

GASTON-CLEVELAND-LINCOLN Metropolitan Planning Organization

MPO Board

Agenda Packet

Thursday, May 25, 2017

6:30 pm

Gastonia Police Department—Community Room
200 Long Avenue, Gastonia, NC

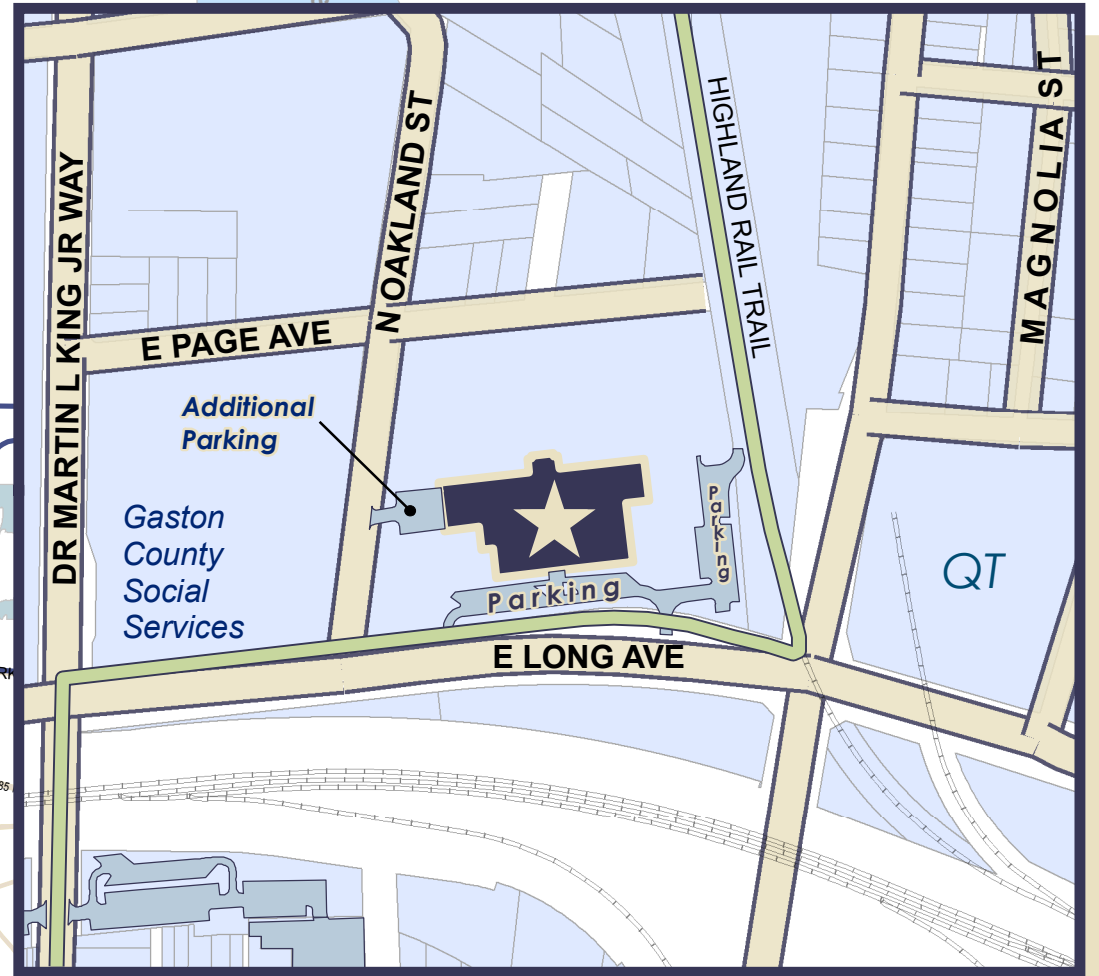


1. Set Agenda
2. Determination of Quorum and Good Standing
3. Approval of March 23, 2017 Minutes
4. Introduction of Members and Guests
5. Public Comment
6. Consent Agenda - 2016-2025 MTIP Additions
7. MPO Board Bylaws Amendment
8. FY 2017-2018 Unified Planning Work Program (UPWP)
9. 2017 Project Schedule Coordination
10. Draft 2018-2027 TIP
11. 2045 Metropolitan Transportation Plan (MTP) Update
12. Catawba Crossings Resolution of Support
13. Other Business
 - a) MPO Planning Rule Repealed
 - b) April 2017 Public Comment Period Summary
 - c) NCDOT Update—Division 12 Staff and TPB MPO Coordinator
 - d) Transit Systems Ridership Update

MPO Board Members:

City of Belmont, City of Bessemer City, Town of Boiling Springs, City of Cherryville, Town of Cramerton, Town of Dallas, City of Gastonia (2), City of Kings Mountain, City of Lincolnton, City of Lowell, City of Mount Holly, Town of Randle, City of Shelby, Town of Stanley, Cleveland County, Gaston County, Lincoln County, NCDOT Board of Transportation

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GASTON-CLEVELAND-LINCOLN



Metropolitan Planning Organization

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Post Office Box 1748
Gastonia, North Carolina 28053
Phone (704) 866-6837

150 South York Street
Gastonia, North Carolina 28052
Fax (704) 869-1960

AGENDA

The **MPO Board** of the Gaston-Cleveland-Lincoln Metropolitan Planning Organization (MPO) will meet **Thursday, May 25, 2017** in the Gastonia Police Department Community Room. The Police Department is located at 200 Long Avenue in Gastonia, NC. Dinner will be served at 5:45 PM and the meeting will begin at 6:30 PM. The following is the agenda for the meeting:

1. **Set Agenda**

Presenter: Todd Pierceall, MPO Board Chair

The agenda needs to be set to include adding "New" or "Other Business."

2. **Determination of Quorum and Good Standing**

Presenter: Todd Pierceall, MPO Board Chair

The bylaws for the MPO require a quorum of 50% of voting members. This requires attendance of at least nine (9) of the following members:

<input type="checkbox"/> City of Belmont	<input type="checkbox"/> City of Lincolnton
<input checked="" type="checkbox"/> City of Bessemer City	<input type="checkbox"/> City of Lowell
<input type="checkbox"/> Town of Boiling Springs	<input type="checkbox"/> City of Mount Holly
<input type="checkbox"/> City of Cherryville	<input type="checkbox"/> Town of Randle
<input type="checkbox"/> Town of Cramerton	<input type="checkbox"/> City of Shelby
<input type="checkbox"/> Town of Dallas	<input type="checkbox"/> Town of Stanley
<input type="checkbox"/> City of Gastonia (1/2)	<input type="checkbox"/> County of Cleveland
<input type="checkbox"/> City of Gastonia (2/2)	<input type="checkbox"/> County of Gaston
<input type="checkbox"/> City of Kings Mountain	<input type="checkbox"/> County of Lincoln

***Not in Good Standing (Missed three or more consecutive meetings)**

According to the MPO Board Bylaws, the NC Board of Transportation member is the only voting member that does not count towards the quorum.

☒ NC Board of Transportation*

3. **Approval of Minutes**

Presenter: Todd Pierceall, MPO Board Chair

Review and adopt the minutes from the regularly scheduled meeting of March 23, 2017.

ACTION REQUESTED: Approve as presented.

4. **Introduction of Members & Guests**

Presenter: Todd Pierceall, MPO Board Chair

All guests shall introduce themselves at this time.

5. **Public Comment**

Presenter: Todd Pierceall, MPO Board Chair

Any public comment will be presented and addressed at this time. Each person desiring to speak shall fill out a form prior to the beginning of the MPO meeting. Each person has three (3) minutes to speak.

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150 South York Street
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CONSENT AGENDA

6. 2016-2025 MTIP Additions

Formal/Major Amendment

STIP #	County	Route	Project Description	Addition
R-5849	Cleveland	Washburn Switch Rd	Construct improvements to Washburn Switch Rd and a new 3-lane road off Washburn Switch Rd for access to new industrial sites. This project is at the request of the Division.	Construction FY 2018 - <u>\$1,875,000 (T)</u> \$1,875,000

Minor/Administrative Amendment

M-0521	Statewide		Transportation Planning Branch, Traffic Forecasting for Miscellaneous Projects. Project added to expedite delivery of STIP projects.	Engineering FY 2017 - \$300,000 (T) FY 2018 - <u>\$300,000 (T)</u> \$600,000
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ACTION REQUESTED: Approve as presented. *More information can be found on pages 15-20.

REGULAR AGENDA

7. MPO Board Bylaws Amendment

Presenter: Hank Graham, Principal Transportation Planner

The Board will review an amendment to its Bylaws that creates geographic rotational Term Limits for officers.

ACTION REQUESTED: Review, discuss, and approve as presented

8. FY 2017 – 2018 Unified Planning Work Program (UPWP)

Presenter: Hank Graham, Principal Transportation Planner

The MPO is required to approve the final version of a unified planning work program and budget which identifies tasks and expenses for the upcoming fiscal year.

ACTION REQUESTED: Approve as presented

9. 2017 Project Schedule Coordination

Presenter: Randi Gates, Senior Transportation Planner

Due to the update to the MTP, 2018-2027 TIP, and P5.0 processes occurring concurrently, GCLMPO staff has developed a coordinated schedule to better lay out these processes so that both TCC and MPO Board Members can be advised of future required actions.

ACTION REQUESTED: For information only

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10. Draft 2018-2027 TIP

Presenter: Randi Gates, Senior Transportation Planner

In order for the Draft 2018-2027 TIP to be adopted in August 2017, amendments to the 2040 MTP are required, as well as an air quality conformity determination.

ACTIONS REQUESTED:

1. Approve the Draft 2018-2027 TIP, 2040 MTP Amendments, and an air quality conformity determination for public comment
2. Approve a 30-day public comment period (June 19 – July 19, 2017)

11. 2045 Metropolitan Transportation Plan (MTP) Update

Presenter: Randi Gates, Senior Transportation Planner

The MPO is required to update its long-range transportation plan, known as the Metropolitan Transportation Plan (MTP), by May 2018. This MTP will replace the existing plan that was adopted in March 2014. To keep with the approved schedule, the Goals, Objectives, and Policies need to be approved, along with ranking methodologies for all modes.

ACTIONS REQUESTED:

1. Approve the 2045 MTP Goals, Objectives, and Policies
2. Approve the 2045 MTP Project Solicitation and Ranking Process

12. Catawba Crossings Resolution of Support

Presenter: Hank Graham, Principal Transportation Planner

The Catawba Crossings project is a major project in the Charlotte Metropolitan Region and should be appropriately ranked and prioritized as a Regional Tier project in P5.0. The STI Law mandates that the project have an assigned US Route or NC Route number to be ranked and prioritized as a Regional Tier project.

ACTION REQUESTED: Discuss and approve a Resolution of Support for the Designation of Catawba Crossings as an Existing NC Route

13. Other Business

- a. MPO Planning Rule Repealed
- b. April 2017 Public Comment Period Summary
- c. NCDOT Update – Division 12 Staff and TPB MPO Coordinator
- d. Transit Systems Ridership Update

14. Adjournment

If you have any additional items or questions regarding this agenda, please call Hank Graham at 704-854-6663, Randi Gates at 704-854-6604, or Julio Paredes at 704-866-6980. You can also e-mail us at hankg@cityofgastonia.com, randig@cityofgastonia.com, or juliop@cityofgastonia.com respectively.

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MEETING MINUTES
Gaston-Cleveland-Lincoln
Metropolitan Planning Organization (GCLMPO) Board
March 23, 2017

The scheduled Board meeting of the Gaston-Cleveland-Lincoln Metropolitan Planning Organization was held on Thursday, March 23, 2017 from 6:33 pm – 8:31 pm at the Gastonia Police Department (Community Room) located at 200 Long Avenue in Gastonia, North Carolina.

Members Present

Henry L Beam III	City of Cherryville, Mayor
Jerry Bishop	City of Mount. Holly, Council Member
Robin Conner	Town of Ranlo, Commissioner
Martin Eaddy	City of Lincolnton, Council Member
Kevin Ervin	City of Lowell, Council Member
Cliff Hamrick	Town of Boiling Springs, Commissioner
David Humphries	City of Gastonia, Council Member
Johnny Hutchins	Cleveland County, Commissioner
Anita McCall	Lincoln County, Commissioner
Keith Miller	City of Kings Mountain, Council Member
Scott Neisler	City of Kings Mountain, Mayor
Todd Pierceall	City of Gastonia, Mayor Pro Tem, MPO Chair
John Pope	NCDOT, Division 12 Board Member
Jill Puett	City of Cherryville, Council Member
Becky Smith	City of Bessemer, Mayor
Richard Turner	City of Belmont, Council Member
Ken Ervin	City of Lowell, Commissioner

Staff Present

Randi Gates	GCLMPO, Senior Transportation Planner
Hank Graham	GCLMPO, Principal Transportation Planner
Julio Paredes	GCLMPO, Transportation Planner

Guests Present

Andy Bailey	NCDOT (Transportation Planning Branch), GCLMPO – Coordinator
Loretta Barren	Federal Highway Administration (FHWA), Transportation Planner
Brian Dupont	City of Mount Holly, Planner
Chris Martin	Cleveland County Planning, Senior Planner
Michelle Nance	Centralina Council of Governments, Planning Director
Clarence Ponder	Walmart, General Manager
Anil Panicker	NCDOT (Div. 12), Planning Engineer
Brian Dupont	City of Mount Holly, Planner
Walt Scharer	City of Shelby, Planning Director
Mark Stafford	NCDOT (Div. 12), Division Engineer
James Walker	Charlotte Citizen, Former Gaston County Citizen, Attorney
John Pope	NCDOT Board Member (Div. 12)

Absences (x = Absent) / Not In Good Standing

Member	Feb 2016	Mar	May	Jul	Sep	Dec	Feb 2017	Mar
City of Belmont	-----	-----	-----	-----	-----	-----	-----	-----
City of Bessemer City	x	-----	-----	-----	x	x	x	-----
Town of Boiling Springs	-----	x	-----	x	-----	-----	x	-----
City of Cherryville	-----	-----	-----	-----	-----	-----	-----	-----
Town of Cramerton	-----	-----	-----	-----	x	-----	-----	x
Town of Dallas	x	-----	x	-----	-----	x	-----	x
City of Gastonia (1/2)	-----	-----	-----	-----	-----	-----	-----	-----
City of Gastonia (2/2)	-----	-----	-----	-----	-----	-----	-----	-----
City of Kings Mountain	-----	-----	x	-----	-----	-----	-----	-----
City of Lincolnton	x	-----	-----	-----	-----	-----	x	-----
City of Lowell	-----	-----	-----	-----	-----	-----	-----	-----
City of Mount Holly	-----	-----	-----	-----	-----	-----	-----	-----
Town of Randle	x	x	-----	x	-----	-----	-----	-----
City of Shelby	-----	-----	-----	-----	-----	-----	-----	x
Town of Stanley	-----	x	x	-----	-----	-----	-----	x
Cleveland County	-----	-----	-----	-----	-----	-----	-----	-----
Gaston County	-----	-----	x	x	-----	-----	-----	x
Lincoln County	-----	-----	x	-----	-----	-----	-----	-----
NCDOT – Board of Transportation	x	x	-----	x	x	x	x	-----

1. Set Agenda**Presenter: Todd Pierceall, MPO Board Chair**

The agenda needs to be set to include adding item "E" to "new" or "Other Business" for discussion Regarding additional amendments to the bylaws.

Mr. Humphries motioned to accept the Agenda with the addition Mr. Beam seconded and the motion was passed unanimously.

2. Determination of Quorum and Good Standing**Presenter: Todd Pierceall, MPO Board Chair**

Ms. Gates verified that a quorum had been met.

3. Approval of Minutes**Presenter: Todd Pierceall, MPO Board Chair**

Mr. Pierceall opened for a motion to approve the February 23, 2017 meeting minutes as presented.

There were no changes to the minutes and they were approved as presented.

4. Introduction of Members & Guests**Presenter: Todd Pierceall, MPO Board Chair**

Mr. Pierceall noted that there were some new members of the Board Present and asked everyone to introduce themselves.

5. Public Comment**Presenter: Todd Pierceall, MPO Board Chair**

Mr. Pierceall opened the floor to public comments and the following comments were received:

Mr. Walker thanked the Board for their support of the I-85 widening project. Mr. Walker also thanked Mr. John Pope from The NCDOT Board of Transportation for coming to the meeting.

CONSENT AGENDA

6. 2016-2025 MTIP Additions/Modifications

Presenter: Randi Gates, Senior Transportation Planner

Ms. Gates presented the STIP amendments for the GCLMPO area that were approved by the NCDOT Board of Transportation (BOT) at its January, February, and March meetings. She explained that when the STIP is amended, the MPO must update the MTIP so that it is consistent with the STIP.

Mr. Turner asked about the timeline for the adaptive signalization project along Wilkinson Boulevard and will it mirror the accelerated phase of the I-85 widening. Ms. Gates responded by mentioning that according to the STIP, the adaptive signalization is currently scheduled after the widening.

Mr. Turner motioned for a resolution expressing the desire of the MPO board and the communities to expedite project U-6038 ahead of the widening of I-85 as much as is feasible. Mr. Hutchins seconded the motion and the motion passed unanimously.

Mr. Humphries motioned to approve the consent agenda as presented. Mr. Beam seconded the motion and the motion passed unanimously.

REGULAR AGENDA

7. FY 2017-2018 UPWP Draft

Presenter: Hank Graham, Principal Transportation Planner

Mr. Graham explained that the total proposed UPWP budget is \$617,444.00 and is comprised of \$414,694.00 in Transportation Planning (PL) grant funds, \$93,750.00 in State Planning and Research (SPR) funds, and \$39,000.00 in Transit Planning (Section 5303) grant funds. The GCLMPO member governments will be responsible for providing 20% local match for PL funds and SPR funds, and Gastonia will be responsible for the 20% match for 5303 transit planning grant funds.

Mr. Graham pointed out Table 3, which lists Special Study projects that have been submitted to MPO staff for funding. These projects were submitted last year, but due to decreased funding levels, the GCLMPO needed to hold these until additional fund became available.

Mr. Graham noted that all of the MPOs across the state met to discuss giving excess funding from some MPOs that don't spend their annual allocation to those that need more funding. Excess funding currently equals \$1.5 million. Currently there is no methodology or formula to disperse these funds, but Mr. Graham feels that if these projects are include in our draft UPWP, we will have a better chance in getting some of this excess funding.

Mr. Graham called attention to the Local Match Shares, which can be found on page 31 of the agenda packet. He noted that the match for the Special Projects would only be paid by the community awarded funding. Mr. Graham stated that he would change the overall UPWP to include these Special Studies, and would amend the Local Match Shares to reflect the local matches for the Special Studies.

Mr. Turner motioned to approve of the FY 2017-2018 UPWP Draft as presented. Mr. Hutchins seconded the motion and the motion passed unanimously.

Mr. Graham noted that the Draft UPWP does need to be released for public comment during the month of April this is a federal requirement.

Mr. Eaddy motioned to approve the release of the FY 2017-2018 UPWP Draft for public comment in April. Mr. Neisler seconded the motion and the motion passed unanimously.

8. MPO Board Bylaws Amendment

Presenter: Julio Paredes, Transportation Planner

Mr. Pierceall requested a modification to the bylaws to explain how a chair pro tem will be selected to precede over a board meeting in the absence of both Chair and Vice-Chair.

The amendment reads,

ARTICLE IV: OFFICERS

Section 2 – Duties:

The Secretary will be the recording officer and custodian of the MPO Board and its sub-committees' records. The Secretary shall provide staff services for the committee, as needed and will maintain a current copy of the Bylaws as an addendum to the *Memorandum of Understanding* to be distributed to the public on request. The Secretary shall maintain an accurate record of the membership of the MPO Board and its sub-committees, will send out the notice of all meetings, and conduct the general correspondence of the MPO Board. In the absence of the Chair ~~or and the Vice-Chair, the Secretary shall call the meeting to order and preside until the immediate election of a Chair pro tem. the Chair will appoint a Board member as Chair pro-tem.~~

Mr. Neisler motioned to approve the amendment to the Bylaws as presented. Mr. Beam seconded the motion and the motion passed unanimously.

9. Greater Charlotte Regional Freight Mobility Plan

Presenter: Michelle Nance, Planning Director, Centralina Council of Governments

Ms. Nance introduced Mr. Clarence Ponder, General Transportation Manager for the Walmart distribution center in Shelby and a member of the CCOG Freight Advisory Committee. He shared his experience with the CCOG Freight Advisory Committee.

Ms. Nance stated that there are three main things to take away from this presentation: 1) a lot of regional coordination went into this plan, 2) this plan includes not only transportation, but also economic development and land use, and 3) there is a lot of private sector interest in freight in our region, and the private sector participated in this planning process.

Ms. Nance explained that freight is the economy in motion and includes not only trucks, but also ships, rail, and aviation. She noted that the biggest takeaway for MPOs from this planning process is a standalone freight chapter for the GCLMPO to be included in the 2045 MTP.

Ms. Nance detailed that the freight plan development process included a lot of data and analysis, as well as stakeholder outreach, and end products including: Vision, Goals & Objectives, Performance Measures, Recommendations of Best Practices, and an Implementation Plan. Ms. Nance also described next steps, which includes presentations to all the MPO's TCCs and Boards, area-wide meetings in April/May geared toward land use planners and economic development staff, and a regional freight meeting to bring everyone that participated in the plan back together. There will also be a public service announcement produced to get this information out to the general public. CCOG will also look at Traffic Incident Management and Intelligent Transportation Systems at the June meeting.

Ms. Nance noted that the GCLMPO has provide the Executive Summary to MPO Board members at the beginning of the meeting. NCDOT is helping do a PSA about the importance of freight.

10. 2045 MTP Development Process Update

Presenter: Randi Gates, Senior Transportation Planner

Ms. Gates presented the Draft Goals, Objectives, & Policies for the 2045 MTP update. These were drafted by utilizing the Goals, Objectives, & Policies from the current 2040 MTP, and were edited by the Bicycle and Pedestrian Advisory Committee (BPAC), MTP Subcommittee, and FHWA staff.

Ms. Gates also explained upcoming activities for the 2045 MTP Update, which includes opening a

public comment period and project solicitation in April.

Mr. Humphries motioned to approve the Draft Goals, Objectives, & Policies as presented. Mr. Eaddy seconded the motion and the motion passed unanimously.

Mr. Turner motioned to approve the public comment period (April 1-30, 2017) for the Draft Goals, Objectives, & Policies, as well as a general project solicitation. Ms. McCall seconded the motion and the motion passed unanimously.

11. Other Business

a. 2017 NCAMPO Conference

Mr. Graham noted that the statewide 2017 NCAMPO Conference will be held April 26-28 in New Bern, NC.

b. CommunityViz Training

Mr. Paredes noted that the CommunityViz training will be held April 3-5 in Gastonia. The fee is \$100 and is a great opportunity to learn about the software and how it can be useful. Mr. Paredes asked that anyone interested contact him to reserve a seat.

c. NCDOT Update

Mr. Panicker noted the following public meetings that have taken place:

- Wesleyan Road Bridge Replacement - March 14th – 6:30-8:30pm (McAdenville Town Hall)
- NC 16 BUS/Pilot Knob Rd Intersection Improvements – March 16th – 5:00-7:00 pm (East Lincoln Community Center)

Mr. Panicker also had the following project updates/new meetings:

- DRAFT STIP Public Meeting for Division 11 and 12 will be held on April 20th in Hickory
- Public Meeting for a proposed runabout at NC 190 and Joe's Lake will be held March 30th from 5pm to 7pm in Shelby.

Mr. Andy Bailey reported that The Comprehensive Transportation Maps have been approved by the Board of Transportation at their March 9th meeting.

d. Transit System Ridership

Reports were provided as information. Mr. Pierceall stated for all to review the information in the agenda packet.

Other business discussions ensued regarding additional amendments to MPO Board Bylaws. Mr. Johnny Hutchins mentioned that he would like the Board to consider establishing term limits and appointing officers around the 3 counties.

Mr. Martin Eaddy introduced a discussion about an interchange improvement project at Generals Boulevard in Lincolnton. Mr. Eaddy express his concerns about NCDOT comments on the project's costs. Mark Stafford, Division 12 Engineer responded to Mr. Eaddy concerns.

Mr. Keith Miller had a question about costs of the 85x bus service. Mr. Graham answered Mr. Miller's question.

Mr. Todd Pierceall, MPO Chair had a discussion about getting name tags for staff and board members. Staff will look into ordering name tags.

12. Adjournment

Mr. Pierceall adjourned the meeting at 8:31 pm.

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Post Office Box 1748
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150 South York Street
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CONSENT AGENDA

Agenda Item #6

To: Board Members and Interested Persons
From: GCLMPO Staff
Date: May 25, 2017
Subject: 2016-2025 STIP/MTIP Additions

BACKGROUND:

Formal/Major Amendment

STIP #	County	Route	Project Description	Addition
R-5849	Cleveland	Washburn Switch Rd	Construct improvements to Washburn Switch Rd and a new 3-lane road off Washburn Switch Rd for access to new industrial sites. This project is at the request of the Division.	Construction FY 2018 - <u>\$1,875,000 (T)</u> \$1,875,000

Minor/Administrative Amendment

M-0521	Statewide		Transportation Planning Branch, Traffic Forecasting for Miscellaneous Projects. Project added to expedite delivery of STIP projects.	Engineering FY 2017 - \$300,000 (T) FY 2018 - <u>\$300,000 (T)</u> \$600,000
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The Public Participation Process for the GCLMPO states that formal/major amendments are required when changes cause the addition or deletion of a transportation project for a CTP, MTIP, or STIP. Formal/major amendments require documentation of a 30-day public review and comment opportunity, and a public meeting.

ICC ACTION: Recommended approval

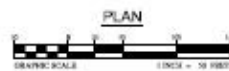
ACTIONS REQUESTED:

1. Recommend approval of 2016-2025 STIP/MTIP Amendments for public comment
2. Recommend approval of 30-day public comment period for R-5849 (June 19 – July 19)

ATTACHMENTS:

1. R-5849 Project Maps

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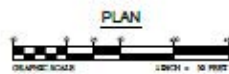
NOTE: LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE ONLY.
EXACT LOCATIONS ARE TO BE VERIFIED BY THE FIELD BY THE CONSTRUCTOR.

NO.	DATE	BY	SECTION DESCRIPTION



NOTE: LOCATIONS OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE ONLY. EXACT LOCATIONS ARE TO BE DETERMINED BY THE CONTRACTOR.

NO.	DATE	BY	REVISION/DESCRIPTION



PRELIMINARY
NOT FOR
CONSTRUCTION

NO.	DATE	BY	REVISION DESCRIPTION



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REGULAR AGENDA

Agenda Item #7

To: Board Members and Interested Persons
From: James H. Graham, Jr., AICP, Principal Transportation Planner
Date: May 25, 2017
Subject: MPO Board Bylaws Amendment

BACKGROUND:

GCLMPO staff was asked by the Board to provide an amendment to the current Bylaws that would establish term limits for Board officers while at the same time providing a geographic rotation of officers between the three counties.

ACTION REQUESTED: Review, discuss, and approve as presented

ATTACHMENTS: GCLMPO Bylaws Amendment

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ARTICLE IV: OFFICERS

Section 1 - Officers Defined:

The officers of the MPO Board shall consist of Chair and Vice-Chair. The MPO Coordinating Planner in the Lead Planning Agency (LPA), or their appointee, shall serve as Secretary to the MPO Board. Alternates of voting member representatives and non-voting members shall not be elected as an officer.

Section 2 - Duties:

The Chair is the principal representative of the Gaston - Cleveland - Lincoln MPO concerning Federal, State and local transportation matters. In addition, the Chair's duties include:

- calling and presiding at meetings,
- setting public hearing or meeting dates,
- appointing sub-committees and acting as an ex-officio member of the appointed sub- committees,
- setting the order of business for each meeting,
- approving minor budget amendments of the Unified Planning Work Program (UPWP) that will not change the scope of the UPWP and do not exceed 5% of the total local area budget for the UPWP, and
- authenticating by signature the official documents of the MPO Board.

In the absence of the Chair, the Vice-Chair shall preside. In the event that the Chair is unable to carry out his or her duties for the remainder of their term, the Vice-Chair shall carry out the functions of the Chair for the remainder of the year. The representatives from Gastonia shall not serve as Chair and Vice-Chair of the MPO Board during the same term of office.

Section 3 - Elections:

Officers shall be elected annually from the members of the MPO Board at the first regular meeting of the calendar year. This should be the first agenda item, after which the newly elected Chair and Vice-Chair shall take office.

A nominating committee may be created to prepare a slate of officers. The current Technical Coordinating Committee (hereafter referred to as TCC) Chair and MPO Board Secretary shall be responsible for working with the MPO Board Chair in the creation of the nominating committee. The nominating committee should be prepared to present the proposed candidates by the first meeting of the calendar year.

Section 4 - Terms of Office:

The Chair and Vice-Chair term of office shall be one year with successive terms permitted. When the Chair is elected from a member local government from either Cleveland, Gaston or Lincoln counties, the Vice Chair shall be elected from a member local government from one of the other two counties. The Officers shall hold office no more than two consecutive Terms.~~until the election of a successor or such time as they vacate their MPO Board associated position.~~ Upon completion of two consecutive terms, a new Chair shall be elected from one of the other two counties.

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Agenda Item #8

To: Board Members and Interested Persons
From: James H. Graham, Jr., AICP, Principal Transportation Planner
Date: May 25, 2017
Subject: FY 2017-2018 Unified Planning Work Program (UPWP)

BACKGROUND: The proposed FY 2017-2018 GCLMPO UPWP outlines MPO work to be completed by task code category. It also includes the dollar amount budgeted for each task code for the year and the funding source for these tasks by agency.

The total proposed UPWP budget is \$500,999.00 and is comprised of \$414,694.00 in Transportation Planning (PL) grant funds, \$93,750.00 in State Planning and Research (SPR) funds, and \$39,000.00 in Transit Planning (Section 5303) grant funds. The MPO member governments will be responsible for providing 20% local match for PL funds and SPR funds, and Gastonia will be responsible for the 20% match for 5303 transit planning grant funds. The invoices for local match will continue to be sent out quarterly. Please note these totals may change, as the FHWA and FTA have not yet provided official allocations for FY 17-18.

Special Studies funded by PL grant funds will not be subject to the overall local match cost sharing calculations and are funded by the affected jurisdictions only. There will be funds for special studies, totaling \$40,000.00.

The proposed budget and local match calculations reflect proportional local match plus any additional match due to the use of special studies or 5303 transit planning funds. New cost share allocation tables are attached.

As required by the GCLMPO's Public Participation Process, the Draft FY 2017-2018 UPWP approved by the Board on March 23, 2017 was released for public comment from April 1 – April 30, 2017. Staff conducted three public workshop opportunities for the general public to review and comment on the Draft UPWP. No comments were provided.

TCC ACTION: Recommended approval

ACTION REQUESTED: Approve as presented

ATTACHMENTS:

1. FY 2017-2018 UPWP Narrative
2. UPWP Tables

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**GASTON-CLEVELAND-LINCOLN
METROPOLITAN PLANNING ORGANIZATION
UNIFIED PLANNING WORK PROGRAM
FISCAL YEAR 2017-2018**

GASTON-CLEVELAND-LINCOLN



Metropolitan Planning Organization

FINAL

May 25, 2017

Prepared for:

City of Gastonia, NC
Gaston-Cleveland-Lincoln MPO Board
Federal Transit Administration
Federal Highway Administration, and
North Carolina Department of Transportation

**UNIFIED PLANNING WORK PROGRAM
PROGRAM DESCRIPTION FOR FY 2017-2018
GASTON-CLEVELAND-LINCOLN METROPOLITAN PLANNING ORGANIZATION**

JULY 1, 2017 -JUNE 30, 2018

DESIGNATED RECIPIENT: CITY OF GASTONIA, NC (LEAD PLANNING AGENCY)

The Unified Planning Work Program (UPWP) is the instrument by which the Urban Area describes to the federal and state grant agencies how it plans to carry out the federally mandated “continuing, cooperative and comprehensive” (3-C) planning process. By law, Congress has determined that "It is in the national interest to encourage and promote the development of transportation systems embracing various modes of transportation in a manner which will efficiently maximize mobility of people and goods within and through urbanized areas and minimize transportation-related fuel consumption and air pollution. To accomplish this objective, metropolitan planning organizations, in cooperation with the State, shall develop transportation plans and programs for urbanized areas of the State. Such plans and programs shall provide for the development of transportation facilities (including pedestrian walkways and bicycle transportation facilities), which will function as an intermodal transportation system for the State, the metropolitan areas, and the Nation. The process for developing such plans and programs shall provide for consideration of all modes of transportation and shall be continuing, cooperative, and comprehensive to the degree appropriate, based on the complexity of the transportation problems." (§134, Title 23, US Code)

In addition to receiving annual Transportation Planning and Transit Planning grant allocations, the GCLMPO also receives an annual allocation of State Planning and Research (SPR) funds. SPR funds are provided to cover the expanded responsibilities generated from the consolidation of the Gaston Urban Area MPO and the Lake Norman Rural Planning Organization (LNRPO). Annual SPR funds total \$93,750.00 (100%) comprised of \$75,000.00 (80%) and a local match of \$18,750.00 (20%). The current SPR funding contract with NCDOT specifies that Transportation Planning (PL) funds shall be spent prior to SPR funds. The annual SPR funding allocation is procedural and necessary in order for the GCLMPO to be able to drawdown Transportation Planning (PL) and SPR funds concurrently.

Each year the planning staff of the Gaston-Cleveland-Lincoln MPO reviews the planning goals and objectives and identifies new planning projects for the coming year. This is done in coordination with the North Carolina Department of Transportation (NCDOT) Transportation Planning Branch, and the Aviation, Rail, Bicycle and Pedestrian, and the Public Transportation Divisions. Some of these tasks carry over from one fiscal year to another and remain ongoing, such as a traffic count programs or the collection of socioeconomic data. Others have a more defined scope such as the Transportation Planning process, a transit ridership survey, or a corridor study. After considering the amount of work necessary to complete the task, an estimate of funding is developed for each task code.

The following section outlines the work to be completed in fiscal year 2017-2018 by task code category. Also included is the dollar amount budgeted for the year. The recommendations are as follows:

Task Codes

TASK CODE II – CONTINUING TRANSPORTATION

Task Code II-A: Surveillance of Inventory Data

- II-A-1 Traffic Volume Counts - Vehicle counts will be collected as needed throughout the Gaston-Cleveland-Lincoln MPO in support of corridor studies and other analyses. Local real estate representatives and citizens will continue to be able to access specific counts through the GCLMPO webpage (www.gclmpo.org), which includes volume count spreadsheet data and corresponding maps. The public can also view this information on the MPO's interactive map (ArcGIS Online). MPO staff will continue to use local traffic volume counts for proposed site plan and subdivision review comments. MPO staff will also use traffic volume counts to run emissions reduction calculations for potential CMAQ projects. Staff will disseminate traffic volume counts from the Metrolina Regional Model when necessary. Staff will also evaluate the accuracy of counts collected by NCDOT. (\$5,500.00)
- II-A-4 Traffic Accidents – Analysis of unit member local government vehicular accident reports will be conducted. The data will be used to determine whether roadway safety improvements are necessary. (\$5,500.00)
- II-A-5 Transit System Data - Data collection efforts completed in the past and referenced in the Community Transportation Services Plan (CTSP), such as boarding and alighting counts, and new ridership surveys will be conducted as needed. The City of Gastonia will begin implementation of individual efficiency study recommendations to improve overall system efficiency. Staff will continue to collect and disseminate daily and monthly ridership and fare-box collection data from all existing transit routes for Gastonia Transit, the Gastonia Express Bus (CATS 85X) to Charlotte and the three Demand Response Rural Public Transportation Systems within the GCLMPO area: Gaston County ACCESS, Transportation Agency of Cleveland County, and Transportation Lincoln County.
- Gaston-Cleveland-Lincoln MPO staff will continue implementation and monitoring efforts of a Congestion Mitigation and Air Quality (CMAQ) funded midday service addition to the CATS 85X Gastonia Express Commuter Bus Route. (\$25,000.00)
- II-A-10 Mapping - MPO staff will continue to improve NCDOT map links to our interactive map and other maps within the GCLMPO area for our webpage (www.gclmpo.org). The interactive map provides GCLMPO multimodal CTP maps, GCLMPO STIP project descriptions and geographic locations by mode, as well as bridge replacement projects. Additional maps will be produced for our unit member local governments and the general public as requested. (\$33,000.00)
- II-A-12 Bicycle and Pedestrian Facilities Inventory – The GCLMPO will serve as staff to the Bicycle and Pedestrian Advisory Committee (BPAC) to review and maintain bike and pedestrian facilities and a greenway trail inventory for the entire MPO area. This effort will aid staff in identifying the best routes for connecting major county resource attractions and "missing links" in the sidewalk and greenway trail system. Staff will also work with NCDOT Division 12 to coordinate bicycle lane stripping when highway

resurfacing projects occur. Staff will also participate in the walkability and obesity policy workgroup of the Gaston Healthcare community. (\$20,000.00)

Task Code II-B: Metropolitan Transportation Plan (MTP)

II-B-3 Travel Model Updates - MPO staff will fund a local share and work with NCDOT's Transportation Planning Branch, Charlotte Department of Transportation and the Charlotte Regional Alliance for Transportation (CRAFT) to amend the Regional Model specific to the Gaston-Cleveland-Lincoln Metropolitan planning area as needed. MPO staff will continue to use, provide training, and perform maintenance on the Community Viz software for future work with both the Metrolina Regional Travel Demand Model Conformity Analysis and Determination Report for the Region. (\$15,000.00)

II-B-7 Forecasts of Future Travel Patterns - The datasets compiled for the regional modeling effort will need to be forecasted to our horizon year and any other years determined necessary for air quality modeling purposes. Several different land use scenarios may be studied. (\$6,000.00)

II-B-8 Capacity Deficiency Analysis – Staff will utilize transportation modeling analysis to determine whether existing roadway segments are deficient in capacity flows. This effort will primarily occur during the review of proposed land developments. (\$9,000.00)

II-B-9 Highway Element of the MTP - Staff will make any necessary adjustments and amendments to the adopted CTP and Metropolitan Transportation Plan (MTP) based on corridor studies done to refine alignments. These changes need to be coordinated with all necessary governing boards and NCDOT. Further, any amendments that are proposed through the Gaston County Land Use Plan will be reviewed. (\$18,000.00)

II-B-10 Transit Element of the MTP – MPO staff will work to implement policies and recommendations specified in previous Transit Studies. Staff will also work with Gastonia Transit and each of the three member counties demand response transit services to implement the Coordinated Comprehensive Transportation Plan (CCTP) recommended transit changes and work with CATS to improve express bus service. Staff will continue to utilize the Section 5303 grant for transit planning activities to implement the projects and issues raised in the Coordinated Transportation Plan (CTP 2014), the Gastonia Transit Efficiency Study, and the Transit Element of the 2040 Metropolitan Transportation Plan (MTP). GCLMPO staff will continue to attend the Gaston County ACCESS Transportation Advisory Board meetings. Gaston-Cleveland-Lincoln MPO staff will also monitor and improve the midday service addition to the CATS 85X Gastonia Express Commuter Bus Route. (5303 funds) (\$14,000.00)

II-B-11 Bicycle and Pedestrian Element of the MTP - Staff will continue to work with NCDOT Division of Bicycle & Pedestrian Transportation to update the Gaston County bicycle route map. The original map was completed in FY 2003-2004 and adopted by the MPO Board at that time. Staff will work on updating this map to also include Cleveland and Lincoln County. We will continue to encourage the design of future transportation improvements that accommodate alternate modes of transportation. (\$18,000.00)

- II-B-14 Rail, Water or other mode of MTP – Staff will continue to work with NCDOT Rail Division and its leasee to renovate and redevelop the P&N Railroad Corridor for Freight and Economic Development purposes. In addition to rail efforts, MPO staff will work with unit member local governments along river corridors to research and implement blueways. (\$9,000.00)
- II-B-15 Freight Movement/Mobility Planning - Staff will begin implementation of the NCDOT and the Metrolina Regional Freight Plans to incorporate freight data into the Metrolina Model. Staff will also continue working to determine what investments offer residents of the Gaston-Cleveland-Lincoln MPO a full range of real, practical mobility choices that suit their lifestyles and improve their lives. (\$12,000.00)
- II-B-17 Congestion Management Strategies - Staff will work to preserve the functional integrity of the highway system by encouraging good access management practices. This will be done through coordination with municipal staffs and the development community. (\$12,000.00)
- II-B-18 Air Quality Planning Conformity Analysis - The MPO must make a determination as to the conformity of the MTP to the State Implementation Plan (SIP) for air quality. Staff will work with NCDOT Transportation Planning Branch and other appropriate agencies to complete regional conformity efforts. (\$10,000.00)

TASK CODE III: ADMINISTRATION

- III-A Planning Work Program - Preparation of the annual Unified Planning Work Program (UPWP) and all related activities is the objective of this category, along with the preparation of detailed task outlines as required by the Federal Highway Administration and Federal Transit Administration. (\$10,000.00)
- III-B Transportation Improvement Program - Under this task code, staff will prepare the biennial Metropolitan Transportation Improvement Program (MTIP). Staff will also evaluate any new projects proposed to be added to the Unmet Needs List using the methodology approved by the Technical Coordinating Committee and MPO Board. (\$10,000.00)

Task Code III-C: Civil Rights Compliance/Regulatory Requirements

- III-C-2 Environmental Justice - Recipients of federal funds must comply with Executive Order 12898 and Title VI regarding environmental justice. Staff will work to ensure public involvement of persons with limited English proficiency, low-income and minority groups in the decision making process, prevent disproportionately high and adverse impacts on low-income and minority groups, and assure that a proportionate share of benefits are received. (\$15,000.00)
- III-C-6 Public Involvement - Staff will initiate and implement efforts to improve the Public Involvement Process to better reflect current planning activities and to ensure an open exchange of information and ideas. Staff is in the process of moving the GCLMPO webpage to a new server, and will revise the existing webpage design, and maintain and update data and maps. MPO staff will work to improve social media efforts by actively distributing information on Twitter and Facebook. (\$15,000.00)

Task Code III-D: Incidental Planning and Project Development

- III-D-3 Special Studies – Various Planning and Engineering Services will be completed: The City of Lowell will complete a Downtown Transportation Plan; Bessemer City will complete an interchange study; Boiling Springs will conduct a corridor and circulation study; Kings Mtn. will complete two functional design projects; and Shelby will conduct a Bicycle/Pedestrian Rail Corridor Plan. GCLMPO will continue to work as a partner with the Metrolina Regional Travel Demand Model. Additional transportation corridor studies, functional designs and transportation planning studies may be pursued. (\$203,750.00)
- III-D-4 Regional and Statewide Planning - Staff will continue to participate in activities of the Charlotte Regional Alliance for Transportation (CRAFT) and the North Carolina Association of MPOs. Also, a significant amount of time will be spent on the development of the Metrolina Regional Travel Demand Model. Staff will participate in other regional planning efforts and workshops as required. (\$42,014.00)
- III-D-5 Corridor Protection - Staff will continue to participate in activities such as adoption of model right-of-way protection ordinances and/or new subdivision ordinances. Staff will continue to monitor conformance with the adopted Gaston-Cleveland-Lincoln MPO Comprehensive Transportation Plan (CTP) maps through the review of proposed site plans, subdivisions and rezonings for local governments. (\$15,930.00)
- III-E: Management and Operations - Staff planners will: attend the meetings of and prepare the agendas and minutes for the various committees it serves; document expenditures; file for reimbursement of expenditures; attend training sessions; and generally, manage all functions of the MPO. The Prospectus, Memorandum of Understanding and any other administrative agreements or procedures will be updated and implemented as necessary. Assistance and information will be provided to other agencies, the press, developers and the general public in regard to transportation-related issues. (\$93,750.00)

**FISCAL YEAR 2017-2018 UNIFIED PLANNING WORK PROGRAM (UPWP)
FOR THE GASTON-CLEVELAND-LINCOLN
METROPOLITAN PLANNING ORGANIZATION**

WHEREAS, a comprehensive and continuing transportation planning program must be carried out cooperatively in order to ensure that funds for transportation program projects are effectively allocated to the Gaston-Cleveland-Lincoln (GCL) MPO; and

WHEREAS, The City of Gastonia, as Lead Planning Agency for the Gaston-Cleveland-Lincoln MPO Planning Area, has been designated as the recipient of FTA Section 5303 Metropolitan Planning Program grant funds, FTA Section 5307 Transit Administration Program grant funds and FHWA Section 104(d) Planning grant funds; and

WHEREAS, the GCLMPO Board agrees to receive and use State Planning and Research (SPR) Funding concurrently with Transportation Planning Grant funds that the Planning Work Program will effectively advance the transportation planning process for FY 2017-2018; and

WHEREAS, members of the Metropolitan Planning Organization Board (MPO Board) agree that the Planning Work Program will effectively advance the transportation planning process for FY 2017-2018;

NOW, THEREFORE BE IT RESOLVED

1. That the MPO Board of the Gaston-Cleveland-Lincoln Metropolitan Planning Organization (MPO) hereby endorses and approves the Unified Planning Work Program for FY 2017-2018.
2. The total UPWP budget amount is now \$617,444.00.
3. The Transportation Planning Grant – Section 104(d) amount is \$289,561.00.
4. State Planning and Research (SPR) Funds is \$93,750.00.
5. The Transit Planning Grant – Section 5303 amount is \$39,000.00.
6. The Local Government Share Match is \$82,939.00.
7. Special Study local government transfer request amount from statewide MPO fund balance is \$203,750.00.
8. Additional Local share needed to fund minimal UPWP program is \$47,305.00.
9. A three (3) member Executive Committee with one (1) municipal or county representative from each GCLMPO member county is hereby authorized to make changes in this program that do not materially affect the scope of this Unified Planning Work Program (UPWP) and is further authorized to make budget changes to this UPWP not to exceed 10 percent (10%) of the total budget approved by the state of North Carolina Department of Transportation (DOT) without prior consultation with the Board.

10. The Principal Transportation Planner/MPO Coordinator is authorized to furnish such additional information to the United States DOT and the North Carolina DOT that they may require in connection with the application and implementation for the Program.

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

I, **Todd Pierceall**, Chairperson of the MPO Board for the Gaston-Cleveland-Lincoln MPO Area, do hereby certify the UPWP budget for fiscal year 2017-2018 of the Gaston-Cleveland-Lincoln, duly held on the 25th day of May, 2017.

Todd Pierceall, MPO Board Chairperson
Gaston-Cleveland-Lincoln Metropolitan Planning Organization

ATTESTED:

James H. Graham, Jr., AICP, Principal Transportation Planner/
Gaston-Cleveland-Lincoln MPO Coordinator

North Carolina
Gaston County

I, **Melissa A. Melton**, a Notary Public for said County and State, do hereby certify that **Todd Pierceall** personally appeared before me on this the 25th day of May, 2017, and acknowledge the due execution of the foregoing instrument.

Witness my hand and official seal.

Melissa A. Melton
Notary Public

**RESOLUTION CERTIFYING THE GASTON-CLEVELAND-LINCOLN
METROPOLITAN PLANNING ORGANIZATION TRANSPORTATION PLANNING
PROCESS FOR FY 2017-2018**

WHEREAS, the Board has found that the Metropolitan Planning Organization is conducting transportation planning in a continuous, cooperative, and comprehensive manner in accordance with 23 U.S.C. 134 and 49 U.S.C. 1607;

WHEREAS, the Board has found the transportation planning process to be in compliance with Sections 174 and 176 (c) and (d) of the Clean Air Act (42 U.S.C. 7504, 7506 (c) and (d) **(for nonattainment and maintenance areas only)**;

WHEREAS, the Board has found the Transportation Planning Process to be in full compliance with Title VI of the Civil Rights Act of 1964 and the Title VI Assurance executed by each State under 23 U.S.C. 324 and 29 U.S.C. 794;

WHEREAS, the Board has considered how the Transportation Planning Process will affect the involvement of Disadvantaged Business Enterprises in the FHWA and the FTA funded planning projects (Sec. 105(f), Pub. L. 97-424, 96 Stat. 2100, 49 CFR part 23);

WHEREAS, the Board has considered how the Transportation Planning Process will affect the elderly and the disabled per the provision of the Americans with Disabilities Act of 1990 (Pub. L. 101-336, 104 Stat. 327, as amended) and the U.S. DOT implementing regulations;

WHEREAS, the Gaston-Cleveland-Lincoln MPO Metropolitan Transportation Improvement Program is a subset of the currently conforming Gaston-Cleveland-Lincoln MPO 2040 Metropolitan Transportation Plan; **(nonattainment and maintenance areas only)**

WHEREAS, the Metropolitan Transportation Plan has a planning horizon year of 2040, and meets all the requirements for an adequate Transportation Plan,

NOW THEREFORE, be it resolved that the Gaston-Cleveland-Lincoln MPO Board certifies the transportation planning process for the Gaston-Cleveland-Lincoln Metropolitan Planning Organization on this the 25th day of May, 2017.

Todd Pierceall, MPO Board Chairman
Gaston-Cleveland-Lincoln MPO

ATTESTED:

James H. Graham, Jr. AICP, Principal Transportation Planner/
Gaston-Cleveland-Lincoln MPO Coordinator

Resolution adopted upon a motion of _____, seconded by _____, by a vote of the majority of the Gaston-Cleveland-Lincoln MPO Board.

North Carolina
Gaston County

I, **Melissa A. Melton**, a Notary Public for said County and State, do hereby certify that Todd Pierceall personally appeared before me on this the 25th day of May, 2017, and acknowledge the due execution of the foregoing instrument.

Witness my hand and official seal, this the 25th day of May, 2017.

Melissa A. Melton
Notary Public

Table 1
Gaston Cleveland Lincoln Unified Planning Work Program
Fiscal Year 2017-2018 Expenditures (without SPR Funding)
(July 1, 2017 through June 30, 2018)

FINAL

		Fund Allocation			Proposed Totals
Task Code	Description	Federal	State	LPA	
II - CONTINUING TRANSPORTATION PLANNING					
II-A	Surveillance of Inventory Data				
II-A-1	Traffic Volume Counts	\$4,400		\$1,100	\$5,500
II-A-4	Traffic Accidents	\$4,400		\$1,100	\$5,500
II-A-5	Transit System Data	\$20,000	\$2,500	\$2,500	\$25,000
II-A-10	Mapping	\$26,400		\$6,600	\$33,000
II-A-12	Bicycle & Pedestrian Facilities Inventory	\$16,000		\$4,000	\$20,000
	Sub-total	\$71,200	\$2,500	\$15,300	\$89,000
II-B	Long Range Transportation Plan (LRTP)				
II-B-3	Travel Model Updates	\$12,000		\$3,000	\$15,000
II-B-7	Forecasts of Future Travel Patterns	\$4,800		\$1,200	\$6,000
II-B-8	Capacity Deficiency Analysis	\$7,200		\$1,800	\$9,000
II-B-9	Highway Element of the LRTP	\$14,400		\$3,600	\$18,000
II-B-10	Transit Element of the LRTP	\$11,200	\$1,400	\$1,400	\$14,000
II-B-11	Bicycle and Ped. Element of the LRTP	\$14,400		\$3,600	\$18,000
II-B-14	Rail, Water or other mode of LRTP	\$7,200		\$1,800	\$9,000
II-B-15	Freight Movement/Mobility Planning	\$9,600		\$2,400	\$12,000
II-B-17	Congestion Management Strategies	\$9,600		\$2,400	\$12,000
II-B-18	Air Quality Plng/Conformity Analysis	\$8,000		\$2,000	\$10,000
	Sub-total	\$98,400	\$1,400	\$23,200	\$123,000
III - ADMINISTRATION					
III-A	Planning Work Program				
	Planning Work Program	\$8,000		\$2,000	\$10,000
	Sub-Total	\$8,000		\$2,000	\$10,000
III-B	Transportation Improvement Program				
	Transportation Improvement Program	\$8,000		\$2,000	\$10,000
	Sub-Total	\$8,000		\$2,000	\$10,000
III-C	Civil Rights Compliance/Regulatory Requirements				
III-C-2	Environmental Justice	\$12,000		\$3,000	\$15,000
III-C-6	Public Involvement	\$12,000		\$3,000	\$15,000
	Sub-Total	\$24,000		\$6,000	\$30,000
III-D	Incidental Planning & Project Development				
III-D-3	Special Studies - See Table 3	\$163,000		\$40,750	\$203,750
III-D-4	Regional and Statewide Planning	\$33,611		\$8,403	\$42,014
III-D-5	Corridor Protection	\$12,744		\$3,186	\$15,930
	Sub-Total	\$209,355		\$52,339	\$261,694
III-E	Management and Operations				
	Management and Operations	\$75,000		\$18,750	\$93,750
	Sub-Total	\$75,000		\$18,750	\$93,750
TOTALS		\$493,955	\$3,900	\$119,589	\$617,444

2016/2017 Federal PL & 5303 Funds	
	Amended Funding
FY 16-17 MPO (104(d) Allocation	\$231,649
Total Shared PL (104(d)) Local Match	\$57,912
Total GCLMPO PL (104(d)) Annual Allocation	\$289,561
SPR/RPO Allocation	\$75,000
SPR/RPO Allocation match	\$18,750
Total SPR Allocation	\$93,750
Total GCLMPO PL and SPR	\$383,311
Unobligated Funds from FY 2016-2017	\$25,106
Unobligated Funds Match	\$6,277
Total Unobligated Funds with Local Match	\$31,383
Sub Total	\$414,694
5303 Transit Funds	\$31,200
5303 Transit Funds Match	\$7,800
Total 5303 Transit Fund Grant	\$39,000
Special Study - Statewide unobligated funds	\$131,000
Special Study - Statewide unobligated funds match	\$32,750
Total Special Study - Statewide unobligated funds match	\$163,750
TOTAL UPWP	\$617,444

Table 2
Agency Spending
Gaston Cleveland Lincoln MPO Unified Planning Work Program
Fiscal Year 2017-2018 Revenues

FINAL																
Task Code	Description	SPR			Sec. 104(d) PL		Sec. 5303			Sec. 5307			Task Funding Totals			
		NCDOT	LPA	Total	FHWA	LPA	FTA	NCDOT	LPA	FTA	NCDOT	LPA	Federal	State*	LPA	Total
		80%	20%	100%	80%	20%	80%	10%	10%	80%	10%	10%				
II-A	Continuing Transportation Planning															
II-A-1	Traffic Volume Counts				\$4,400	\$1,100							\$4,400		\$1,100	\$5,500
II-A-4	Traffic Accidents				\$4,400	\$1,100							\$4,400		\$1,100	\$5,500
II-A-5	Transit System Data						\$20,000	\$2,500	\$2,500				\$20,000	\$2,500	\$2,500	\$25,000
II-A-10	Mapping				\$26,400	\$6,600							\$26,400		\$6,600	\$33,000
II-A-12	Bicycle & Pedestrian Facilities Inventory				\$16,000	\$4,000							\$16,000		\$4,000	\$20,000
II-B	Long Range Transportation Plan (LRTP)															
II-B-3	Travel Model Updates				\$12,000	\$3,000							\$12,000		\$3,000	\$15,000
II-B-5	Forecasts of Future Travel Patterns				\$4,800	\$1,200							\$4,800		\$1,200	\$6,000
II-B-8	Capacity Deficiency Analysis				\$7,200	\$1,800							\$7,200		\$1,800	\$9,000
II-B-9	Highway Element of the LRTP				\$14,400	\$3,600							\$14,400		\$3,600	\$18,000
II-B-10	Transit Element of the LRTP						\$11,200	\$1,400	\$1,400				\$11,200	\$1,400	\$1,400	\$14,000
II-B-11	Bicycle and Pedestrian Element of the LRTP				\$14,400	\$3,600							\$14,400		\$3,600	\$18,000
II-B-14	Rail, Water or other mode of LRTP				\$7,200	\$1,800							\$7,200		\$1,800	\$9,000
II-B-15	Freight Movement/Mobility Planning				\$9,600	\$2,400							\$9,600		\$2,400	\$12,000
II-B-17	Congestion Management Strategies				\$9,600	\$2,400							\$9,600		\$2,400	\$12,000
II-B-18	Air Quality Planning/Conformity Analysis				\$8,000	\$2,000							\$8,000		\$2,000	\$10,000
III-A	Planning Work Program															
	Planning Work Program				\$8,000	\$2,000							\$8,000		\$2,000	\$10,000
III-B	Transportation Improvement Program															
	Transportation Improvement Program				\$8,000	\$2,000							\$8,000		\$2,000	\$10,000
III-C	Civil Rights Compliance/Regulatory Requirements															
III-C-2	Environmental Justice				\$12,000	\$3,000							\$12,000		\$3,000	\$15,000
III-C-6	Public Involvement				\$12,000	\$3,000							\$12,000		\$3,000	\$15,000
III-D	Incidental Planning & Project Development															
III-D-3	Special Studies				\$163,000	\$40,750							\$163,000		\$40,750	\$203,750
III-D-4	Regional and Statewide Planning				\$33,611	\$8,403							\$33,611		\$8,403	\$42,014
III-D-5	Corridor Protection				\$12,744	\$3,186							\$12,744		\$3,186	\$15,930
III-E	Management and Operations															
	Management and Operations	\$75,000.00	\$18,750.00	\$93,750.00									\$75,000		\$18,750	\$93,750
TOTALS	Totals	\$75,000.00	\$18,750.00	\$93,750.00	\$387,755	\$96,939	\$31,200	\$3,900	\$3,900	\$0	\$0	\$0	\$493,955	\$3,900	\$119,589	\$617,444

TABLE 3
FY 2017-18 DBE Contracting Opportunities

Name of MPO: Gaston Cleveland Lincoln MPO

Person Completing Form: Hank Graham

Telephone Number: 704-854-6663

Prospectus Task Code	Prospectus Description	Name of Agency Contracting Out	Type of Contracting Opportunity (Consultant, etc.)	Federal Funds to be Contracted Out (80%)	Local Funds to be Contracted Out (20%)	Total Funds to be Contracted Out (80%)
III-D-3	13th Street Underpass Intersection Study	Bessemer City	Transportation Planning/Engineering Services	\$12,000	\$3,000	\$15,000
III-D-3	N. Main Street Corridor and Circulation Study	Boiling Springs	Transportation Planning/Engineering Services	\$20,000	\$5,000	\$25,000
III-D-3	Gold, Cansler, & Mountain Streets and Railroad Ave. Parking Functional Design	Kings Mountain	Transportation Planning/Engineering Services	\$20,000	\$5,000	\$25,000
III-D-3	Shelby Road/US 74 Intersection Improvement Function Design	Kings Mountain	Transportation Planning/Engineering Services	\$15,000	\$3,750	\$18,750
III-D-3	Bicycle/Pedestrian Rail Corridor Plan	Shelby	Transportation Planning/Engineering Services	\$64,000	\$16,000	\$80,000
III-D-3	GCLMPO Areawide On-Call Engineering/Planning Services	Areawide	Transportation Planning/Engineering Services	\$32,000	\$8,000	\$40,000
TOTAL				\$163,000	\$40,750	\$203,750

Note: This form must be submitted to NCDOT-PTD even if you anticipate no DBE/MBE/WBE Contracting Opportunities. Note “No contracting opportunities” on the table if you do not anticipate having any contracting opportunities.

Table #4a
Gaston Cleveland Lincoln MPO
Sections 104(f) and 5303
FY2017-2018 Funding Sources Table and Task Narratives
FINAL

1	MPO Name	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln
2	FTA Code	442301	442301	442400	442301	442301	442301	442301	442301
3	Task Code	II-A-1	II-A-4	II-A-5	II-A-10	II-A-12	II-B-3	II-B-7	II-B-8
4	Title of Planning Task	Traffic Volume Counts	Traffic Accidents	Transit System Data	Mapping	Bike & Ped. Facilities Inventory	Travel Model Updates	Forecast of Future Travel Patterns	Capacity Deficiency Analysis
5	Task Objective	Vehicle counts will be collected as needed throughout the GCLMPO Area in support of the regional travel demand model, corridor studies and other analyses. Staff will also evaluate the accuracy of counts collected by NCDOT. Implement and review performance measures.	Accident counts will be collected throughout the GCLMPO Area in support of corridor studies and other analyses. Accidents will be mapped and evaluated for accuracy. Implement and review performance measures.	To collect and study data as needed related to the operation of Gastonia Transit and for efforts recommended in the Coordinated Comprehensive Transportation Plan (CCTP) for the GGCLMPO.	Utilize Arc GIS to map all Transportation Planning activities and needs	Collect and map bicycle and sidewalk data	Conduct necessary data collection for updated model runs	Forecast roadway projects for each horizon year	Review and coordinate transportation improvements when needed. Implement and review performance measures.
6	Tangible Product Expected	Updated traffic volume counts for major and minor thoroughfares within the Gaston Cleveland Lincoln MPO Area	Updated accident counts by mode and location within the Gaston Cleveland Lincoln MPO Area will be made available on the GCLMPO website.	Complete a Gastonia Transit Efficiency Study. Conduct an annual boarding and alighting ridership study/survey regarding current routes and potential new routes for Gastonia Transit and the Gastonia Express Bus Route (85X) for Charlotte Area Transit (CATS). Continue to incorporate data needed as recommended by Coordinated Comprehensive Transportation Plan (CCTP).	Digital maps reflective of both factual and conceptual data. Create and transfer mapping data to webpage.	Update Gaston Cleveland Lincoln MPO Map depicting all collected data	Vehicle Miles Traveled (VMT) counts. Update socio economic data for new 2014 base year.	Data input for Travel Demand Model	Capacity tables for transportation facilities county-wide
7	Expected Completion Date of Product(s)	6/30/2018	6/30/2018	6/30/2018	6/30/2018	6/30/2018	6/30/2018	6/30/2018	6/30/2018
8	Status	Input NCDOT counts into excel spreadsheet and link maps to webpage	Coordinate and collect local data with NCDOT and local police departments	In 2016, MPO staff worked with Gastonia Transit staff to complete an efficiency study of the Gastonia Transit System. Some improvement recommendations will be implemented one at a time and monitored. New route maps and ridership data for analysis will be included in the 2045 Metropolitan Transportation Plan update.	Continuous as needed	Ongoing	Ongoing	Ongoing	As needed
9	Prior FTA Funds	0	0	\$25,000	0	0	0	0	0
10	Relationship To Other Activities	Data will be used to access existing and proposed travel demand and roadway congestion.	Data will be used to access existing and proposed travel demand, roadway congestion, and safety.	Data will be collected and monitored of existing routes and support goals and objectives of the "Transit Element of MTP."	Utilize Arc GIS to map all Transportation Planning activities and needs.	Use updated data to supplement and improve Bike and Pedestrian activities and planning efforts.	Revise and update travel model data to correspond and comply with current TIP and air quality conformity reporting.	The datasets compiled for the regional modeling effort will need to be forecasted to our horizon year and any other years determined necessary for air quality modeling purposes. Several different land use scenarios may be studied.	Staff will utilize transportation modeling analysis to determine whether existing roadway segments are deficient in capacity flows. This effort will primarily occur during the review of proposed land developments.
11	Agency Responsible for Task Completion	NCDOT, & Gaston Cleveland Lincoln MPO	NCDOT, & Gaston Cleveland Lincoln MPO	GCLMPO Area, Charlotte Area Transit (CATS), and consultants.	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO	NCDOT, & Gaston Cleveland Lincoln MPO	NCDOT, & Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO
12	SPR - Highway - NCDOT 20%								
13	SPR - Highway - FHWA 80%								
14	Section 104 (d) PL Local 20%	\$1,100	\$1,100		\$6,600	\$4,000	\$3,000	\$1,200	\$1,800
15	Section 104 (d) PL FHWA 80%	\$4,400	\$4,400		\$26,400	\$16,000	\$12,000	\$4,800	\$7,200
	Section 104 (d) Total	\$5,500	\$5,500		\$33,000	\$20,000	\$15,000	\$6,000	\$9,000
16	Section 5303 Local 10%			\$2,500					
17	Section 5303 NCDOT 10%			\$2,500					
18	Section 5303 FTA 80%			\$20,000					

Table #4b
Gaston Cleveland Lincoln MPO
Sections 104(f) and 5303
FY2016-2017 Funding Sources Table and Task Narratives
FINAL

Table #4b
Gaston Cleveland Lincoln MPO

1	MPO Name	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln
2	FTA Code	442301	442400	442301	442301	442301	442301	442301	442301
3	Task Code	II-B-9	II-B-10	II-B-11	II-B-14	II-B-15	II-B-17	II-B-18	III-A
4	Title of Planning Task	Highway Element of the MTP	Transit Element of MTP	Bicycle and Pedestrian Element of MTP	Rail, Water or other Mode of MTP	Freight Movement/Mobility Planning	Congestion Management Strategies	Air Quality Planning/Conformity Analysis	Planning Work Program
5	Task Objective	Forecast highway projects for each horizon year. Implement and review performance measures.	To implement the issues raised through the Coordinated Comprehensive Transportation Plan (CTTP), and monitor the Transit Element of the 2040 Metropolitan Transportation Plan and the USEPA 8-Hour Ozone Non-Attainment Conformity Report.	Promote and maintain bicycle and pedestrian projects for each horizon year. Implement and review performance measures.	Promote and maintain Piedmont and Northern Rail Road Renovation and Redevelopment efforts and River corridor transportation efforts. Implement and review performance measures.	Participate in Metrolina Regional Freight study	Conduct traffic congestion management activities when needed. Implement and review performance measures.	Conduct training on various air quality modeling techniques	Prepare and implement an annual fiscal year UPWP
6	Tangible Product Expected	Data input for Travel Demand Model	Implement policies and recommendations specified in the previous Transit & Corridor Studies. Completion of Franklin/Wilkinson Boulevard Transit Corridor Improvement Study. Staff will also work with Gastonia Transit and each of the three Counties demand response transit services to implement the Coordinated Comprehensive Transportation Plan (CTTP) recommended transit changes and work with CATS to improve express bus service. (5303 funds)	Updated data and information for the 2040 Gaston Cleveland Lincoln MTP	Updated data and information for the 2035 Gaston Cleveland Lincoln MPO MTP	Report documenting freight traffic within the Gaston Cleveland Lincoln MPO area	Modeling output for land development proposals	Implement various measures and programs to decrease ozone and its component parts	An annual PWP that is comprehensive and beneficial to the Gaston Cleveland Lincoln MPO public
7	Expected Completion Date of Product(s)	6/30/2018	6/30/2018	6/30/2018	6/30/2018	6/30/2018	6/30/2018	6/30/2018	6/30/2018
8	Status	2010 Census and future year projections	Worked to implement Express Bus service to Charlotte, pursued future rail options and examined enhancements to the fixed route system and rural transportation; worked with consultant in completion of the Coordinated Comprehensive Transportation Plan (CTTP).	Ongoing	Ongoing	Ongoing	Ongoing	On-Going	Ongoing
9	Prior FTA Funds	0	\$14,000	0	0	0	0	0	0
10	Relationship To Other Activities	Staff will make any necessary adjustments and amendments to the adopted Thoroughfare Plan based on corridor studies done to refine alignments. These changes need to be coordinated with all necessary governing boards and NCDOT. Further, any amendments which are proposed through the County Comprehensive Plan process will be reviewed.	Work in this task code is related to work being done under the task codes "Transit System Data" (data collection) and "Regional or Statewide Planning" (West Corridor study).	Staff will continue to work with NCDOT Division of Bicycle & Pedestrian Planning to publish the GCLMPO Area bicycle route map. This map was completed in FY 2003-2004 and adopted by the Transportation Advisory Committee. We will continue to encourage the design of future transportation improvements which accommodate alternate	Staff will continue to work with NCDOT Rail Division and its lease to renovate and redevelop the P&N Railroad Corridor for Freight and Economic Development purposes.	Further detailed study will be conducted on rail and heavy truck freight traffic within the MPO area. The MPO will also study a full range of real, practical mobility choices the suit the lifestyles and improve the lives of the residents within the MPO.	Staff will work to preserve the functional integrity of the thoroughfare system by encouraging good access management practices. This will be done through coordination with municipal staffs and the development community.	The MPO must make a determination as to the conformity of the Long Range Transportation Plan to the State Implementation Plan (SIP) for air quality. Staff will work with NCDOT Statewide Planning Branch and other appropriate agencies to complete this effort in 2018	Preparation of the annual Planning Work Program (PWP), and all related activities, is the objective of this category, along with the preparation of detailed task outlines as required by the Federal Transit Administration.
11	Agency Responsible for Task Completion	NCDOT, & Gaston Cleveland Lincoln MPO	GCLMPO in conjunction with NCDOT Public Transportation Division, Gastonia Transit, demand response transit providers for Gaston Cleveland and Lincoln Counties and consultants (TBD).	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO
12	SPR - Highway - NCDOT 20%								
13	SPR - Highway - FHWA 80%								
14	Section 104 (d) PL Local 20%	\$3,600		\$3,600	\$1,800	\$2,400	\$2,400	\$2,000	\$2,000
15	Section 104 (d) PL FHWA 80%	\$14,400		\$14,400	\$7,200	\$9,600	\$9,600	\$8,000	\$8,000
	Section 104 (d) Total	\$18,000		\$18,000	\$9,000	\$12,000	\$12,000	\$10,000	\$10,000
16	Section 5303 Local 10%		\$1,400						
17	Section 5303 NCDOT 10%		\$1,400						
18	Section 5303 FTA 80%		\$11,200						

1	MPO Name	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln	Gaston Cleveland Lincoln
2	FTA Code	442301	442301	442301	442301	442301	442301	442301
3	Task Code	III-B	III-C-2	III-C-6	III-D-3	III-D-4	III-D-5	III-E
4	Title of Planning Task	Transportation Improvement Program	Environmental Justice	Public Involvement	Special Studies	Regional and Statewide Planning	Corridor Protection	Management & Operations
5	Task Objective	Review all aspects of the MTIP & STIP to recommend changes when necessary. Implement and review performance measures.	Implement an aggressive environment justice awareness program	Increase and improve Gaston Cleveland Lincoln MPO Public Involvement efforts. Implement and review performance measures.	Conduct transportation planning studies in Gaston Cleveland Lincoln MPO area including but not limited to functional designs, corridor studies, and other studies as requested.	Coordinate with regional transportation partners (CRAFT), MPO local governments, and NCDOT on regionally significant projects. Implement and review performance measures.	Continue to get ROW dedication and if possible construction of proposed widenings and new roadway construction of Gaston Cleveland Lincoln MPO thoroughfares	Perform Management duties of the Gaston Cleveland Lincoln MPO. Maintain the Prospectus, Memorandum of Understanding and all other administrative agreements or procedures will be updated if necessary
6	Tangible Product Expected	Funded TIP projects that demonstrate the greatest need	Policy document that outlines Gaston Cleveland Lincoln MPO's Environmental justice efforts and standards	Create a public involvement Plan for the Gaston Cleveland Lincoln MPO area	Prepare transportation studies and complete functional designs for Gaston Cleveland Lincoln MPO transportation corridors	Regional Coordination	ROW dedication and construction	Quarterly reports and grant drawdown requests. GCLMPO Web page content. GCLMPO TCC and MPO Board Agenda packages. All policy and written materials generated from GCLMPO activities.
7	Expected Completion Date of Product(s)	6/30/2018	6/30/2018	6/30/2018	6/30/2018	6/30/2018	6/30/2018	6/30/2018
8	Status	Monitor and Implement	Ongoing	Ongoing	Annually	Ongoing	Ongoing	Ongoing
9	Prior FTA Funds	0	0	0	0	0	0	0
10	Relationship To Other Activities	Under this task code, staff will prepare the biennial Metropolitan Transportation Improvement Program (MTIP). Staff will also evaluate any new projects proposed to be added to the Unmet Needs List using the methodology approved by the Technical Coordinating Committee and Transportation Advisory Committee	Recipients of federal funds must comply with Executive Order 12898 regarding environmental justice. Staff will work to ensure public involvement of low-income and minority groups in decisions making, prevent disproportionately high and adverse impacts on low-income and minority groups and assure that a proportionate share of benefits are received.	Staff will initiate an effort to update the adopted Public Involvement Process to better reflect current planning activities and to ensure an open exchange of information and ideas	On-Call Planning and Engineering services will be obtained to conduct work as needed. Conduct Community Viz Software for future SE Data projections. Continue participation in the Metrolina Regional Model; complete a 13th Street Underpass Intersection Study in Bessemer City, NC; conduct a North Main Street Corridor and Circulation Study in Boiling Springs, NC; complete a Gold, Candler, & Mountain Streets and Railroad Ave. Parking Functional Design study in Kings Mountain, NC; complete a Shelby Road/US 74 Intersection Improvement Function Design in Kings Mountain, NC; and conduct a Bicycle/Pedestrian Rail Corridor Plan in Shelby, NC. Additional transportation corridor functional designs may be pursued.	Staff will continue to participate in activities of the Charlotte Regional Alliance for Transportation (CRAFT) and the North Carolina Association of MPOs. Also, a significant amount of time will be spent on the development of the Metrolina Regional Travel Demand Model.	Staff will work on a model right-of-way protection ordinance for new residential subdivisions. Staff will monitor conformance with the adopted GCLMPO Area Comprehensive Transportation Plan (CTP) maps through the review of proposed site plans, subdivisions and rezoning for local governments.	Attend meetings and prepare the agendas and prepare MPO meeting minutes for MPO boards and committees, document expenditures; file for reimbursement of expenditures; attend training sessions; and generally, manage all functions of the MPO.
11	Agency Responsible for Task Completion	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO	Gaston Cleveland Lincoln MPO
12	SPR - Highway - NCDOT 20%							
13	SPR - Highway - FHWA 80%							
14	Section 104 (d) PL Local 20%	\$2,000	\$3,000	\$3,000	\$40,750	\$8,403	\$3,186	\$18,750
15	Section 104 (d) PL FHWA 80%	\$8,000	\$12,000	\$12,000	\$163,000	\$33,611	\$33,611	\$75,000
0	Section 104 (d) Total	\$10,000	\$15,000	\$15,000	\$203,750	\$42,014	\$36,797	\$93,750
16	Section 5303 Local 10%							
17	Section 5303 NCDOT 10%							
18	Section 5303 FTA 80%							

Voting Member Local Match Obligation by Population for FY 2017-2018

FINAL

Member Jurisdiction	MPA Population (2010)	% of Total	Shared Local Match	State Share (5303 only)	Additional GCLMPO match due to reduced PL Funds	Additional Local Match Special Projects	Total Local Match
Belmont	10,076	2.60%	\$2,156		\$1,524.05		\$3,680
Bessemer City	5,340	1.40%	\$1,161		\$956.39	\$3,000	\$5,118
Boiling Springs	4,647	1.20%	\$995		\$861.78	\$5,000	\$6,857
Cherryville	5,760	1.50%	\$1,244		\$1,003.70		\$2,248
Cleveland County	63,866	16.70%	\$13,851		\$8,194.06		\$22,045
Cramerton	4,165	1.10%	\$912		\$814.48		\$1,727
Dallas	4,488	1.20%	\$995		\$861.78		\$1,857
Gaston County	79,290	20.70%	\$17,168		\$10,086.26		\$27,255
Gastonia	71,741	18.80%	\$15,592	\$3,900	\$9,187.46	\$5,000	\$29,780
Kings Mountain	10,296	2.70%	\$2,239		\$1,571.36	\$3,750	\$7,561
Lincoln County	67,779	17.70%	\$14,680		\$8,667.11		\$23,347
Lincolnton	10,486	2.80%	\$2,322		\$1,618.66		\$3,941
Lowell	3,526	0.90%	\$746		\$719.87		\$1,466
Mount Holly	13,656	3.60%	\$2,986		\$1,997.10		\$4,983
Ranlo	3,434	0.90%	\$746		\$719.87		\$1,466
Shelby	20,323	5.30%	\$4,396		\$2,801.29	\$16,000	\$23,197
Stanley	3,556	0.90%	\$746		\$719.87		\$1,466
Total	319,705	100.00%	\$82,939	\$3,900	\$52,305	\$32,750	\$167,994

Source: U.S. Census Bureau, 2010 Census

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Post Office Box 1748
Gastonia, North Carolina 28053
Phone (704) 866-6837

150 South York Street
Gastonia, North Carolina 28052
Fax (704) 869-1960

Agenda Item #9

To: Board Members and Interested Persons
From: Randi P. Gates, AICP, Senior Transportation Planner
Date: May 25, 2017
Subject: 2017 Project Schedule Coordination

BACKGROUND:

By August of 2017, GCLMPO will be required to complete the following tasks:

- Adopt a 2045 MTP fiscally constrained project list
- Adopt the 2018-2027 TIP, approve 2040 MTP amendments and an air quality determination
- Determine the projects that should be evaluated in the 2020-2029 TIP development process (P5.0)

Because there are so many processes going on concurrently, GCLMPO staff has developed the attached schedule to better lay out these processes so that both TCC and MPO Board Members can be advised of future required actions.


ACTION REQUESTED: For information only

ATTACHMENTS:

1. GCLMPO MTP/TIP/P5.0 Schedule
2. Project Schedule Presentation

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Preliminary 2045 MTP, 2018-2027 TIP, and P5.0 Schedule

Month Week of (Beginning on Monday) TCC Meetings MPO Board Meetings			Mar-17				Apr-17				May-17					Jun-17				Jul-17					Aug-17				Sep-17				Oct-17				
			6	13	20	27	3	10	17	24	1	8	15	22	29	5	12	19	26	3	10	17	24	31	7	14	21	28	4	11	18	25	2	9	16	23	30
1	MTP	Project Submittal Window (All modes)																																			
2	MTP	Project Ranking Process (Scoring, Cost Estimates, Tier 1, Tier 2, Fiscal Constraint)																																			
3	MTP	Financial Assumptions Information Reports																																			
4	TIP	Information Report on DRAFT TIP, 2040 MTP Amendments, and DRAFT Air Quality Conformity Determination																																			
5	TIP	Request to Open a 30-day comment period on DRAFT TIP, 2040 MTP Amendments, and DRAFT Air Quality Conformity Determination																																			
6	TIP	30-day public comment period on DRAFT TIP, 2040 MTP Amendments, and DRAFT Air Quality Conformity Determination																																			
7	MTP	Financial Assumptions - Recommendation/Request for Approval																																			
8	P5.0	P5.0 Project Submittal Window																																			
9	P5.0	P5.0 Information Report - Potential Project Submittals (all modes)																																			
10	MTP	MTP - Recommendation/Request for Approval - Public Comment Period - Fiscally Constrained Project List																																			
11	TIP	TIP - Recommendation/Request for Approval																																			
12	MTP	MTP - Public Engagement Period for Fiscally Constrained Projects																																			
13	MTP	MTP - Adoption of Fiscally Constrained Project List																																			
14	P5.0	P5.0 Recommendation/Request for Approval - Project Submittals (all modes)																																			
15	P5.0	SPOT office calculates P5.0 Project Scores (MPO/NCDOT Div 12 will be assigning points during this time as well)																																			
Legend			Notes:																																		
TCC Meetings																																					
MPO Board Meetings																																					
2045 MTP Tasks																																					
2018-2027 TIP Tasks																																					
P5.0 Project Submittal Tasks (Draft 2020-2029 STIP Tasks)																																					
 Action Requested																																					

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2017 Project Schedule Coordination Review

May 10 TCC Meeting
May 25 Board Meeting

Why is this important?

- By August of 2017, GCLMPO will be required to:
 - Adopt a 2045 MTP fiscally constrained project list
 - Adopt the 2018-2027 TIP, approve 2040 MTP amendments and an air quality conformity determination
 - Determine the projects that should be evaluated in the 2020-2029 TIP development process (P5.0).
- Staff has highlighted the important tasks for each plan and each upcoming meeting so TCC and MPO Board members can be advised of future required actions.

2045 MTP Upcoming Actions

Date	Task Type
May TCC & MPO Board Meeting	<u>Action Request</u> : Goals, Objectives, and Policies and Project Solicitation and Ranking Process
May 30	Project submittal window closes
April 15 – June 30	Ranking Process to develop fiscally constrained project list.
July TCC & MPO Board Meetings	<u>Action Request</u> : 2045 MTP Financial Assumptions (roadway project revenue)
July TCC & MPO Board Meetings	<u>Action Request</u> : Open a public comment period on draft 2045 MTP fiscally constrained project list
August 1 – August 30	Public Engagement period for fiscally constrained project list
September TCC & MPO Board Meetings	<u>Action Request</u> : Adoption of fiscally constrained project list

2018-2027 TIP Adoption Upcoming Actions

Date	Task Type
May TCC & MPO Board Meetings	<u>Information Report:</u> DRAFT TIP, 2040 MTP Amendments and Air Quality Conformity Determination
May TCC & MPO Board Meetings	<u>Action Request:</u> Open a 30-day public comment period on the DRAFT TIP, MTP Amendments, and Air Quality Conformity Determination
June 19 – July 19	30-day public comment period on DRAFT TIP, MTP Amendments, and Air Quality Conformity Determination
July TCC & MPO Board Meetings	<u>Action Request:</u> Adopt the TIP, MTP Amendments, and Air Quality Conformity Determination

P5.0 (2020-2029 TIP Development) Upcoming Actions

Date	Task Type
June 16	Existing Project Modifications and Deletions due to NCDOT
July 5 – September 15	Project Submittal (all modes) to NCDOT for scoring in P5.0 (2020-2029 TIP Development) Process
July TCC & MPO Board Meetings	<u>Information Report</u> : Potential Project Submittals for all modes
September TCC & MPO Board Meetings	<u>Action Request</u> : Approve project submittals for all modes
September 2017-March 2018	NCDOT calculates quantitative scores for all projects.

May 2017 Agenda Items

Process	Task Type	Item Type
2045 MTP	2045 MTP Goals, Objectives, and Policies	<u>Action Requested:</u> Approve 2045 MTP Goals, Objectives, and Policies
2045 MTP	2045 MTP Project Solicitation and Ranking Process	<u>Action Requested:</u> Approve 2045 MTP Project Solicitation and Ranking Process
DRAFT TIP	DRAFT 2018-2027 TIP, MTP Amendments, air quality conformity	<u>Action Requested:</u> Approve Draft 2018-2027 TIP, 2040 MTP Amendments, and an Air Quality Determination Report for public comment

July 2017 Agenda Items

Process	Task Type	Item Type
2045 MTP	2045 MTP Financial Assumptions (Roadway Project Revenue)	<u>Action Requested:</u> Endorse financial assumptions for roadway project revenue
2045 MTP	Public Comment Period – Fiscally Constrained Project List	<u>Action Requested:</u> Approve Fiscally Constrained Project List for Public Comment
DRAFT TIP	2018-2027 TIP, 2040 MTP Amendments, Conformity Determination	<u>Action Requested:</u> Adopt the TIP, MTP Amendments, and Air Quality Conformity Determination
P5.0	Potential Project Submittals (all modes)	Information Report

September 2017 Agenda Items

Process	Task Type	Item Type
2045 MTP	Fiscally Constrained Project List	<u>Action Requested:</u> Adopt Fiscally Constrained Project List
P5.0	Project Submittals (all modes)	<u>Action Requested:</u> Approve P5.0 Project Submittals (all modes)

Post Office Box 1748
Gastonia, North Carolina 28053
Phone (704) 866-6837

150 South York Street
Gastonia, North Carolina 28052
Fax (704) 869-1960

Agenda Item #10

To: Board Members and Interested Persons
From: Randi P. Gates, AICP, Senior Transportation Planner
Date: May 25, 2017
Subject: Draft 2018-2027 TIP

BACKGROUND:

Since the release of the Draft 2018-2027 TIP, GCLMPO staff has thoroughly reviewed the proposed projects and schedules and has participated in multiple interagency consultation meetings. Amendments to the GCLMPO 2040 MTP are required in order for the MTP and TIP to be consistent upon the TIP's anticipated adoption in August.

The air quality conformity determination is required due to the Clean Air Act's requirement that an MPO's plans and programs conform to the purpose of the state implementation plan (SIP) for achieving air quality standards. Conformity to the purpose of the SIP means that the transportation activities will not cause new violations of the National Ambient Air Quality Standards (NAAQS), worsen existing violations, or delay timely attainment of the NAAQS.

The 30-day public comment period is scheduled from June 19 – July 19, as agreed to as part of the interagency consultation with our regional MPO partners, NCDOT, the NC Division of Air Quality, EPA, and FHWA.

TCC ACTION: Recommended approval

ACTIONS REQUESTED:

1. Approve the Draft 2018-2027 TIP, 2040 MTP Amendments, and an air quality conformity determination for public comment
2. Approve a 30-day public comment period (June 19 – July 19, 2017)

ATTACHMENTS:

1. Draft 2018-2027 STIP (GCLMPO Only)
2. 2040 MTP Amendments
3. Draft Metrolina Area Transportation Conformity: Pre-Analysis Consensus Plan

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North Carolina Department of Transportation

Draft STIP

FY 2018 - 2027



January 2017

GASTON CLEVELAND LINCOLN URBAN AREA METROPOLITAN PLANNING ORGANIZATION										TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
COUNTY	ROUTE/CITY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	FY 2017	STATE TRANSPORTATION IMPROVEMENT PROGRAM										DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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GASTON	I-85	I-5893 SW	MILE MARKER 14 TO MILE MARKER 22. PAVEMENT REHABILITATION.	8.0	12000	12000	UNDER CONSTRUCTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
GASTON	I-85	I-5007 TRN	SOUTH FORK RIVER BRIDGE TO EXIT 27. PAVEMENT REHABILITATION.	3.1	6506	5838	NHP	CG	334	CG	334																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

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GASTON CLEVELAND LINCOLN URBAN AREA METROPOLITAN PLANNING ORGANIZATION											TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS															
COUNTY	ROUTE/CITY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	FY 2017	STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED							
									FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS							
RURAL PROJECTS																										
LINCOLN	NC 16 BUSINESS	R-5712	INTERSECTION OF NC 16 BUSINESS AND SR 1439 (UNITY CHURCH ROAD)/SR 1387 (TRIANGLE CIRCLE). ADD TURN LANES.		1163	233																				
		REG					T																			
LINCOLN	NC 73	R-5710	INTERSECTION OF NC 73 AND NC 16 BUSINESS. INTERSECTION IMPROVEMENTS.		930																					
		REG					T																			
PLANNING/ENVIRONMENTAL DOCUMENT TO BE COMPLETED UNDER PROJECT R-5721																										
LINCOLN MECKLENBURG	NC 73	R-5721	NC 16 BUSINESS IN LINCOLN COUNTY TO SR 5544 (WEST CATAWBA AVENUE) IN MECKLENBURG COUNTY. WIDEN TO MULTI-LANES.	9.1	64930	500	T								R	5500	A									
							T																			
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							T																			
REG A NC 16 BUSINESS TO VANCE ROAD EXTENSION/BEATTIES FORD ROAD. REG B VANCE ROAD EXTENSION/BEATTIES FORD ROAD TO SR 5544 (WEST CATAWBA AVENUE).																										
DESIGN-BUILD PROJECT																										
CATAWBA IREDELL LINCOLN	NC 150	R-2307	RELOCATED NC 16 (TIP PROJECT R-2206) TO US 21. WIDEN TO MULTI-LANES.	15.0	349220	2220	STBG																			
							STBG																			
							STBG																			
							STBG	R	86000	B																
							STBG	U	5600	B																
							STBG																			
REG A RELOCATED NC 16 (TIP PROJECT R-2206) TO EAST OF SR 1840 (GREENWOOD ROAD) REG B EAST OF SR 1840 (GREENWOOD ROAD) IN CATAWBA COUNTY TO US 21 IN IREDELL COUNTY																										
PLANNING/DESIGN IN PROGRESS - COORDINATE WITH PROJECT I-5717																										
GASTON LINCOLN	NC 150	R-0617	NC 279 AT CHERRYVILLE TO RELOCATED US 321. WIDEN TO MULTI-LANES, PART ON NEW LOCATION.	10.6	60701	35801	T																			
							T																			
							T																			
A NC 279 AT CHERRYVILLE TO THE LINCOLN COUNTY LINE. - COMPLETE BA GASTON COUNTY LINE TO WEST OF INDIAN CREEK. - COMPLETE REG BB WEST OF INDIAN CREEK TO US 321 AT LINCOLNTON. C US 321 AT LINCOLNTON TO US 321 BYPASS.																										
ALEXANDER CATAWBA CLEVELAND GASTON IREDELL LINCOLN	VARIOUS	R-5792	DIVISION 12 TRANSPORTATION ALTERNATIVES PROGRAM.		663	663																				
DIV																										
UNDER CONSTRUCTION																										

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GASTON CLEVELAND LINCOLN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS

[illegible]

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GASTON CLEVELAND LINCOLN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

										TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																			
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									FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS										
URBAN PROJECTS																													
GASTON	US 321 (SOUTH YORK ROAD)	U-5970	19TH AVENUE TO CLYDE. CONSTRUCT ACCESS MANAGEMENT IMPROVEMENTS.		4600																								
REG																													
GASTON	NC 7	U-5800	INTERSECTION OF NC 7/US 74 AND NC 7/US 29. CONSTRUCT NORTHBOUND THROUGH LANE AND INTERSECTION IMPROVEMENTS.		565	100																							
REG																													
GASTON	NC 7	U-3608	I-85 TO US 29/74. WIDEN TO MULTI-LANES.	0.3	4715	500																							
DIV																													
LINCOLN	NC 16 BUSINESS	U-5962	NC 16 BUSINESS, SR 1373 (CAMPGROUND ROAD), SR 1386 (WILL PROCTOR ROAD). REALIGN OFFSET INTERSECTIONS.		4750																								
REG																													
"L" REPRESENTS FUNDS FROM LINCOLN COUNTY																													
GASTON	NC 27 (WEST CHARLOTTE AVENUE)	U-5819	INTERSECTION OF NC 27 (WEST CHARLOTTE AVENUE) AND SR 2534 (HAWTHORNE STREET). CONSTRUCT INTERSECTION IMPROVEMENTS.		2550	200																							
DIV																													
CLEVELAND	NC 180	U-2221	NC 226 TO NC 150. WIDEN TO MULTI-LANES.	4.9	41589	16189																							
A NC 226 TO SR 2200.																													
B SR 2200 TO SR 2052. - COMPLETE																													
REG C SR 2052 TO NC 150.																													
GASTON	NC 274 (UNION ROAD)	U-5961	OSCEOLA STREET TO NIBLICK DRIVE. UPGRADE ROADWAY.	1.0	11600																								
REG																													
"L" FUNDS ARE FROM CITY OF GASTONIA																													
GASTON	NC 279 (NEW HOPE ROAD)	U-5821	SR 2478 (TITMAN ROAD) TO SR 2435 (UNION-NEW HOPE ROAD). WIDEN TO 3-LANES.	3.8	28730	600																							
DIV																													
GASTON	NC 279 (LOWER DALLAS HIGHWAY)	U-5778	INTERSECTION OF NC 279 (LOWER DALLAS HIGHWAY) AND NC 275 (DALLAS STANLEY HIGHWAY). INTERSECTION IMPROVEMENTS		2475	150																							
REG																													
COORDINATE WITH PROJECT U-2523B																													

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GASTON	NC 279	U-2523	NC 7 TO WEST OF NC 275 IN DALLAS. WIDEN TO MULTI-LANES.	3.6	31563	17423																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									</

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									FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS						
BRIDGE PROJECTS																									
LINCOLN	SR 1168 (JOHNSTOWN ROAD)	B-5853 HF	REPLACE BRIDGE 540071 OVER INDIAN CREEK.		2450	30	HFB																		
							HFB																		
CLEVELAND	SR 1207 (McGRAW ROAD)	B-5856 HF	REPLACE BRIDGE 220351 OVER CREEK.		820	50	HFB								R	70									
							HFB																		
CLEVELAND	SR 1314 (ARTEE ROAD)	B-1135 DIV	REPLACE BRIDGE 220139 OVER BEAVERDAM CREEK.		108	108																			
DIVISION PURCHASE ORDER CONTRACT (DPOC) - CONSTRUCTION UNDER 17BP.12.R.33																									
GASTON	SR 1421 (MARYS GROVE CHURCH ROAD)	B-5961 DIV	REPLACE BRIDGE 350097 OVER BRANCH OF MUDDY FORK.		1150		STPOFF																		
							STPOFF																		
CLEVELAND	SR 1504 (SHUFORD LAKE ROAD)	B-5861 HF	REPLACE BRIDGE 220229 OVER GRASSY BRANCH.		690	50	HFB								R	60									
							HFB																		
CLEVELAND	SR 1607 (EASTRIDGE DRIVE)	B-5858 HF	REPLACE BRIDGE 220392 OVER BUFFALO CREEK.		1235	25	HFB								R	110									
							HFB																		
CLEVELAND	SR 1635 (CASAR-BELWOOD ROAD)	B-5863 HF	REPLACE BRIDGE 220165 OVER KNOB CREEK.		1260	50	HFB								R	110									
							HFB																		
CLEVELAND	SR 1641 (BRACKETT ROAD)	B-5392 HF	REPLACE BRIDGE 220201 OVER KNOB CREEK.		1490	150	HFB		R	240															
							HFB																		
CLEVELAND	SR 1662 (WILL DIXON ROAD)	B-5393 HF	REPLACE BRIDGE 220192 OVER MAPLE CREEK.		680	200	HFB		R	5															
							HFB																		
GASTON	SR 1819 (ALEXIS ROAD)	B-4981 HF	REPLACE BRIDGE 350172 OVER HOYLE'S CREEK.		1066		HFB																		
							HFB																		
							HFB																		
GASTON	SR 1909 (KILLIAN ROAD)	B-5535 HF	REPLACE BRIDGE 350198 OVER JOHNSTON CREEK.		1467	92	HFB																		
							HFB																		

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GASTON	SR 1935 (WILLOW SIDE DRIVE)	B-4751	REPLACE BRIDGE 350203 OVER STANLEY CREEK.		1002	1002																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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CLEVELAND	SR 2002 (TOBE BRIDGE ROAD)	B-5390	REPLACE BRIDGE 220031 OVER MUDDY FORK CREEK.		1120	150	HFB	R	45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

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GASTON	NC 279 NC 274	SF-4912H	NC 279, SR 1602 (ASHEBROOK PARK ROAD) TO SR 1630 (DICK BEAM ROAD) AND NC 274, NORTH OF SR 1443 (DAMERON ROAD) TO SOUTH OF SR 1405 (RAMSEUR ROAD). INSTALL RUMBLE STRIPS AND PAVEMENT MARKINGS.		106	106																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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ALEXANDER CATAWBA CLEVELAND GASTON IREDELL LINCOLN	VARIOUS	W-5712	SAFETY IMPROVEMENTS AT VARIOUS LOCATIONS IN DIVISION 12.		2530	430			HSIP	R	30	DIV		R	30	DIV																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

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GASTON CLEVELAND LINCOLN URBAN AREA METROPOLITAN PLANNING ORGANIZATION											TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS																	
COUNTY	ROUTE/CITY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	FY 2017	STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED FUTURE YEARS									
									FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027										
CONGESTION MITIGATION PROJECTS																												
GASTON	CRAMER MOUNTAIN ROAD	C-5623	BALTIMORE DRIVE TO SOUTH NEW HOPE ROAD. CONSTRUCT SIDEWALK.		379	52	CMAQ	R	5																			
							L	R	2																			
							CMAQ																					
							L																					
EX																												
GASTON	CRAMERTON	C-5563	FLEET VEHICLE CONVERSIONS (RETROFIT) TO LPG BI-FUEL.		150		CMAQ	I	120																			
							L	I	30																			
EX																												
GASTON	DALLAS	C-5508	DALLAS-HIGH SHOALS ROAD (OLD US 321), DALLAS CHERRYVILLE HIGHWAY TO PARK ROAD AND EAST ON PARK ROAD TO SAM RHYME COURT. CONSTRUCT SIDEWALKS.		237		CMAQ	C	190																			
							L	C	47																			
EX																												
GASTON	GASTON COUNTY	C-5510	MECKLENBURG COUNTY AIR QUALITY - GRADE (GRANTS TO REPLACE AGING DIESEL ENGINES). REPLACE, REPOWER OR RETROFIT AGING DIESEL VEHICLES AND EQUIPMENT.		141	141																						
							EX																					
							IN PROGRESS																					
GASTON	GASTON COUNTY	C-5622	HIGHLAND BRANCH GREENWAY, PHASE II. CONSTRUCT GREENWAY		400		CMAQ	C	320																			
							L	C	80																			
EX																												
GASTON	GASTONIA	C-5562	BIKE AND PEDESTRIAN IMPROVEMENTS BETWEEN DOWNTOWN AND LINEBERGER PARK.		678	270	CMAQ	C	325																			
							L	C	83																			
EX																												
GASTON	GASTONIA	C-5566	GPS AUTHOMATIC VEHICLE LOCATOR PROGRAM FOR FLEET VEHICLES.		272	192	CMAQ	I	64																			
							L	I	16																			
EX																												
							IN PROGRESS																					
GASTON	GASTONIA	C-5186	GASTONIA CCTV CAMERAS. INSTALL 6 CCTV CAMERAS TO THE EXISTING COMPURIZED TRAFFIC SIGNAL SYSTEM ON I-85 AT NC 7 (OZARK AVENUE); US 29/US 74 AT FRANKLIN SQUARE II; NC 279 (NEW HOPE ROAD) AT OZARK AVENUE; US 321 (CHESTER STREET) AT TULIP DRIVE-BULB AVENUE; NC 274 (BESSEMER CITY ROAD) AT NC 275 (DALLAS-BESSEMER CITY ROAD AND US 274 (UNION ROAD) AT SR 1255 (HUDSON BOULEVARD).		78	78																						
							EX																					
							IN PROGRESS																					
LINCOLN	LINCOLNTON	C-5532	GENERAL BOULEVARD-MAIN STREET PEDESTRIAN IMPROVEMENTS IN LINCOLNTON. CONSTRUCT HIGH VISIBILITY CROSSWALKS, PEDESTRIAN REFUGE ISLANDS AND INSTALL COUNTDOWN TIMERS.		532	38	CMAQ	R	20																			
							L	R	5																			
							CMAQ	C	375																			
							L	C	94																			
EX																												
GASTON	MOUNTAIN STREET	C-5148	SIDEWALKS ALONG MOUNTAIN STREET IN CHERRYVILLE.		266	266																						
							EX																					
							UNDER CONSTRUCTION																					

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AVAILABLE

GASTON CLEVELAND LINCOLN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS

										STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED
COUNTY	ROUTE/CITY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	FY 2017		FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS
CONGESTION MITIGATION PROJECTS																				
GASTON	NC 279 (NEW HOPE ROAD)	C-4934	NC 279 (NEW HOPE ROAD), BURTONWOOD DRIVE TO SR 2466 (GARRISON BOULEVARD) IN GASTONIA. ADD TURN LANE.	0.5	2764	2764														
		EX																		
										UNDER CONSTRUCTION										
AVIATION PROJECTS																				
LINCOLN	LINCOLNTON-LINCOLI COUNTY AIRPORT (IP.	AV-5753	OBSTRUCTION REMOVAL IN RUNWAY 5 APPROACH.		295							R	266							
	DIV											R	29							
LINCOLN	LINCOLNTON-LINCOLI COUNTY AIRPORT (IP.	AV-5755	LAND ACQUISITION FOR RUNWAY 5 APPROACH.		176							R	158							
	DIV											R	18							
CLEVELAND	SHELBY-CLEVELAND COUNTY REGIONAL AIRPORT (EHO)	AV-5849	EXTEND RUNWAY AND TAXIWAY.		6410										C	2884		C	2884	
	DIV														C	321		C	321	
BICYCLE AND PEDESTRIAN PROJECTS																				
GASTON	US 29/74 (EAST FRANKLIN BOULEVARD)	EB-5701	SR 2200 (COX ROAD) TO CITY LIMITS. CONSTRUCT MISSING SIDEWALK ON NORTH SIDE.	1.5	1239															
	DIV																			
GASTON	NC 273 (HIGHLAND STREET)	EB-5791	SR 2044 (TUCKASEEGEE ROAD) TO SUMMIT AVENUE. CONSTRUCT MISSING SIDEWALK ON BOTH SIDES OF ROAD.		429							C	344							
	DIV											C	85							
GASTON	NC 273 (SOUTH MAIN STREET)	EB-5746	SR 2044 (TUCKASEEGE ROAD) TO ROSE STREET. CONSTRUCT SIDEWALKS ON BOTH SIDES OF ROAD.	1.3	610							C	488							
	DIV											C	122							
GASTON	SR 1255 (HUDSON BLVD)	EB-5745	SR 1255 (HUDSON BOULEVARD) FROM SR 2200 (GASTON DAY SCHOOL ROAD) TO SR 2466 (REDBUD DRIVE). SR 2466 (REDBUD DRIVE) FROM SR 1255 (HUDSON BOULEVARD) TO NC 279 (SOUTH NEW HOPE ROAD). CONSTRUCT MISSING SIDEWALK ON ONE SIDE.	1.2	330															
	SR 2466 (REDBUD DR)																			
	DIV																			
												</								

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GASTON CLEVELAND LINCOLN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAKS

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COUNTY	ROUTE/CITY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	FY 2017	STATE TRANSPORTATION IMPROVEMENT PROGRAM					DEVELOPMENTAL PROGRAM					UNFUNDED			
									FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FUTURE YEARS			
PUBLIC TRANSPORTATION PROJECTS																						
GASTON	GASTON COUNTY ACCESS	TQ-6666	CAPITAL		253	253	FEPD															
							L															
							S															
HF																						
GASTON	GASTONIA TRANSIT	TA-5136	ADA VAN REPLACEMENT (3 VANS)		160	160	FUZ															
							L															
							S															
HF																						
GASTON	GASTONIA TRANSIT	TA-5201	BUS REPLACEMENT PROJECT FOR GASTONIA EXPRESS MID-DAY ROUTTE		90	90	CMAQ															
							L															
HF																						
GASTON	GASTONIA TRANSIT	TA-4926	EXPANSION BUS		2984	1742	FUZ					CP	994									
							L				CP	124										
							S				CP	124										
HF																						
GASTON	GASTONIA TRANSIT	TA-5138	BUS REPLACEMENT (3 BUSES)		1225	1225	FUZ															
							L															
							S															
HF																						
GASTON	GASTONIA TRANSIT	TA-5137	SUPERVISOR'S VEHICLE REPLACEMENT		20		FUZ					CP	16									
							L				CP	2										
							S				CP	2										
HF																						
GASTON	GASTONIA TRANSIT	TD-5270	GASTONIA TRANSIT		344	344	FUZ															
							L															
HF																						
GASTON	GASTONIA TRANSIT	TD-5254	FACILITY - PARK & RIDE - GASTON EXP BETWEEN BELMONT AND CHARLOTTE		750	750	CMAQ															
HF																						
GASTON	GASTONIA TRANSIT	TG-5117	ROUTINE CAPITAL - BUS STOP SHELTERS, BENCHES, SHOP EQUIPMENT, SPARE PARTS, ENGINES, FAREBOX, SERVICE VEHICLES, ETC		3751	1688	FUZ	CP	306	CP	312	CP	181	CP	181	CP	181	CP	181			
							L	CP	77	CP	78	CP	45	CP	45	CP	45	CP	45			
HF																						
GASTON	GASTONIA TRANSIT	TG-5117A	PREVENTIVE MAINTENANCE		6375	2330	FUZ	O	408	O	416	O	500	O	500	O	500	O	500			
							L	O	102	O	104	O	125	O	125	O	125	O	125			
HF																						
GASTON	GASTONIA TRANSIT	TG-5117B	ADA SERVICE		6536	1937	FUZ	O	309	O	500	O	500	O	500	O	500	O	500			
							L	O	775	O	125	O	125	O	125	O	125	O	125			
HF																						

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GASTON	GASTONIA TRANSIT	TO-5142	OPERATING ASSISTANCE		16673	10503	FUZ	O	1065																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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COUNTY	ROUTE/CITY	ID NUMBER	LOCATION / DESCRIPTION	LENGTH	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDS	FY 2017	STATE TRANSPORTATION IMPROVEMENT PROGRAM										DEVELOPMENTAL PROGRAM					UNFUNDED																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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GASTON	PIEDMONT AND	P-5200	RAIL CORRIDOR BETWEEN GASTONIA AND MOUNT HOLLY INCLUDING THE BELMONT SPUR. REACTIVATION OF RAIL CORRIDOR.		8797	7897	STPE	R	50	D																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

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2040 MTP Amendments

DRAFT TIP Project	Reason for 2040 MTP Amendment	County	STI Tier	TIP ID	Project Length (mi)	Preliminary ROW Date	Preliminary Construction Date	Programmed Amount (2016-2025)	Current MTP Horizon Year	Recommended MTP Horizon Year
Modify MTP Project Details										
NC 7 Widening (I-85 to US 29/74)	The project is currently identified as Project ID #1 in the 2040 MTP with a project length of 0.37 mi. The STIP shows this project as 0.3 mi and therefore the project needs to be amended in the MTP to reflect the 0.3 mi length.	Gaston	Division	U-3608	0.3	2019	2021	\$4,715,000	2025	No change requested to MTP Horizon Year
NC 279 Widening (NC 7 to west of NC 275 in Dallas)	The project is currently identified as Project ID #22 in the 2040 MTP with a project length of 1.34 mi. The STIP shows this project as 3.6 mi (combining two segments of NC 279) and therefore the project needs to be amended in the MTP to reflect the 3.6 mi length.	Gaston	Regional	U-2523	3.6	2021	2023	\$31,563,000	2025	No change requested to MTP Horizon Year
Add Projects to 2040 MTP										
Washburn Switch Rd and New 3-Lane Road	Project was added to the 2016-2025 STIP at the request of Division 12, but is not in the 2040 MTP.	Cleveland	Division	R-5849			2018	\$1,875,000	N/A	2025
I-85/Cox Rd Interchange Improvements	Project was submitted by Division 12, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Gaston	Statewide	I-5713		2018	2020	\$1,360,000	N/A	2025
NC 16 BUS/Unity Church Rd/Triangle Circle Intersection Improvements	Project was submitted by GCLMPO, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Lincoln	Regional	R-5712		2018	2020	\$1,163,000	N/A	2025
NC 73/NC 16 BUS Intersection Improvements	Project was submitted by GCLMPO, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Lincoln	Regional	R-5710		2021	2023	\$930,000	N/A	2025
NC 73 Widening (NC 16 BUS in Lincoln County to W Catawba Ave in Mecklenburg County)	A portion (2.65 mi) of this project is in GCLMPO. Project was submitted by LNRPO, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Lincoln	Regional	R-5721B	9.1	2021	2021-2024	\$44,200,000	N/A	2025
NC 150 Widening (Relocated NC 16 (TIP Project R-2206) to US 21)	Only 0.2 mi of this project is in GCLMPO. Project was submitted by LNRPO, but is not in the 2040 MTP. Project has funding committed for Seg B in the DRAFT STIP, and due to Seg A being a sibling project, it is not subject to reprioritization in P5.0.	Lincoln	Regional	R-2307A	15.0	2025-2026	Unfunded	\$349,220,000	N/A	2025
US 29 (Franklin Blvd)/NC 274 Intersection Improvements	Project was submitted by GCLMPO, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Gaston	Regional	U-5965		2021	2023	\$3,000,000	N/A	2025
US 74 BUS (Marion St)/NC 150 (Cherryville Rd) Intersection Improvements	Project was submitted by GCLMPO, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Cleveland	Regional	U-5775		2018	2020	\$2,010,000	N/A	2025
US 74 (Wilkinson Blvd)/NC 273 (Park St) Intersection Improvements	Project was submitted by GCLMPO, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Gaston	Regional	U-5959		2021	2023	\$700,000	N/A	2025
US 74 (Dixon Blvd)/NC 226 (Earl Rd) Interchange Improvements	Project was submitted by Division 12, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Cleveland	Statewide	U-5929		2021	2023	\$17,000,000	N/A	2025
NC 7/US 74 and NC 7/US 29 Widening and Interchange Improvements	Project was submitted by GCLMPO, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Gaston	Regional	U-5800		2019	2021	\$565,000	N/A	2025
NC 27 (W Charlotte Ave)/Hawthorne St Intersection Improvements	Project was submitted by GCLMPO, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Gaston	Division	U-5819		2019	2021	\$2,550,000	N/A	2025
NC 279 (Lower Dallas Hwy)/NC 275 (Dallas Stanley Hwy) Intersection Improvements	Project was submitted by GCLMPO, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Gaston	Regional	U-5778		2021	2023	\$2,475,000	N/A	2025
NC 279 (New Hope Rd) Widening (Titman Rd to Union-New Hope Rd)	Project was submitted by GCLMPO, but is not in the 2040 MTP. Project has funding committed in the DRAFT STIP and is not subject to reprioritization in P5.0.	Gaston	Division	U-5821	3.8	2020	2022	\$28,730,000	N/A	2025

Anticipated Adoption: July 27, 2017

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Metrolina Area Transportation Conformity:
Pre-Analysis Consensus Plan (8-Hour Ozone)

April 6, 2017

**Prepared Cooperatively Between the
Charlotte Regional Transportation Planning Organization, Cabarrus Rowan Metropolitan
Planning Organization, the Gaston Cleveland Lincoln Metropolitan Planning Organization and
the Rocky River Rural Planning Organization
North Carolina Department of Transportation
and the
Federal Highway Administration**

**Metrolina Area Transportation Conformity:
Pre-Analysis Consensus Plan
April 6, 2017**

The Charlotte Regional Transportation Planning Organization (CRTPO) and the North Carolina Department of Transportation (NCDOT-representing rural portions of the Metrolina maintenance area) are proposing the following plan and procedures to conduct a transportation conformity analysis. This plan is being submitted to the interagency consultation partners for soliciting consensus before commencement of a full-scale transportation conformity analysis. The plans and procedures may be revised as the MPO's and NCDOT proceed with the analysis. After consensus is reached; notification of changes will be made to the interagency consultation partners.

Metrolina Area MPOs (*for this conformity process*):

- ❑ Charlotte Regional Transportation Planning Organization (CRTPO)
- ❑ Cabarrus Rowan Metropolitan Planning Organization (CRMPO)
- ❑ Gaston Cleveland Lincoln Metropolitan Planning Organization (GCLMPO)

Donut Areas:

- ❑ Rural portion of Union county outside of the MPO area

The following pollutants will be included in this conformity determination:

- ❑ 8-Hour Ozone (8-hour O₃)

Metropolitan Transportation Plan (MTP) and Metropolitan Transportation Improvement Program (MTIP)

1. Existing Land Use and Demographics: For CRTPO, CRMPO, GCLMPO and rural (donut) Union County

Staff collected data as outlined in **Attachment A**. An economist was contracted to produce population, household, and employment estimates in five-year increments from 2010 to 2050 using a top down approach. The Regional partners then applied local knowledge to finalize the county totals in their areas and produce the Traffic Analysis Zone (TAZ) level data and projections.

Data sources include the following:

- 2010 Census data;
- 2010 InfoUSA employment data;
- 2010 Public Use Microdata Sample (PUMS) data
- Bureau of Labor Statistics (BLS) data;
- Bureau of Economic Analysis (BEA) data;
- area school system data;

- building permit data;
- tax data;
- zoning; and
- land use plans

2. MTP Model Validation (Base) Year:
2010

3. MTIP Years: 2018-2022

4. MTP Horizon Year: 2040

5. MTP Travel Demand Intermediate Years:

- a. 2008 O3 Maintenance SIP: 2026 & 2030

6. Transportation Conformity Analysis Years (8-Hour Ozone)

2008 O3 Maintenance SIP

The Table below summarizes transportation conformity analysis methods and years for the different parts of the Metrolina non-attainment/maintenance areas. Specific conformity year information is listed in the following table:

County	Area model status	Area emissions budget status	Emissions analysis source	Emission comparison years		
				2026 ² (modeled)	2030 (modeled)	2040 Horizon (modeled)
Charlotte Region TPO-Rocky River RPO MVEB (all of Mecklenburg and portions of Union and Iredell County in the maintenance area)	Modeled all	2008 8-Hour Ozone Maintenance Plan	MRM ¹	O3	O3	O3
Cabarrus Rowan MPO	Modeled all	2008 8-Hour Ozone Maintenance Plan	MRM ¹	O3	O3	O3
Gaston Cleveland Lincoln MPO	Modeled all	2008 8-Hour Ozone Maintenance Plan	MRM ¹	O3	O3	O3

1. The baseyear of the MRM is 2010
2. 2026 is a SIP MVEB for NOx and VOC

Additional table notes and explanations:

County:

- Ozone: The Metrolina area is maintenance for the 2008 Ozone Standard which consists of 1 whole county and 6 partial counties (Mecklenburg (CRTPO), Union (CRTPO-partial), Union (RRRPO-donut), Gaston (GCLMPO-partial), Cabarrus (CRMPO-partial) Rowan (CRMPO-partial), Lincoln (GCLMPO partial) and Iredell (CRTPO-partial).

**Note: a donut area is an area outside the MPO boundary but within the non-attainment/maintenance area.*

Model Status: Mecklenburg, Union, Cabarrus, Rowan, Gaston, and Lincoln, plus one partial county (Iredell) are completely within the Metrolina Regional Model (MRM) boundary.

Emissions analysis years:

- 2008 8-hour Ozone Standard Maintenance SIP: 2026 (modeled) 2030 (modeled) & 2040 (modeled)

Emission analysis source: The VMT and speeds for the regional emissions analysis (REA) will be derived from the MRM.

Emission Comparison Years:

- Motor Vehicle Emissions Budget Test
 - **2008 8-Hour Ozone Maintenance SIP:** (Gaston-partial, Mecklenburg, Cabarrus-partial, Rowan-partial, Union-partial, Lincoln-partial, and Iredell-partial,)
 - 2026 (modeled-compare to 2026), 2030 (modeled- compare to 2026 MVEB), and 2040 (modeled-compare to 2026 MVEB)

List of Specific Conformity Years

2008 8-Hour Ozone Maintenance SIP

Horizon: 2040

b. 2008 8-Hour Ozone Maintenance SIP MVEB Year: 2014 & 2026

c. Emission comparison years (NOx and VOC): 2026 (modeled), 2030 & 2040

7. Non-attainment / Maintenance Counties:

- 8 Hour Ozone Maintenance Area: Gaston Co. (partial)., Mecklenburg Co., Cabarrus Co. (partial), Rowan Co.(partial), Union Co.(partial), Lincoln (partial), and Iredell Co. (partial)

8. Land-Use Demographics Projections/Forecast:

Land-use demographic projections for the region were developed using both a top-down and bottom-up approach.

An economist was contracted to develop regional and county level population, household, and employment projections for 5-year increments from 2010 to 2050 through a top-down forecasting approach. The economist's forecasting model is based on the metropolitan growth of 43 mid-sized US regions and calibrated to trends and capture rates in the Metrolina region over the past 40 years. Refer to the *METROLINA REGIONAL DEMOGRAPHIC AND ECONOMIC DATA AND DATA FORECASTS (DRAFT REPORT)*, December 12, 2012, by Stephen J. Appold, PhD for more detailed information.

MPO and RPO staff projected population, household, and employment data for 2015, 2025, 2030 and 2035 through a bottom-up forecasting approach. Data inventoried for the base year was used as quantitative inputs to the process of deriving projections. Qualitative inputs to the projections process include future land use plans, building permits data, transportation plans and other capital improvements plans (such as water and sewer extensions and schools construction), and other factors limiting development (such as soils, floodplains, and water supply watershed regulations.) The final qualitative input was "planners' judgment", meaning the collective knowledge of planning officials and staff about the development patterns and development potential of specific areas within their jurisdictions.

Although the top-down approach addresses many factors influencing growth in the region, it does not address change in public policy, the influence of large-scale transportation projects, or natural land constraints. As such, the top-down forecasts were used as a guide when reviewing results from the bottom-up approach but were not used as control totals.

9. Travel Demand Model: Metrolina Regional Model (MRM)

The regional travel demand model is a four-step model developed for a 2-state, 12- county (9 whole, 3 partial) region (refer to Attachment B). The modeling area encompasses 4 MPOs and 1 RPOs.

As described previously, a multitude of land use and demographic data was collected as input into the model. Additional data collected includes transit and highway network data as well as multiple travel surveys. Transit data collected includes routes, headways, and travel times. Refer to Attachment C for the highway network data dictionary. Following is a list of the travel surveys completed:

- 2001 (Freeway) and 2013 (non-freeway) External Travel Survey;
- 2012 Household Travel Survey;
- 2013 On-board Transit Survey of Express and Local Buses and South Corridor Light Rail Transit (LRT) Survey and Counts;
- 2010 Inrix Speed Data; and
- 2010-2012 Vehicle Classification Counts

10. Mode Split / Mode Choice:

The nested logit mode-choice model is structured similar to the Houston-Galveston Area Council's regional travel model. Nesting and mode constants were developed using CATS's on-board ridership survey conducted in 2013.

Transit paths include in-vehicle travel time, out-of-vehicle time (walking / driving and waiting), transfers, and direct cost (fare, parking). Four trip purposes are modeled. For the Home-Based

Work, Home-Based-Other, and Home-Based University trip purposes, the potential transit Council's regional travel model. Nesting and mode constraints were developed using CATS's on-board ridership survey conducted in 2013.

Walk, drive, and drop-off approaches are handled in the nesting structure. Parking is provided at selected suburban stations.

The mode choice model was developed under contract with AECOM Consult

11. Local Street Count & VMT Estimate:

Vehicle miles of travel (VMT) – the sum of the distance that each vehicle travels during a specified period (day, year, etc.) – is the most typical measure of the level of travel in an area. Like most statistics, it is still impossible to actually measure. To do so, *all* vehicles would have to be monitored all day. The most common method of estimating VMT uses traffic counts. We have a large count database from CDOT, NCDOT, and SCDOT including counts from 2000 – 2011. Each count will be factored to the base year (2010). Average Daily Traffic volumes will be factored to Average Weekday volumes. The adjusted base-year weekday counts are then aggregated by County and functional class. The average (mean) volume for each county / functional class will be multiplied by the number of road miles to obtain VMT. For future year estimates, the travel demand model, calibrated to the base year counts and VMT, will provide VMT for thoroughfares ($VMT = \text{assigned volume} * \text{length}$).

Local streets make up 60%-70% of the roadway miles, but a much smaller fraction of VMT. Most serve to accumulate traffic from neighborhoods. The bulk of the trip is then made on thoroughfares (that are modeled). Few local streets are included in the model. Counts are sporadic and usually concentrated on local streets experiencing traffic problems. Many of the local streets are represented by zonal centroid connectors in the model. We will use the centroid connectors times 2 to better approximate actual local VMT. VMT derived with this method compares favorably with local VMT estimated using street miles and assumed volumes. The centroid method provides a better method of relating VMT to high growth TAZs.

12. Rural (Donut) Area Projects

The rural areas do not develop long range transportation plans like the MPOs. The rural area projects that are included in the conformity regional emissions analysis (REA) come from the State TIP. It is NCDOT's position that projects that are in the State TIP and have right of way or construction phases scheduled in the first seven years should be included in the REA. In addition, for rural areas adjacent to an MPO the MPO may extend projects outside their boundary to a logical terminus. The MPO may include the portion outside of their MPO boundary in the financial element of their MTP.

13. VMT Adjustments:

No VMT adjustments are used.

14. Motor Vehicle Emissions Budgets

The Metrolina area is maintenance for the 2008 8-hour ozone standard

- a. 2008 8-Hour Ozone Maintenance SIP MVEBs.

- Ozone: The Metrolina area is a maintenance area for the 2008 Ozone Standard. The Metrolina maintenance SIP was approved on July 28, 2015 with an effective date of August 27, 2015. The maintenance area consists of 1 whole county and 6 partial counties (Mecklenburg (CRTPO), Union (CRTPO-partial), Union (RRRPO-donut), Gaston (GCLMPO-partial), Cabarrus (CRMPO-partial) Rowan (CRMPO-partial), Lincoln (GCLMPO partial) and Iredell (CRMPO-partial). Motor vehicle emissions budgets (MVEBs) were established for three sub-areas within the Metrolina area which are generally defined by MPO jurisdictional boundaries. This conformity determination only applies to the Charlotte Regional TPO-Rocky River RPO sub-area,

2008 8-hour Ozone Maintenance SIP (kilograms/day)

		Charlotte Regional TPO- Rocky River RPO		
		2014	2026	
	NOx	32,679	9,946	
	VOC	18,038	9,690	
		Cabarrus Rowan MPO		
		2014	2026	
	NOx	11,814	3,749	
	VOC	7,173	3,762	
		Gaston Cleveland Lincoln MPO		
		2014	2026	
	NOx	10,079	2,996	
	VOC	5,916	2,755	

15. Control Strategies: Emission reduction credits will be taken for the following on-road mobile SIP commitments or Federal programs. Currently there are no TCMs in the Metrolina Area SIPs.

Strategy

I/M Program

Tier 2/Tier 3 vehicle's Emission Standards

Low Sulfur Gasoline and Diesel fuels

Heavy Duty Vehicle Rules 2004 and 2007

Low RVP Gasoline

On board vapor recovery

Methodology/Approach

Accounted for in the MOVES model

Accounted for in the MOVES model

Accounted for in the MOVES model

Accounted for in the MOVES model

Accounted for in the MOVES model

Accounted for in the MOVES model

16. MOVES Model Settings: The following model-input parameters will be used in the conformity analysis.

- **2008 Eight Hour Ozone Standard Maintenance Area*:** Cabarrus (partial), Gaston (partial), Lincoln (partial), Mecklenburg, Rowan (partial), Union (partial) and Iredell (partial)

MOVES Model (MOVES2014a)

MOVES Model Settings: The following MOVES model-input parameters will be used in the conformity analysis performed by DAQ.

Parameter	Details	Data Source
a. <i>Emissions Model Version(s):</i>	(MOVES2014a) or latest	
b. <i>Emission Model Runs:</i>	Typical Summer Weekday (NOx and VOC)	
c. <i>Evaluation month:</i>	July (NOx and VOC)	
d. <i>Time Periods:</i>	VMT and speeds modeled for 4 daily travel periods (see item #24 below) will be processed according to USEPA guidance to generate hourly speed and VMT distribution data in the required MOVES input formats.	
e. <i>Pollutants Reported:</i>	NOx, VOC	
f. <i>Emissions Budget Years:</i>	2014 and 2026 (NOx and VOC)	
g. <i>Emissions Analysis Years:</i>	2026, 2030 and 2040	
h. <i>Temperature and Relative Humidity:</i>	July 2014 monthly average 24-hour temperature and relative humidity profiles from the Charlotte-Douglas International Airport (KCLT).	
i. <i>Vehicle Classes:</i>	13	
j. <i>VMT mix:</i>	Statewide mix based on 2016 data using the method in the August 2004 USEPA Guidance.	
k. <i>Speed Distribution:</i>	Regional Model MRM16v1.0	
l. <i>Source type (vehicle type) age distribution:</i>	The latest available 2015 vehicle registration data provided by NCDOT, which also includes a breakdown of the number of vehicles by model year, will be used to create the required source type age distribution input file for each county. As per EPA guidance, the source type age distribution will not be projected for future years.	
m. <i>I/M Program:</i>	The following I/M program parameters will apply: compliance rate = 96%, waiver rate = 5% with an exemption for vehicles from the 3 year latest model years.	
n. <i>RVP:</i>	<u>July</u>	9.0 psi for all counties
o. <i>Source Type (vehicle type) Population:</i>	Vehicle population estimates will be developed for each future modeling year based on the latest available 2016 vehicle registration data provided by NCDOT. This data includes the total number of registered vehicles by county, divided into nine source type categories. The data will first be reorganized into thirteen	

source type categories (i.e. passenger cars, light commercial trucks, combination long-haul trucks, etc.) as required for MOVES2014a. These source type population estimates will then be projected for each required modeling year, using the same base and future year-county human population data that were used in the TDM model, according to the following formula:

$$\text{Total Vehicle Population}_{\text{future year}} = \text{Total Vehicle Population}_{\text{base year}} * (\text{Human Population}_{\text{future year}} / \text{Human Population}_{\text{base year}})$$

p. **Strategies:** None

17. Emissions analysis units, conversion factors, significant figures, rounding and truncating conventions:

Units= Kilograms or Grams

Grams to tons conversion factor= Divide x grams by 907184.7 to get tons

Round to 2 decimal places

18. CMAQ Projects: Not Applicable

19. Regionally Significant Projects (Federal and Non Federal): Not Applicable

20. List of Exempt Projects and Non-Regionally Significant Projects (Federally Funded): Not Applicable

21. Conformity Schedule: *(A draft conformity schedule has been developed and is provided as an attachment to this document)*

22. Conformity Determinations: Two organizations will be responsible for making conformity determinations in two distinctive parts of the Metrolina non-attainment/maintenance areas:

- i. The CRTPO within its metropolitan area boundary (MAB) -all of Mecklenburg County and parts of Union and Iredell County
- ii. The CRMPO within its metropolitan area boundary (MAB)
- iii. The GCLMPO within its metropolitan area boundary (MAB) -
- iv. The NCDOT for the rural areas are comprised of the parts of Union County that are outside of any MPO MAB

Each of these responsible organizations must make a conformity determination for its respective area in order for all of the areas to be designated in conformity.

The following resolutions will be needed for this conformity process:

- CRTPO/CRMPO/GCLMPO
 - 2040 MTP amendment adoption
 - 2018-2022 TIP adoption
 - Conformity Determination for the amended 2040 MTP
 - Conformity Determination for the 2018-2022 TIP
- NCDOT Conformity Determination for the donut area of Union

23. Other

□ Any reference to York County in this document has been removed since EPA has made the 8-hour ozone designations. Although a portion of York County, South Carolina was designated as part of the bi-state Charlotte 8-hour ozone nonattainment area, they are allowed to demonstrate transportation conformity independent of the North Carolina portion of this nonattainment area. Therefore, the planning assumptions and methodologies used for the York County, South Carolina portion of this nonattainment area is reflected in a separate transportation conformity determination that is generated by the Rock Hill-Fort Mill Area Transit Study Metropolitan Planning Organization.

- The techniques used for this conformity process are the following:
 - VMT and speed will be done for 4 times of day (the 4 times of days are summed for the regional emissions analysis)
 - 6:30 am - 9:30 am
 - 9:30 am - 3:30 pm
 - 3:30 pm - 6:30 pm
 - 6:30 pm - 6:30 am
 - For the MOVES modeling component the times of day will consist of whole hours and are as follows:
 - 6:00 am – 9:00 am
 - 9:00 am - 3:00 pm
 - 3:00 pm - 6:00 pm
 - 6:00 pm - 6:00 am

Post Office Box 1748
Gastonia, North Carolina 28053
Phone (704) 866-6837

150 South York Street
Gastonia, North Carolina 28052
Fax (704) 869-1960

Agenda Item #11

To: Board Members and Interested Persons
From: Randi P. Gates, AICP, Senior Transportation Planner
Date: May 25, 2017
Subject: 2045 Metropolitan Transportation Plan (MTP) Update

BACKGROUND: The MPO is required to update its long-range transportation plan, known as a Metropolitan Transportation Plan (MTP), by May 2018. This MTP will replace the existing plan, which was adopted in March 2014. This document will detail existing and projected conditions in the three counties, establish goals, objectives, and policies, project and assign fiscal resources, and identify projects to meet objectives of the GCLMPO. Due to our status as Maintenance for Ozone, this plan must be shown to maintain air quality levels.

Prior activities have included:

1. The GCLMPO Board met on March 23, 2017 and reviewed and approved the Draft Goals, Objectives, & Policies for release for public review and comment.
2. The public comment period to solicit projects for the MTP, as well as to receive comments on the Draft Goals, Objectives, and Policies was held from April 1 – April 30, 2017.
3. Three separate public workshop opportunities for the general public to review the Goals, Objectives, and Policies, as well as to comment on the current transportation projects list (from current MTP) and any other projects they feel need to be added for the 2045 MTP Update were held on April 12, April 13, and April 20, 2017.

Upcoming activities include:

1. Approval of the 2045 MTP Goals, Objectives, and Policies at the May TCC and MPO Board meetings.
2. Approval of the 2045 MTP Project Solicitation and Ranking Process at the May TCC and MPO Board meetings.
3. GCLMPO Staff will be ranking projects (all modes) through June 2017.
4. Approval of financial assumptions at the July TCC and MPO Board meetings.
5. Approval of Fiscally Constrained Project List for public comment at the July TCC and MPO Board meetings.
6. 30-day Public Comment Period for Fiscally Constrained Project List will be held August 1 – 30, 2017.
7. Approval of Fiscally Constrained Project List at the September TCC and MPO Board meetings.

TCC ACTION: Recommended approval

ACTIONS REQUESTED:

1. Approve the 2045 MTP Goals, Objectives, and Policies
2. Approve the 2045 MTP Project Solicitation and Ranking Process

ATTACHMENTS:

1. 2045 MTP Goals, Objectives, and Policies
2. DRAFT 2045 MTP Project Solicitation and Ranking Process

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2045 METROPOLITAN TRANSPORTATION PLAN (MTP)

X.X GOALS, OBJECTIVES & POLICIES

The Gaston-Cleveland-Lincoln Metropolitan Planning Organization (GCLMPO) has set goals, policies, and objectives relating to various responsibilities charged to the organization. One goal is to develop and direct a continuing, comprehensive transportation planning process implemented cooperatively with the NCDOT and the communities within the GCLMPO area, in conformance with federal guidelines. In addition, the MPO is responsible for the general review, guidance, and coordination of the transportation planning process, the facilitation and coordination between the various urban area jurisdictions, developing MPO alternative transportation plans, and adopting a Metropolitan Transportation Plan for the Metropolitan Planning Area.

X.X MISSION

The GCLMPO will plan for a system of transportation modes that are consistent with the development and growth desired for the jurisdictions that comprise the GCLMPO. The system of roadway, transit, freight, aviation, bicycle, and pedestrian travel modes will deliver safe and efficient movement of people and goods. The GCLMPO will strive to implement transportation choices and mobility that positively coexist with the natural and built environments and strengthen the economic prosperity of the region, while promoting community safety and health.

Programs and projects recommended for implementation by this Metropolitan Transportation Plan (MTP) were selected through a process that included an assessment of existing travel conditions and a variety of land development and environmental factors. The assessment was based on the Goals and Objectives for the MPO's study area described in the following pages.

X.X GOALS

- Provide a safe, comprehensive, and efficient transportation system that allows the movement of goods and people into, through, and out of each jurisdiction within Gaston, Cleveland and Lincoln counties.
- Improve the quality of life for residents of the Gaston-Cleveland-Lincoln MPO area.
- Provide a transportation system that affords the public with mobility choices including walking, bicycling, aviation, freight, and transit options.
- Provide a transportation system that is sensitive to significant features of the natural and human environment.
- Provide equitable transportation options to low-income and minority neighborhoods.
- Engage the public and stakeholders.
- Provide a fair and equitable distribution of planning services to each member jurisdiction of the GCLMPO.
- Research how new technologies will impact transportation systems.
- Incorporate performance measures for safety, infrastructure condition, congestion reduction, system reliability, freight movement and economic vitality, environmental sustainability, and reduced project delivery delays.
- Improve the resiliency and reliability of the transportation system.

X.X OBJECTIVES

X.X.X Regional Connectivity

Require and promote transportation improvements to better connect Gaston, Cleveland, and Lincoln counties to other counties in the region.

- Promote additional bridge crossings (e.g. Catawba Crossings) and widen existing crossings over the Catawba River to handle increases in traffic in and out of Mecklenburg County.
- Strengthen major GCLMPO municipal, multi-modal connections to the regional transportation network (Gastonia, Lincolnton, Kings Mountain, and Shelby).

X.X.X Land Use

Promote land use patterns that coordinate different uses such as industrial, retail and residential.

- Promote efficient land development that improves both cost benefit and functional efficiency of the MPO's transportation system.
- Utilize regional scenario planning tools to quantify the impact of different transportation choices on development patterns in the MPO study area.
- Evaluate the impact of land use on the transportation system when new development plans are adopted and policy decisions are made.
- Promote and implement Context Sensitive Solutions, taking into consideration safety, health, mobility, community, and environmental goals in all projects.

X.X.X Streets and Highways

Develop an efficient street and highway network capable of providing an appropriate level of service for a variety of transportation modes.

- Develop streets and highways in a manner consistent with adopted land use plans.
- Improve access to city and town centers.
- Enhance mobility by increasing the connectivity of the existing street network, which will better connect people to education, healthcare, job and recreation centers.
- Develop streets and highways that serve regional transportation needs in a manner which minimizes travel times and distances.
- Support highway improvements and congestion relief projects to support freight movement and commuter needs.
- Optimize the inter-city, inter-regional and intra-regional capacities of major transportation corridors
- Consider and incorporate all modes of transportation when building new projects or making improvements to existing infrastructure (Complete Streets) in order to provide the transportation options needed to serve the community and complement the context of the area.
- Develop visually attractive corridors.
- Plan for projects that help minimize crash potential and severity.

- Incorporate sidewalks and bicycle facilities into the design and construction of roadways to accommodate and encourage pedestrian and bicycle travel.
- Efficiently manage the existing transportation system to reduce delay and congestion caused by weather events and incidents, and by implementing Intelligent Transportation Systems (ITS) and relatively low-cost improvements such as signalization improvements and Travel Demand Management.
- Ensure that all planning studies and design standards for future facilities, where practicable, incorporate specific features that are known to reduce crashes, fatalities, or injuries.
- Improve access to all modes in the transportation system to promote active transportation.
- Require right-of-way dedication, and/or payments in lieu of construction, and/or installation of transportation improvements when warranted for new development.
- Consider how future technology will impact the future transportation system.

X.X.X Public Transportation

Promote an integrated multimodal local and regional public transit system.

- Promote a safe, efficient and diverse public transportation system that is accessible to various segments of the population.
- Support safe and efficient scheduled transit service that minimizes travel times and distances.
- Encourage collaboration between the various public transportation systems in the MPO area to enhance transportation options for all citizens.
- Support the use of land density criteria for transit centers and corridors.
- Support programs and incentives that encourage ridesharing and/or eliminate barriers thereto.
- Enhance the visibility and public image of the fixed-route, inter-city, and community transportation systems.
- Support effective paratransit for the elderly, disabled, and transportation disadvantaged populations with convenient transportation to needed services.
- Reserve designated rail and transit corridors for future needs.
- Consider alternative transportation solutions to relieve congestion and accommodate customer choice for movement of people, goods, and freight in high-growth corridors.
- Support ridesharing programs, park-and-ride programs, telecommuting programs, and transit benefit programs to increase peak-period travel options and reduce the rate of growth of vehicle miles traveled.
- Support improved technology for the various public transportation systems, including: scheduling and dispatching software, Automatic Vehicle Location (AVL) systems, Transit Automated Voice Annunciator Systems, Automatic Passenger Counting Systems (APC), Interactive Voice Response (IVR), and the addition of fare card readers.
- Improve routes leading to transit stops so they are safer and more accessible for bicyclists and pedestrians and encourage the installation of bike racks on all buses.

X.X.X Pedestrian & Bicycle Transportation

Develop a transportation system that integrates pedestrian and bicycle modes of transportation with motor vehicle transportation and encourages the use of walking and bicycling as alternative modes.

- Increase the design sensitivity of specific transportation projects to the needs of pedestrians and bicyclists.
- Assist the development of pedestrian and bikeway systems for both recreation and transportation purposes.
- Improve the transportation system to accommodate pedestrian and bicycle access along roadways through design and facility standards.
- Increase pedestrian and bicycle safety through public awareness programs.
- Advocate for linkages for pedestrians and/or bicyclists between neighborhoods, employment centers, services, cultural facilities, schools, parks, businesses, and other important destinations.
- Incorporate appropriate sidewalk, crosswalk, signalization and greenway/trail facilities, and support Safe Routes to School-based strategies including Evaluation and Planning, that accommodate active transportation to and from schools; particularly when considering new school construction and when developing projects within 1-mile of existing schools.
- Improve bicycle and pedestrian access to transit.

X.X.X Rail and Air Transportation

Maximize rail and air transportation opportunities.

- Support expansion opportunities for the Charlotte Douglas International Airport that will increase the attractiveness of the airport as a major passenger and intermodal facility.
- Support the GCLMPO's airports' ongoing long range planning functions.
- Promote future opportunities for inter-regional mobility with enhancements to inter-city rail service and the provision of high-speed rail service.
- Support airport expansions in Gaston, Cleveland and Lincoln counties.
- Support economic development in the GCLMPO area.

X.X.X Freight & Goods Movement

Support and promote a freight transportation system which supports the movement of goods.

- Develop, integrate, and support a freight transportation system that supports the region's position as a major freight hub via a network of highways, railroads and airports.
- Develop streets and highways that are accessible to and compatible with multiple modes of transportation.
- Promote coordination among transportation modes through the establishment of intermodal facilities.
- Identify opportunities to share rail corridors with transit.
- Support expansion opportunities at Charlotte Douglas International Airport that increase the attractiveness of the airport as a major cargo facility.
- Promote safe routes, with minimal urban exposure, for the transport of hazardous materials.

- Plan for truck routes that minimize exposure to neighborhoods and to historic and cultural resources.
- Identify and build high-impact projects that connect transportation modes seamlessly so that people and freight can move efficiently around and through the region.
- Encourage land use planning that supports and promotes the efficient movement of freight.
- Consider freight impacts on existing infrastructure.
- Identify existing transportation projects with freight impact.
- Promote competitive freight options by improving existing transportation facilities in strategic corridors.
- Formulate a relationship between the private and public sectors to leverage available public and private revenue resources.

X.X.X The Environment

X.X.Xa Physical

Develop a transportation system that preserves and coexists with the natural and built environments.

- Develop transportation systems and programs that maintain or improve air quality.
- Design transportation facilities that minimize transmission of traffic noise to surrounding properties.
- Design transportation systems and facilities that preserve and complement the area's natural features.
- Plan transportation facilities that reinforce the community's standard of appearance.
- Plan transportation facilities that minimize neighborhood disruption and related impacts.
- Designate safe routes with minimal urban exposure for the transport of hazardous materials.
- Designate truck routes that minimize exposure to neighborhoods and historic and cultural resources.
- Identify, protect, and/or acquire future right-of-way as early as possible to minimize negative impacts on communities and the natural environment.
- Reduce the impact of transportation facilities on water quality, watersheds, and ecosystems, working to identify and avoid or mitigate impacts to irreplaceable natural resources.

X.X.Xb Human

Develop a transportation system that is designed to support and improve community health.

- Encourage transportation and land-use planning policies, such as a Complete Streets policy, that support healthy and active communities.
- Establish performance measures to promote safe, affordable and equitable public transit and alternative modes of transportation such as walking and cycling.
- Use health impact assessments to inform and guide transportation policy, projects and planning.
- Foster the participation of local communities and underserved populations in all stages of the transportation planning and development process.

- Support community-based transportation programs and services that promote health and provide access to healthy food and water, affordable housing, employment, schools, health care and recreation.
- Fund programs that expand transportation options for disadvantaged populations and people with disabilities, and that promote safe, convenient transportation options for children and seniors.
- Design and construct multi-modal transportation systems to meet the needs of users of all ages and abilities, including those in rural areas.
- Collect data and fund research to evaluate how transportation and planning policies affect public health and health equity.
- Support reductions in transportation-related emissions and greenhouse gases.
- Increase vehicle, motorist, passenger, cyclist and pedestrian safety.

X.X.X Financial

Make investment decisions for transportation modes that make the most efficient and effective use of limited public resources.

- Maximize cost-benefit ratio on transportation projects.
- Develop transportation projects that enhance the local and regional economies.
- Emphasize cost-effectiveness in project prioritizations.
- Build new and stronger partnerships, public and private, to develop and finance transportation projects that maximize public investments and support community and regional growth strategies.

X.X.X Public Involvement

Actively engage the public and regional stakeholders in all phases of planning.

- Provide meaningful opportunities for public involvement in the transportation planning process.
- Actively engage minority and disadvantaged communities in identifying transportation needs, developing alternative strategies to meet those needs, and implementing solutions that are affordable and sensitive to a community's heritage and supportive of local economic institutions.
- Coordinate transportation investment strategies with other state agencies to support balanced economic growth across the Metrolina Region with particular focus on tourism and similar industries that are highly dependent on the transportation system.

X.X POLICIES

- X.X.X The GCLMPO will research develop and implement tools to improve and enhance the comprehensive transportation system.
- X.X.X The GCLMPO will research, develop and implement tools to improve and enhance the street and highway system.

- X.X.X The GCLMPO will research, develop and implement tools to improve, enhance, and link public transportation systems in the area.
- X.X.X The GCLMPO will research, develop and implement tools to improve and enhance the bicycle and pedestrian system.
- X.X.X The GCLMPO will research, develop and implement tools to improve and enhance the rail and access to aviation systems.
- X.X.X The GCLMPO will research, develop and implement tools to improve and enhance the environment.
- X.X.X The GCLMPO will research, develop and implement tools to improve and enhance the movement of freight and goods into and out of the area.
- X.X.X The GCLMPO will research, develop and implement tools to improve and enhance public participation in the transportation planning process.

Anticipated Adoption: May 25, 2017

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Gaston-Cleveland-Lincoln MPO
2045 Metropolitan Transportation Plan (MTP)
Project Solicitation and Ranking Process

Anticipated Adoption Date: May 25, 2017

The **Metropolitan Transportation Plan (MTP)** for the GCLMPO is the locally-adopted, fiscally-constrained, long-range transportation plan for Cleveland, Gaston, and Lincoln counties. The MTP is also a comprehensive plan that defines the multi-modal transportation network that will serve both present and projected volumes of vehicular traffic, public transportation use, bicycle, pedestrian, aviation and freight travel in and around the urban area. The MTP is based on the most accurate and complete information available including, but not limited to, population and economic development growth and land development patterns in and around the urban area.

Schedule

Call for Projects: The MPO solicited candidate projects for 30 days in April 2017. The results of this call for projects will be presented to the MPO Board at its July 2017 meeting.

Project Ranking Timeline: Upon approval of the ranking methodology set forth in this document, MPO staff will evaluate candidate projects for the three counties in June 2017 and will present a draft fiscally constrained project list to the TCC and MPO Board at their July 2017 meetings.

Public Comment Period: Upon the MPO Board's approval of the fiscally constrained project list at their July 2017 meeting, a public comment period will be held for 30 days in August 2017.

Public Input Process

Project Solicitation: The MPO announced a 30-day project solicitation period to all member governments and interested persons. The MPO issued press releases in newspapers of general circulation in Cleveland, Gaston, and Lincoln counties soliciting candidate projects. The MPO also held a public input session in each of the three counties in April 2017. Information regarding the public input sessions and this solicitation period was also advertised through the MPO website.

Ranking Process

Regional Level Highway Projects: All NC routes, US 29, and US 74 east of I-85 in Gaston County are found on the Regional Level. These highway projects will be evaluated by the criteria and scoring as detailed in the following table:

Regional Level Highway Projects (Max Total Score: 110 points)					
Criteria	0 points	5 points	10 points	15 points	20 points
Existing Congestion (20 max)	Volume to capacity less than 0.6	Volume to capacity btw 0.6 and 0.85	Volume to capacity btw 0.86 and 1.0	Volume to capacity btw 1.01 and 1.1	Volume to capacity over 1.1
Existing Safety (20 max)	SPOT safety points less than 30	SPOT safety points btw 31-50	SPOT safety points btw 51-65	SPOT safety points btw 66-80	SPOT safety points over 80
Cost-Effectiveness (15 max)	Cost per vehicle/equivalent greater than \$1,500 per mile	Cost per vehicle/equivalent btw \$1,000-\$1,500 per mile	Cost per vehicle/equivalent btw \$500-\$999 per mile	Cost per vehicle/equivalent less than \$499 per mile	-----
Freight Volume (10 max)	Less than 500 trucks/equivalent per day	Btw 500-1,000 trucks/equivalent per day	More than 1,000 trucks/equivalent per day	-----	-----
Transportation Plan Consistency (10 max)	Project is not in the CTP	Project type, such as intersections, not considered in plans	Project is in the CTP	-----	-----
Cost (10 max)	Cost over \$50 million	Cost \$25-49 million	Cost less than \$25 million	-----	-----
Multimodal Accommodation (5 max)	Project does not include bike/ped/transit/rail facilities	Project includes bike/ped/transit/rail facilities	-----	-----	-----
Supports Environmental Justice (EJ) (5 max)	Project adds capacity or accessibility where growth is not encouraged	Project adds new capacity or accessibility in support of EJ	-----	-----	-----
Supports Land Use (5 max)	Project could negatively impact the land use of the area and does not support an adopted Land Use Plan	Project will have no impact or make positive improvements to the area's land use and supports an adopted Land Use Plan	-----	-----	-----
Supports Economic Development (5 max)	Project does not support economic development	Project supports economic development	-----	-----	-----
Local Funding Contribution (5 max)	No local funding	At least 5% local funding of total project cost (or 25% for locally-administered projects)	-----	-----	-----

Division Level Highway Projects: All highway projects on SR roads and local roads will be evaluated by the criteria and scoring as detailed in the following table:

Division Level Highway Projects (Max Total Score: 105 points)					
Criteria	0 points	5 points	10 points	15 points	20 points
Existing Lack of Capacity (20 max)	Volume to capacity less than 0.5 (roads and rail), existing facilities available (other modes)	X	Volume to capacity btw 0.51 and 0.75 (roads and rail), intermittent or incomplete facilities/transit available (other modes)	X	Volume to capacity over 0.75 (roads and rail), no facilities/transit available (other modes)
Cost-Effectiveness (20 max)	Cost per daily user greater than \$4,000 per user per mile	Cost per daily user btw \$2,000-\$4,000 per user per mile	Cost per daily user btw \$1,500-\$1,999 per user per mile	Cost per daily user btw \$1,000-\$1,499 per user per mile	Cost per daily user less than \$999 per user per mile
Total Cost (10 max)	Cost over \$10 million	Cost \$5-10 million	Cost less than \$5 million	-----	-----
Plan Consistency (10 max)	Project is not in an adopted land use, transportation, transit or other plan	Intersections not improving recommended corridors	Project supports an adopted land use, transportation, transit or other plan	-----	-----
Project Readiness (10 max)	Significant ROW, EJ or environmental impacts	Moderate ROW, EJ or environmental impacts	No ROW, EJ or environmental impacts	-----	-----
Multimodal Accommodation (10 max)	Project does not include bike/ped/transit/ rail facilities	X	Project includes bike/ped/transit/ rail facilities	-----	-----
Supports Environmental Justice (EJ) (5 max)	Project adds capacity or accessibility where growth is not encouraged	Project adds new capacity or accessibility in support of EJ	-----	-----	-----
Supports Land Use (5 max)	Project could negatively impact the land use of the area and does not support an adopted Land Use Plan	Project will have no impact or will make positive improvements to the area's land use and supports an adopted Land Use Plan	-----	-----	-----
Supports Economic Development (5 max)	Project does not support economic development	Project supports economic development	-----	-----	-----
Local Funding Contribution (10 max)	No local funding	At least 5% local funding of total project cost (or 25% for locally-administered projects)	At least 10% local funding of total project cost (or 30% for locally-administered projects)	-----	-----

Division Level Bicycle/Pedestrian Projects: The ranking criteria for bicycle/pedestrian projects for the 2045 MTP are illustrated in the table below. It is important to note that all future bicycle and pedestrian projects submitted to the MPO for State funding must be specifically identified in a locally-adopted bicycle plan, pedestrian plan, greenway/multi-use plan, or Safe Routes to School Action Plan.

MTP Bicycle/Pedestrian Project Ranking Criteria

Measure	Points Possible
Safety	20
Connectivity	20
Residential and Employment Density	20
Benefit/Cost	20
Social Equity	10
Constructability	10
Total	100

Safety Measure (20 points possible)

- Bike/Pedestrian Crashes (Up to 10 points)
 - o Bicycle or pedestrian crashes within last 5 years along the corridor. For multi-use projects, both bike and pedestrian crash data will be used. For new, off-road facilities, crash data for parallel routes will be used.
 - 5 or more crashes – 10 points
 - 4 crashes – 8 points
 - 3 crashes – 6 points
 - 2 crashes – 4 points
 - 1 crash – 2 points
- Posted Speed Limits (Up to 10 points)
 - 55 and over – 10 points
 - 40 to 50 – 5 points
 - 30 to 40 – 2.5 points
 - 25 – 1 point

Connectivity Measure (20 points possible)

- Destination Type (up to 10 points)
 - o Primary centers: municipal/transit center, employment center, schools, universities, mixed-use commercial, parks, high-density residential/multi-family (1 point each, maximum of 7 points)
 - o Secondary centers: lower-density residential developments, fixed-guideway facilities, minor employment centers, municipal building, national/state tourist destinations, sports venue (0.5 points each, maximum of 3 points)
- Distance to Prime Destination (Up to 10 points)
 - o Pedestrian
 - Points calculated on a scale for distances up to 0.5 miles. Pedestrian facilities further

than 0.5 miles to destination receive 0 points. Formula = $10 - [(Distance\ in\ miles / 0.5\ miles) * 10]$

- Bicycle
 - Points calculated on a scale for distances up to 1.5 miles. Bicycle facilities further than 1.5 miles to destination receive 0 points. Formula = $10 - [(Distance\ in\ miles / 1.5\ miles) * 10]$

Residential and Employment Density Measure (20 points possible)

- Residents per Square Mile (Up to 10 points)
 - Points calculated on a scale using a radial 0.5 mile buffer for pedestrian facilities and 1.5 miles for bicycle facilities. Formula = $[(buffered\ population / buffered\ area) / 1000] * 3$. Population data is from 2010 Census block data.
- Employees per Square Mile (Up to 10 points)
 - Points calculated on a scale using a radial 0.5 mile buffer for pedestrian facilities and 1.5 miles for bicycle facilities. Formula = $[(buffered\ population / buffered\ area) / 1000] * 3$. Population data is from 2010 Local Employment Dynamics block data.

Benefit/Cost Measure (20 points possible)

- Formula = $(Accessibility\ Points + Residential\ and\ Employment\ Density\ Points) / (Estimated\ Project\ Cost / \$100,000)$
 - Value of 8 or higher – 20 points
 - Value between 6 and 8 – 15 points
 - Value between 4 and 6 – 10 points
 - Value between 2 and 4 – 5 points
 - Value between 1 and 2 – 2.5 points
 - Value under 1 – no point

Social Equity Measure (10 points possible)

- Points calculated in this measure are calculated on a scale using a radial 0.5 mile buffer for pedestrian facilities and a radial 1.5 mile buffer for bicycle projects. Block group data from the American Community Survey is the source.
 - Households below Poverty Rate per Square Mile (Up to 4 points)
 - Formula = $(buffered\ number\ of\ households / buffered\ area) / 250$.
 - Households without Access to a Vehicle per Square Mile (Up to 3 points)
 - Formula = $(buffered\ number\ of\ households / buffered\ area) / 50$.
 - Density of Residents aged 5 to 14 and 65 and older (Up to 3 points)
 - Formula = $(buffered\ population / buffered\ area) / 250$.

Constructability Measure (10 points possible)

- Estimated Right-of-Way Acquired (Up to 5 points)
 - 100% - 5 points
 - At least 75% - 2.5 points
- Preliminary Engineering/Project Design (Up to 2.5 points)

- Completed PE/Design receives 2.5 points
- Estimated Environmental Documentation Required (Up to 2.5 points)
 - Categorical Exclusion I/II – 2.5 points
 - Environmental Assessment – 1 point
 - EIS – 0 points

Destination Definitions for Bicycle/Pedestrian Projects

Major Centers

municipal center- local, state or federal government building or site including a council or judicial chamber, such as a town hall or courthouse

transit station- hub or main terminal for fixed-route or passenger rail service

major employment center – contiguous property(s) which have businesses employing 50 or more part- time or full-time employees; or property(s) within a designated Central Business District or town center

mixed use commercial – contiguous property(s) developed with a vertical or horizontal mix of land uses

university or college – building or campus associated with a public or private secondary school institution

schools – any public or private school for primary education or pre-school education

parks – any locally owned and managed public park or recreation center

multi-family residential (high-density) – contiguous property(s) that have a collective gross density of 8 multi-family units/acre or more, approved building permits may be included within the total (Note: threshold figure is an averaged measure developed through review of typical land use/development policies/ordinances.)

high-density residential (high-density) – contiguous property(s) that have a collective gross density of 4 single-family housing units/acre or more, approved building permits may be included within the total (Note: threshold figure is an averaged measure developed through review of typical land use/development policies/ordinances.)

Secondary Centers

minor employment center - contiguous property(s) which have businesses employing fewer than 50 part-time or full-time employees

municipal site – local, county, state or federal government office or property not including council or judicial chambers, such as a police station, fairgrounds, or state agency regional office

fixed-guideway and fixed-route systems – any part of a route providing for fixed-route services (buses, light-rail or commuter rail), including bus stops and park-n-ride lots

multi-family residential community (low-density) – contiguous property(s) that have a collective gross density of less than 8 multi-family units/acre, approved building permits may be included within the total (Note: threshold figure is an averaged measure developed through review of typical land use/development policies/ordinances.)

residential neighborhood (low-density) – contiguous property(s) that have a collective gross density of fewer than 4 single-family housing units/acre, approved building permits may be included within the total (Note: threshold figure is an averaged measure developed through review of typical land use/development policies/ordinances.)

tourist destinations- any designated historic property or district (local, state or national) with a publicly accessible visitor’s center; any publicly-accessible park or property managed by the NC Department of Environment and Natural Resources or NC Department of Cultural Resources; any publicly accessible park or property managed by the US Department of the Interior or US Department of Agriculture

arts, entertainment or sports venue- any property(s) developed as a major sporting (professional, semi-professional or post-secondary team facility) or entertainment venue. (Note: for post-secondary facilities, project may select this destination type category or university/college destination type category, but not both.)

other local destination – churches or medical offices

Division Level Aviation Projects: All aviation projects will be evaluated by the criteria and scoring as detailed in the following table:

Aviation Projects (Max Total Score: 100 points)					
Criteria	0 points	5 points	10 points	15 points	20 points
Economic Development (20 max)	Does not improve aircraft size capacity or space availability for based aircraft	X	X	Increases capacity for heavier aircraft and/or increases space available for new based aircraft	Creates capacity for larger aircraft and/or creates employment
Safety (20 max)	No safety improvements	X	Improves safety requirements outside of the runway and taxiway areas	Improves taxiway/taxilane safety area grades and obstacle free zones	Improves required runway safety area grades and runway approach obstruction clearing
Cost of Project (20 max)	Total Project Cost is greater than \$500,000	X	Total Project Cost is between \$250,000 and \$499,999	X	Total Project Cost is less than \$250,000
Local Funding Contribution (10 max)	No local match above the required 10%	Local match exceeds the minimum requirement of 10% and is between 11-19%	Local match exceeds the minimum requirement by at least 20% of project cost	-----	-----
Plan Consistency (20 max)	Project is not in an adopted plan	X	Project is included in the adopted MTP OR local aviation plan	X	Project is included in the adopted MTP AND local aviation plan
Project Readiness (10 max)	Significant ROW, EJ and/or environmental impacts	Moderate ROW, EJ and/or environmental impacts	No ROW, EJ or environmental impacts	-----	-----

Division Level Public Transportation Projects: Public transportation projects will be evaluated by the criteria and scoring as detailed in the following table. The following public transportation projects will be scored:

- **Operations** – includes funding for administration of a system, as well as maintenance and operation of a transit system.
- **Expansion Vehicles** – project types are focused on increasing efficiency. Example projects include:
 - New bus routes and/or services (demand response, headway reductions)
 - Purchase of new buses or vans
- **Facilities** – project types are focused on replacing, improving, or constructing new transit-related facilities. Examples of projects include:
 - Transit-related facilities
 - Park and Ride Lots
 - Bus Shelters

Public Transportation Projects (Max Total Score: 100 points)					
Criteria	0 points	5 points	10 points	15 points	20 points
Interagency Coordination (10 max)	Project does not involve more than one transit/municipal agency	X	Project involves two or more transit/municipal agencies	-----	-----
Ridership Impact (15 max)	Project does not increase or has no impact on ridership	Project increases ridership by 0-5%	Project increases ridership by 5.1-10%	Project increases ridership by more than 10%	-----
Capacity Impact (15 max)	Project does not decrease headway or increase frequency on an existing transit route that is near or at capacity	X	X	Project decreases headway or increases frequency on an existing transit route that is near or at capacity	-----
Serves Activity Center(s) (10 max)	Project does not serve an activity center	X	Project does serve activity center(s)	-----	-----
Multimodal Accommodation (10 max)	Project does not include bike/ped facilities	X	Project includes bike/ped facilities	-----	-----
Plan Consistency (20 max)	Project is not in an adopted plan	X	Project is included in the adopted MTP OR local transit plan	X	Project is included in the adopted MTP AND local transit plan
Local Support (5 max)	Project does not have local support as evidenced by public input or elected Board support	Project does have local support as evidenced by public input or elected Board support	-----	-----	-----
Local Funding Contribution (15 max)	No local match above the required 10%	Local match exceeds the minimum requirement of 10% and is between 11-19%	X	Local match exceeds the minimum requirement by at least 20% of project cost	X

Post Office Box 1748
Gastonia, North Carolina 28053
Phone (704) 866-6837

150 South York Street
Gastonia, North Carolina 28052
Fax (704) 869-1960

Agenda Item #12

To: Board Members and Interested Persons
From: James H. Graham, Jr., AICP, Principal Transportation Planner
Date: May 25, 2017
Subject: Catawba Crossings Resolution of Support

BACKGROUND: For several years, regional discussions have taken place regarding the need for an additional bridge in southeast Gaston County to provide additional connectivity to Mecklenburg County. The Catawba Crossings project as proposed is aptly named as it transverses both the Catawba River and the South Fork Catawba River beginning at NC 279 (New Hope Road) in Gaston County to West Boulevard at Interstate - 485 in Mecklenburg County.

Catawba Crossings will provide much needed traffic congestion relief for commuters in both North and South Carolina and will offer positive economic growth for Gastonia and Gaston County. It is critical that Gaston County have a direct connection to the emerging economic center at the River District development in Mecklenburg County.

The Catawba Crossings project is a major project in the Charlotte Metropolitan Region and should be appropriately ranked and prioritized as a Regional Tier project in P5.0. The Strategic Transportation Investments Law (STI) mandates that the Catawba Crossings project must have an assigned US Route or NC Route number to be ranked and prioritized as a Regional Tier project.

Due to the length of the Catawba Crossings project and the difficulties of obtaining a new NC Route number via section TE-PR-3 of the *Standard Practice for NC Route Designations*, GCLMPO staff supports working with NCDOT to designate Catawba Crossings as either NC 273 or NC 279, essentially re-routing either NC 273 or NC 279 to follow the Catawba Crossings alignment. Along with the route designation, as a congestion reliever for multiple highways and interstates, the Catawba Crossings project should be compared to not only US 29/74, but also I-85 in P5.0.

The Resolution of Support being presented includes some suggested edits from the version that was presented and approved by the TCC. Following the TCC meeting, staff participated in discussions with both the Charlotte Regional Transportation Planning Organization (CRTPO) and NCDOT's Transportation Planning Branch (TPB) and feel that these minor revisions are needed to strengthen the Resolution and correct some minor errors.

ICC ACTION: Recommended approval

ACTION REQUESTED: Discuss and approve a Resolution of Support for the Designation of Catawba Crossings as an Existing NC Route

ATTACHMENTS:

1. Resolution of Support for the Designation of Catawba Crossings as an Existing NC Route

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**RESOLUTION OF SUPPORT FOR THE DESIGNATION OF
CATAWBA CROSSINGS AS ~~NC 273 OR NC 279~~ AN EXISTING NC
ROUTE (NC 273, NC 279, or NC 160)**

WHEREAS, the Gaston-Cleveland-Lincoln Metropolitan Planning Organization (GCLMPO) Board is the duly recognized decision making body of the 3-C transportation planning process for the GCLMPO; and

WHEREAS, The Catawba Crossings project is a proposed new location roadway running from NC 279 (S. New Hope Road) in southern Gaston County crossing both the South Fork of the Catawba and Catawba Rivers and connecting to I-485 in Mecklenburg County; and

WHEREAS, the GCLMPO Board has deemed the Catawba Crossings project to be a priority roadway project for the GCLMPO region in both its Comprehensive Transportation Plan (CTP) and Metropolitan Transportation Plan (MTP); and

WHEREAS, ~~both the GCLMPO and the Charlotte Regional Transportation Planning Organization (CRTPO) lists the Catawba Crossings Project in their respective long-range Metropolitan Transportation Plans (MTP) and Comprehensive Transportation Plans (CTP)~~; and

WHEREAS, the major thoroughfare project as proposed will provide much needed traffic congestion relief for commuters in Gaston County and both North and South Carolina as well as provide positive economic growth for Gastonia and Gaston County; and

WHEREAS, it is critical that Gaston County have an additional connection to I-485, Charlotte-Douglas International Airport, and a direct connection to the proposed emerging economic center at the River District development in Mecklenburg County; and

WHEREAS, limited crossings of the Catawba River are constraining travel between Gaston and Mecklenburg Counties and there are only four crossings of the river, with none of them located in the southern half of Gaston County; and

WHEREAS, south of I-85 and US 29/74 in Gaston County, a lack of connecting east-west roadways makes travel circuitous and limits mobility for travel in southern Gaston County; and

WHEREAS, a review of the tax parcel data shows that from 2000 to 2016, the number of residences and commercial developments in southern Gaston County and western Mecklenburg County has increased approximately 35 percent; and

WHEREAS, the projected growth in southern Gaston County and western Mecklenburg County will continue to increase demands for accessibility and connectivity between the two counties; and

WHEREAS, the Draft 2018-2027 STIP includes the widening of I-85 through Gaston County, but there will still be a need for an additional crossing to connect to I-485 in order alleviate the congestion on I-85; and

WHEREAS, the Catawba Crossings project is a major project in the Charlotte Metropolitan Region and should be appropriately ranked and prioritized as a Regional Tier project in P5.0; and

WHEREAS, the Strategic Transportation Investments Law (STI) mandates that the Catawba Crossings project must have an assigned US Route or NC Route number to be ranked and prioritized as a Regional Tier project in P5.0; and

WHEREAS, the GCLMPO supports working with NCDOT to designate Catawba Crossings as ~~either NC 273 or NC 279, essentially re-routing either NC 273 or NC 279 to follow the Catawba Crossings alignment~~ an existing NC Route; and

WHEREAS, when the Catawba Crossings project is complete, the current NC Route could be assigned a secondary route number; and

WHEREAS, as a congestion reliever for multiple highways and interstates, the Catawba Crossings project should be compared to not only US 29/74, but also I-85 in P5.0; and

NOW THEREFORE BE IT RESOLVED, that the Gaston-Cleveland-Lincoln Metropolitan Planning Organization fully supports the Catawba Crossings project, and supports the designation of Catawba Crossings as ~~either an existing NC Route such as NC 273, or NC 279,~~ or NC 160.

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

I, **Todd Pierceall**, Chairperson of the Gaston-Cleveland-Lincoln Metropolitan Planning Organization Board, do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Board, duly held on the 25th day of May 2017.

Todd Pierceall, Board Chairperson
Gaston-Cleveland-Lincoln Metropolitan Planning Organization

ATTESTED:

James H. Graham, Jr., AICP, Principal Transportation Planner
GCLMPO Coordinator

North Carolina
Gaston County

I, _____, a Notary Public for said County and State, do hereby certify that **Todd Pierceall** personally appeared before me on this the _____ day of _____ 2017, and acknowledge the due execution of the foregoing instrument.

Witness my hand and official seal, this the _____ day of _____, 2017.

Notary Public

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Post Office Box 1748
Gastonia, North Carolina 28053
Phone (704) 866-6837

150 South York Street
Gastonia, North Carolina 28052
Fax (704) 869-1960

Agenda Item #13a

To: Board Members and Interested Persons
From: James H. Graham, Jr., AICP, Principal Transportation Planner
Date: May 25, 2017
Subject: MPO Planning Rule Repealed

The US House of Representatives overwhelmingly passed S. 496 by a vote of 417-3 on April 27, 2017. The bill repeals the USDOT rule entitled "Metropolitan Planning Organization Coordination and Planning Area Reform" thereby keeping decision-making authority for metropolitan transportation improvements at the local level. The final rule would have forced MPOs in the same planning area to produce a single long-term transportation plan, agree to one list of transportation projects, and establish one set of performance targets or else merge into a single planning entity. The legislation approved on April 27, which now goes to the president's desk, maintains MPO and state flexibility in planning and making transportation investments. The Association of Metropolitan Planning Organizations (AMPO) expects the President to sign the bill.

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Post Office Box 1748
 Gastonia, North Carolina 28053
 Phone (704) 866-6837

150 South York Street
 Gastonia, North Carolina 28052
 Fax (704) 869-1960

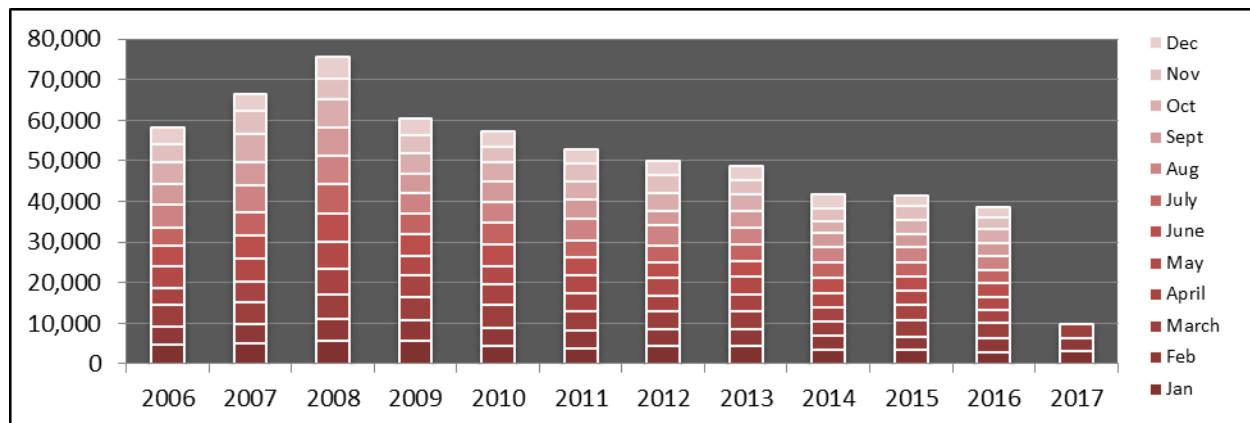
Agenda Item #13d

To: Board Members and Interested Persons
 From: GCLMPO Staff
 Date: May 25, 2017
 Subject: Transit Systems Ridership Update



Gastonia Express Bus Ridership Trends

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Avg.
Jan	4,795	5,094	5,574	5,577	4,426	3,873	4,451	4,382	3,581	3,588	2,881	3,131	4,279
Feb	4,500	4,749	5,613	5,306	4,553	4,279	4,213	4,266	3,372	3,155	3,386	3,155	4,212
March	5,096	5,284	5,881	5,527	5,407	4,844	4,161	4,165	3,348	4,021	3,754	3,614	4,592
April	4,177	5,175	6,427	5,386	5,077	4,370	4,031	4,205	3,444	3,882	3,303		4,498
May	5,323	5,705	6,440	4,859	4,666	4,530	4,240	4,328	3,544	3,349	3,249		4,567
June	5,068	5,522	7,020	5,221	5,163	4,419	3,857	3,858	3,743	3,584	3,473		4,630
July	4,713	5,776	7,408	5,206	5,343	3,982	4,172	4,181	3,791	3,461	2,974		4,637
Aug	5,681	6,745	6,775	4,838	5,371	5,394	4,978	4,221	3,821	3,597	3,571		4,999
Sept	4,996	5,760	7,038	4,880	4,870	4,692	3,490	3,987	3,487	3,246	3,194		4,513
Oct	5,164	6,743	6,932	5,104	4,644	4,608	4,616	4,271	3,083	3,657	3,293		4,738
Nov	4,680	5,637	5,245	4,252	4,013	4,273	4,144	3,493	3,083	3,222	3,043		4,099
Dec	3,863	4,296	5,158	4,248	3,574	3,689	3,541	3,256	3,312	2,790	2,594		3,666

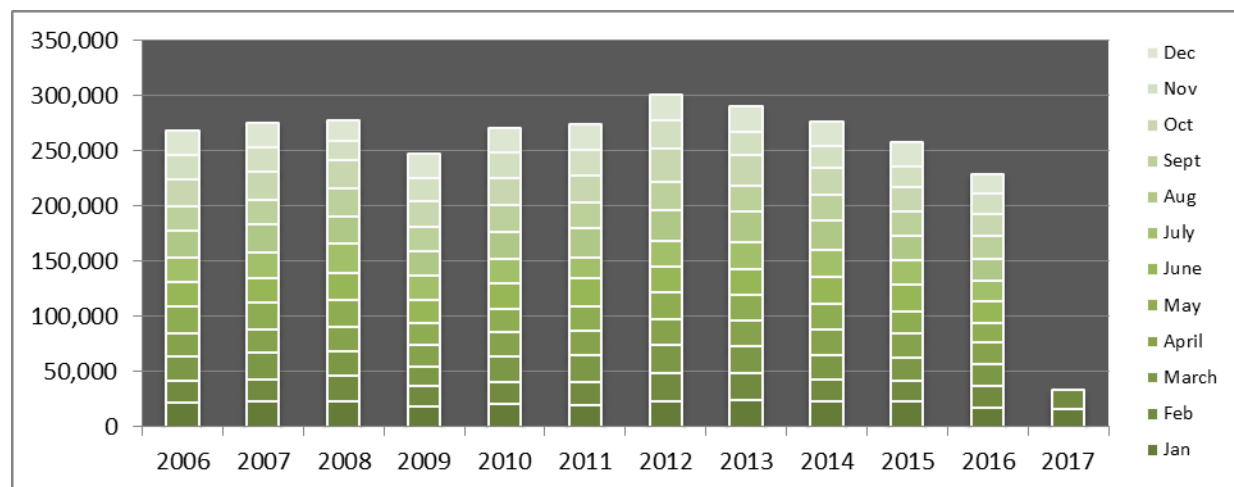


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 Gastonia, North Carolina 28053
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Gastonia Transit Bus Ridership Trends

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Avg.
Jan	21,934	23,796	23,296	18,436	20,498	19,373	23,798	24,202	22,764	23,221	16,892	15,917	21,177
Feb	19,725	19,472	23,455	18,380	20,138	21,338	24,528	24,566	20,422	18,732	19,743	18,203	20,725
March	22,782	23,637	21,433	18,187	22,883	24,003	25,551	24,064	22,049	21,326	20,556		22,406
April	20,556	21,339	22,823	19,405	22,148	22,433	23,422	23,536	22,982	21,499	19,417		21,778
May	23,652	24,006	23,628	19,869	20,807	22,642	24,206	23,646	23,811	20,223	17,714		22,200
June	23,096	22,961	24,896	21,042	23,417	25,090	23,884	22,960	23,768	24,080	19,812		23,182
July	21,377	23,083	26,136	21,595	22,615	18,130	23,293	24,473	24,587	22,129	18,026		22,313
Aug	24,811	25,308	25,428	21,800	24,432	26,746	28,223	27,164	26,897	21,844	20,474		24,830
Sept	22,378	22,159	24,539	22,236	24,182	23,770	25,028	24,238	22,522	21,622	19,990		22,969
Oct	24,067	25,273	26,136	23,169	24,243	24,116	30,064	26,942	24,971	22,237	19,939		24,651
Nov	22,316	22,328	17,665	20,858	23,266	22,779	25,818	21,852	19,708	19,466	18,542		21,327
Dec	22,125	21,529	18,637	22,037	22,532	24,134	23,661	22,630	22,014	21,420	17,569		21,663



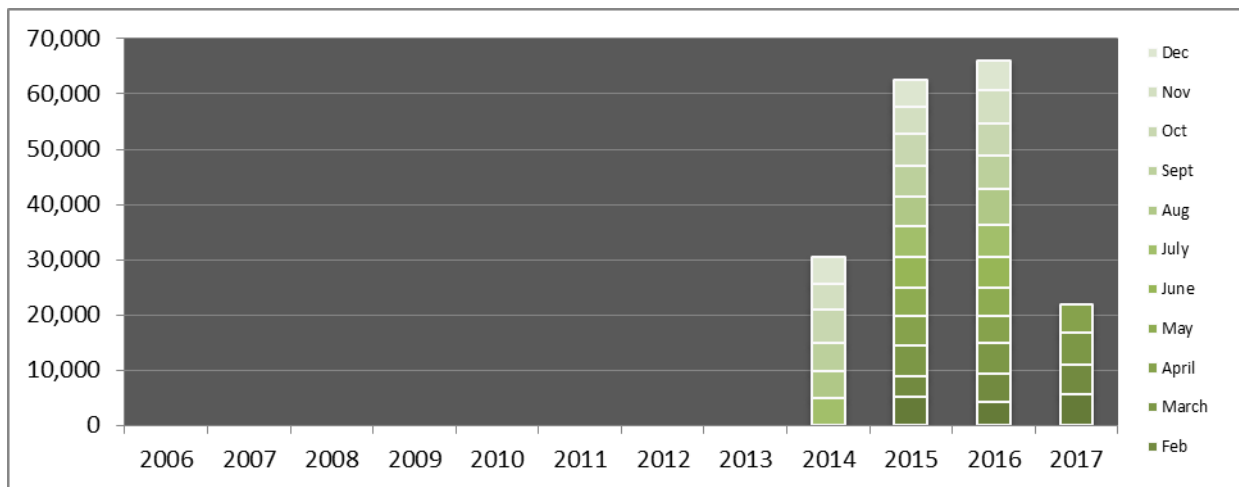
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Transportation Administration Cleveland County Transit Bus Ridership Trends

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Avg.
Jan										5,073	4,249	5,511	4,944
Feb										3,856	5,198	5,383	4,812
March										5,469	5,484	5,906	5,620
April										5,404	4,938	5,102	5,148
May										5,121	4,991		5,056
June										5,637	5,690		5,664
July									4,853	5,503	5,740		5,365
Aug									4,877	5,347	6,525		5,583
Sept									5,297	5,554	5,943		5,598
Oct									5,891	5,750	5,919		5,853
Nov									4,768	4,945	5,906		5,206
Dec									4,684	4,867	5,523		5,025





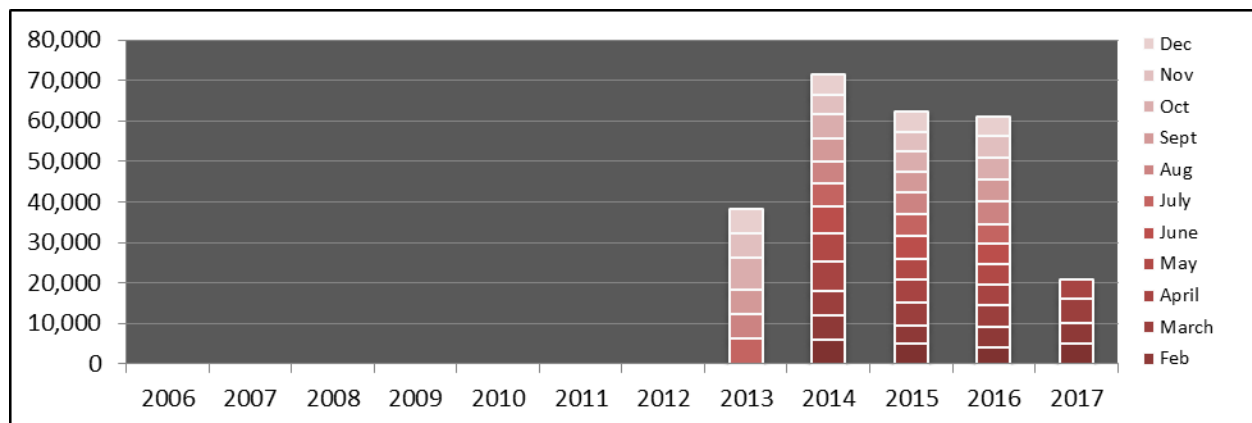
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Transportation Lincoln County

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Avg.
Jan									6,008	5,144	4,162	5,001	5,079
Feb									5,807	4,258	4,892	5,001	4,990
March									6,317	5,787	5,494	5,943	5,885
April									7,117	5,592	5,079	5,000	5,697
May									7,081	5,080	5,100		5,754
June									6,492	5,662	4,887		5,680
July								6,223	5,658	5,387	4,948		5,554
Aug								6,161	5,481	5,298	5,629		5,642
Sept								5,849	5,735	5,176	5,266		5,507
Oct								7,912	6,025	5,210	5,532		6,170
Nov								6,186	4,637	4,769	5,179		5,193
Dec								5,767	5,149	4,854	4,922		5,173





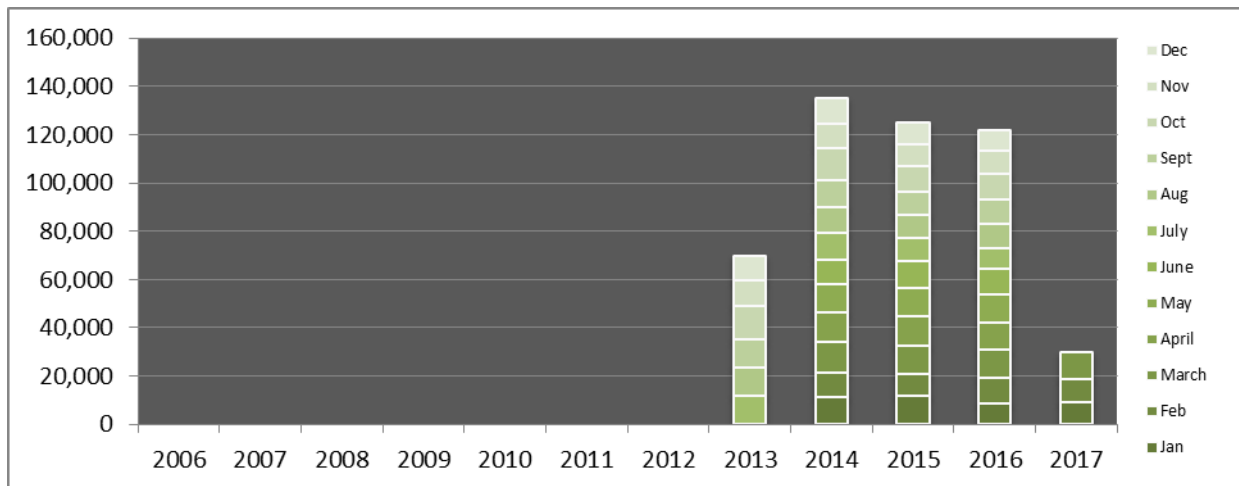
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Gaston County ACCESS

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Avg.
Jan									11,368	11,760	8,859	9,067	10,264
Feb									10,295	8,900	10,623	9,929	9,937
March									12,379	11,939	11,245	10,777	11,585
April									12,299	12,215	11,379		11,964
May									11,927	11,559	11,945		11,810
June									10,136	11,080	10,527		10,581
July								11,819	10,872	9,923	8,340		10,239
Aug								11,780	10,831	9,328	10,332		10,568
Sept								11,661	11,161	9,705	10,032		10,640
Oct								13,838	13,022	10,607	10,502		11,992
Nov								10,583	10,016	8,988	9,422		9,752
Dec								10,176	10,615	8,985	8,597		9,593



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