



## **DCHC MPO Board Meeting Agenda**

Wednesday, November 9, 2022

9:00 AM

Committee Room 2nd Floor Durham City Hall

101 City Hall Plaza  
Durham, NC 27701

Watch this meeting live on YouTube at  
<https://www.youtube.com/channel/UC3YJLWzBbNVkOqJtGbp3tug>

**1. Roll Call****2. Ethics Reminder**

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.

**3. Adjustments to the Agenda****4. Public Comments****CONSENT AGENDA:****5. Approval of the October 12, 2022 Board Meeting Minutes** [22-188](#)

**David Miller, LPA Staff**

A copy of the October 12, 2022 Board Meeting Minutes is attached.

**Board Action:** Approve the October 12, 2022 Board Meeting Minutes.

**Attachments:** [2022-11-09 \(22-188\) 10.12.22 MPO Board Meeting Minutes](#)

**6. Amendment #13 to the FY2020-2029 Transportation Improvement** [22-189](#)

**Program (TIP)**

**Aaron Cain, LPA Staff**

Amendment #13 to the FY2020-29 TIP adds two new bus purchase projects to the TIP that were funded through the North Carolina Volkswagen Settlement Phase 1 Transit and Shuttle Bus Program using Congestion Management Air Quality (CMAQ) funds provided through NCDOT and VW settlement funds for the local match. TIP Amendment #13 also adds funding from Chatham County's STBG-COVID allotment to BL-0070, Chatham County Pedestrian Safety Projects, for the engineering phase. Timing adjustments for several locally administered bike/ped projects, as well as additional routine changes from NCDOT, are also included. Because the bus purchases are in excess of \$1 million each, per the MPO's Public Involvement Plan, this amendment must be released for a 21-day public comment period.

**TC Action:** Recommended that the Board release TIP Amendment #13 for a 21-day public comment period.

**Board Action:** Release TIP Amendment #13 for a 21-day public comment period.

**Attachments:** [2022-11-09 \(22-189\) TIP Amendment #13 Summary Sheet](#)  
[2022-11-09 \(22-189\) TIP Amendment #13 Full Report](#)

**ACTION ITEMS:****7. Durham County Transit Plan Recommended Scenario and Release for Public Comment (30 minutes)** [22-130](#)**Ellen Beckmann, Durham County Transportation Manager****Aaron Cain, LPA Staff**

Ellen Beckmann, the Durham County Transportation Manager, and Aaron Cain, Planning Manager for DCHC MPO, will present the recommended scenario for the Durham County Transit Plan. The final document for the Durham County Transit Plan is being reviewed and edited, and will be available for release for public comment by the end of November. Staff requests that the Board authorize release the draft Durham County Transit Plan for a 21-day public comment period once it is completed.

**TC Action:** Recommended that the Board release the draft Durham County Transit Plan for a 21-day public comment period.

**Board Action:** Release the draft Durham County Transit Plan for a 21-day public comment period.

**Attachments:**      [2022-11-09 \(22-130\) Durham County Transit Plan Preferred Scenario Memo](#)  
[2022-11-09 \(22-130\) Draft Durham County Transit Plan Executive Summary](#)  
[2022-11-09 \(22-130\) Durham County Transit Plan Preferred Scenario Presenta](#)

**8. MPO Board Officer Nominations for 2023 (5 minutes)** [22-192](#)**Doug Plachcinski, AICP, CFM, DCHCMPO Executive Director**

Per the MPO Board bylaws, officer elections are to be held at the last regularly scheduled meeting of the calendar year. The bylaws allow for a Chair or Vice Chair to serve two consecutive terms. Since Mayor Weaver is at the end of her first term as Chair, she is eligible to be elected to a second term. The same is true for Vice Chair Howard. The bylaws further state that the Chair and Vice Chair may not come from the same county.

Past MPO Board practice has been to set up a nominating committee that will report its recommendation to the Board at the December meeting, at which time a vote will be taken for the officers for the MPO Board for 2023.

**Board Action:** Appoint a nominating committee to report its findings to the Board at the December 2022 meeting.

**REPORTS:****9. Report from the Board Chair** [22-101](#)  
**Jenn Weaver, Board Chair**

**Board Action:** Receive the report from the Board Chair.

10. **Report from the Technical Committee Chair** [22-102](#)  
Ellen Beckmann, TC Chair

**Board Action:** Receive the report from the TC Chair.

11. **Report from LPA Staff** [22-103](#)  
Doug Plachcinski, AICP, CFM, DCHCMPO Executive Director

**Board Action:** Receive the report from LPA staff.

**Attachments:** [2022-11-09 \(22-103\) MPO Staff Report](#)

12. **NCDOT Reports** [22-104](#)  
Lisa Mathis, NC Board of Transportation  
Brandon Jones (David Keilson), Division 5 - NCDOT  
Wright Archer (Pat Wilson, Stephen Robinson), Division 7 - NCDOT  
Patrick Norman (Bryan Kluchar), Division 8 - NCDOT  
Julie Bogle, Transportation Planning Division - NCDOT  
John Grant, Traffic Operations - NCDOT  
Nick Morrison - NCDOT IMD

**Board Action:** Receive the reports from NCDOT.

**Attachments:** [2022-11-09 \(22-104\) NCDOT Reports](#)

### **ADDITIONAL ITEMS OF INTEREST:**

13. **Recent News Articles and Updates** [22-105](#)  
**Attachments:** [2022-11-09 \(22-105\) Recent News Articles](#)

### **Adjourn**

**Next meeting: December 14, 2022, 9 a.m., Committee Room**

### **Dates of Upcoming Transportation-Related Meetings:**

**N.C. Transportation Summit**, January 18-19, 2023, at the Raleigh Convention Center  
(500 S Salisbury St, Raleigh)



**DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION BOARD**

**October 12, 2022**

**MINUTES OF MEETING**

The Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Board met on October 12, 2022, at 9:00 a.m. in the second floor Committee Room at Durham City Hall, as well as through the Zoom teleconferencing platform. The following members were in attendance:

Jenn Weaver (Chair)	Town of Hillsborough
Jamezetta Bedford (Member)	Orange County
Michael Parker (Member)	GoTriangle
Leonardo Williams (Member)	City of Durham
Damon Seils (Member)	Town of Carrboro
Pam Hemminger (Member)	Town of Chapel Hill
Wendy Jacobs (Member)	Durham County
Mark Bell (Alternate)	Town of Hillsborough
Dr. Monique Holsey-Hyman (Alternate)	City of Durham
Brenda Howerton (Alternate)*	Durham County
Lisa Mathis (Alternate)*	NC Board of Transportation
Ellen Beckmann	Durham County
Tom Altieri*	Orange County
Benjamin Clark*	Orange County
Josh Mayo*	Town of Chapel Hill
Bergen Watterson*	Town of Chapel Hill
Kevin Robinson*	Town of Chapel Hill
Matt Cecil*	Chapel Hill Transit
Tina Moon*	Town of Carrboro
Kent Johnson*	Town of Carrboro
Sean Egan*	City of Durham
Evian Patterson*	City of Durham
Bill Judge*	City of Durham
Brian Taylor*	City of Durham
Eric Vitale	City of Durham
Erin Convery	City of Durham
Matt Day*	Triangle J Council of Governments
Jay Heikes*	GoTriangle
Kurt Stolka*	The University of North Carolina
David Keilson*	NCDOT Division 5
Brandon Jones	NCDOT Division 5
Tracy Parrott*	NCDOT Division 5
Pat Wilson*	NCDOT Division 7
Bryan Kluchar*	NCDOT Division 8
Jeron Monroe*	NCDOT Division 8
Julie Bogle*	NCDOT Planning Division

43	John Grant*	NCDOT Traffic Operations
44	Nick Morrison*	NCDOT IMD
45	Jacob Rigg*	Regional Transportation Alliance
46	Travis Crayton*	Research Triangle Park
47	Frankie Tran*	Burlington-Graham MPO
48	Eric Patel	JDA
49	Heidi Perry*	BikeWalk NC
50	Michael Page*	North Carolina Central University
51	Brian Rhodes*	Resident
52	Adora Harris*	Resident
53	Quazi Minhaz Tabassum*	Resident
54	Hailey Neal*	Resident
55	Doug Plachcinski	DCHC MPO
56	Aaron Cain	DCHC MPO
57	Andy Henry	DCHC MPO
58	Yanping Zhang	DCHC MPO
59	Dale McKeel*	DCHC MPO
60	Dolly Hall-Quinlan*	DCHC MPO
61	Filmon Fishastion	DCHC MPO
62	David Miller	DCHC MPO

63 Quorum Count: 8 of 10 Voting Members

64 \*Attended remotely

## 65 **1. Roll Call**

66 Chair Jenn Weaver called the meeting to order at 9:00 a.m. The roll call was completed using a  
 67 sign-in sheet for in-person attendees, and the Zoom participant list for remote attendees. Chair Jenn  
 68 Weaver asked the Board to approve excused absences for Karen Howard and Javiera Caballero. Pam  
 69 Hemminger made a motion to approve the excused absences. Michael Parker seconded the motion. The  
 70 motion passed unanimously.

## 71 **PRELIMINARIES:**

## 72 **2. Ethics Reminder**

73 Chair Jenn Weaver referenced the Ethics Reminder included in the agenda packet.

## 74 **3. Adjustments to the Agenda**

75 There were no adjustments to the agenda.

**4. Public Comments**

Eric Patel shared information about the Department of Energy's Small Business Innovation Research (SBIR) funding program. Eric Patel stated that he and his colleagues at JDA in Durham will be applying to this program to develop a tool that could be used to inform communities and policy boards about their impact on climate and how it affects vulnerable groups. Eric Patel requested a letter of support from the MPO. Pam Hemminger made a motion to approve a letter of support. Damon Seils seconded the motion. The motion passed unanimously.

Heidi Perry stated that the mechanism for the public to provide feedback online for the Draft FY2024-2033 STIP could be reformatted and more descriptive in order to provide citizens more information about the projects being considered. Heidi Perry mentioned that the BikeWalk NC Transportation Summit will be held October 27-29, 2022 in Greenville.

**5. Directives to Staff**

Chair Jenn Weaver referenced the Directives to Staff included in the agenda packet.

**CONSENT AGENDA:**

**6. Approval of the September 14, 2022, Board Meeting Minutes**

David Miller, LPA Staff

**7. Enhanced Mobility of Seniors and Individuals with Disabilities (Section 5310) Grant – FFY22 Program of Projects**

Doug Plachcinski, AICP, CFM, DCHCMPO Executive Director

**8. FY24 UPWP Development Schedule**

Doug Plachcinski, AICP, CFM, DCHCMPO Executive Director

**9. IJIA Standing Update**

Doug Plachcinski, AICP, CFM, DCHCMPO Executive Director

Wendy Jacobs stated that Durham County submitted its Railroad Crossing Elimination Grant application. Ellen Beckmann shared that many letters of support were received to accompany the application, and project information has been posted to the Durham County website. Wendy Jacobs mentioned that an individual was fatally wounded recently when struck by a train, which reinforces the

importance of this grant project. Doug Plachcinski stated that the MPO's Safe Streets and Roads for All grant application recently submitted could help mitigate crashes along the Triangle's rail corridor. Doug Plachcinski mentioned that MPO staff are exploring the Thriving Communities program made available by the Department of Transportation and Housing and Urban Development for capacity building.

Pam Hemminger made a motion to approve the consent agenda. Michael Parker seconded the motion. The motion passed unanimously.

**ACTION ITEMS:**

**10. Orange County Transit Plan Update**  
**Tom Altieri, Orange County**

Tom Altieri provided a background of the current 2017 Orange County Transit Plan (OCTP), and an update on the Draft OCTP. Tom Altieri stated that the Draft OCTP is meant to build upon the 2017 OCTP, which includes both programmed projects and new projects. Tom Altieri provided a timeline and recap of public engagement activities, the project selection process, funding sources, transit equity efforts, and remaining schedule and adoption process.

Aaron Cain stated that the Draft OCTP requires a public hearing per the MPO's Public Involvement Plan, and asked the Board if the public hearing scheduled for November 1 at the Board of Orange County Commissioners (BOCC) meeting could serve as the sole public hearing in order to consolidate public engagement efforts. Aaron Cain mentioned that this consolidation process could also be done for the Durham County Transit Plan. Board members were supportive of this request.

Damon Seils asked how the upcoming policy steering committee meeting to discuss revenue projections and the North-South Bus Rapid Transit project will impact the Draft OCTP that will be presented to the public for comment. Tom Altieri replied that outcomes from the policy steering committee will be shared at the BOCC public hearing on November 1. Michael Parker asked if it is appropriate to release the Draft OCTP for public comment when it could ultimately have significant

revisions. Tom Altieri replied that there are no changes to the programmed projects in the Draft OCTP, and that the public comment period is focusing on finances and the language of the Plan.

Damon Seils made a motion to release the Draft OCTP for public comment. Michael Parker seconded the motion. The motion passed unanimously.

#### **INFORMATIONAL ITEMS:**

##### **11. Durham County Transit Plan Update**

**Ellen Beckmann, Durham County Transportation Manager**

**Aaron Cain, LPA Staff**

Ellen Beckmann shared an update about the recommended Durham County Transit Plan (DCTP) being developed, which included how the DCTP has been in development concurrently with other local transportation plans, potential funding sources, a breakdown of funding by project type, a financial breakdown of expected revenues, and four key themes presented in the recommended DCTP. Aaron Cain shared the public engagement activities; the results and key findings from public feedback efforts; the reported demographics of public feedback respondents through Phases I, II and III; and the next steps in the development and adoption process.

Damon Seils asked how the priorities identified from target populations during the public engagement activities translated into the recommended DCTP. Aaron Cain replied that improvements to the operations of existing services will encompass the first part of the plan before beginning capital projects, and that regional transit systems continue to be considered. Ellen Beckmann added that bus stop improvements have been prioritized. Michael Parker said that the transit plans should also serve as an advocacy document that describes projects that could be implemented if more funding was available, as well as advocating for funding from regional sources and the state of North Carolina.

#### **REPORTS:**

##### **12. Report from the MPO Board Chair**

**Jenn Weaver, Board Chair**

Chair Jenn Weaver mentioned that Town of Hillsborough staff developed a map to help guide and prioritize where electric vehicle charging stations should be considered for installation. Wendy Jacobs asked MPO staff to explore producing a similar map.

**13. Report from the Technical Committee Chair**  
**Ellen Beckmann, TC Chair**

Ellen Beckmann said that the governance study related to the transit plan process is nearing completion. Ellen Beckmann recognized Walk, Bike and Roll to School Day.

**14. Report from LPA Staff**  
**Doug Plachcinski, AICP, CFM, DCHCMPO Executive Director**

In addition to the written report, Doug Plachcinski shared that the Governance Subcommittee met the previous week, and that the agenda materials for the upcoming Membership Subcommittee will be distributed soon.

**15. NCDOT Reports**  
**Lisa Mathis, NC Board of Transportation**

Lisa Mathis shared NCDOT's efforts during Tropical Storm Ian, that Disadvantaged Business Enterprise (DBE) information sessions are forthcoming, a groundbreaking ceremony in Graham County for the Corridor K project, that a grant project will become available to improve broadband and electric vehicle infrastructure, and a recap of the 2022 Fall Litter Sweep.

**Brandon Jones (David Keilson), Division 5 - NCDOT**

Brandon Jones shared that the Division 5 Draft FY2024-2033 STIP Drop-In open house is scheduled for October 10-14, 2022.

**Wright Archer (Pat Wilson, Stephen Robinson), Division 7 - NCDOT**

Pat Wilson provided an update to the I-40 project.

**Patrick Norman (Bryan Kluchar), Division 8 - NCDOT**

There was no additional report.

**Julie Bogle, Transportation Planning Division - NCDOT**

There was no additional report.

**John Grant, Traffic Operations - NCDOT**

There was no additional report.

**Nick Morrison, Integrated Mobility Division – NCDOT**

Nick Morrison said that an IMD informational handout is being developed for inclusion in future MPO agenda packets. Nick Morrison stated that the Triangle Bicycle and Pedestrian Workshop will be held in Clayton on October 14, 2022.

**ADDITIONAL ITEMS OF INTEREST:**

**16. Recent News Articles and Updates**

Chair Jenn Weaver referenced the recent news articles and updates.

**17. Draft FY2024-2033 STIP Public Feedback Information Flyer**

Chair Jenn Weaver referenced the Draft FY2024-2033 STIP Public Feedback Information Flyer.

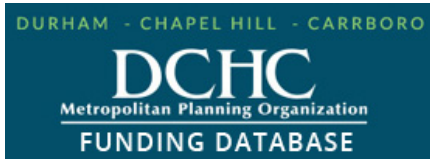
**ADJOURNMENT:**

There being no further business before the MPO Board, the meeting was adjourned at 10:45 a.m.

**Transportation Improvement Program Amendment #13**  
**Summary Sheet**  
**November 9, 2022**

- **BL-0070 Chatham County Pedestrian Safety Improvements:** Add STBG-COVID funds in FY23 for PE.
- **C-5183B Alston Avenue Sidewalks:** Delay CON to FY23.
- **EB-5703 LaSalle Street Sidewalks:** Delay CON to FY23.
- **EB-5704 Raynor Street Sidewalks:** Delay CON to FY23.
- **EB-5708 NC 54 Sidewalks:** Delay CON to FY23.
- **EB-5715 North Duke Street Sidewalks:** Delay CON to FY23.
- **EB-5720 Bryant Bridge Trail:** Delay ROW to FY23 and CON to FY25.
- **EB-5721 Orange County Bicycle Route 1 (Fordham Boulevard):** Delay CON to FY23.
- **EB-5837 Third Fork Creek Trail Extension:** Delay ROW to FY23 and CON to FY24.
- **HO-0010A Statewide Traffic Operations:** Add new project.
- **HO-0010B Statewide Traffic Operations:** Add new project.
- **HS-2005E Guardrail at US 15/501 and NC 751:** Delay CON to FY23.
- **HS-2005L Traffic Signal at Gregson and Knox Streets:** Add new project.
- **HS-2005M Pedestrian Infrastructure at NC 55 and Geer Street:** Add new project.
- **HS-2005N Turn Lanes at NC 98 and Lynn:** Add new project.
- **HV-0001 Electric Vehicle Supply Equipment:** Add new project.
- **M-0555DIV Various Utility Encroachment and Administration:** Add new project.
- **M-0555REG Various Utility Encroachment and Administration:** Add new project.
- **M-0555SW Various Utility Encroachment and Administration:** Add new project.
- **R-5785 ADA Upgrades in Division 5:** Add funding.
- **R-5787 ADA Upgrades in Division 7:** Add funding.
- **R-5878 ADA Upgrades in Division 8:** Add funding.
- **TM-0041 Electric Transit Buses - Chapel Hill:** Purchase five electric buses using CMAQ and VW Settlement funds.
- **TM-0043 Electric Transit Buses - Durham:** Purchase six electric buses using CMAQ and VW Settlement funds.
- **U-4724 Cornwallis Road Sidewalks:** Delay ROW to FY23.





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 101 City Hall Plaza  
 Durham, NC 27701  
 919.560.4366

## TIP Amendment Request - Electric Transit Buses - Chapel Hill

### Amendment Request Details

Type	New Project
Status	Initial Submission
Request Date	09/27/2022
Jurisdiction/Agency	Town of Chapel Hill
Requestor	David Miller
Requestor E-mail	<a href="mailto:david.miller@durhamnc.gov">david.miller@durhamnc.gov</a>
DCHC Approval Date	

Proposed STIP	TIP 2020 - 2029 (Current)
Proposed TIP #	TM-0041

### Project Information

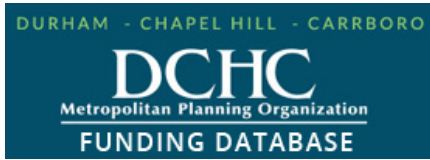
Project Name	Electric Transit Buses - Chapel Hill
Project Description	The Town of Chapel Hill will acquire five (5) electric transit buses.
Additional Details	

### Proposed Project Schedule

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2023	Other	CMAQ (S)	\$2,040,000	\$0	\$668,000	\$2,708,000
<b>Funding Totals:</b>			<b>\$2,040,000</b>	<b>\$0</b>	<b>\$668,000</b>	<b>\$2,708,000</b>

### Explanation for Request

To incorporate \$2,040,000 CMAQ funds and \$668,000 local funds (part of Volkswagen Settlement Funds) into project.



## TIP Amendment Request - Electric Transit Buses - City of Durham

### Amendment Request Details

Type	New Project
Status	Initial Submission
Request Date	09/27/2022
Jurisdiction/Agency	City of Durham
Requestor	David Miller
Requestor E-mail	<a href="mailto:david.miller@durhamnc.gov">david.miller@durhamnc.gov</a>
DCHC Approval Date	

Proposed STIP	TIP 2020 - 2029 (Current)
Proposed TIP #	TM-0043

### Project Information

Project Name	Electric Transit Buses - City of Durham
Project Description	The City of Durham will acquire six (6) electric transit buses.
Additional Details	

### Proposed Project Schedule

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2023	Other	CMAQ (S)	\$883,200	\$0	\$845,600	\$1,728,800
<b>Funding Totals:</b>			<b>\$883,200</b>	<b>\$0</b>	<b>\$845,600</b>	<b>\$1,728,800</b>

### Explanation for Request

To incorporate \$883,200 CMAQ funds and \$845,600 local funds (part of Volkswagen Settlement Funds) into project.



## TIP Amendment Request - R. Kelly Bryant Bridge Trail

### Amendment Request Details

Type	TIP Modification (funding change < \$1M)
Status	Initial Submission
Request Date	10/21/2022
Jurisdiction/Agency	City of Durham
Requestor	Tom Ten Eyck
Requestor E-mail	<a href="mailto:tom.teneyck@durhamnc.gov">tom.teneyck@durhamnc.gov</a>
DCHC Approval Date	

STIP	TIP 2020 - 2029 (Current)	Proposed STIP	TIP 2020 - 2029 (Current)
Amendment #	#3 1/13/2021 (Adopted)		
TIP #	<a href="#">EB-5720</a>	Proposed TIP #	

### Project Information

Project Name	R. Kelly Bryant Bridge Trail
Project Description	Construct a multi-use path from NC 55 to Drew-Granby Park, using the R. Kelly Bryant Bridge, in Durham. Planning, design, right of way, and construction managed by the City of Durham. Merged with EB-5833 through FY18-27 Amendment #2.
Additional Details	

### Existing Project Schedule

This is the existing schedule from TIP Project [EB-5720](#). Revisions should be made in the proposed schedule box below.

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
Prior Year	Planning	L	\$0	\$0	\$50,000	\$50,000
Prior Year	PE/Design	TAP	\$656,000	\$0	\$164,000	\$820,000
2021	Right of Way	TAP	\$2,800	\$0	\$10,700	\$13,500
2023	Construction	TAP	\$3,524,000	\$0	\$908,000	\$4,432,000
Funding Totals:			\$4,182,800	\$0	\$1,132,700	\$5,315,500

## Proposed Project Schedule

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
Prior Year	Planning	L	\$0	\$0	\$50,000	\$50,000
Prior Year	PE/Design	TAP	\$656,000	\$0	\$164,000	\$820,000
2023	Right of Way	TAP	\$2,800	\$0	\$10,700	\$13,500
2025	Construction	TAP	\$3,524,000	\$0	\$908,000	\$4,432,000
Funding Totals:			\$4,182,800	\$0	\$1,132,700	\$5,315,500

## Explanation for Request

Change in dates based on anticipated schedule for the project.



## TIP Amendment Request - Third Fork Creek Trail

### Amendment Request Details

Type	TIP Modification (funding change < \$1M)
Status	Initial Submission
Request Date	10/21/2022
Jurisdiction/Agency	City of Durham
Requestor	Tom Ten Eyck
Requestor E-mail	<a href="mailto:tom.teneyck@durhamnc.gov">tom.teneyck@durhamnc.gov</a>
DCHC Approval Date	

STIP	TIP 2020 - 2029 (Current)	Proposed STIP	TIP 2020 - 2029 (Current)
Amendment #	#1 5/13/2020 (Adopted)		
TIP #	<a href="#">EB-5837</a>	Proposed TIP #	

### Project Information

Project Name	Third Fork Creek Trail
Project Description	Construct a shared use path and sidewalks in Durham from Southern Boundaries Park to the American Tobacco Trail. Install a beacon at SR 1158 (Cornwallis Road). This is an extension of the existing Third Fork Creek Trail. Planning, design, ROW, and construction managed by the City of Durham.
Additional Details	

### Existing Project Schedule

This is the existing schedule from TIP Project [EB-5837](#). Revisions should be made in the proposed schedule box below.

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2018	PE/Design	TAP	\$453,600	\$0	\$113,400	\$567,000
2021	Right of Way	TAP	\$14,000	\$0	\$3,500	\$17,500
2023	Construction	TAP	\$2,543,798	\$0	\$670,794	\$3,214,592
Funding Totals:			\$3,011,398	\$0	\$787,694	\$3,799,092

Proposed Project Schedule

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2018	PE/Design	TAP	\$453,600	\$0	\$113,400	\$567,000
2023	Right of Way	TAP	\$14,000	\$0	\$3,500	\$17,500
2024	Construction	TAP	\$2,543,798	\$0	\$670,794	\$3,214,592
Funding Totals:			\$3,011,398	\$0	\$787,694	\$3,799,092

Explanation for Request

Change in dates based on anticipated schedule for the project. Apologies for the duplication. Please disregard my previous submission for EB-5837 (this morning), and instead, use this one with ROW anticipated for FY2023 (May 2023) and Construction for FY2024 (July 2024).



## TIP Amendment Request - Chatham County Pedestrian Safety Improvements

### Amendment Request Details

Type	TIP Modification (funding change < \$1M)
Status	Initial Submission
Request Date	10/17/2022
Jurisdiction/Agency	Chatham County
Requestor	Aaron Cain
Requestor E-mail	<a href="mailto:aaron.cain@durhamnc.gov">aaron.cain@durhamnc.gov</a>
DCHC Approval Date	

STIP	TIP 2020 - 2029 (Current)	Proposed STIP	TIP 2020 - 2029 (Current)
Amendment #	#13 (Draft)		
TIP #	<a href="#">BL-0070</a>	Proposed TIP #	

### Project Information

Project Name	Chatham County Pedestrian Safety Improvements
Project Description	Chatham County is requesting to utilize its STBGDA funds to give to NCDOT for three pedestrian safety projects. We have received HILC funds from Division 8 for \$17,500 to partially cover the local match, and the county will providing the rest. Compiled into one total project, we will be giving \$139,866 to NCDOT to help carry out 3 bike/ped safety projects around the county. The non-federal match required is \$34,966.50. These projects will require no ROW acquisition.
Additional Details	

### Existing Project Schedule

This is the existing schedule from TIP Project [BL-0070](#). Revisions should be made in the proposed schedule box below.

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2023	Construction	STBGDA	\$139,866	\$17,500	\$17,467	\$174,833
Funding Totals:			\$139,866	\$17,500	\$17,467	\$174,833

### Proposed Project Schedule

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2023	PE/Design	STBG	\$5,300	\$0	\$0	\$5,300
2023	Construction	STBGDA	\$139,866	\$17,500	\$17,467	\$174,833
Funding Totals:			\$145,166	\$17,500	\$17,467	\$180,133

### Explanation for Request

Add \$5,300 of STBG-COVID funds for PE.



**ITEM N  
(HANDOUT)**

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM**

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

**STIP MODIFICATIONS**

HS-2005E DURHAM <b>PROJ.CATEGORY</b> REGIONAL	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	US 15 / US 501 BUSINESS, NC 751 (ACADEMY ROAD) INTERCHANGE IN DURHAM. INSTALL GUARDRAIL. <u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</b></u>	CONSTRUCTION	FY 2023 - <u>\$175,000</u> (HSIP) \$175,000
* HS-2005L DURHAM <b>PROJ.CATEGORY</b> DIVISION	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	SR 1327 (GREGSON STREET), SR 1327 (GREGSON STREET) AT KNOX STREET. INSTALL TRAFFIC SIGNAL. <u><b>ADD PROJECT BREAK AT REQUEST OF TRANSPORTATION MOBILITY AND SAFETY DIVISION.</b></u>	CONSTRUCTION	FY 2023 - <u>\$110,000</u> (HSIP) \$110,000
* HS-2005M DURHAM <b>PROJ.CATEGORY</b> REGIONAL	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	NC 55 (ALSTON AVENUE), AT SR 1670 (GEER STREET). REVISE TRAFFIC SIGNAL AND INSTALL PEDESTRIAN SIGNAL HEADS. <u><b>ADD PROJECT BREAK AT REQUEST OF TRANSPORTATION MOBILITY AND SAFETY DIVISION.</b></u>	CONSTRUCTION	FY 2023 - <u>\$62,000</u> (HSIP) \$62,000
* HS-2005N DURHAM <b>PROJ.CATEGORY</b> REGIONAL	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	NC 98, AT SR 1919 (LYNN ROAD). WIDEN FOR LEFT TURN LANES. <u><b>ADD PROJECT BREAK AT REQUEST OF TRANSPORTATION MOBILITY AND SAFETY DIVISION.</b></u>	RIGHT-OF-WAY CONSTRUCTION	FY 2024 - \$500,000 (HSIP) FY 2025 - \$285,000 (HSIP) FY 2025 - \$1,000,000 (T) FY 2025 - <u>\$500,000</u> (L) \$2,285,000

\* INDICATES FEDERAL AMENDMENT

Thursday, October 6, 2022

**ITEM N  
(HANDOUT)**

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM**

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

**STIP MODIFICATIONS**

* R-5785	- DURHAM-CHAPEL HILL-CARRBORO	VARIOUS, DIVISION 5 PROGRAM TO UPGRADE	CONSTRUCTION	FY 2023 -	\$200,000	(S)
DURHAM	METROPOLITAN PLANNING ORGANIZATION	INTERSECTIONS TO COMPLY WITH THE AMERICANS		FY 2023 -	\$800,000	(TA)
FRANKLIN	- CAPITAL AREA METROPOLITAN PLANNING	WITH DISABILITIES ACT (ADA) USING			\$1,000,000	
GRANVILLE	ORGANIZATION	TRANSPORTATION ALTERNATIVES (TA) FUNDS.				
PERSON	- KERR TAR RURAL PLANNING	<u><b>ADD FUNDING IN FY 23 NOT PREVIOUSLY</b></u>				
VANCE	ORGANIZATION	<u><b>PROGRAMMED.</b></u>				
WAKE						
WARREN						
<b>PROJ.CATEGORY</b>						
DIVISION						
* R-5787	- HIGH POINT URBAN AREA METROPOLITAN	VARIOUS, DIVISION 7 PROGRAM TO UPGRADE	CONSTRUCTION	FY 2022 -	\$200,000	(S)
ALAMANCE	PLANNING ORGANIZATION	INTERSECTIONS TO COMPLY WITH THE AMERICANS		FY 2022 -	\$800,000	(TA)
CASWELL	- GREENSBORO URBAN AREA	WITH DISABILITIES ACT (ADA) USING		FY 2023 -	\$200,000	(S)
GUILFORD	METROPOLITAN PLANNING ORGANIZATION	TRANSPORTATION ALTERNATIVES (TA) FUNDS.		FY 2023 -	\$800,000	(TA)
ORANGE	- DURHAM-CHAPEL HILL-CARRBORO	<u><b>ADD FUNDING IN FY 23 NOT PREVIOUSLY</b></u>			\$2,000,000	
ROCKINGHAM	METROPOLITAN PLANNING ORGANIZATION	<u><b>PROGRAMMED.</b></u>				
<b>PROJ.CATEGORY</b>	- BURLINGTON-GRAHAM URBAN AREA					
DIVISION	METROPOLITAN PLANNING ORGANIZATION					
	- TRIANGLE AREA RURAL PLANNING					
	ORGANIZATION					
	- PIEDMONT TRIAD RURAL PLANNING					
	ORGANIZATION					

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Thursday, October 6, 2022

**ITEM N  
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**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM**

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

**STIP MODIFICATIONS**

* R-5788	- DURHAM-CHAPEL HILL-CARRBORO	VARIOUS, DIVISION 8 PROGRAM TO UPGRADE	CONSTRUCTION	FY 2022 -	\$200,000	(S)
CHATHAM	METROPOLITAN PLANNING ORGANIZATION	INTERSECTIONS TO COMPLY WITH THE AMERICANS		FY 2022 -	\$800,000	(TA)
HOKE	- HIGH POINT URBAN AREA METROPOLITAN	WITH DISABILITIES ACT (ADA) USING		FY 2023 -	\$200,000	(S)
LEE	PLANNING ORGANIZATION	TRANSPORTATION ALTERNATIVES (TA) FUNDS.		FY 2023 -	\$800,000	(TA)
MONTGOMERY	- PIEDMONT TRIAD RURAL PLANNING	<u><b>ADD FUNDING IN FY 23 NOT PREVIOUSLY</b></u>			\$2,000,000	
MOORE	ORGANIZATION	<u><b>PROGRAMMED.</b></u>				
RANDOLPH	- TRIANGLE AREA RURAL PLANNING					
RICHMOND	ORGANIZATION					
SCOTLAND	- LUMBER RIVER RURAL PLANNING					
<b>PROJ.CATEGORY</b>	ORGANIZATION					
DIVISION						

\* INDICATES FEDERAL AMENDMENT

Thursday, October 6, 2022

**ITEM N  
(HANDOUT)**

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM**

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

**STIP MODIFICATIONS**

C-5183B DURHAM <b>PROJ.CATEGORY</b> EXEMPT	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	SR 1945 (S. ALSTON AVE.), SR 1171 (RIDDLE RD.) TO CAPPS ST. <u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</b></u>	CONSTRUCTION	FY 2023 - \$644,000 (CMAQ) FY 2023 - \$433,000 (BGDA) FY 2023 - \$269,000 (L) \$1,346,000
EB-5703 DURHAM <b>PROJ.CATEGORY</b> DIVISION	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	LASALLE STREET, KANGAROO DRIVE TO SPRUNT AVENUE IN DURHAM. CONSTRUCT SIDEWALKS ON BOTH SIDES FROM KANGAROO DRIVE TO US 70 BUSINESS (HILLSBOROUGH ROAD) AND ON ONE SIDE FROM HILLSBOROUGH ROAD TO SPRUNT AVENUE. <u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</b></u>	CONSTRUCTION	FY 2023 - \$1,152,000 (TAANY) FY 2023 - \$288,000 (L) \$1,440,000
EB-5704 DURHAM <b>PROJ.CATEGORY</b> DIVISION	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	RAYNOR STREET, NORTH MIAMI BOULEVARD TO NORTH HARDEE STREET IN DURHAM. CONSTRUCT SIDEWALK ON ONE SIDE OF STREET. <u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</b></u>	CONSTRUCTION	FY 2023 - \$408,000 (TAANY) FY 2023 - \$102,000 (L) \$510,000

\* INDICATES FEDERAL AMENDMENT

Thursday, November 3, 2022

**ITEM N  
(HANDOUT)**

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM**

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

**STIP MODIFICATIONS**

EB-5708 DURHAM <b>PROJ.CATEGORY</b> DIVISION	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	NC 54, NC 55 TO RESEARCH TRIANGLE PARK WESTERN LIMIT IN DURHAM. CONSTRUCT SECTIONS OF SIDEWALK ON SOUTH SIDE. <u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</b></u>	CONSTRUCTION	FY 2023 - \$204,000 (TAANY) FY 2023 - \$51,000 (L) FY 2023 - <u>\$236,000</u> (SRTS) \$491,000
EB-5715 DURHAM <b>PROJ.CATEGORY</b> DIVISION	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	US 501 BYPASS (NORTH DUKE STREET), MURRAY AVENUE TO US 501 BUSINESS (NORTH ROXBORO ROAD) IN DURHAM. CONSTRUCT SIDEWALK ON EAST SIDE TO FILL IN EXISTING GAPS. <u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</b></u>	CONSTRUCTION	FY 2023 - \$2,144,000 (TAANY) FY 2023 - <u>\$536,000</u> (L) \$2,680,000
EB-5721 ORANGE <b>PROJ.CATEGORY</b> DIVISION	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	ORANGE COUNTY BICYCLE ROUTE 1, CLELAND DRIVE TO WILLOW DRIVE IN CHAPEL HILL. UPGRADE EXISTING OFF-ROAD PATH AND CONSTRUCT NEW SECTION OF PATH. <u><b>TO ALLOW ADDITIONAL TIME FOR DESIGN, DELAY CONSTRUCTION FROM FY 22 TO FY 23.</b></u>	CONSTRUCTION	FY 2023 - \$250,000 (BGDA) FY 2023 - \$775,000 (TAANY) FY 2023 - <u>\$257,000</u> (L) \$1,282,000

\* INDICATES FEDERAL AMENDMENT

Thursday, November 3, 2022

**ITEM N  
(HANDOUT)**

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM**

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

**STIP MODIFICATIONS**

U-4724	-	DURHAM-CHAPEL HILL-CARRBORO	SR 1158 (CORNWALLIS ROAD), SR 2295 (SOUTH	RIGHT-OF-WAY	FY 2023 -	\$1,785,000	(BGANY)
DURHAM		METROPOLITAN PLANNING ORGANIZATION	ROXBORO STREET) TO SR 1127 (CHAPEL HILL ROAD)		FY 2023 -	\$448,000	(L)
<b>PROJ.CATEGORY</b>			IN DURHAM. BICYCLE AND PEDESTRIAN FEATURES.	CONSTRUCTION	FY 2024 -	\$3,854,000	(BGANY)
TRANSITION			<b><i>TO ALLOW ADDITIONAL TIME FOR PLANNING, DELAY</i></b>		FY 2024 -	\$120,000	(BGDA)
			<b><i>RIGHT-OF-WAY FROM FY 22 TO FY 23.</i></b>		FY 2024 -	<u>\$1,004,000</u>	(L)
						\$7,211,000	

\* INDICATES FEDERAL AMENDMENT

Thursday, November 3, 2022

**ITEM N  
(HANDOUT)**

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM**

**STIP ADDITIONS**

* HO-0010A	-	STATEWIDE TRAFFIC OPERATIONS, IMPLEMENT	IMPLEMENTATION	FY 2023 -	\$3,200,000	(CRPANY)
CABARRUS	- GASTON CLEVELAND LINCOLN URBAN	STATEWIDE TRAFFIC OPERATIONS ACTIVITIES SUCH		FY 2023 -	\$800,000	(S(M))
CLEVELAND	AREA METROPOLITAN PLANNING	AS TRAFFIC MANAGEMENT CENTERS, TRAVELER			\$4,000,000	
DURHAM	ORGANIZATION	INFORMATION, INTELLIGENT TRANSPORTATION				
FRANKLIN	- CHARLOTTE REGIONAL TRANSPORTATION	SYSTEMS (ITS), AND TRAFFIC INCIDENT AND EVENT				
GASTON	PLANNING ORGANIZATION	MANAGEMENT IN THE TRIANGLE AND METROLINA				
GRANVILLE	- CAPITAL AREA METROPOLITAN PLANNING	AREAS.				
IREDELL	ORGANIZATION	<u><b>ADD PROJECT AT THE REQUEST OF THE</b></u>				
JOHNSTON		<u><b>TRANSPORTATION MOBILITY AND SAFETY DIVISION.</b></u>				
LINCOLN						
MECKLENBURG						
ORANGE						
ROWAN						
UNION						
WAKE						
<b>PROJ.CATEGORY</b>						
STATEWIDE						

\* INDICATES FEDERAL AMENDMENT

Thursday, November 3, 2022

**ITEM N  
(HANDOUT)**

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM**

STATEWIDE PROJECT

**STIP ADDITIONS**

HO-0010B STATEWIDE <b>PROJ.CATEGORY</b> STATEWIDE	- STATEWIDE PROJECT	STATEWIDE TRAFFIC OPERATIONS, 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. <u><b>ADD PROJECT AT THE REQUEST OF THE TRANSPORTATION MOBILITY AND SAFETY DIVISION.</b></u>	IMPLEMENTATION	FY 2024 - \$4,000,000 (CRPANY) FY 2024 - \$1,000,000 (S(M)) FY 2025 - \$4,000,000 (CRPANY) FY 2025 - <u>\$1,000,000</u> (S(M)) \$10,000,000
* HV-0001 STATEWIDE <b>PROJ.CATEGORY</b> DIVISION	- STATEWIDE PROJECT	VARIOUS, CONSTRUCTION OF ELECTRIC VEHICLE SUPPLY EQUIPMENT ALONG NORTH CAROLINA'S ALTERNATIVE CORRIDORS <u><b>ADD NEW NATIONAL ELECTRIC VEHICLE INFRASTRUCTURE (NEVI) PROGRAM PROJECT.</b></u>	ENGINEERING	FY 2023 - <u>\$500,000</u> (NEVI) \$500,000
* M-0555DIV STATEWIDE <b>PROJ.CATEGORY</b> DIVISION	- STATEWIDE PROJECT	VARIOUS, UTILITY ENCROACHMENT AND ADMINISTRATIVE ACTIVITIES. <u><b>ADD PROJECT AT THE REQUEST OF THE TECHNICAL SERVICES DIVISION.</b></u>	UTILITIES	FY 2023 - \$105,000 (T) FY 2024 - \$105,000 (T) FY 2025 - \$105,000 (T) FY 2026 - \$105,000 (T) FY 2027 - \$105,000 (T) FY 2028 - \$105,000 (T) FY 2029 - \$105,000 (T) AFTER FY 2029 - <u>\$630,000</u> (T) \$1,365,000

\* INDICATES FEDERAL AMENDMENT

Thursday, November 3, 2022



**ITEM N  
(HANDOUT)**

**REVISIONS TO THE 2020-2029 STIP  
HIGHWAY PROGRAM**

STATEWIDE PROJECT

**STIP ADDITIONS**

* M-0555REG	- STATEWIDE PROJECT	VARIOUS, UTILITY ENCROACHMENT AND	UTILITIES	FY 2023 -	\$105,000	(T)
STATEWIDE		ADMINISTRATIVE ACTIVITIES.		FY 2024 -	\$105,000	(T)
<b>PROJ.CATEGORY</b>		<u><b>ADD PROJECT AT THE REQUEST OF THE TECHNICAL</b></u>		FY 2025 -	\$105,000	(T)
REGIONAL		<u><b>SERVICES DIVISION.</b></u>		FY 2026 -	\$105,000	(T)
				FY 2027 -	\$105,000	(T)
				FY 2028 -	\$105,000	(T)
				FY 2029 -	\$105,000	(T)
				AFTER FY 2029 -	\$630,000	(T)
					\$1,365,000	
* M-0555SW	- STATEWIDE PROJECT	VARIOUS, UTILITY ENCROACHMENT AND	UTILITIES	FY 2023 -	\$140,000	(T)
STATEWIDE		ADMINISTRATIVE ACTIVITIES.		FY 2024 -	\$140,000	(T)
<b>PROJ.CATEGORY</b>		<u><b>ADD PROJECT AT THE REQUEST OF THE TECHNICAL</b></u>		FY 2025 -	\$140,000	(T)
STATEWIDE		<u><b>SERVICES DIVISION.</b></u>		FY 2026 -	\$140,000	(T)
				FY 2027 -	\$140,000	(T)
				FY 2028 -	\$140,000	(T)
				FY 2029 -	\$140,000	(T)
				AFTER FY 2029 -	\$840,000	(T)
					\$1,820,000	

\* INDICATES FEDERAL AMENDMENT

Thursday, November 3, 2022

**DURHAM • CHAPEL HILL • CARRBORO**  
**METROPOLITAN PLANNING ORGANIZATION**

101 City Hall Plaza • Durham, NC 27701 • Phone (919) 560-4366 • [dchcmpo.org](http://dchcmpo.org)



**November 9, 2022**

TO: DCHC MPO Technical Committee  
 FROM: Aaron Cain, Planning Manager  
 Ellen Beckmann, Durham County Transportation Manager  
 SUBJECT: Durham County Transit Plan Preferred Scenario and Release for Public Comment

**Summary.** Soon after the discontinuation of the Durham-Orange Light Rail Transit (D-O LRT) project in 2019, the development of a new Durham County Transit Plan (DCTP) was initiated. In spring 2020 a consultant, Kimley-Horn and Associates, was hired to manage the development of the new DCTP. With the third and final phase of community outreach completed in the summer of 2022, a final recommended preferred scenario has been developed and the final drafting and review of the plan document is near completion. The DCHC MPO Board is requested to release of the draft Durham County Transit Plan by the end of November 2022.

**Background.** A Durham County Transit Plan, including a financial plan, is required by state legislation that enabled the local option half-cent sales tax for public transit improvements. The plan must be adopted by the Durham County Board of Commissioners, the GoTriangle Board of Trustees, and the Durham-Chapel Hill-Carrboro Metropolitan Transportation Organization (DCHC MPO) Board. The half-cent sales tax approved by Durham County voters in 2011 is the primary funding source, but the plan also incorporates funding from vehicle registration fees and the rental car tax that are managed together in a Triangle Tax District. These funding sources generate approximately \$35 million annually. The first plan, the Bus and Rail Investment Plan, was adopted in 2011, with an update in 2017 that was centered around the D-O LRT project. In 2019, GoTriangle discontinued the light rail project, and there is now a need for a new Durham County Transit Plan.

The plan update is being managed by Ellen Beckmann, Durham County Transportation Manager, and Aaron Cain, Planning Manager at the DCHC MPO. There is a multi-agency Durham Transit Team has guided the plan development. In 2020, DCHC MPO contracted with Kimley-Horn and Associates to provide consultant support for the transit plan. Kimley-Horn is using several subconsultants on the plan, including a local Durham small business for Engagement Ambassador management and public outreach.

**Issues and Analysis.** The public engagement process has followed the City of Durham's Equitable Engagement Blueprint. The first phase of outreach for the plan was initiated in coordination with the Durham Comprehensive Plan from October 2019 to February 2020 through the Listening and Learning sessions. This first phase focused on identifying high-level goals and objectives and seeking feedback on the universe of projects and services that residents would like to see included in the plan.

Two over-arching core principles were identified for the plan:

- Equity
- Community Trust

And four high-level goals were identified:

- Accessibility
- Connectivity
- Convenience
- Sustainability

The Durham Transit Team directly used the results of the Phase 1 outreach and technical analysis to develop three representative transit options for how the funding could be used through 2040, making sure to address the needs identified by current transit riders, low-income residents, and People of Color. This second phase of outreach occurred in summer 2021. The results of the Phase 2 outreach were presented to boards in fall of 2021. The key takeaways from the Phase 2 outreach were:

- Regular Transit Riders and People of Color consistently identified later/weekend bus service, more bus frequency, and more reliable bus service as their highest priorities.
- All respondents supported getting more improvements more quickly.
- All respondents supported bus rapid transit or the elements of bus rapid transit such as 15-minute service, bus-only lanes, and traffic signal priority.
- The commuter rail project has support, but it is not the highest priority for any group. The commuter rail project has less support from People of Color and Daily Transit Riders.

The results of the Phase 2 outreach and technical analysis provided the basis for a preferred scenario that was brought to the public for comment in summer 2022. The Phase 3 outreach results were generally supportive of the preferred scenario, indicating that it should be used as the basis for the final recommended plan. Upon the completion of that outreach and analysis of the feedback, the preferred scenario has been refined and tested against projected revenues to ensure compliance with the financial model. This final preferred scenario will be reflected in the final recommended plan that is to be brought to the three governing boards over the next three months for adoption.

Durham County, and the entire Triangle region, has many more transit needs than available funds can provide. A key purpose of the draft Durham County Transit Plan is to identify and prioritize those needs within fiscal constraints. The preferred scenario in the final recommended plan balances community needs for improvement to the existing local and regional bus systems and planning and building for future travel needs as the Triangle grows.

When available, the final plan report will be posted on the plan's Engage Durham website:

<https://engagedurham.com/101/Durham-Transit-Plan>

The preferred scenario focuses on four key themes for improvements:

- Improve the Current System
- More Projects Sooner
- Connect the Region with Quick and Reliable Service
- Better Experience at Stops and Stations

Project highlights include:

- All services currently being provided through the Durham County Transit Plan will continue
- Improvements at all bus stops in Durham County
- Increased midday service on the GoTriangle 400/405 and 700 routes
- New GoDurham crosstown routes in north and east Durham;
- Additional frequency on GoDurham Routes 3, 4, and 9/9A/9B
- Extend Sunday GoDurham service to midnight on all routes
- Construction of bus stop and access improvements on five high frequency Bus Transit Corridors
  - Route 5 (Fayetteville Street)
  - Route 3 (Holloway Street)
  - Route 10 (Chapel Hill Road/University Drive)
  - Route 9 (Avondale Drive/Club Blvd/Dearborn Drive)
  - Route 4 (Roxboro Road)
- Construction of new transit centers
  - The Village
  - North Duke Crossing
- Construction of improvements at Durham Station
- Construction of a new Regional Transit Center in RTP
- Construction of a new paratransit maintenance facility
- Construction of improvements to the GoTriangle and GoDurham Bus Operations and Maintenance Facilities
- Study to determine needed improvements for GoDurham and GoTriangle ACCESS and funding for implementation
- GoDurham Connect (microtransit) zones in north and east Durham
- Subsidized vanpools to Durham County employment sites
- Transit Signal Priority to improve bus speed and reliability on congested corridors.
- Bus speed and reliability improvements on downtown streets near Durham Station, including bus only lanes, signal upgrades, routing changes, and other infrastructure improvements.
- Study for potential Bus Rapid Transit or other bus speed and reliability improvements and funding towards the construction of those improvements.
- Durham County's financial contribution towards the construction and operation of commuter rail service between Durham and Wake counties or other fast, reliable, regional service initiatives

The improvements listed above do not address all of the transit needs that Durham will have over the next 20 years. The Durham County Transit Plan will acknowledge the unmet transit needs and explore the further development of and identification of funding for a greater vision for transit in Durham County that is consistent with the DCHC MPO Metropolitan Transportation Plan (MTP).

Furthermore, consistent with the plan's focus on community trust, the final recommended plan includes implementation metrics that will be used to monitor and report on project delivery and

outcomes. Additional staff administration resources are also programmed to facilitate project delivery, report on progress, and improve equitable contracting and transit-oriented development efforts.

**Next Steps.** The release for public comment of the final recommended Durham County Transit Plan is the first step in the formal adoption process. Per state law, the Durham County Transit Plan must be approved by three governing bodies: the DCHC MPO Board, the Durham Board of County Commissioners (BOCC), and the GoTriangle Board of Trustees. Below is the anticipated schedule for the plan's adoption:

#### Presentation of Preferred Scenario

BOCC – November 7  
 DCHC MPO Board – November 9  
 GoTriangle Board of Trustees – November 16  
 Durham City Council – December 8

Release final recommended Durham County Transit Plan for minimum 21-day public comment period – November 30

Public hearing for Durham County Transit Plan (at BOCC) – December 12

DCHC MPO TC Recommendation of the Durham County Transit Plan – December 21

#### Votes for Adoption of the Durham County Transit Plan

BOCC – January 9  
 DCHC MPO Board – January 11  
 GoTriangle Board of Trustees – January 25





# 01

## EXECUTIVE SUMMARY

PARTNERS

INTRODUCTION

CORE PRINCIPLES

PLAN GOALS

SUMMARY OF PLANNING PROCESS

PUBLIC ENGAGEMENT

FINAL RECOMMENDED PLAN

IMPLEMENTATION PLAN



## PARTNERS

The co-signatories of this Plan are the Durham-Chapel Hill-Carrboro (DCHC) Metropolitan Planning Organization (MPO), Durham County, and GoTriangle. The governing board of the DCHC MPO includes local, elected officials from the City of Durham, Town of Chapel Hill, Town of Hillsborough, Town of Carrboro, Durham County, Orange County, and Chatham County, as well as representatives from GoTriangle and the State Board of Transportation. The GoTriangle Board consists of appointed representatives from Durham, Orange, and Wake Counties, and the State Board of Transportation.



## INTRODUCTION

The Durham County Transit Plan, also referred to as “this Plan,” “the updated Plan,” the “2022 Plan,” and/or “this Plan update,” contains a program of transit services and projects to be funded by the dedicated local revenues for transit in Durham County through 2040. There are four dedicated revenue streams used toward funding the local share of projects and services in this Plan, referred to throughout the Plan as Tax District Revenues. These four dedicated Tax District Revenue streams are as follows:

- Article 43: Half-Cent Sales and Use Tax
- Article 50: Five-Percent Vehicle Rental Tax (portion allocated to Durham County by GoTriangle Board of Trustees)
- Article 51: Three-Dollar increase to GoTriangle Regional Vehicle Registration Fee
- Article 52: Seven-Dollar County Vehicle Registration Fee

According to the 2013 Interlocal Implementation Agreement, a Staff Working Group was created that included representatives from Durham County, GoTriangle, and DCHC MPO to review the Plan and prepare updates as needed, or at least every four years. These Staff Working Group representatives, and representatives from the City of Durham and City-County Planning Department, worked collaboratively as the Project Team in developing this plan update. The last updated Durham County Transit Plan was in 2017 and included funding for the Durham-Orange Light Rail Transit (DOLRT) project, which was discontinued in 2019. The funds previously allocated for the DOLRT project are reallocated as part of this updated Plan.

This Plan will provide over \$1 billion of local transit dedicated dollars to spend on transit improvements in Durham through 2040. About half of the funding in this Plan will be used to continue the bus service improvements that were approved in the 2017 transit plan; no service improvements will be stopped because of the adoption of this Plan (GoDurham Route 20 was suspended in 2020 and permanently discontinued in 2022 due to low ridership). The other half of the funds will support new transit initiatives and projects throughout the county, as identified through the public involvement process.

## CORE PRINCIPLES

The Project Team recognizes that certain groups of people have historically been underserved or disproportionately burdened by transportation decision-making outcomes. In an effort to intentionally center underserved communities developing this Plan, two core principles to guide planning efforts were crafted based on the Listening and Learning sessions in winter 2019: Equity and Community Trust.

### EQUITY

*Investing in underserved and transit-dependent communities.*

Prioritize transit access and investment for Environmental Justice (EJ) communities, including, but not limited to, minority race and ethnic populations (i.e., Black, Indigenous, Hispanic/Latinx, all racial and ethnic minorities), elderly populations, low-income households, Limited English Proficiency (LEP) communities, and zero-car households.

Provide transit options and access to affordable housing developments.

Improve access for people with mobility challenges.

### COMMUNITY TRUST

*Providing transparency throughout the planning and decision-making processes.*

Be transparent about how community feedback affects transit decisions.

Account for how transit funds are spent and the cost of different types of service.

Address what happened to recently discontinued or reduced services.

Actively engage residents and empower them to influence decisions.

Provide real opportunities for residents to impact service design.



## PLAN GOALS

As the core principles guide the development of this Plan with overarching commitments to Durham County residents, the Plan's goals and objectives provide further direction for the Plan's development and final recommendations for transit improvements. The objectives and goals were based on community comments and were vetted by the Plan's Technical and Outreach Committees. Below are a list of the Plan's goals and objectives:

### ACCESSIBILITY

*Providing opportunities for all users to access transit.*

### CONNECTIVITY

*Providing a well-connected, multimodal transportation network.*

### CONVENIENCE

*Creating reliable transit options and providing dependable information to riders.*

### SUSTAINABILITY

*Creating resilient infrastructure to meet the needs of existing and future populations.*

## SUMMARY OF PLANNING PROCESS

This high-level overview of the planning process describes the major milestones of the Plan's development in five sequential stages. The holistic planning process is the culmination of meaningful community engagement, analysis by passionate and experienced transit professionals, and dedicated community leadership. At each major milestone in developing the Plan, public feedback was synthesized and incorporated into subsequent milestones.

### GOALS AND OBJECTIVES ..... 2019



The planning process started by establishing the Plan's goals and objectives. These were created using transit-related input gathered from annual on-board transit riders survey, the Comprehensive Plan update Listening and Learning sessions, Phase I of the City of Durham Participatory Budgeting Process, and resident focus groups from the City of Durham's 2019 Annual Resident Survey.

### EXISTING CONDITIONS ..... 2020



The next step was gaining an understanding of the transit needs and gaps in Durham by performing in-depth data analysis.

### TRANSIT OPTION PLANNING ..... 2021



The third step involved developing three different illustrative transit options (or scenarios) that each addressed identified transit needs. Each transit option contained varying levels of investment and different types of projects to demonstrate benefits and tradeoffs associated with each. These options were presented to the public for feedback.

### RECOMMENDED TRANSIT PLAN ..... 2022



The fourth step involved building a single, cost-constrained, preferred transit plan with the projects that were chosen as the highest priority, based on public feedback on the options. This draft preferred option was then presented again to the public for final feedback prior to finalizing.

### FINAL PLAN AND APPROVAL ..... 2023



The final step of the Durham County Transit Plan was documenting the entire planning process and final recommendations, and presenting the final report to the approving bodies. The participating agencies will continue to work together implementing the recommended service improvements and projects identified in the Plan.



# PUBLIC ENGAGEMENT

This Plan's development is centered on intentional, equitable, and representative public input. An Outreach Committee made up of staff from DCHC, City of Durham, Durham County, GoTriangle, and consultant team members led the planning and execution of three phases of outreach. All three phases were conducted in partnership with the Durham Engagement Ambassadors, helping to ensure a diverse and representative response from communities across Durham whose feedback was needed the most. The Engagement Ambassadors are a group of residents connected to parts of our community that staff may not be able to fully engage. The efforts of these Ambassadors was the most successful component of outreach.

## PHASE I

Phase I of public outreach focused on the existing system and confirming transit service improvement priorities previously expressed by Durham residents.



## PHASE II

Phase II of public outreach presented three transit options to illustrate how funds could be invested differently. The public was presented the potential benefits of each transit options and asked to prioritize the capital and operating projects and varying levels of transit service.



## PHASE III

Phase III of public outreach shared the draft preferred transit scenario containing the final recommended capital and operating transit improvements with the public and asked for feedback.



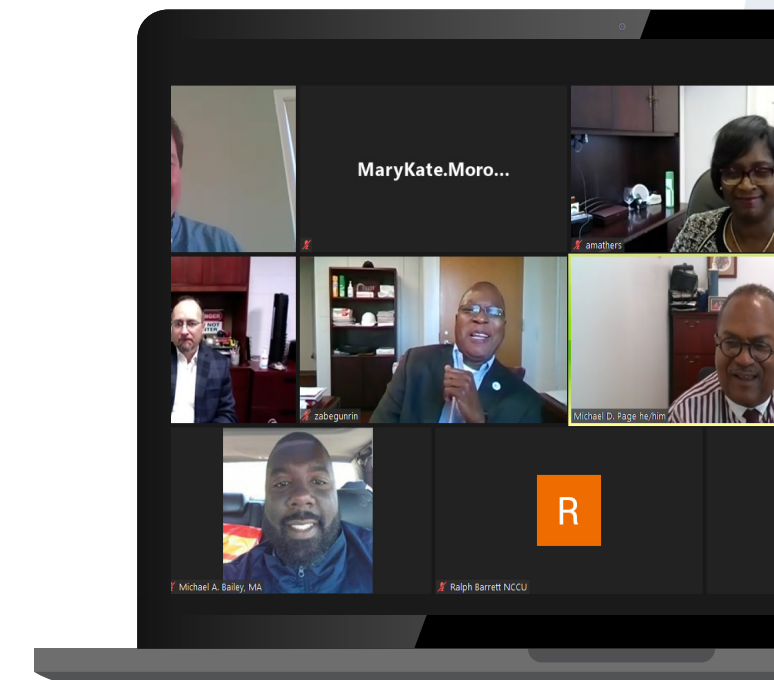
Before, during, and after the height of the COVID-19 pandemic, a mix of virtual and in-person (when safe and appropriate) outreach events were conducted, with an emphasis on transparency of the process. Community leaders, key stakeholders, and elected officials were also consulted throughout each major milestone of the outreach process.

Challenges associated with COVID-19 made conducting outreach through traditional methods difficult. To collect representative, meaningful feedback, it was imperative that the public engagement strategy be flexible and intentional. The three phases of outreach combined various in-person events with virtual meetings to provide a variety of options for residents. All surveys published online were available in print, in English and Spanish, and links to the survey were posted on board buses and at Durham Station to encourage the participation of transit riders.



*“As I read the plan it looks as if the planners really listened to the underserved neighborhoods.”*

- Durham Transit Plan Public Comment



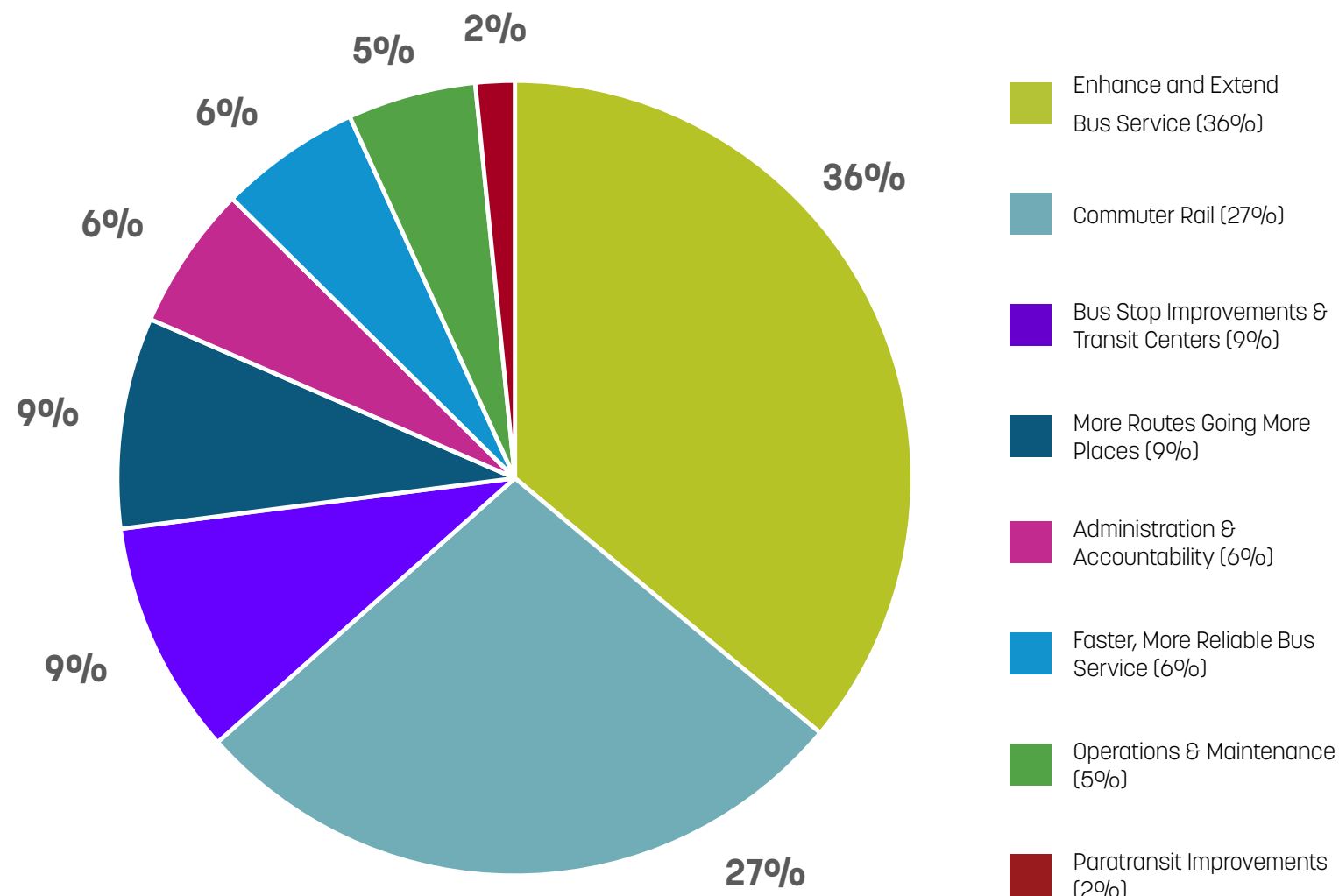
# FINAL RECOMMENDED PLAN

The final Durham County Transit Plan contains additional capital and operating projects that address the needs identified through detailed analysis and the priorities of the public. These priorities were gathered during intentional and in-depth stakeholder and public outreach. The needs and priorities were translated into key improvement themes used in the development of the final transit recommendations.

## KEY IMPROVEMENT THEMES

- Improve the current bus system
- More transit projects sooner
- Connecting the region with quick and reliable service
- Better experience at stops and stations

The following graphic breaks down the funding allocation for each improvement type:

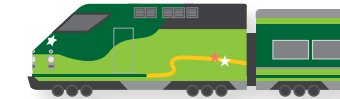


## PROJECT TYPES



### ENHANCE AND EXTEND SERVICE

All GoDurham routes will come every 30 minutes or better and will run later at night and on the weekends, including Sundays.



### COMMUTER RAIL

Durham County will contribute financially to build and run the commuter rail between Durham County and Wake County or provide other regional, fast, and reliable service improvements.



### BUS STOP IMPROVEMENTS & TRANSIT CENTERS

Enhancements at existing bus stops and transit centers will include ADA landing pads, benches, shelters, signage, and/or lighting.



### MORE ROUTES GOING MORE PLACES

New crosstown routes to go more places in Durham and new GoDurham Connect (Microtransit) zones.



### ADMINISTRATION & ACCOUNTABILITY

Dedicated staff positions to administer the Transit Plan, equitable contracting, and transit-oriented development efforts.



### FASTER, MORE RELIABLE SERVICE

Study for potential bus rapid transit (BRT) and infrastructure projects to help buses stay on schedule, such as traffic signal improvements, bus-only lanes, and adjusting bus stop spacing.



### OPERATIONS & MAINTENANCE

Bus maintenance facility improvements and expansions, additional bus purchases and replacements, new electric buses, bus fuel and operating costs.



### PARATRANSIT IMPROVEMENTS

GoTriangle and GoDurham paratransit (ACCESS) service expansions, Food Access for Seniors Shuttle, and a GoDurham Access Improvement Study.



# IMPLEMENTATION PLAN

The implementation of projects identified in the final Durham County Transit Plan will happen over the course of the Plan's 20-year lifespan. Operating and capital projects will begin in an order that meets the highest needs and priorities and can be funded with dollars available in that year. Consideration will be given to projects that must be implemented at the same time for the projects to provide intended benefits. Projects that were identified as a high priority through the public input process were designated for early implementation when funding and delivery schedules allowed.

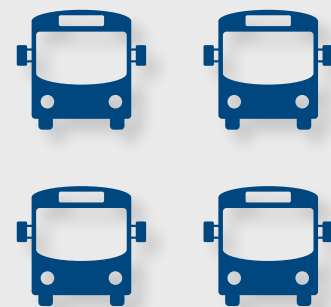
*Over \$150 million are planned to be spent on new projects in Durham County by 2027.*

This Plan includes funding for the following projects to be delivered in the next five years (by 2027):

- New East Durham/The Village to NCCU Crosstown Route
- Extend Sunday service to midnight
- 30-minute service on all GoDurham routes in the evenings and Sundays
- Improve Route 4 to run every 15-minutes and extend to Danube/Hebron
- Improve Route 9 to run every 15-minutes
- Provide 15-minute all day service on the 15-501 corridor from Durham to Chapel Hill with Routes 400/405
- The Village and North Duke Crossing Transit Center
- GoTriangle ACCESS and GoDurham ACCESS Improvement Study
- Construction of Durham Station Improvements
- Construction of Route 3 (Holloway) and Route 5 (Fayetteville) Bus Transit Corridors
- Bus Rapid Transit and Bus Speed and Reliability Infrastructure Study

## 2022 DURHAM COUNTY TRANSIT PLAN

This Plan includes much more funding for bus service than the 2017 Durham County Transit Plan. More than 70% of the Durham County Transit Plan funds will be used for bus projects.



**73%**  
Bus Projects



**27%**  
Commuter Rail

## PLAN OVERSIGHT

Consistent with the principle to focus on community trust, the partner agencies—Durham County, DCHC MPO, and GoTriangle—are committed to tracking and reporting plan implementation in a way that is easily accessible to the public. The partners will develop a performance monitoring program to track progress on project implementation and Transit Plan goals. This Plan, along with the annual Transit Work Programs, will serve as the foundation documents for tracking the implementation of the proposed projects.

The annual Transit Work Program outlines the specific transit services, programs, and infrastructure projects that will be funded in the upcoming fiscal year (July to June). It also includes the multi-year investment strategy, which lists the service and infrastructure investments planned to be funded in future years covered by the Durham County Transit Plan. The partner agencies will review and update the progress of project implementation at least twice per year. The first scheduled update will occur in July/August at the start of the fiscal year. This update cycle will ensure that the elements of the Transit Work Program, adopted in June, are accurately represented. The second cycle will occur in January/February to capture any needed mid-year updates. Implementation metrics for tracking the progress of this Plan are described in the Implementation Plan chapter.







# Durham Transit Plan

## Durham County Transit Plan Summary

November 2022



## Adopting Agencies



## Partnering Agencies



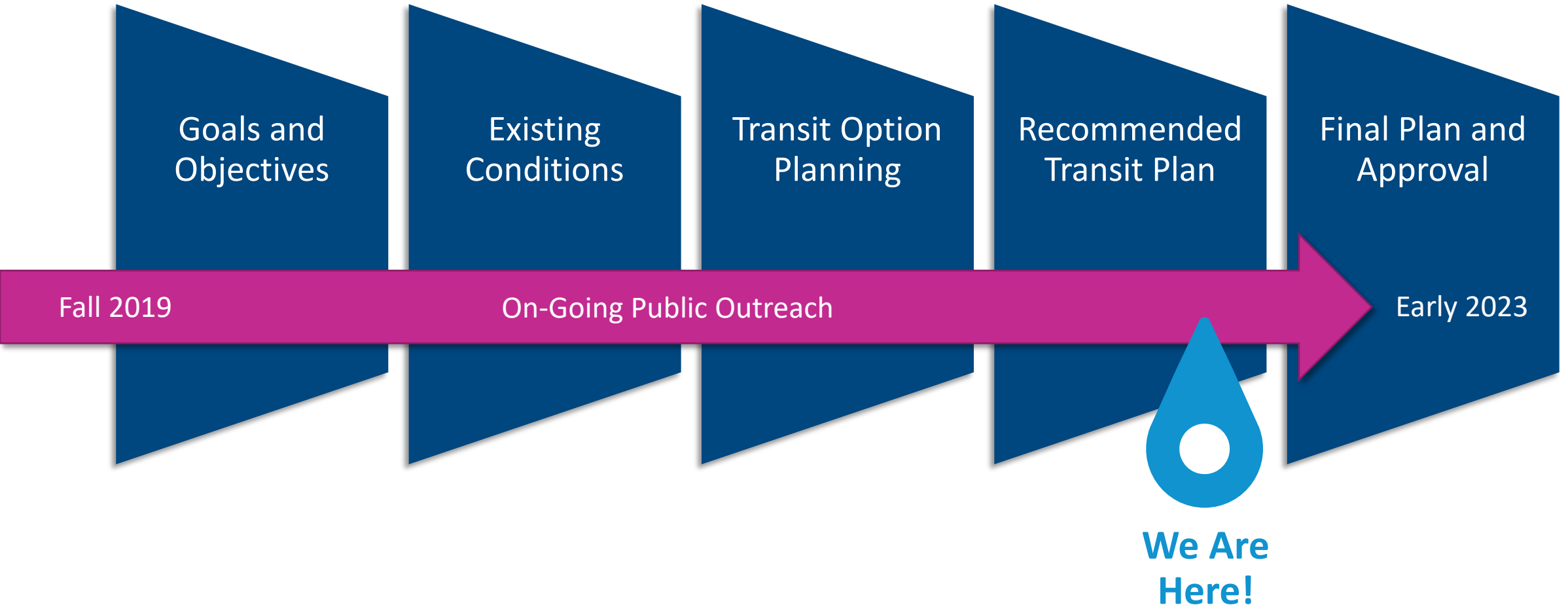
# What is the Durham County Transit Plan?

The Durham County Transit Plan is an investment plan for the public transportation (transit) system in the County. The plan will decide how we invest, spend, expand, and prioritize our public transit system using sales tax and fee revenues raised in Durham County.

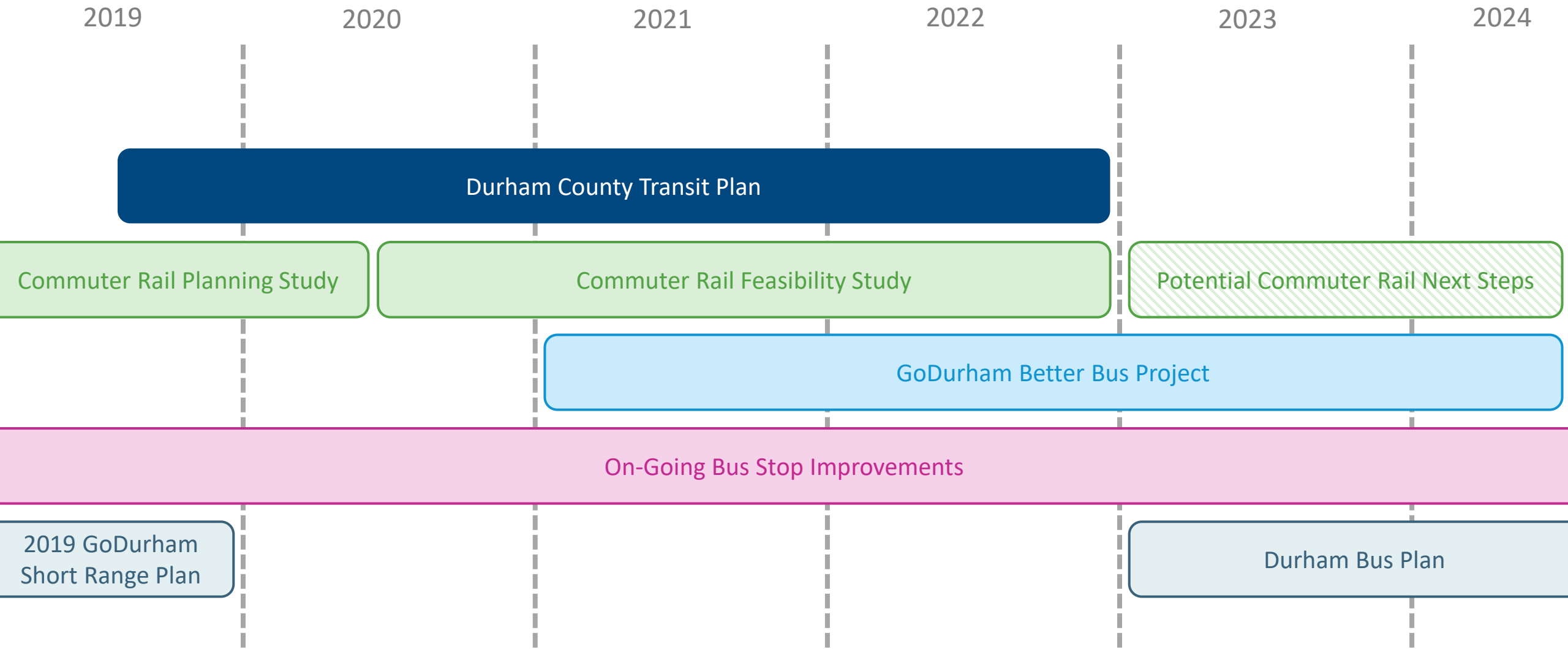
In 2011, Durham County voters approved a half-cent sales tax to fund public transit improvements in Durham. This Transit Plan update is required by State law to determine how to use the transit sales tax funds for transit expansion over the next 20 years, through 2040. This plan does not include all transit or transportation revenues in Durham.



# The Durham County Transit Plan Process

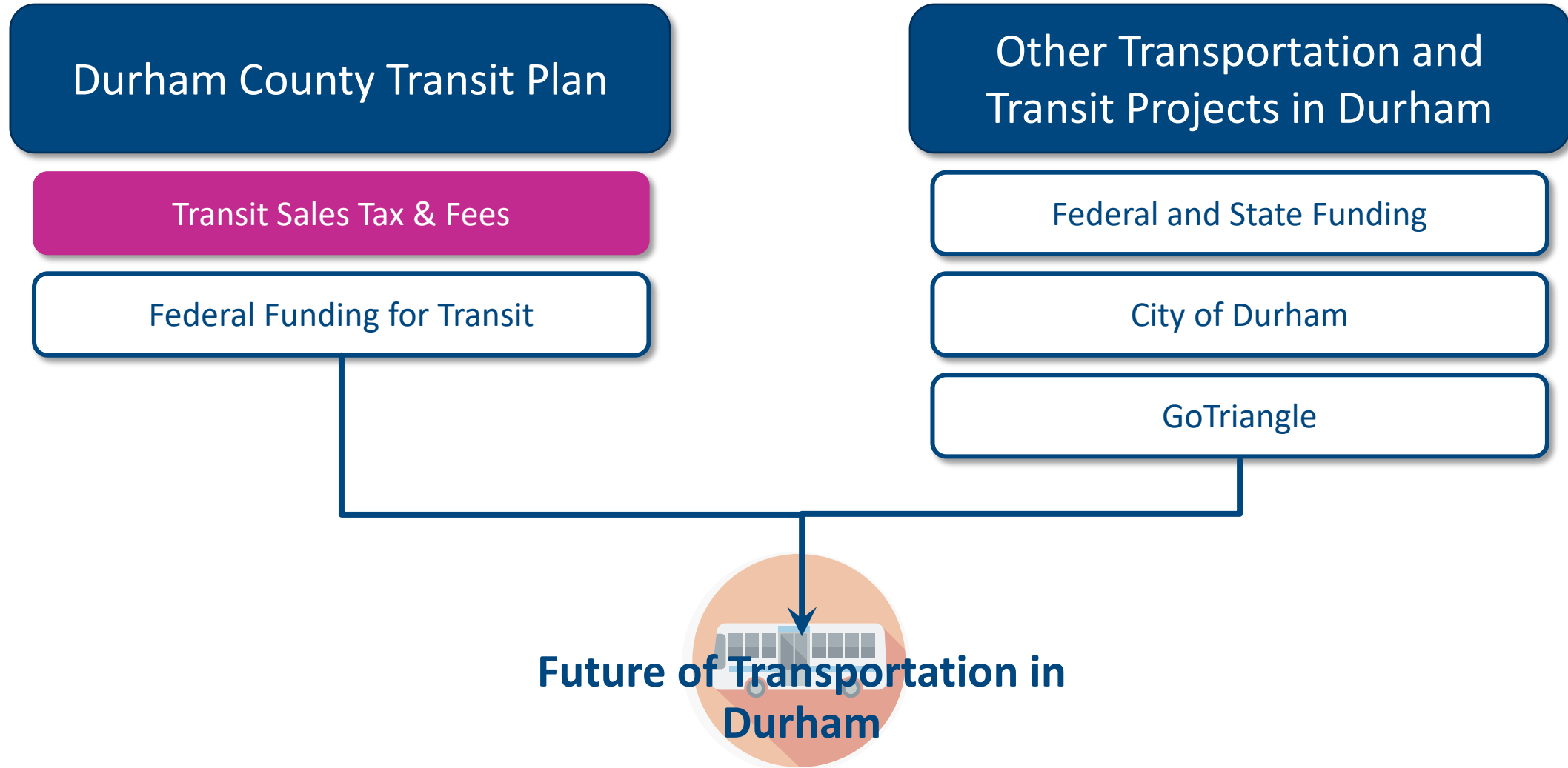


# Concurrent Planning Processes

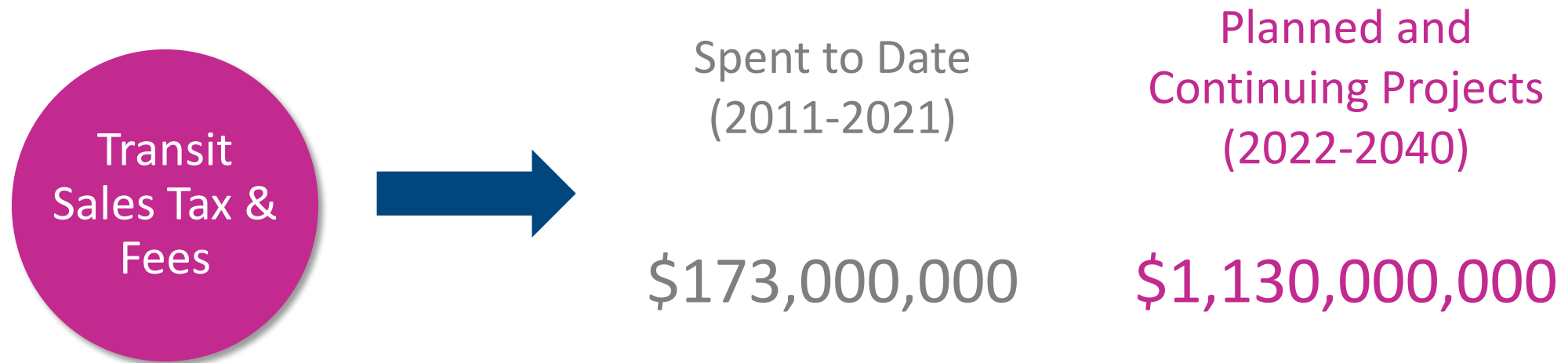




# There are Multiple Funding Sources for Transit in Durham



# Financial Breakdown of the Durham County Transit Plan Revenues

**Notes:**

Totals include only the Durham share of project costs

Total Spent to Date includes **Durham's share** of Durham-Orange Light Rail (DOLRT) cost was \$126M

**Total** DOLRT project cost including Orange County share was \$157M

DOLRT is discontinued and not associated with Commuter Rail

# Recommended Final Durham County Transit Plan



# Recommended Transit Plan – Key Themes

Improve the Current System	More Projects Sooner	Connect the Region with Quick and Reliable Service	Better Experience at Stops and Stations
More 15-minute bus service	Bus stop improvements	Next steps for commuter rail connecting Durham and Wake counties	Bus stop improvements
Evening/weekend service	GoDurham and GoTriangle Paratransit (ACCESS) study and improvements	Better on-time performance of buses	Safer access to bus stops
More crosstown routes	GoDurham Connect (Microtransit) zones	Transit signal priority for buses	Improve Transit Centers

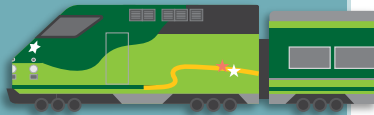
# Recommended Transit Plan

## Enhance and Extend Bus Service



Improves all GoDurham routes to come every 30 minutes or sooner (some routes coming every 15 minutes), extends service to run later at night during the week and weekends, and certain GoTriangle routes come more often and run later at night.

## Commuter Rail



Includes Durham County's financial contribution to build and begin running the commuter rail between Durham County and Wake County or provide other regional, fast, and reliable service improvements.

## Bus Stop Improvements & Transit Centers



Enhances existing bus stops and transit centers with accessible landing pads at all stops, and benches, shelters, signage, lighting, and sidewalks at certain bus stops.

## More Routes Going More Places



Adds new crosstown routes to go more places, sponsors vanpools, and adds GoDurham Connect (microtransit) zones.

## Faster, More Reliable Bus Service



Includes projects to help buses stay on schedule such, as traffic signal improvements, bus-only lanes, and a study for potential bus rapid transit (BRT).

## Paratransit Improvements

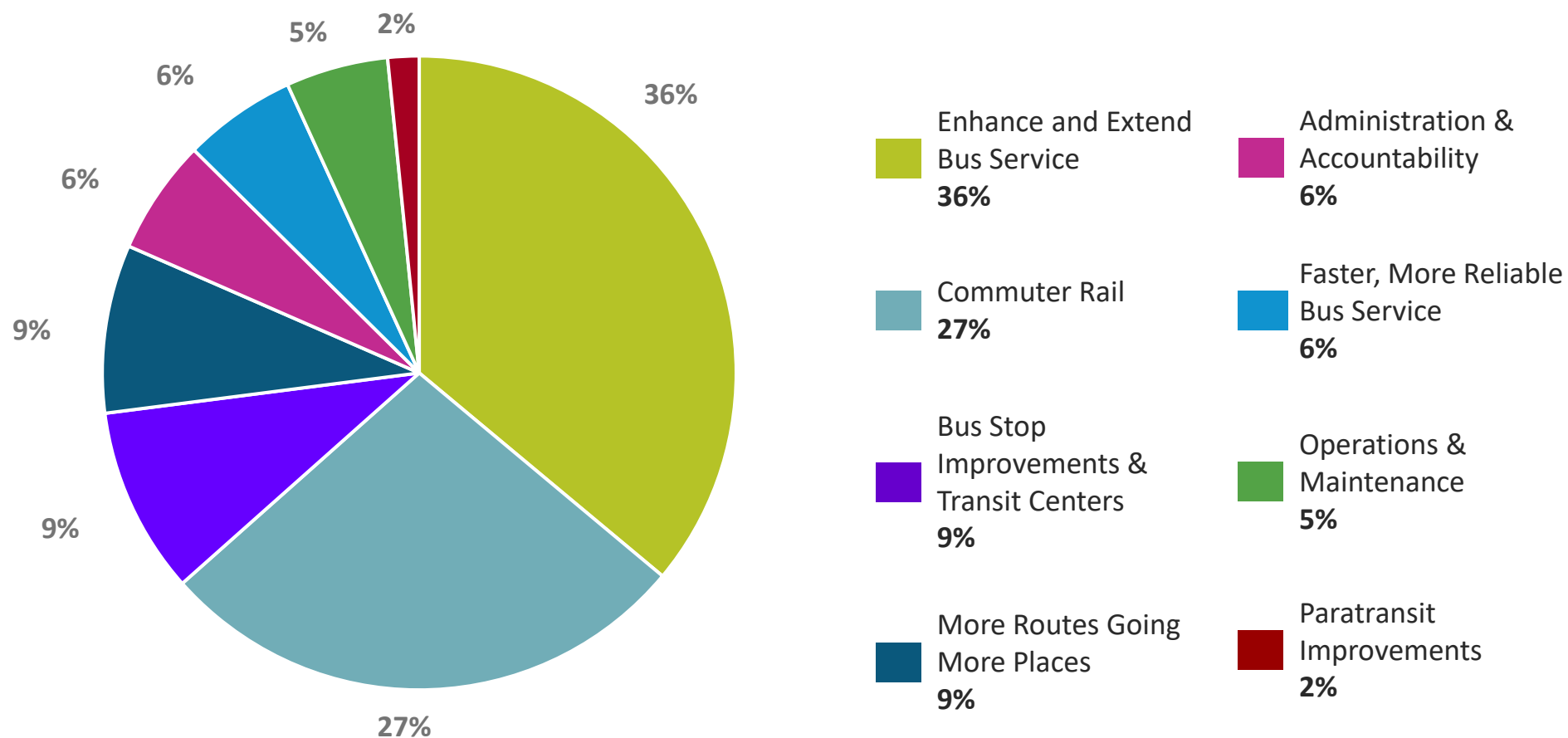


Includes GoTriangle and GoDurham paratransit (ACCESS) service improvement study, further improvements/expansion, and food access for seniors shuttle.

# What is Included in the Recommended Transit Plan

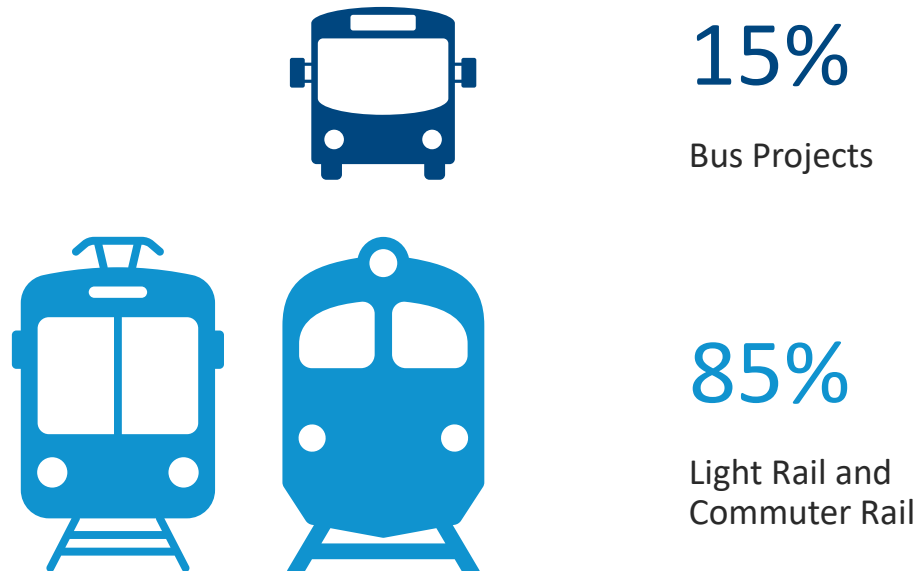
Projects were grouped into buckets based on the public priorities from the first and second phases of outreach.

The following slides show—in more detail—what is included in each bucket.

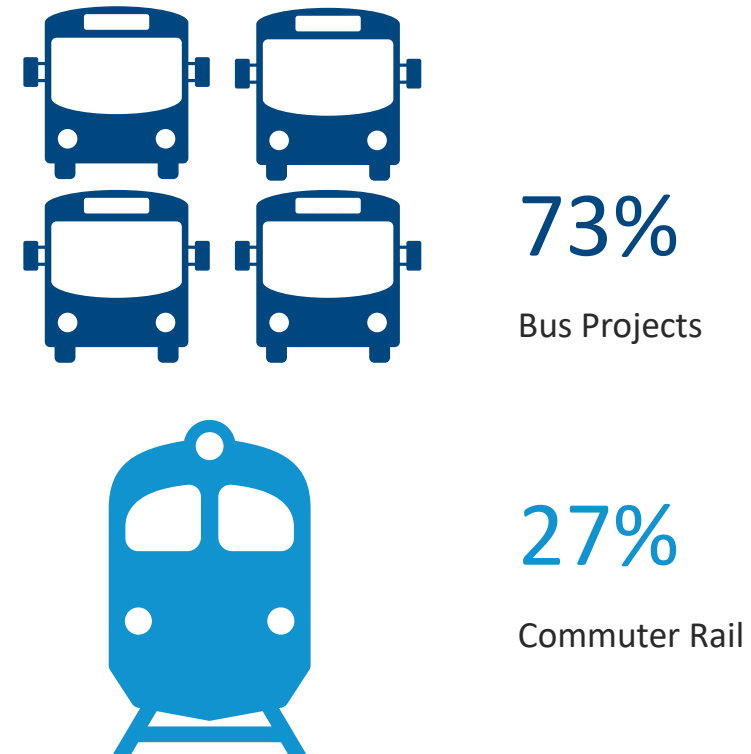


# What is Included in the Recommended Transit Plan

## 2017 Durham Transit Plan



## 2022 Durham Transit Plan



# Enhance and Extend Bus Service



- Improve all GoDurham routes to come every 30 minutes or sooner
- Enhance service for Route 400 and Route 405 to and from Chapel Hill
- Enhance Route 4 and Route 9 to run every 15 minutes to and from North Durham
- Extend Route 9A/9B service to midnight on weekdays with 30-min service to Bragtown
- Enhance Route 700 to run every 15 minutes during mid-day to and from the Regional Transit Center
- Additional frequency on Route 3
- Additional frequency and later service on Route 9
- Extend weekday and weekend service to midnight

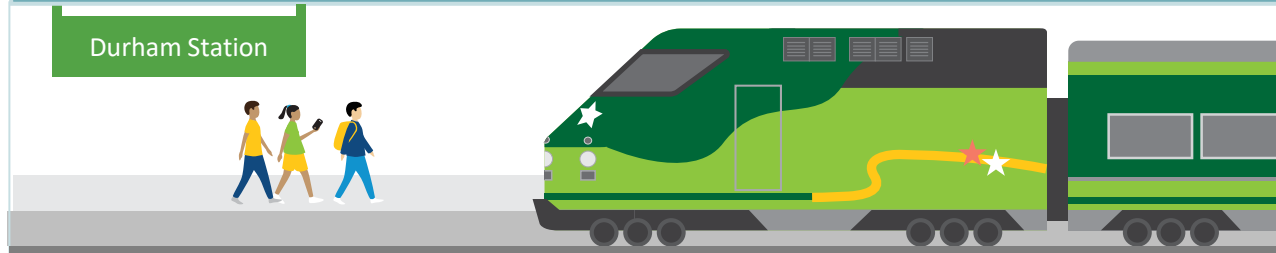
Enhance and Extend  
Bus Service  
**36%**



Note:  
Route 9 service to increase to 30 minutes in 2023 and to 15 minutes in 2026

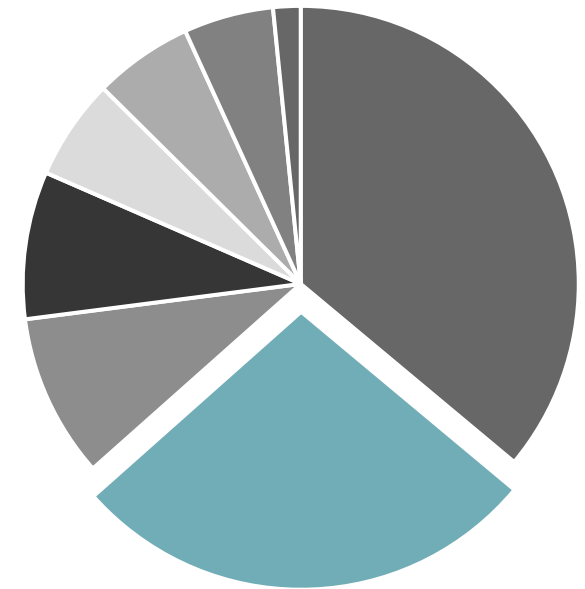


## Commuter Rail



- The funding in this bucket is primarily intended to support fast, reliable regional service through a commuter rail or other improvements.
- The Recommended Transit Plan includes a Durham County financial contribution to build and begin running commuter rail connecting to Durham to Wake County.
- The project details, overall funding plan, and schedule for implementation are not yet determined.
- The Greater Triangle Commuter Rail Planning Study is evaluating the potential for this project and is underway. When the study is complete, local partners in Durham, Wake, and Johnston Counties will decide whether and how to proceed with project implementation.

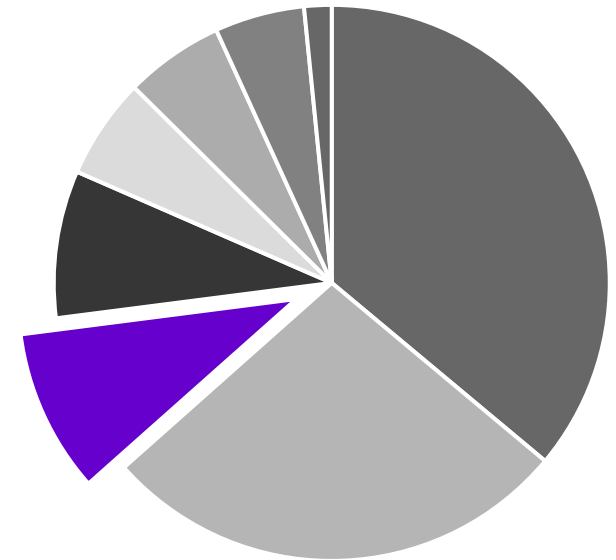
## Commuter Rail 27%



## Bus Stop Improvements & Transit Centers



### Bus Stop Improvements & Transit Centers 9%



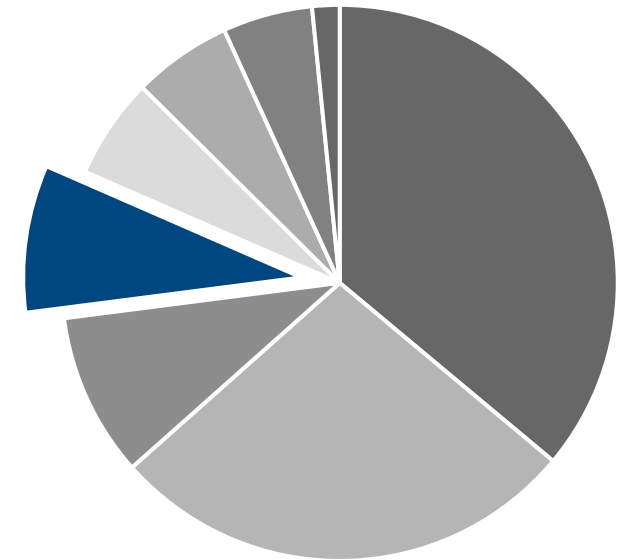
- Durham Station Improvements
- Countywide Bus Stop Improvements
- Village Transit Center
- North Duke Crossing Transit Center
- Regional Transit Center (RTC) Relocation
- Route 3 (Holloway) and Route 5 (Fayetteville) Bus Transit Corridors
- Route 4 (Roxboro), Route 9 (Avondale/Club/Dearborn), and Route 10 (Morehead/Chapel Hill Rd./University) Bus Transit Corridors

## More Routes Going More Places



- Chapel Hill Route D (Durham Share) connecting Patterson Place to Chapel Hill
- GoDurham Connect (Microtransit) East and North Zones
- Vanpools or transit options to North Durham employers
- Crosstown Route from North Durham to Duke/VA Hospital
- Crosstown East Durham/The Village to NCCU

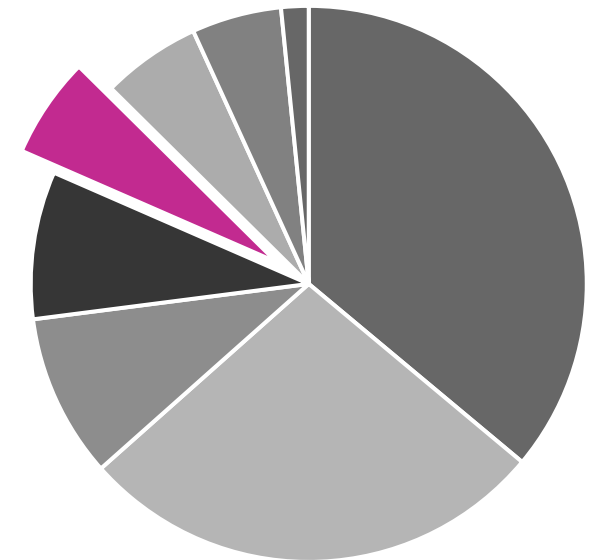
**More Routes Going  
More Places**  
**9%**



## Administration & Accountability



## Administration & Accountability 6%



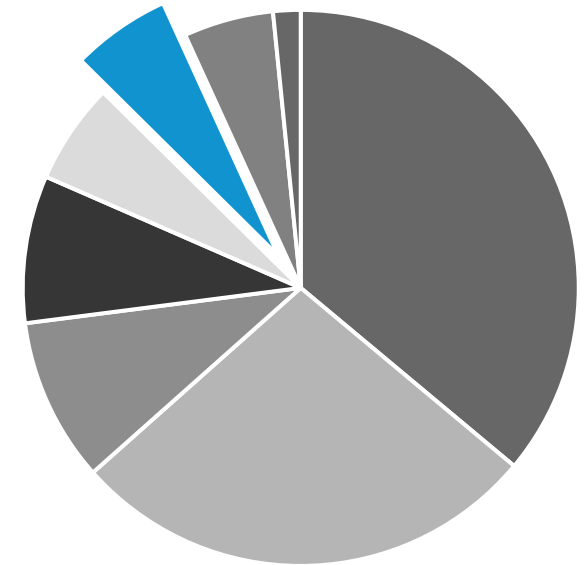
- Staff Working Group Administrator
- Tax District Administrator – Financial Oversight Staff
- Transit Plan Administration – Program Management Staff and Project Implementation Staff
- Durham County Transportation Manager
- Governance Study Recommendations
- Equitable contracting and transit-oriented development efforts

## Faster, More Reliable Bus Service



- Study for potential bus rapid transit (BRT) or bus speed and reliability infrastructure
- Bus Speed and Reliability Infrastructure (projects to help buses stay on schedule, such as traffic signal improvements, bus-only lanes, and adjusting bus stop spacing).
- Durham Station Transit Emphasis Zone

## Faster, More Reliable Bus Service 6%

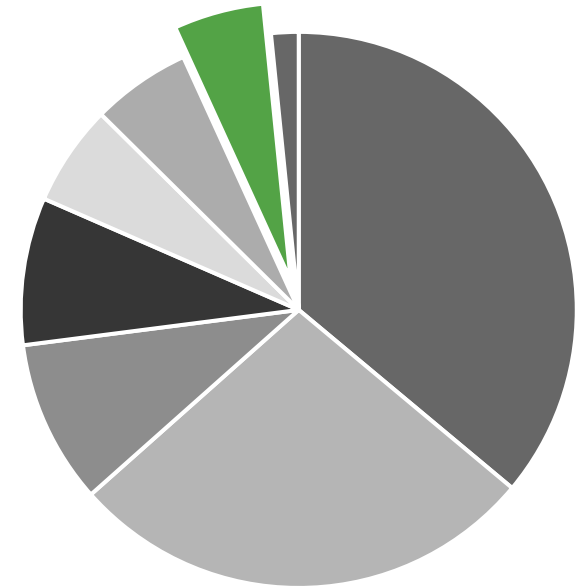


## Operations & Maintenance



- Bus and Paratransit (ACCESS) Maintenance Facilities
- Bus Purchases and Replacements
- New Electric Buses

## Operations & Maintenance 5%

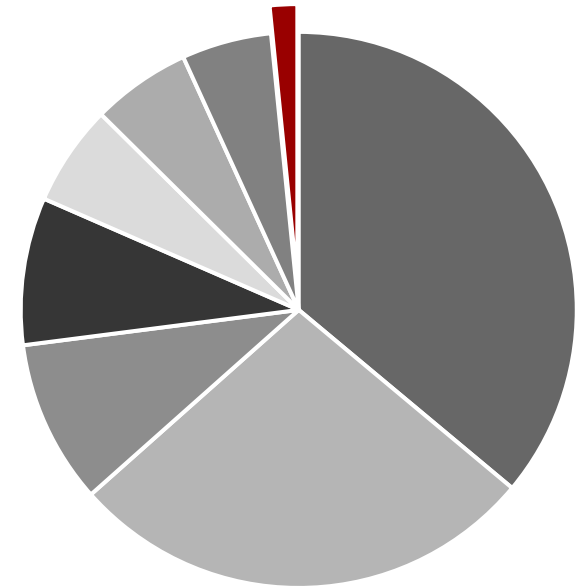


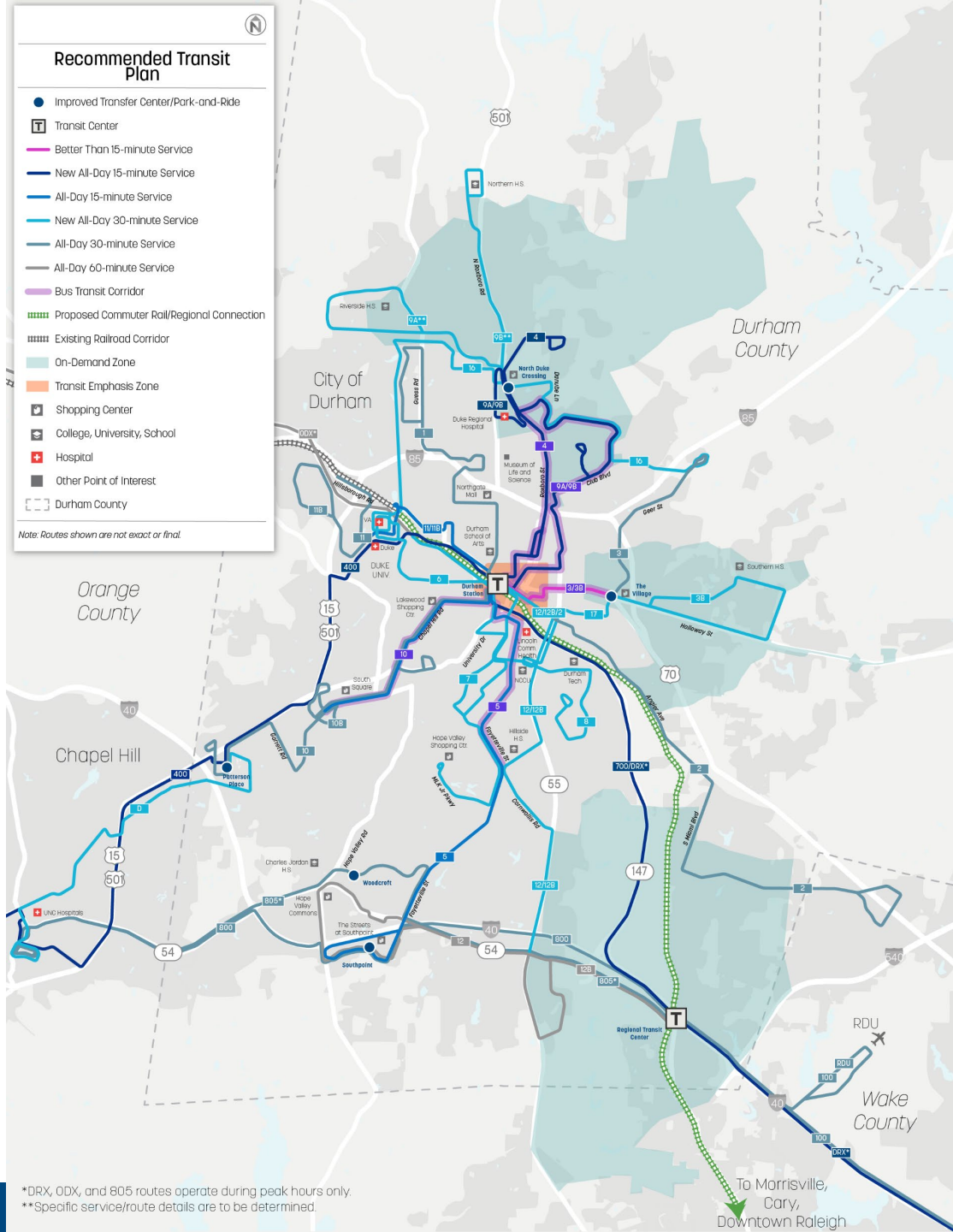
## Paratransit Improvements



- GoTriangle and GoDurham Paratransit Service Expansion (ACCESS)
- Food Access for Seniors Shuttle
- GoTriangle and GoDurham ACCESS Improvement Study

## Paratransit Improvements 2%







# Near-Term Projects

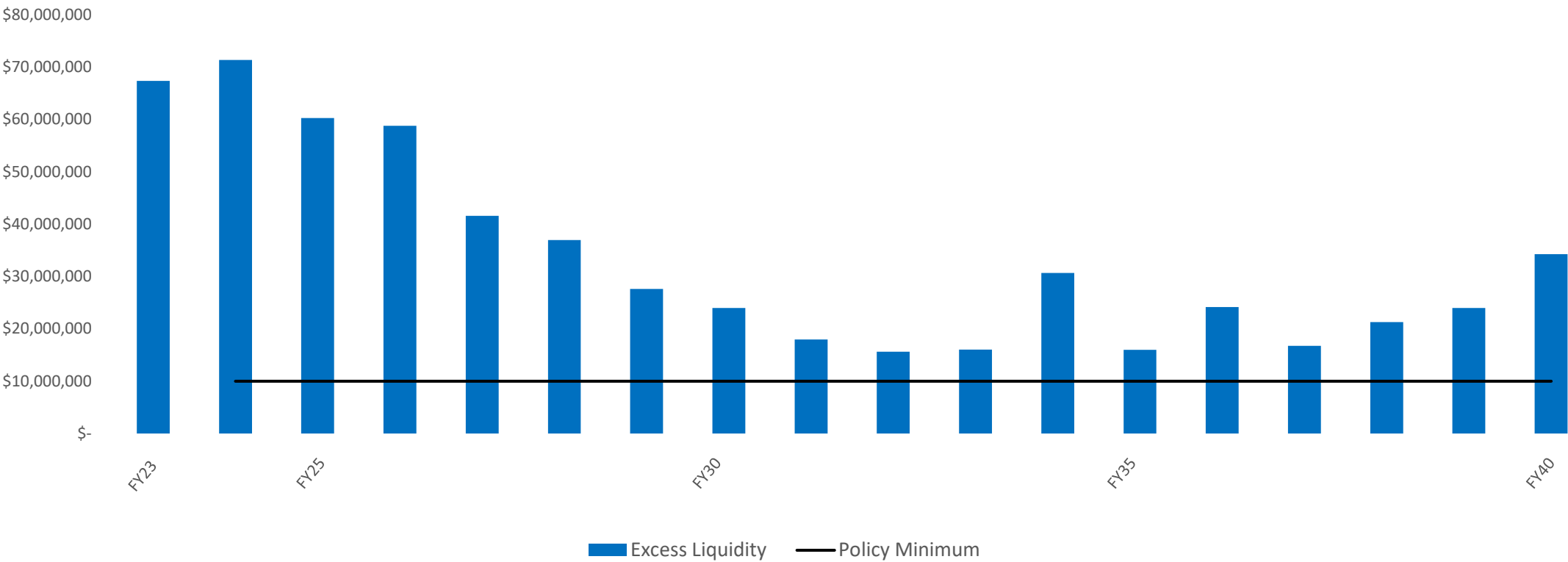
Over \$100 million planned to be spent on improvements and new projects in Durham County by 2027

- New East Durham/The Village to NCCU Crosstown Route
- Extend Sunday service to midnight
- 30-minute service on all GoDurham routes in the evenings and Sundays
- Improve Route 4 to run every 15-minutes and extend to Danube/Hebron
- Improve Route 9 to run every 15-minutes
- Additional midday service on Route 405
- North Duke Crossing Transit Center
- GoTriangle ACCESS and GoDurham ACCESS Improvement Study
- Construction of Durham Station Improvements
- Construction of Route 3 (Holloway) and Route 5 (Fayetteville) Bus Transit Corridors
- Bus Rapid Transit and Bus Speed and Reliability Infrastructure Study

# Financial Plan

Financial model meets requirements agreed to by GoTriangle and Durham County

*EXCESS CAPITAL LIQUIDITY*




# Implementation Metrics

- The Durham Transit Plan includes plan implementation metrics that will be collected and reported to the public and the governing boards.
- Examples of these metrics include:
  - Routes with extended evening service
  - Routes with additional 15-minute frequent service
  - Progress on a BRT Study and implementation
  - Progress on a GoDurham/GoTriangle ACCESS Study and implementation
  - Number of bus stops improvements
  - Miles of sidewalk constructed
- Reporting will occur regularly through bi-annual updates and potentially through a website application

# What is Next

- Adopt the Transit Plan Governance Study Implementation Agreement – November/December
- Present the final Durham County Transit Plan – November/December
- Release for public comment – end of November through December
- Public hearing at BOCC - December 12, 2022
- Adopt the Durham County Transit Plan - January
  - Durham County Board of Commissioners
  - DCHC MPO Board
  - GoTriangle Board of Trustees

# Plan Documentation

- Chapter 1 – Executive Summary
  - Chapter 2 – Existing Conditions
  - Chapter 3 – Public Outreach
  - Chapter 4 – Scenario Development
  - Chapter 5 – Plan and Implementation
  - Chapter 6 – Financial Assumptions
- 



# 01

## EXECUTIVE SUMMARY

PARTNERS

INTRODUCTION

CORE PRINCIPLES

PLAN GOALS

SUMMARY OF PLANNING PROCESS

PUBLIC ENGAGEMENT

FINAL RECOMMENDED PLAN

IMPLEMENTATION PLAN

# Questions?

**DURHAM • CHAPEL HILL • CARRBORO**  
**METROPOLITAN PLANNING ORGANIZATION**

101 City Hall Plaza • Durham, NC 27701 • Phone (919) 560-4366 • dchcmpo.org



**MEMORANDUM**

**TO:** DCHC MPO Board  
**FROM:** Doug Plachcinski, AICP, CFM, Executive Director  
**DATE:** November 1, 2022  
**RE:** **MPO BOARD DIRECTIVES + STAFF REPORT**

This memorandum updates the board on their directives and summarizes DCHC MPO Unified Planning Work Program (UPWP) tasks.

**MPO BOARD DIRECTIVES**

DATE	REQUEST	STATUS DETAILS
11-4-20	Develop a strategy to move forward on the 15/501 Corridor Study that addresses concerns about bicycle and pedestrian treatments along the corridor as well as additional outreach to local stakeholders.	<i>Underway.</i> NCDOT began an express design effort to reconsider the corridor interchange with I-40. Staff advised NCDOT consultant that non-motorized and transit access were critical, and that project analysis should involve local stakeholders.
10-13-21	Investigate potential options for a racial equity policy and/or framework for DCHC MPO.	<i>Pending.</i> Staff will investigate options and present them to the TC and Board in 2022.
12-15-21	Investigate the possibility of conducting a highway safety plan or other options for improving highway safety within the MPO.	<i>Underway.</i> MPO staff is working with NCDOT and local staff on a possible Safe Streets for All grant application. This application is due in September 2022.
4-13-22	Staff should address outstanding items regarding the Triangle Regional Model TRM) and work with the TRM team at ITRE to address those concerns. Staff should report back to the Board in spring 2023.	<i>Underway.</i> MPO staff is working with the four partner agencies and ITRE staff to address concerns.
5-11-22	Develop a set of specific recommendations for the legislative delegation to consider based on the DCHC-CAMPO adopted policy priorities for the 2023 General Assembly session.	<i>Underway.</i> Engaged with transportation policy advocates to review previous long session priorities and will bring forward ideas in November.

**UNIFIED PLANNING WORK PROGRAM TASKS**

**II – A. DATA AND PLANNING SUPPORT**

**II – A – 1 Networks and Support Systems**

1. Vehicle Miles of Travel

✓ Received



2. Street System Changes
3. Traffic Crashes and Safety Data
  - ✓ Successfully applied for SS4A grant to prepare regional safety strategy. Crash data is significant initial task. We will include safety in specific special studies for 23-24 UPWP.
4. Central Area Parking Inventory
5. Bicycle and Pedestrian Facilities & Counts Inventory
6. Network Data Collection
7. Capacity Deficiency Analysis
8. Land Use, Socio-Economic Environmental Data Analysis

## **II – A – 2 Travelers and Behavior**

- Dwelling Unit, Population, and Employment Changes
- Base Year Data Collection
- Travel Surveys
  - ✓ Regional household survey proceeding fall 2022
- Vehicle Occupancy Rates
- Travel Time Studies
- Annual Continuous Travel Behavior Surveys (Household Survey)

## **III – A – 3 Transportation Modeling**

- Travel Regional Model Enhancements
- Horizon Year Data Forecasts
- Financial Planning
- FTA STOPS and CIG Technical Analysis & Planning
- CommunityViz

## **II – B. PLANNING PROCESS**

### **II – B – 1: Targeted Planning**

- Air Quality Planning/Conformity Analysis
- Alternative Fuels/Vehicles
- Hazard Mitigation and Disaster Planning
- Congestion Mitigation Plan
  - ✓ Resolved contracting language with NCDOT. Preparing data for consultant analysis.
- Freight Movement/Mobility Planning
- Climate Change Planning
  - ✓ Participating in Triangle Cool Cities.

### **II – B – 2: Regional Planning**

- Metropolitan Transportation Plan

- Comprehensive Transportation Plan
- Racial Equity Planning

## **II – B – 3: Special Studies**

- US 15-501 Quad Section Corridor Study
  - ✓ NCDOT moved project into express design for next prioritization round.
- Durham Freeway Corridor Study
  - ✓ City of Durham developing community partner capacity.
- Orange County US 70 Corridor Study
  - ✓ We anticipate receiving the existing conditions report. Completing process documentation with NCDOT TPD.
- Durham County US 70 Corridor Study
  - ✓ Consultant developing public involvement focused on equity and defining data analysis framework for project-specific performance measures.

## **III – A. UNIFIED PLANNING WORK PROGRAM**

### **III-A-1: Unified Planning Work Program**

- Staff will begin the next UPWP adoption process and will discuss 23-24 UPWP elements with NCDOT, FHWA, and our regional partners. Will process an Amendment in November.

### **III-A-2: Metrics and Performance Measures**

- Staff reviewed and proposed targets for Federal transportation performance measures on transit vehicle state of good repair. Staff will perform a similar process for the upcoming emissions rulemaking.

## **III-B: TRANSPORTATION IMPROVEMENT PROGRAM**

### **III-B-1: Prioritization**

### **III-B-2: Metropolitan TIP**

- ✓ Initiated call for projects for upcoming funding year.

### **III-B-3: Merger and Project Development**

## **III-C: CIVIL RIGHTS COMPLIANCE (TITLE VI) AND OTHER REGULATORY REQUIREMENTS**

### **III- C-1: Title VI**

### **III-C-2: Environmental Justice**

### **III-C-3: Minority Business Enterprise Planning**

### **III-C-4: Planning for the Elderly and Disabled**

### **III-C-5: Safety/Drug Control Planning**

### **III-C-6: Public Participation**

### **III-C-7: Private Sector Participation**

## **III-D: STATEWIDE AND EXTRA-REGIONAL PLANNING**

- Staff will attend next NC AMPO meeting in December.

### **III-E: BOARD SUPPORT, MEMBER SERVICES, AND ADMINISTRATION**

- Governance Subcommittee subsequent meeting delayed  
Staff continues recruitment processes for vacant positions. One offer accepted.



HOME

CONTACT



NC DOT

NC DOH

NC GOV

## Users Guide

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<b>Contract Number:</b> C203394 <b>Division:</b> 5 <b>TIP Number:</b> U-0071 <b>Length:</b> 4.009 miles <b>NCDOT Contact:</b> Liam W. Shannon <b>Location Description:</b> EAST END CONNECTOR FROM NORTH OF NC-98 TO NC-147 (BUCK DEAN FREEWAY) IN DURHAM. <b>Contractor Name:</b> DRAGADOS USA INC <b>Contract Amount:</b> \$141,949,500.00 <b>Work Began:</b> 02/26/2015 <b>Original Completion Date:</b> 05/10/2020 <b>Latest Payment Thru:</b> 09/22/2022 <b>Latest Payment Date:</b> 10/03/2022		<b>Route:</b> I-885, NC-147, NC-98 US-70 <b>County:</b> Durham <b>Federal Aid Number:</b> <b>NCDOT Contact No:</b> (919)835-8200 <b>Letting Date:</b> 11/18/2014 <b>Revised Completion Date:</b> 02/26/2021 <b>Construction Progress:</b> 93.57%	
<b>Contract Number:</b> C203567 <b>Division:</b> 5 <b>TIP Number:</b> U-3308 <b>Length:</b> 1.134 miles <b>NCDOT Contact:</b> James M. Nordan, PE <b>Location Description:</b> NC-55 (ALSTON AVE) FROM NC-147 (BUCK DEAN FREEWAY) TO NORTH OF US-70BUS/NC-98 (HOLLOWAY ST). <b>Contractor Name:</b> ZACHRY CONSTRUCTION CORPORATION <b>Contract Amount:</b> \$39,756,916.81 <b>Work Began:</b> 10/05/2016 <b>Original Completion Date:</b> 03/30/2020 <b>Latest Payment Thru:</b> 10/15/2022 <b>Latest Payment Date:</b> 10/21/2022		<b>Route:</b> NC-55 <b>County:</b> Durham <b>Federal Aid Number:</b> STP-55(20) <b>NCDOT Contact No:</b> (919)317-4760 <b>Letting Date:</b> 07/19/2016 <b>Revised Completion Date:</b> 11/30/2022 <b>Construction Progress:</b> 78.99%	
<b>Contract Number:</b> C204211 <b>Division:</b> 5 <b>TIP Number:</b> U-5968 <b>Length:</b> 0.163 miles <b>NCDOT Contact:</b> James M. Nordan, PE <b>Location Description:</b> CITY OF DURHAM. <b>Contractor Name:</b> BROOKS BERRY HAYNIE & ASSOCIATES, INC. <b>Contract Amount:</b> \$19,062,229.77 <b>Work Began:</b> 02/18/2020 <b>Original Completion Date:</b> 08/01/2024 <b>Latest Payment Thru:</b> 09/30/2022 <b>Latest Payment Date:</b> 10/07/2022		<b>Route:</b> I-40, I-85, NC-55 NC-98, US-15, US-501 US-70 <b>County:</b> Durham <b>Federal Aid Number:</b> STBG-0505(084) <b>NCDOT Contact No:</b> (919)317-4760 <b>Letting Date:</b> 04/16/2019 <b>Revised Completion Date:</b> 04/09/2025 <b>Construction Progress:</b> 66.4%	
<b>Contract Number:</b> C204630		<b>Route:</b> SR-1110, SR-1158, SR-1308 SR-1454, SR-1457, SR-1458 SR-1521, SR-1550, SR-1558 SR-1559, SR-1566, SR-1578 SR-1582, SR-1593, SR-1640 SR-1669, SR-1675, SR-1709 SR-1753, SR-1754, SR-1775 SR-1778, SR-1779, SR-1791 SR-1792, SR-1814, SR-1825	

<div> <div>Division: 5</div> <div>TIP Number:</div> <div>Length: 25.324 miles</div> <div>NCDOT Contact: James M. Nordan, PE</div> <div>Location Description: 44 SECTIONS OF SECONDARY ROADS.</div> <div>Contractor Name: FSC II LLC DBA FRED SMITH COMPANY</div> <div>Contract Amount: \$5,523,385.60</div> <div>Work Began: 06/02/2021</div> <div>Original Completion Date: 11/15/2022</div> <div>Latest Payment Thru: 09/30/2022</div> <div>Latest Payment Date: 09/27/2022</div> </div>		<div> <div>SR-1827, SR-1926, SR-1945</div> <div>SR-2334, SR-2335, SR-2336</div> <div>SR-2354, SR-2355, SR-2356</div> <div>SR-2357, SR-2385, SR-2386</div> <div>SR-2443, SR-2444, SR-2619</div> <div>County: Durham</div> <div>Federal Aid Number: STATE FUNDED</div> <div>NCDOT Contact No: (919)317-4760</div> <div>Letting Date: 04/20/2021</div> <div>Revised Completion Date:</div> <div>Construction Progress: 86.44%</div> </div>
<div> <div>Contract Number: C204667</div> <div>Division: 5</div> <div>TIP Number:</div> <div>Length: 17.071 miles</div> <div>NCDOT Contact: James M. Nordan, PE</div> <div>Location Description: 1 SECTION OF US-70 BUSINESS, 1 SECTION OF NC-55, 2 SECTIONS OF NC-54, AND 27 SECTIONS OF SECONDARY ROADS.</div> <div>Contractor Name: CAROLINA SUNROCK LLC</div> <div>Contract Amount: \$5,049,647.81</div> <div>Work Began: 03/01/2022</div> <div>Original Completion Date: 08/01/2023</div> <div>Latest Payment Thru: 09/30/2022</div> <div>Latest Payment Date: 10/04/2022</div> </div>		<div> <div>Route: NC-54, NC-55, SR-1113</div> <div>SR-1118, SR-1121, SR-1369</div> <div>SR-1370, SR-1376, SR-1389</div> <div>SR-1390, SR-1391, SR-1392</div> <div>SR-1393, SR-1394, SR-1800</div> <div>SR-1801, SR-1807, SR-1823</div> <div>SR-1824, SR-1858, SR-1859</div> <div>SR-1869, SR-1880, SR-1901</div> <div>SR-2297, SR-2502, SR-2509</div> <div>US-70</div> <div>County: Durham</div> <div>Federal Aid Number: STATE FUNDED</div> <div>NCDOT Contact No: (919)317-4760</div> <div>Letting Date: 10/19/2021</div> <div>Revised Completion Date:</div> <div>Construction Progress: 8.85%</div> </div>
<div> <div>Contract Number: DE00310</div> <div>Division: 5</div> <div>TIP Number: U-0071</div> <div>Length: 20 miles</div> <div>NCDOT Contact: Liam W. Shannon</div> <div>Location Description: NC540 NC885 I885</div> <div>Contractor Name: TRAFFIC CONTROL SAFETY SERVICES INC</div> <div>Contract Amount: \$580,657.50</div> <div>Work Began: 04/26/2021</div> <div>Original Completion Date: 11/12/2021</div> <div>Latest Payment Thru: 08/07/2022</div> <div>Latest Payment Date: 08/18/2022</div> </div>		<div> <div>Route: I-885</div> <div>County: Durham</div> <div>Federal Aid Number: STATE FUNDED</div> <div>NCDOT Contact No: (919)835-8200</div> <div>Letting Date: 01/13/2021</div> <div>Revised Completion Date: 05/11/2022</div> <div>Construction Progress: 92.27%</div> </div>
<div> <div>Contract Number: DE00325</div> <div>Division: 5</div> <div>TIP Number:</div> <div>Length: 0.5 miles</div> <div>NCDOT Contact: Liam W. Shannon</div> <div>Location Description: NC 540 AND I 40 IN WESTERN WAKE COUNTY</div> <div>Contractor Name: TRAFFIC CONTROL SAFETY SERVICES INC</div> <div>Contract Amount: \$1,796,028.50</div> <div>Work Began: 01/26/2022</div> <div>Original Completion Date: 09/13/2023</div> <div>Latest Payment Thru: 02/15/2022</div> <div>Latest Payment Date: 02/24/2022</div> </div>		<div> <div>Route: I-540</div> <div>County: Durham</div> <div>Federal Aid Number: STATE FUNDED</div> <div>NCDOT Contact No: (919)835-8200</div> <div>Letting Date: 10/13/2021</div> <div>Revised Completion Date:</div> <div>Construction Progress: 18.75%</div> </div>
<div> <div>Contract Number: DE00327</div> </div>		<div> <div>Route: -, SR-1140, SR-1394</div> </div>

<b>Division:</b> 5	<b>County:</b> Durham
<b>TIP Number:</b>	
<b>Length:</b> 0 miles	<b>Federal Aid Number:</b> STATE FUNDED
<b>NCDOT Contact:</b> James M. Nordan, PE	<b>NCDOT Contact No:</b> (919)317-4760
<b>Location Description:</b> VARIOUS LOCATIONS IN DURHAM AND PERSON COUNTIES	
<b>Contractor Name:</b> WHITEHURST PAVING CO INC	
<b>Contract Amount:</b> \$0.00	
<b>Work Began:</b> 03/15/2023	<b>Letting Date:</b> 10/27/2021
<b>Original Completion Date:</b> 05/19/2023	<b>Revised Completion Date:</b>
<b>Latest Payment Thru:</b>	
<b>Latest Payment Date:</b>	<b>Construction Progress:</b> 0%

<b>Contract Number:</b> DE00346	<b>Route:</b> -, SR-1535, SR-1544 SR-1563
<b>Division:</b> 5	<b>County:</b> Durham
<b>TIP Number:</b>	
<b>Length:</b> 17.4 miles	<b>Federal Aid Number:</b> STATE FUNDED
<b>NCDOT Contact:</b> James M. Nordan, PE	<b>NCDOT Contact No:</b> (919)317-4760
<b>Location Description:</b> DURHAM AND PERSON COUNTY	
<b>Contractor Name:</b> WHITEHURST PAVING CO INC	
<b>Contract Amount:</b> \$0.00	
<b>Work Began:</b> 03/01/2023	<b>Letting Date:</b> 09/14/2022
<b>Original Completion Date:</b> 09/30/2024	<b>Revised Completion Date:</b>
<b>Latest Payment Thru:</b>	
<b>Latest Payment Date:</b>	<b>Construction Progress:</b> 0%



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**NCDOT DIVISION 5**  
**DURHAM PROJECT LIST \_ 5-YEAR PROGRAM**  
**October 14, 2022**

Project ID	Description	Letting Type	R/W Acq. Begins	Let Date	Project Manager Name	ROW \$	CONST \$	Comments
I-6010	I-85/US 15 DURHAM COUNTY FROM EAST OF SR 1827 (MIDLAND TERRACE) TO SR 1632 (RED MILL ROAD) IN DURHAM. ADD LANES.	Raleigh Letting (LET)	1/19/2029	1/1/2040	KATRINA FELTES	\$10,418,000	\$55,300,000	
U-5720A	US 70 (MIAMI BLVD) FROM LYNN ROAD TO SR 1959 (SOUTH MIAMI BOULEVARD/SR 1811 (SHERRON ROAD)	Raleigh Letting (LET)	7/17/2026	1/1/2040	KATRINA FELTES	\$46,400,000	\$36,500,000	
U-5720B	US 70 (MIAMI BLVD) AT SR 1959 (SOUTH MIAMI BOULEVARD)/SR 1811 (SHERRON ROAD)INTERSECTION	Raleigh Letting (LET)	7/17/2026	1/1/2040	KATRINA FELTES	\$140,500,000	\$81,700,000	
U-5774A	NC 54 FROM US 15/US 501. UPGRADE INTERCHANGE.	Raleigh Letting (LET)	1/1/2040	1/1/2040	KATRINA FELTES	\$2,800,000	\$16,100,000	
U-5774B	NC 54 FROM WEST OF US 15/US 501 IN ORANGE COUNTY TO EAST OFSR 1110 (E. BARBEE CHAPEL ROAD) IN DURHAM COUNTY. UPGRADE ROADWAY CORRIDOR.	Raleigh Letting (LET)	10/16/2026	1/1/2040	KATRINA FELTES	\$43,000,000	\$27,500,000	
U-5774C	NC 54 FROM EAST OF SR 1110 (E BARBEE CHAPEL ROAD) TO EAST OF LITTLE CREEK. UPGRADE ROADWAY CORRIDOR.	Raleigh Letting (LET)	10/20/2028	1/1/2040	KATRINA FELTES	\$934,000	\$11,600,000	
U-5774F	NC 54 FROM EAST OF LITTLE CREEK TO EAST OF I-40. UPGRADE ROADWAY CORRIDOR AND CONSTRUCT INTERCHANGE IMPROVEMENTS AT I-40.	Raleigh Letting (LET)	10/20/2028	1/1/2040	KATRINA FELTES	\$91,473,000	\$88,400,000	
U-5774G	NC 54 FROM EAST OF I-40 TO EAST OF NC 751. UPGRADE ROADWAYCORRIDOR.	Raleigh Letting (LET)	1/1/2040	1/1/2040	KATRINA FELTES	\$2,600,000	\$16,900,000	
U-5774H	NC 54 FROM EAST OF NC 751 TO EAST OF SR 1118 (FAYETTEVILLE ROAD). UPGRADE ROADWAY CORRIDOR.	Raleigh Letting (LET)	1/1/2040	1/1/2040	KATRINA FELTES	\$8,400,000	\$18,000,000	
U-5774I	NC 54 FROM EAST OF SR 1118 (FAYETTEVILLE ROAD)TO EAST OF SR1106 (BARBEE ROAD). UPGRADE ROADWAY CORRIDOR.	Raleigh Letting (LET)	1/1/2040	1/1/2040	KATRINA FELTES	\$13,200,000	\$12,300,000	
U-5774J	NC 54 FROM EAST SR 1106 (BARBEE ROAD) TO NC 55. UPGRADE ROADWAY CORRIDOR.	Raleigh Letting (LET)	1/1/2040	1/1/2040	KATRINA FELTES	\$15,800,000	\$17,100,000	
U-5937	NC 147 DURHAM FREEWAY, DURHAM COUNTY FROM SR 1127 (WEST CHAPEL HILL STREET) TO BRIGGS AVENUE IN DURHAM. CONSTRUCT AUXILIARY LANES AND OPERATIONAL IMPROVEMENTS.	Raleigh Letting (LET)	2/19/2027	1/1/2040	KATRINA FELTES	\$9,211,000	\$64,300,000	
U-6021	SR 1118 (FAYETTEVILLE ROAD),FROM WOODCROFT PARKWAY TO BARBEE ROAD IN DURHAM. WIDEN TO 4-LANE DIVIDED FACILITY WITH BICYCLE / PEDESTRIAN ACCOMMODATIONS.	Division Design Raleigh Let (DDRL)	2/16/2029	1/1/2040	BETH A. QUINN	\$4,158,000	\$15,200,000	Project is suspended. New MTP no longer matches scope of project porgrammed in STIP.
U-6067	US 15/US 501 DURHAM COUNTY FROM I-40 TO US 15/US 501 BUSINESS IN DURHAM UPGRADE CORRIDOR TO EXPRESSWAY.	Raleigh Letting (LET)	2/16/2029	1/1/2040	KATRINA FELTES	\$42,724,500	\$62,900,000	
U-6118	NC 55 FROM MERIDIAN PARKWAY TO I-40 INTERCHNAGE IN DURHAM	Division Design Raleigh Let (DDRL)	7/16/2027	1/1/2040	ZAHID BALOCH	\$300,000	\$4,800,000	Post-year project in current STIP.
U-6120	NC 98 (HOLLOWAY STREET) FROM SR 1938 (JUNCTION ROAD) TO SR 1919 (LYNN ROAD) IN DURHAM. CONSTRUCT SAFETY IMPROVEMENTS AND WIDEN TO ADD MEDIAN, BICYCLE LANES, SIDEWALKS, TRANSIT STOP IMPROVEMENTS, AND TRAFFIC SIGNALS WHERE NEEDED.	Division Design Raleigh Let (DDRL)	7/21/2028	1/1/2040	ZAHID BALOCH	\$7,000,000	\$10,000,000	Project is post-year in current STIP.
BP5-R083	BRIDGE 84 OVER CHUNKY PIE CREEK ON SR 1815 (FLETCHER'S CHAPEL ROAD)	Division POC Let (DPOC)		9/10/2030	Lisa B. Gilchrist, EI	\$22,284	\$445,678	
BP5-R116	BRIDGE 96 OVER BURDENS CREEK ON SR 1945 (S ALSTON AVENUE)	Division POC Let (DPOC)		7/11/2029	Lisa B. Gilchrist, EI	\$51,070	\$1,021,398	
BP5-R142	PIPE TO BRIDGE ON (SR 1800) HEREFORD ROAD	Division POC Let (DPOC)		7/11/2029	Lisa B. Gilchrist, EI	\$75,000	\$1,500,000	
I-6006	I-40 DURHAM/WAKE COUNTIES FROM NC 54 (EXIT 273) TO SR 1728 (WADE AVENUE). CONVERT FACILITY TO A MANAGED FREEWAY WITH RAMP METERING AND OTHER ATM / ITS COMPONETS.	Raleigh Letting (LET)	1/21/2028	1/16/2029	DAVID S. WEBB	\$500,000	\$115,000,000	
BP5-R134	BRIDGE 82 OVER LICK CREEK ON SR 1815 (N MINERAL SPRINGS ROAD)	Division POC Let (DPOC)		8/9/2028	Lisa B. Gilchrist, EI	\$37,883	\$757,651	

**NCDOT DIVISION 5**  
**DURHAM PROJECT LIST \_ 5-YEAR PROGRAM**  
**October 14, 2022**

Project ID	Description	Letting Type	R/W Acq. Begins	Let Date	Project Manager Name	ROW \$	CONST \$	Comments
BP5-R133	BRIDGE 49 OVER ENO RIVER ON SR 1401 (COLE MILL ROAD)	Division POC Let (DPOC)		7/26/2028	Lisa B. Gilchrist, EI	\$165,696	\$3,313,920	
I-5942	I-85 /US 15 FROM NORTH OF SR 1827 (MIDLAND TERRACE) IN DURHAM COUNTY TO NORTH OF NC 56 IN GRANVILLE COUNTY PAVEMENT REHABILITATION	Division Design Raleigh Let (DDRL)		12/21/2027	MICHAEL KNEIS		\$9,187,000	
U-5934	NC 147 FROM I-40 TO FUTURE I-885(EAST END CONNECTOR)IN DURHAM ADD LANES AND REHABILITATE PAVEMENT	Design Build Let (DBL)	10/19/2027	10/19/2027	KATRINA FELTES	\$0	\$142,300,000	
P-5706	NORFOLK SOUTHERN H LINE, EAST DURHAM RAILROAD SAFETY PROJECT. PROJECT WILL STRAIGHTEN EXISTING RAILROAD CURVATURE BETWEEN CP NELSON AND CP EAST DURHAM AND INCLUDES A COMBINATION OFGRADE SEPARATIONS AND CLOSURES AT ELLIS ROAD SOUTH END CROSSING (734737A), GLOVER ROAD (734735L), AND WRENN ROAD (734736	Raleigh Letting (LET)	10/3/2022	1/19/2027	BRAD SMYTHE	\$9,327,000	\$33,173,000	
U-5516	AT US 501 (ROXBORO ROAD) TO SR 1448 (LATTA ROAD) / SR 1639 (INFINITY ROAD) INTERSECTION IN DURHAM. INTERSECTION IMPROVEMENTS.	Division Design Raleigh Let (DDRL)	10/18/2024	10/20/2026	JOHN W. BRAXTON	\$9,290,500	\$12,400,000	Project is suspended and will resume in time to meet scheduled ROW date.
I-5707	I-40 - FROM NC 55 (ALSTON AVENUE) TO NC 147 (DURHAM FREEWAY/TRIANGLE EXPRESSWAY) IN DURHAM	Raleigh Letting (LET)	10/20/2023	6/16/2026	KATRINA FELTES	\$900,000	\$8,200,000	
BP5-R084	BRIDGE 61 OVER MOUNTAIN CREEK ON SR 1464 (S LOWELL ROAD)	Division POC Let (DPOC)		4/8/2026	Lisa B. Gilchrist, EI	\$20,948	\$418,968	
I-6000	I-540 - DURHAM/WAKE COUNTIES FROM I-40 IN DURHAM TO US 1 INRALEIGH. BRIDGE PRESERVATION/REHABILITATION. COORDINATE WITH I-5998 & I-5999	Division Design Raleigh Let (DDRL)		11/18/2025	MICHAEL KNEIS		\$7,600,000	
U-5717	US 15 / US 501 DURHAM CHAPEL-HILL BOULEVARD AND SR 1116 (GARRETT ROAD) CONVERTING THE AT-GRADE INTERSECTION TO AN INTERCHANGE	Division Design Raleigh Let (DDRL)	4/23/2019	10/21/2025	JOHN W. BRAXTON	\$20,413,786	\$32,000,000	ROW acquisition will resume soon in order to meet scheduled let date.
HS-2005N	NC 98 AT SR 1919 (LYNN ROAD). TURN LANE CONSTRUCTION.	Division POC Let (DPOC)	12/15/2023	3/26/2025	STEPHEN REID DAV	\$500,000	\$1,785,000	Funding to be released in Fall 2022. Agreement with City needed.
15BPR.70	Rehab Brgs 310132, 310179, 310185, 310048 and 310422	Raleigh Letting (LET)		3/18/2025	Kristy Alford, PE			
I-5995	I-40 - DURHAM/WAKE COUNTIES FROM EAST OF NC 147 TO SR 1728 (WADE AVENUE). PAVEMENT REHABILITATION. INCLUDE I-5996.	Division Design Raleigh Let (DDRL)		1/21/2025	MICHAEL KNEIS		\$14,900,000	
I-5998	I-540 - DURHAM/WAKE COUNTIES FROM I-40 IN DURHAM TO US 70 IN RALEIGH. PAVEMENT REHABILITATION. COORDINATE WITH I-5999 &I-6000.	Division Design Raleigh Let (DDRL)		12/17/2024	MICHAEL KNEIS		\$15,000,000	
B-5674	REPLACE BRIDGE 80 OVER SR 1308 IN DURHAM ON US 15-501 NORTHBOUND	Raleigh Letting (LET)	8/15/2023	10/15/2024	KEVIN FISCHER	\$110,000	\$2,209,000	
BP5-R117	BRIDGE 110 OVER LITTLE CREEK ON SR 1110 (FARRINGTON ROAD)	Division POC Let (DPOC)		9/11/2024	Lisa B. Gilchrist, EI	\$185,481	\$3,709,612	
SM-5705AH	NC 98 at SR 1815 (Mineral Springs Road).,,Construct right turn lanes on both approaches of SR 1815 (Mineral Springs Road).	Division POC Let (DPOC)	2/10/2023	4/10/2024	Stephen Davidson		\$560,000	
I-5941	I-85 FROM ORANGE COUNTY LINE TO US 15 /US 501 IN DURHAM PAVEMENT REHABILITATION	Division Design Raleigh Let (DDRL)		12/19/2023	MICHAEL KNEIS		\$16,800,000	
I-5993	I-40 - DURHAM COUNTY FROM US 15/US 501 TO EAST OF NC 147 (COMB W/I-5994).PAVEMENT REHABILITAION.	Division Design Raleigh Let (DDRL)		12/19/2023	MICHAEL KNEIS		\$38,600,000	
P-5717	NORFOLK SOUTHER H LINE CROSSING 734742W AT SR 1121 (CORNWALLIS ROAD) IN DURHAM. CONSTRUCT GRADE SEPARATION.	Raleigh Letting (LET)	9/22/2021	12/19/2023	KUMAR TRIVEDI	\$4,378,000	\$23,100,000	
HS-2005L	SR 1327 (GREGSON STREET) AT KNOX STREET. INSTALL TRAFFIC SIGNAL.	Division POC Let (DPOC)		10/25/2023	ASHLEY LOWERY		\$110,000	
HE-0007A	SR 1004 (OLD OXFORD ROAD) FROM FIRST AVE (MERCK DRIVEWAY). CONSTRUCT RIGHT TURN LANE.	Division POC Let (DPOC)		6/28/2023	JOHN EDWARD SANDOR		\$165,000	
HE-0007B	SR 1794 (TEKNIKA PARKWAY), FROM SR 1632 (RED MILL ROAD) CONSTRUCT TURN LANES AND SIGNALIZE INTERSECTION.	Division POC Let (DPOC)	12/29/2022	6/28/2023	MICHAEL KNEIS	\$95,000	\$815,000	Concept designs under development. Land surveys initiated.



**NCDOT DIVISION 5**  
**DURHAM PROJECT LIST \_ 5-YEAR PROGRAM**  
**October 14, 2022**

Project ID	Description	Letting Type	R/W Acq. Begins	Let Date	Project Manager Name	ROW \$	CONST \$	Comments
SS-6005AE	US 70 at Angier Ave	On Call Contract (OCC)		5/10/2023	Stephen Davidson			Coordination with law enforcement resulted in additional recommendations for project improvements. Additional funding has been requested to expand scope of project.
W-5705T	SR 1815 / SR 1917 (SOUTH MINERAL SPRINGS ROAD) AT SR 1815 (PLEASANT DRIVE)	Division POC Let (DPOC)	11/3/2021	4/12/2023	STEPHEN REID DAV	\$85,000	\$800,000	CE document completed. Project on-hold pending coordination with nearby development.
HS-2005M	NC 55 (ALSTON AVENUE) AT SR 1670 (GEER STREET). REVISE TRAFFIC SIGNAL AND INSTALL PEDESTRIAN SIGNAL HEADS.	Division POC Let (DPOC)		3/22/2023	ASHLEY LOWERY		\$62,000	
HS-2005H	SR 1973 (PAGE ROAD) AT CHURCHILL HALL/Aat Churchill HALL/ARBY'S /MCDONALDS DRIVEWAY. INSTLL DIRECTIONAL CROSSOVER.	Division POC Let (DPOC)		2/22/2023	ASHLEY LOWERY		\$20,000	
51215.01Z	Emergency Pipe Removal on SR 1800 (Hereford Road)	Division POC Let (DPOC)		12/14/2022	Lisa B. Gilchrist, EI			
HS-2005D	SR 1303 (PICKETT ROAD) AT SR 1116 (GARRETT ROAD)/(LUNA LANE). INSTALL TRAFFIC SIGNAL.	On Call Contract (OCC)	10/21/2022	11/23/2022	ASHLEY LOWERY	\$2,000	\$100,000	
HS-2005C	NC 54 AT NC 55	Division POC Let (DPOC)		11/9/2022	ASHLEY LOWERY		\$75,000	
HS-2005E	US 15-501 BUSINESS AT NC 751 (DURHAM - CHAPEL HILL BOULEVARD). INSTALLI GUARDRAIL.	On Call Contract (OCC)		10/24/2022	ASHLEY LOWERY	\$5,000	\$175,000	

## NCDOT DIV 7 PROJECTS LOCATED IN DCHCMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	LET/Start Date	Completion Date	Cost	Status	Project Lead
SS-6007AD 49823.1.1 49823.3.1	Convert intersection from two way stop to all way stop at the intersection of SR 1710 (Old NC 10) and SR 1712 (University Station Road) west of Durham	5/31/2022	Sep. 2022	\$28,000	Construction completed - pending final inspection	Dawn McPherson
SS-6207A 50337	NC 54 Pedestrian improvements between SR 1902 (Manning Drive) and SR 1937 (Old Fayetteville Road) in Chapel Hill and Carrboro. Improvements will include refuge islands, crosswalks and pedestrian signals. Improvements to be completed by state forces.	10/31/2022	6/30/2023	\$171,000	Planning and design activities underway	Dawn McPherson
EB-5721	Upgrade existing off-road path and construct new section of path of Bicycle Route #1 from Cleland Drive to Willow Drive in Chapel Hill	1/26/2023	FY2025	\$2,400,000	Planning and design activities underway	Town of Chapel Hill/Stephen Robinson
BL-0044 49998.1.1	NC 54 from Westbrook Drive in Carrboro to west of US 15/501/NC 86 (South Columbia Street) interchange in Chapel Hill. Construct sidewalk and install pedestrian signals, crosswalks, and refuge islands at selected locations.	2/16/2023	2/28/2024	\$1,311,000	Planning and design activities underway	Chad Reimakoski
U-4726DF	Bicycle detection at signalized intersections in Carrboro	4/30/2023	FY2025	\$36,000	Planning and design activities underway	Town of Carrboro/Stephen Robinson
U-4726IK	Construct sidewalk/MUP on Homestead Road from Seawell School Road to Weaver Dairy Road in Chapel Hill	4/1/2023	FY2025	\$1,300,000	Planning and design activities underway	Town of Chapel Hill/Stephen Robinson
C-5181	Jones Creek Greenway Project - Fill Gap between the Carrboro Upper Bolin Trail and Twin Creeks Greenway and also implement program to support on-vehicle trips to Morris Grove Elementary School	6/30/2023	FY2025	\$654,000	Planning and design activities underway	Town of Carrboro/Stephen Robinson
P-5701 46395.1.1 46395.3.1	Construct Platform, Passenger Rail Station Building at Milepost 41.7 Norfolk Southern H-line in <b>Hillsborough</b>	6/30/2023	FY2025	\$7,200,000	PE funding scheduled 7/1/2020	Matthew Simmons
EL-4828A	Construct Morgan Creek Greenway Phase 1 in Carrboro	7/31/2023	FY2026	\$372,000	Planning and design activities underway	Town of Carrboro/Stephen Robinson

## NCDOT DIV 7 PROJECTS LOCATED IN DCHCMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	LET/Start Date	Completion Date	Cost	Status	Project Lead
HL-0045	Repair Bridge #241 on Exchange Park Lane over Eno River from South Churton Street to Faribault Lane in Hillsborough	8/31/2023	FY2026	\$153,800	Planning and design activities underway	Town of Hillsborough/Stephen Robinson
C-5650	Construct sidewalk on one side of SR 1919 (Smith Level Road/S. Greensboro St.) from Public Works Drive to the northern end of Old Pittsboro Road in Carrboro	3/19/2024	FY2026	\$1,718,000	Planning and design activities underway	Town of Carrboro/Stephen Robinson
BR-0091	Replace Bridge #32 on US 70 over the Eno River	4/16/2024	FY2027	\$4,000,000	Planning and design activities underway	Laura Sutton
B-6037	Replace Bridge #49 over Norfolk Southern Railway on NC	1/21/2025	FY2028	\$2,500,000	Planning and design activities underway	Brian Ketner
BR-0092	Replace Bridge #37 on NC 86 over New Hope Creek	8/19/2025	FY2028	\$4,100,000	Planning and design activities underway	Laura Sutton
EB-5886B	Construct sidewalk/MUP/bike lanes on Estes Drive from south of Norfolk Southern Railroad to NC 86 (MLK Jr. Blvd.) in Chapel Hill	9/18/2025	FY2027	\$3,104,000	Planning and design activities pending	Town of Chapel Hill/Stephen Robinson
EB-5880	Construct sidewalk on the north side of SR 1005 (Jones Ferry Road) from Davie Road to SR 1010 (West Main St.) in Carrboro	9/30/2025	FY2027	\$441,000	Planning and design activities underway	Town of Carrboro/Stephen Robinson
EB-5890	Construct sidewalk on Barnes Street from King Street to SR 1005 (Jones Ferry Road) in Carrboro	9/30/2025	FY2027	\$230,000	Planning and design activities pending	Town of Carrboro/Stephen Robinson
BP7-R007	Replace Bridge #63 on Pleasant Green Road	10/2/2025	FY2028	\$2,500,000	Planning and design activities underway	Tim Powers
I-3306AC	I-40 at NC 86 - Upgrade to superstreet from Northwood Drive to Ramp C/D at I-40 interchange	10/21/2025	FY2028	\$4,350,000	Planning and design activities underway	Laura Sutton
BP7-R009	Replace Bridge #11 on SR 1336 (Halls Mill Road)	11/6/2025	FY2028	\$1,100,000	Planning and design activities underway	Tim Powers
BP7-R013	Replace Bridge #90 on SR 1940 (Damascus Church Road)	9/3/2026	FY2029	\$800,000	Planning and design activities underway	Tim Powers

## NCDOT DIV 7 PROJECTS LOCATED IN DCHCMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	LET/Start Date	Completion Date	Cost	Status	Project Lead
EB-5998	Construct MUP on US 15/501 from Willow Drive to SR 1741/SR 1838 (Old Durham Chapel Hill Road) in Chapel Hill	9/30/2026	FY2028	\$2,044,000	Planning and design activities pending	Town of Chapel Hill/Stephen Robinson
EB-5886A	Construct sidewalk/MUP/bike lanes on Estes Drive from SR 1772 (North Greensboro Street) to south of Norfolk Southern Railroad Tracks in the Town of Carrboro	9/17/2026	FY2029	\$848,000	Planning and design activities pending	Town of Carrboro/Stephen Robinson
BP7-R015	Replace Bridge #86 on SR 1942 (Jones Ferry Road)	10/1/2026	FY2029	\$1,700,000	Planning and design activities underway	Tim Powers
I-5958 45910.1.1 45910.3.1	Pavement Rehabilitation on I-40/I-85 from West of SR 1114 (Buckhorn Road) to West of SR 1006 (Orange Grove Road)	11/17/2026	FY2028	\$8,690,000	PE funding approved 10/10/17	Chad Reimakoski
B-5733	Replace Bridge #39 over Booker Creek in Chapel Hill on SR 1010 (E. Franklin St.)	1/19/2027	FY2029	\$5,100,000	Planning and design activities pending	Kevin Fischer
I-5967 45917.1.1 45917.2.1 45917.3.1	Interchange improvements at I-85 and SR 1009 (South Churton Street) in <b>Hillsborough</b>	10/19/2027	FY2030	\$16,900,000	PE funding approved 9/8/17, Planning and Design activities underway, Coordinate with I-0305 and U-5845	Laura Sutton
I-5959 45911.1.1 45911.3.1	Pavement Rehabilitation on I-85 from West of SR 1006 (Orange Grove Road) to Durham County line	11/16/2027	FY2029	\$11,156,000	PE funding approved 10/10/17, Coordinate with I-5967, I-5984 and I-0305	Chad Reimakoski
R-5821A 47093.1.2 47093.2.2 47093.3.2	Construct operational improvements including Bicycle/Pedestrian accommodations on NC 54 from SR 1006 (Orange Grove Road) to SR 1107 /SR 1937 (Old Fayetteville Road).	6/20/2028	FY2031	\$7,000,000	PE funding approved 10/10/17, design activities currently suspended, Coordinating with NC54 West Corridor Study	Rob Weisz

## NCDOT DIV 7 PROJECTS LOCATED IN DCHCMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	LET/Start Date	Completion Date	Cost	Status	Project Lead
U-5845 50235.1.1 50235.2.1 50235.3.1	Widen SR 1009 (South Churton Street) to multi-lanes from I-40 to Eno River in <b>Hillsborough</b>	7/18/2028	FY2031	\$49,238,000	PE funding approved 5/14/15, Planning and Design activities underway, Coordinate with I-5967	Laura Sutton
I-5984 47530.1.1 47530.2.1 47530.3.1	Interchange improvements at I-85 and NC 86 in <b>Hillsborough</b>	11/21/2028	FY2031	\$20,900,000	PE funding approved 10/10/17, Planning and Design activities underway, Coordinate with I-0305 and I-5959	Laura Sutton
I-0305 34142.1.2 34142.2.2 34142.3.2	Widening of I-85 from west of SR1006 (Orange Grove Road) in Orange Co. to west of SR 1400 (Sparger Road) in Orange Co.	1/1/2040	FY2044	\$132,000,000	PE funding approved 6/5/18, Planning and design activities underway, Project reinstated per 2020-2029 STIP (funded project) and delete project I-5983	Laura Sutton

## North Carolina Department of Transportation

10/13/2022

## Active Projects Under Construction - Orange Co.

Contract Number	TIP Number	Location Description	Contractor Name	Resident Engineer	Contract Bid Amount	Availability Date	Completion Date	Work Start Date	Estimated Completion Date	Progress Schedule Percent	Completion Percent
C202581	EB-4707A	IMPROVEMENTS ON SR-1838/SR-2220 FROM US-15/501 IN ORANGE COUNTY TO SR-1113 IN DURHAM COUNTY. DIVISION 5	S T WOOTEN CORPORATION	Nordan, PE, James M	\$4,614,460.00	5/28/2019	2/15/2021	5/28/2019	11/30/2022	100	89.38
C204078	B-4962	REPLACE BRIDGE #46 OVER ENO RIVER ON US-70 BYPASS.	CONTI ENTERPRISES, INC	Howell, Bobby J	\$4,863,757.00	5/28/2019	12/28/2021	6/19/2019	10/31/2022	100	95
C204632	I-3306A	WIDENING I-40 FROM I-85 IN ORANGE COUNTY TO THE DURHAM COUNTY LINE AND I-40 WESTBOUND IN DURHAM COUNTY NEAR US-15/501.	THE LANE CONSTRUCTION CORPORATION	Cvijetic, PE, Bojan	\$236,457,869.00	9/27/2021	9/1/2025	10/28/2021	9/1/2025	11.32	11.32
DG00483		RESURFACE SR 1010 (MAIN STREET/FRANKLIN STREET) FROM SR 1005 (JONES FERRY ROAD) TO NC 86 (COLUMBIA STREET)	CAROLINA SUNROCK LLC	Howell, Bobby J	\$845,631.59	5/18/2019	8/7/2020	5/23/2022	10/31/2022	100.00	91.33
DG00520	R-5787F	INSTALLATION OF ADA COMPLIANT CURB RAMPS AT VARIOUS ROUTES	DOT CONSTRUCTION INC	Howell, Bobby J	\$1,271,240.40	5/10/2021	4/14/2023	1/25/2022	4/14/2023	72.2	44.68
DG00534		REPLACE BRIDGE #99 OVER NEW HOPE CREEK ON SR 1723 (NEW HOPE CHURCH ROAD)	CONTI ENTERPRISES, INC	Howell, Bobby J	\$1,108,442.00	1/3/2022	11/3/2022	5/9/2022	11/30/2022	99.92	42.74
DG00547		RESURFACE A SECTION OF NC 49 & 6 SECONDARY ROADS IN ORANGE COUNTY	FSC II LLC DBA FRED SMITH COMPANY	Howell, Bobby J	\$4,299,745.38	4/1/2022	10/31/2022	4/1/2022	10/31/2022	86	97.6
DG00550		AST TREATMENT OF 32 SECONDARY ROADS IN ORANGE COUNTY	WHITEHURST PAVING CO INC.	Howell, Bobby J	\$1,840,813.26	4/1/2022	10/31/2022	8/16/2022	10/31/2022	90	80.23
DG00554		RESURFACE A SECTION OF NC 54 & 14 SECONDARY ROADS IN ORANGE COUNTY	FSC II LLC DBA FRED SMITH COMPANY	Howell, Bobby J	\$3,755,101.19	4/1/2022	10/31/2022	4/28/2022	10/31/2022	85	97.45



Chatham County - DCHC MPO - Active Projects - Division 8--November 2022								
Contract # or WBS # or TIP #	Route	Description	Let Date	Completion Date	Contractor	Project Admin.	Project Cost	Notes
R-5825 DH00342	NC 751 at SR 1731 (O'Kelly Chapel Road)	Upgrade and Realign Intersection	4/12/2022 Advertised	4/28/2023	S T Wooten Corp	Gary Phillips (919) 776-9623	\$925,415	Project 83% complete
Chatham County - DCHC MPO - Upcoming Projects - Planning & Design, R/W, or not started - Division 8--November 2022 Revised Draft STIP in RED								
Contract # or WBS # or TIP #	Route	Description	Let Date	Completion Date	Contractor	Project Admin.	Funds Needed	Notes
U-6192	US 15-501	Convert to reduced conflict intersections from US 64 to SR 1919 (Smith Level Rd)	After 2031 FY 2030	TBD	TBD	Greg Davis (910) 773-8022	\$117,700,000 to be updated	Right of Way FY 2026 FY 2027



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LOCAL

## How often do you get a green light? Raleigh rates high in national traffic signal study

BY RICHARD STRADLING

UPDATED OCTOBER 19, 2022 1:00 PM



Traffic passes through the intersection of Peace and West streets in downtown Raleigh in this file photo from April 2016.  
NEWS & OBSERVER FILE PHOTO [hlynch@newsobserver.com](mailto:hlynch@newsobserver.com)



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*RALEIGH*

If it sometimes feels like every traffic light you hit is red, a new national study out of Texas suggests it could be a lot worse.

It turns out the Raleigh metro area has among the most efficient traffic signals in the entire country, and drivers here are more than twice as likely to get a green light as red, according to researchers at the [Texas A&M Transportation Institute](#).

Using crowd-sourced data gathered in the fall of 2020 by the [analytics company INRIX](#), the researchers determined the chances that a signal would be green at a sampling of intersections in each metro area. They used that number to create a “traffic signal efficiency index” — essentially the number of times more likely it is that a driver will get a green light than a red one.

“American drivers share a common experience — and sometimes a common frustration — with traffic signals every day,” Luke Albert, a research engineer at the institute, said in a written statement. “We’ve developed a way to compare those experiences from one city to another.”

Out of 97 metro areas across the country, [Raleigh had the second highest index score](#), trailing only Boulder, Colorado. Drivers at the signals studied here found them green 69% of the time, for a score of 2.29. The national average was 1.7.

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The researchers also calculated the average time all vehicles passing through an intersection were delayed, whether they got a green light or not. In Raleigh, the average delay was 13.4 seconds.

In Fresno, California, the metro area with the poorest efficiency rating, drivers got green lights 53% of the time, for an index score of 1.14, and were delayed 20.6 seconds on average.

The study looked at Raleigh and parts of Wake County with at least 1,000 residents per square mile, according to Albert. The organization focused on about 100 urban areas it has studied intensively in the past, Albert said, and that did not include Durham or Chapel Hill.

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Greensboro rated nearly as well as Raleigh, with an index score of 2.25, while Winston-Salem and Charlotte were about average, at 1.79 and 1.72 respectively.

### COVID-19 PANDEMIC INFLUENCE STUDY RESULTS

The Texas A&M researchers say this is the first study of its kind and that one of the goals was to show that it was even possible. Before crowd-sourcing data, collected from INRIX apps and GPS devices on cars for the institute's [annual Urban Mobility Report](#), traffic engineers had to visit individual intersections or set up cameras or other equipment.

The data was collected at about 210,000 traffic lights nationwide during one week in October 2020, at a time when traffic patterns were still very much affected by the COVID-19 pandemic. Researchers say college towns such as Boulder and perhaps Raleigh were bound to do better than they might otherwise because many students were still taking classes remotely.

The researchers also found that traffic signals appeared to perform better when there were a lot of them, compared to urban areas with “less traffic signal density.” They also noted that some communities have different goals when it comes to traffic,

placing more emphasis on pedestrians, cyclists and transit than timing their traffic lights to keep cars moving.

The target audience for the study is not so much the public as it is local transportation agencies that might see who is doing better and seek to learn from them, Albert said.

“Crowd-sourced data, like this information from INRIX on how traffic signals are working, gives people making travel decisions much more detailed information and more quickly than in the past when engineers had to go stand on the side of the road to watch traffic or install expensive equipment,” he wrote.

To read the full study, go to <https://bit.ly/3TaImsU>.

This story was originally published October 18, 2022 3:51 PM.

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RICHARD STRADLING



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Richard Stradling covers transportation for The News & Observer. Planes, trains and automobiles, plus ferries, bicycles, scooters and just plain walking. Also, hospitals during the coronavirus outbreak. He's been a reporter or editor for 35 years, including the last 23 at The N&O. 919-829-4739, rstradling@newsobserver.com.

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