

**Cabarrus Rowan Urban Area  
Metropolitan Planning Organization  
Transportation Advisory Committee**

**Wednesday October 25, 2023**

**5:30 pm**

**Dinner provided by  
Town of Rockwell**

**NC Research Campus  
Kannapolis City Hall  
401 Laureate Way  
Kannapolis, NC 28081**

**Agenda**

**1) Call to Order TAC Vice-Chair Barnhardt**

- Pledge of Allegiance
- Roll Call of Members for Quorum & Introduction of Guests
- List of Eligible TAC Voting Members
- Ethics Reminder
- New NCDOT COO Chris Peoples
- Legislative/Session Law 2023-136 Update
- Chamber of Commerce Update
- Speakers from the Floor (3 minutes per speaker)
- Adjustments/Approval to the Agenda including Consent

**CONSENT AGENDA**

All items on the consent agenda are considered to be routine and may be enacted by one motion. If a TAC member requests discussion on an item, the item will be removed from the consent agenda and considered separately. The following items are presented for TAC consideration on the Consent Agenda:

**2) Rider Transit Program of Projects (POP) Phil Conrad**

**INFORMATION:** The Program of Projects is a list of proposed FTA grant requests to support the operations of Rider Transit in Fiscal Year 2024. Rider has elected to use the MPO Public Involvement procedures to process this annual requirement. Attachment 2 is the POP.

**ACTION/RECOMMENDATION:** 1) Receive a report on Rider Transit's Program of Projects (POP); and 2) Consider releasing the POP for public comment.

**3) Performance-Based Planning: Safety Targets Phil Conrad**

**INFORMATION:** The federal transportation legislation requires that State DOTs and MPOs adopt performance-based planning as a component of the metropolitan transportation planning process. The NCDOT has released the next round of safety targets for North Carolina and it is up to each MPO to either adopt these targets or devise their own targets. The proposed safety targets will be published on the MPO's website. A draft resolution in support of the new safety targets for 2024 is included as attachment 3.

**ACTION/RECOMMENDATION:** 1) Receive a report on the NCDOT Safety Targets; 2) Discuss; and 3) Consider releasing the Safety Targets for public comment.

**THIS CONCLUDES THE CONSENT AGENDA**

**4) Approval of August 23, 2023 minutes TAC Vice-Chair Barnhardt**

**5) FY 2024-2033 MTIP Modification #1 Phil Conrad**

**INFORMATION:** MPO staff typically brings amendments or modifications from recent NCDOT Board of Transportation agendas to the TCC/TAC for consideration. The first project modifications are statewide project additions: HM-9999, HS-2420DIV, HS-2420, HS-2420REG, HS-2420SW, HS-2421DIV, HS-2421REG, HS-2421SW, HS-2422DIV, HS-2420REG, HS-2422SW, SM-6215DIV, SM-6215REG, SM-6215SW, HO-0010B, M-556, TO-0004, P-2918, P-5719C, TC-0008, TC-0010, and TC-0012. The second project modification is the addition of preliminary engineering for the Concord sidewalk projects (BL-0087). The third project modification is to delay construction to FY 24 for the north apron expansion at Concord Regional Airport (AV-5892). The fourth project modification is to delay construction to FY 25 for the Bethpage Road sidewalk (C-5603F). The fifth project modification is to delay construction to FY 24 for the Grants Creek Greenway (EB-5619B). The sixth project modification is to delay construction to FY 24 for the Grants Creek Greenway (EB-5619C). The seventh project modification is to the cost increase for the NC 152 roundabout (HE-0009). The eighth project modification is to delay right-of-way to FY 24 for the Poplar Tent and Harris Intersection project (HL-0001). The ninth project modification is to delay right-of-way to FY 24 for the Brenner Avenue roundabout project (HE-0049). The tenth project modification is to delay construction to FY 25 for the US 29/Main Street improvements (HL-0064). The eleventh project modification is to add intersection improvements at NC 152 and NC 153 with construction in FY 24 (HS-2009I). The twelfth project modification is to add wrong way pavement marking signs on I-85 in FY 24 (HS-2010M). The thirteenth project modification is to increase the cost for the equipment and capital yard maintenance facility (P-2918). The fourteenth project modification is to delay construction to FY 24 for

the Piedmont Corridor trains and maintenance facility (P-5719C). The fifteenth project modification is to delay construction to FY 24 for the Norfolk Southern crossover relocation (P-5726B). The sixteenth project modification is to accelerate right-of-way to FY 24 for the Salisbury Train Station waiting area improvements (P-5733). The seventeenth project modification is the segmenting of NC 73 into BA and BB for R-5706B. The eighteenth project modification is the delay of construction to FY 26 for the Dale Earnhardt Blvd intersection improvements (U-5761). The nineteenth project modification is the addition of segment E to the Rice Street and Cannon Farm Road project (W-5709E) in FY 24. The twentieth project modification is to delay construction to FY 24 for the Old Salisbury Road/Irish Potato Road safety improvements (W-5710AO). The twenty-first project modification is the cost increases to the North Main Street improvements (U-6062). The twenty-second project modification is the project break for the Robinson Church Road/Peach Orchard Road improvements (HS-2010R). The twenty-third project modification is the project break for the NC 49/Old Airport Road U-turn bulbout (HS-2010Q). The twenty-fourth project modification is the project break for the NC 49/US 601 rumble strips (HS-2010P). The twenty-fifth project modification is the project break for the NC 73 rumble strips (HS-2010O). The twenty-sixth project modification is the delay of right-of-way to FY 24 for the Little Texas Road sidewalk (EB-5844). The twenty-seventh project modification is the delay of right-of-way to FY 24 for the US 601/Flowers Store Road intersection improvements (C-5603I). The final project modification is the project additional related to a federal grant for pedestrian safety elements such as countdown signal heads, crosswalks, etc. (BO-2419) Attachment 5 is a resolution modifying the MTIP for these projects. The new STIP was adopted in June and was effective October 1, 2023.

**ACTION/RECOMMENDATION:** 1) Receive a report on modification #1 to the FY 2024-2033 MTIP; 2) Discuss; and 3) Consider endorsing modification #1 to the FY 2024-2033 MTIP.

**6) Metrolina Regional Travel Model Inputs Phil Conrad**

**INFORMATION:** The Cabarrus-Rowan MPO is currently one of four MPO's in the proposed non-attainment Metrolina/Charlotte Region. The MPO will be working on projecting population and employment for the 3 horizon years in the Metrolina Regional Travel Model: 2025, 2035, 2045, and 2055. A summary of the projections is included as Table 1 and Table 2 as well as a cover memo.

**ACTION / RECOMMENDATION:** 1) Receive a report on the Socioeconomic Projections; 2) Discuss; and 3) Consider endorsing the socioeconomic projections for Cabarrus and Rowan Counties.

**7) Reports / MPO Business Phil Conrad / TAC Members**

- Local Reports – NCDOT Division 9 & 10

- Division 10 P7.0 List and Funding Update for P7.0
- RCI Letter of Support – Division 10
- CMAQ Program Update
- TPD Policy for Non-Federal Match
- NCDOT *DRAFT* Carbon Reduction Strategy
- Special Study Update – Town of China Grove
- NCDOT Feasibility Grant Award to Cabarrus County for MicroTransit

**8) Information Items**

**Phil Conrad**

- Rider and Salisbury Transit Ridership
- Division 10 Organization Chart and Contact Info

**Next meeting: November 15, 2023**

- Agenda items for November TAC meeting





## NORTH CAROLINA STATE ETHICS COMMISSION

### SAMPLE<sup>1</sup>

### **ETHICS AWARENESS & CONFLICT OF INTEREST REMINDER**

(to be read by the Chair or his or her designee at the beginning of each meeting)

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In accordance with the State Government Ethics Act, it is the duty of every [Board] member to avoid conflicts of interest.

Does any [Board] member have any known conflict of interest with respect to any matters coming before the [Board] today?

If so, please identify the conflict and refrain from any participation in the particular matter involved.

Rev 12-13-12

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<sup>1</sup> N.C.G.S. §138A-15 (e): “At the beginning of any meeting of a board, the chair shall remind all members of their duty to avoid conflicts of interest under [Chapter 138A].” There is no set language required by the Act. Specific language can and should be tailored to fit the needs of each covered board as necessary.

# Chris Peoples, P.E. Chief Operating Officer



In October 2023, Chris Peoples became chief operating officer for the N.C. Department of Transportation. As chief operating officer, he directs and manages the Division of Highways, Ferry Division, Aviation Division, Rail Division, the Integrated Mobility Division, Division of Planning & Programming, Human Resources and the Communications Office.

Peoples is a registered professional engineer and has worked at NCDOT for more than 28 years in several field engineering positions, including state materials engineer and director of field support. He became deputy chief engineer in 2019. In June 2022, he started his previously held role—chief engineer—directing the engineering and program activities of NCDOT’s 14 highway divisions, Transportation Mobility and Safety Division, the Central Units and the Technical Services Division.

Peoples is a 1993 graduate of N.C. State University, where he earned a Bachelor of Science degree in Chemical Engineering. He has served as chair of AASHTO’s National Transportation Product Evaluation Program, or NTPEP.

He lives with his wife, Robin, and their two children in Raleigh.

**GENERAL ASSEMBLY OF NORTH CAROLINA  
SESSION 2023**

**SESSION LAW 2023-136  
SENATE BILL 512**

AN ACT TO INCREASE THE ACCOUNTABILITY OF PUBLIC BOARDS AND COMMISSIONS TO THE CITIZENS OF NORTH CAROLINA BY CHANGING THE APPOINTMENT STRUCTURE OF THOSE BOARDS AND COMMISSIONS.

The General Assembly of North Carolina enacts:

**PART I. ECONOMIC INVESTMENT COMMITTEE**

**SECTION 1.1.(a)** G.S. 143B-437.54 reads as rewritten:

**"§ 143B-437.54. Economic Investment Committee established.**

(a) Membership. – The Economic Investment Committee is established. The Committee consists of the following members:

- (1) The Secretary of Commerce.
- (2) The Secretary of Revenue.
- (3) The Director of the Office of State Budget and Management.
- (4) One member appointed by the General Assembly upon the recommendation of the Speaker of the House of Representatives.
- (5) One member appointed by the General Assembly upon the recommendation of the President Pro Tempore of the Senate.
- (6) The Speaker of the House of Representatives or a designee of the Speaker.
- (7) The President Pro Tempore of the Senate or a designee of the President Pro Tempore.

~~The members of the Committee appointed by the General Assembly may not be members of the General Assembly.~~ The members of the Committee appointed by the General Assembly serve two-year terms that begin upon appointment. The other members, who are ex officio members or designees of those members, shall serve until they are no longer in office or are replaced with another designee.

(b) Decision Required. – The Committee may act only upon a decision of ~~three of its five~~ a majority of its members.

...."

**SECTION 1.1.(b)** G.S. 120-123(76) is repealed.

**PART II. ENVIRONMENTAL MANAGEMENT COMMISSION**

**SECTION 2.1.(a)** G.S. 143B-283 reads as rewritten:

**"§ 143B-283. Environmental Management Commission – members; selection; removal; compensation; quorum; services.**

(a) Repealed by Session Laws 2013-360, s. 14.23(a), effective July 1, 2013.

(a1) Composition. – The Environmental Management Commission shall consist of 15 members as follows:

- (1) One appointed by the Governor who shall be a licensed physician.
- (2) One appointed by the Governor who shall at the time of appointment have special training or scientific expertise in hydrology, water pollution control, or the effects of water pollution.





(b1) Length of Terms. – Members appointed to the Commission shall serve for a term of ~~four years.~~ At the end of the respective terms of office of ~~initial~~ members of the Commission, their successors shall be appointed for terms of four ~~years and until their successors are appointed and qualify.~~ years. Any appointment to fill a vacancy on the Commission created by the resignation, dismissal, death, or disability of a member shall be filled by the appointing authority for the balance of the unexpired term. As used in this section, the term "appointing authority" means the North Carolina Medical Society in the case of members elected by the Medical Society, the General Assembly in the case of members appointed by the General Assembly, and the Governor in the case of members appointed by the Governor.

(c) ~~The North Carolina Medical Society shall have the right to remove any member elected by it for misfeasance, malfeasance, or nonfeasance, and the Governor shall have the right to~~ Removal of Members. – Each appointing authority may remove any member appointed by ~~him~~ that appointing authority for misfeasance, malfeasance, or ~~nonfeasance in accordance with the provisions of G.S. 143B-13.~~ nonfeasance.

(c1) Filling of Vacancies. – Vacancies on ~~said~~ the Commission among the membership elected by the North Carolina Medical Society shall be filled by the executive committee of the Medical Society until the next meeting of the Medical Society, when the Medical Society shall fill the vacancy for the unexpired term. Vacancies on ~~said~~ the Commission among the membership appointed by the General Assembly shall be filled by the General Assembly as provided in subdivision (a)(2) of this section for the unexpired term. Vacancies on the Commission among the membership appointed by the Governor shall be filled by the Governor for the unexpired term.

(d) Quorum. – A majority of the members of the Commission ~~shall constitute~~ constitutes a quorum for the transaction of business.

(e) Per Diem and Expenses. – The members of the Commission shall receive per diem and necessary traveling and subsistence expenses in accordance with the provisions of G.S. 138-5."

**SECTION 3.1.(b)** To minimize the impact of this section on the work of the Commission for Public Health, the Governor shall not appoint successors to the four members of the Commission whose terms expire on April 30, 2023. Instead, the General Assembly shall appoint four at-large members to the Commission in accordance with G.S. 130A-30(a)(2), as enacted by this section, to succeed the four members appointed by the Governor whose terms expire on April 30, 2023.

## **PART IV. BOARD OF TRANSPORTATION**

**SECTION 4.1.(a)** G.S. 143B-350 reads as rewritten:

**"§ 143B-350. Board of Transportation – organization; powers and duties, etc.**

(a) Board of Transportation. – There is hereby created a Board of Transportation. The Board shall carry out its duties consistent with the needs of the State as a whole. The diversity and size of the State require that regional differences be considered by Board members as they develop transportation policy and projects for the benefit of the citizens of the State. The Board shall carry out its duties consistent with the fiduciary responsibility to ensure the solvency of the State Highway Fund and Highway Trust Fund.

(b) Membership of the Board. –

(1) Number, appointment. – The Board of Transportation shall have 20 voting members. Voting members shall be appointed as provided in subdivisions (2) and (3) of this subsection for terms of office beginning ~~July 31~~ July 1 of the year of initial appointment, and every four years thereafter. Fourteen of the members shall be ~~division~~ distribution region members appointed by the ~~Governor.~~ Six members shall be at-large members appointed by the General Assembly, three ~~seven~~ upon recommendation of the President Pro Tempore

of the Senate in accordance with G.S. 120-121 and ~~three~~ seven upon recommendation of the Speaker of the House of ~~Representatives.~~ Representatives in accordance with G.S. 120-121. Six members shall be at-large members appointed by the Governor. The Secretary of Transportation shall serve as an ex officio nonvoting member of the Board. No more than three members of the Board may reside in the same ~~highway division.~~ distribution region.

(2) ~~Division~~ Distribution region members. – ~~One member~~ Two members shall be appointed from and be a resident of each of the ~~14 highway divisions.~~ Division members shall regularly consult with and consider the views of local government units and Transportation Advisory Committees in the region they represent. The Governor shall appoint one member from each of the fourteen divisions as follows: seven distribution regions defined in G.S. 136-189.10(1). Distribution region members shall be appointed as follows:

a. Four members appointed by the General Assembly upon recommendation of the President Pro Tempore of the Senate with one member each from Distribution Regions A, C, E, and G, beginning in 2025.

b. Four members appointed by the General Assembly upon recommendation of the Speaker of the House of Representatives with one member each from Distribution Regions A, C, E, and G, beginning in 2025.

c. Three members appointed by the General Assembly upon recommendation of the President Pro Tempore of the Senate with one member each from Distribution Regions B, D, and F, beginning in 2023.

d. Three members appointed by the General Assembly upon recommendation of the Speaker of the House of Representatives with one member each from Distribution Regions B, D, and F, beginning in 2023.

a. ~~Division 1, beginning in 2020.~~

b. ~~Division 2, beginning in 2022.~~

c. ~~Division 3, beginning in 2020.~~

d. ~~Division 4, beginning in 2022.~~

e. ~~Division 5, beginning in 2022.~~

f. ~~Division 6, beginning in 2020.~~

g. ~~Division 7, beginning in 2022.~~

h. ~~Division 8, beginning in 2022.~~

i. ~~Division 9, beginning in 2020.~~

j. ~~Division 10, beginning in 2022.~~

k. ~~Division 11, beginning in 2022.~~

l. ~~Division 12, beginning in 2020.~~

m. ~~Division 13, beginning in 2022.~~

n. ~~Division 14, beginning in 2020.~~

(3) ~~At-large members.~~ – ~~Six at-large members shall be appointed as follows:~~ by the Governor beginning in 2023.

a. ~~Two members appointed by the General Assembly upon recommendation of the President Pro Tempore of the Senate, beginning in 2020.~~

- b. ~~One member appointed by the General Assembly upon recommendation of the President Pro Tempore of the Senate, beginning in 2022.~~
- e. ~~Two members appointed by the General Assembly upon recommendation of the Speaker of the House of Representatives, beginning in 2020.~~
- d. ~~One member appointed by the General Assembly upon recommendation of the Speaker of the House of Representatives, beginning in 2022.~~

(c) Staggered Terms. – The terms of all Board members serving on the Board prior to ~~July 31, 2020, July 1, 2023,~~ shall expire on ~~July 30, 2020, June 30, 2023.~~ A new board of 20 voting members shall be appointed with terms beginning on ~~July 31, 2020, July 1, 2023.~~

...  
 (e) Organization and Meetings of the Board. – ~~Within 30 days after July 31, 2020, the Governor shall call the Board into session. The Governor~~ The Board shall select a chair from among the Board's membership for a two-year term. The Board shall select a vice-chair from among its membership for a two-year term. ~~The Governor~~ Board may select a chair for one additional two-year term. The Board may select a vice-chair for one additional two-year term. The Board of Transportation shall meet at least once a month at such regular meeting times as the Board may by rule provide and at any place in the State as the Board may provide. The Board may hold special meetings at any time at the call of the chair or any three members. The Board shall have the power to adopt and enforce rules and regulations for the government of its business and proceedings. The Board shall keep minutes of its meetings, which shall at all times be open to public inspection. The majority of the Board shall constitute a quorum for the transaction of business. Board members shall receive per diem and necessary travel and subsistence expenses in accordance with G.S. 138-5 and G.S. 138-6, as appropriate.

...."

**SECTION 4.1.(b)** Notwithstanding the four-year terms outlined in G.S. 143B-350(b), as amended by this section, the following voting members shall be appointed to the Board of Transportation for a two-year term beginning July 1, 2023:

- (1) The General Assembly shall appoint four distribution region members upon recommendation of the President Pro Tempore of the Senate with one member each from Distribution Regions A, C, E, and G.
- (2) The General Assembly shall appoint four distribution region members upon recommendation of the Speaker of the House of Representatives with one member each from Distribution Regions A, C, E, and G.

All members appointed as provided in this subsection shall be subject to all other provisions of G.S. 143B-350, as amended by this section.

**SECTION 4.1.(c)** This section is effective July 1, 2023. For Division members continuing to serve after that date pursuant to G.S. 143B-350(d) until successors are appointed, distribution region members appointed by the General Assembly upon recommendation of the President Pro Tempore of the Senate in accordance with this section shall replace members from Divisions 1, 2, 5, 7, 8, 11, and 13, and distribution region members appointed by the General Assembly upon recommendation of the Speaker of the House of Representatives in accordance with this section shall replace members from Divisions 3, 4, 6, 9, 10, 12, and 14.

## **PART V. COASTAL RESOURCES COMMISSION**

**SECTION 5.1.(a)** G.S. 113A-104 reads as rewritten:

**"§ 113A-104. Coastal Resources Commission.**

...

Part 2. Board of Transportation.

**§ 143B-350. Board of Transportation – organization; powers and duties, etc.**

(a) Board of Transportation. – There is hereby created a Board of Transportation. The Board shall carry out its duties consistent with the needs of the State as a whole. The diversity and size of the State require that regional differences be considered by Board members as they develop transportation policy and projects for the benefit of the citizens of the State. The Board shall carry out its duties consistent with the fiduciary responsibility to ensure the solvency of the State Highway Fund and Highway Trust Fund.

(b) Membership of the Board. –

- (1) Number, appointment. – The Board of Transportation shall have 20 voting members. Voting members shall be appointed as provided in subdivisions (2) and (3) of this subsection for terms of office beginning July 31 of the year of initial appointment, and every four years thereafter. Fourteen of the members shall be division members appointed by the Governor. Six members shall be at-large members appointed by the General Assembly, three upon recommendation of the President Pro Tempore of the Senate and three upon recommendation of the Speaker of the House of Representatives. The Secretary of Transportation shall serve as an ex officio nonvoting member of the Board. No more than three members of the Board may reside in the same highway division.
- (2) Division members. – One member shall be appointed from and be a resident of each of the 14 highway divisions. Division members shall regularly consult with and consider the views of local government units and Transportation Advisory Committees in the region they represent. The Governor shall appoint one member from each of the fourteen divisions as follows:
  - a. Division 1, beginning in 2020.
  - b. Division 2, beginning in 2022.
  - c. Division 3, beginning in 2020.
  - d. Division 4, beginning in 2022.
  - e. Division 5, beginning in 2022.
  - f. Division 6, beginning in 2020.
  - g. Division 7, beginning in 2022.
  - h. Division 8, beginning in 2022.
  - i. Division 9, beginning in 2020.
  - j. Division 10, beginning in 2022.
  - k. Division 11, beginning in 2022.
  - l. Division 12, beginning in 2020.
  - m. Division 13, beginning in 2022.
  - n. Division 14, beginning in 2020.
- (3) At-large members. – Six at-large members shall be appointed as follows:
  - a. Two members appointed by the General Assembly upon recommendation of the President Pro Tempore of the Senate, beginning in 2020.
  - b. One member appointed by the General Assembly upon recommendation of the President Pro Tempore of the Senate, beginning in 2022.
  - c. Two members appointed by the General Assembly upon recommendation of the Speaker of the House of Representatives, beginning in 2020.

d. One member appointed by the General Assembly upon recommendation of the Speaker of the House of Representatives, beginning in 2022.

(c) Staggered Terms. – The terms of all Board members serving on the Board prior to July 31, 2020, shall expire on July 30, 2020. A new board of 20 voting members shall be appointed with terms beginning on July 31, 2020.

(d) Holdover Terms; Vacancies; Removal. – Members shall continue to serve until their successors are appointed. The appointing authority may appoint a member to serve out the unexpired term of any Board member. The appointing authority may remove any member of the Board appointed by that appointing authority for any cause the appointing authority finds sufficient. The appointing authority shall remove any member of the Board upon conviction of a felony, conviction of any offense involving a violation of the Board member's official duties, or for a violation of the provisions of subsections (i), (j), and (k) of this section or any other code of ethics applicable to members of the Board as determined by the appointing authority or the appointing authority's designee.

(e) Organization and Meetings of the Board. – Within 30 days after July 31, 2020, the Governor shall call the Board into session. The Governor shall select a chair from among the Board's membership for a two-year term. The Board shall select a vice-chair from among its membership for a two-year term. The Governor may select a chair for one additional two-year term. The Board may select a vice-chair for one additional two-year term. The Board of Transportation shall meet at least once a month at such regular meeting times as the Board may by rule provide and at any place in the State as the Board may provide. The Board may hold special meetings at any time at the call of the chair or any three members. The Board shall have the power to adopt and enforce rules and regulations for the government of its business and proceedings. The Board shall keep minutes of its meetings, which shall at all times be open to public inspection. The majority of the Board shall constitute a quorum for the transaction of business. Board members shall receive per diem and necessary travel and subsistence expenses in accordance with G.S. 138-5 and G.S. 138-6, as appropriate.

(f) Duties and Powers of the Board. – The primary duty of the Board of Transportation shall be to serve as fiduciaries of the State Highway Fund and Highway Trust Fund and ensure the solvency of those funds when carrying out the Board's duties and powers. The Board of Transportation has the following duties and powers:

- (1) To formulate policies and priorities, accountability and performance metrics for all modes, divisions, and central office of the Department of Transportation, including personnel within those divisions, and to hold those modes, divisions, and personnel accountable to those metrics.
- (1a) To review and take action on each Spend Plan developed by the Department of Transportation as required by G.S. 143C-6-11.1. An approved Spend Plan must be fiscally responsible while accomplishing transportation goals across the State.
- (1b) To ensure that the Department of Transportation is operating within the approved Spend Plan.
- (1c) To review and approve the Department's use of bonds, including for federally funded projects.
- (2) To advise the Secretary on matters to increase the performance, efficiency, and effectiveness of the day-to-day operations of the Department of Transportation.
- (3) To ascertain the transportation needs and the alternative means to provide for these needs through an integrated system of transportation.

CABARRUS / ROWAN URBAN AREA  
METROPOLITAN PLANNING  
ORGANIZATION



FY 2024 Program of Projects  
Rider Transit System

## How to Make Comments

The Cabarrus-Rowan Metropolitan Planning Organization (MPO) is holding a public comment period on the Draft Program of Projects document from October 30<sup>th</sup> to November 27<sup>th</sup>. **Please submit any comments on the documents that you may have by Monday, November 27<sup>th</sup> to:**

email: [pconrad@rlcassoc.com](mailto:pconrad@rlcassoc.com)

**Mail: Attention: Phil Conrad  
Program of Projects  
Cabarrus-Rowan MPO  
57 Union Street South  
Concord, NC 28025**

For additional information or further assistance, call Phil Conrad at (704) 791-0608 or visit the MPO's website at [www.crmppo.org](http://www.crmppo.org). Comments on the public participation process are also welcome.

### **Locations of Plan Materials:**

The document is also available online at [www.crmppo.org](http://www.crmppo.org).

Copies of the Draft Program of Projects document are also available for public review during the review period at the following locations:

- Cabarrus County Planning Department Office
- Rowan County Planning Department Office
- Rider Transit Center

## **Background**

The annual Program of Projects is a list of projects proposed to be funded in a given fiscal year from Federal Transit Formula Grants, any transit discretionary grants, any Federal Highway Funds flexed to FTA for transit improvements, and state formula grant programs. Such projects must also be identified in the MPO-approved Metropolitan Transportation Improvement Program or the Unified Planning Work Program to be eligible for inclusion in the Program of Projects. The Program of Projects provides an additional opportunity for the public to learn about and comment on planned transit grants for the fiscal year.

The Program of Projects may be developed and approved by the designated recipient (the City of Concord - Rider Transit System) or the Metropolitan Planning Organization. The MPO is responsible for the MTIP and the UPWP, and therefore, Rider Transit has elected to use the MPO's public comment process for its program of projects. There are multiple recipients of Federal Transit grants operating in the MPO area (Salisbury Transit and NCDOT for Cabarrus County and Rowan County). The MPO must follow the Public Participation Plan, which for the Program of Projects requires a 28-day public comment period.

## **FY 2024 Program of Projects**

The FY 2024 Program of Projects includes anticipated FTA formula grants under the following programs: Section 5303 Metropolitan Planning, Section 5307 Urbanized Formula, Section 5310 Enhanced Mobility of Seniors and Individuals with Disabilities, and Section 5339 Bus and Bus Facilities.

The FY 2024 Program of Projects also includes State Maintenance Assistance Program (SMAP) funds administered by NCDOT.

The Program of Projects also describes funds made available to subrecipients and grant details such as a description, federal funding amount, and matching funds amounts. The proposed program as identified in the Draft Program of Projects will be the final program unless amended.

The MPO will seek public input on the Program of Projects under the MPO Public Participation Program. This includes a 28-day public comment period and a public review to be held at the January 24 TAC meeting. The Transportation Advisory Committee will be the body to approve the document.

**Recommended Action: MPO Approval at the January 24 meeting.**



## Section 5307 Urbanized Area Formula Grants – FY 2024

### TG-5103C      Preventive Maintenance: Contracted Maintenance Capital Costs

The City of Concord will apply for Federal capital assistance to support the costs associated with using a third-party contractor to provide transit services. Rider Transit provides the vehicles, but the third-party contractor provides drivers and maintenance staff necessary to provide public transportation services in the City of Concord. Under FTA rules this is counted as preventive maintenance. Eligible expenses are eligible for up to 80% federal reimbursement. Eligible expenses are capped at no more than 40% of overall third-party contractor costs. The proposed grant amount falls under the 40% maximum threshold.

<b>Total Costs:</b>	<b>Federal</b>	<b>Local</b>	<b>State</b>
<b>\$1,500,000</b>	\$1,200,000	\$300,000	N/A

### TG-5103A      Routine Capital

The City of Concord will apply for Federal routine capital assistance to support the purchase of a bus stop shelters, benches, shop equipment, spare parts, engines, farebox, service vehicles, etc.

<b>Total Costs:</b>	<b>Federal</b>	<b>Local</b>	<b>State</b>
<b>\$625,000</b>	\$500,000	\$125,000	N/A

### TG-5173      Purchase Replacement Buses

The City of Concord may apply for Federal capital assistance to support the purchase of replacement buses.

<b>Total Costs:</b>	<b>Federal</b>	<b>Local</b>	<b>State</b>
<b>\$6,800,000</b>	\$5,440,000	\$680,000	\$680,000

### TG-5103B      Routine Capital – ADA Service

The City of Concord will apply for Federal operating assistance for up to 10% of the total operating costs of ADA Paratransit Services. This includes fuel and operator salaries for this service.

<b>Total Costs:</b>	<b>Federal</b>	<b>Local</b>	<b>State</b>
<b>\$375,000</b>	\$300,000	\$75,000	N/A

### TS-5116      Security Enhancements

The City of Concord will utilize at least 1% of 5307 program assistance to enhance security for the Rider Transit system.

<b>Total Costs:</b>	<b>Federal</b>	<b>Local</b>	<b>State</b>
<b>\$25,000</b>	\$25,000	N/A	N/A

TL-0005

**Expansion Bus**

Total Costs:	Federal	Local	State
\$725,000	\$580,000	\$145,000	N/A

TO-5138

**Fixed Route Operating Expenses\***

The City of Concord will apply for Federal operating assistance for Rider’s fixed route services. The proposed project will serve the Concord Urbanized Area and will support public transportation services sponsored by the City of Concord through Rider Transit.

Total Costs:	Federal	Local	State
\$2,713,000	\$1,300,000	\$1,100,000	\$313,000

**Section 5310 Enhanced Mobility of Seniors & Individuals with Disabilities – FY 2024**

The City of Concord will apply for Section 5310 Enhanced Mobility for Seniors and Persons with Disabilities funding and consistent with the Coordinated Human Services Transportation Plan.

**Section 5310 Operating (TA-5128B)**

Request operating assistance for competitively selected projects to support transportation services to the elderly and disabled for employment, education, and medical trips.

Total Costs:	Federal:	Local:	State:
\$450,000	\$225,000	\$225,000	N/A

**Section 5310 Program Administration (TA-5128C)**

Request administrative support to administer the grants, compliance, and reporting program for the City of Concord. Up to 10% of available funds may be used for this purpose.

Total Costs:	Federal:	Local:	State:
\$50,000	\$50,000	N/A	N/A

**Section 5310 Capital (TA-5128A)**

Request capital assistance for competitively selected projects to support transportation services to the elderly and disabled for employment, education, and medical trips.

Total Costs:	Federal:	Local:	State:
\$625,000	\$500,000	\$125,000	N/A

**Section 5339 Bus and Bus Facility Program – FY 2024**

**Bus and Bus Facilities – Routine Capital (TA-5130A)**

The City of Concord may apply for Federal capital assistance to support the purchase of routine capital - bus stop shelters, benches, shop equipment, spare parts, engines, farebox, vehicles, etc. using Section 5339 funds.

Total Costs:	Federal:	Local:	State:
\$250,000	\$200,000	\$50,000	N/A

**Bus and Bus Facilities - Expansion Buses (TA-5130B)**

The City of Concord may apply for Federal capital assistance to support the purchase of bus and paratransit vehicles to support increases in service using Section 5339 funds.

<b>Total Costs:</b>	<b>Federal:</b>	<b>Local:</b>	<b>State:</b>
<b>\$500,000</b>	\$400,000	\$100,000	N/A

**Section 5303 Planning Assistance – FY 2024**

**Planning Assistance – 5303 (TP-5118)**

The City of Concord will apply for Federal planning assistance to support transit planning by the Cabarrus-Rowan MPO.

<b>Total Costs:</b>	<b>Federal:</b>	<b>Local:</b>	<b>State:</b>
<b>\$304,000</b>	\$243,200	\$30,400	\$30,400

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**Specific projects to be considered in FY24:**

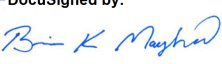
- Cabarrus County Long Range Public Transit Master Plan implementation
  - Priority 1- System Consolidation and Implementation Plan (Rider Transit and CCTS)
- Customer Satisfaction Program Plan
- Rider Transit Bus Stop Amenity Program (ongoing)
- Public Transportation Agency Safety Plan (annually)
- ADA Transition Plan
- Bus replacement and expansion procurement
- ADA Paratransit vehicle replacement procurement
- TSA Security Assessment Program (on-going)
- Microtransit pilot and analysis

#3 (10/25/23)

DATE: September 26, 2023

TO: Phil Conrad, AICP  
Transportation Planner, Cabarrus - Rowan Metropolitan Planning Organization

FROM: Brian Mayhew, PE, CPM  
State Traffic Engineer  
Transportation Mobility & Safety Division

DocuSigned by:  
  
EA0525CE2812491

SUBJECT: Safety Performance Measures – FHWA Assessment and 2024 Targets

### **Background**

Effective April 14, 2016, the Federal Highway Administration (FHWA) established five highway safety performance measures in accord with regulations set forth in the Federal MAP-21 and FAST Act transportation funding bills. These performance measures are:

1. Number of fatalities;
2. Rate of fatalities per 100 million vehicle miles traveled;
3. Number of serious injuries;
4. Rate of serious injuries per 100 million vehicle miles traveled; and
5. Number of combined non-motorized fatalities and non-motorized serious injuries.

These targets are established annually, are based on 5 year rolling averages, and are for calendar years. North Carolina state targets are set in agreement with our [Strategic Highway Safety Plan \(SHSP\)](#) goals. The SHSP goals are developed through collaborative efforts of a diverse group of stakeholders including state, regional, and local partners (including MPOs). The goal of the most recent (2019) SHSP is to reduce fatalities and serious injuries by half by 2035, moving towards zero by 2050.

### **North Carolina Safety Performance Target Achievement Determination**

Earlier this year, FHWA completed an assessment of target achievement for NCDOT's calendar year (CY) 2021 safety targets, based on the 5-year averages for 2017-2021 for each measure. As per 23 CFR 490.211(c)(2), a State Department of Transportation (DOT) has met or made significant progress towards meeting its safety performance targets when at least four of the safety performance targets established under 23 CFR 490.209(a) have been met or the actual outcome

is better than the baseline performance. **Based on FHWA’s review, North Carolina has not met or made significant progress toward achieving its safety performance targets.** As a result, NCDOT must ensure that all HSIP safety funds are obligated, and must develop an HSIP Implementation Plan that describes actions the State will take to meet or make significant progress toward achieving its targets. Table 1 below provides a summary of the target achievement determination at the state level.

*Table 1: North Carolina Safety Performance Target Achievement Determination Summary for CY 2021*

Performance Measures	5-year Rolling Averages			Target Achieved?	(Actual) Better than Baseline?	Met or Made Significant Progress?
	Target	Actual	Baseline			
	2017 - 2021	2017 - 2021	2015 - 2019			
Fatalities (5 Year Average)	1,309.9	1,501.2	1,426.8	No	No	No
Fatality Rate (5 Year Average)	1.105	1.284	1.206	No	No	
Serious Injuries (5 Year Average)	3,656.1	4,898.4	3,905.0	No	No	
Serious Injury Rate (5 Year Average)	3.065	4.186	3.278	No	No	
Non-motorized Fatalities and Serious Injuries (5 Year Average)	504.4	624.0	537.6	No	No	

Table 2 below shows what this determination would look like if the state’s methodology for establishing the CY 2021 goal was applied to crash data specific to Cabarrus - Rowan MPO.

*Table 2: Cabarrus - Rowan MPO Safety Performance Target Achievement Determination Summary for CY 2021*

Performance Measures	5-year Rolling Averages			Target Achieved?	(Actual) Better than Baseline?	Met or Made Significant Progress?
	Target	Actual	Baseline			
	2017 - 2021	2017 - 2021	2015 - 2019			
Fatalities (5 Year Average)	36.8	46.2	40.4	No	No	No
Fatality Rate (5 Year Average)	0.990	1.242	1.090	No	No	
Serious Injuries (5 Year Average)	112.2	136.0	121.8	No	No	
Serious Injury Rate (5 Year Average)	2.996	3.640	3.262	No	No	
Non-motorized Fatalities and Serious Injuries (5 Year Average)	12.4	19.2	13.4	No	No	

**2024 State Safety Performance Targets**

2024 state safety performance targets were submitted to FHWA on August 31<sup>st</sup>, as required, with the submission of the annual Highway Safety Improvement Program (HSIP) report. These targets reflect the 2019 SHSP goal to reduce fatalities and serious injuries by half by 2035, moving towards zero by 2050. The calculated targets are shown in Table 3 below. More detailed information about each target can be found at this [link](#).

*Table 3: North Carolina Calendar Year 2024 Safety Performance Targets*

Performance Measure	CY 2024
Number of Fatalities	1,151.7
Rate of Fatalities	0.967
Number of Serious Injuries	3,312.1
Rate of Serious Injuries	2.767
Number of Non-Motorized Fatalities & Serious Injuries	451.1

**2024 Cabarrus – Rowan MPO Safety Performance Targets**

Table 4 below provides crash data specific to your MPO and shows what the safety performance targets would look like if you applied the state’s methodology (reducing fatalities and serious injuries by half by 2035). More detailed information specific to your MPO can be found at this [link](#).

*Table 4: Cabarrus – Rowan MPO Specific Safety Performance Targets*

Year	Fatalities (5 Year Average)	Fatality Rate (5 Year Average)	Serious Injuries (5 Year Average)	Serious Injury Rate (5 Year Average)	Non-motorized Fatalities and Serious Injuries (5 Year Average)
2008 - 2012	42.2	1.277	62.2	1.894	11.4
2009 - 2013	41.6	1.290	64.8	2.018	13.6
2010 - 2014	41.0	1.280	72.2	2.244	14.8
2011 - 2015	41.8	1.280	77.6	2.370	13.2
2012 - 2016	43.2	1.290	92.4	2.730	14.2
2013 - 2017	41.2	1.197	107.2	3.043	15.4
2014 - 2018	40.0	1.111	117.6	3.225	13.8
2015 - 2019	40.4	1.090	121.8	3.262	13.4
2016 - 2020	42.2	1.151	132.6	3.594	15.4
2017 - 2021	46.2	1.242	136.0	3.640	19.2
2018 - 2022	51.4	1.377	135.8	3.629	18.4
<b>2024 Target*</b>	<b>32.4</b>	<b>0.866</b>	<b>99.6</b>	<b>2.647</b>	<b>10.9</b>

## Next Steps

MPOs are not directly assessed by FHWA on their progress towards meeting safety performance targets. However, coordination and deliberate action will be needed to achieve the fatal and serious injury crash reduction goals outlined in the NC Strategic Highway Safety Plan and as communicated through the safety performance targets. We encourage additional coordination between MPO's and NCDOT Traffic Safety Unit in all areas of safety, but specifically in data sharing, safety tools development, safety need identification and shared safety project implementation. The Traffic Safety Unit is available to meet with your MPO for additional discussion and partnership.

FHWA guidance allows each MPO to establish safety performance targets by either agreeing to plan and program projects so that they contribute toward the accomplishments of the State DOT performance targets or committing to quantifiable HSIP targets for their specific MPO area. If an MPO establishes its own targets, it will need to do so in coordination with the State per FHWA guidelines. The Traffic Safety Unit is available to facilitate this coordination. As a reminder, MPOs must establish safety performance targets no later than February 27 of each year per FHWA guidance. Please transmit a signed adoption resolution indicating the establishment of safety targets for your MPO or supporting the state's targets to Daryl Vreeland ([dvreeland@ncdot.gov](mailto:dvreeland@ncdot.gov)) in the Transportation Planning Division just as you have in previous years. An adoption resolution template can be found at this [link](#).

Finally, a new NCDOT Traffic Safety website has been established to communicate safety information to the public. A few direct links that may be of specific interest to MPOs can be found below:

- Main NCDOT Traffic Safety Unit website: [link](#)
- Mapped safety data: [link](#)
  - Here you can find a variety of spatial datasets related to traffic safety, including: fatal and serious injury crashes, pedestrian and bicycle crashes, safety projects (completed, funded, and those competing for funding), and several interactive map-based dashboards that allows the user to select an area of interest for more specific crash statistics.
- Safe Streets for All Grant (SS4A) Program: [link](#)
  - Here you will find North Carolina specific information related to the SS4A grant program. It is expected that the content of this site will expand over time.

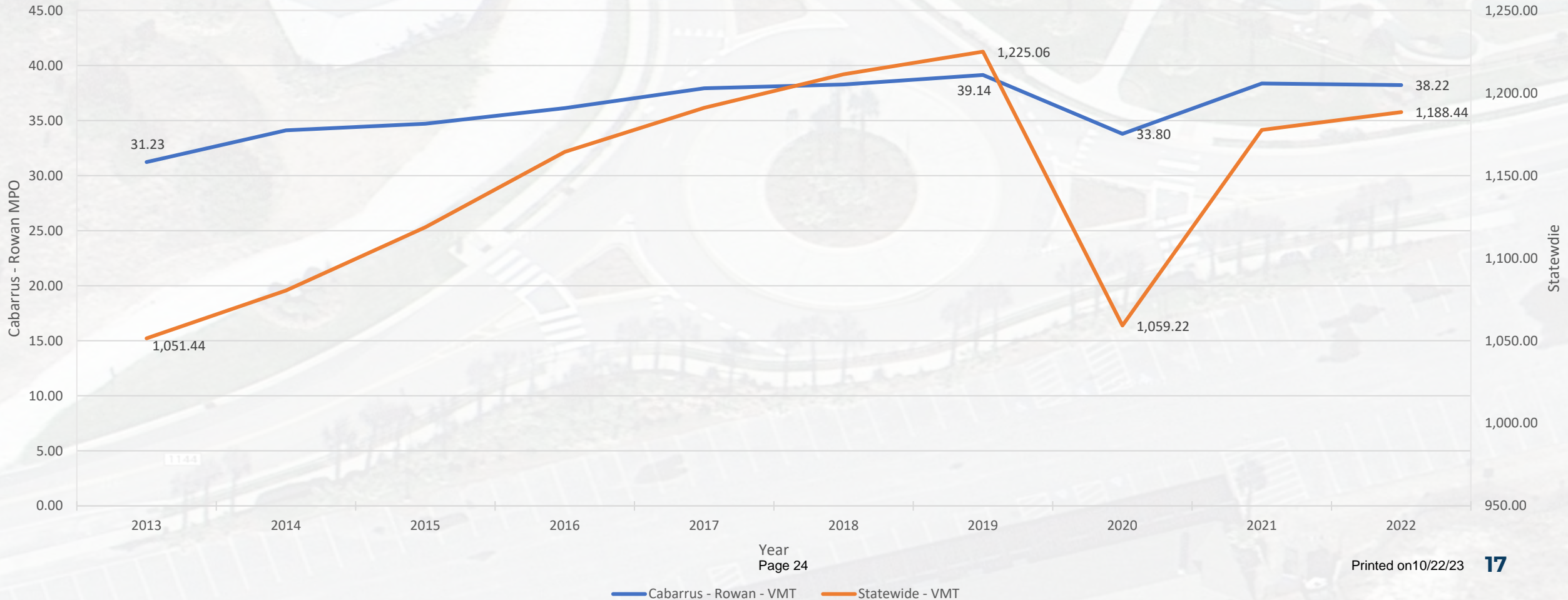
Please contact me directly at (919) 814-5100 or [bmayhew@ncdot.gov](mailto:bmayhew@ncdot.gov) for further questions or discussion.

BKM\bgm

cc: Jamal Alavi, PE, CPM  
Daryl Vreeland, AICP  
George Hoops, PE  
Shawn Troy, PE  
Brian Murphy, PE

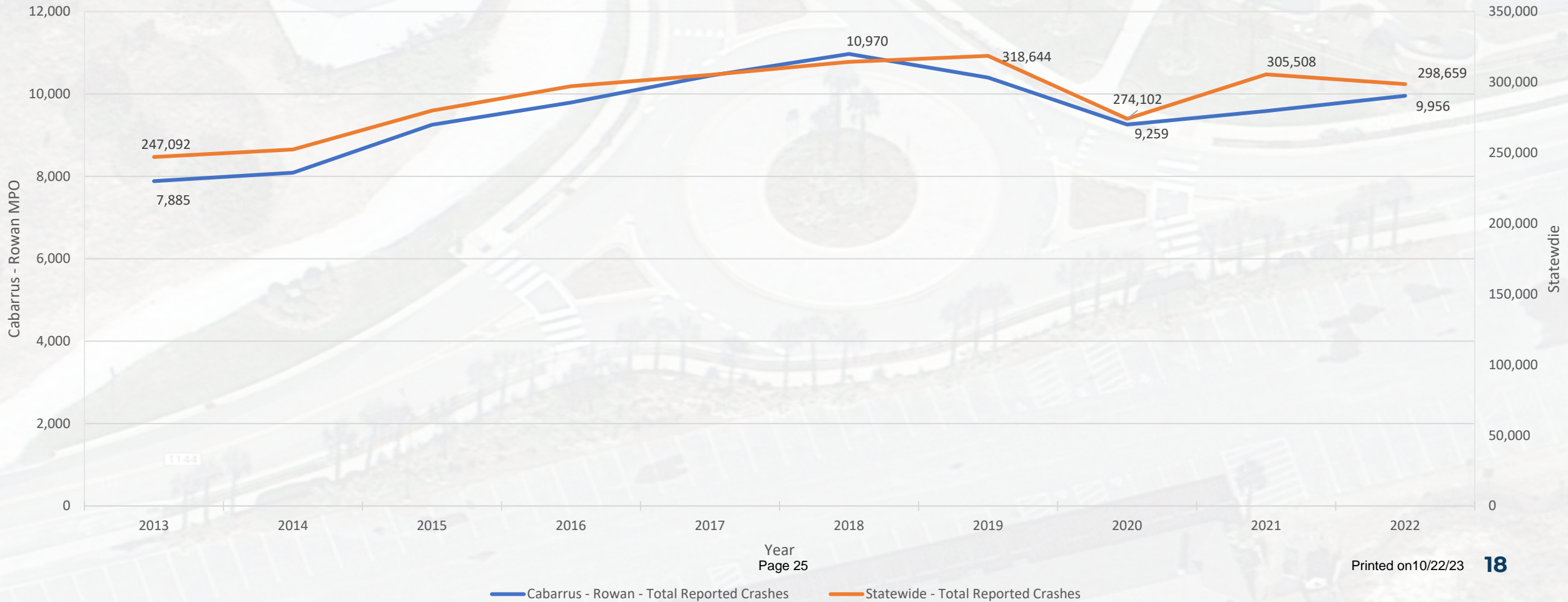


Vehicle Miles Traveled (100 MVM) by Year  
(2012 - 2022)

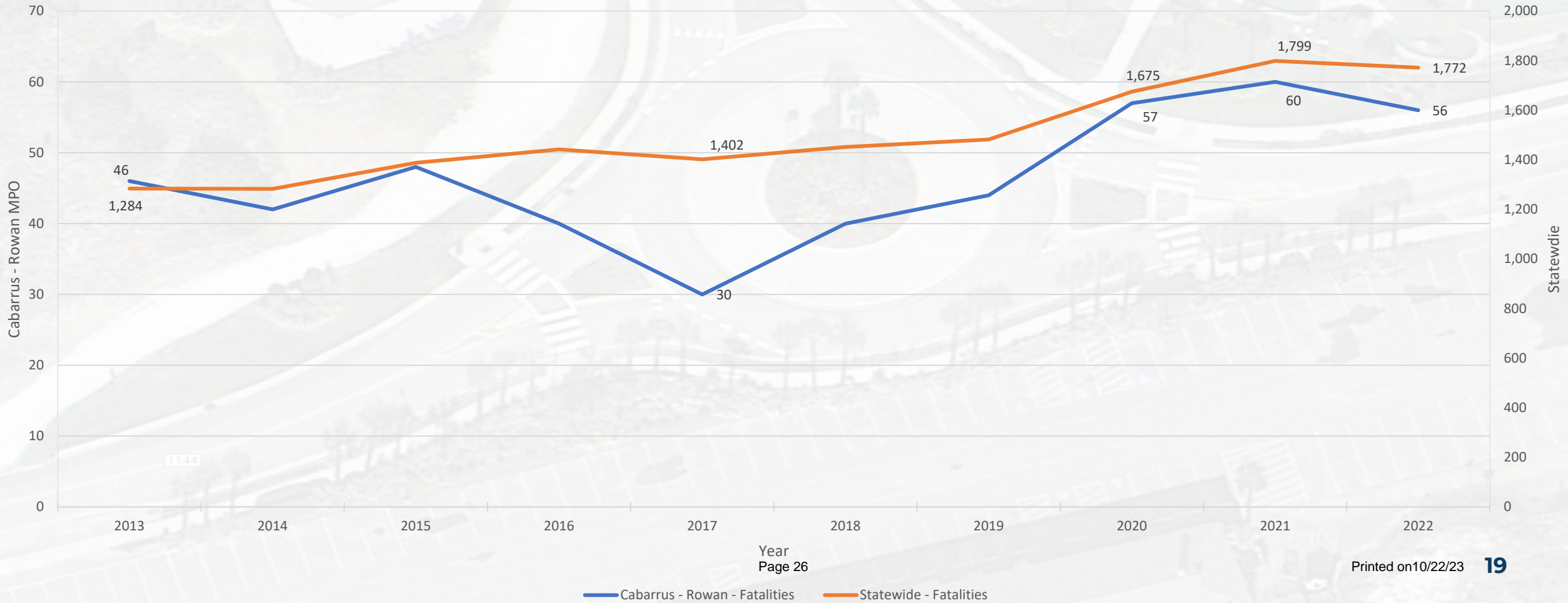




Total Reported Crashes by Year  
(2012 - 2022)

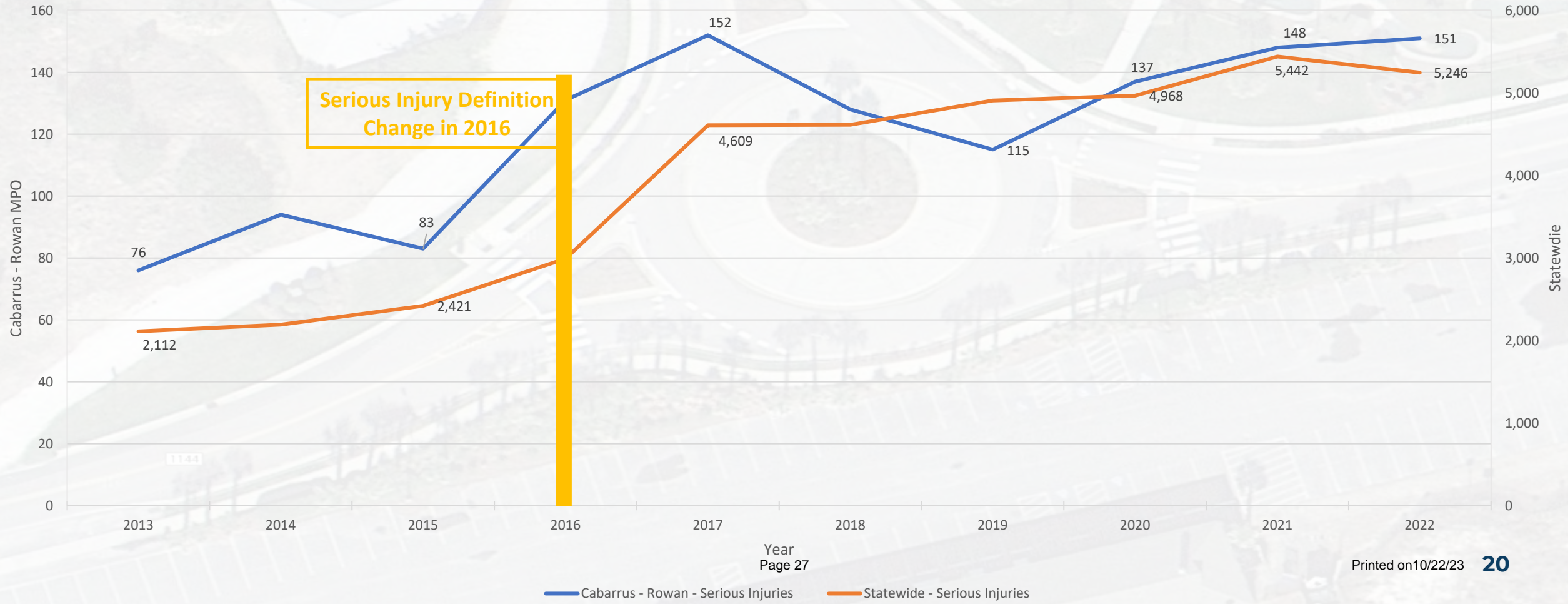


Fatalities by Year  
(2012 - 2022)

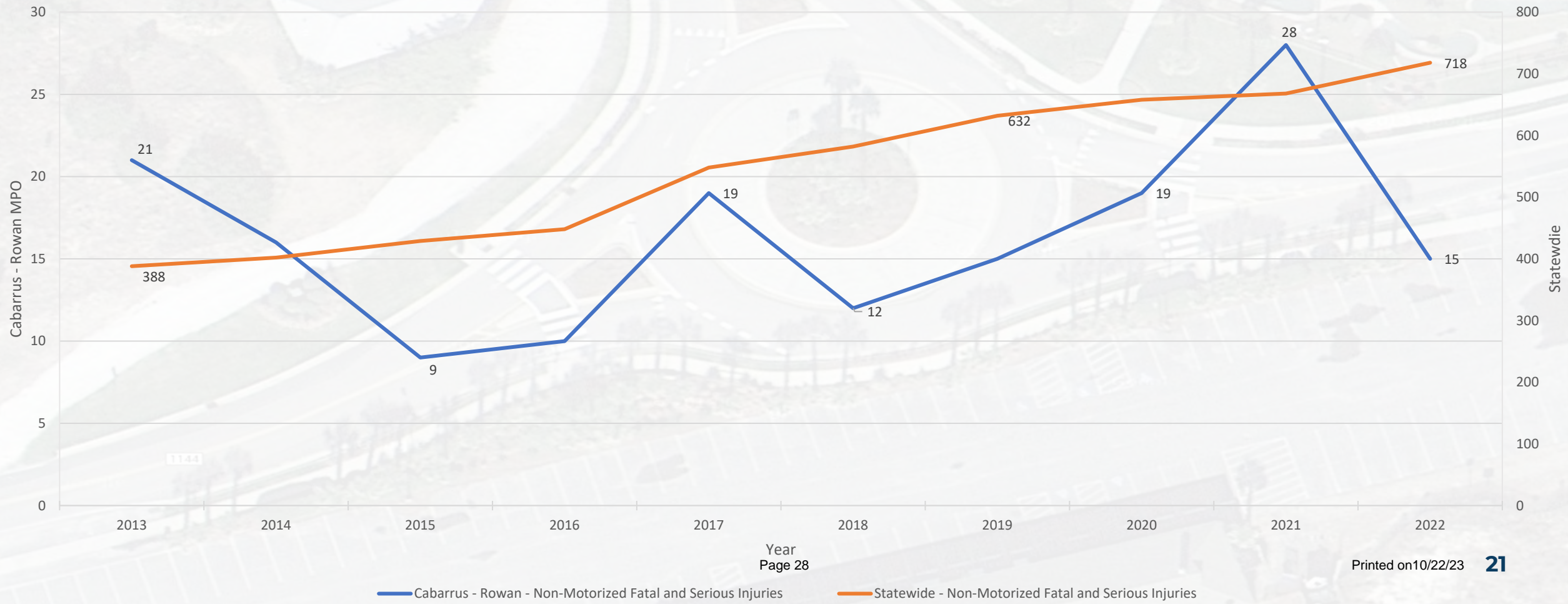




Serious Injuries by Year  
(2012 - 2022)

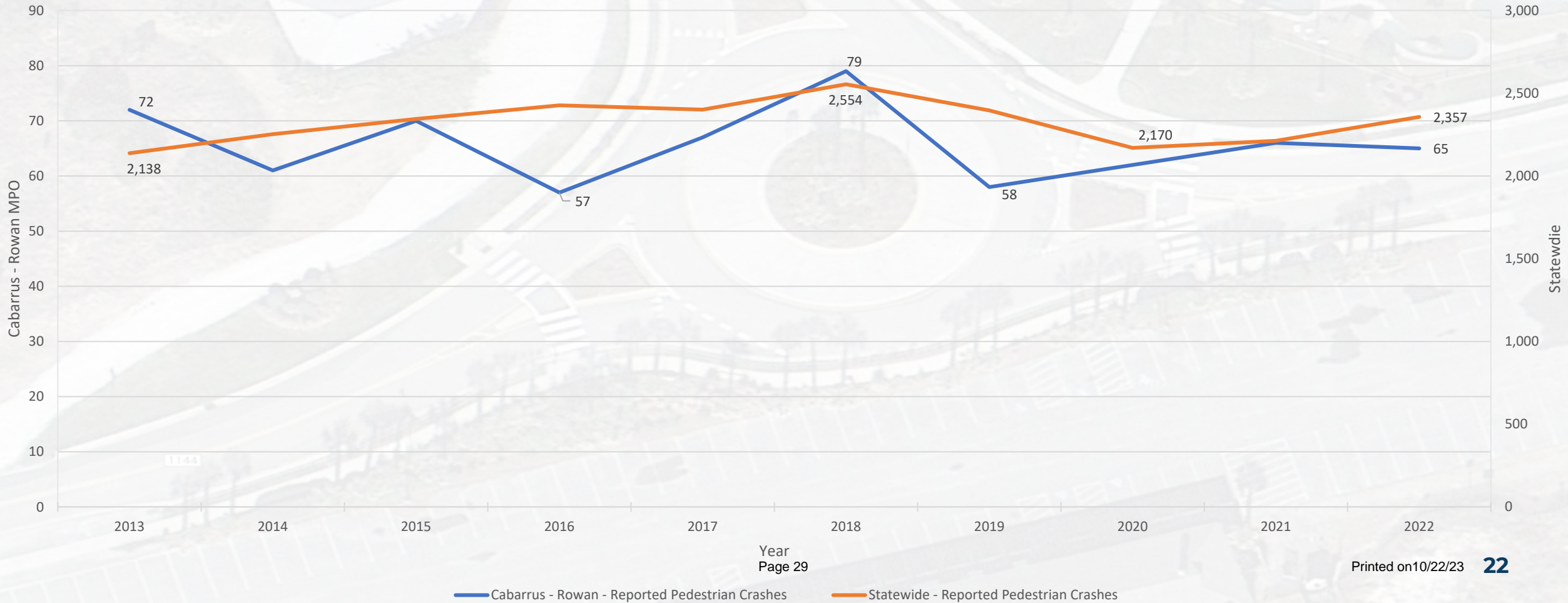


Non-Motorized Fatal and Serious Injuries by Year  
(2012 - 2022)

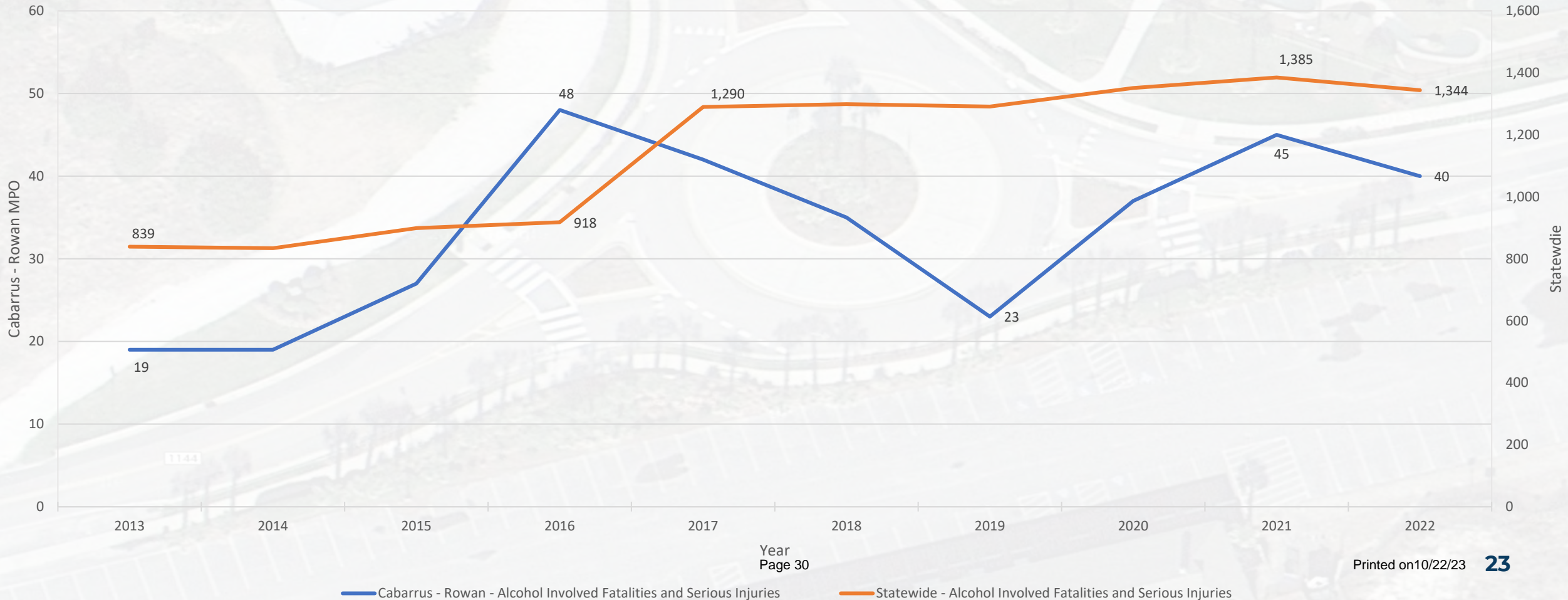




Reported Pedestrian Crashes by Year  
(2012 - 2022)

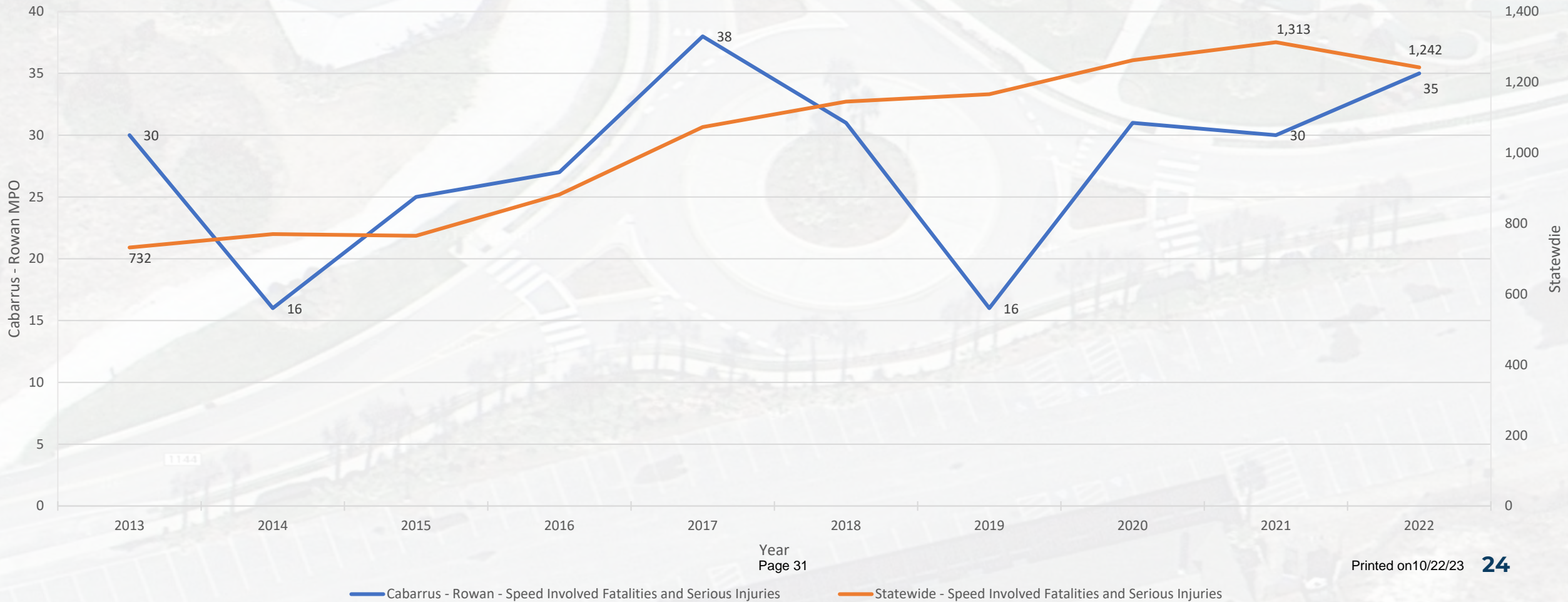


Alcohol Involved Fatalities and Serious Injuries by Year  
(2012 - 2022)

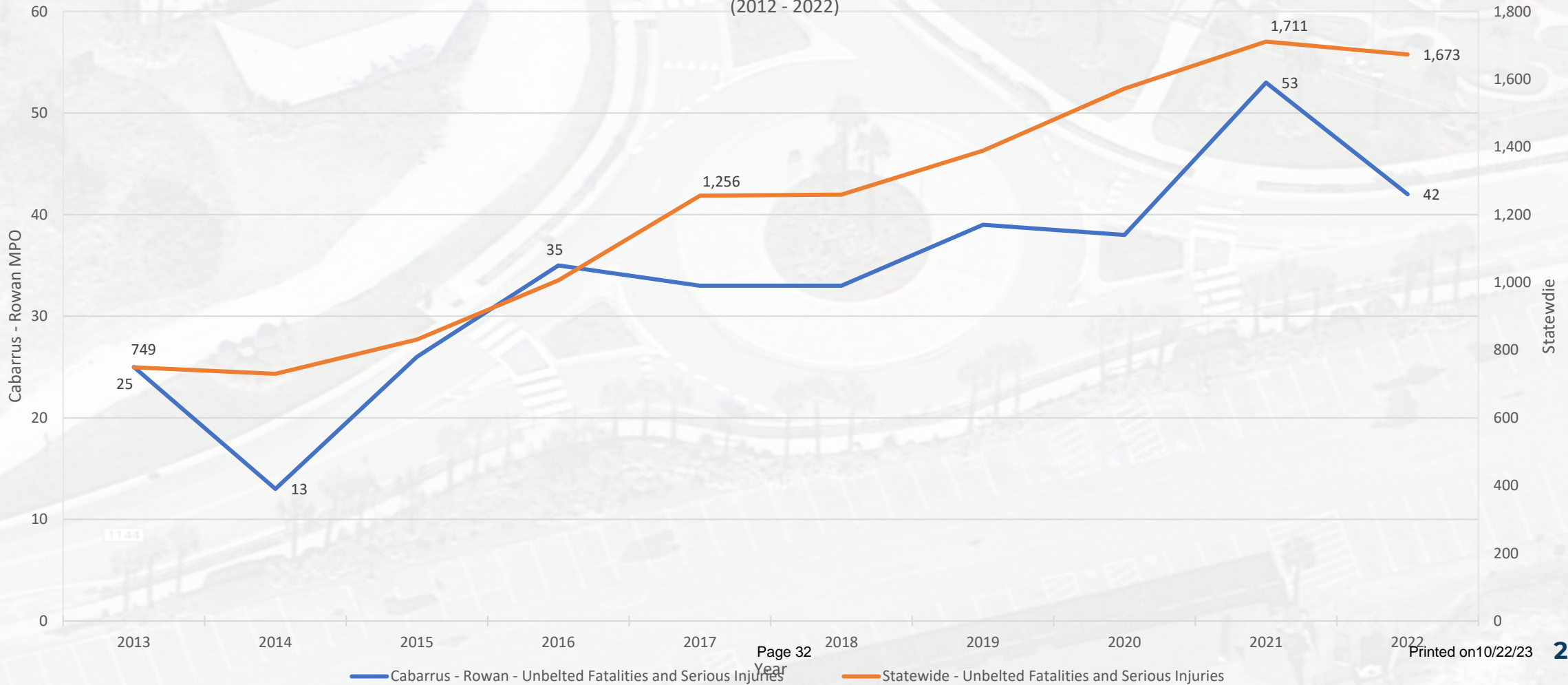




Speed Involved Fatalities and Serious Injuries by Year  
(2012 - 2022)



Unbelted Fatalities and Serious Injuries by Year  
(2012 - 2022)





Municipality	Total Crashes	Fatal Crashes	Serious Injury Crashes
China Grove	1,201	4	15
Cleveland	191	1	1
<b>Concord</b>	<b>30,086</b>	<b>72</b>	<b>165</b>
East Spencer	129	2	1
Enochville	46	1	1
Faith	107	0	1
Gold Hill	27	0	0
Granite Quarry	511	4	1
Harrisburg	3,405	9	8
<b>Kannapolis</b>	<b>10,985</b>	<b>40</b>	<b>66</b>
Landis	563	4	10
Locust	25	0	0
Midland	1,007	10	6
Mount Pleasant	402	0	1
Rockwell	549	0	3
<b>Salisbury</b>	<b>14,195</b>	<b>53</b>	<b>58</b>
Spencer	363	2	6
<b>Rural</b>	<b>31,838</b>	<b>228</b>	<b>635</b>
<b>Total</b>	<b>95,630</b>	<b>430</b>	<b>978</b>

## **Endorsement of Targets for Safety Performance Measures Established By NCDOT**

WHEREAS, the Cabarrus-Rowan MPO has been designated by the Governor of the State of North Carolina as the Metropolitan Planning Organization (MPO) responsible, together with the State, for the comprehensive, continuing, and cooperative transportation planning process for the MPO's metropolitan planning area; and;

WHEREAS the Highway Safety Improvement Program (HSIP) final rule (23 CFR Part 490) requires States to set targets for five safety performance measures by August 31, 2023, and;

WHEREAS, the North Carolina Department of Transportation (NCDOT) has established targets for five performance measures based on five year rolling averages for: (1) Number of Fatalities, (2) Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT), (3) Number of Serious Injuries, (4) Rate of Serious Injuries per 100 million VMT, and (5) Number of Non-Motorized (bicycle and pedestrian) Fatalities and Non-motorized Serious Injuries, and;

WHEREAS, the NCDOT coordinated the establishment of safety targets with the 19 Metropolitan Planning Organizations (MPOs) in North Carolina through a Safety Target Setting Coordination Training Workshop held in March, 2017, and;

WHEREAS, the NCDOT has officially established and reported the safety targets in the Highway Safety Improvement Program annual report dated August 31, 2023, and;

WHEREAS the MPO's may establish safety targets by agreeing to plan and program projects that contribute toward the accomplishment of the State's targets for each measure, or establish its own target within 180 days of the State establishing and reporting its safety targets in the HSIP annual report.

NOW THEREFORE, BE IT RESOLVED, that the Cabarrus-Rowan MPO Transportation Advisory Committee (TAC) agrees to plan and program projects that contribute toward the accomplishment of the State's targets as noted below for each of the aforementioned performance measures:

- **For the 2024 Highway Safety Improvement Plan (HSIP), the goal is to reduce total fatalities by 23.22 percent each year from 1,494.8 (2017-2021 average) to 1,151.7 (2020-2024 average) by December 31, 2024.**
- **For the 2024 Highway Safety Improvement Plan (HSIP), the goal is to reduce the fatality rate by 24.39 percent from 1.279 (2017-2021 average) to .967 (2020-2024 average) by December 31, 2024.**
- **For the 2024 Highway Safety Improvement Plan (HSIP), the goal is to reduce total serious injuries by 32.45 percent from 4,903.4 (2017-2021 average) to 3,312.1 (2020-2024 average) by December 31, 2024.**
- **For the 2024 Highway Safety Improvement Plan (HSIP), the goal is to reduce the serious injury rate by 34.08 percent from 4.195 (2017-2021 average) to 2.765 (2020-2024 average) by December 31, 2024.**
- **For the 2024 Highway Safety Improvement Plan (HSIP), the goal is to reduce the total non-motorized fatalities and serious injuries by 29.21 percent from 637.2 (2017-2021 average) to 451.1 (2020-2024 average) by December 31, 2024.**

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Ryan Dayvault, TAC Chair

# MINUTES

## TRANSPORTATION ADVISORY COMMITTEE

Wednesday, August 23, 2023

NC Research Campus  
Kannapolis City Hall  
401 Laureate Way  
Kannapolis, NC 28081

### Members

JC McKenzie	City of Concord
Greg Edds	Rowan County
Ryan Dayvault	City of Kannapolis
Justin Simpson	Town of Mount Pleasant
Dillion Brewer	Town of Rockwell
Brittany Barnhardt	Town of Granite Quarry
Steve Miller	Town of Spencer
Ron Smith	Town of Harrisburg
Charles Seaford	Town of China Grove
Delores High	Town of East Spencer
Lynn Shue	Cabarrus County

### Others

Phil Conrad	CRMPO Director
Theo Ghitea	NCDOT Div 10
Pat Ivey	NCDOT Div 9
Scott Miller	NCDOT Div 10
Phillip Craver	NCDOT Div 9
Albert Smith	East Spencer
Chery Sheets	China Grove
Brett Canipe	NCDOT Div 10
Sean Epperson	NCDOT Div 10
Terry Crawford	City of Concord
Andrew Howe	Town of Spencer
Wilmer Melton	City of Kannapolis
Valerie Steele	Mid-Carolina Airport
Andy Shook	Talbert Bright & Ellington, Inc
Connie Cunningham	CRMPO Staff

### Call to Order

The Cabarrus Rowan MPO TAC was called to order by TAC Chairman Ryan Dayvault. Chairman Dayvault welcomed everyone to the meeting and asked all present to recite the Pledge of Allegiance to a flag displayed. At that time, CRMPO Director Phil Conrad thanked the Town of Harrisburg for a meal that was served prior to the start of the meeting. TAC Chairman Dayvault proceeded to call the roll of eligible voting TAC members and determined that a quorum had been met.

Chairman Dayvault continued on by reading the NC State Ethics Commission Ethics Awareness and Conflict of Interest requirement and stated that should a conflict arise during any part of the meeting, members should recuse themselves from that portion of the meeting.

Chairman Dayvault then asked for any Chamber of Commerce updates. CRMPO Director Phil Conrad addressed the members on behalf of the respective Chambers. He reminded TAC members about the upcoming Cabarrus County Chamber's Regional Infrastructure Summit on September 15 at the Cabarrus County Milestone Building in Kannapolis. He also reported that

the Rowan Chamber will be traveling to Washington, DC in October. With no other reports heard, Chairman Dayvault asked if there were any speakers from the floor. With none being heard he moved on to the next order of business.

TAC Chairman Dayvault asked if there were any adjustments to the meeting agenda including the Consent Agenda. CRMPO Director Conrad addressed the Chairman and requested that an item on Senate Bill 512 be added to the end of Reports. Without any further adjustments heard Mr. Charles Seaford made a motion to approve the agenda including Consent Agenda with the one addition. Mr. J.C. McKenzie seconded the motion and TAC members voted unanimously to approve.

## **CONSENT AGENDA**

All items on the consent agenda are considered routine and may be enacted by one motion. If a TAC member requests discussion on an item, the item will be removed from the consent agenda and considered separately. The following items were presented for TAC consideration on the Consent Agenda:

## **NO ITEMS FOR CONSIDERATION**

## **THIS CONCLUDES THE CONSENT AGENDA**

### **Approval of May 24, 2023 Minutes**

Chairman Dayvault called members' attention to the minutes from the May 24, 2023 meeting included in their meeting packets. Chairman Dayvault asked if there were any corrections or additions to the minutes. With none being heard, Mr. Dillion Brewer made the motion to approve the minutes as presented. Mr. Charles Seaford seconded the motion and the TAC members followed with a unanimous vote to approve.

### **FY 2020-2029 MTIP Modification #19**

CRMPO Director Phil Conrad reminded the TAC members that sometimes staff will bring amendments or modifications from recent NCDOT Board of Transportation agendas to the TCC and TAC for consideration. Director Conrad reported that the first project modification was the addition of preliminary engineering for City of Concord's Clarke Creek Greenway in FY 23 (BL-0060). The second project modification is the addition of the Concord Signal System project in FY 2024 (HE-0123). The third project modification is to add a project break for the Vulnerable Road User Pedestrian Bicycle Improvement Program in FY 23 for (HS-2024DIV) and (HS-2024REG) and (HS-2024SW) and (HS-2025DIV) and (HS-2025REG) and (HS-2025SW). Director Conrad reported that these projects are being funded by new sources of funding. The final project he stated, is to delay professional engineering to FY 23 for the Brenner Avenue Safety Improvements (HL-0049).

Director Conrad then called members' attention to Attachment 3 in their packets which was a resolution modifying the MTIP for these projects. He continued by stating that the new STIP was adopted in June and will be effective October 1, 2023.

With no questions and comments heard, Mr. Greg Edds made a motion to endorse modification #19 to the FY 2020-2029 MTIP. Mrs. Brittany Barnhardt seconded the motion and the TAC members voted unanimously to approve.

### **FY 2024-2027 TIP Conformity**

Director Conrad reminded the TAC members that the Cabarrus-Rowan MPO and the Metrolina Regional Partners have been working on an Air Quality Conformity Analysis and Determination Report for the 2024-2027 TIP. Director Conrad explained that the TIP Conformity Report demonstrates that the financially constrained MTP's in the Metrolina Region meet national ambient air quality standards. He went on to call TAC members' attention to an explanation of the fiscal constraint prologue which was included as attachment 4A.

The report, Director Conrad explained also certifies that the Transportation Improvement Program is a subset of the 2050 MTP and the Conformity Report is consistent with the State Implementation Plan (SIP). He also called attention to Attachment 4B which was an excerpt from the TIP Conformity Report. Director Conrad reviewed the excerpt in detail for the TAC members.

After all discussion, and with no questions or comments being heard, Mr. Justin Simpson made a motion to adopt the Air Quality Conformity Analysis and Determination for the 2024-2027. Mr. Steve Miller seconded that motion and the TAC members voted unanimously to approve. Immediately following that vote, Mr. Dillion Brewer made a motion to adopt the supporting financial information for the STIP. Mr. Justin Simpson seconded that motion and the TAC members again voted unanimously to approve.

### **FY 2023-2024 UPWP Amendment #1**

CRMPO Director Conrad explained that the CRMPO currently has some special study funds that have not been assigned. Director Conrad reported that the Town of China Grove is requesting \$48,000 in special study funds for a corridor study of NC 152 east. Director Conrad explained that the Town would be responsible for the remaining 20 percent local match (\$12,000) for their proposed project.

With no questions or comments heard, Director Conrad called members' attention to Attachment #5 which was a draft resolution to amend the UPWP and increase the line item for "Special Studies" (II-B-3) by \$48,000.

After review, Director Conrad asked for any questions or comments. With none heard, Mr. Dillion Brewer made a motion to adopt Amendment #1 to the 2023-2024 UPWP. Mrs. Brittany Barnhardt seconded that motion and the TAC members voted unanimously to approve.

## **RIDER Public Transportation Agency Safety Plan**

CRMPO Director Phil Conrad reported to the TAC members that the Public Transportation Agency Safety Plan (PTASP) final rule (49 C.F.R. Part 673) requires certain operators of public transportation systems that are recipients or subrecipients of FTA grant funds to develop safety plans that include the processes and procedures necessary for implementing Safety Management Systems (SMS). Director Conrad went on to say that on December 16, 2019, Concord Kannapolis Area Transit/City of Concord notified NCDOT that they would not be drafting and certifying their own Public Transportation Agency Safety Plan, choosing to draft and certify their Public Transportation Agency Safety Plan under NCDOT's framework and requirements as they are allowed by FTA to do as a small (less than 100 bus) public transportation provider.

Director Conrad explained that the document was approved by the Concord Kannapolis Area Transit Commission on August 2, 2023. He went on to say that the document will now go to the Concord City Council for approval following action by the CRMPO TAC. Director Conrad closed in saying that a request for approval by the NCDOT is the last step prior to final certification and that a copy of the PTASP (309 pages) can be found at: [www.ckrider.com/resources/documents/](http://www.ckrider.com/resources/documents/).

Director Conrad asked for any questions or comments. With none being heard, Mrs. Brittany Barnhardt made a motion to approve the RIDER Public Transportation Agency Safety Plan. Mr. Charles Seaford seconded that motion and the TAC members voted unanimously to approve.

## **Draft 2026-2035 TIP Project Call Addendum**

Director Conrad reported to the TAC members that with the anticipated adoption of the 2024-2033 TIP in June, CRMPO staff has prepared a schedule for identifying and adopting the next STI list for the CRMPO area. The first step Director Conrad explained was to have a call for new projects (all modes). The deadline for submitting new projects he stated was May 5th.

Over the summer, the CRMPO received 2 project additions to the list of new projects: The first one was regarding the Asheville to Salisbury Passenger Rail and the second was the Mid-Carolina Parallel Taxiway. Director Conrad then called members' attention to Attachment 7A which included the resolutions and supporting information for the 2 projects. After the review, Director Conrad called members' attention to Attachment 7B which was an amended list of the new projects (11). He explained that this list is not inclusive of any holding tank (select), P6.0 carryover, or previous carryover projects that will automatically be evaluated by NCDOT. He closed by stating that a list will be provided by NCDOT at a later date.

Director Conrad went on to introduce Mrs. Valerie Steele from Rowan County and Mr. Andy Shook, who are both involved with both projects. They both provided some additional background information for the TAC members. Once they were finished Director Conrad asked for any questions or comments. With none heard, Mr. Steve Miller made a motion to endorse the two new TIP Priority projects for submittal to NCDOT for quantitative review. Mr. Greg Edds seconded that motion and the TAC members voted unanimously to approve.

## **Reports/CRMPO Business**



1. Local Reports - NCDOT Division 9 & 10 – Mr. Pat Ivey, NCDOT Division 9 reported to the TAC members that Division 9 Updates are included in their meeting packet. He called attention to project HE-0009 and reviewed for the members. Mr. Brett Canipe, NCDOT Division 10 called TAC members' attention to a spreadsheet of Division 10 project updates. He reviewed the Old Airport Road, Stough Road, and NC 3 projects.
2. Rowan Transit System Section 5310 Grant Application Letter of Support – Director Phil Conrad reported to the TAC members that Rowan County is seeking a letter of support from the CRMPO regarding their request for Federal Section 5310 funding. Mrs. Valerie Steele from Rowan County addressed the members and reported that this funding would enable Rowan County to continue to provide transportation for elderly and disabled citizens. With no questions or discussion, Mr. JC McKenzie made a motion to provide a letter of support for Rowan County as they seek Section 5310 funds. Mr. Greg Edds seconded that motion and the members voted unanimously to approve.
3. Federal Certification Review — Director Conrad reported to the TAC members that since the CRMPO is a federal designated Transportation Management Area (TMA), the Cabarrus-Rowan MPO is required to participate in a Federal Certification review regularly. He went on to explain that this review is conducted by the FHWA and certifies whether the CRMPO has a valid transportation planning process. The FHWA conducted the most recent review on February 27th. Part of the requirement was for the FHWA to complete a desk audit in advance of the virtual review. (The FHWA staff was unable to attend the TAC meeting.) Director Conrad called members' attention to a summary of the findings of this review included in their meeting packets. Director Conrad asked the members if there were any questions or comments.
4. 2020 Census Planning Boundary Schedule of Activities - CRMPO Director Phil Conrad provided the members with a power point presentation on the Planning Boundary Schedule. He provided background information on the US Census and explained in detail the potential issues in setting these boundaries. He also reviewed the current MOU. He explained to the TAC members that they could update the current MOU or continue status quo. With little discussion, Mr. Ron Smith made a motion to retain the status quo regarding the CRMPO MOU and Planning Boundary. Mr. Charles Seaford seconded that motion and the TAC members voted unanimously in favor.
5. Special Studies Closeouts – Rowan County and Town of China Grove – Director Conrad that Rowan County and the Town of Spencer have reviewed the draft study. He also reported that an NCDOT workshop will be held later this month and that public comments will be solicited after the workshop. Director Conrad also reported that the Town of China Grove's Main Street Corridor Study is complete. Mr. Charles Seaford provided some additional information as well on the Town's project.
6. CMAQ Program Update – Director Phil Conrad provided the TAC members with a power point presentation explaining new updates to the CMAQ program. He called attention to five new project submittals and reviewed them with the members.
7. Senate Bill 512 – Director Conrad explained Senate Bill 512 for the TAC members so that they would have knowledge of what it is and it's future impacts on the NC Board of Transportation.

### **Informational Items**

- ✦ RIDER Transit and Salisbury Transit Ridership Information - Phil called the TAC members' attention to the ridership information included in their packets.
- ✦ TPD Newsletter- Included in the meeting packet.

Next Meeting : September 27, 2023

### **Adjournment**

With no other business to bring before the TAC, Chairman Dayvault adjourned the meeting.



RESOLUTION ADOPTING MODIFICATION #1 TO THE CABARRUS-ROWAN  
METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM FOR FY 2024-2033

**WHEREAS**, the Metropolitan Transportation Improvement Program (MTIP) is a staged multiple year listing of all federally funded transportation projects scheduled for implementation within the Cabarrus-Rowan Urban Area which have been selected from a priority list of projects; and

**WHEREAS**, the document provides the mechanism for official endorsement of the program of projects by the Transportation Advisory Committee (TAC); and

**WHEREAS**, the Transportation Advisory Committee has reviewed the current FY 2024-2033 Transportation Improvement Program, dated October 1, 2023, and found the need to modify it;

**WHEREAS**, the following attached modification has been proposed.

**WHEREAS**, Projects listed in the MTIP are also included in the State TIP (STIP) and balanced against anticipated revenues as identified in the STIP; and

**WHEREAS**, the Metropolitan Transportation Plan has a planning horizon year of 2050, and meets all the requirements in 23 CFR 450; and

**WHEREAS**, the Transportation Advisory Committee has found that the Transportation Improvement Program conforms to the purpose of the North Carolina State Implementation Plan (*or interim emissions tests in areas where no SIP is approved or found adequate*) for maintaining the National Ambient Air Quality Standards in accordance with 40 CFR 51 & 93; and

**WHEREAS**, the Transportation Advisory Committee has determined that the proposed modification is exempt from the requirements for determining air quality conformity in accordance with 40 CFR 93.127.

**NOW THEREFORE**, be it resolved by the Cabarrus-Rowan Urban Area Transportation Advisory Committee that the FY 2024-2033 Metropolitan Transportation Improvement Program dated October 1, 2023, for the Cabarrus Rowan Urban Area Metropolitan Planning Organization be modified as listed above on this the 25th day of October, 2023.

I, Ryan Dayvault, Transportation Advisory Committee Chair, do hereby certify that the above is a true and correct copy of the excerpt from the minutes of a meeting of the Cabarrus-Rowan Transportation Advisory Committee, duly held on the 25th day of October 2023.

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Ryan Dayvault, Chair  
Transportation Advisory Committee

## Modifications to the 2024-2033 STIP

Statewide project additions: HM-9999, HS-2420DIV, HS-2420, HS-2420REG, HS-2420SW, HS-2421DIV, HS-2421REG, HS-2421SW, HS-2422DIV, HS-2420REG, HS-2422SW, SM-6215DIV, SM-6215REG, SM-6215SW, HO-0010B, M-556, TO-0004, P-2918, P-5719C, TC-0008, TC-0010, and TC-0012.

- The second project modification is the addition of preliminary engineering for the Concord sidewalk projects (BL-0087).
- The third project modification is to delay construction to FY 24 for the north apron expansion at Concord Regional Airport (AV-5892).
- The fourth project modification is to delay construction to FY 25 for the Bethpage Road sidewalk (C-5603F).
- The fifth project modification is to delay construction to FY 24 for the Grants Creek Greenway (EB-5619B).
- The sixth project modification is to delay construction to FY 24 for the Grants Creek Greenway (EB-5619C).
- The seventh project modification is to the cost increase for the NC 152 roundabout (HE-0009).
- The eighth project modification is to delay right-of-way to FY 24 for the Poplar Tent and Harris Intersection project (HL-0001).
- The ninth project modification is to delay right-of-way to FY 24 for the Brenner Avenue roundabout project (HE-0049).
- The tenth project modification is to delay construction to FY 25 for the US 29/Main Street improvements (HL-0064).
- The eleventh project modification is to add intersection improvements at NC 152 and NC 153 with construction in FY 24 (HS-2009I).
- The twelfth project modification is to add wrong way pavement marking signs on I-85 in FY 24 (HS-2010M).
- The thirteenth project modification is to increase the cost for the equipment and capital yard maintenance facility (P-2918).
- The fourteenth project modification is to delay construction to FY 24 for the Piedmont Corridor trains and maintenance facility (P-5719C).
- The fifteenth project modification is to delay construction to FY 24 for the Norfolk Southern crossover relocation (P-5726B).
- The sixteenth project modification is to accelerate right-of-way to FY 24 for the Salisbury Train Station waiting area improvements (P-5733).
- The seventeenth project modification is the segmenting of NC 73 into BA and BB for R-5706B.
- The eighteenth project modification is the delay of construction to FY 26 for the Dale Earnhardt Blvd intersection improvements (U-5761).

- The nineteenth project modification is the addition of segment E to the Rice Street and Cannon Farm Road project (W-5709E) in FY 24.
- The twentieth project modification is to delay construction to FY 24 for the Old Salisbury Road/Irish Potato Road safety improvements (W-5710AO).
- The twenty-first project modification is the cost increases to the North Main Street improvements (U-6062).
- The twenty-second project modification is the project break for the Robinson Church Road/Peach Orchard Road improvements (HS-2010R).
- The twenty-third project modification is the project break for the NC 49/Old Airport Road U-turn bulbout (HS-2010Q).
- The twenty-fourth project modification is the project break for the NC 49/US 601 rumble strips (HS-2010P).
- The twenty-fifth project modification is the project break for the NC 73 rumble strips (HS-2010O).
- The twenty-sixth project modification is the delay of right-of-way to FY 24 for the Little Texas Road sidewalk (EB-5844).
- The twenty-seventh project modification is the delay of right-of-way to FY 24 for the US 601/Flowes Store Road intersection improvements (C-5603I).
- The final project modification is the project additional related to a federal grant for pedestrian safety elements such as countdown signal heads, crosswalks, etc. (BO-2419)

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

STATEWIDE PROJECT

STIP ADDITIONS

* HM-9999 STATEWIDE	- STATEWIDE PROJECT	VARIOUS, MUNICIPAL BRIDGE INSPECTION PROGRAM. IMPLEMENTATION <u>ADD PROJECT AT THE REQUEST OF THE STRUCTURES MANAGEMENT UNIT.</u>		FY 2024 - \$1,000,000 (BGOFF) FY 2025 - \$1,000,000 (BGOFF) FY 2026 - \$1,000,000 (BGOFF) FY 2027 - \$1,000,000 (BGOFF) FY 2028 - \$1,000,000 (BGOFF) FY 2029 - \$1,000,000 (BGOFF) FY 2030 - \$1,000,000 (BGOFF) FY 2031 - \$1,000,000 (BGOFF) FY 2032 - \$1,000,000 (BGOFF) FY 2033 - \$1,000,000 (BGOFF) AFTER FY 2033 - <u>\$4,000,000</u> (BGOFF) \$14,000,000
* HS-2015DIV STATEWIDE PROJ.CATEGORY DIVISION	- STATEWIDE PROJECT	VARIOUS, VULNERABLE ROAD USER PEDESTRIAN / BICYCLE IMPROVEMENT PROGRAM EXCLUDING GRAND STRAND MPO. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	CONSTRUCTION	FY 2024 - <u>\$2,100,000</u> (VRU) \$2,100,000
* HS-2015REG STATEWIDE PROJ.CATEGORY REGIONAL	- STATEWIDE PROJECT	VARIOUS, VULNERABLE ROAD USER PEDESTRIAN / BICYCLE IMPROVEMENT PROGRAM EXCLUDING GRAND STRAND MPO. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	CONSTRUCTION	FY 2024 - <u>\$2,100,000</u> (VRU) \$2,100,000
* HS-2015SW STATEWIDE PROJ.CATEGORY STATEWIDE	- STATEWIDE PROJECT	VARIOUS, VULNERABLE ROAD USER PEDESTRIAN / BICYCLE IMPROVEMENT PROGRAM EXCLUDING GRAND STRAND MPO. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	CONSTRUCTION	FY 2024 - <u>\$2,800,000</u> (VRU) \$2,800,000

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

STATEWIDE PROJECT

STIP ADDITIONS

HS-2420DIV STATEWIDE PROJ.CATEGORY DIVISION	- STATEWIDE PROJECT	VARIOUS, SIGNAL RETIMING AND SIGNAL OPERATIONS SOFTWARE TO IMPROVE SAFETY. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	ENGINEERING	FY 2024 -	\$8,500,000	(T)
				FY 2025 -	\$8,500,000	(T)
				FY 2026 -	\$8,500,000	(T)
				FY 2027 -	\$8,500,000	(T)
				FY 2028 -	\$8,500,000	(T)
				FY 2029 -	<u>\$8,500,000</u>	(T)
				\$51,000,000		
HS-2420REG STATEWIDE PROJ.CATEGORY REGIONAL	- STATEWIDE PROJECT	VARIOUS, SIGNAL RETIMING AND SIGNAL OPERATIONS SOFTWARE TO IMPROVE SAFETY. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	ENGINEERING	FY 2024 -	\$8,500,000	(T)
				FY 2025 -	\$8,500,000	(T)
				FY 2026 -	\$8,500,000	(T)
				FY 2027 -	\$8,500,000	(T)
				FY 2028 -	\$8,500,000	(T)
				FY 2029 -	<u>\$8,500,000</u>	(T)
				\$51,000,000		
HS-2420SW STATEWIDE PROJ.CATEGORY STATEWIDE	- STATEWIDE PROJECT	VARIOUS, SIGNAL RETIMING AND SIGNAL OPERATIONS SOFTWARE TO IMPROVE SAFETY. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	ENGINEERING	FY 2024 -	\$8,500,000	(T)
				FY 2025 -	\$8,500,000	(T)
				FY 2026 -	\$8,500,000	(T)
				FY 2027 -	\$8,500,000	(T)
				FY 2028 -	\$8,500,000	(T)
				FY 2029 -	<u>\$8,500,000</u>	(T)
				\$51,000,000		
HS-2421DIV STATEWIDE PROJ.CATEGORY DIVISION	- STATEWIDE PROJECT	VARIOUS, SAFETY MANAGEMENT PROGRAM, PROJECT IDENTIFICATION, ANALYSIS AND PRELIMINARY ENGINEERING. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	ENGINEERING	FY 2024 -	\$15,000,000	(T)
				FY 2025 -	\$15,000,000	(T)
				FY 2026 -	\$15,000,000	(T)
				FY 2027 -	\$15,000,000	(T)
				FY 2028 -	\$15,000,000	(T)
				FY 2029 -	<u>\$15,000,000</u>	(T)
				\$90,000,000		

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

STATEWIDE PROJECT

STIP ADDITIONS

HS-2421REG STATEWIDE PROJ.CATEGORY REGIONAL	- STATEWIDE PROJECT	VARIOUS, SAFETY MANAGEMENT PROGRAM, PROJECT IDENTIFICATION, ANALYSIS AND PRELIMINARY ENGINEERING. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	ENGINEERING	FY 2024 - \$15,000,000 (T) FY 2025 - \$15,000,000 (T) FY 2026 - \$15,000,000 (T) FY 2027 - \$15,000,000 (T) FY 2028 - \$15,000,000 (T) FY 2029 - <u>\$15,000,000 (T)</u> \$90,000,000
HS-2421SW STATEWIDE PROJ.CATEGORY STATEWIDE	- STATEWIDE PROJECT	VARIOUS, SAFETY MANAGEMENT PROGRAM, PROJECT IDENTIFICATION, ANALYSIS AND PRELIMINARY ENGINEERING. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	ENGINEERING	FY 2024 - \$15,000,000 (T) FY 2025 - \$15,000,000 (T) FY 2026 - \$15,000,000 (T) FY 2027 - \$15,000,000 (T) FY 2028 - \$15,000,000 (T) FY 2029 - <u>\$15,000,000 (T)</u> \$90,000,000
HS-2422DIV STATEWIDE PROJ.CATEGORY DIVISION	- STATEWIDE PROJECT	VARIOUS, HIGHWAY SYSTEM DATA COLLECTION. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	ENGINEERING	FY 2024 - \$5,000,000 (T) FY 2025 - \$5,000,000 (T) FY 2026 - \$5,000,000 (T) FY 2027 - \$5,000,000 (T) FY 2028 - \$5,000,000 (T) FY 2029 - \$5,000,000 (T) FY 2030 - \$5,000,000 (T) FY 2031 - \$5,000,000 (T) FY 2032 - \$5,000,000 (T) FY 2033 - <u>\$5,000,000 (T)</u> \$50,000,000

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

STATEWIDE PROJECT

STIP ADDITIONS

HS-2422REG	- STATEWIDE PROJECT	VARIOUS, HIGHWAY SYSTEM DATA COLLECTION.	ENGINEERING	FY 2024 -	\$5,000,000	(T)
STATEWIDE		<u>ADD PROJECT AT THE REQUEST OF THE</u>		FY 2025 -	\$5,000,000	(T)
PROJ.CATEGORY		<u>TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>		FY 2026 -	\$5,000,000	(T)
REGIONAL				FY 2027 -	\$5,000,000	(T)
				FY 2028 -	\$5,000,000	(T)
				FY 2029 -	\$5,000,000	(T)
				FY 2030 -	\$5,000,000	(T)
				FY 2031 -	\$5,000,000	(T)
				FY 2032 -	\$5,000,000	(T)
				FY 2033 -	<u>\$5,000,000</u>	(T)
					\$50,000,000	
HS-2422SW	- STATEWIDE PROJECT	VARIOUS, HIGHWAY SYSTEM DATA COLLECTION.	ENGINEERING	FY 2024 -	\$5,000,000	(T)
STATEWIDE		<u>ADD PROJECT AT THE REQUEST OF THE</u>		FY 2025 -	\$5,000,000	(T)
PROJ.CATEGORY		<u>TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>		FY 2026 -	\$5,000,000	(T)
STATEWIDE				FY 2027 -	\$5,000,000	(T)
				FY 2028 -	\$5,000,000	(T)
				FY 2029 -	\$5,000,000	(T)
				FY 2030 -	\$5,000,000	(T)
				FY 2031 -	\$5,000,000	(T)
				FY 2032 -	\$5,000,000	(T)
				FY 2033 -	<u>\$5,000,000</u>	(T)
					\$50,000,000	
SM-6215DIV	- STATEWIDE PROJECT	VARIOUS, SCHOOL TRAFFIC ANALYSIS FOR NEW,	ENGINEERING	FY 2024 -	\$1,000,000	(T)
STATEWIDE		RELOCATED AND EXPANDING SCHOOLS.		FY 2025 -	\$1,000,000	(T)
PROJ.CATEGORY		<u>ADD PROJECT AT THE REQUEST OF THE</u>		FY 2026 -	\$1,000,000	(T)
DIVISION		<u>TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>		FY 2027 -	\$1,000,000	(T)
				FY 2028 -	\$1,000,000	(T)
				FY 2029 -	<u>\$1,000,000</u>	(T)
					\$6,000,000	

\* INDICATES FEDERAL AMENDMENT

**REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM**

STATEWIDE PROJECT

**STIP ADDITIONS**

SM-6215REG	- STATEWIDE PROJECT	VARIOUS, SCHOOL TRAFFIC ANALYSIS FOR NEW, RELOCATED AND EXPANDING SCHOOLS.	ENGINEERING	FY 2024 -	\$1,000,000	(T)
STATEWIDE				FY 2025 -	\$1,000,000	(T)
PROJ.CATEGORY		<u>ADD PROJECT AT THE REQUEST OF THE</u>		FY 2026 -	\$1,000,000	(T)
REGIONAL		<u>TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>		FY 2027 -	\$1,000,000	(T)
				FY 2028 -	\$1,000,000	(T)
				FY 2029 -	<u>\$1,000,000</u>	(T)
					\$6,000,000	

SM-6215SW	- STATEWIDE PROJECT	VARIOUS, SCHOOL TRAFFIC ANALYSIS FOR NEW, RELOCATED AND EXPANDING SCHOOLS.	ENGINEERING	FY 2024 -	\$1,000,000	(T)
STATEWIDE				FY 2025 -	\$1,000,000	(T)
PROJ.CATEGORY		<u>ADD PROJECT AT THE REQUEST OF THE</u>		FY 2026 -	\$1,000,000	(T)
STATEWIDE		<u>TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>		FY 2027 -	\$1,000,000	(T)
				FY 2028 -	\$1,000,000	(T)
				FY 2029 -	<u>\$1,000,000</u>	(T)
					\$6,000,000	

**STIP MODIFICATIONS**

* HO-0010B	- STATEWIDE PROJECT	IMPLEMENT STATEWIDE TRAFFIC OPERATIONS ACTIVITIES SUCH AS TRAFFIC MANAGEMENT CENTERS, TRAVELER INFORMATION, INTELLIGENT TRANSPORTATION SYSTEMS (ITS), AND TRAFFIC INCIDENT AND EVENT MANAGEMENT ACROSS THE ENTIRE STATE.	IMPLEMENTATION	FY 2024 -	\$22,228,000	(CMAQ)
STATEWIDE				FY 2024 -	\$4,000,000	(CRPANY)
PROJ.CATEGORY				FY 2024 -	\$6,557,000	(S(M))
EXEMPT				FY 2025 -	\$25,583,000	(CMAQ)
				FY 2025 -	\$4,000,000	(CRPANY)
				FY 2025 -	\$7,396,000	(S(M))
		<u>ADD CMAQ FUNDING IN FY 24, FY 25, AND FY 26. COST</u>		FY 2026 -	\$26,765,000	(CMAQ)
		<u>INCREASE EXCEEDING \$2 MILLION AND 25%</u>		FY 2026 -	<u>\$6,691,000</u>	(S(M))
		<u>THRESHOLDS.</u>			\$103,220,000	

\* INDICATES FEDERAL AMENDMENT



REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

STATEWIDE PROJECT

STIP MODIFICATIONS

M-556 STATEWIDE PROJ.CATEGORY STATEWIDE	- STATEWIDE PROJECT	ADVANCED RIGHT-OF-WAY ACQUISITION ACCOUNT. REVOLVING ACCOUNT TO FUND ADVANCED RIGHT-OF- WAY ACQUISITION. FUNDS TO BE REPAID FROM THE STIP PROJECT AT THE TIME THE PROJECT IS FUNDED. <u>ADD RIGHT-OF-WAY FUNDS IN FY 24 NOT PREVIOUSLY PROGRAMMED.</u>	RIGHT-OF-WAY	FY 2024 - <u>\$1,000,000</u> (T) \$1,000,000
TO-0004 STATEWIDE PROJ.CATEGORY PUBLIC TRANS	- STATEWIDE PROJECT	STATEWIDE, SYSTEM SAFETY OVERSIGHT GRANT FOR NCDOT RAIL DIVISION. <u>MODIFY FUNDS IN FY 24 AT THE REQUEST OF INTEGRATED MOBILITY DIVISION.</u>	ADMINISTRATIVE	FY 2024 - \$600,000 (S) FY 2024 - <u>\$1,800,000</u> (SSO) \$2,400,000

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP ADDITIONS

* BO-2419	- HIGH POINT URBAN AREA METROPOLITAN PLANNING ORGANIZATION	VARIOUS, CONSTRUCT PEDESTRIAN COUNTDOWN SIGNAL HEADS, CROSSWALKS, AND ACCESSIBLE ROUTES AT SIGNALIZED INTERSECTIONS IN 15 MUNICIPALITIES.	ENGINEERING	FY 2024 -	\$1,031,000	(DP)
BEAUFORT				FY 2024 -	\$344,000	(HSIP)
CHATHAM	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION			FY 2024 -	\$34,000	(S)
DAVIDSON			RIGHT-OF-WAY	FY 2025 -	\$89,000	(DP)
GRANVILLE	- TRIANGLE AREA RURAL PLANNING ORGANIZATION	<u>ADD PROJECT DUE TO AWARD OF FEDERAL GRANT. DP FUNDS REPRESENT FEDERAL RAISE GRANT FUNDS. S FUNDS REPRESENT SPOT SAFETY PROGRAM FUNDS.</u>		FY 2025 -	\$30,000	(HSIP)
HALIFAX				FY 2025 -	\$3,000	(S)
JOHNSTON	- MID-EAST RURAL PLANNING ORGANIZATION		UTILITIES	FY 2025 -	\$89,000	(DP)
LENOIR				FY 2025 -	\$30,000	(HSIP)
RICHMOND	- EASTERN CAROLINA RURAL PLANNING ORGANIZATION			FY 2025 -	\$3,000	(S)
ROBESON			CONSTRUCTION	FY 2025 -	\$7,791,000	(DP)
ROWAN	- PEANUT BELT RURAL PLANNING ORGANIZATION			FY 2025 -	\$2,596,000	(HSIP)
VANCE				FY 2025 -	\$260,000	(S)
WILSON	- KERR TAR RURAL PLANNING ORGANIZATION					
PROJ.CATEGORY	- UPPER COASTAL PLAIN RURAL PLANNING ORGANIZATION					\$12,300,000
DIVISION	- LUMBER RIVER RURAL PLANNING ORGANIZATION					
* HL-0123	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	UPGRADE SOFTWARE FOR CONCORD CITYWIDE SIGNAL SYSTEM.	ENGINEERING	FY 2024 -	\$800,000	(CRPDA)
CABARRUS				FY 2024 -	\$200,000	(L)
PROJ.CATEGORY		<u>ADD PROJECT AT THE REQUEST OF THE MPO.</u>	CONSTRUCTION	FY 2025 -	\$400,000	(CRPDA)
EXEMPT				FY 2025 -	\$100,000	(L)
						\$1,500,000

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

AV-5892 CABARRUS PROJ.CATEGORY REGIONAL	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	CONCORD REGIONAL AIRPORT (JQF), CONSTRUCT NORTH APRON EXPANSION. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY CONSTRUCTION FROM FY 23 TO FY 24.</u>	CONSTRUCTION	FY 2024 - \$300,000 (T) FY 2024 - <u>\$1,870,000</u> (O) \$2,170,000
* BL-0087 CABARRUS PROJ.CATEGORY DIVISION	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	VARIOUS, ELM AVENUE NORTHWEST FROM GLENN STREET NORTHWEST TO ALEXANDER STREET NORTHWEST. GLENN STREET NORTHWEST FROM ELM AVENUE NORTHWEST TO ACADEMY AVENUE NORTHWEST. CROWELL DRIVE NORTHWEST FROM CLEARWATER ARTS CENTER DRIVEWAY TO CEDAR DRIVE NORTHWEST. CEDAR DRIVE NORTHWEST FROM GEORGIA STREET NORTHWEST TO BEECH STREET NORTHWEST. CONSTRUCT SIDEWALKS. <u>ADD PRELIMINARY ENGINEERING NOT PREVIOUSLY PROGRAMMED.</u>	ENGINEERING  CONSTRUCTION	FY 2024 - \$8,000 (TADA) FY 2024 - \$2,000 (L) FY 2024 - \$1,292,000 (TADA) FY 2024 - <u>\$323,000</u> (L) \$1,625,000
* C-5603F CABARRUS PROJ.CATEGORY EXEMPT	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	SR 1643 (BETHPAGE ROAD), SR 1008 (SOUTH MAIN STREET) TO LEONARD AVENUE AND FROM WESTGREEN DRIVE TO KLONDALE AVENUE IN KANNAPOLIS. CONSTRUCT SIDEWALKS. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS. TO ALLOW ADDITIONAL TIME FOR UTILITY RELOCATION, DELAY CONSTRUCTION FROM FY 24 TO FY 25.</u>	CONSTRUCTION	FY 2025 - \$1,892,000 (CMAQ) FY 2025 - <u>\$473,000</u> (L) \$2,365,000
* EB-5619B ROWAN PROJ.CATEGORY DIVISION	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	GRANTS CREEK GREENWAY, CATAWBA COLLEGE AND MEADOWBROOK NEIGHBORHOOD TO WILTSHIRE VILLAGE. CONSTRUCT MULTIUSE PATH. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY CONSTRUCTION FROM FY 23 TO FY 24.</u>	CONSTRUCTION	FY 2024 - \$1,151,000 (BGDA) FY 2024 - <u>\$288,000</u> (L) \$1,439,000

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

* EB-5619C ROWAN PROJ.CATEGORY DIVISION	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	GRANTS CREEK GREENWAY, WILTSHIRE VILLAGE TO KELSEY SCOTT PARK. CONSTRUCT MULTIUSE PATH. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY CONSTRUCTION FROM FY 23 TO FY 24.</u>	ENGINEERING  CONSTRUCTION	FY 2024 - \$294,000 (BGDA) FY 2024 - \$74,000 (L) FY 2024 - \$1,882,000 (BGDA) FY 2024 - \$470,000 (L) \$2,720,000
HE-0009 ROWAN PROJ.CATEGORY DIVISION	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	NC 152, WIDEN PAVEMENT AND CONSTRUCT ROUNDAABOUT AT THE INTERSECTION WITH PROPOSED ACCESS ROAD EAST OF I-85 / US 601 IN CHINA GROVE. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	CONSTRUCTION	FY 2024 - \$63,000 (T) FY 2025 - \$4,680,000 (T) FY 2026 - \$1,557,000 (T) \$6,300,000
* HL-0001 CABARRUS PROJ.CATEGORY DIVISION	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	SR 1394 (POPLAR TENT ROAD), SR 1449 (HARRIS ROAD) INTERSECTION. CONSTRUCT INTERSECTION IMPROVEMENT. SR 1394 (POPLAR TENT ROAD) FROM SR 2880 (MOSS DRIVE) TO FULLERTON PLACE DRIVE. WIDEN TO FOUR LANES. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 23 TO FY 24.</u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2024 - \$3,632,000 (BGANY) FY 2024 - \$784,000 (BGDA) FY 2024 - \$1,104,000 (L) FY 2025 - \$6,280,000 (BGDA) FY 2025 - \$1,570,000 (L) \$13,370,000
* HL-0049 ROWAN PROJ.CATEGORY DIVISION	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	BRENNER AVENUE, US 70 / US 601 (JAKE ALEXANDER BOULEVARD) TO MILFORD HILLS ROAD IN SALISBURY. CONSTRUCT MEDIAN; CONSTRUCT ROUNDAABOUT AT MILFORD HILLS ROAD. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 23 TO FY 24.</u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2024 - \$11,000 (BGDA) FY 2024 - \$3,000 (L) FY 2024 - \$664,000 (BGDA) FY 2024 - \$166,000 (L) \$844,000

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

* HL-0064 ROWAN PROJ.CATEGORY DIVISION	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	US 29 MAIN STREET, KERR STREET TO HORAH STREET IN SALISBURY. SAFETY IMPROVEMENTS. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY CONSTRUCTION FROM FY 24 TO FY 25. ADD PRELIMINARY ENGINEERING NOT PREVIOUSLY PROGRAMMED.</u>	ENGINEERING  UTILITIES  CONSTRUCTION	FY 2024 - \$8,000 (BGDA) FY 2024 - \$2,000 (L) FY 2024 - \$2,609,000 (BGDA) FY 2024 - \$652,000 (L) FY 2025 - \$4,817,000 (BGDA) FY 2025 - <u>\$1,204,000</u> (L) \$9,292,000
* HS-2009I ROWAN PROJ.CATEGORY REGIONAL	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	NC 152, NC 152 AT NC 153 NEAR CHINA GROVE. INTERSECTION IMPROVEMENTS. <u>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	RIGHT-OF-WAY CONSTRUCTION	FY 2024 - \$20,000 (HSIP) FY 2024 - <u>\$302,000</u> (HSIP) \$322,000
* HS-2010M CABARRUS MECKLENBURG PROJ.CATEGORY STATEWIDE	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION - CHARLOTTE REGIONAL TRANSPORTATION PLANNING ORGANIZATION	I-85, I-77, I-277, I-485, AND US 74. INSTALL WRONG WAY PAVEMENT MARKINGS AND SIGNS. <u>ADD PROJECT BREAK AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	CONSTRUCTION	FY 2024 - <u>\$350,000</u> (HSIP) \$350,000

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

* P-2918 ALAMANCE CABARRUS DAVIDSON DURHAM GUILFORD MECKLENBURG ORANGE RANDOLPH ROWAN WAKE PROJ.CATEGORY EXEMPT	- CHARLOTTE REGIONAL TRANSPORTATION PLANNING ORGANIZATION - CAPITAL AREA METROPOLITAN PLANNING ORGANIZATION - GREENSBORO URBAN AREA METROPOLITAN PLANNING ORGANIZATION - BURLINGTON-GRAHAM URBAN AREA METROPOLITAN PLANNING ORGANIZATION - DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION - HIGH POINT URBAN AREA METROPOLITAN PLANNING ORGANIZATION - CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	PIEDMONT CORRIDOR, TRAIN 74 / 75 OPERATIONS BETWEEN CHARLOTTE AND RALEIGH, EQUIPMENT AND CAPITAL YARD MAINTENANCE FACILITY. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	OPERATIONS	FY 2024 - \$7,226,000 (CMAQ) FY 2024 - <u>\$1,806,000</u> (S) \$9,032,000
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\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

P-5719C ALAMANCE CABARRUS DAVIDSON DURHAM GUILFORD MECKLENBURG ORANGE ROWAN WAKE WAKE WAKE PROJ.CATEGORY REGIONAL	- GREENSBORO URBAN AREA METROPOLITAN PLANNING ORGANIZATION - CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION - BURLINGTON-GRAHAM URBAN AREA METROPOLITAN PLANNING ORGANIZATION - DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION - CHARLOTTE REGIONAL TRANSPORTATION PLANNING ORGANIZATION - HIGH POINT URBAN AREA METROPOLITAN PLANNING ORGANIZATION - CAPITAL AREA METROPOLITAN PLANNING ORGANIZATION	PIEDMONT CORRIDOR, NEW TRAINS AND MAINTENANCE FACILITY. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY CONSTRUCTION FROM FY 23 TO FY 24. DP REPRESENTS STATE OF GOOD REPAIR GRANT.</u>	CONSTRUCTION	FY 2024 - \$156,888,000 (DP) FY 2024 - \$27,820,000 (T) FY 2025 - <u>\$27,820,000</u> (T) \$212,528,000
P-5726B ROWAN PROJ.CATEGORY REGIONAL	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	NORFOLK SOUTHERN, SALISBURY NORFOLK SOUTHERN CROSSOVER RELOCATION. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY CONSTRUCTION FROM FY 23 TO FY 24.</u>	CONSTRUCTION	FY 2024 - \$40,000 (T) FY 2025 - \$2,851,000 (T) FY 2026 - <u>\$1,109,000</u> (T) \$4,000,000

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REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

* P-5733 ROWAN PROJ.CATEGORY DIVISION	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	NORFOLK SOUTHERN, CITY OF SALISBURY. UPGRADE STATION BUILDING, EXPAND WAITING SPACE AND SURFACE PARKING. <u>ADD PRELIMINARY ENGINEERING NOT PREVIOUSLY PROGRAMMED. ACCELERATE RIGHT-OF-WAY FROM FY 25 TO FY 24 AT THE REQUEST OF THE MPO. COST INCREASE EXCEEDING \$2 MILLION AND 25% THRESHOLDS.</u>	ENGINEERING  RIGHT-OF-WAY  CONSTRUCTION	FY 2024 - \$523,000 (CMAQ) FY 2024 - \$197,000 (L) FY 2024 - \$1,454,000 (CMAQ) FY 2024 - \$600,000 (T) FY 2026 - \$5,419,000 (CMAQ) FY 2026 - \$1,905,000 (T) FY 2026 - \$248,000 (L) FY 2027 - \$1,124,000 (CMAQ) FY 2027 - \$395,000 (T) FY 2027 - <u>\$52,000</u> (L) \$11,917,000
R-5706BA CABARRUS PROJ.CATEGORY REGIONAL	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	NC 73 (DAVIDSON HIGHWAY), EAST OF SR 1394 (POPLAR TENT ROAD) TO I-85. <u>SEGMENT R-5706B INTO SEGMENTS BA AND BB AT THE REQUEST OF THE DIVISION. PROJECT FUNDED FOR PRELIMINARY ENGINEERING ONLY.</u>		
R-5706BB CABARRUS PROJ.CATEGORY REGIONAL	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	NC 73 (DAVIDSON HIGHWAY), I-85 TO US 29. <u>SEGMENT R-5706B INTO SEGMENTS BA AND BB AT THE REQUEST OF THE DIVISION. PROJECT FUNDED FOR PRELIMINARY ENGINEERING ONLY.</u>		
U-5761 CABARRUS PROJ.CATEGORY REGIONAL	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	NC 3 (DALE EARNHARDT BOULEVARD), INTERSECTION OF NC 3 (DALE EARNHARDT BOULEVARD) AND US 29/601 (CANNON BOULEVARD). CONSTRUCT INTERSECTION IMPROVEMENTS. <u>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY ACQUISITION, DELAY CONSTRUCTION FROM FY 24 TO FY 25.</u>	CONSTRUCTION	FY 2025 - \$81,000 (T) FY 2026 - \$4,503,000 (T) FY 2027 - \$3,077,000 (T) FY 2028 - <u>\$439,000</u> (T) \$8,100,000

\* INDICATES FEDERAL AMENDMENT



REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

<p>* W-5709E ROWAN PROJ.CATEGORY REGIONAL</p>	<p>- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION</p>	<p>NC 153 (RICE STREET), NC 153 (RICE STREET) AT SR 1197 (CANNON FARM ROAD / MT MORIAH CHURCH ROAD) IN CHINA GROVE <u>ADD SEGMENT "E" NOT PREVIOUSLY PROGRAMMED PER DIVISION.</u></p>	<p>CONSTRUCTION</p>	<p>FY 2024 - <u>\$2,500,000</u> (NHP) \$2,500,000</p>
<p>* W-5710AO CABARRUS PROJ.CATEGORY DIVISION</p>	<p>- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION</p>	<p>SR 1002 (OLD SALISBURY CONCORD ROAD), SR 2400 (IRISH POTATO ROAD) NEAR KANNAPOLIS. CONSTRUCT SAFETY IMPROVEMENTS. <u>TO ALLOW ADDITIONAL TIME FOR RIGHT-OF-WAY ACQUISITION, DELAY CONSTRUCTION FROM FY 23 TO FY 24.</u></p>	<p>CONSTRUCTION</p>	<p>FY 2024 - <u>\$1,000,000</u> (HSIP) \$1,000,000</p>

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

STATEWIDE PROJECT

STIP MODIFICATIONS

TC-0008	- STATEWIDE PROJECT	STATEWIDE, 5339(b) DISCRETIONARY GRANT FOR	CAPITAL	FY 2024 -	\$875,000	(L)
STATEWIDE		FACILITY CONSTRUCTION		FY 2024 -	<u>\$350,000</u>	(5339)
PROJ.CATEGORY		<u>ADD FUNDING IN FY 24 AT THE REQUEST OF THE</u>				
PUBLIC TRANS		<u>INTEGRATED MOBILITY DIVISION.</u>			\$1,225,000	
TC-0010	- STATEWIDE PROJECT	STATEWIDE, 5339(b) DISCRETIONARY GRANT FOR FOR	CONSTRUCTION	FY 2024 -	\$900,000	(L)
STATEWIDE		FACILITY CONSTRUCTION		FY 2024 -	<u>\$3,600,000</u>	(5339)
PROJ.CATEGORY		<u>ADD FUNDING IN FY 24 AT THE REQUEST OF THE</u>				
PUBLIC TRANS		<u>INTEGRATED MOBILITY DIVISION.</u>			\$4,500,000	
TC-0012	- STATEWIDE PROJECT	STATEWIDE, 5339(b) DISCRETIONARY GRANT TO	CAPITAL	FY 2024 -	\$625,000	(L)
STATEWIDE		PURCHASE ELECTRIC BUSES AND CHARGING		FY 2024 -	<u>\$2,500,000</u>	(5339)
PROJ.CATEGORY		STATIONS.				
PUBLIC TRANS		<u>ADD FUNDING IN FY 24 AT THE REQUEST OF THE</u>			\$3,125,000	
		<u>INTEGRATED MOBILITY DIVISION.</u>				

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REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

* C-56031 CABARRUS PROJ.CATEGORY EXEMPT	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	US 601, FLOWES STORE ROAD TO ZION CHURCH ROAD AND AT THE US 601 AND FLOWES STORE ROAD INTERSECTION. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 23 TO FY 24.</u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2024 - \$200,000 (CMAQ) FY 2024 - \$50,000 (L) FY 2024 - \$916,000 (CMAQ) FY 2024 - <u>\$229,000</u> (L)	\$1,395,000
* EB-5844 CABARRUS PROJ.CATEGORY DIVISION	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	LITTLE TEXAS ROAD, LANE STREET TO DALE EARNHARDT BOULEVARD. CONSTRUCT SIDEWALK AND CURB AND GUTTER. <u>TO ALLOW ADDITIONAL TIME FOR PLANNING AND DESIGN, DELAY RIGHT-OF-WAY FROM FY 23 TO FY 24.</u>	RIGHT-OF-WAY  CONSTRUCTION	FY 2024 - \$320,000 (TAANY) FY 2024 - \$80,000 (L) FY 2024 - \$131,000 (CMAQ) FY 2024 - \$936,000 (TAANY) FY 2024 - <u>\$267,000</u> (L)	\$1,734,000
* HS-20100 CABARRUS STANLY PROJ.CATEGORY REGIONAL	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION - ROCKY RIVER RURAL PLANNING ORGANIZATION	NC 73, MILE MARKER 0 TO MILE MARKER 4.3, MILE MARKER 13.1 TO MILE MARKER 18.9, MILE MARKER 20.9 TO MILE MARKER 24.0 IN CABARRUS COUNTY; MILE MARKER 0 TO MILE MARKER 8.1 IN STANLY COUNTY. INSTALL RUMBLE STRIPS AND LONG LIFE PAVEMENT MARKINGS. <u>ADD PROJECT BREAK AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	CONSTRUCTION	FY 2024 - \$1,018,000 (HSIP) FY 2025 - <u>\$382,000</u> (HSIP)	\$1,400,000
* HS-2010P CABARRUS PROJ.CATEGORY REGIONAL	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	NC 49: US 601; NC 3, MILE MARKER 13.8 TO MILE MARKER 15.8; MILE MARKER 6.4 TO MILE MARKER 12.3; MILE MARKER 13.8 TO MILE MARKER 20.3. INSTALL RUMBLE STRIPS AND LONG LIFE PAVEMENT MARKINGS. <u>ADD PROJECT BREAK AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	CONSTRUCTION	FY 2024 - \$727,000 (HSIP) FY 2025 - <u>\$78,000</u> (HSIP)	\$805,000

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REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

* HS-2010Q CABARRUS PROJ.CATEGORY STATEWIDE	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	NC 49, SR 2635 (OLD AIRPORT ROAD). INSTALL DIRECTIONAL CROSSOVER WITH U-TURN BULBOUT. <u>ADD PROJECT BREAK AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2025 - FY 2026 - FY 2027 - FY 2028 -	\$10,000 \$10,000 \$677,000 <u>\$73,000</u>	(HSIP) (HSIP) (HSIP) (HSIP)	\$770,000
* HS-2010R CABARRUS PROJ.CATEGORY DIVISION	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	SR 1168 (ROBINSON CHURCH ROAD), SR 1169 (PEACH ORCHARD ROAD) NEAR HARRISBURG. WIDEN SHOULDERS AND IMPROVE SUPERELEVATION. <u>ADD PROJECT BREAK AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</u>	RIGHT-OF-WAY UTILITIES CONSTRUCTION	FY 2025 - FY 2027 - FY 2027 - FY 2028 -	\$50,000 \$25,000 \$264,000 <u>\$451,000</u>	(HSIP) (HSIP) (HSIP) (HSIP)	\$790,000
U-5761 CABARRUS PROJ.CATEGORY REGIONAL	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	NC 3 (DALE EARNHARDT BOULEVARD), INTERSECTION OF NC 3 (DALE EARNHARDT BOULEVARD) AND US 29/601 (CANNON BOULEVARD). CONSTRUCT INTERSECTION IMPROVEMENTS. <u>TO ALLOW ADDITIONAL TIME FOR UTILITY RELOCATION, DELAY CONSTRUCTION FROM FY 24 TO FY 26.</u>	CONSTRUCTION	FY 2026 - FY 2027 - FY 2028 -	\$3,963,000 \$3,430,000 <u>\$707,000</u>	(T) (T) (T)	\$8,100,000

\* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2024-2033 STIP  
HIGHWAY PROGRAM

CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

U-6062 CABARRUS ROWAN PROJ.CATEGORY DIVISION	- CABARRUS-ROWAN URBAN AREA METROPOLITAN PLANNING ORGANIZATION	SR 2739 (NORTH MAIN STREET / SOUTH MAIN STREET), SR 2000 (JACKSON PARK ROAD) / NORTH LOOP ROAD IN KANNAPOLIS TO SR 1211 (KIMBALL ROAD) IN CHINA GROVE. UPGRADE ROADWAY INCORPORATING BICYCLE LANES AND SIDEWALKS. <u>COST INCREASE EXCEEDING \$2 MILLION AND 25%                  THRESHOLDS.</u>	RIGHT-OF-WAY	FY 2028 -	\$83,000	(T)
				FY 2029 -	\$8,174,000	(T)
				FY 2030 -	\$9,498,000	(T)
				FY 2031 -	\$4,748,000	(T)
				FY 2032 -	\$2,770,000	(T)
				FY 2033 -	\$2,770,000	(T)
			UTILITIES	FY 2028 -	\$5,700,000	(T)
				FY 2029 -	\$5,700,000	(T)
			CONSTRUCTION	FY 2031 -	\$1,311,000	(T)
				FY 2032 -	\$10,676,000	(T)
				FY 2033 -	\$8,242,000	(T)
				AFTER FY 2033 -	<u>\$5,272,000</u>	(T)
					\$64,944,000	

\* INDICATES FEDERAL AMENDMENT

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## **CABARRUS-ROWAN MPO MEMORANDUM**

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**TO:** CABARRUS-ROWAN MPO MEMBERS  
**FROM:** PHIL CONRAD, MPO DIRECTOR  
**SUBJECT:** 2055 MTP SOCIOECONOMIC FORECASTS  
**DATE:** OCTOBER 16, 2023

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At the October 2023 meeting, the TAC is asked to adopt county-level projections (control totals) for future population and employment in Cabarrus and Rowan counties for the 2055 MTP's four horizon years: 2025, 2035, 2045 and 2055. CRMPO staff and other regional planning staff, with the help of 4<sup>th</sup> Economy consultants, have been developing county-level projections/control totals for a fall 2023 endorsement by the MPOs and RPO. The development of updated socioeconomic data is an essential component of the development of the 2055 Metropolitan Transportation Plan. The projections will inform allocation and distribution of future socioeconomic growth estimates at the TAZ level throughout the two counties of Cabarrus and Rowan.

### **PURPOSE**

- Projections are direct inputs into for the Metrolina Regional Travel Demand Model & Metropolitan Transportation Plan development process.
- Respective county level projections are endorsed by each of the Metrolina MPOs and the RPO in Stanly County.
- Projections are being developed and verified with local staff based on socioeconomic data collected for the 2022 base year, which coincides with the recent US Census release.
- Projections have previously been endorsed approximately every four years since inception of the Travel Model in 2003.

### **DATA SOURCES**

- Bureau of Economic Analysis (BEA)
- Regional Economic Development consultant expertise (Fourth Economy, 2023)
- Geographically located employment data
- Chamber of Commerce/EDC Major Employer Database

- County & local building permits
- County & local certificates of occupancy
- Census estimates
- Average Household Size and vacancy rates (Census)
- Local development trends
- Local staff research

### **KEY CONSIDERATIONS**

- Projections are intended to be objective, research-based, and defensible; used primarily as an input to the modeling/MTP process to ultimately process and pass air quality conformity, and any subsequent amendments.
- Projections adopted in calendar 2023 incorporate projections by regional economists, and most current employment, household, and school enrollment data trends.
- CRMPO has previously endorsed projections using this approach
- Local staff re-assess these projections every 4 years to coincide with a new base year and the next MTP process.

**Table 1: Population Projections**

<b>ROWAN COUNTY</b>	<b>2018</b>	<b>2020</b>	<b>2025</b>	<b>2035</b>	<b>2045</b>	<b>2050</b>	<b>2055</b>	<b>2060</b>	<b>2065</b>	<b>Annual</b>
										<b>Growth Rate</b>
PROJECTION YEAR	2018	2020	2025	2035	2045	2050	2055	2060	2065	
2005 MRM FORECAST			177,661	208,752						
ANNUAL INCREASE			0.88%	0.54%	0.51%					
MRM ESTIMATE	<b>148,000</b>	<b>146,875</b>	<b>155,571</b>	<b>168,900</b>	<b>180,626</b>	<b>186,892</b>	<b>193,465</b>	<b>199,592</b>	<b>205,618</b>	
ANNUAL INCREASE			0.73%	0.86%	0.69%	0.69%	0.70%	0.63%	0.60%	
<b>4TH ECONOMY</b>		<b>146,875</b>	<b>161,111</b>	<b>189,583</b>	<b>218,056</b>	<b>232,292</b>	<b>246,528</b>	<b>260,764</b>	<b>275,000</b>	<b>1.9385%</b>
Delta			<b>5,540</b>	<b>20,683</b>	<b>37,430</b>	<b>45,400</b>	<b>53,063</b>	<b>61,172</b>	<b>69,382</b>	
			<b>4%</b>	<b>12%</b>	<b>21%</b>	<b>24%</b>	<b>27%</b>	<b>31%</b>	<b>34%</b>	
MRM HOUSEHOLDS	59,924	55,485	60,000	65,300	70,000	73,281	75,608	78,229	81,033	
<b>CABARRUS COUNTY</b>										
PROJECTION YEAR	2018	2020	2025	2035	2045	2050	2055	2060	2065	
MPO PREVIOUS ESTIMATE	<b>209,515</b>	<b>225,804</b>	<b>267,877</b>	<b>337,916</b>	<b>399,347</b>	<b>432,689</b>	<b>468,664</b>	<b>500,249</b>	<b>532,387</b>	
PERCENT INCREASE			19%	26%	18%	8%	8%	7%	6%	
ANNUAL INCREASE			4%	3%	2%	2%	2%	1%	1%	
<b>4TH ECONOMY</b>		<b>225,804</b>	<b>258,779</b>	<b>313,333</b>	<b>376,023</b>	<b>409,628</b>	<b>444,935</b>	<b>481,309</b>	<b>518,499</b>	<b>2.8805%</b>
Delta			<b>(9,098)</b>	<b>(24,583)</b>	<b>(23,324)</b>	<b>(23,061)</b>	<b>(23,729)</b>	<b>(18,940)</b>	<b>(13,888)</b>	
			<b>-3%</b>	<b>-7%</b>	<b>-6%</b>	<b>-5%</b>	<b>-5%</b>	<b>-4%</b>	<b>-3%</b>	
HOUSEHOLDS	76,826	74,967	99,000	125,100	147,900	164,655	175,868	188,835	202,819	
WSACC ESTIMATE*						381,000				

\*Assumes an average household size of 2.58



**Table 2: Employment Projections**

	2018	2020	2025	2035	2045	2050	2055	2060	2065
<b>ROWAN COUNTY</b>									
PROJECTION YEAR	2018	2020	2025	2035	2045	2050	2055	2060	2065
MRM ESTIMATE	56,956	58,296	59,168	62,812	66,383	67,903	69,782	71,473	73,172
<b>4TH ECONOMY</b>			<b>67,864</b>	<b>71,996</b>	<b>76,424</b>	<b>78,569</b>	<b>80,727</b>	<b>83,034</b>	<b>85,221</b>
			8,696	9,184	10,041	10,666	10,945	11,561	12,049
<b>JOBS/HOUSING RATIO</b>			0.42	0.38	0.35	0.34	0.33	0.32	0.31
<b>CABARRUS COUNTY</b>									
PROJECTION YEAR	<b>2018</b>	<b>2020</b>	<b>2025</b>	<b>2035</b>	<b>2045</b>	<b>2050</b>	<b>2055</b>	<b>2060</b>	<b>2065</b>
MRM ESTIMATE	82,433	85,492	101,930	123,594	145,809	158,418	168,948	180,600	192,169
<b>4TH ECONOMY</b>			<b>116,909</b>	<b>133,365</b>	<b>150,415</b>	<b>159,741</b>	<b>169,744</b>	<b>180,162</b>	<b>191,332</b>
			14,979	9,771	4,606	1,323	796	(438)	(837)
<b>JOBS/HOUSING RATIO</b>			0.45	0.43	0.40	0.39	0.38	0.37	0.37

<b>Recently Announced Projects 2022-Present:</b>		Address:	Building SF:	# of Jobs:		
Eli Lilly	1420 Concord Pkwy S, Concord 28027 (Grounds at Concord)		800,000		600	
NASCAR	7550 West Winds Blvd, Concord 28027		58,000		125	
Max Solutions	700 Derita Road, Concord 28027 (existing building)		150,000		150	
Keysteel	4758 Poplar Tent Road, Concord 28027		70,000		10	
HSREI, LLC (Hendrick)	5301 Stowe Lane, Charlotte (Concord City Limits)		155,000		50	
HSREI, LLC (Hendrick) - industrial spec building	7301 Hendrick Auto Plaza NW, Concord 28027		269,500	N/A		
Coleman Industrial Gases	375 NC Hwy 24-27, Midland (ACWR Midland Logistics Park)				25	
Old Dominion Freight Line	New Town Way SW, Concord 28027 (Grounds at Concord)		60,000		100	
<b>Industrial Spec Currently Under Construction:</b>						
Development Name:	Address:	# of Buildings:	Total SF:	Completion Date:		Municipality:
Axial Bonds Farm	685 Pitts School Rd NW and 7250 Weddington Rd, Concord 28027	3	810,000	Q4 2023/Q1 2024		Concord
85 Exchange	6441 Davidson Hwy (Hwy 73), Concord 28027	7	1,300,000	Q1 2024 phase 1 (phased project)		Kannapolis
Springs Business Park	570 Pitts School Rd NW, Concord 28027	4 - 3 are completed	46,500 (for 4th building)	N/A - construction not yet started		Concord
Davidson/85	5418 Davidson Hwy (Hwy 73), Concord 28027	1	146,000	Q1 2024		Kannapolis
Meadows Corporate Park - Building C	760 Pitts School Rd NW, Concord 28027	1	60,000	N/A - BTS		Concord

**From:** [Scott Shelton](#)  
**To:** [pconrad@rlcassoc.com](mailto:pconrad@rlcassoc.com)  
**Cc:** [Rod Crider](#)  
**Subject:** RE: Metrolina Review of County Totals - October 5, 2023  
**Date:** Wednesday, October 11, 2023 4:13:55 PM  
**Attachments:** [image002.png](#)  
[image005.png](#)  
[image006.png](#)  
[image008.png](#)  
[image010.png](#)  
[image013.png](#)  
[image014.png](#)  
[image001.png](#)  
[image007.png](#)

Phil,

Below is what I was able to put together regarding recent activity. All of these projects or spec buildings are either located along I-85 or within a couple of miles of it.

I hope my categories make sense to you. Please let me know if you have any questions. Thanks.

<b>Now Operating</b>		
<b>Company Name</b>	<b>Number of New Jobs</b>	<b>Square Footage Used</b>
<i>Pactiv Evergreen</i>	<b>20</b>	<b>440,000</b>

<b>Announced Projects</b>		
<b>Company Name</b>	<b>Number of New Jobs</b>	<b>Proposed Square Footage</b>
<i>Chick-Fil-A Supply, Inc.</i>	112	126,380
<i>General RV</i>	150	83,125
<i>Macy's</i>	1,317	2,100,000
<i>Hexagon Agility (expansion)</i>	751	113,000
<b>Totals</b>	<b>2,330</b>	<b>2,422,505</b>

<b>Completed Speculative Buildings</b>		
<b>Name</b>	<b>Number of Buildings</b>	<b>Total Available Square Footage</b>
I-85 Commerce Center	<b>1</b>	<b>236,000</b>

<b>Speculative Buildings Currently Under Construction</b>		
<b>Name</b>	<b>Number of Buildings</b>	<b>Total Proposed Square Footage</b>

<i>Innovation Logistics Center</i>	2	1,212,972
<i>Overlook 85 (phase 1)</i>	2	894,000
<i>Rusher Farms</i>	2	613,872
<b>Totals</b>	<b>6</b>	<b>2,720,844</b>

<b>Speculative Buildings Currently In Development</b>		
<b>Name</b>	<b>Number of Buildings</b>	<b>Total Proposed Square Footage</b>
<i>Carlton Farms</i>	6	2,628,678
<i>Spencer Enterprise Center</i>	2	600,000
<i>Long Ferry Industrial Park</i>	2	1,000,000
<i>Long Ferry Logistics Center</i>	1	351,572
<i>Reid Farms</i>	1	1,004,400
<i>Trammel Crow</i>	1	504,000
<i>GreyStar</i>	1	320,098
<i>TrackWest / Rooker</i>	2	1,236,000
<i>Jackson Shaw</i>	5	1,600,000
<i>Overlook 85 (phase 2)</i>	7	3,472,920
<b>Totals</b>	<b>28</b>	<b>12,717,668</b>



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**Scott Shelton**  
Vice President  
**Rowan Economic Development Council**  
204 E Innes St., Ste. 220  
Salisbury, NC 28144  
[p] 704.637.5526  
[c] 980.234.3020  
[Scott@RowanEDC.com](mailto:Scott@RowanEDC.com)  
[www.RowanEDC.com](http://www.RowanEDC.com)

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**From:** Phil Conrad <pconrad@rlcassoc.com>  
**Sent:** Tuesday, October 10, 2023 11:53 AM  
**To:** Scott Shelton <scott@rowanedc.com>  
**Cc:** Rod Crider <rccrider@rowanedc.com>  
**Subject:** FW: Metrolina Review of County Totals - October 5, 2023

Cabarrus-Rowan MPO  
Transportation Update  
October 2023

TIP / WBS No.	Description	Let Date	Completion Date	Status	Construction Cost	Contractor	Project Administrator	Comments
<b>PROJECTS UNDER CONSTRUCTION</b>								
B-4626 38443.3.3 (C204446)	Replace Bridge #3 (EBL), and apply Bridge Preservation Treatment to Bridge #8 (WBL), over Yadkin River/W-S SB RR on NC 49 in Rowan County	February 1, 2022	April 30, 2025	45% Complete	\$13,777,568	Smith-Rowe	Eric Goldston (704) 630-3220	Smith-Rowe continuing demolition of old bridge and to begin setting girders for new bridge. Anticipated completion date of April 2025.
B-5772 45728.3.1	Replace Bridge #66 over Norfolk Southern RR on SR 1724 (Hurley School Rd) in Rowan County	October 1, 2022	November 11, 2024	3% Complete	\$2,880,727	Smith-Rowe	Kelly Seitz (704) 630-3200	Project is delayed due to needing a revised construction agreement with Norfolk Southern Railroad.
U-5738 50163.3.1 (C204426)	Widen to multiple lanes on SR 2528 (Julian Rd) from US 601 (Jake Alexander Blvd) to SR 2667 (Summit Park Dr) in Salisbury	March 28, 2022	January 28, 2025	40% Complete	\$13,039,376	J. T. Russell and Sons	Eric Goldston (704) 630-3220	JTR currently working on phase 1 grading and storm drainage. Anticipated traffic shift to new alignment late 2023/early 2024.
R-5789H (DI00303)	ADA Ramps, Curb and Gutter, Sidewalk Construction on various routes in Davidson, Davie, Forsyth, Rowan, and Stokes.	October 31, 2022	TBA	60% Complete	\$964,376	Carolina Group Properties LLC	Kelly Seitz (704) 630-3200	Contractor is currently working in China Grove on replacing WCR. All work in Cleveland, Granite Quarry, Rockwell, Salisbury and Spencer is completed. Crews will also be working in Landis.
HL-0005	Various, City of Salisbury Signal System Upgrade.	September 30, 2022	Fall 2023	60% Complete	\$282,000	ALS of NC	Wendy Brindle (704) 638-5201	Material supply issues.
2023CPT.09.07.10801 2023CPT.09.08.20801 (C204811)	Milling, resurfacing, and shoulder reconstruction on 1 section of US-70, US-29, and NC-150, and 5 sections of secondary roads.	March 15, 2023	September 15, 2024	0% Complete	\$4,651,490	J. T. Russell and Sons	Kelly Seitz (704) 630-3200	No work planned on the project until late September 2023.
17BP.9.R.76 (DI00269)	Replace Bridge #81 on SR 1926 (Hannah Ferry Rd) over Deals Creek in Rowan County	August 23, 2023	May 3, 2024	0% Complete	\$932,023	Dellinger, Inc.	Eric Goldston (704) 630-3221	Availability date of September 25, 2023. Dellinger will begin clearing & grubbing.
HS-2009E	Pavement Grinding and Markings on SR 1002 (Old Concord Road) from Cabarrus County Line (Milepost 28.57) to Jake Alexander Boulevard (Milepost 17.63) in Salisbury	March 27, 2023	TBA	0% Complete	\$188,317	TRP Construction Group, LLC	Kelly Seitz (704) 630-3200	No work planned on the project until July 2023.
HS-2009D	Extend concrete median and install U-turn bulb out on Jake Alexander Blvd east of Morlan Park Rd in Salisbury	May 24, 2023	October 31, 2023	5% Complete	\$443,685	Atlantic Contracting Company, Inc.	Eric Goldston (704) 630-3220	Atlantic Contracting began sign installation on 8/8/23 and will begin preparing for widening work at U-turn bulb.
<b>PROJECTS UNDER DEVELOPMENT</b>								
HE-0009	NC 152 Improvements with Proposed Access Road East of I-85/US 601 in China Grove	January 24, 2024	TBD	ROW Acquisition in progress	\$6,300,000	TBD	Ryan Newcomb (336) 747-7800	Economic Development project. PE work has started. 25% plans are complete. Hydro approved. 65% plans are complete. The developer is responsible for ROW acquisition and utility relocations. Final plans are complete pending ROW acquisition and utility relocations. Let date has been delayed to January due to delays by the developer acquiring the needed R/W and utility relocations being completed.
P-5726 47604.3.1 (C204343)	NS Main - Construct Track Improvements, Second Platform, Pedestrian Underpass, Sitework, Retaining Wall, and Signalling Equipment	January 21, 2025	TBA	ROW Acquisition in progress	\$10,800,000	TBA	Sam Coleman (919) 707-4158	Raleigh Let - Pending execution of rail agreement.
P-5726A	Salisbury train station second platform and pedestrian underpass.	February 28, 2024	TBA	ROW Acquisition in progress	\$2,500,000	TBA	Sam Coleman (919) 707-4158	Division POC
P-5726B	Salisbury Norfolk Southern crossover relocation.	March 29, 2024	TBA	ROW Acquisition in progress	\$4,000,000	TBA	Sam Coleman (919) 707-4158	NON-DOT Let
P-5733 47612.3.1	NS Main - Rowan County - Upgrade Station Building, expand waiting space and surface parking	July 15, 2025	TBA	ROW Acquisition 2025	\$2,370,000	TBA	Sam Coleman (919) 707-4158	Raleigh LET

Cabarrus-Rowan MPO  
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October 2023

TIP / WBS No.	Description	Let Date	Completion Date	Status	Construction Cost	Contractor	Project Administrator	Comments
<b>PROJECTS UNDER DEVELOPMENT</b>								
R-5860 47548.3.1	Widen to multilanes - US 52 Rowan County Proposed Misenheimer Bypass to Proposed Rockwell Bypass (4.6 miles)	January 1, 2040	TBA	ROW Acquisition 2027	\$39,321,000	TBA	Alexander Foster (919) 707-6239	DDRL *The PE work for this project has been temporarily suspended.*
U-5901 44705.3.1	Airport Parkway –Construct 2-lane roadway on Multilane right of way in new location from SR 1710 (Harrison Rd) near US 70/601 (Jake Alexander Blvd) to SR 2539 (Peach Orchard Rd) at US 29 in Salisbury	2030	TBA	Planning/Design in Progress ROW Acquisition 2027	\$39,502,000	TBA	Ryan Newcomb (336) 747-7800	DDRL - Raleigh Let. Express design update in progress to update project estimate. Project is now on the PE Move Forward List. NTP for PE work issued 1/17/23. Project website updates are complete. Start of study letters have been sent. Scheduling Merger Screening for late September/early October. Planning for CP1 meeting Fall 2023.
U-6062 47486.3.1	Upgrade SR 2739 (N. Main St and S. Main St) to incorporate Bicycle Lanes and Sidewalks, from SR 2000 (Jackson Park Rd/N. Loop Rd) in Kannapolis to SR 1211 (Kimball Rd) in China Grove	2031	TBA	ROW Acquisition 2028	\$28,400,000	TBA	Ryan Newcomb (336) 747-7800	DDRL - *The PE work for this project has been temporarily suspended.* Express design update in progress to revise project estimate.
U-6130 48321.3.1	Construct ramp and intersection improvements on US 29 at NC 152 in China Grove	Funded for Preliminary Engineering Only	Funded for Preliminary Engineering Only	Funded for Preliminary Engineering Only	\$2,000,000	Funded for Preliminary Engineering Only	Ryan Newcomb (336) 747-7800	Division POC (DPOC) *The PE work for this project has been temporarily suspended.* Express design update in progress to revise project estimate.
W-5709E 44855.3.5	Construct Roundabout and other safety improvements at Intersection NC 153 (Rice Street) and SR 1197 (Cannon Farm Rd) in China Grove	August 28, 2024	TBA	ROW Acquisition in progress	\$2,500,000	TBA	Matt Jones (336) 747-7800	Division POC Let (DPOC) - Project is progressing with design and right of way acquisition. Right of way acquisitions are underway, working to acquire all parcels required for utility relocations.
Y-5500IA 80000.2.1.12	SR 1526 (Henderson Grove Church Rd) RR Crossing #724 362M Closure	November 28, 2023	TBA	ROW Acquisition in progress	\$4,150,000	TBA	Kumar Trivedi (919) 707-4109	Division POC Let (DPOC) - R/W Plans Complete (RPC)(09/02/2021)
<b>STATE FORCES CONSTRUCTED PROJECTS</b>								
48921	Construct right turn lane on SR 1210 (Old Beatty Ford Rd) at US 29.	May 31, 2024	TBA	ROW Acquisition complete. Utility relocations are required.	\$361,000	State Forces	Matt Jones, PE (336) 747-7800	High Impact Low Cost (HILC) project - Let date is dependent upon right of way acquisition but hopeful a settlement can be reached with owner. An Appraisal has been requested due to the owners counteroffer being unreasonable. The right of way needed for the project has been acquired. NCDOT maintenance forces will assess their current workload and projects to determine if construction could begin by Fall 2023.
SM-5709G	Construct left turn lane on NC 152 at US 29 in China Grove	August 31, 2023	TBA	Under Construction	\$290,000	State Forces	Matt Jones, PE (336) 747-7800	NCDOT maintenance forces have begun work and are installing the new signal pole and drainage.
<b>DIVISION BRIDGE PROJECTS UNDER DEVELOPMENT</b>								
15BPR.74	Bridge Rehabilitation - Bridge #137 and #465 on I-85 over Yadkin River	April 15, 2025	TBA	TBA	\$4,200,000	TBA	Daniel Dagenhart (336) 747-7800	In development
15BPR.115	Bridge Rehabilitation - Bridge #790137 and #790465 on I-85 over Yadkin River	4/15/2025	TBA	TBA	\$4,200,000	TBA	Daniel Dagenhart (336) 747-7801	In development
17BP.9.R.76	Replace Bridge #81 over Deals Creek on SR 1926 (Hannah's Ferry Rd) in Rowan County	August 30, 2023	TBA	ROW Acquisition Complete	\$750,000	TBA	Daniel Dagenhart (336) 747-7800	Final Plans recieved - FERC permit acquired. We have ran into issues with State properties and multiple State agencies affecting the ROW.
17BP.9.R.85	Replace Bridge #198 and Bridge #199 over Crane Creek on SR 2529 (St. Paul Church Rd) in Rowan County	October 25, 2023	TBA	ROW Acquisition in progress	\$1,200,000	TBA	Daniel Dagenhart (336) 747-7800	Planning and Design underway.

Cabarrus-Rowan MPO  
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TIP / WBS No.	Description	Let Date	Completion Date	Status	Construction Cost	Contractor	Project Administrator	Comments
<b>DIVISION BRIDGE PROJECTS UNDER DEVELOPMENT</b>								
17BP.9.R.86	Replace Bridge #205 over Grant's Creek on SR 1516 (Airport Rd) in Rowan County	May 29, 2024	TBA	ROW Acquisition in progress	\$1,000,000	TBA	Daniel Dagenhart (336) 747-7800	Project is on schedule.
17BP.9.R.96	Replace Bridge #254 over Kerr Creek on SR 1547 (Caldwell Rd) in Rowan County	February 11, 2026	TBA	ROW Acquisition in progress	\$900,000	TBA	Daniel Dagenhart (336) 747-7800	Planning and Design underway.
BP9-R004 BP9-R004.3 (formerly 17BP.9.R.78)	Replace Bridge #235 over Unnamed Creek on SR 1322 (Ebenezer Rd) in Rowan County	November 13, 2024	TBA	ROW Acquisition in progress	\$750,000	TBA	Daniel Dagenhart (336) 747-7800	Planning and Design underway.
BP9-R012 BP9-R012.3 (formerly 17BP.9.R.105)	Replace Bridge #108 over Tuckertown Reservoir on SR 1004 (Stokes Ferry Rd) in Rowan County	August 27, 2025	TBA	ROW Acquisition Nov. 23, 2023	\$1,500,000	TBA	Daniel Dagenhart (336) 747-7800	Planning and Design underway.
<b>LOCALLY ADMINISTERED PROJECTS</b>								
BL-0034	US 601 from north of Kelsey Scott Park Greenway to end of Salisbury Mall project in Salisbury. Construct sidewalk connections to Salisbury Greenway/Carolina Thread Trail.	June 30, 2025	TBA	ROW Acquisition June 28, 2024	\$845,040	TBA	Wendy Brindle (704) 638-5201	Non-DOT let (LAP) - City of Salisbury - PEF has been chosen and OIG reviewing.
C-5603D 43713.3.4	Construct sidewalks on Old Concord Rd from Ryan St to Jake Alexander Blvd	November 17, 2023	TBA	ROW Acquisition in progress	\$414,000	TBA	Wendy Brindle (704) 638-5201	Non-DOT let (LAP) - City of Salisbury - Reviewing final plans. The City has received ROW phase authorization. Need ROW certification to ask for construction authorization.
C-5603H 43713.3.8	Brenner Ave from Statesville Blvd. to W Horah St and Brenner Ave. at Link Ave. in Salisbury	September 1, 2024	TBA	ROW Acquisition in progress	\$643,000	TBA	Wendy Brindle (704) 638-5201	Non-DOT let (LAP) - City of Salisbury - in design. The City has received ROW phase authorization. Waiting on Consultant to update final plans and proposal.
EB-5619B 56033.3.3	Grants Creek Greenway - Construct Multi-use trail from Kelsey Scott Park to Forestdale Dr in Salisbury	September 29, 2024	TBA	ROW Acquisition in progress	\$1,439,000	TBA	Wendy Brindle (704) 638-5201	NON-DOT let (LAP)
EB-5861	Third Street Greenway from 3rd Street to Yadkin River in Spencer. Construct alternate route, including spur from Grants Creek	September 30, 2024	TBA	TBA	TBA	TBA	Joel Taylor (704) 633-5331	Non-DOT let (LAP)
HL-0049	US 70 / US 601 (Jake Alexander Blvd) to Milford Hills Rd in Salisbury. Construct Median; Construct roundabout at Milford Hills Rd.	September 30, 2024	TBA	ROW Acquisition Sept. 1, 2023	\$830,000	TBA	Wendy Brindle (704) 638-5201	Non-DOT let (LAP) - PE funding was requested on 7/19/23. BOT approved funds on September 2023 agenda.
<b>COMPLETED PROJECTS</b>								
17BP.9.R.80	Replace Bridge #155 over Second Creek on SR 2136 (Agner Rd) in Rowan County	February 15, 2023	July 20, 2023	100% Complete	\$792,315	Kemp Sigmon Construction Co.	Eric Goldston (704) 630-3220	Project waiting on permanent vegetation establishment.

TIP/WBS No#	DESCRIPTION	LET DATE	COMPLETION DATE	STATUS	CONSTRUCTION COST	CONTRACTOR	PROJECT ADMINISTRATOR	COMMENTS
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RAILROAD	RAILROAD PROJECTS							
	PROJECTS UNDER DEVELOPMENT							
	Y-4810K	Rogers Lake Road Grade Separation over NA/NCRR Railroad and closure at Grade Crossing N.724408Y in Kannapolis	November 2022	December 2026	10.78 % Complete	16.3M	NJR Group, Inc.	NCDOT Michael Mariano 704-983-4400
P-5725	Kannapolis Train Station Second Platform and Pedestrian Overpass	June 2024	TBD		10.1 M	TBD	NCDOT Brad Smythe 919-707-4118	Utility Relocations being performed. Pending Railroad CONstruction Agreement completion.

I85	I-85 PROJECT							
	PROJECTS UNDER DEVELOPMENT							
I-3802AA	I-85 Installation of Fiber Optic Communications Network, CCTV and DMS System for I-3802A project	February 2023	October 2024 January 2025	Awarded	2.1 M	Traffic Control Devices	NCDOT Michael Mariano 704-983-4400	Project is currently under CONstruction. Allotted 510 days to Complete construction.

URBAN	URBAN PROJECTS							
	ACTIVE CONSTRUCTION PROJECTS							
	U-3440	NC 3 Kannapolis. U-2009 (Westside Bypass)-TO-SR 1691 (Loop Road). Widen existing route to multi-lane facility	November 2016	FALL 2023	95% Complete	34.1 M	JT Russell	NCDOT Jon Hinson 980-523-0085
PROJECTS UNDER DEVELOPMENT								



	TIP/WBS No#	DESCRIPTION	LET DATE	COMPLETION DATE	STATUS	CONSTRUCTION COST	CONTRACTOR	PROJECT ADMINISTRATOR	COMMENTS
B A N P R O J E C T S	U-5761	NC 3 (Dale Earnhardt Blvd.) Kannapolis Improve Intersection of NC 3 and US 29/601	R/W-2022 LET 2025	2027 PROJECTED	90% Plans R/W 60%	10.9 M	RS&H	NCDOT Donald Griffith 704-983-4418	ROW Acquisition has been paused due to utility revisions and will resume once markups are complete. Anticipated Schedule Change Request was sent 8/23/2023 to reflect 2025 LET. Schedule change IS complete and properly reflected in SAP.
	U-6032	Mallard Creek Road (SR-2467)/ Derita Rd (SR-1445) from I-485 to Concord Mills Blvd. Widen to 6 lanes	R/W-2022 LET 2025	2027 PROJECTED	75% Plans	25 M	KCI	NCDOT Donald Griffith 704-983-4418	Currently in Design. PE work continuing. ROW Acquisition paused due to Duke Energy mark-up. Schedule Change Request is anticipated due to the delay in utilities. PM will provide update when SCR has been sent.
	U-5956	US 29 Concord. Realign Union Cemetery Road to Intersect US 29 at Rock Hill Church Road	R/W-2022 LET 2025	2027 PROJECTED	75% Plans	8.1 M	Kimley-Horn	NCDOT Randy Bowers 704-983-4400	ROW Acquisition in progress.
	U-3415A	SR 1394 Poplar Tent Rd. Concord Derita Road to George Liles Pkwy. Widen to 4 lane divided	R/W-2024 LET-2027	2029 PROJECTED	15 % Plans	20.5 M	TBD	NCDOT Donald Griffith 704-983-4418	PROJECT IS BEING RESTARTED and moving forward. Working toward 25% plans.
	U-6029	SR 1394 Poplar Tent Rd. Concord Derita Road to NC 73. Widen to 4 lanes						NCDOT Sean Epperson 704-983-4400	PROJECT NOT FUNDED

**C  
P** CONGESTION PROJECTS

**HIGHWAY SAFETY PROJECTS**

ACTIVE CONSTRUCTION PROJECTS

	TIP/WBS No#	DESCRIPTION	LET DATE	COMPLETION DATE	STATUS	CONSTRUCTION COST	CONTRACTOR	PROJECT ADMINISTRATOR	COMMENTS	
S A F E T Y	47866/ SS-4910CK	Poplar Tent Rd. at Rock Hill Church Road & Eva Drive Concord Intersection improvements	March 2023	Spring 2024		1.48 M	NJR Group	NCDOT Michael Mariano 704-983-4380	Project began in July however it was halted due to utility conflicts. DDC is currently working to redesign and project will resume immediately thereafter.	
	<b>PROJECTS UNDER DEVELOPMENT</b>									
	W-5710AO	Salisbury-Concord Road/Old Concord Rd. Kannapolis to Irish Potato Road. Install Roundabout	November 2023	TBD	75% ROW	1.15 M	TBD	NCDOT Donald Harward 704-983-4400	<b>Project Approved to move forward.</b> Utility relocation in progress.	
	HS-20100	NC 73. Install rumble strips and long life pavement markings.	March 2024	TBD		1.1 M	TBD	NCDOT Jared Mathis 704-983-4400	MM 0.00-MM 4.26, MM 13.12-MM 18.9, MM 20.887 - MM 24.01 in Cabarrus County; and, MM 0.00 - MM 8.09 in Stanly County.	
	HS-2010P	NC 49; US 601; and, NC 3. Install rumble strips and long life pavement markings.	March 2024	TBD		1.4 M	TBD	NCDOT Jared Mathis 704-983-4400	NC 49 (MM 13.75-15.79), US 601 (MM 6.38-MM 12.275), and NC 3 (MM-13.777- MM 20.347).	
	HS-2010D	NC 24/27 and Bethel School Road Half RCI	Summer 2024	TBD		392 K	TBD	NCDOT Donald Harward 704-983-4400	ROW Completed. Utility Relocations have begun.	
	HS-2010F	NC 24/27 and Pine Bluff/Reed Mine Road RCI	February 2025	TBD		750 K	TBD	NCDOT Donald Harward 704-983-4400	Project Currently in Design.	
HS-2010H	NC 49 and Zion Church Road RCI	May 2025	TBD		1.95 M	TBD	NCDOT Donald Harward 704-983-4400	Project Currently in Design.		

## BRIDGE PROJECTS

### ACTIVE CONSTRUCTION PROJECTS

BP10.C002	Pipe 120247 St. Stephens Road / Mt. Pleasant Replace Pipes over Butcher Branch	September 2023	Spring 2024		600 K	TBD	NCDOT Garland Haywood 704-983-4400	Project has been LET
B-5808	Bridge 120057 & 120059 (US 29/601) over Irish Dutch Buffalo Creek near Poplar Tent Road	July 2023	FALL 2026	8.5% Complete	11.7 M	Dane Construction	NCDOT Michael Mariano 704-983-4380	Project is under CONstruction. Vegetation scheduled for completion in November 2026.

TIP/WBS No#	DESCRIPTION	LET DATE	COMPLETION DATE	STATUS	CONSTRUCTION COST	CONTRACTOR	PROJECT ADMINISTRATOR	COMMENTS	
B R I D	B-5810	Bridge 120022 /NC24-27. Locust, NC. Replace bridge over Rocky River	August 2022	July 2024	61% Complete	6.1 M	Dane Construction	NCDOT Michael Mariano 704-983-4380	East bound traffic has been shifted to the west bound side. Girders in spans C-F have been set and the deck has been poured. Completion will be Summer of 2024.
	B-5375	Bridge120 137 / SR 1132 (Miami Church Road) Mt. Pleasant over Dutch Buffalo Creek	July 2022	November 2023	95% Complete	1.2 M	NJR Group	NCDOT Michael Mariano 704-983-4380	Project CONstruction is complete. Establishment of vegetation is all that remains.
	B-5813	Bridge 120132 / NC 73 over Dutch Buffalo Creek	January 2022	Winter 2023	55 % Complete	4.3 M	NJR Group	NCDOT Michael Mariano 704-983-4380	CONstruction began in March 2022. Work was delayed due to lack of available ductile iron pipe. Girders have been set and rebar being tied.
	17BP.10.R.144	Bridge 120053 / SR 2114 (Centergrove Road) Kannapolis over Cold Water Creek	April 2021	April 2022	100% Complete	1.7 M	Dane Construction	NCDOT Jon Hinson 704-983-4380	<b>PROJECT IS COMPLETE</b> Project has been closed out.
<b>PROJECTS UNDER DEVELOPMENT</b>									
G E	B-5372	Bridge 120109 / SR 1706 Kannapolis Bridge on (East First Street) over US 29	SPRING 2024	TBD		5.8 M	TBD	NCDOT Garland Haywood 704-983-4400	Currently in Design & ROW Acquisition is in progress.
	17BP.10.R.110	Bridge 120105 / E. Gold Hill Road Mt. Pleasant Replace bridge over branch of Big Bear Creek	Fall 2029	Spring 2030		895 K	TBD	NCDOT Garland Haywood 704-983-4400	Project Currently in Design. LET has been delayed for 4 years due to budget constraints.
P	BP10.R010	Bridge 120245 / SR 1309 (Stough Road) over Wolf Meadow Creek	N/A	N/A		2.5 M	TBD	NCDOT Garland Haywood 704-983-4400	Division Bridge Maintenance has removed the existing bridge and replaced with a wider bridge of similar construction of the former bridge.
	BP10.R015	Bridge 120129 / SR 2635. (Old Airport Road) Concord over Cold Water Creek	Fall 2028	Spring 2030		1.3 M	TBD	NCDOT Garland Haywood 704-983-4400	Project Currently in Design. Contract LET has been delayed 4 years due to est. cost of CONstruction and potential funding source.

	TIP/WBS No#	DESCRIPTION	LET DATE	COMPLETION DATE	STATUS	CONSTRUCTION COST	CONTRACTOR	PROJECT ADMINISTRATOR	COMMENTS
R O	BR-0181	Bridge 120062 / SR 2180 (Lane St.) over Lake Fisher	Fall 2027	TBD		TBD	TBD	NCDOT Garland Haywood 704-983-4400	Bridge Project was scoped on July 25, 2023 and design work is underway.
	BR-0244	Bridge 120033 / SR 1625 (Rogers Lake Rd.) over Irish Buffalo Creek	Summer 2027	TBD		TBD	TBD	NCDOT Garland Haywood 704-983-4400	Bridge Project to be scoped in Fall 2023 to develop replacement plans.
J	BP10.R034	Bridge 120073 / SR 2416 (Mt Olive Road) Mt. Pleasant over Branch of Dutch Buffalo Creek	Fall 2026	Fall 2027		750 K	TBD	NCDOT Randy Bowers 704-983-4400	Project Currently in Design. Contract LET delayed 2 years due to estimated cost of CONstruction potential and funding source.
E	BP10.C010	Bridge 120301 / SR 2608 (Hahn Road) over Little Bear Creek	Fall 2024	Fall 2024		\$800K	TBD	NCDOT Garland Haywood 704-983-4400	Currently awaiting project PO, required to complete design for LET.
C	BP10.R047	Bridge 120083 / SR 2408 (Gold Hill Road) over Dutch Buffalo Creek	Fall 2030	Spring 2032		900 K	TBD	NCDOT Garland Haywood 704-983-4400	Project Currently in Design. Contract LET date delayed 5 years due to estimated cost of CONstruction and potential funding source.
T	BP10.R055	Bridge 120292 / Mauney Road Mt. Pleasant Replace bridge over Little Meadow Creek	Fall 2025	Winter 2026		750 K	TBD	NCDOT Garland Haywood 704-983-4400	Project Currently in Design.
S	BP10.C003	Bridge 120050 / SR 2113 (Penninger Road) over Br. Of Cold Water Creek	Fall 2033	Winter 2034		\$870K	TBD	NCDOT Garland Haywood 704-983-4400	Project Currently in Design. Contract LET date delayed 5 years due to estimated cost of CONstruction and potential funding source.
	BP10.R019	Bridge 120173 / SR 1169 (Peach Orchard Road) Harrisburg over McKee Creek	LET Date beyond 2026. Currently not established	TBD		500 K	TBD	NCDOT Garland Haywood 704-983-4400	Plan Development will proceed when LET has been scheduled and confirmed.
	BP10.C001	Bridge 120219 / SR 2710 (Walker Road) Concord over Adams Creek	LET Date beyond 2026. Currently not established	TBD		450 K	TBD	NCDOT Garland Haywood 704-983-4400	Plan Development will proceed when LET has been scheduled and confirmed.

TIP/WBS No#	DESCRIPTION	LET DATE	COMPLETION DATE	STATUS	CONSTRUCTION COST	CONTRACTOR	PROJECT ADMINISTRATOR	COMMENTS
BP10.R031	Bridge 210 / SR 1006 (Mt Pleasant Road) Mt. Pleasant over Bost Creek	LET Date beyond 2026. Currently not established	TBD		550 K	TBD	NCDOT Garland Haywood 704-983-4400	Plan Development will proceed when LET has been scheduled and confirmed.

## MUNICIPAL PROJECTS

### ACTIVE CONSTRUCTION PROJECTS

M U N I C I P A L	U-6098/47706	(PHASE II) Cabarrus County -Various; Left turn lane at NC 73 and SR 1430 // Turn lanes at access rd. NC 73 // RAB SR 1620 & SR 1621 // Extend storage I-85 ramps	Spring 2023	Spring 2024	30% Complete*	2.7 M	Sealand Contractors Corp.	City of Kannapolis NCDOT Jeff Burleson 704-983-4400	Phase I is completed. *A small section of Phase II was completed during the CONstruction of Phase I. Anticipated completion Date: June 2024.
	SS-6010AP	NC 3 Branchview Drive and Cabarrus Avenue Crosswalk and Traffic Signal Upgrades	January 2023	March 2023	98% Complete	24 K	Watson Electrical Construction ON CALL	City of Concord NCDOT Zach Gardener 704-983-4400	Work has been completed. Final Invoice submitted on May 29, 2023.

### PROJECTS UNDER DEVELOPMENT

C I P A L	BL-0043	N Washington St (NC 73 to Park Drive) Sidewalk, C&G, widening, sharrows	September 2024	TBD	Working on PEF selection.	524 K	TBD	Mt Pleasant NCDOT Jeff Burleson 704-983-4400	Agreement executed 11/10/22. PE Funds authorized 6/11/23. PEF selection starting soon.
	C-5603I	US 601 From Flowe Store Road to Zion Road with US 601 and Flowe Store Road. Sidewalk and intersection improvements	September 2024	TBD	75% Plans	1.5 M	TBD	Concord NCDOT Jeff Burleson 704-983-4400	Awaiting (75%) plans submittal. ROW Authorization proposed 12/1/23.
	EB-5732	SR 2894 (Concord Mills Blvd.) Concord Construct Sidewalks on Concord Mills Blvd. and portions of Weddington Road from US 29 to SR 1431	R/W 2024 LET 2026	2027	25 % Plans	6 M	HNTB	NCDOT Sean Epperson 704-983-4400	<b>PROJECT IS REACTIVATED</b> and moving forward. Working toward 65% plans.
	C-5603F	Bethpage Road From South Main Street to Leonard Avenue and from Westgreen Drive to Klondale Avenue sidewalk	March 2025	TBD	Working on 60% Plans	208 K	TBD	Kannapolis NCDOT Jeff Burleson 704-983-4400	Waiting on revised ROW plan submittal and CE.



R O J E C T S	TIP/WBS No#	DESCRIPTION	LET DATE	COMPLETION DATE	STATUS	CONSTRUCTION COST	CONTRACTOR	PROJECT ADMINISTRATOR	COMMENTS
	EB-5844	Little Texas Road Lane Street to Dale Earnhardt Blvd sidewalk	September 2024	TBD	Working on 60% Plans	2.1 M	TBD	Kannapolis NCDOT <b>Jeff Burleson</b> 704-983-4400	ROW plans due 10/2/23.
	HL-0062	NC 49 from Morehead Rd to Cedar Dr-Access Management Improvement	March 2025	TBD	Working on PEF selection.	6.5 M	TBD	Harrisburg NCDOT <b>Jeff Burleson</b> 704-983-4400	Agreement executed 8/3/23.
	HL-0063	Caldwell Rd from US 29 to NC 49-Intersection Improvement and Roadway Extension	March 2025	TBD	Working on PEF selection.	4.2 M	TBD	Harrisburg NCDOT <b>Jeff Burleson</b> 704-983-4400	Agreement executed 8/3/23.
	HL-0001	Poplar Tent Road Improvements (Moss Drive to Fullerton PI Drive)	April 2025	TBD		3.9 M	TBD	Concord NCDOT <b>Jeff Burleson</b> 704-983-4400	(PE, ROW, CON) PE funds approved 8/17/22. RK&K selected as PEF and rates/contract apprvd. Starting design talks and environmental.
	BL-0060	Cox Mill Road Loop Greenway & Bicycle/Ped bridge	August 2025	TBD		1.9 M	TBD	Mt Pleasant NCDOT <b>Jeff Burleson</b> 704-983-4400	CON PHASE ONLY Agreement executed 1/20/23.
	BL-0086	Hickory Ridge Rd and Stallings Rd sidewalks	February 2025	TBD		1.5 M	TBD	Harrisburg NCDOT <b>Jeff Burleson</b> 704-983-4400	Agreement executed 8/3/23.
	BL-0087	Elm Ave, Glenn St, Crowell Dr, & Cedar Dr sidewalk	September 2024	TBD		1.6 M	TBD	Concord NCDOT <b>Jeff Burleson</b> 704-983-4400	Project in its earliest discussion. Yet to schedule date or start the LAP process. Awaiting discussion.

## RURAL PROJECTS

### PROJECTS UNDER DEVELOPMENT

R U R A L	R-2246A	George Liles Parkway Concord NC 49 to Roberta Road. Widen to Multi-Lanes	R/W 2028 LET 2030	TBD		16.5 M	TBD	NCDOT <b>Travis Preslar</b> 704-983-4400	<b>PROJECT IS BEING RESTARTED.</b> Design firm is currently working on scope and fee.
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## VARIOUS PROJECTS

### ACTIVE CONSTRUCTION PROJECTS

	TIP/WBS No#	DESCRIPTION	LET DATE	COMPLETION DATE	STATUS	CONSTRUCTION COST	CONTRACTOR	PROJECT ADMINISTRATOR	COMMENTS
V A R I O U S	2023CPT.10.1 5.20131 - Contract DJ00453	VARIOUS LOCATIONS - 9 sections of secondary roads	March 2023	November 2024	0% Complete	2.4 M	NJR Group, Inc.	NCDOT <b>Marc Morgan</b> 704-983-4380	Anticipate work to begin Summer 2024
	2023CPT.10.1 6.20132 Contract DJ00454	VARIOUS LOCATIONS - Sections of 10 secondary roads	March 2023	June 2024	75% Complete	416 K	Carolina Road Solutions LLC	NCDOT <b>Marc Morgan</b> 704-983-4380	CONstruction has begun and is moving well. Project is tracking to be completed ahead of schedule.
	2023CPT.10.1 4.10131 - Contract DJ00447	VARIOUS LOCATIONS - 1 Section of NC 3 and 3 sections of secondary roads	January 2023	October 2024	0% Complete	2.3 M	NJR Group, Inc.	NCDOT <b>Marc Morgan</b> 704-983-4380	Anticipate work to begin Spring 2024
	2022CPT.10.0 9.10131 - Contract C204686	VARIOUS LOCATIONS - 1 Section of NC 3 and 39 sections of secondary roads	December 2021	December 2023	60% Complete	5.5 M	NJR Group, Inc.	NCDOT <b>Marc Morgan</b> 704-983-4380	Project has experienced some delays. Currently tracking to be completed near the end of the calendar year.
	R-5790JG 44920.3.15	VARIOUS LOCATIONS - Installation of curb ramps.	April 2023	August 2024		486 K	East Construction Co., LLC	NCDOT <b>Jon Hinson</b> 980-523-0080	Project has been LET & Awarded. Anticipated completion date : August 2024
<b>PROJECTS UNDER DEVELOPMENT</b>									
U N D E R D E V E L O P M E N T	HE-0015	NC 49 @ Prince Circle (West of General Services Drive SW) Convert existing full access crossover to reduced conflict intersection with leftovers and signalized U-turn leftovers.	December 2021	TBD		2 M		NCDOT <b>Marc Morgan</b> 704-983-4380	Kroger opened the sole bid received. The single bid was 100% over engineer's estimate. Currently being reevaluated to determine next steps.
	SS-6210A 49966	Zion Church Road and Zion Church Road All-way Stop	December 2023	November 2023		121 K	NCDOT	NCDOT <b>Zach Gardner</b> 704-983-4400	Plans being developed for 5 foot widening radii.
	SS-6010AX 49833.3.1	Zion Church Road and Central Heights Drive All- way Stop	October 2023	November 2023		20 K	NCDOT	NCDOT <b>Zach Gardner</b> 704-983-4400	

Funding Category	10 year Budget Including Lookback Law minus DA Funding (starting budget)	Amount of STI Committed Projects	Remaining Available Budget for P7.0	Number of Uncommitted Projects	\$ Amount of Uncommitted Project costs within 2026-2035 window	Remaining Available Budget – Uncommitted Projects (Available for New Projs)*
<b>Statewide</b>	\$11.6B	\$7.7B	\$3.9B	50	\$4.7B	\$0
<b>Region A</b>	\$796M	\$756M	\$40M	2	\$100M	\$0
<b>Region B</b>	\$1.108B	\$1.074B	\$34M	2	\$116M	\$0
<b>Region C</b>	\$2.4B	\$1.1B	\$1.3B	24	\$1.1B	\$200M
<b>Region D</b>	\$1.477B	\$864.5M	\$613M	17	\$611M	\$2M
<b>Region E</b>	\$2.54B	\$2.48B	\$64M	3	\$81M	\$0
<b>Region F</b>	\$1.28B	\$1.05B	\$230M	6	\$167M	\$63M
<b>Region G</b>	\$884M	\$958M	-\$74M	5	\$122M	\$0
<b>Division 1</b>	\$806M	\$763M	\$43M	1	\$2M	\$41M
<b>Division 2</b>	\$826M	\$881M	-\$55M	0	\$0	\$0
<b>Division 3</b>	\$714M	\$753M	-\$39M	2	\$34M	\$0
<b>Division 4</b>	\$682M	\$656M	\$26M	3	\$18M	\$8M
<b>Division 5</b>	\$518M	\$502M	\$16M	2	\$30M	\$0
<b>Division 6</b>	\$660M	\$461M	\$199M	5	\$183M	\$16M
<b>Division 7</b>	\$681M	\$434M	\$247M	26	\$171M	\$76M
<b>Division 8</b>	\$831M	\$757M	\$74M	6	\$44M	\$30M
<b>Division 9</b>	\$692M	\$587M	\$103M	1	\$88M	\$15M
<b>Division 10</b>	\$473M	\$502M	-\$29M	1	\$9M	\$0
<b>Division 11</b>	\$853M	\$956M	-\$103M	1	\$11M	\$0
<b>Division 12</b>	\$821M	\$705M	\$116M	2	\$39M	\$77M
<b>Division 13</b>	\$748M	\$643M	\$105M	4	\$60M	\$45M
<b>Division 14</b>	\$753M	\$555M	\$198M	6	\$80M	\$118M

\*This assumes that all uncommitted projects (carryover projects) score high enough in P7.0 to be funded in the 2026-2035 STIP

Notes to keep in mind:

- This is a snapshot in time:
  - only accounts for estimates and bid awards at this time
  - we have to assume the same look back law as last cycle
- It can and will change by the time our STIP managers start programming the 2026-2035 STIP
- A variety of things affect these numbers:



- \$700M in increases (cost estimates, additional authorizations and bid award adjustments) in committed projects since we locked down the STIP in March ahead of the June adoption
- Some buckets had almost all their projects committed. This means less available funding for new projects.
- There's also cases where a project may be committed with ROW starting in that last year (2028) and CON starting around 2031. That means the next 2 years we pick up in the STIP, are heavy cash flow years (2034 and 2035)
- One last item to keep in mind, the funding availability shown is relative to 0% over programmed. We are allowed to go up to 10% over and we use that as necessary when programming. On average, the Division needs buckets were about 7% over programmed in this last STIP.

**Division 10 P7 Draft Submittal List**

	<b>Route / Intersection</b>	<b>Description</b>	<b>From / Cross Street</b>	<b>To</b>	<b>MPO/RPO</b>	<b>County</b>
1	Poplar Tent Road	Widen from 2 to 4 lanes	Harris Road	NC 73	CRMPO	Cabarrus
2	Albemarle Road (NC 24-27)	Intersection improvements at Albemarle Road and Harris Boulevard (NC 24) / Lawyers Road	Harris Boulevard / Lawyers Road	-	CRTPO	Mecklenburg
3	I-277 (Belk Freeway)	Add one lane in each direction and improve interchanges	South Boulevard	Kenilworth Avenue	CRTPO	Mecklenburg
4	I-485	Interchange improvements at I-485 and Harrisburg Road	Harrisburg Road	-	CRTPO	Mecklenburg
5	Lancaster Highway	Widen from 2 to 4 lanes	Ballantyne Commons Parkway	US 521	CRTPO	Mecklenburg
6	NC 27 (Mt Holly Road)	Widen from 2 to 4 lanes	Moores Chapel Road	I-485	CRTPO	Mecklenburg
7	US 521 (Johnston Road)	Construct grade separation on US 521 at Ballantyne Commons Parkway and Brixham Hill Avenue	I-485	Ballantyne Commons Parkway	CRTPO	Mecklenburg
8	US 74	Widen from 4 to 6 lanes	I-485	Catawba River	CRTPO	Mecklenburg
9	NC 75	Intersection improvements at NC 75 and Potter Road	Potter Road	-	CRTPO	Union
10	NC 84	Intersection improvements at NC 84 and Wesley Chapel Road	Wesley Chapel Road	-	CRTPO	Union
11	US 74	Widen from 4 to 6 lanes	Rocky River Road	Indian Trail - Fairview Road	CRTPO	Union
12	US 74	Intersection improvements at US 74 and US 601	US 601	-	CRTPO	Union
13	Waxhaw Parkway West	Construct roadway on new location	Terminus of existing Waxhaw Parkway	Helms Road	CRTPO	Union
14	TBD					



**NORTH CAROLINA**  
Department of Transportation

# Reduced Conflict Intersections

NCDOT Division of Highways

Division 10

October 18, 2023



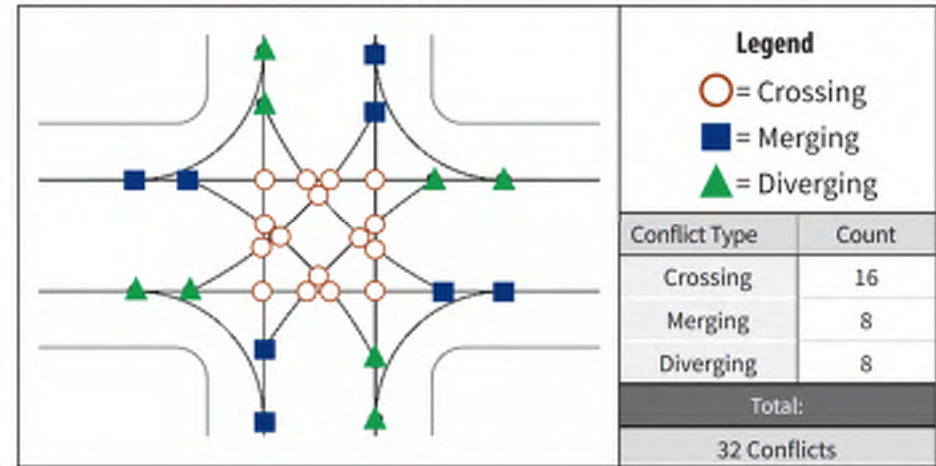
Connecting people, products and places safely and efficiently with customer focus, accountability and environmental sensitivity to enhance the economy and vitality of North Carolina

# Traditional Intersection and Conflict Points

A traditional T-intersection has a total of 32 potential conflict points for collisions between vehicles.



Conventional Intersection: Conflict Points

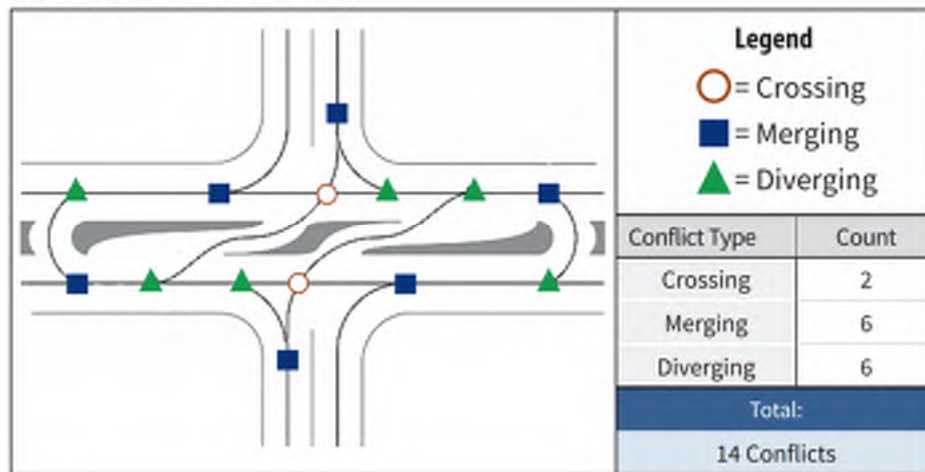


## What is a reduced conflict intersection?

A reduced conflict intersection (RCI) – previously referred to as a superstreet or a synchronized street – is a general term used to describe several types of designs that can be used to improve safety and traffic flow on a highway.

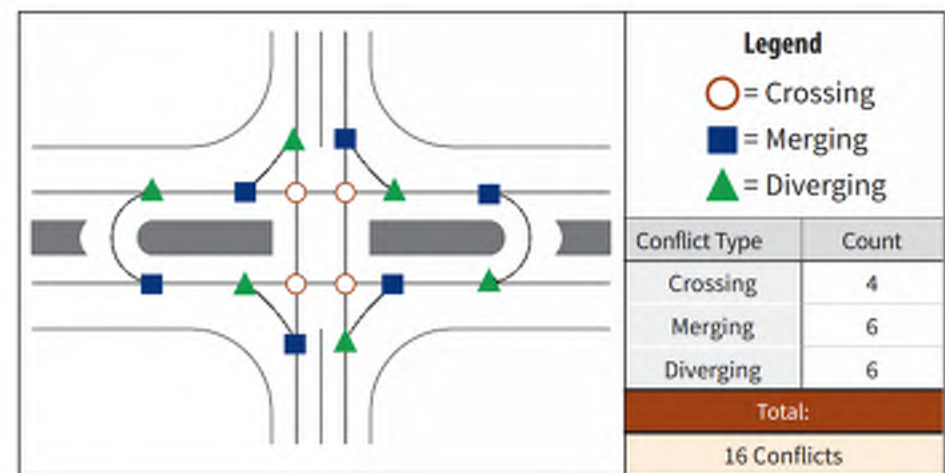
There are variations to the designs, but they all function the same by reducing by almost half the number of potential locations, or conflict points, where drivers and pedestrians can collide. The reduction in conflict points is from altering how left-turns occur.

**RCUT Intersection: Conflict Points**



(Restricted Crossing U-turn)  
 Ex. NC 49 @ Old Charlotte Rd  
 Ex. NC 49 @ Stough Rd

**MUT Intersection: Conflict Points**



(Median U-turn)  
 Ex. Poplar Tent Rd @ Derita Rd



## How does it work?

In a Restricted Crossing U-turn (RCUT), the direct left-turn and through movement from the side street is modified. Side street vehicles make a right-turn followed by a U-turn at a designated location before continuing in the desired direction.



NC 49 & Old Charlotte Hwy, Cabarrus County

## How does it work?

In a Median U-turn (MUT), the direct left-turns from both the major and side street are modified. All through movements are maintained in a MUT. Instead of making a left-turn at the main intersection, vehicles are direct to make a U-turn followed by a right-turn at the intersection.



Poplar Tent Rd & Derita Rd, Cabarrus County



# Why install RCI's?

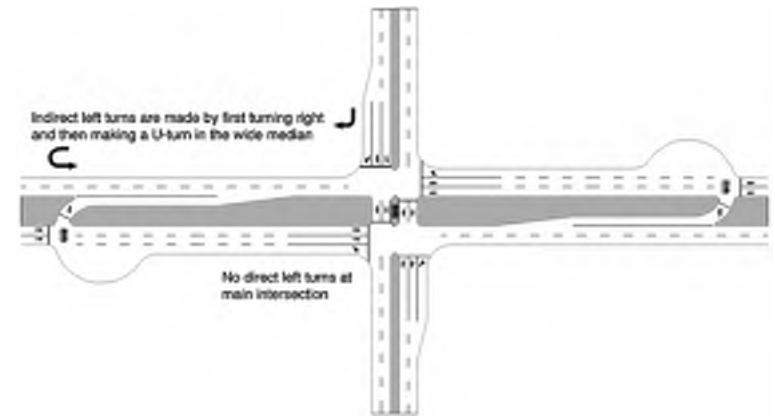
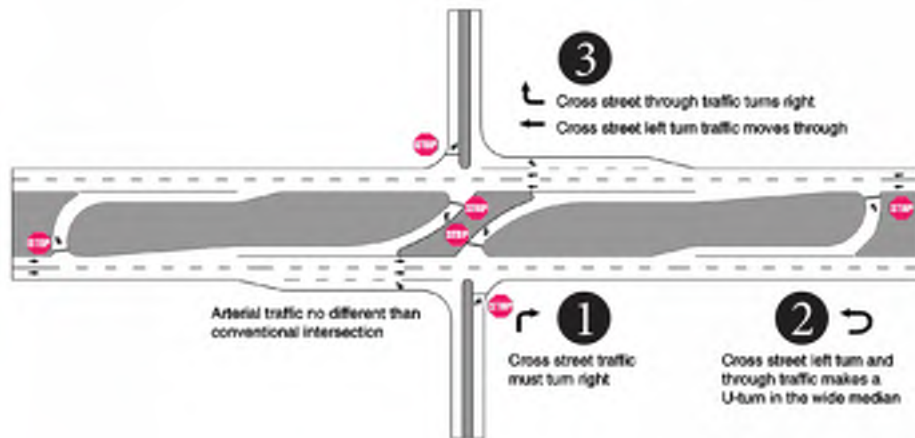
- SAFETY. RCI intersections simplify decision-making for drivers and minimize the potential for higher severity crash types, such as head-on and angle.

**RCUT**  
Two-Way Stop-Controlled to RCUT:  
**54%**  
reduction in fatal and injury crashes.<sup>2</sup>

**Signalized Intersection to Signalized RCUT:**  
**22%**  
reduction in fatal and injury crashes.<sup>3</sup>

**Unsignalized Intersection to Unsignalized RCUT:**  
**63%**  
reduction in fatal and injury crashes.<sup>4</sup>

**MUT**  
**30%**  
reduction in intersection-related injury crash rate.<sup>5</sup>



Data source: FHWA



## Why install RCI's?

- TRAVEL TIME SAVINGS. RCI intersections implemented along a corridor provide shorter travel times and improved efficiency.
- NCDOT compared travel times before and after RCI corridor implementation along US 74 from Indian Trail-Fairview Rd to Sardis Church Rd (2.8 miles) during non-holiday weeks in 2016-2018 to 2022-2023.

US 74 Travel Time Savings	
Eastbound	Westbound
14% Overall Reduction	18% Overall Reduction
~30% Reduction per direction when combining AM & PM Peak Hours	

Data source: NCDOT

## Other RCI Benefits

- **TRAFFIC OPERATIONS.** Vehicle throughput increases 30-50% depending on the type of RCI used. Travel time is reduced due to simplified traffic signal phasing allowing for more green time.
- **FLEXIBILITY.** RCI's are suitable for and adaptable to a wide variety of circumstances, ranging from isolated rural, high-speed locations to urban and suburban high-volume corridors. Work well when consistently used along a corridor but can also be used effectively at individual intersections.
- **COST & IMPACTS.** Less costly and have fewer impacts than a grade separated interchange and faster construction time.

## NCDOT Research Project RP-2020-47 “Economic Impact of SuperStreets”

- Most results indicated a null to positive result on business activity except industrial uses.
- Business survey indicated that businesses with larger number of customers are more likely to believe RCI’s make their business easier to reach.
- Industrial users were less likely to agree that RCI’s make business easier to reach.





305 Chestnut Street  
PO Box 1810  
Wilmington, NC 28402  
Ph: (910) 341-3258  
Fax: (910) 341-7801  
www.wmpo.org

August 25, 2023

Mr. Chad Kimes P.E.  
North Carolina Department of Transportation  
5501 Barbados Blvd.  
Castle Hayne, NC 28429

Dear Mr. Kimes,

The Wilmington Urban Area Metropolitan Planning Organization (WMPO) is pleased to offer this Letter of Support as evidence to the North Carolina Department of Transportation's highway improvement design type called reduced conflict intersections (RCIs), also referred to as a superstreet, a synchronized street, or a median U-turn, implemented to improve safety and traffic flow along corridors with growing traffic volumes and high crash rates. The superstreet was first installed in North Carolina in the Wilmington Urban Area and our region contains a number of RCIs today.

NCDOT has implemented reduced conflict intersections with and without traffic signals where conventional intersections have failed to reduce crashes. RCIs, if designed correctly, can improve safety for motorists and pedestrians, limiting the points of conflict for all users. The RCI design benefits travel time savings analysis (TTS), which is a key factor in determining the cost-benefit of projects submitted by the WMPO to NCDOT. In consideration of funding challenges, the WMPO recognizes the advantage of the RCI design requiring less right-of-way or property impacts than adding travel lanes or building interchanges and overpasses, allowing the WMPO to focus funding on additional improvements and opportunities.

By way of this letter, the WMPO endorses and supports the NCDOT in your continuing to implement appropriately designed RCIs and alternative intersections to improve safety and congestion along our roads and benefitting all modes in our communities.

Sincerely,

Mike Kozlosky  
Executive Director

Wilmington Urban Area Metropolitan Planning Organization



CABARRUS COUNTY ◦ CHINA GROVE ◦ CLEVELAND ◦ CONCORD ◦ GRANITE QUARRY ◦ HARRISBURG ◦ KANNAPOLIS ◦ LANDIS  
MIDLAND ◦ MOUNT PLEASANT ◦ ROCKWELL ◦ EAST SPENCER ◦ ROWAN COUNTY ◦ SALISBURY ◦ SPENCER ◦ FAITH

October 25, 2023

Mr. Brett Canipe, PE  
NCDOT Division 10  
716 W Main St.  
Albemarle, NC 28001

Subject: Reduced Conflict Intersection (RCI) Letter of Support

Dear Mr. Canipe:

The Cabarrus Rowan Metropolitan Planning Organization (CR MPO) is pleased to offer this Letter of Support for the use of Reduced Conflict Intersections (RCIs) as a design method, to improve safety and traffic flow along corridors with growing traffic volumes and high crash rates.

NCDOT has implemented reduced conflict intersections with and without traffic signals where conventional intersections have failed to reduce crashes. RCIs improve safety for motorists and pedestrians by limiting the points of conflict for all users. The RCI design benefits travel time savings analysis (TTS), which is a key factor in determining the cost-benefit for projects submitted by CR MPO to NCDOT. In consideration of funding challenges, the CR MPO recognizes the advantage of the RCI design requiring less right-of-way or property impacts than adding travel lanes or building interchanges and overpasses, allowing the CR MPO to focus funding on additional improvements and opportunities.

By way of this letter, the CR MPO endorses and supports the NCDOT in your continuing to implement appropriately designed RCIs and alternative intersections to improve safety and congestion along our roads and benefitting all modes in our communities.

Sincerely,

Brittany Barnhardt, Vice-Chair  
Cabarrus-Rowan TAC

cc: Mr. Stephen Rosenburgh, NCDOT Board of Transportation  
Mr. Andrew Perkins, NCDOT Board of Transportation  
Mr. Pat Ivey, NCDOT Division 9  
Mr. Ryan Dayvault, TAC Chair

### CMAQ Projects Submitted since July 18, 2023

TIP #	Location	Project Type	Federal	Local	Total	Contact
C-5603D	Old Concord Road (Ryan St to Jake Alexander Blvd)	Sidewalks	\$ 1,608,468	\$ 402,117	\$ 2,010,585	Wendy Brindle, PE
C-5603H	Brenner Avenue	Sidewalk and Intersection Improvements	\$ 1,589,158	\$ 397,289	\$ 1,986,447	Wendy Brindle, PE
BL-0060	Cox Mill Loop	Greenway and Bicycle/Pedestrian Bridge	\$ 3,680,000	\$ 920,000	4,600,000	George Berger, AICP
C-5603I	US 601/Flowes Store Rd/Miami Church Rd	Sidewalk and Intersection Improvements	\$ 4,505,114	\$ 1,126,278	\$ 5,631,392	Phillip Graham, PE
C-5502	Little Texas Road (Forest Park Dr to Mission Tripp St)	Sidewalk	\$ 986,400	\$ 246,600	\$ 1,233,000	Elizabeth Hassenfritz, PE
New Project	Roberta Road and Main Street	Roundabout	\$ 2,644,700	\$ 661,176	\$ 3,305,880	Mallory Hodgson, PE
				<b>\$ 3,753,461</b>		

## CMAQ & CRP Stats

- Call for CMAQ & CRP Projects Ended Mid-March
- CMAQ
  - **25 Applications** from MPOs and RPOs
    - ~\$29M in CMAQ funds requested
  - **10 Applications** from Statewide partners
    - ~\$44M in CMAQ funds requested
  - Total of **~\$73M** in CMAQ funds requested
- CRP
  - **49 Applications** from RPOs, Divisions, and other internal NCDOT business units
  - **~\$61M** in requested CRP funds requested
  - Working with NCDOT Planning and Programming on MPO projects (CRP-DA)

## CMAQ & CRP Process Updates [1/2]

- Accepting applications continuously
  - Starts now
  - Applies to both CMAQ and CRP
- NCDOT will review applications in batches on a quarterly basis
  - March 31<sup>st</sup>
  - June 30<sup>th</sup>
  - September 30<sup>th</sup>
  - December 31<sup>st</sup>
- Goal is to over program CRP and CMAQ due to low obligation rates
- *NCDOT may throttle applications in the future* based on funding availability
- Working with interagency partners to streamline application approvals
- Updated process document coming soon



## **NCDOT's policy regarding Congestion Mitigation and Air Quality Improvement Program and Carbon Reduction Program funding.**

The federal share (80 percent) for these programs is exempt from STI as determined by North Carolina General Statute 136-189.11 while the portion of state funds used for the required 20 percent state match shall be included in the applicable category of the Transportation Investment Strategy Formula. The following is criteria for NCDOT to provide state funds to match these projects.

In cases where the Transportation Planning Division (TPD) determined the eligibility for NCDOT to provide the 20 percent state match, and the local agency or Division disagree with this determination, the local agency or division can appeal the decision to the Director of Strategic Planning and Programming.

### ***Congestion Mitigation and Air Quality Improvement Program (CMAQ)***

Due to the way NCDOT distributes CMAQ funds, and state statutes, the type of project, and how the project was prioritized and selected the project are important factors to determine eligibility for NCDOT to provide the 20 percent match. There will not be any considerations for NCDOT to provide a match higher than the 20%; this does not limit the submitting agency from supplementing funding from other non-STI funding, or local funding.

1. Projects prioritized, selected, and funded by NCDOT **NCDOT Provides 20% match.**

These projects are those that were submitted to the Transportation Planning Division (TPD), prioritized, selected, and recommended funding by TPD. These projects must meet **all** the following:

- a. Must be an eligible project type that meets the criteria established by and not excluded by § 136-189.11. (c)(4)
- b. Project is not excluded by § 136-189.11(d)(3)(c)
- c. Project is on a state-maintained facility.
- d. Division supports the project and is willing to use appropriate STI category (bucket) to cover the required 20% match.

2. Projects prioritized, selected, and funded by MPO or RPO **NCDOT Provides 20% match.**

These projects are those that the MPO and RPO selected using the funds that they manage.

- a. Must be an eligible project type that meets the criteria established by and not excluded by § 136-189.11. (c)(4)
- b. Project is not excluded by § 136-189.11(d)(3)(c).
- c. Project is on a state-maintained facility.
- d. Division supports the project and is willing to use appropriate STI category (bucket) to cover the required 20 % match.
- e. The project would have scored sufficiently that NCDOT would have selected and funded the project as mentioned in 1 above.

3. Projects not in 1 or 2, prioritized, selected, and funded by MPO or RPO **Local Agencies Provides 20% match.**

NCDOT cannot provide the match for CMAQ projects that do not meet all the requirements of either 1 or 2 above.

### **Carbon Reduction Program (CRP)**

The federal CRP has been sub-allocated by the federal government to the MPOs and the NCDOT. There are legislative requirements for this program like CMAQ. There will not be any considerations for NCDOT to provide a match higher than the 20%; this does not limit the submitting agency from supplementing funding from other non-STI funding, or local funding.

4. Projects prioritized, selected, and funded by NCDOT **NCDOT Provides 20% match.**

These projects are those that were submitted to the Transportation Planning Division (TPD), prioritized, selected, and recommended funding by TPD. These projects must meet **all** the following:

- a. Must be an eligible project type that meets the criteria established by and not excluded by § 136-189.11. (c)(5).
- b. Project is not excluded by § 136-189.11(d)(3)(c).
- c. Project is on a state-maintained facility.
- d. Division supports the project and willing to use appropriate STI category (bucket) to cover the required 20 % match.

5. Projects prioritized, selected, and funded by MPO **NCDOT may provide 20% match.**

These projects are those that the MPO manages with funds distributed to the MPO by FHWA.

- a. Must be an eligible project type that meets the criteria established by and not excluded by § 136-189.11. (c)(5).
- b. Project is not excluded by § 136-189.11(d)(3)(c).
- c. Project is on a state-maintained facility.
- d. Division supports the project and willing to use appropriate STI category (bucket) to cover the required 20 % match.
- e. The project would have scored sufficiently that NCDOT would have selected and funded the project as mentioned in 3 above.
- f. The Division Engineer **chooses** to include the 20% matching funds in their division budget.

6. CRP Projects not in 4 or 5, prioritized, selected, and funded by MPO **Local Agencies Provides 20% match.**

NCDOT cannot provide the match for CRP projects that do not meet all the requirements of either 4 or 5 above.

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

**DRAFT**

# Carbon Reduction Strategy

OCTOBER 12, 2023



## INTRODUCTION

The Carbon Reduction Program was established through the Infrastructure, Investment and Jobs Act (IIJA), also known as the Bipartisan Infrastructure Law (BIL), on Nov. 15, 2021. This program provides funds for projects that reduce carbon dioxide (CO<sub>2</sub>) emissions from the transportation sector. Sixty five percent of the state's apportionment is to be obligated to projects based on population. The remaining 35% can be obligated to projects anywhere in the state.

The North Carolina Department of Transportation (NCDOT) has developed this Carbon Reduction Strategy (CRS) to support existing, current and future efforts in reducing transportation sector greenhouse gas emissions (GHG). Future updates to the CRS will be updated at least a minimum over every four years per federal statute (§ 11403; 23 U.S.C. 175). This report is comprised of two main sections: a summary of North Carolina's existing greenhouse initiatives and NCDOT's carbon reduction implementation and strategy.

The first section discusses executive orders and their impacts on various agency efforts led by the N.C. Department of Environmental Quality and the N.C. Department of Transportation. First, the Greenhouse Gas Inventory, developed by NCDEQ, illustrates that the transportation sector is the greatest contributor to gross GHGs in North Carolina. The report also outlines other plans and efforts, including NCDEQ's Pathways Analysis and NCDOT's Clean Transportation Plan. These plans and efforts lay the groundwork for the carbon reduction policy recommendations for state agencies and partners.

The second section summarizes how NCDOT developed a strategy for the utilization of CRP funds. It also provides a modal breakdown of projects in metropolitan planning organizations and in rural areas statewide. Lastly, the report discusses existing and future CRP strategies.

## EXISTING NC GREENHOUSE GAS REDUCTION INITIATIVES

In recent years, North Carolina has developed various plans and policies to address reducing greenhouse gas emissions (GHG) across the state. These include executive orders by the North Carolina Governor Roy Cooper, and developing a North Carolina Clean Transportation Plan (NCCTP), and the NC Deep Decarbonization Pathways Analysis. This section outlines key points from these policies and plans on how North Carolina will address GHG emissions for the transportation sector.

### EXECUTIVE ORDERS

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#### EXECUTIVE ORDER 80

[Executive Order \(EO\) 80](#) (North Carolina's Commitment to Address Climate Change and Transition to a Clean Energy Economy), signed in 2018, set a target to increase the total number of registered zero emission vehicles (ZEVs) to at least 80,000 vehicles by the year 2025. This will directly impact the transportation sector by setting a target to shift from internal combustion engines (ICE) to ZEVs. Not directly related but relevant to the transportation sector, the EO also aims to reduce GHG emissions by 40% below the 2005 level across the state by 2025. Additionally, the EO aims to reduce energy consumption in state-owned buildings by 40% below the 2002-2003 levels by 2025.

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#### EXECUTIVE ORDER 246

<https://governor.nc.gov/executive-order-no-246> Executive Order 246 (North Carolina's Transformation to a Clean, Equitable Economy), signed in 2022, expanded upon EO 80's target in registering EVs to a new target of 1.25 million ZEVs registered in the state by 2030. The EO also set a target to increase the sale of passenger ZEVs so that 50% of in-state sales are zero emission vehicles by 2030. Also, this EO aims to reduce economy wide emissions by 50% between 2025 and 2030 and achieve net-zero emissions no later than 2050.

This EO also established the need for NCDOT to develop the N.C. Clean Transportation Plan (NCCTP). More on the NCCTP is outlined in its respective section below.

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#### EXECUTIVE ORDER 271

EO 271, signed in 2022, has additional policies that impact the transportation sector. EO 271 outlines the following three key goals:

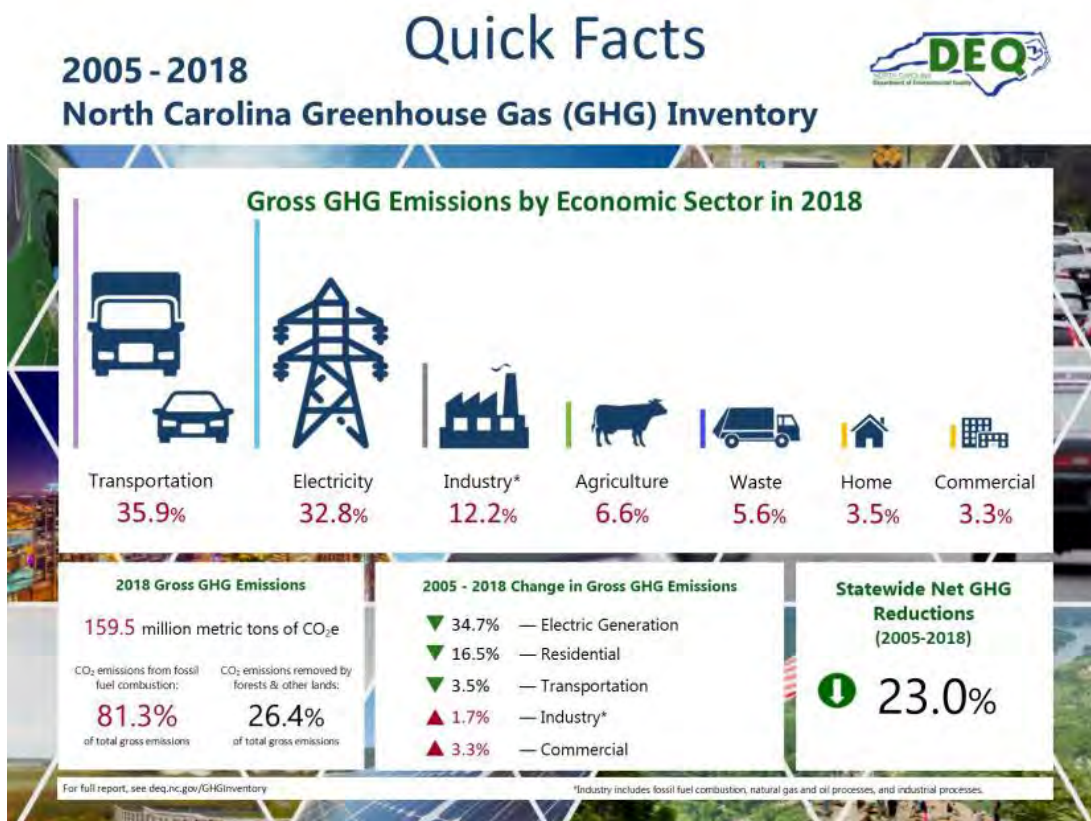
- Propose a NC Advanced Clean Trucks rule by May 2023 (however state legislation has halted this effort)
- Develop and prioritize statewide complementary strategies to aid in the reduction of GHG emissions

- Complete a ZEV infrastructure needs assessment for light duty vehicles and medium and heavy-duty vehicles to help direct future funding and policy decisions

## GHG INVENTORY

The NC GHG Inventory was prepared by the N.C. Department of Environmental Quality in 2019 and updated in 2022. The purpose of this plan was to provide an inventory of GHG emissions that represents the carbon footprint for the entire state. The inventory provides a high-level accounting of GHG emissions from human sources between 1990 and 2018. Additionally, it provides a forecast of GHG emissions from 2019 to 2030.

A summary of gross GHG emissions by economic sector between 2005 and 2018 is shown below from the plan in Figure 1. Based on these findings, the transportation sector produces the majority of GHG emissions throughout the state.

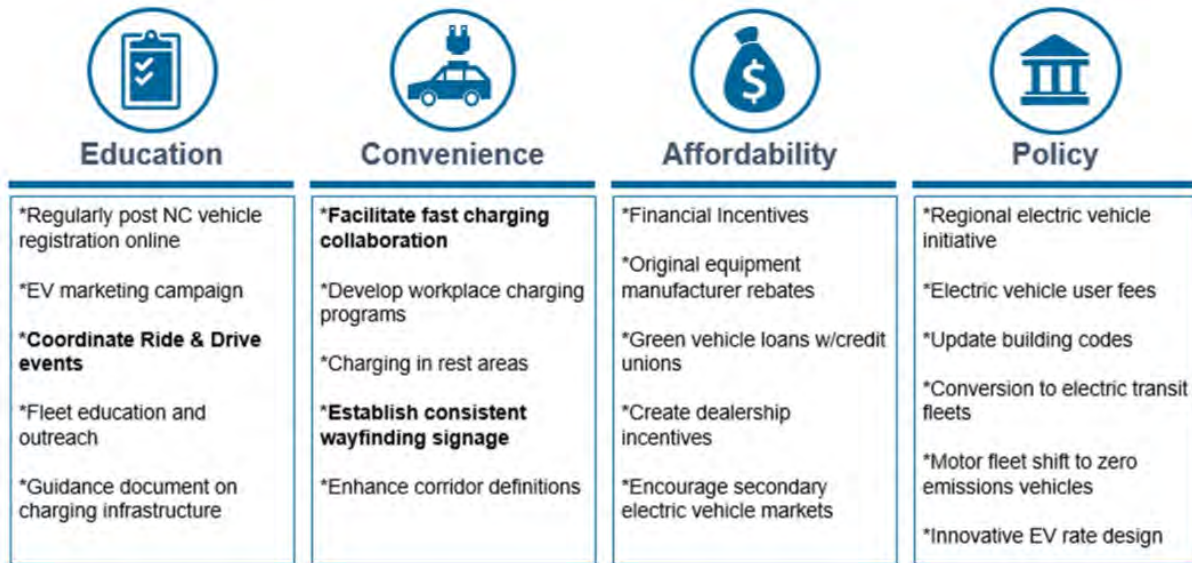


**Figure 1: 2005 – 2018 NC Greenhouse Gas (GHG) Inventory Quick Facts**

More information on NC DEQ's Greenhouse Gas Inventory can be found here - <https://www.deq.nc.gov/energy-climate/climate-change/greenhouse-gas-inventory>.

## ZERO EMISSION VEHICLE PLAN

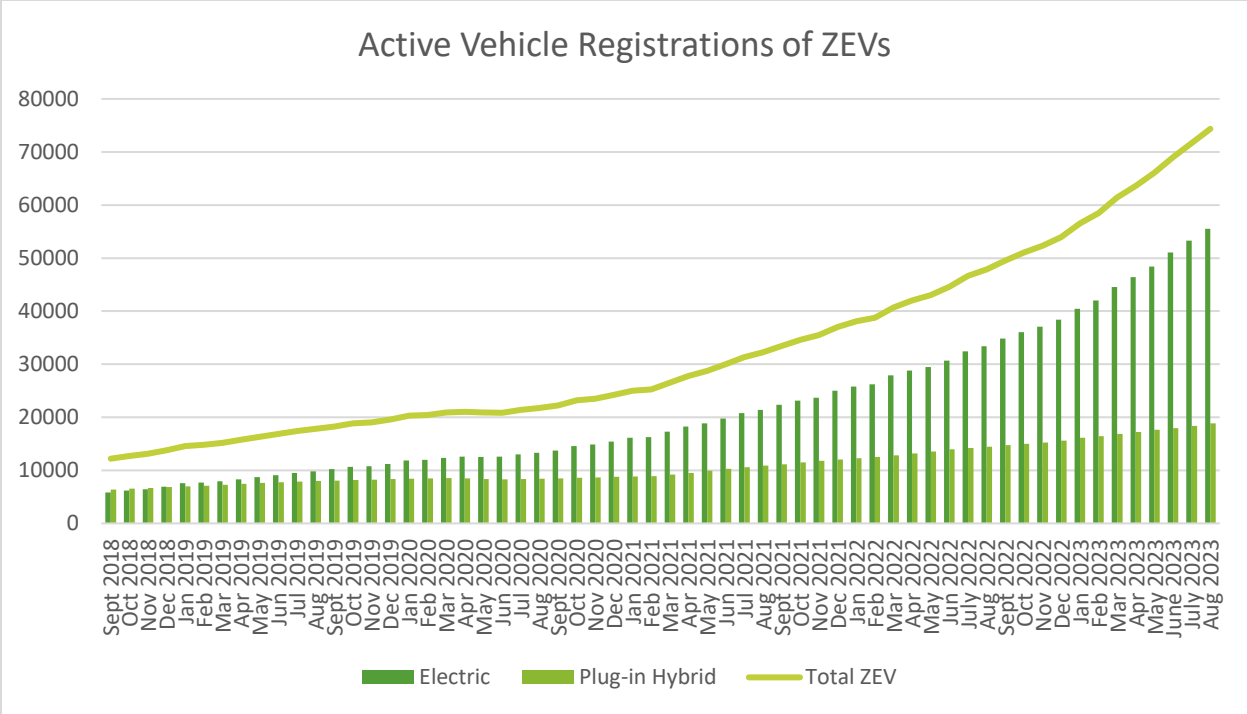
As a part of EO 80 in 2018, NCDOT developed the NC Zero Emission Vehicles Plan. This plan was completed in 2019 and updated in 2022. The plan identified four key strategies that could impact the registration of more ZEVs. This is shown below in Figure 2



**Bold Text** indicates work already started

**Figure 2: 2018 NC ZEV Plan Strategies**

Since this plan has been developed and work on strategies identified in the plan have progressed, ZEV registration data has increased statewide and is on target to meet EO 80's target of 80,000 vehicles by 2025. Registration data from September 2018 to May 2023 is shown in Figure 3.



**Figure 3: N.C. Active Vehicle Registration of ZEVs (September 2018 – August 2023)**

More information on the ZEV plan can be found at <https://www.ncdot.gov/initiatives-policies/environmental/climate-change/Pages/plan.aspx>.

**MEDIUM AND HEAVY-DUTY NEEDS ASSESSMENT**

Executive Order 271 directed NCDOT to develop a medium and heavy-duty needs assessment to determine the number and types of chargers needed to support the electrification of this sector. This plan was delivered to the governor’s office in October 2023. Relevant aspects of this needs assessment will be included into NC’s future CRS.

**NORTH CAROLINA DEEP DECARBONIZATION PATHWAYS ANALYSIS**

The North Carolina Deep Decarbonization Pathways Analysis (Pathways Report) was a directive from EO 245 aimed at identifying technologically feasible GHG reductions consistent with the state’s climate goals while identifying policies and plans needed to inform near-, mid-, and long-term decarbonization efforts. This was done with a lens of providing understanding of economy wide decarbonization goals as well as within specific sectors.

Figure 4 below outlines the priority actions identified in each sector. For transportation, the focus was on reducing emissions from vehicles by improving fuel economy, reducing vehicle miles traveled, and moving to lower carbon fuels such as biofuels and hydrogen.

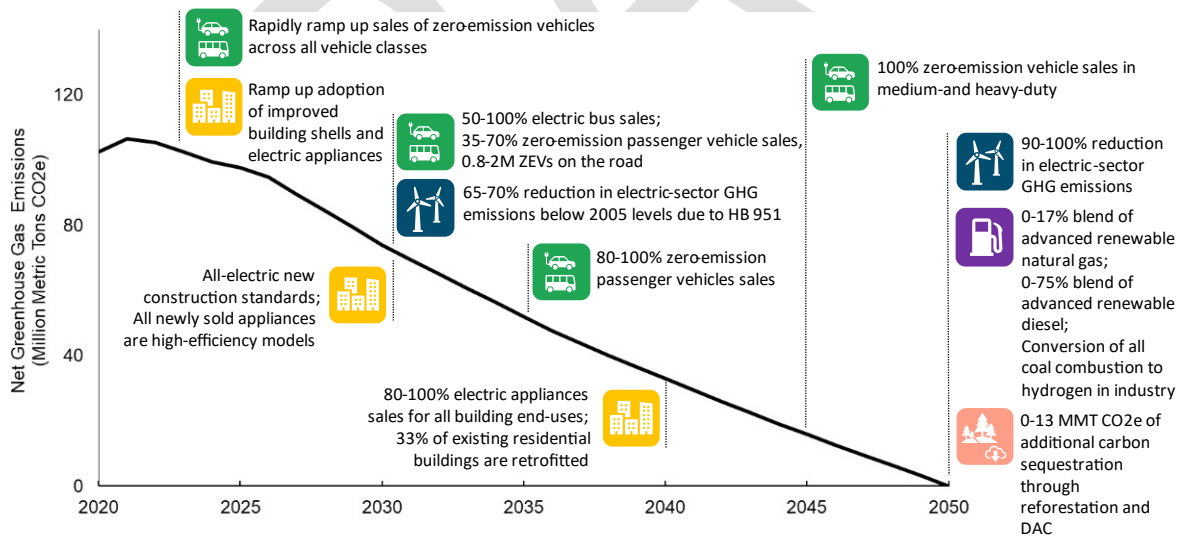
*Priority Actions that Impact Emissions*



 <b>Buildings</b>	<ul style="list-style-type: none"> <li>Increased sales of high efficiency appliances</li> <li>Improved building shells in new and retrofit buildings</li> <li>All-electric, new construction standards</li> <li>Increased sales of electrified devices for all end uses (space and water heating, drying, cooking)</li> </ul>
 <b>Transportation</b>	<ul style="list-style-type: none"> <li>Improved fuel economy for new vehicles sold</li> <li>Reductions in vehicle-miles traveled through transit and smart growth</li> <li>Increased sales of ZEVs, including battery-electric and hydrogen fuel cell vehicles</li> </ul>
 <b>Clean Electricity</b>	<ul style="list-style-type: none"> <li>Scale up of renewable electricity sources (wind and solar) and battery storage</li> <li>Targeted role for zero-carbon firm generation that can provide electricity at any time (e.g., hydrogen combustion, advanced nuclear technologies)</li> </ul>
 <b>Decarbonized Fuels</b>	<ul style="list-style-type: none"> <li>Production of advanced biofuels with sustainable biomass feedstocks</li> <li>Production of green hydrogen through electrolysis using renewable electricity</li> </ul>
 <b>Carbon Sequestration</b>	<ul style="list-style-type: none"> <li>Reforestation and restoration to enhance carbon sinks from natural and working lands</li> <li>Application of negative emissions technologies such as direct air capture of CO2</li> </ul>

**Figure 4: N.C. Active Vehicle Registration of ZEVs (Sept 2018 – May 2023)**

To meet the net zero target of 2050 outlined in EO 246, the transportation sector must quickly ramp up sales of ZEVs with 100% of sales of light duty passenger vehicles being zero emission by 2035. Due to fleet turnover taking several years, this will also require the transition of the medium- and heavy-duty sectors to occur by 2045 as shown in Figure 5 below.



Note: MMT CO2e is defined as million metric tons of carbon dioxide equivalent

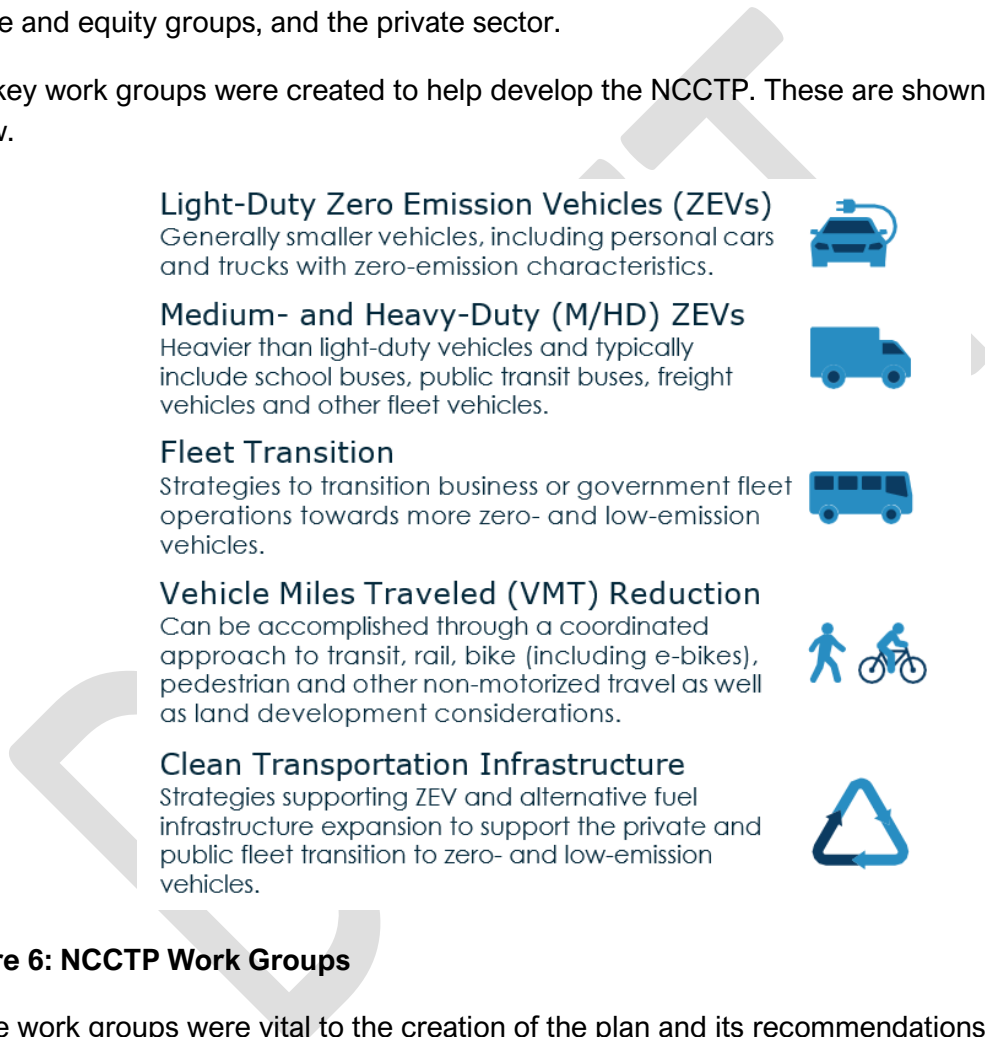
**Figure 5: North Carolina GHG Emissions Reduction Measures: Net Zero Scenario Ranges**

## NORTH CAROLINA CLEAN TRANSPORTATION PLAN

The N.C. Clean Transportation Plan (NCCTP) was a document, adopted in 2023, that provides a coordinated strategy for hastening the decarbonization throughout the transportation sector. It balanced both equity and the development of realistic strategies for reducing GHGs statewide from transportation.

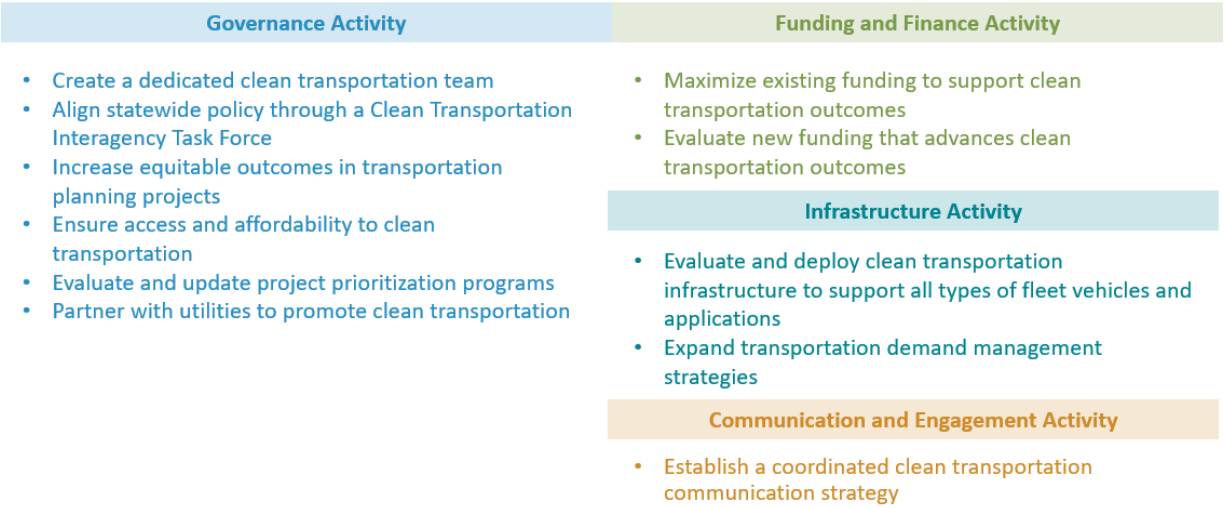
A variety of work groups and stakeholders were consulted throughout the development of this plan. These include local governments, regional associations, state agencies, nonprofits, social justice and equity groups, and the private sector.

Five key work groups were created to help develop the NCCTP. These are shown in Figure 6 below.



**Figure 6: NCCTP Work Groups**

These work groups were vital to the creation of the plan and its recommendations. The recommendations for the NCCTP are grouped into four categories – Infrastructure, Funding & Finance, Communications & Engagement, and Governance. The strategies and recommendations from these categories are shown in Figure 7.



**Figure 7: NCCTP Focus Areas and Recommendations**

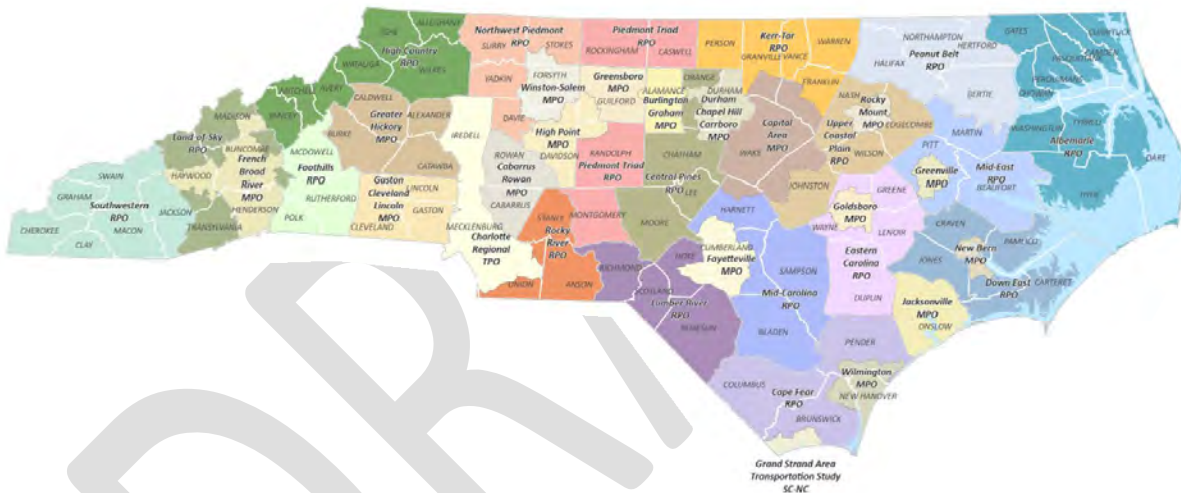
Throughout the development of the North Carolina Clean Transportation Plan, the public and a variety of stakeholders were engaged. This included 30 meetings of the work groups, advisory committee meetings, as well as public information sessions. Over 220 people were involved in the process and over 3,300 ideas and comments were synthesized to develop the plan.

These stakeholders included representatives from the Metropolitan and Rural Planning Organizations (MPOs/RPOs), equity and environmental justice groups, state agencies, electric utilities and advocacy groups. This extensive engagement over 18 months forms the basis of North Carolina’s strategy to reduce carbon emissions from the transportation sector and informs decision-making on how the state will invest its CRP funds.

## CARBON REDUCTION PROGRAM STRATEGY

North Carolina's CRS aligns with existing and future transportation planning initiatives. It bolsters project implementation for projects that are part of locally adopted plans such as Comprehensive Transportation Plans and Metropolitan Transportation Plans. It also identifies new projects based on recently identified transportation needs and community feedback. The strategy can integrate new projects into future transportation plans and amendments. Additionally, the NCDOT CRS works in concert with the existing statewide GHG reduction efforts identified in the previous section.

For the first two years of the Carbon Reduction Program, once carbon reduction eligibility was verified, the main goal was to provide geographic equity in funding CRP projects across North Carolina. This was done by working with Metropolitan Planning Organizations (MPOs) and Rural Planning Organizations (RPOs) to ensure that each jurisdiction had at least one project selected for funding. A map of North Carolina's planning organizations is shown below in Figure 8.



**Figure 8: NC MPO and RPO Map**

Additionally, statewide projects were considered from other NCDOT internal business units such as the Integrated Mobility Division, which oversees transit programs and bicycle and pedestrian planning for the department. A modal breakdown of projects funded/anticipated to be funded is shown below in Table 2.

Table 2: Modal Summary of All CRP Projects

Mode	CRP Only Funds	Percentage of CRP Funds
Pedestrian	\$5,082,458	9.7%
Highway	\$19,130,928	36.6%
Transit	\$12,666,708	24.2%
Bicycle/ Pedestrian	\$15,267,734	29.2%
EV Infrastructure	\$132,000	0.3%
<b>Total</b>	<b>\$52,279,828</b>	<b>100%</b>

## MPO

Urban areas in North Carolina with populations greater than 50,000 were given a direct allocation of CRP funding. NCDOT contacted each MPO to confirm the allocation amount for the fiscal year and outline the process for identifying and including projects in the State Transportation Improvement Program (STIP):

1. MPOs will develop a process for selecting projects to receive CRP funding or may utilize existing processes in place to select other locally administered projects. This will allow MPOs to select carbon reducing transportation projects that meet the priorities of the area.
2. Once projects are selected by the MPO, NCDOT will verify eligibility and program projects in the STIP. For transit related projects, NCDOT will work to flex the funds to FTA.
3. A notification letter outlining the scope with the STIP identifier, will facilitate the required amendment to the Metropolitan Transportation Improvement Program (MTIP).

Coordination with the MPOs was facilitated using two processes. The first included funding letters sent to each MPO outlining the Carbon Reduction Program and including information about the eligible project types and funding amounts. These letters will be sent at the beginning of each federal fiscal year, once CRP funding is allocated to the state. The second coordination effort involved a June 15, 2023 virtual meeting with all MPOs to discuss the program and answer questions.

The virtual meeting also facilitated discussion between MPOs on how projects were selected and equity was considered. Informally, NCDOT was available by request to discuss possible projects and help facilitate the calculation of emission benefits. Also, the MPOs were engaged on the NCCTP through the plan's development and presentations the MPOs provided to their

Transportation Advisory and Technical Coordinating Committees and at their annual MPO conferences.

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## TYPES OF PROJECTS

Below, Table 3 provides a modal breakdown of MPO CRP funded projects. Most CRP funds were used for pedestrian and pedestrian/bicycle projects. Transit made up the next greatest share of projects, followed by the highway mode. A final project list is included in Appendix A.

*Table 3: Modal Summary of MPO CRP Projects*

Mode	CRP Only Funds	Percentage of CRP Funds
Pedestrian	\$486,806	0.9%
Highway	\$4,219,739	8.1%
Transit	\$8,746,708	16.7%
Bicycle/ Pedestrian	\$8,853,000	16.9%
EV Infrastructure	\$132,000	0.3%
<b>Total</b>	<b>\$22,438,253</b>	<b>100%</b>

## RURAL/STATEWIDE

Projects outside of MPOs, including areas covered by Rural Planning Organizations and other statewide projects, made use of the following CRP funding categories:

- Populations less than 5,000 people
- Populations between 5,001 and 50,000 people
- Anywhere/Statewide

Some of the Anywhere/Statewide funds have been used or will likely be used to supplement RPO projects and other projects from other NCDOT business units, groups and jurisdictions. For example, Anywhere/Statewide funds are anticipated to support efforts led by NCDOT's Integrated Mobility Division and NCDOT division projects.

For the first two years of CRP funding, the goal was to focus on identifying and funding at least one eligible project in each of North Carolina’s RPOs. NCDOT asked each RPO to provide projects for consideration in each of the population-based categories: up to 12 projects in areas with less than 5,000 residents and six projects in areas with more than 5,000 people but fewer than 50,000 people. If multiple projects were submitted, NCDOT asked the RPOs to rank their projects based on local priorities. NCDOT committed to funding each RPO’s top priority. Three RPOs did not have projects to submit, and NCDOT is working with the regional division offices to identify projects that would use CRP funding to reduce congestion or improve intersections.

## TYPES OF PROJECTS

Below, Table 4 demonstrates the breakdown of RPO CRP funded projects by different modes of transportation. Most projects funded with CRP funds in RPOs were in the highway category. Most of these highway projects were roundabout projects. Additionally, there is a good mix of bicycle/pedestrian and transit projects in rural areas. A final project list is included in Appendix A.

*Table 4: Modal Summary of RPO CRP Projects*

Mode	CRP Only Funds	Percentage of CRP Funds
Pedestrian	\$4,595,652	8.8%
Highway	\$14,911,189	28.5%
Transit	\$3,920,000	7.5%
Bicycle/ Pedestrian	\$6,414,734	12.3%
EV Infrastructure	\$-	0.0%
<b>Total</b>	<b>\$29,841,575</b>	<b>100%</b>

## EXISTING AND FUTURE STRATEGIES

NCDOT has implemented several strategies and plans to incorporate other strategies in the future. Existing strategies include:

1. Soliciting projects continuously – NCDOT accepts CRP applications on a continuous basis, meaning prospective applicants can submit a completed application to NCDOT at any time. NCDOT groups these applications in quarterly batches. At the end of each



quarter, NCDOT reviews and awards new projects if they are approved in the following quarter. The end dates of each quarter are:

- Quarter 1 – January 1 to March 31
  - Quarter 2 – April 1 to June 30
  - Quarter 3 – July 1 to September 30
  - Quarter 4 – October 1 to December 31
2. Modal split – NCDOT is working with the Governor’s Office to establish modal splits targets for CRP awards. A draft set of modal targets has been developed and NCDOT will strive to meet those targets through 2026.
  3. Diversity, Equity and Inclusion (DEI) - NCDOT ensures DEI principles through existing strategies and policies. Additionally, NCDOT seeks to improve its DEI policy with CRP fund utilization. This is discussed in the section below.
    - a. MPOs – Project selection must follow the MPO’s Public Involvement Process (PIP) and the MPO’s locally administered projects program (LAPP), if a LAPP exists. This helps ensure that project selection complies with federal requirements.
    - b. RPOs – The majority of projects selected in rural areas were in areas with a medium-to-high transportation disadvantage index (TDI) score and environmental justice (EJ) index scores, compared to the state’s average for these indices. More work needs to be done to incorporate TDI and EJ index scores into future project selection. However, the partnership between RPOs and local NCDOT division offices enabled officials to apply CRP funds to numerous projects in rural areas that serve disadvantaged groups. More information on the EJ and TDI Index Tools can be found at - <https://connect.ncdot.gov/projects/planning/Pages/EJ-TDI-maps.aspx>

Future carbon reduction strategies include:

1. Establishing a CRP working group that works with MPO, RPO, and other CRP eligible partners. This working group will help identify areas of improvement and modify the future CRP strategy. One key area that needs work is developing a prioritization system for statewide and rural projects.
2. Identifying existing CO<sub>2</sub> reductions across all CRP projects funded in the STIP and establishing performance targets. These performance targets will be focused on modal split, equity (TDI and EJ indices), and overall GHG reduction. Performance targets will be set in coordination with the CRP working group and NCDOT staff.
3. Improving CRP application management, data management, and performance tracking of CRP project by working with information technology partners. This will include the development of an online application process and metrics dashboard. The dashboard will demonstrate both GHG performance and fiscal performance across the program.

## CONCLUSION

This CRS was developed to demonstrate North Carolina's existing and planned strategies for reducing GHG emissions in the transportation sector. NCDOT is dedicated to improving its environmental impact by funding projects and promoting policies that reduce carbon and other harmful pollutants. Further work is needed and NCDOT will continue to work with local, state, federal and other partners to help reduce GHGs through implementation of the Carbon Reduction Program. Future modifications to NCDOT's Carbon Reduction Strategy and Program will be updated as policy changes occur.

DRAFT

**From:** [Bob Bushey](#)  
**To:** [Lawrence J. Weslowski \(weslowlj@concordnc.gov\)](#); [Franklin Gover](#); [Phil Conrad](#); [Anthony L. Hodges](#); [Charles Ratliff](#); [Jamie Smith](#); [Tisha Christy](#)  
**Subject:** Micro-transit feasibility study  
**Date:** Wednesday, October 4, 2023 8:41:50 AM

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Good Morning,

This isn't much of an update but I did receive an email on 9/27/2023 from Bryan Lopez with NCDOT. He only said that things would kick off soon. I will keep everyone in the loop as I hear more.

Bob Bushey  
Transportation Manager  
Cabarrus County  
O: 704-920-2932  
C: 980-521-4846



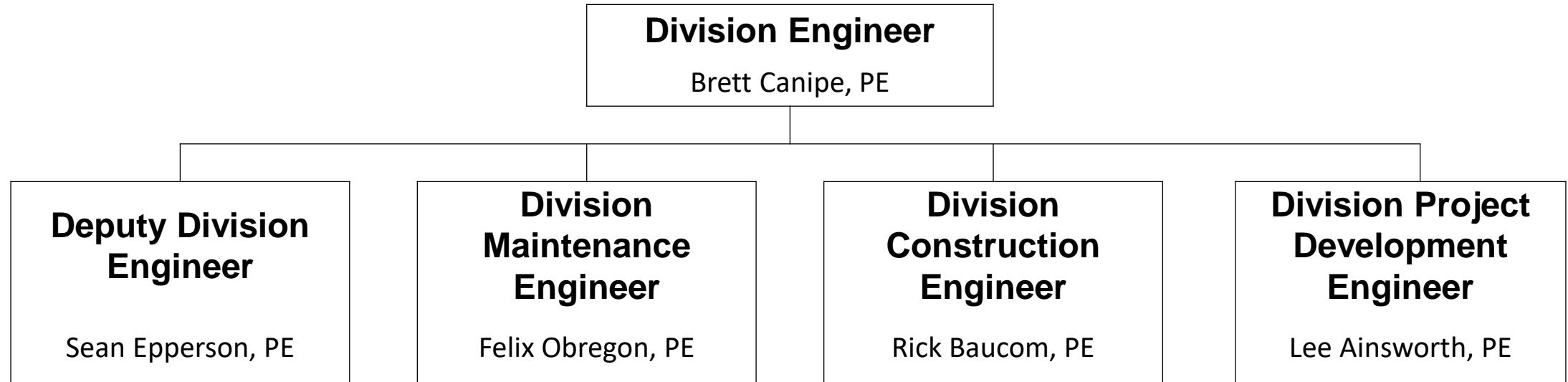
E-mail correspondence to and from this address may be subject to the North Carolina Public Records Law and may be disclosed to third parties.

	RIDER TRANSIT						RIDER ADA PARATRANSIT					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	28618	35154	32795	19946	13670	26317	786	1014	1233	1064	1291	1877
February	30231	32851	31073	23498	20251	25535	887	1001	1238	1065	1358	1459
March	32443	35038	25626	36652	23914	28482	972	1066	887	1558	1626	1781
April	33153	33822	15732	36209	24336	26145	903	1117	550	1555	1474	1565
May	35578	36735	18489	36769	24130	28,564	1005	1015	687	1464	1542	1609
June	38320	36931	22239	35573	26036	27521	893	918	997	1370	1638	1629
July	36564	37265	22975	27155	24640	27290	840	956	1065	1305	1476	1536
August	42211	38455	22020	27824	26857	31323	995	1041	1191	1233	1740	1978
September	35060	35590	21712	27014	27278	27870	895	1076	1231	1286	1553	1511
October	39504	37727	24501	28779	27419		1147	1175	1024	1304	1550	
November	33695	32930	22073	25692	25003		972	1132	959	1424	1731	
December	30639	32848	19994	24882	24418		781	1049	1044	1463	1651	
<b>Totals</b>	<b>416016</b>	<b>425346</b>	<b>279229</b>	<b>349,993</b>	<b>287,952</b>	<b>249,047</b>	<b>11076</b>	<b>12560</b>	<b>12106</b>	<b>16091</b>	<b>18630</b>	<b>14945</b>

	SALISBURY TRANSIT SYSTEM						SALISBURY ADA PARATRANSIT					
	2018	2019	2020	2021	2022	2023	2018	2019	2020	2021	2022	2023
January	10192	11588	10836	4631				669	662	605		
February	11786	10819	10426	4495				664	587	553		
March	11945	10813	8444	5069				621	641	711		
April	12075	11383	4344	5058				629	442	737		
May	12139	15528	4230	4698				754	505	673		
June	11581	10983	5406	5225				698	618	762		
July	11581	12228	5987	6240			706	855	605	680		
August	13855	13186	5505	6527			739	854	495	682		
September	11689	11472	5350	6081			532	827	529	659		
October	13304	12645	5758	6087			695	801	590	639		
November	10889	12742	4384	5667			582	644	545	613		
December	9170		5416	7190			492		718	703		
<b>Totals</b>	<b>140206</b>	<b>133387</b>	<b>76086</b>	<b>66968</b>			<b>3746</b>	<b>8016</b>	<b>6937</b>	<b>8017</b>		

Data Provided by Transit Systems is Current as of  
10/16//2023  
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## Division 10 Org Chart – Division Engineer



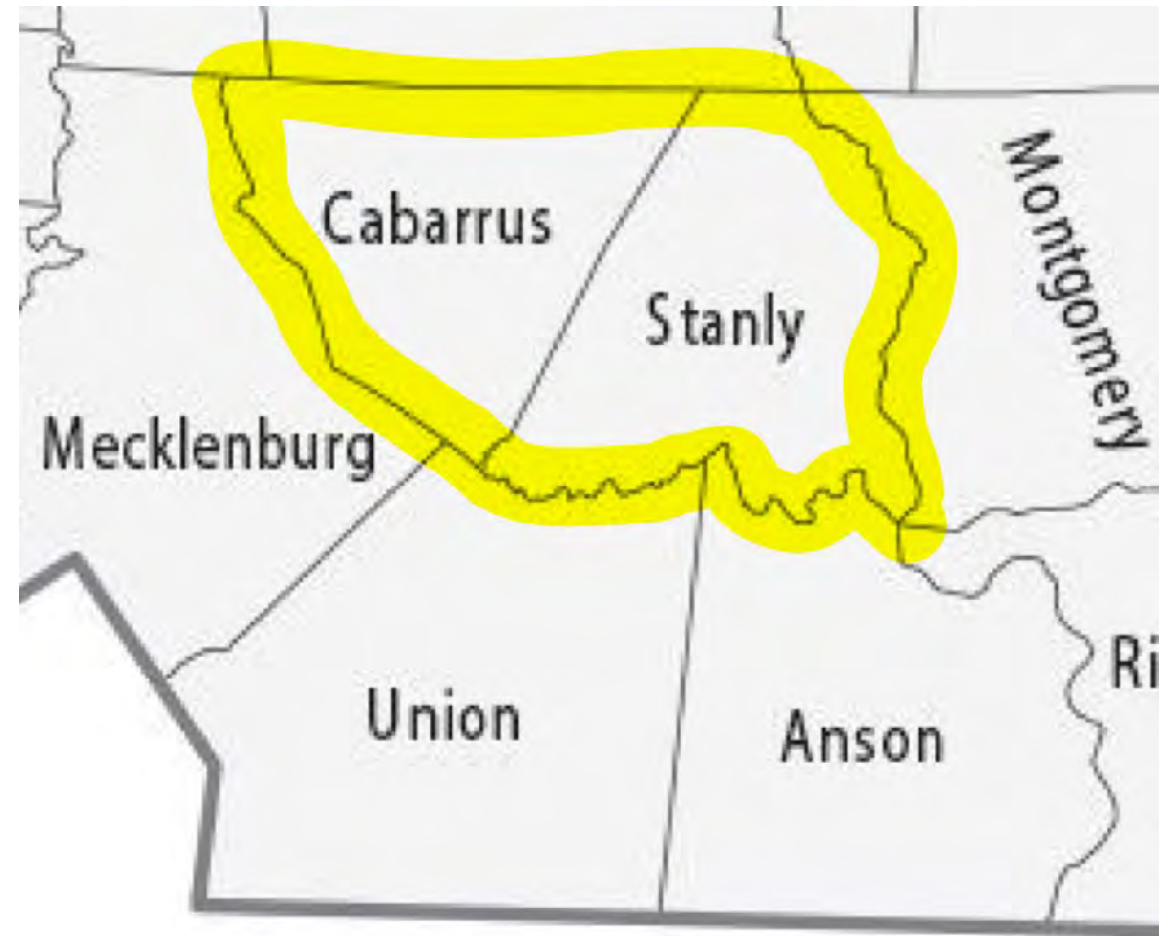
## Division 10 Primary Points of Contact

District 1 Engineer – Marc Morgan, PE

- Covers Cabarrus and Stanly Counties
- Office Number – 704 -983-4360
- Email – [mmorgan@ncdot.gov](mailto:mmorgan@ncdot.gov)

### Typical Staff Inquiries

- Driveway permits and encroachments
- Development review
- Coordination on capital projects
- Coordination on municipal projects
- Resurfacing maps/updates



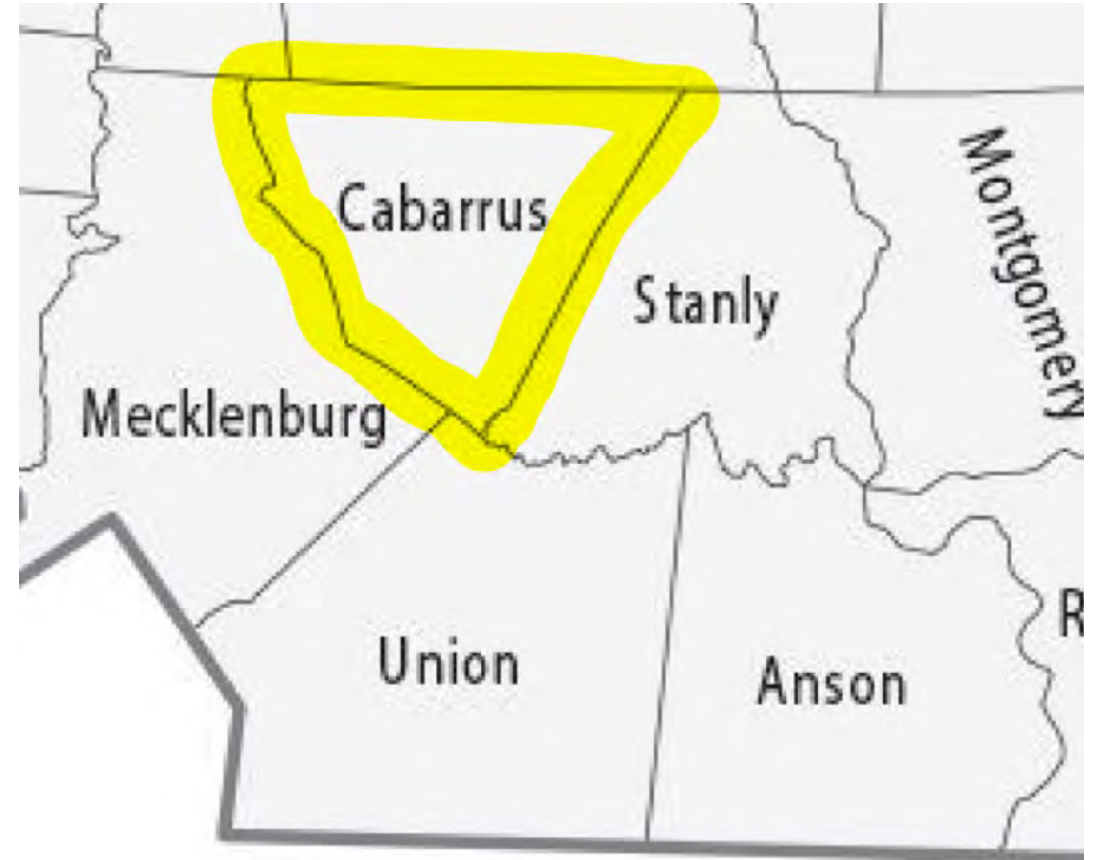
## Division 10 Primary Points of Contact

Cabarrus Co. Maintenance Engineer – Janice Hampton

- Covers Cabarrus County
- Office Number – 980 -287 -0040
- Email – [jhampton@ncdot.gov](mailto:jhampton@ncdot.gov)

### Typical Staff Inquiries

- Potholes and other roadway concerns
- Shoulder concerns
- Drainage concerns
- Mowing/grass concerns





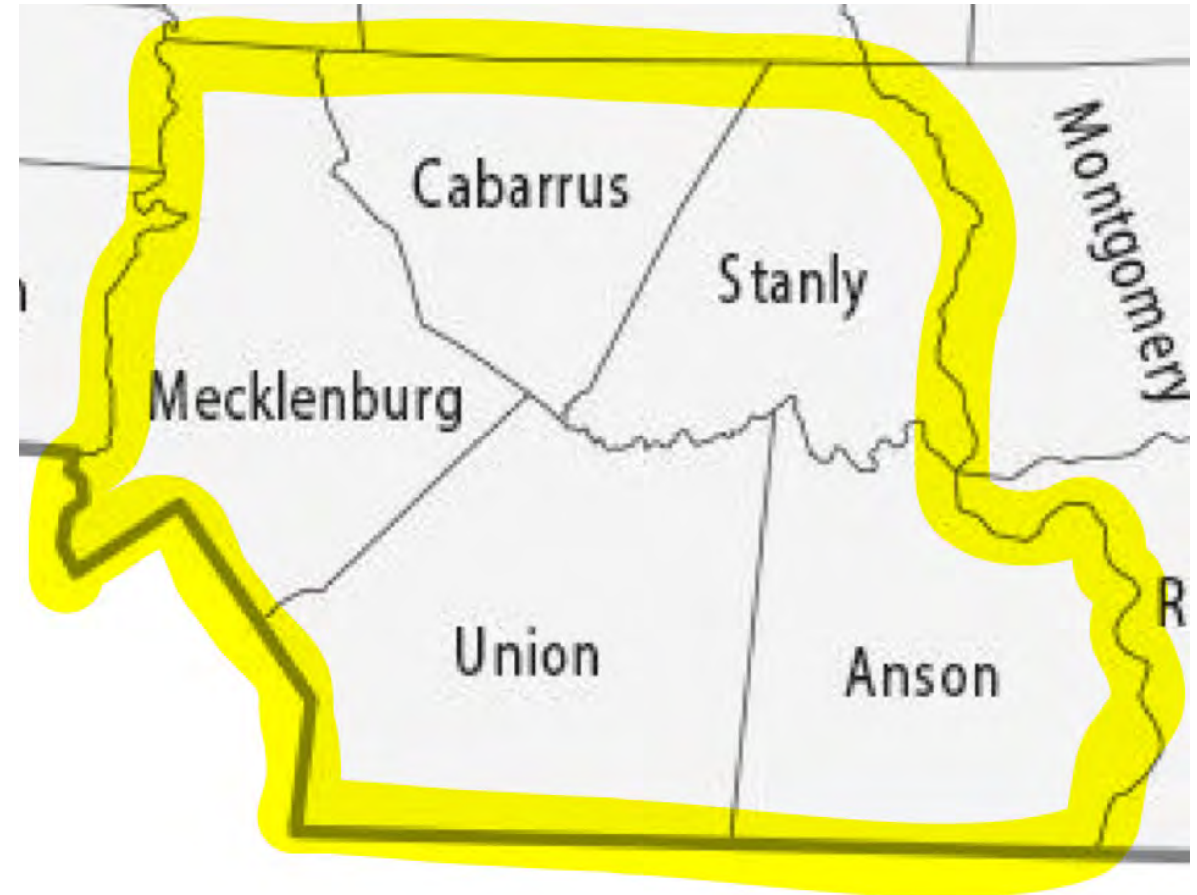
## Division 10 Primary Points of Contact

Division 10 Traffic Engineer – Zachary Gardner, PE

- Covers all of Division 10
- Office Number – 704 -983-4400
- Email – [zlgardner@ncdot.gov](mailto:zlgardner@ncdot.gov)

### Typical Staff Inquiries

- Maintenance of traffic signals, signs and markings
- Traffic signal timing/operation adjustments
- Intersection and curve safety/operation studies
- Speed limit studies
- Traffic Impact Analysis review



## Division 10 Primary Points of Contact

Division Planning Engineer – Theo Ghitea , PE

- Covers all of Division 10
- Office Number – 980 -262-6292
- Email – tghitea@ncdot.gov

### Typical Staff Inquiries

- Coordination with the MPO's and RPO
- Help determine potential funding options for future projects and track status of future projects
- Involvement in pedestrian -bike studies and to serve on steering committee
- Updates on the STI process and project submittals

