Mobility	Capacity	Widen Existing Roadway	I-4750C	I-77		NC 115/US 21	I-40	Add General Purpose Lanes	Iredell		11, 12
H090084-B (Break into 2 project segments - see next row)	86	Regional Impact	Capacity	Widen Existing Roadway	R-2307B (Section C is in Lincoln County and was dropped from the project - see description for proposed Section B)	NC 150		SR 1902 (Harvel Road) in Catawba County	Perth Rd in Iredell County	NC 27 in Lincolnton to Perth Rd in Iredell County. Widen to Multi-Lanes. Part of Section B: SR 1902 (Harvel Road) in Catawba County to I-77 in Iredell County.	Catawba	Iredell	11, 12
H090084-B		Regional Impact	Capacity	Widen Existing Roadway		NC 150		Perth Rd	I-77	Widen to Multi-Lanes. The remainder of Section B: SR 1902 (Harvel Road) in Catawba County to I-77 in Iredell County. Reconstruct NC 150 / I-77 interchange to DDI as part of this project.			
H090112	112	Regional Impact	Capacity	Widen Existing Roadway	R-2522	US 21/NC 115		Cedar Avenue in Troutman	SR 1336 in Barium Springs	Cedar Lane Avenue to SR 1336 in Barium Springs. Widen to a Multi-Lane Urban Facility.	Iredell		11, 12
H090129-B	129	Division Needs	Capacity	Widen Existing Roadway	R-2555B	SR 5544	West Catawba Avenue	NC 73 (Sam Furr Road)	SR 2151 (Jetton Road)	Widen to Multi-Lanes	Mecklenburg		08, 10
H090179-AB	179	Regional Impact	Capacity	Widen Existing Roadway	R-2632AB	NC 73		NC 115	SR 2693 (Davidson-Concord Road)	Widen to Multi-Lanes	Mecklenburg		08, 10
H090185 (Break into 2 project segments - see next row)	185	Regional Impact	Capacity	Widen Existing Roadway	R-2706	NC 73		SR 1356 in Lincoln County	Vance Road Ext / Beatties Ford Rd	SR 1356 in Lincoln County to Vance Road Ext / Beatties Ford Rd in Mecklenburg County. Widen to Multi-Lanes.	Lincoln	Mecklenburg	11, 12
H090185		Regional Impact	Capacity	Widen Existing Roadway		NC 73		Vance Road Ext / Beatties Ford Rd	SR 5544 (West Catawba Avenue)	Widen to Multi-Lanes			
H090255	255	Regional Impact	Capacity	Widen Existing Roadway	R-3802	NC 16		Rea Road Extension in Weddington	NC 75 in Waxhaw	Rea Road Extension in Weddington to NC 75 in Waxhaw. Widen to Multi-Lanes Along Existing Alignment.	Union		08, 10
H090265-C	265	Division Needs	Capacity	Widen Existing Roadway	R-3833C	SR 1100	Brawley School Road	SR 1116 (Talbert Rd)	US 21	Widen to Multi-Lanes	Iredell		11, 12
H090268	268	Regional Impact	Interchange/ Intersection	Improve Intersection	R-4059	US 21		Catawba Avenue		US 21/Catawba Avenue intersection Improvements.	Mecklenburg		08, 10

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**P3.0 Existing Highway Projects**  
**DRAFT - SUBJECT TO CHANGE**

September 25, 2013

Proposed Removal													
Further Discussion (Nov. 6 Staff Meeting)													
EXISTING P3.0 HIGHWAY PROJECTS													
SPOTID	P2.0 SPOTID	Project Category	Improvement Type	Specific Improvement	TIP #	Route Number	Route Name	From/Cross Street	To	Description	First County	Second County	Funding Region
H090312 (Break into 2 project segments - see next row)	312	Division Needs	Capacity	Widen Existing Roadway	R-5100	SR 1109	Williamson Road	SR 1100 (Brawley School Rd)	NC 150	Widen to Multi-Lanes	Iredell		11, 12
H090312		Division Needs	Capacity	Widen Existing Roadway		SR 1109	Williamson Road	I-77	SR 1100 (Brawley School Rd)	Widen to Multi-Lanes			
H090319	319	Division Needs	Capacity	Construct Roadway on New Location	U-0203		Airport Entrance Rd	US 29/74 (Wilkinson Boulevard)	Scott Futrell Drive	Construct Multi-Lane Connector with grade separation over US 29/74 (Wilkinson Blvd)	Mecklenburg		08, 10
H090320	320	Division Needs	Capacity	Widen Existing Roadway	U-0213	SR 1009	Charlotte Avenue	CSX Railroad	Concord Avenue	Csx Railroad to Concord Avenue. Widen to Multi-Lanes.	Union		08, 10
H090343	343	Division Needs	Capacity	Widen Existing Roadway	U-2547	SR 2188	Charles Street	SR 2181 (Sunset Drive)	SR 2100 (Franklin Street)	SR 2181 (Sunset Drive) to SR 2100 (Franklin Street). Widen to Multi-Lanes.	Union		08, 10
H090344	344	Division Needs	Capacity	Construct Roadway on New Location	U-2549		New Route - Monroe Northern Loop	US 74	SR 1751 (Walkup Avenue) at SR 1763 (Bivens Road)	US 74 to SR 1751 (Walkup Avenue) at SR 1763 (Bivens Road). Two Lanes on Four Lane Right of Way.	Union		08, 10
H090350	350	Division Needs	Capacity	Widen Existing Roadway and Construct Part on New Location	U-2568	SR 2333	East Side Drive	SR 2352 (Barkley Road)	SR 2321 (East Broad Street)	SR 2352 (Barkley Road) to SR 2321 (East Broad Street). Widen to Multi-Lanes, Part on New Location.	Iredell		11, 12
H090353-B	353	Statewide Mobility	Interchange/ Intersection	Improve Interchange	U-2704B	US 29/74	Wilkinson Boulevard	SR 5901 (Billy Graham Parkway)		US 29-74 (Wilkinson Boulevard) and SR 5901 (Billy Graham Parkway). Area Improvements. Section B: Charlotte, US 29-74 (Wilkinson Boulevard) and SR 5901 (Billy Graham Parkway).	Mecklenburg		08, 10
H090363	363	Regional Impact	Capacity	Widen Existing Roadway	U-2731	US 21		SR 1933	Fort Dobbs Rd	SR 1933 to Fort Dobbs Rd. Widen to Multi-Lanes and Realign offset intersections of SR 1922 and SR 2171.	Iredell		11, 12
H090379	379	Regional Impact	Capacity	Widen Existing Roadway	U-2930	US 21		US 64	Carolina Ave	US 64 to Carolina Ave. Widen to Multi-Lanes.	Iredell		11, 12
H090418-A	9126	Regional Impact	Capacity	Construct Roadway on New Location	U-3467A	NC 84	New Route - Rea Road Extension	NC 16	12 Mile Creek Rd	Construct Two Lanes on New Location, on Multi-Lane Right-of-Way	Union		08, 10
H090418-B	418	Regional Impact	Capacity	Construct Roadway on New Location	U-3467B	NC 84	New Route - Rea Road Extension	NC 16	12 Mile Creek Rd	Widen to Multi-Lanes	Union		08, 10
H090418-C	1310	Regional Impact	Capacity	Widen Existing Roadway	U-3467C	NC 84	Weddington Rd	12 Mile Creek Rd	SR 1008 (Indian Trail-Waxhaw Road)	Widen to Multi-Lanes	Union		08, 10
H090434	434	Division Needs	Capacity	Construct Roadway on New Location	U-3619		New Route - Secrest Avenue Extension	SR 1751 (Walkup Avenue)	SR 1006 (Olive Branch Road)	SR 1751 (Walkup Avenue) to SR 1006 (Olive Branch Road). Multi-Lanes on New Location with interchange at Proposed Monroe Bypass (R-2559).	Union		08, 10
H090455-A	455	Regional Impact	Capacity	Widen Existing Roadway	U-4024A	US 601		Existing US 74	Proposed Monroe Bypass (R-2559)	US 74 to the Proposed Monroe Bypass (R-2559). Widen to Multi-Lanes and Construct Improvements to the Existing US 74/US 601 interchange. Section A: Existing US 74 to the Proposed Monroe Bypass (R-2559).	Union		08, 10

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**P3.0 Existing Highway Projects**  
**DRAFT - SUBJECT TO CHANGE**

September 25, 2013

Proposed Removal													
Further Discussion (Nov. 6 Staff Meeting)													
EXISTING P3.0 HIGHWAY PROJECTS													
SPOTID	P2.0 SPOTID	Project Category	Improvement Type	Specific Improvement	TIP #	Route Number	Route Name	From/Cross Street	To	Description	First County	Second County	Funding Region
H090455-B	456	Regional Impact	Interchange/ Intersection	Improve Interchange	U-4024B	US 601		Existing US 74		US 74 to the Proposed Monroe Bypass (R-2559). Widen to Multi-Lanes and Construct Improvements to the Existing US 74/US 601 interchange. Section B: initial Improvements to the Existing US 74-US 601 interchange.	Union		08, 10
H090455-C	457	Regional Impact	Interchange/ Intersection	Improve Interchange	U-4024C	US 601		Existing US 74		US 74 to the Proposed Monroe Bypass (R-2559). Widen to Multi-Lanes and Construct Improvements to the Existing US 74/US 601 interchange. Section C: Final Improvements to the Existing US 74-US 601 interchange.	Union		08, 10
H090483-A	483	Division Needs	Capacity	Construct Roadway on New Location	U-4713A	SR 3440	New Route - McKee Road Extension	SR 3448 (Pleasant Plains Road)	SR 1009 (John Street)	Construct Two Lanes on New Location, on Multi-Lane Right-of-Way	Mecklenburg		08, 10
H090484-A	484	Division Needs	Capacity	Widen Existing Roadway	U-4714A	SR 1009, SR 1010	John Street/Old Monroe Road	SR 3448 / SR 3474 (Trade Street)	I-485	Widen to Multi-Lanes	Mecklenburg		08, 10
H090484-B (add this segment - was in the TIP, but funded after FY2015, so subject to STI)		Division Needs	Capacity	Widen Existing Roadway	U-4714B	SR 1009, SR 1010	John Street/Old Monroe Road	I-485	SR 1008 (Indian Trail-Waxhaw Road)	Widen to Multi-Lanes (B section of U4714 - Sections A and C in database but not Section B)			
H090484-C	485	Division Needs	Capacity	Widen Existing Roadway	U-4714C	SR 1009, SR 1010	John Street/Old Monroe Road	SR 1008 (Indian Trail Road)	SR 1377 (Wesley Chapel-Stouts Road)	Widen to Multi-Lanes	Union		08, 10
H090492	492	Regional Impact	Capacity	Widen Existing Roadway	U-4749	US 64/70	Garner Bagnel Road	I-40	I-77	I-40 to I-77. Widen to Four Lane Divided Facility.	Iredell		11, 12
H090502	502	Division Needs	Capacity	Widen Existing Roadway	U-4913		Idlewild Road	I-485	SR 1524 (Stevens Mill Road)	I-485 to SR 1524 (Stevens Mill Road). Widen to Multi-Lanes.	Mecklenburg	Union	08, 10
H090503	503	Regional Impact	Capacity	Widen Existing Roadway	U-4914	NC 150		NC 115	NC 150-NC 152 Split	NC 115 to NC 150-NC 152 Split. Widen to Four Lane Divided Facility.	Iredell		11, 12
H090511	511	Regional Impact	Capacity	Widen Existing Roadway	U-5007	NC 51		Matthews Township Parkway	SR 3128 (Lawyers Road)	Matthews township Parkway to SR 3128 (Lawyers Road). Widen to Multi-Lanes.	Mecklenburg		08, 10
H090540	540	Regional Impact	Modernization (but not only for bike lanes - leave in database?)	Modernize Roadway		US 21		NC 150	Cedar Lane	Improve US 21 from NC 150 in Mooresville North to Cedar Lane in Downtown Troutman.	Iredell		11, 12
H090552	552	Division Needs	Interchange/ Intersection	Convert Grade Separation to Interchange				I-77	SR 1302 (Cornelius Road)	Construct a New interchange For Cornelius Road (SR 1302) at I-77 Between Mooresville and Troutman.	Iredell		11, 12
H090589	589	Regional Impact	Modernization	Modernize Roadway		NC 115		Legion Street	Smith Road	Construct Bicycle Lanes and Sidewalks	Mecklenburg		08, 10
H090592	592	Division Needs	Capacity	Widen Existing Roadway			Gilead Road	US 21 (Statesville Road)	NC 115	Widening to 4 Lanes and Add Bike Lanes.	Mecklenburg		08, 10

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**P3.0 Existing Highway Projects**  
**DRAFT - SUBJECT TO CHANGE**

September 25, 2013

Proposed Removal													
Further Discussion (Nov. 6 Staff Meeting)													
EXISTING P3.0 HIGHWAY PROJECTS													
SPOTID	P2.0 SPOTID	Project Category	Improvement Type	Specific Improvement	TIP #	Route Number	Route Name	From/Cross Street	To	Description	First County	Second County	Funding Region
H090593	593	Statewide Mobility	Interchange/ Intersection	Upgrade At-grade Intersection to Interchange or Grade Separation		SR 5901	Billy Graham Parkway	NC 160 (West Boulevard)		New interchange.	Mecklenburg		08, 10
H090594	594	Division Needs	Capacity	Widen Existing Roadway		SR 1007	Rocky River Road	Old Charlotte Highway	US 74	Widening to 4 Lanes, Median and Sidewalks.	Union		08, 10
H090624 (Break into 2 project segments - see next row)	624	Regional Impact	Capacity	Widen Existing Roadway		US 21	Statesville Road	Northcross Center Court	SR 2147 (Westmoreland Rd)	Widening to 4 Lanes, Bike Lanes and multi-use path.	Mecklenburg		08, 10
H090624		Regional Impact	Capacity	Widen Existing Roadway		US 21	Statesville Road	SR 2147 (Westmoreland Rd)	SR 5544 (Catawba Avenue)	Widening to 4 Lanes, Bike Lanes and multi-use path.			
H090671	671	Regional Impact	Capacity	Widen Existing Roadway		NC 27	Freedom Drive/Mount Holly Road	SR 1644 (Toddville Road)	I-485	Widening to 4 Lanes and Bike Lanes.	Mecklenburg		08, 10
H090697	697	Division Needs	Capacity	Widen Existing Roadway and Construct Part on New Location			Lawyers Road	Old Lawyers Road	Lawyers Road	This New Alignment and Brigde Will Connect Old Lawyers Road with Lawyers Road Over the Rocky River. This Project Will Cross from the Rpo into Mumpo. the Road Portion Would Be 18 to 24 Feet Widening.	Union		08, 10
H090698	698	Division Needs	Capacity	Construct Roadway on New Location			New Route	NC 205	Old Lawyers	Connect Thomas Helms to NC 205 with a New Alignment. Two Lane Extension.	Union		08, 10
H090928	928	Regional Impact	Capacity	Construct Roadway on New Location		NC 75	New Route - Waxhaw Bypass	NC 75	NC 75	NC 75 Bypass of Waxhaw; Existing and New Location	Union		08, 10
H090962 (Reduce 5 project segments to 2 project segments; add frontage road improvements - see description)	962	Statewide Mobility	Capacity	Upgrade Arterial to Freeway/Express way	U-2509	US 74	Independence Boulevard	I-485	Sardis Road North	I-485 to Sardis Rd North. Upgrade Corridor to Provide Additional Capacity and Safety. Feasibility Study Underway. Include improvements to extend Krefeld Dr from existing Krefeld Dr to Sardis Rd North, and improvements to Arequipa Dr/Northeast Pkwy from Margaret Wallace Rd to Sam Newell Rd.	Mecklenburg		08, 10
H090966 (Reduce 5 project segments to 2 project segments; add frontage road improvements - see description)	966	Statewide Mobility	Capacity	Upgrade Arterial to Freeway/Express way	U-2509	US 74	Independence Boulevard	Sardis Road North	Conference Dr	Sardis Rd North to Conference Dr. Upgrade Corridor to Provide Additional Capacity and Safety. Feasibility Study Underway. Include improvements to Krefeld Dr/Independence Pointe Pkwy from Crownpoint Exec Dr to Sam Newell Rd, improvements to Northeast Pkwy from Overcash Dr to Matthews-Mint Hill Rd, improvements to Independence Pointe Pkwy from Sam Newell Rd to NC 51, and improvements to Independence Pointe Pkwy from Matthews-Mint hill Rd to Campus Ridge Rd.	Mecklenburg		08, 10

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**P3.0 Existing Highway Projects**  
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Proposed Removal													
Further Discussion (Nov. 6 Staff Meeting)													
EXISTING P3.0 HIGHWAY PROJECTS													
SPOTID	P2.0 SPOTID	Project Category	Improvement Type	Specific Improvement	TIP #	Route Number	Route Name	From/Cross Street	To	Description	First County	Second County	Funding Region
H111123	1123	Regional Impact	Signal System	Citywide Signal System			Mooreville Signal System	Mooreville City Limits	Mooreville City Limits	Construct Citywide Signal System in City of Mooreville	Iredell		11, 12
H111169	1169	Regional Impact	Capacity	Widen Existing Roadway		NC 115		Washam Potts Rd	Potts Street	Widen Roadway to 3 Lanes with Curb and Gutter, Bike Lanes and Sidewalks from SR 2600 to Potts Street, with Median and Turn Lanes.	Mecklenburg		08, 10
H111171	1171	Regional Impact	Modernization	Modernize Roadway		NC 115		Potts Street	Mecklenburg / Iredell County Line	Widen Roadway to Add Bike Lanes, Parking and Sidewalks. the Project Limits Are from Potts Street to the Mecklenburg / Iredell County Line	Mecklenburg		08, 10
H111172 (Break into 2 project segments - see next row)	1172	Regional Impact	Capacity	Widen Existing Roadway		NC 160		South Carolina State Line	NC 49 (S Tryon St)	Widen to Multi-Lanes	Mecklenburg		08, 10
H111172		Regional Impact	Capacity	Widen Existing Roadway		NC 160		NC 49 (S Tryon St)	SR 1116 (Shopton Rd West)	Widen to Multi-Lanes			
H111173	1173	Division Needs	Capacity	Construct Roadway on New Location		SR 1246		SR 1206 (Alcove Road)	Fairview Rd. (SR 1246)	Construct Fairview Rd, Overpass Over I-77 to Alcove Rd.	Iredell		11, 12
H111174	1174	Division Needs	Modernization	Modernize Roadway		SR 2350		US 21	SR 2342 (Amity Hill Rd)	Murdock Rd. from US-21 to SR 2342 (Amity Hill Rd) at Exit 45 Improve to Wider Lanes and Wider Shoulders, and realign to straighten a curve.	Iredell		11, 12
H111175	1175	Division Needs	Capacity	Widen Existing Roadway		SR 1349	Airport Road	SR 1162 (Goldmine Road)	NC 84	Widen to 4 Lanes, with Median, Bike Lanes and Sidewalks	Union		08, 10
H111176	1176	Regional Impact	Capacity	Widen Existing Roadway		NC 115		SR 1645 (Old Wilkesboro Rd)	Hartness Rd	NC 115 Widen to Multi-Lanes from SR 1645 (Old Wilkesboro Rd) to Hartness Rd	Iredell		11, 12
H111177	1177	Regional Impact	Capacity	Widen Existing Roadway		US 21		NC 24 (Harris Boulevard)	SR 2136 (Gilead Road)	Widen to Multi-Lanes, Median, Wide Outside Lanes	Mecklenburg		08, 10
H111178	1178	Regional Impact	Modernization (but not only for bike lanes - leave in database?)	Modernize Roadway		NC 115		Timber Rd. (SR 1245)	SR 1102 (Langtree Rd)	NC 115 from Timber Rd. to SR 1102 (Langtree Rd). Widen Lanes and Add Paved Shoulders	Iredell		11, 12
H111179	1179	Division Needs	Capacity	Construct Roadway on New Location			New Route	Bridgeford Lane	Northdowns Lane	Construct a New Bridge Across I-77 South of NC 73, Linking SR 2141 (Northcross Drive) to US 21.	Mecklenburg		08, 10
H111180	1180	Statewide Mobility	Interchange/ Intersection	Upgrade At-grade Intersection to Interchange or Grade Separation		SR 5901		Morris Field Drive		Construct Grade Separation at the intersection of SR 5901 (Billy Graham Parkway) and Morris Field Drive.	Mecklenburg		08, 10
H111182 (Construct as part of NC 150 widening project from Perth Rd to I-77 - see SPOT ID H090084-C)	1182	Statewide Mobility	Interchange/ Intersection	Improve Interchange		I-77		NC 150		Reconstruct interchange to DDI	Iredell		11, 12

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EXISTING P3.0 HIGHWAY PROJECTS													
SPOTID	P2.0 SPOTID	Project Category	Improvement Type	Specific Improvement	TIP #	Route Number	Route Name	From/Cross Street	To	Description	First County	Second County	Funding Region
H111183	1183	Division Needs	Capacity	Construct Roadway on New Location		SR 2117 (Hambright Rd)		Everette Keith Road	SR 2459 (Eastfield Road)	Construct New 4 Lane Road with Median, Bike Lanes and Sidewalks	Mecklenburg		08, 10
H111184	1184	Statewide Mobility	Capacity	Widen Existing Roadway		I-40		Radio Road	Catawba River	I-40 Widen to 6 Lanes from Statesville to the Catawba County Line	Iredell		11, 12
H111186	1186	Regional Impact	Capacity	Widen Existing Roadway		US 21		SR 2136 (Gilead Road)	Holly Point Drive	Widen to 4 Lanes with Median, Bike Lanes and Sidewalk	Mecklenburg		08, 10
H111188	1188	Division Needs	Capacity	Construct Roadway on New Location			New Route	SR 2427 (Mccord Road)	SR 2433 (Mays Road)	Construct New 2 Lane Road Extension of Church Street on New Location	Mecklenburg		08, 10
H111189	1189	Regional Impact	Modernization	Modernize Roadway		NC 115		Potts Street	SR 2158 (Griffith Street)	Widen Potts Street and Sloan Street to Add Bike Lanes and Sidewalks. Build Connector Between Potts Street and Sloan Street (Approximately 500-600 Feet in Length)	Mecklenburg		08, 10
H111190	1190	Statewide Mobility	Capacity	Widen Existing Roadway		US 74		Hanover Drive	SR 1007 (Rocky River Road)	Widen to 6 Lanes with Median, Curb and Gutter, Bike Lanes and Sidewalks. Project Limit Is from Hanover Drive to the western City Limits For City of Monroe	Union		08, 10
H111192	1192	Regional Impact	Capacity	Widen Existing Roadway and Construct Part on New Location			New Route	SR 3150 (Idlewild Road)	US 74	Construct Eastern Circumferential Between Idlewild Road and US 74 By Widening Roadway to Multi-Lanes on Existing Alignment, and constructing New Multi-Lane Roadway on New Alignment, with Median and Bike Lanes.	Mecklenburg		08, 10
H111195	1195	Division Needs	Capacity	Widen Existing Roadway		SR 1009		SR 1377 (Wesley Chapel-Stouts Road)	SR 1007 (Rocky River Road)	Widen Roadway to Multi-Lanes, with Median, Bike Lanes and Sidewalks	Union		08, 10
H111214	1214	Statewide Mobility	Interchange/ Intersection	Improve Interchange		I-485		NC 16 (Providence Road)		Upgrade interchange to increase Capacity	Mecklenburg		08, 10
H111238	1238	Division Needs	Capacity	Widen Existing Roadway		SR 1302		SR 1303 (Perth Rd)	US 21	Cornelius Rd. Widen to Multi-Lanes from SR 1303 (Perth Rd) to US 21	Iredell		11, 12
H111240	1240	Division Needs	Capacity	Construct Roadway on New Location			New Route	SR 1102 (Langtree Rd)	Shearers Rd. (SR 1125)	East-West Connector. NC115 at Langtree Rd. to Shearers Rd.	Iredell		11, 12
H111273	1273	Division Needs	Capacity	Construct Roadway on New Location		SR 2833	Mallard Creek Church Road Extension	NC 49	SR 2827 (Back Creek Church Road)	Extend SR 2833 (Mallard Creek Church Road) from NC 49 to SR 2827 (Back Creek Church Road). The Road Extension Will Become Part of Charlotte'S Eastern Circumferential Road in the Future.	Mecklenburg		08, 10

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	Further Discussion (Nov. 6 Staff Meeting)												
EXISTING P3.0 HIGHWAY PROJECTS													
SPOTID	P2.0 SPOTID	Project Category	Improvement Type	Specific Improvement	TIP #	Route Number	Route Name	From/Cross Street	To	Description	First County	Second County	Funding Region
H111280	1280	Statewide Mobility	Capacity	Widen Existing Roadway		NC 49		John Kirk Rd	I-485	Widen Roadway to 6 Lanes with Median, Bike Lanes and Sidewalks. The intersection with Mallard Creek Church Rd will Be Reconstructed and Lowered Approximately 10' in Order to Accommodate Clearance For Road Extension Under Railroad. This Will Necessitate Reconstruction of Approximately 1700' of Existing NC 49 and 1000' of Existing SR 2833.	Mecklenburg		08, 10
H111324	1324	Regional Impact	Modernization	Modernize Roadway		NC 115		Ramah Church Road	Bailey Road	Construct Bicycle Lanes	Mecklenburg		08, 10
H111325	1325	Regional Impact	Modernization	Modernize Roadway		NC 115		Bailey Road	Bridges Farm Road (Iredell County Line)	Construct Bicycle Lanes	Mecklenburg		08, 10
H111326	1326	Regional Impact	Modernization	Modernize Roadway		SR 2151	Jetton Rd, W Catawba Av, Nantz Rd & NC 73	Blythe Landing	Ramsey Creek and Jetton Parks	Construct Bicycle Lanes on Jetton Road, W. Catawba Avenue, Nantz Road & NC 73 Bike Lanes from Blythe Landing to Ramsey Creek and Jetton Parks.	Mecklenburg		08, 10
H111327	1327	Division Needs	Modernization	Modernize Roadway		SR 2426	Old Concord Road	Mallard Creek Church Road	Newell-Hickory Grove Road	Construct Bicycle Lanes	Mecklenburg		08, 10
H111328	1328	Division Needs	Modernization	Modernize Roadway		SR 2833	Mallard Creek Church Road	Prosperity Church Road	Old Concord Road	Construct Bicycle Lanes	Mecklenburg		08, 10
H111329	1329	Division Needs	Modernization	Modernize Roadway			Plott Road / Highland Ave	SR 2803 (Plaza Road Extension)	Hickory Grove Road	Construct Bicycle Lanes	Mecklenburg		08, 10
H111330	1330	Division Needs	Modernization	Modernize Roadway		SR 2480	Sugar Creek Road	N Tryon Street	I-85	Construct Bicycle Lanes	Mecklenburg		08, 10
H111331	1331	Regional Impact	Modernization	Modernize Roadway		NC 115		Wt Harris Boulevard	Eastfield Road	Construct Bicycle Lanes	Mecklenburg		08, 10
H111332	1332	Regional Impact	Modernization	Modernize Roadway		NC 115		Hambright Road	Mt Holly-Huntersville Rd	Construct Bicycle Lanes	Mecklenburg		08, 10
H128073	8073	Statewide Mobility	Capacity	Widen Existing Roadway	I-5507	I-485		I-77	US 74 (independence Boulevard)	Construct one Express toll Lane in Each Direction within the Existing Median	Mecklenburg		08, 10
H129013	9013	Statewide Mobility	Capacity	Widen Existing Roadway	U-3850	I-277	John Belk Freeway	I-77		Add Westbound Lane Through I-77 interchange	Mecklenburg		08, 10
H129650-EC	9650	Division Needs - correct category? (not consistent with the way H111214 is categorized)	Interchange/ Intersection	Convert Grade Separation to Interchange	R-211 EC	I-485	Charlotte Outer Loop	New interchange at Weddington Road		Convert Grade Separation to interchange	Mecklenburg		08, 10
H129680	9680	Statewide Mobility	Capacity	Construct Roadway on New Location		US 74	New Route - Monroe Bypass	I-485	US 74 East of Monrore	Construct Four Lane Freeway on New Location	Union		08, 10
H129682	9682	Division Needs	Capacity	Widen Existing Roadway		SR 3448	South Trade Street	Fullwood Lane	Weddington Road	Widen to Multilanes with Bike Lanes and Sidewalks	Mecklenburg		08, 10

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**PROPOSED P3.0 HIGHWAY PROJECTS TO BE ADDED**

SPOT ID (TBD)	2040 MTP ID	Project Category	Improvement Type	Specific Improvement	Route Number	Route Name	From/Cross Street	To	Description	First County	Funding Region
1	71	Regional Impact	Capacity	Widen Existing Roadway	NC 115	Old Statesville Rd	Washam Potts Rd (SR 2600)	Sam Furr Rd (NC 73)	Widen from 2 lanes to 4 lanes, with 10 ft. multi-use path	Mecklenburg	08, 10
2	81	Regional Impact	Capacity	Widen Existing Roadway	NC 73	Sam Furr Rd	West Catawba Ave (SR 5544)	Northcross Dr (SR 2316)	Widen from 4 lanes to 6 lanes, with median, wide outside lanes and sidewalks	Mecklenburg	08, 10
3	96	Regional Impact	Capacity	Widen Existing Roadway	NC 73	NC 73	Vance Rd Ext	West Catawba Ave (SR 5544)	Widen from 2 lanes to 4 lanes, with median, wide outside lanes and sidewalks	Mecklenburg	08, 10
4	97	Statewide Mobility	Interchange/ Intersection	Improve Existing Interchange	I-77	I-77/Gilead Rd			Grade separation, interchange improvements to include bike lanes and sidewalks	Mecklenburg	08, 10
5	113	Regional Impact	Capacity	Widen Existing Roadway	NC 16	Brookshire Blvd	Idaho Dr	I-85	Widen from 4 lanes to 6 lanes	Mecklenburg	08, 10
6	129	Regional Impact	Capacity	Widen Existing Roadway	NC 24	Harris Blvd	Reames Rd	I-485	Widen from 4 lanes to 6 lanes, with median, bike lanes and sidewalks	Mecklenburg	08, 10
7	132	Statewide Mobility	Interchange/ Intersection	Improve Existing Interchange	I-77	I-277 (Belk Frwy)/I-77			Interchange improvements and grade separation to improve operation	Mecklenburg	08, 10
8	135	Statewide Mobility	Interchange/ Intersection	Improve Existing Interchange	I-77	I-277 (Brookshire Frwy)/I-77			Interchange improvements and grade separation to improve operation	Mecklenburg	08, 10
9	136	Statewide Mobility	Conversion to HOT Lanes	Widen Existing Roadway (HOT)	US 74	Independence Blvd	Sharon Amity Rd	I-277 (Brookshire Fwy)	Convert bus lanes to managed lanes	Mecklenburg	08, 10
10	143	Statewide Mobility	Capacity	Widen Existing Roadway	I-77	I-77	I-277 (Belk Frwy) (Exit 9)	I-277 (Brookshire Fwy) (Exit 11)	Widen from 8 lanes to 10/12 lanes, median and interchange improvements, and grade separation to improve operations	Mecklenburg	08, 10
11	144*	Statewide Mobility	Capacity (HOT)	Widen Existing Roadway (HOT)	I-77	I-77	I-485 (Exit 1)	Woodlawn Rd (Exit 6)	Widen from 6 lanes to 10 lanes, with median improvements	Mecklenburg	08, 10
12	145	Statewide Mobility	Capacity (HOT)	Widen Existing Roadway (HOT)	I-77	I-77	Woodlawn Rd (Exit 6)	I-277 (Belk Fwy) (Exit 9)	Widen from 6 lanes to 10 lanes, with median improvements	Mecklenburg	08, 10
13	161	Division Needs	Capacity	Construct Roadway on New Location		North Univ. Research Park Bridge	Louis Rose Pl	Doug Mayes Pl	New 2 lane roadway, with bike lanes and sidewalks	Mecklenburg	08, 10
14	165	Regional Impact	Capacity	Widen Existing Roadway	NC 115	Old Statesville Rd	Harris Blvd	I-485	Widen from 2 lanes to 4 lanes, with bike lanes and sidewalks	Mecklenburg	08, 10
15	170	Regional Impact	Capacity	Widen Existing Roadway	NC 49	South Tryon St	I-77	Yorkmont Rd	Widen from 4 lanes to 6 lanes, with bike lanes and sidewalks	Mecklenburg	08, 10
16	175	Statewide Mobility	Capacity	Widen Existing Roadway	NC 49	University City Blvd	John Kirk Dr	I-485	Widen from 4 lanes to 6 lanes, with bike lanes and sidewalks	Mecklenburg	08, 10
17	198	Regional Impact	Capacity	Widen Existing Roadway	NC 51	Matthews Township Pkwy	Sardis Rd	Monroe Rd/E John St	Widen from 4 lanes to 6 lanes, with median and multi-use path	Mecklenburg	08, 10
18	228	Division Needs	Capacity	Widen Existing Roadway	SR 1009	Old Monroe Rd	I-485	Waxhaw-Indian Trail Rd (SR 1008)	Widen from 2 lanes to 4 lanes, with median, bike lanes and sidewalks	Union	08, 10
19	249	Regional Impact	Capacity	Widen Existing Roadway	NC 16	Providence Rd S	Rea Rd Ext	Cuthbertson Rd	Widen from 2 lanes to 4 lanes, with median, wide outside lanes and sidewalks	Union	08, 10

**PROPOSED P3.0 HIGHWAY PROJECTS TO BE ADDED**

SPOT ID (TBD)	2040 MTP ID	Project Category	Improvement Type	Specific Improvement	Route Number	Route Name	From/Cross Street	To	Description	First County	Funding Region
20	261	Division Needs	Capacity	Widen Existing Roadway	SR 1009	Charlotte Ave	Seymour St	Dickerson Blvd (NC 200)	Widen from 2 lanes to 4 lanes, with median, bike lanes and sidewalks	Union	08, 10
21	34	Division Needs	Capacity	Construct Roadway on New Location		Cornelius Rd/Mazeppa Rd	NC 115	US 21	New 4 lane roadway, with median, bike lanes and sidewalks	Iredell	11, 12
22	45	Regional Impact	Capacity	Widen Existing Roadway	NC 150	Plaza Dr	I-77 (Exit 36)	US 21	Widen from 4 lanes to 6 lanes, with median, wide outside lanes and sidewalks	Iredell	11, 12
23	50	Division Needs	Interchange/ Intersection	Construct Roadway on New Location including New Grade Separation		Midnight Ln/Oates Rd			New 3 lane roadway, including grade separation over I-77, with bike lanes and sidewalks	Iredell	11, 12

*\*This project was broken into 2 segments, both of which scored very well in the MTP evaluation process. Due to restrictions in the STI this segment was moved to the 2030 Horizon Year of the 2040 MTP, but is still recommended for inclusion in the P3.0 highway project database.*