



Technical Committee Meeting Agenda

Wednesday, May 24, 2017

9:00 AM

Conference Room 1A (Audit Services Area)

1st Floor

Durham City Hall 101 City Hall Plaza

Durham, NC 27701

1. Roll Call
2. Adjustments to the Agenda
3. Public Comment

CONSENT AGENDA

4. **Approval of the April 26, 2017 TC Meeting Minutes**

[17-154](#)

A copy of the April 26, 2017 minutes is enclosed.

Enter Recommended Action Here

TC Action: Approve the minutes of the April 26, 2017 TC meeting.

Attachments: [2017-05-24 \(17-154\) TC Meeting Minutes 4.26.17.pdf](#)

ACTION ITEMS

5. **2045 Metropolitan Transportation Plan (MTP) -- Deficiency Analysis (20 minutes)**

[17-155](#)

Andy Henry, LPA staff

The Deficiency Analysis is the next step in the 2045 MTP development process. It uses region, corridor and roadway level analysis to identify future transportation deficiencies. Staff will present the Deficiency Analysis to the Technical Committee and ask that it be forwarded to the MPO Board for review and to be released for public comment. The MPO has an interest in expediting the MTP development because approval after February 2017 would impose new, unfamiliar plan requirements, and an approval after April 2017 would mean a plan lapse (i.e., no new federal transportation actions in the MPO area). When available, the Deficiency Analysis will be posted to the Deficiencies tab on the following MPO Web page: www.bit.ly/DCHC-MTP. The Community Plan land use scenario, on which the Deficiency Analysis is based, is already available on the Land Use tab of that Web site.

The tentative schedule for the 2045 MTP is as follows:

- * Deficiency Analysis; Board release in June
- * Alternatives Analysis, Board release in August
- * Locally Preferred Alternative (LPA), Board release in October
- * Adopted 2045 MTP, Board adopt in December.

TC Action: Review, provide comments, and forward to Board for release.

6. SPOT 5.0 Update (15 minutes)[17-153](#)**Aaron Cain, LPA Staff**

DCHC MPO staff will provide an update on the status of DCHC projects to be submitted for SPOT 5.0 this summer, as well as discuss the process going forward. The projects submitted to MPO staff for consideration for submittal for SPOT 5.0 are attached.

The following changes have occurred to the list of carryover projects to be modified that was approved at the last MPO Board meeting:

- U-5720C - Based on discussions with NCDOT staff, extending this project to the limits of U-5518B (Aviation Parkway Extension) can be done through a modification of the project should U-5518B get funded in the FY2018-27 TIP; no modification needs to be made at this time.
- R-5821 - Inclusion of a superstreet design at NC 54 and Old Fayetteville Road will be incorporated into H140374-E, thereby not requiring R-5821 to be rescored.
- The Chapel Hill Town Council will review projects for possible modification at its May 22, 2017 meeting. Those projects will be brought to the TC on May 24.
- The deadline for submission of modifications and deletions has been pushed back by the SPOT office until at least June 30, 2017.

TC Action: Forward the list of proposed projects to the MPO Board for its consideration.

Attachments: [2017-05-24 \(17-153\) New Project Submissions for SPOT 5.0 - May 2017.pdf](#)

7. STBGDA Projects through FFY18 (10 minutes)[17-152](#)**Aaron Cain, LPA Staff**

On February 22, 2017, the DCHC MPO released a call for projects for unprogrammed prior year and upcoming FFY18 STBGDA funds distributed to local governments through the MPO. The attached document details the requests provided by local government staff. These requests will be approved by the DCHC MPO Board as part of the TIP approval process, scheduled for final adoption on August 9, 2017.

If approved, all funds will be distributed as part of the development of the FY2018-27 TIP, and will be available October 1, 2017, except the following:

- Chatham County and Orange County funds will be flexed to transit and will follow the necessary procedure, and
- Funds directed to C-5572, West Ellerbe Creek Trail, are FY17 funds, and a TIP amendment requesting their use as part of the FY2016-25 STIP is under consideration. If approved, those funds will be available this June.

TC Action: This item is for informational purposes only, no action is required at this time.

Attachments: [2017-05-24 \(17-152\) STBGDA Projects through FFY18.pdf](#)

8. **Approval of Amendment #10 to the FY2016-25 Transportation Improvement Plan (5 minutes)** [17-151](#)

Aaron Cain, LPA Staff

Amendment #10 for the FY2016-25 Transportation Improvement Plan includes one request from the City of Durham to program \$383,670 of FY17 STBGDA funds (\$380,081 from the City of Durham, \$3,589 from Durham County) to project C-5572, West Ellerbe Creek Trail. This request is being made so that funds can be accessed more readily for a project that is ready for construction. A summary list and full report of the changes are included as attachments along with a resolution to be signed by the MPO Board Chair upon approval by the Board.

TC Action: Recommend the Board approve Amendment #10 to the FY2016-25 Transportation Improvement Plan.

Attachments: [2017-05-24 \(17-151\) TIP Amendment #10 Full Report.pdf](#)
[2017-05-24 \(17-151\) TIP Amendment #10 Summary Sheet.pdf](#)
[2017-05-24 \(17-151\) TIP Amendment #10 Resolution.pdf](#)

REPORTS FROM STAFF:

9. **Report from Staff** [17-107](#)

Felix Nwoko, LPA Staff

TC Action: Receive report from Staff.

Attachments: [2017-05-24 \(17-107\) LPA staff report.pdf](#)

10. **Report from the Chair** [17-108](#)

Ellen Beckmann, TC Chair

TC Action: Receive report from the TC Chair.

11. **NCDOT Reports** [17-109](#)

Joey Hopkins (David Keilson/Richard Hancock), Division 5 - NCDOT

Mike Mills (Pat Wilson/Ed Lewis), Division 7 - NCDOT

Brandon Jones (Bryan Kluchar, Jen Britt), Division 8 - NCDOT

Julie Bogle, Transportation Planning Branch - NCDOT

Traffic Operations - NCDOT

TC Action: Receive reports from NCDOT.

Attachments: [2017-05-24 \(17-109\) NCDOT Progress Report.pdf](#)

INFORMATIONAL ITEMS:

Adjourn

Next meeting: June 28, 9 a.m., Committee Room

Dates of Upcoming Transportation-Related Meetings:

**Transit-Ready Development Breakfast Hosted by GoTriangle and TJCOG,
May 25, 2017 8:00-9:45 a.m. RTP Headquarters, 12 Davis Drive, RTP**

**Corridor Study - U-5304 Upgrade of US 15-501 from NC 86 to I-40, June 5, 2017
1:30-3:00 p.m. Roadway Design Conference Rm, Century Center Bldg. A**

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

TECHNICAL COMMITTEE

26 April 2017

MINUTES OF MEETING

The Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Technical Committee met on April 26, 2017, at 9:00 a.m. in the City Council Committee Room, located on the second floor of Durham City Hall. The following people were in attendance:

Ellen Beckmann (Chair)	City of Durham Transportation
Margaret Hauth (Vice Chair)	Hillsborough Planning
Kumar Neppalli (Member)	Chapel Hill Engineering
Hannah Jacobson (Member)	City of Durham Planning
Tasha Johnson (Member)	City of Durham Public Works
Pierre Osei-Owusu (Member)	City of Durham Transportation
Tina Moon (Member)	Carrboro Planning
Bergen Watterson (Member)	Chapel Hill Planning
Linda Thomas Wallace (Member)	Durham County Cooperative Extension
Scott Whiteman (Member)	Durham County Planning
Theo Letman (Member)	Orange Public Transportation
Peter Murphy (Alternate)	Orange Public Transportation
Tom Altieri (Member)	Orange County Planning
Max Bushell (Member)	Orange County Planning
Cara Coppola (Member)	Chatham County Planning
John Hodges-Copple (Member)	Triangle J Council of Governments
Richard Hancock (Alternate)	NCDOT, Division 5
Patrick Wilson (Alternate)	NCDOT, Division 7
Jennifer Britt (Member)	NCDOT, Division 8
Julie Bogle (Member)	NCDOT, TPB
Kurt Stolka (Member)	UNC
Geoff Green (Member)	GoTriangle
Dale McKeel	City of Durham/DCHC MPO
Felix Nwoko	DCHC MPO
Andy Henry	DCHC MPO
Meg Scully	DCHC MPO
Brian Rhodes	DCHC MPO
Aaron Cain	DCHC MPO
John Tallmadge	GoTriangle

Quorum Count: 21 of 31 Voting Members

Chair Ellen Beckmann called the meeting to order at 9:06 a.m. A roll call was performed. The

Voting Members and Alternate Voting Members of the DCHC MPO Technical Committee (TC) were

identified and are indicated above. Chair Ellen Beckmann reminded everyone to sign-in using the sign-in sheet that was being circulated.

Bergen Watterson stated that she was now the TC Member for Chapel Hill.

PRELIMINARIES:

2. Adjustments to the Agenda

Chair Ellen Beckmann asked if there were any adjustments to the agenda. There were no adjustments to the agenda.

3. Public Comments

Chair Ellen Beckmann asked if there were any members of the public signed up to speak. There were no members of the public signed up to speak during the meeting.

CONSENT AGENDA:

4. Approval of March 29, 2017, TC Meeting Minutes

There was no discussion of the March 29, 2017, TC Meeting Minutes. Geoff Green made a motion to approve the March 29, 2017, TC Meeting Minutes. Tom Altieri seconded the motion. The motion passed unanimously.

ACTION ITEMS:

5. Update on Durham County and Orange County Transit Plans

John Tallmadge and Geoff Green, GoTriangle

John Tallmadge discussed the changes to the Durham-Orange Light Rail Transit (D-O LRT) project that led to the renegotiation of the cost sharing plan, including: the addition of a station at North Carolina Central University, the replacement of the Meadowmont station with the Woodmont station, and changes in the alignment to protect the New Hope Creek wetlands. John Tallmadge also noted Durham's interest in maintaining the Wake-Durham Commuter project. John Tallmadge stated that the updated cost sharing agreement would consist of an 81.5%/16.5% split between Durham County and Orange County, with private contributions making up the remaining 2%.

70 In response to Chair Ellen Beckmann's inquiry about Durham's cash balance, John Tallmadge
71 reviewed the funding assumptions for the Wake-Durham Commuter Rail project. Chair Ellen Beckmann
72 and John Tallmadge discussed what would happen if the 2% of private contributions did not materialize,
73 and whether funding from the University of North Carolina could count towards the 2% of private
74 contributions. John Tallmadge reviewed the assumptions underlying the estimated cost of the Wake-
75 Durham Commuter Rail project. Chair Ellen Beckmann and John Tallmadge discussed reasons for the
76 increased cost of existing service for bus operations.

77 Chair Ellen Beckmann and John Tallmadge discussed whether there were letters of intent to
78 confirm \$19 million worth of right of way donations, and how these donations are reflected in the
79 updated plans. John Tallmadge reviewed the dedicated tax revenue commitment from each county for
80 the D-O LRT project, and the reason that these commitments are reflected in dollars and not
81 percentages.

82 John Hodges-Copple and John Tallmadge discussed how joint developments are reflected in the
83 plan. There was discussion of the deadline for fleshing out joint development plans. Geoff Green
84 commented that Patrick McDonough at GoTriangle has been working with city and county partners and
85 the Transit Oriented Development (TOD) consultant to come up with a joint development policy.

86 Felix Nwoko and John Tallmadge confirmed the timeline for various boards to approve the
87 updated County Transit Plans.

88 Pierre Osei-Owusu and John Tallmadge discussed whether there was any additional information
89 about how the president's proposed budget would affect the New Starts program.

90 Felix Nwoko reaffirmed the MPO's commitment to the D-O LRT project.

91 Tom Altieri and John Tallmadge discussed the staff working groups' decision to forward the
92 County Transit Plans to the governing boards for consideration without recommending approval. Tom
93 Altieri expressed reservations about voting in favor of the plans before the Orange County Board of

Commissioners has had an opportunity to approve the plans. John Tallmadge reminded the TC that the County Transit Plans are two separate plans, and the TC and the MPO Board should take separate actions on them. Tina Moon and Cara Coppola expressed reservations about voting in support of the plans. Vice Chair Margaret Hauth suggested crafting a motion that speaks specifically to the technical merits of the plans. Chair Ellen Beckmann stated that the County Transit Plans are supportive of the MPO's adopted Metropolitan Transportation Plan (MTP) and long-range vision. Vice Chair Margaret Hauth asked John Hodges-Copple to propose a motion that would allow the TC to endorse the technical aspects of the County Transit Plans, without weighing in on the policy implications of the plans. Tom Altieri stated that he was removed from the financial components of the plan which reduced his ability to comment on technical merits of the plans. There was discussion of changes to the plans regarding bus service hours. Pierre Osei-Owusu stated that it was important to distinguish between existing services and the future service that new funding would support for the transit systems.

Linda Thomas Wallace stated that it is incumbent on local jurisdictions to approach GoTriangle about issues such as bus service hours. Linda Thomas Wallace also commented on Durham's efforts to vet the plan before making a recommendation to the Durham County Board of Commissioners.

Peter Murphy and John Tallmadge discussed whether there is funding to support Orange County's requested revenue hours.

Scott Whiteman reminded the TC that the plans reflect a compromise between Durham and Orange Counties. Max Bushell stated that he was comfortable supporting the technical merits of the plans.

Chair Ellen Beckmann stated that the plans reflect the MPO's priorities and that there would be opportunities to revise the plans in the future.

John Hodges-Copple made a motion to recommend approval of the County Transit Plans, since they substantially include the bus and rail services in the adopted 2040 MTP. John Hodges-Copple stated

that the TC believes that it will be critical that the MPO as an organization and the TC members as organizational representatives be directly involved in all future planning activities related to the services and facilities included in the plans. Geoff Green and John Hodges-Copple discussed the motion's implications for MPO involvement in modifying the plans. Geoff Green suggested that the language of the motion be modified to indicate that the TC members would "have the opportunity to be directly involved" in future planning activities related to the plans.

Theo Letman stated that the Orange County Board of Commissioners still had unresolved issues regarding the convenience clause in the plans. John Tallmadge pointed out that the clause was in the cost sharing agreement and that the MPO was not a party to the cost sharing agreement.

There was discussion of whether the language of the motion should also reaffirm the MPO's commitment to a multi-modal public transportation system. Chair Ellen Beckmann stated that the MPO's commitment to a multimodal transportation system was already implied.

John Hodges-Copple made a motion to recommend approval of the County Transit Plans, since they substantially include the bus and rail services in the adopted 2040 MTP. The TC believes that it will be critical that the MPO as an organization and the TC members as organizational representatives have the opportunity to directly be involved in all future planning activities related to the services and facilities included in the plans. Scott Whiteman seconded the motion. The motion passed unanimously.

John Tallmadge thanked the staff working groups for their hard work on the County Transit Plans.

6. Proposed Modifications and Deletions for SPOT 5.0

Felix Nwoko and Aaron Cain, LPA Staff

Aaron Cain drew attention to a list of Carryover projects for the Strategic Planning Office of Transportation Prioritization 5.0 (SPOT P5.0), and asked the TC to inform him if there was anything missing from the list or anything on the list that should not be changed. Aaron Cain stated that the

deadline for operational projects was at the end of the following week, while the deadline for non-operational projects is in June.

Aaron Cain, Max Bushell, and Tina Moon discussed operational and intersectional improvements on NC 54.

Aaron Cain and Chair Ellen Beckmann discussed whether the Division Engineers also have to consent to changes to the projects. Aaron Cain stated that he was already in conversation with David Keilson about changes to the projects, but still needed to speak with Ed Lewis.

Aaron Cain discussed how the corridor cap would affect the U-5774F project. Aaron Cain stated that he was working with the North Carolina Department of Transportation (NCDOT) to see whether improvements on NC 54 could be prioritized over the managed lanes on I-40, even though the managed lane project scored better than the improvements to NC 54. Aaron Cain stated that if the NC 54 improvements could not be prioritized, the managed lane project may need to be withdrawn. Richard Hancock stated that discussions need to continue with NCDOT to determine how to address the projects on NC 54 and I-40.

Chair Ellen Beckmann outlined alternative approaches to the U-5720C project. Aaron Cain and Chair Ellen Beckmann also discussed the U-5937 Durham Freeway project. Aaron Cain confirmed that the R-5821 project is a Carrboro project.

Scott Whiteman made a motion to recommend approval of the Carryover projects to the MPO Board. Geoff Green seconded the motion. The motion passed unanimously.

7. Comprehensive Transportation Plan (CTP) -- Final

Andy Henry, LPA Staff
Julie Bogle, NCDOT

Andy Henry outlined changes that were made to the CTP report and changes that still needed to be made.

166 Andy Henry and Geoff Green discussed whether the CTP should reflect that the grade
167 separations at the South Roxboro Street railroad tracks need improvement.

168 There was discussion of how the proposed two-way conversion of two pairs of one-way streets
169 in the Durham Downtown Loop, Duke Street and Gregson Street and Mangum Street and Roxboro
170 Street, should be addressed in the CTP, and the effect that such a conversion would have on capacity.

171 Felix Nwoko stated that NCDOT was going back to using the term superstreets, and that a note
172 should be made in the CTP to indicate that synchronized streets are also referred to as superstreets.

173 There was continued discussion of whether the proposed two-way conversion of the two pairs
174 of one-way streets in the Downtown Loop should be classified as needing improvement in the CTP. Julie
175 Bogle pointed out that the CTP could be amended in order to better align with the MTP at a later date.
176 John Hodges-Copple stated that the key consideration should be whether not labelling the conversion as
177 “needs improvement” would restrict the MPO from doing something in the MTP or submitting projects
178 for the SPOT process. There was continued discussion of amending the CTP to align with the MTP, and
179 the impact that the NCDOT Board of Transportation timeline for adopting the CTP would have on the
180 MTP. Andy Henry and Chair Ellen Beckmann discussed whether the two-way conversion of the two one-
181 way pairs could be considered as a Transportation System Management (TSM) project in the MTP. There
182 was discussion of whether a problem statement for the two-way conversion of the two one-way pairs of
183 streets in the Durham Downtown Loop should be included in the CTP. Chair Ellen Beckmann proposed
184 stating that the two pairs of one-way streets in the Downtown Loop need improvement and describing
185 safety concerns about the streets in the CTP, but not including specific solutions to address these issues.

186 Scott Whiteman made a motion to recommend that the MPO Board adopt the CTP. Geoff Green
187 seconded the motion. The motion passed unanimously.

188 **REPORTS:**

189 **7. Reports from the LPA Staff**

190 Felix Nwoko, LPA Staff

There was no report from the LPA Staff.

9. Report from the DCHC MPO TC Chair

Ellen Beckmann, DCHC MPO TC Chair

There was no report from the TC Chair.

10. NCDOT Reports

A report from NCDOT Division 5 was included in the packet. There were no questions or comments.

Pat Wilson, NCDOT Division 7, stated that there was a combined build inspection meeting on April 25, 2017, regarding two projects in the Chapel Hill/Carrboro area. Pat Wilson stated that Division 7 would proceed with the projects as long as no issues were raised.

Pat Wilson, Bergen Watterson, and Tina Moon discussed the multi-use path, sidewalks, and the proposed roundabout on Bennett Road.

Pat Wilson stated that he would send a formal request to staff members in Chapel Hill and Carrboro to find out about the status of the review of the information that was sent about the project on Franklin Street and Merritt Mill Road.

Jennifer Britt, NCDOT Division 8, stated that construction of the portion of the southbound left turn lane on NC 751 within the DCHC MPO's area is 80% complete.

There was no report from NCDOT Transportation Planning Branch.

There was no report from NCDOT Traffic Operations.

INFORMATIONAL ITEMS:

11. Recent News, Articles, and Updates

There were no informational items.

ADJOURNMENT:

There being no further business before the DCHC MPO Technical Committee, the meeting was adjourned at 11 a.m.

Project Submissions for SPOT 5.0 - Bike/Ped

SPOT ID	TIP #	Submitted by	Category	Route / Facility Name	From / Cross Street	To / Cross Street	Description	Specific Improvement Type	Notes
B140789		Carrboro	Division Needs	NC 54	James Street	Anderson Park	Construct sidepath on the north side of the road to accommodate two-direction bicycle transportation.	1. Off-Road/Separated Linear Bicycle Facility (Bicycle)	
B150456		Carrboro	Division Needs	SR 1843 (Seawell School Road)	SR 1780 (Estes Drive Extension)	SR 1777 (Homestead Road)	Construct bicycle lanes where they do not currently exist on both sides of roadway	2. On-Road; Designated Bicycle Facility (Bicycle)	
B150435		Carrboro	Division Needs	Old NC 86 - Hillsborough Road	SR 1777 (Homestead Road)	Farm House Road (Drive?)	Construct bicycle lanes on both sides of roadway	2. On-Road; Designated Bicycle Facility (Bicycle)	
B150607		Chapel Hill	Division Needs	US 15/501 (Fordham Blvd)	Willow Drive	Old Durham Chapel Hill Road	Construct multi-use side paths paralleling US 15/501 (Fordham Blvd), both sides from Willow Drive to Ephesus Church Road and just the east side from Ephesus Church Road to Old Durham Chapel Hill Road. Construct enhanced pedestrian and bicyclist crossing accommodations at intersections and crossing locations.	1. Off-Road/Separated Linear Bicycle Facility (Bicycle)	
B141103		Chapel Hill	Division Needs	Finley Golf Course Road	US 15-501/NC 54	NC 54	Construct sidepath on one side or bicycle lanes.	1. Off-Road/Separated Linear Bicycle Facility (Bicycle)	
B141119		Chapel Hill	Division Needs	Pope Road/Ephesus Church Road	Old Durham-Chapel Hill Rd	Fordham Blvd	Construct sidewalks and bicycle lanes. Between Legion Rd and the Durham County line, the project consists mostly of filling in missing sidewalk. Between the County line and Old Durham Rd, the project involves constructing bicycle lanes and filling in missing gaps.	2. On-Road; Designated Bicycle Facility (Bicycle)	
		Chapel Hill	Division Needs	Martin Luther King Jr. Blvd.	Estes Drive	Homestead Rd	Bike lane addition and sidewalk upgrade.		
		Chapel Hill	Division Needs	Partial Campus to Campus Connector/ Tanyard Branch extension	Broad Street	Village Dr. & Tanyard Branch Greenway	off road Multit-use path	1. Off-Road/Separated Linear Bicycle Facility (Bicycle)	
		Chapel Hill	Division Needs	Mt. Carmel Church Road	US 15-501	Bennett Road	Multit-use path one side		
B150150		Chatham County	Division Needs	O'Kelly Chapel Rd Side St Trail	American Tobacco Trail	Green Level Church Rd (SR 1630)	Construct 10' wide Streetside trail along O'Kelly Chapel Rd between existing trail at Green Level Church Rd and American Tobacco Trail	5. Protected Linear Pedestrian Facility (Pedestrian)	

B150147		Chatham County	Division Needs	Pittard Sears	O'Kelly Chapel Rd	trailhead at American Tobacco Trail	construct sidewalk along western side of Pittard Sears Rd between O'Kelly Chapel Rd and trailhead	5. Protected Linear Pedestrian Facility (Pedestrian)	
B150664		City of Durham	Division Needs	Duke Belt Line Trail	Downtown Trail (Blackwell St.)	Avondale Ave	Construct a multi-use path on former rail corridor.	1. Off-Road/Separated Linear Bicycle Facility (Bicycle)	Potentially don't need to submit once final STIP is published.
B150145		City of Durham	Division Needs	Pearsontown Trail	Rocky Creek Trail	American Tobacco Trail	Construct a shared use trail and sidewalks connecting the Rocky Creek Trail, the American Tobacco Trail, and the Hayti Heritage Center	1. Off-Road/Separated Linear Bicycle Facility (Bicycle)	Resubmit.
B150143		City of Durham	Division Needs	Sandy Creek Trail	Sandy Creek Trail	Cornwallis Rd. at Al Buehler Trail	Construct a shared use trail	1. Off-Road/Separated Linear Bicycle Facility (Bicycle)	Resubmit. Modify endpoint to connect to existing Al Buehler Trail to increase competitiveness.
B141106		City of Durham	Division Needs	Horton Road	Hillandale Rd	N Roxboro Rd	Construct Bicycle and Pedestrian Facilities	2. On-Road; Designated Bicycle Facility (Bicycle)	Resubmit. Bike+Walk Plan Recommendation. Test splitting the project into a smaller segment.
B150104		City of Durham	Division Needs	Academy	Duke University Rd	Cornwallis Rd	Construct bicycle and Pedestrian Facilities	5. Protected Linear Pedestrian Facility (Pedestrian)	Resubmit.
B150405		City of Durham	Division Needs	Cook Rd	American Tobacco Trail	Martin Luther King Jr Parkway	Connect the American Tobacco Trail (through Hillside High School) to MLK Jr Parkway with buffered bike lanes and sidewalks on both sides of the road	1. Off-Road/Separated Linear Bicycle Facility (Bicycle)	Resubmit. Access to Hillside High School.
B141356		City of Durham	Division Needs	Hardee St	NC 98 (Holloway St)	SR 1800 (Cheek Rd)	Construct Sidewalks and Bike Lanes.	5. Protected Linear Pedestrian Facility (Pedestrian)	Resubmit. Bike+Walk Plan Recommendation
B150122		City of Durham	Division Needs	Club	Ambridge St	Dearborn Dr	Construct Bicycle and Pedestrian Facilities	5. Protected Linear Pedestrian Facility (Pedestrian)	Resubmit.
		City of Durham	Division Needs	Cornwallis Road	American Tobacco Trail	NC 55	Construct sidewalk on one side of the road and intersection improvements/sidewalk connections to transit stops on both sides of the road.	5. Protected Linear Pedestrian Facility (Pedestrian)	Bike+Walk Plan Recommendation
		City of Durham	Division Needs	Holloway Street	Chandler Road	Junction Road	Construct sidewalk on both sides of the road and intersection improvements.	5. Protected Linear Pedestrian Facility (Pedestrian)	Bike+Walk Plan Recommendation
		City of Durham	Division Needs	NC 55	NC 54	Carpenter Fletcher Rd	Construct sidewalk on one side of the road and intersection improvements/sidewalk connections to transit stops on both sides of the road.	Protected Linear Pedestrian Facility	Bike+Walk Plan Recommendation

		City of Durham	Division Needs	Club Blvd	Broad St	Washington Street/Ellerbe Creek Trail	Construct protected bicycle lanes on both sides of the street, install pedestrian hybrid signal at Watts and Club	2. On-Road; Designated Bicycle Facility (Bicycle)	Bike+Walk Plan Recommendation
		City of Durham	Division Needs	University Dr	Garrett Rd	Cornwallis	Construct shared use path along one side of roadway between Garrett Road and MLK Blvd, protected bicycle lanes between MLK Blvd and Hope Valley Road.	2. Off-Road/Separated Linear Bicycle Facility	Bike+Walk Plan Recommendation Potentially split into segments.
		City of Durham	Division Needs	US 501 (N. Roxboro Rd.)	Fairfield Road	Milton Road	Construct shared use path on one side of the street, sidewalk connections to transit on both sides, and intersection improvements.	2. Off-Road/Separated Linear Bicycle Facility	Bike+Walk Plan Recommendation
		City of Durham	Division Needs	Stadium/ Olympic/ Roxboro/ Old Oxford	Ellerbe Creek Trail	Hebron Road	Bike lanes, side path combination	1. Grade-Separated Facility or National, State, or Regional Route (Bicycle)	Likely competitive based on East Coast Greenway designation Potentially split into segments (City, County) Durham County
		City of Durham	Division Needs	Erwin Road	NC 751 at Al Buehler Trail	Sage Rd.	Buffered Bike lanes	2. Off-Road/Separated Linear Bicycle Facility	Frequently requested Durham County
		City of Durham	Division Needs	Rose of Sharon/ Hillandale	Guess Rd.	Horton Rd.	Sidewalks	5. Protected Linear Pedestrian Facility (Pedestrian)	Access to Riverside High School
		City of Durham	Division Needs	Old Durham-Chapel Hill Road Bridge over I-40			Bicycle and pedestrian bridge		Likely competitive.
		City of Durham	Division Needs	Miami Boulevard	Ellis Rd	Cornwallis Rd	Construct multi-use path along east side of roadway.	2. Off-Road/Separated Linear Bicycle Facility	Bike+Walk Plan Recommendation Durham County
		City of Durham	Division Needs	NC 54	NC 55	American Tobacco Trail	Construct shared use path along east side of roadway and intersection improvements/sidewalk connections to transit stops on both sides of the road.	2. Off-Road/Separated Linear Bicycle Facility	Bike+Walk Plan Recommendation
		City of Durham	Division Needs	NC 55	American Tobacco Trail	Cornwallis Rd	Construct shared use path on one side of roadway and make intersection improvements.	2. Off-Road/Separated Linear Bicycle Facility	Bike+Walk Plan Recommendation
		City of Durham	Division Needs	University Dr.	Woodridge	West Forest Hills	Sidewalks, improve bike lanes	5. Protected Linear Pedestrian Facility (Pedestrian)	High cost. Frequently requested.
		City of Durham	Division Needs	Alston Ave. and NC 54	Cornwallis Rd.	NC 54 RTP Trail	Bike lanes, sidewalk	2. On-Road; Designated Bicycle Facility (Bicycle)	Connect gap between Carpenter Fletcher and RTP. Durham County
		City of Durham	Division Needs	Durham-Chapel Hill Boulevard	Nation Ave.	University Dr.	Sidewalks, improve bike lanes	2. Off-Road/Separated Linear Bicycle Facility	High cost. Frequently requested.

B150573		Division 8/ Chatham County	Division Needs	American Tobacco Trail	O'Kelly Chapel Road		Construct pedestrian and bicycle crossing (tunnel) improvements at the American Tobacco Trail (multi-use trail) crossing of O'Kelly Chapel Road. The American Tobacco Trail is a 20+ mile railtrail that extends from Durham to RTP, Cary, Morrisville, Apex and New Hill. It is a designated segment of the East Coast Greenway (linking Maine to Florida), and is heavily used by cyclists, pedestrians and equestrians. The ATT crosses a few roadways along it's length, one of which is O'Kelly Chapel Road.	5. Protected Linear Pedestrian Facility (Pedestrian)	
B150435		Orange County	Division Needs	Old NC 86 - Hillsborough Road	SR 1777 (Homestead Road)	Farm House Road (Drive?)	Construct bicycle lanes on both sides of roadway	2. On-Road; Designated Bicycle Facility (Bicycle)	
		Orange County	Division Needs	Homestead Road	Old NC 86 (SR 1009)	NC 86	Improve Homestead Road from Old NC 86 (SR 1009) to NC 86 to include bicycle lanes and sidewalks in sections of the corridor where those facilities do not exist.	5. Protected Linear Pedestrian Facility (Pedestrian)	
		Orange County	Division Needs	I-85			Construct a pedestrian bridge across I-85 to connect southern Hillsborough neighborhoods with Collins Ridge, Daniel Boone Village, and Downtown Hillsborough.	5. Protected Linear Pedestrian Facility (Pedestrian)	

Project Submissions for SPOT 5.0 - Highway

SPOT ID	TIP #	Submitted By	Category	Route / Facility Name	From / Cross Street	To / Cross Street	Description	Specific Improvement Type	Notes
	R-5821	Carrboro	Regional Impact	NC 54	SR 1937/SR 1107 Old Fayetteville Road		Improve Intersection	Intersection Improvement	
	R-5821	Carrboro	Regional Impact	West Main Street	NC 54	James Street	Improve Intersection	Intersection Improvement	
	R-5821	Carrboro	Regional Impact	NC 54	SR 1107 Old Fayetteville Road	West Main Street	Synchronized Street/Superstreet	Synchorized Street	
H140638		Chapel Hill	Division Needs	Elliott Rd	US 15/501 (Fordham Blvd)	Ephesus Church Rd	Construct extension of existing roadway (Elliott Rd) on new location between Ephesus Church Rd and US 15/501. The primary benefit of the new segment of road is to alleviate traffic at the intersection of US 15/50 & Ephesus Church Road, as well as congestion on US 15/501 between Ephesus Church and Elliott. The evaluation of the benefit should take into consideration the future traffic reduction and the intersection LOS at US 15/501/Ephesus Church, and the future LOS at the Elliott/US 15/501 interchange	5 - Construct Roadway on New Location	
		Chapel Hill	Division Needs	Legion Road Extension	Legion Rd	Fordham Blvd	Construct extension of existing roadway (Legion Rd extension) on new location between Legion Road and US 15-501. Project shall include bicycle and pedestrian facilities.	5 - Construct Roadway on New Location	
H090555-A		Chatham County	Regional Impact	NC 751	O'Kelly Chapel Rd (SR1731)	Lewter Shop Rd (SR1740)	Widen to 4 Lanes with Bicycle accomodations on Existing Location.	1 - Widen Existing Roadway	* CTP deficiency analysis shows v/c heavy traffic page 11
		Chatham County	Division Needs	Jack Bennett/Lystra Rd (SR 1717)	US 15501	Farrington Mill/Point Rd (SR1008)	modernization	modernization	
		Chatham County	Regional Impact	Farrington Point Rd SR 1008/Old Farrington Rd (SR 1728)	County Line	Jack Bennett/Lystra (SR 1717)	modernization	modernization	* CTP deficiency analysis shows v/c heavy traffic page 11
		Chatham County	Regional Impact	O'Kelly Chapel Rd	Durham County Line	Wake County Line	widen to 4 lane and bicycle accomodations on existing location	1 - Widen Existing Roadway	5001 to 10000 (AADT estimate from Signage Study also includes
H090366-B		Durham	Statewide Mobility	US 15 , US 501	I-40, Mt. Moriah Rd, and SW Durham Dr Intersections		Improve Interchange Area including Mount Moriah Road and SW Durham Drive	7 - Upgrade At-grade Intersection to Interchange or Grade Separation	Use a flexible description to accommodate potential Corridor Study recommendations

H111011		Durham	Regional Impact	NC 751	NC 54	Southpoint Auto Park Blvd	Widen Roadway to Four Lanes with a Median with Bicycle, Pedestrian and Transit Facilities As Appropriate.	1 - Widen Existing Roadway	
H150278		Durham	Regional Impact	NC 751 (Hope Valley Road)	South Roxboro Rd	Woodcroft Parkway	NC 751 (S. Roxboro Rd to NC 54) Widen to 4 lane, bike lane and sidewalks. This project includes the realignment of the NC 751 & South Roxboro Road intersection.	1 - Widen Existing Roadway	Lowest scoring Regional project in P4.0.
H129640-B		Durham	Division Needs	New Route - Northern Durham Parkway	US 70	NC 98/Wake Forest Hwy/Holloway St	Construct Multi-Lane Roadway on New Location	5 - Construct Roadway on New Location	Durham County
	U-4722	Durham	Regional Impact	US 501 (Roxboro Road)	US 501 Bypass (Duke Street)	SR 1640 (Goodwin Road)	Widen to Six Lanes; Add bike, ped and transit facilities (adjacent multi-use path); consider splitting into two segments (Duke St. to U-5516 and U-5516 to Bywood Dr.); change to superstreet - wait for pre-submittal feedback from NCDOT	1 - Widen Existing Roadway	
		Durham	Regional Impact	US 501 (Roxboro Rd.)	US 501 Bypass (Duke Street)	Omega Rd.	Construct median, access management, and safety improvements, bicycle and pedestrian facilities, transit stop improvements	11 - Access Management	
		Durham	Division Needs	New Route - Northern Durham Parkway	Old Oxford Rd.	I-85	Construct Multi-Lane Roadway on New Location	5 - Construct Roadway on New Location	Use US 501 Business (Roxboro) as parallel facility.
		Durham	Division Needs	SR 1978 (Hopson Rd.)	Davis Dr.	NC 54	Widen roadway to a four lane divided roadway with bicycle and pedestrian facilities.	1 - Widen Existing Roadway	Durham County
		Durham	Division Needs	SR 1116 (Garrett Rd.)	NC 751	SR 2220 (Old Chapel Hill Rd.)	Upgrade Roadway Corridor, increase capacity, bicycle and pedestrian facilities, transit stop improvements	1 - Widen Existing Roadway	
		Durham	Division Needs	Roxboro St	Cornwallis Rd	MLK Pkwy	Construct new location roadway	5- Construct Roadway on New Location	
		Durham	Division Needs	Leesville Road	Leesville Road	Page Road Extension	Construct new location roadway	5- Construct Roadway on New Location	Durham County
		Durham	Division Needs	Globe Road	Miami Blvd	Page Road	Construct new location roadway	5- Construct Roadway on New Location	Durham County
		Durham	Statewide Mobility	US 15/501 Bypass	NC 147	US Business 70 (Hillsborough Road)	Signalize collector-distributor ramp intersections to improve safety.	8 - Improve Interchange	
		Durham	Statewide Mobility	NC 147	Elba St.	Trent Dr.	Construct roundabout at the intersection of Elba St., Trent Dr., and NC 147 ramps.	8 - Improve Interchange	
		Durham	Regional Impact	US 70 Business and SR 1380 (Great Jones St.) and SR 2266 (Liberty St.)	US 15/501 Business (Roxboro St.)	US 15/501 Business (Roxboro St.)	Convert the Downtown Loop and Liberty Street to two-way traffic. Project includes realigning portions of the Loop, traffic signals, bicycle facilities, sidewalks, signage.	Complete Street	

		Durham	Regional Impact	US 501 Business (Roxboro Rd.)	Avondale Dr.	Old Oxford Rd.	Construct turn lanes at Lavender, Bon Air, and Murray. Pedestrian and streetscape improvements.	Improve Intersections	
		Durham	Regional Impact	US 15/501 Business (Durham-Chapel Hill Blvd.)	Nation Ave.	University Dr.	Construct roundabouts at Legion, Hope Valley, Midvale, and James. Access management, driveway consolidation or closures, median, protected bicycle facilities, sidewalks, transit stop improvements, safety improvements	Improve Intersections	
		Durham	Regional Impact	US 15/501 Business (Roxboro and Mangum Streets)	US 15/501 Business (Lakewood Ave.)	Markham Ave.	Convert Roxboro St. and Mangum St. to two-way traffic. Includes traffic signals, bicycle facilities, and sidewalks.	Complete Street	
		Durham	Regional Impact	NC 98 (Holloway St./Wake Forest Hwy.)	SR 1838 (Junction Rd.)	Oak Grove Parkway	Safety improvements, access management, widen to add median, bicycle lanes, sidewalks, transit stop improvements, traffic signals where needed	11 - Access Management	Test Junction-Lynn and Junction-Mineral Springs for competitiveness. Durham County
		Durham	Regional Impact	NC 98 (Holloway St./Wake Forest Hwy.)	SR 1838 (Junction Rd.)	Lynn Rd.	Safety improvements, access management, widen to add median, bicycle lanes, sidewalks, transit stop improvements, traffic signals where needed	11 - Access Management	
		Durham	Division Needs	SR 1327 (Gregson St.), SR 1361 (Vickers Ave.) and SR 1445 (Duke St.)	US 15/501 Business (Lakewood Ave.)	I-85	Convert Gregson St./Vickers Ave. and Duke St. to two-way traffic. Includes traffic signals, bicycle facilities, and sidewalks.	Complete Street	
		Durham	Division Needs	Riddle Rd.	Alston Ave.		Construct roundabout	Improve Intersection	
		Durham	Regional Impact	US 501 Business (Roxboro Rd.)	Fairfield St.	US 501 (Duke St.)	Construct turn lanes at Horton Rd. Pedestrian facilities, streetscape improvements (<i>Horton Road is not within these bounds</i>)	Improve Intersection	Test construct 5-lane section Horton to Duke St.
		Durham	Regional Impact	NC 55	Cecil St.	Lawson St.	Add median and turn lanes with bicycle, pedestrian, and transit facilities as appropriate	11 - Access Management	
		Durham	Division Needs	Hillandale Rd.	Horton Rd.		Construct roundabout	Improve Intersection	
H150228		Hillsborough	Statewide Mobility	I-85	NC 86		Construct new interchange to accommodate increased increased traffic & Diamond with 2-lane and 4-lane widened NC 86 on bridge with turn lanes.	8 - Improve Interchange	
H111036		Hillsborough	Regional Impact	NC 86	US 70 Bypass	North of NC 57	Widen Roadway to Four Lanes with a Median and Improve intersections at US 70 Bypass and NC 57. Incorporate pedestrian crossing at intersection on NC 57 and NC 86.	1 - Widen Existing Roadway	

H150280		Hillsborough	Division Needs	SR 1006 (Orange Grove Road)	SR 1148 (Eno Mountain Road)/SR 1192 (Mayo Street)		Construct new section of SR 1184 (Eno Mountain Road) to align with SR 1192 (Mayo Street) and install signal.	21 - Realign Offset Intersections	
H150345		Orange County	Statewide Mobility	I-85	West of Mt. Herman Church Road grade separation	west of Durham County Line	Widen one lane in each direction	1 - Widen Existing Roadway	Submitted by Division 7?
H150354		Orange County	Statewide Mobility	I-85	I-85/40 split	east of the NC 86 interchange	Widen to one lane in each direction and improve interchanges	1 - Widen Existing Roadway	Submitted by Division 7?
		Orange County		US 70 Connector	US 70	(intersection)	Reconstruct interchange to allow for an at-grade intersection permitting all turning movements, i.e. allowing left turns from the US 70 Connector northbound onto US 70 and right turns from US 70 eastbound onto the US 70 Connector (these movements currently not allowed). Remove/abandon structurally deficient bridge. The improvement to the I-85/US 70 Connector, US 70 interchange area will create a better alternative for truck and automobile traffic that currently use SR-1004/Efland-Cedar Grove Road, Forest Ave, Mt. Willing Road to travel to I-40/I-85. This project will also support economic development on parcels to the west of the US 70 Connector.	8 - Improve Interchange	
		Orange County	Division Needs	Calvander Roundabout - Old NC 86, Dairyland Road, and Homestead Road			This project would construct a roundabout at the intersection of Old NC 86, Dairyland Road (SR1004/1113/1177), and Homestead Road (SR 1777) in Calvander outside of Carrboro. This project was included at the request of the Orange Unified Transportation Board and would enhance safety at this intersection and improve traffic flow, while also facilitating a safe left turns for bicyclists.	10 - Improve Intersection	
		Orange County		Orange Grove Road	New Grady Brown School Road	Patriot's Pointe Drive	This project would be to construct one additional lane between Patriot's Pointe Drive and New Grady Brown School Road. This project would include both pedestrian and bicycle improvements along the roadway. The I-40 bridge would be widened to accommodate both pedestrian and bicycle amenities and one additional travel lane.	1 - Widen Existing Roadway	

Project Submissions for SPOT 5.0 - Rail

SPOT ID	TIP #	Submitted by	Category	Route / Facility Name	Description	Division	Length	Specific Improvement Type	Notes
R150328		Durham	Regional Impact	NS H	Triple track bridge over I-40 (freight) Cost information does not exist at this time and a placeholder value of \$1 was used in the cost estimating screen	5		Passenger rail station improvement or construction	Resubmit.
R150312		Durham	Statewide Mobility	NS H line	Construct grade separation at Neal Rd. Cost information does not exist at this time and a placeholder value of \$1 was used in the cost estimating screen	5		Highway-rail crossing improvement	Resubmit
R150319		Durham	Statewide Mobility		Construct double track from West of the rail yard at Funston to East Durham yard. Cost information does not exist at this time and a placeholder value of \$1 was used in the cost estimating screen	5		Freight rail infrastructure improvement or construction	Resubmit
R150320		Durham	Statewide Mobility	NS H line	Construct double track from Alexander Drive to Nelson. Cost information does not exist at this time and a placeholder value of \$1 was used in the cost estimating screen	5		Freight rail infrastructure improvement or construction	Resubmit
R150325		Durham	Statewide Mobility	NS H line	Construct improved at grade crossings at Duke Street crossing (____), Blackwell St crossing (735229N), Mangum St crossing (735231P), Dillard St crossing (____), Fayetteville St crossing (____), and Grant St crossing (____) in Durham. Improvements may include traffic signal and crossing protection device upgrades, and/or installation of new traffic signals and crossing protection devices at intersections adjacent to the crossings to incorporate additional crossing protection devices.	5		Highway-rail crossing improvement	Resubmit with modified description.
R150326		Durham	Regional Impact	New Durham/Garner Commuter Rail line	The Proposed 37 mile alignment extends from West Durham to Greenfield Parkway in Garner via Durham, the Research Triangle Park, Morrisville, Cary, Raleigh, and Garner (12 stations total with downtown connections). The operations plan assumes the use of existing freight tracks where possible. In some instances, a second track will be constructed to enhance the capacity of the corridor to allow for continued increases in demand for both passenger and freight traffic in the corridor.	5		Passenger rail station improvement or construction	Resubmit. Coordinate with CAMPO and County Transit Plans.
R150318		Orange County	Statewide Mobility	NS H	Improve current Dimmocks Mill Rd (#735154S) grade separation and close Bellvue St (#735152D) Cost information does not exist at this time and a placeholder value of \$1 was used in the cost estimating screen	7		Highway-rail crossing improvement	Potential changes to scope from NCDOT Rail.
		Orange County		NS H	Improve the current trestle (735158U) at Exchange Park Lane to accommodate pedestrian traffic to support a pedestrian link from the proposed Hillsborough Train Station to downtown Hillsborough.	7		Highway-rail crossing improvement	Concerns from Rail Division that this does not meet criteria for a rail project.
		NCDOT Rail	Division Needs	NCRR	Add to existing platform at Durham Station and construct center island.	5		Passenger rail station improvement or construction	
		NCDOT Rail	Division Needs	NCRR	Provide parking to accommodate ridership increases.	5		Passenger rail station improvement or construction	
		NCDOT Rail	Statewide Mobility	NCRR/NS	University Station mainline realignment, straighten out curves in the line in the University Station area.	7		Freight rail infrastructure improvement or construction	
		NCDOT Rail	Statewide Mobility	NCRR/NS	Curve realignments from west of Hillsborough to Efland.	7		Freight rail infrastructure improvement or construction	

Project Submissions for SPOT 5.0 - Transit

SPOT ID	TIP #	Submitted by	Category	Route / Facility Name	From / Cross Street	To / Cross Street	Description	Specific Improvement Type
T130003		Chapel Hill	Division Needs	Chapel Hill Transit Chapel Hill FY19 F Route CW Route J Route G Route Expansion Vehicles			In addition, this project will add additional peak hour service on buses to the existing CW route (Carrboro, Jones Ferry Park and Ride and Weaver ST) in response to ridership growth, resulting in headway reduction. The project will also include additional peak hour service for 1 year on route F (Colony Woods, Franklin St and McDougle School) in response to ridership growth, resulting in headway reduction. This route currently provides 240,627 rides a year. This project will add additional service	1 - Expansion Vehicle
T130009		Chapel Hill	Division Needs	Chapel Hill Transit FY20 MLK CorridorVeh2Expansion			Four additional buses (4) will be introduced along the Martin Luther King Jr. - South Columbia ? 15/501 corridor (T Route, NU Route, A Route, NS Route). Improvements will include headway reduction and amenity improvements along the corridor.	1 - Expansion Vehicle
T130042		Chapel Hill	Division Needs	Chapel Hill Transit FY17 CL&D RouteVeh2Expansion			Expand CL&D route and service hours. Extend service from Chapel Hill to connect with DATA and Triangle Transit at New Hope Commons. This will introduce four (4) revenue vehicles.	1 - Expansion Vehicle
T130046		Chapel Hill	Division Needs	Chapel Hill Transit FY18 54 CorridorVehicle2Expansion			Extend local bus service from Friday Center to serve demand in 54 corridor to I-40 or beyond by adding four (4) revenue vehicles.	1 - Expansion Vehicle
T150711		Chapel Hill	Division Needs	Bus Rapid Transit (BRT) system along Martin Luther King, Jr Blvd and 15/501 South			Chapel Hill Transit North South Corridor BRT Project (formerly Alternatives Analysis) - Bus Rapid Transit along Martin Luther King Jr. Blvd and South Columbia Streets, between Eubanks Park-and-Ride and Southern Village.	3 - Fixed Guideway
T150449	Use TG-5255?	GoTriangle	Division Needs	Village Neighborhood Transit Center			Design and Construction of NTC: Village Neighborhood Transit Center. GoDurham 2B, 3, 16, 16A, 16B.	2 - Facility
T150453		GoTriangle	Division Needs	Fayetteville St Transit Corridor Improvements			Fayetteville St Transit Corridor; Transit Corridor improvements (access and stop improvements, bus shelters) GoDurham 5, 5K	2 - Facility
T150599		GoTriangle	Regional Impact	GoTriangle Rougemont Park & Ride			Construct Rougemont Park and Ride	2 - Facility
T150993		GoTriangle	Regional Impact	Regional Transit Center			An improved location to increase the efficiency of the overall regional system. The project includes 10 bus bays and 150 parking spaces in a structured facility.	2 - Facility
		GoTriangle	Division Needs	GoDurham Operations and Maintenance Facility			Build a new garage facility to accommodate additional vehicles due to expanded bus service and maintain or replace existing facility after end of useful life	2 - Facility

		GoTriangle	Division Needs	GoDurham Expansion Vehicle FY21			1 vehicle to support bus service expansion	
		GoTriangle	Division Needs	GoDurham Expansion Vehicle FY22			1 vehicle to support bus service expansion	
		GoTriangle	Division Needs	GoDurham Expansion Vehicle FY23			1 vehicle to support bus service expansion	
		GoTriangle	Division Needs	GoDurham Expansion Vehicle FY24			1 vehicle to support bus service expansion	
	TE-5205	GoTriangle	Regional Impact	Durham-Orange Light-Rail Transit Project (D-O LRT)			UNC Hospitals in Chapel Hill to North Carolina Central University in Durham. Construct light rail system	2 - Facility
		GoTriangle	Division Needs	GoDurham AVL/Real-Time System Replacement			Replacement and/or Reconfiguration of current Automated Vehicle Location (AVL) software. The current system is 8 years old, and support for the existing hardware/software expires December 31, 2019. The replacement would also include additional features for more efficient safety/security, vehicle health, and incident management.	
		GoTriangle	Regional Impact	GoTriangle Expansion Vehicles FY19			4 vehicles to support bus service expansion	
		GoTriangle	Regional Impact	GoTriangle Expansion Vehicles FY21			2 vehicles to support bus service expansion	
		GoTriangle	Regional Impact	GoTriangle Expansion Vehicle FY23			1 vehicle to support bus service expansion	
		GoTriangle	Regional Impact	GoTriangle Expansion Vehicle FY24			1 vehicle to support bus service expansion	
T150455		Orange County	Regional Impact	GoTriangle Hillsborough Park & Ride ODX			Design, purchase and construct a park and ride lot in Hillsborough for Routes ODX and Orange Public Transportation	2 - Facility
		Orange County	Division Needs	Orange County Public Transportation Circulator II			Purchase one transit vehicle to begin the Hillsborough Circulator II route in Hillsborough	1 - Expansion Vehicle

STBGDA Call for Projects 2017

Jurisdiction	Funds Available	Project Number	Project Name	Amount Pledged
Carrboro	\$ 277,386	U-4726 Dx	S. Greensboro St. Sidewalks	\$ 277,386
Chapel Hill	\$ 828,750	U-5543	Variable Message Signs in Chapel Hill	\$ 400,000
			Homestead Road Sidewalks	\$ 428,750
Chatham County	\$ 34,997		Flex to Transit	\$ 34,997
Durham County	\$ 3,589	C-5572	West Ellerbe Creek Trail	\$ 3,589
City of Durham	\$ 2,155,267	C-5572	West Ellerbe Creek Trail	\$ 380,081
		U-4726	DCHC Bike-Ped	\$ 1,775,186
Hillsborough	\$ 146,563	U-5589	Churton Street Access Improvements	\$ 146,563
Orange County	\$ 17,330		Flex to Transit	\$ 17,330

TIP Amendment Request - Revise An Existing Project

Amendment Request Details



TIP Amendment
(change in funding
greater than \$1M)



TIP Modification
(change in funding
less than \$1M)



There are previous
amendments to
this project.

Date: 5-1-17

Amendment Requested By: City of Durham

Existing Project Details

Project Name: West Ellerbe Creek Trail

STIP/TIP #: C-5572

Jurisdiction/Agency: City of Durham

WBS or Local ID or Federal Aid #: CON 46401.3.F1

MUNIS #: CH505

Existing Project Schedule and Funding: Enter the most current project information.

Use the MPO database: bitly.com/mpoprojects

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2016	Construction	CMAQ	\$1,082,600	\$0	\$270,650	\$1,353,250
2016	Construction	LOCAL	\$0	\$0	\$579,690	\$579,690
2017	Construction	CMAQ	\$358,640	\$0	\$89,660	\$448,300
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Funding Totals:			\$1,441,240	\$0	\$940,000	\$2,381,240

Total Project
Cost

Proposed Project Schedule and Funding: Enter the full proposed project schedule & funding.

In many cases, the current project information from the above table will be re-entered at the top of the Proposed Table to represent FULL project information.

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2016	Construction	CMAQ	\$1,081,600	\$0	\$270,400	\$1,352,000
2016	Construction	LOCAL	\$0	\$0	\$190,627	\$190,627
2017	Construction	CMAQ	\$358,640	\$0	\$89,660	\$448,300
2017	Construction	STBGDA	\$383,670	\$0	\$95,918	\$479,588
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
			\$0	\$0	\$0	\$0
Funding Totals:			\$1,823,910	\$0	\$646,605	\$2,470,515

Total Project
Cost

TIP Amendment Request - Revise An Existing Project

Project Details - Continued

Please provide previous STIP/TIP # or new STIP/TIP # (if applicable):

If this amendment has already been reflected in the NCDOT STIP, please provide date of STIP action and attach supporting information:

Project Description/Details/Termini/etc. to be amended (if applicable):

West Ellerbe Creek Trail construction phase 2, Westover Park to Stadium Drive in Durham.

Please provide additional details or explanation related to this amendment request such as explanation for schedule delays, project cost changes, or other supporting information (if applicable). For example, why is this amendment being requested?

Directing STBGDA to this project and including them in the current STIP so they can be obligated in FFY 2017. Of the STBGDA funds, \$380,081 are from the City of Durham's allocation and \$3,589 are from Durham County. Update the amount of local and CMAQ funds available for the project.

Please email completed form and any supporting documents to DCHC MPO TIP manager. Please follow-up with TIP manager to confirm receipt of form.



Durham - Chapel Hill - Carrboro
Metropolitan Planning Organization Technical Committee
May 24, 2017

FY 2016-2025 TIP Amendment #10 Summary Sheet

See full report for additional information on each project.

- **C-5572 West Ellerbe Creek Trail:** Dedicate \$383,670 in FY17 STBGDA funds to allow for construction in the current fiscal year.

**RESOLUTION TO MODIFY THE 2016-2025 TRANSPORTATION
IMPROVEMENT PROGRAM FOR THE DURHAM-CHAPEL HILL-CARRBORO
METROPOLITAN PLANNING AREA**

AMENDMENT #10

June 14, 2017

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

WHEREAS, the Transportation Improvement Program (TIP) is a staged multiple year listing of all federally funded transportation projects scheduled for implementation within the Durham-Chapel Hill-Carrboro Metropolitan Planning Area which have been selected from a priority list of projects; and

WHEREAS, the document provides the mechanism for official endorsement of the program of projects by the MPO Board; and

WHEREAS, the inclusion of the TIP in the transportation planning process was first mandated by regulations issued jointly by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) and no project within the planning area will be approved for funding by these federal agencies unless it appears in the officially adopted TIP; and

WHEREAS, the procedures for developing the TIP have been modified in accordance with certain provisions of the MAP-21 Federal Transportation Act, Fixing America's Surface Transportation (FAST) Act, and guidance provided by the State; and

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

WHEREAS, the North Carolina Department of Transportation and the MPO Board have determined it to be in the best interest of the Urban Area to amend the FY 2016-2025 Transportation Improvement Program as described in the attached sheets; and

WHEREAS, in the summer 2015 the United States Environmental Protection Agency designated the DCHC MPO Urbanized Area as attainment for air quality conformity; and

WHEREAS, the DCHC MPO certifies that this TIP amendment is consistent with the intent of the DCHC MPO 2040 Metropolitan Transportation Plan (MTP); and

BE IT THEREFORE RESOLVED that the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Board hereby approve the Amendment #10 to the FY 2016-2025 Transportation Improvement Program of the Durham-Chapel Hill-Carrboro Urban Area, as approved by the Board on June 14, 2017, and as described in the "FY 2016-2025 TIP Amendment #10 Summary Sheets" on this, the 14th day of June, 2017.

Stephen M. Schewel, MPO Board Chair

Durham County, North Carolina

I certify that Stephen M. Schewel personally appeared before me this day acknowledging to me that he signed the forgoing document.

Date: June 14, 2017

Frederick Brian Rhodes, Notary Public
My commission expires: May 10, 2020

MEMORANDUM

To: DCHC MPO Board

From: DCHC MPO Lead Planning Agency

Date: May 10, 2017

Subject: **Lead Planning Agency (LPA) Synopsis of Staff Report**

This memorandum provides a summary status of tasks for projects in the FY 2014-2015 Unified Planning Work Program.

- Indicates that task is ongoing and not complete.
- ✓ Indicates that task is complete.

FY 2015-2016 Unified Planning Work Program (UPWP) – Projects

Comprehensive Transportation Plan (CTP)

- ✓ Deficiency Analysis – December 2014-January 2015
- ✓ Release Draft CTP Deficiency Analysis for Public Comment – February 2015
- ✓ Submit draft CTP to NCDOT for internal review – June 2016
- ✓ Release CTP for Public Comment – December 2016
- ✓ Draft CTP to Local Jurisdictions - December 2016 to February 2017
- ✓ MPO Adopts CTP – May 2017
- NCDOT BOT Adopts CTP – June 2017
- Final CTP documentation and distribution – June 2017

2045 Metropolitan Transportation Plan (MTP)

- ✓ MTP Schedule/Timeline & development process Approval – January 2016
- ✓ MTP Public Involvement plan – January 2016
- ✓ MTP Goals, Objectives and Performance Measures – In progress
- ✓ Deficiency Analysis & Needs Assessment– May 2017
- ✓ Socioeconomic Forecasts – May 2017
- ✓ Land use Scenarios – May 2017
- Alternative Analysis – June 2017
- Preferred Option –September 2017
- Air Quality analysis and Conformity Adopted (if required) – TBD
- Adopt 2045 MTP and Conformity Determination Report (CDR) (If required) – November 2017
- Technical report and implementation – November 2017

MPO Community Viz. Scenarios Planning and Visualization -2.0 (Connect 2025)

- ✓ Field verification – Complete
- ✓ Focus Groups/Delphi Process – FY 2015
- ✓ Model update and testing – September 2016
- ✓ Model/Scenario Building – May 2017
- Adopted SE Data – November 2017

SE Data Update & Projections – Employment /Housing/Population Verification

- ✓ Setup of Employment Analyst Web tool using INFO-USA data - complete
- ✓ Conduct training of local planner use of Employment Analyst - December 2015
- ✓ Base Year Employment/population and housing update and quality checks – August 2015
- ✓ Development of socio-economic and demographic County Guide Totals – September 2016
- ✓ Local Review/concurrence and endorsement of County Guide Totals – February 2017
- ✓ TRM Service Bureau review of base SE Data – August – September 2015
- Development of 2025, 2035 and 2045 socio-economic and demographic projections and forecasts – May 2017

2015/2016 MPO Data Collection & Surveillance of Change (Traffic/Travel Time/Crash/Transit)

- ✓ Data collection (Volume/Trucks/Travel Time/Speed) – ongoing –continuous data collection
- ✓ Data collection (Volume/Trucks/Travel Time/Speed) – ongoing –continuous data collection
- ✓ Transit data collection – ongoing –continuous data collection

GIS Online (AGOL)/Data Management

- ✓ MPO Interactive GIS/Mapping – Continuous/On-going
- ✓ Development of public portals for MPO applications – Continuous/On-going
- ✓ Maintenance and updates – Continuous/On-going
- ✓ Development of open data – Continuous/On-going

MPO Congestion Management Process/Mobility Report Card (MRC)

- ✓ Mobility Report Card – Draft report under review
- ✓ Congestion monitoring – Continuously – On-going

MPO Website Update and Maintenance

- ✓ Post Launch Services – Continuous/On-going
- ✓ Interactive GIS – Continuous/On-going
- ✓ Facebook/Twitter management – Continuous/On-going
- ✓ Enhancement of Portals – Continuous/On-going

Triangle Regional Model Update

- ✓ Household Survey – Pilot completed
- ✓ Parking Survey
- ✓ Household Survey – On-going
- ✓ Onboard Transit Survey – Fall 2015/Spring 2016
- ✓ Calibration/Validation of Models for MTP analysis
- ✓ Sensitivity and elasticity analysis for travel demand model
- ✓ Generation of model measures of effectiveness
- Generate demand forecasts for horizon year and intermediate years

Prioritization 5.0/STI

- ✓ Summarize MPO P4 projects not funded (“Holding Tank” for P5) –February 2017
- Existing project deletion due to NCDOT for receiving extra new submittals (one out, one in) – June 16, 2017
- Preparation and submission of existing projects revisions / modifications – February to June 2017
- Board approves existing projects revisions/modifications projects to be submitted for SPOT-5 – May 10, 2017 (deadline June 16, 2017)
- Preparation and ranking of new projects (23 for each mode) –February to May 2017

- Board approves new projects to be submitted for SPOT-5 – June 14, 2017
- SPOT-5 Online opens for entering new P5 projects July 5 to September 15, 2017
- MPO submits new SPOT-5 projects to NCDOT – September 1, 2017
- LPA updates local ranking methodology – February 2018
- TCC makes recommendation on local ranking methodology – February 2018
- Board approves local ranking methodology – March 2018
- Deadline for approval of Local Input Points Assignment Methodologies – April 1, 2018
- MPO applies local ranking methodology (points) – April - May 2018
- Board releases MPO assigned points for local input/public comments – April 11, 2018
- Board holds public hearing – June 2018
- LPA addresses public comments and makes draft recommendation on local points for Regional category – June 2018
- Approval of Regional Impact points – June 2018
- Submission of Regional Impact points to NCDOT – June 2018
- Assignment of Division Needs points (begins August 2018)

2018-2027 TIP

- ✓ LPA Staff releases call for projects for inclusion into 2018-27 MTIP – February 22, 2017
- ✓ MPO Board releases Draft STIP for public comment – March 8, 2017
- ✓ MPO Board holds public hearing on Draft STIP – April 12, 2017
- ✓ Local projects due to LPA staff for inclusion in MTIP – April 17, 2017
- Draft MTIP prepared by LPA staff – May 10, 2017
- Final amendments to FY16-25 STIP due to LPA staff – May 10, 2017
- TC reviews Draft MTIP and FY16-25 STIP Amendment – May 24, 2017
- MPO Board reviews Draft MTIP – June 14, 2017
- State Board of Transportation approves FY18-27 STIP – June 2017
- TC approval of the 2018-27 MTIP – July 26, 2017
- MPO Board Approval of the 2018-2027 MTIP – August 9, 2017

MPO Environmental Justice (EJ) Report

- ✓ Review of Draft Environmental Justice Report – Completed and adopted by the Board
- ✓ Draft Environmental Justice public update as recommended by the Federal Certification – (awaiting federal rule making)
- ✓ Analysis and integration of MTP Environmental Justice component – TBD

MAP-21 Performance Measurement

- ✓ Federal requirement – to be developed in concert with NCDOT and transit operators – On-going

Regional Freight Plan

- ✓ Consultant Selection/Contract Approval Complete
- ✓ Kick-Off Meeting – Conducted in July 2015
- ✓ Stakeholder outreach and engagement – October 2015
- ✓ Formation of the freight advisory committee – October 2015
- ✓ Data collection, analysis and assessment – November 2015
- ✓ Freight goals & objectives and performance measures – February 2016
- ✓ Analysis of freight existing conditions and trends – TBD
- ✓ Forecasts of future demands (2035 and 2045) – TBD
- ✓ Evaluation of future conditions – TBD
- ✓ Strategic freight corridors and zones – TBD

- Recommendation & implementation strategies – TBD
- Final report and presentation – TBD

MPO ADA Transition Plan

- ✓ Update self-assessment – Underway
- ✓ Draft MPO Transition Plan – August 2015
- ✓ Local reviews – September 2015
- ✓ FHWA review – September 2015
- ✓ Public comments – October-December 2015
- ✓ Stakeholder outreach – February 2017
- Roundtable discussion – May 11, 2017
- Final approval – August 2017

NC 98 Corridor Study

- ✓ Project kick-off and initial public engagement – February 2017
- Transportation analysis (and public engagement) – June 2017
- Conceptual designs and options (and public engagement) – August 2017
- Final plan – February 2018

NC 54 West Corridor Study

- ✓ Select consultant – February 2017
- Project kick-off and initial public engagement – April 2017
- Inventory and Existing Conditions – June 2017
- Transportation analysis (and public engagement) – September 2017
- Conceptual designs and options (and public engagement) – December 2017
- Final plan – March 2018

Contract Number: C203273 Division: 5 TIP Number: Length: 1.189 miles NCDOT Contact: E. Boyd Tharrington, PE Location Description: REPLACEMENT OF 4 BRIDGES IN DURHAM CO, 3 BRIDGES IN GRANVILLE CO AND 1 BRIDGE IN VANCE CO. Contractor Name: FSC II LLC DBA FRED SMITH COMPANY Contract Amount: \$8,800,000.00 Work Began: 04/29/2013 Original Completion Date: 09/30/2016 Latest Payment Thru: 02/28/2017 Latest Payment Date: 03/27/2017		Route: - County: Durham Federal Aid Number: NCDOT Contact No: (919)220-4600 Scheduled Progress: 100% Actual Progress: 89.8%	
Contract Number: C203394 Division: 5 TIP Number: U-0071 Length: 4.009 miles NCDOT Contact: Cameron D. Richards Location Description: EAST END CONNECTOR FROM NORTH OF NC-98 TO NC-147 (BUCK DEAN FREEWAY) IN DURHAM. Contractor Name: DRAGADOS USA INC Contract Amount: \$141,949,500.00 Work Began: 02/26/2015 Original Completion Date: 01/10/2020 Latest Payment Thru: 03/31/2017 Latest Payment Date: 04/11/2017		Route: I-885, NC-147, NC-98 US-70 County: Durham Federal Aid Number: NCDOT Contact No: (919)840-0914 Scheduled Progress: 44.62% Actual Progress: 39.19%	
Contract Number: C203567 Division: 5 TIP Number: U-3308 Length: 1.134 miles NCDOT Contact: Troy B. Brooks, PE Location Description: NC-55 (ALSTON AVE) FROM NC-147 (BUCK DEAN FREEWAY) TO NORTH OF US-70BUS/NC-98 (HOLLOWAY ST). Contractor Name: ZACHRY CONSTRUCTION CORPORATION Contract Amount: \$39,756,916.81 Work Began: 10/05/2016 Original Completion Date: 03/30/2020 Latest Payment Thru: 04/15/2017 Latest Payment Date: 04/20/2017		Route: NC-55 County: Durham Federal Aid Number: STP-55(20) NCDOT Contact No: (919)220-4680 Scheduled Progress: 16.6% Actual Progress: 9.46%	
Contract Number: C203883 Division: 5 TIP Number: Length: 21.371 miles NCDOT Contact: Cameron D. Richards Location Description: US-501 FROM NORTH OF SR-1448 TO PERSON COUNTY LINE AND 9 SECTIONS OF SECONDARY ROADS. Contractor Name: FSC II LLC DBA FRED SMITH COMPANY Contract Amount: \$4,868,862.06 Work Began: 03/02/2017 Original Completion Date: 06/30/2017 Latest Payment Thru: 03/31/2017 Latest Payment Date: 04/06/2017		Route: SR-1109, SR-1205, SR-1331 SR-1358, SR-1631, SR-1815 SR-2019, SR-2482, SR-2745 US-501 County: Durham Federal Aid Number: NCDOT Contact No: (919)840-0914 Scheduled Progress: 28.62% Actual Progress: 11.06%	
Contract Number: DE00172 Division: 5 TIP Number: I-5307B Length: 0 miles NCDOT Contact: Cameron D. Richards Location Description: BRIDGE #342 ON I-540 OVER I-40 & NW EXPRESSWAY IN DURHAM COUNTY Contractor Name: PROSHOT CONCRETE, INC. Contract Amount: \$0.00		Route: I-540 County: Durham Federal Aid Number: IM-0540(035) NCDOT Contact No: (919)840-0914 Cost Overrun/Underrun: 0%	

Work Began: 05/22/2017 Original Completion Date: 06/09/2017 Latest Payment Thru: Latest Payment Date:	Letting Date: 10/26/2016 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0%
Contract Number: DE00173 Division: 5 TIP Number: W-5205V Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: SR 1104/SR 1105 (HERNDON RD) AT SR 1106 (MASSEY CHAPEL/ BARBEE RD) IN DURHAM COUNTY Contractor Name: TRIANGLE GRADING & PAVING INC Contract Amount: \$0.00 Work Began: 05/01/2017 Original Completion Date: 08/18/2017 Latest Payment Thru: Latest Payment Date:	Route: SR-1104 County: Durham Federal Aid Number: HSIP-1104(19) NCDOT Contact No: (919)220-4680 Cost Overrun/Underrun: 0% Letting Date: 11/09/2016 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0%
Contract Number: DE00177 Division: 5 TIP Number: Length: 28.57 miles NCDOT Contact: Troy B. Brooks, PE Location Description: VARIOUS SECONDARY ROUTES IN DURHAM AND PERSON COUNTIES Contractor Name: WHITEHURST PAVING CO INC Contract Amount: \$0.00 Work Began: 04/17/2017 Original Completion Date: 06/30/2017 Latest Payment Thru: Latest Payment Date:	Route: - County: Durham Federal Aid Number: NCDOT Contact No: (919)220-4680 Cost Overrun/Underrun: 0% Letting Date: 09/28/2016 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0%
Contract Number: DE00195 Division: 5 TIP Number: I-5729A Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: I-85 FROM 0.5 MILES W OF US 501 TO 0.1 MILES EAST OF SR 1827 IN DURHAM COUNTY Contractor Name: FSC II LLC DBA FRED SMITH COMPANY Contract Amount: \$0.00 Work Began: 04/17/2017 Original Completion Date: 10/31/2017 Latest Payment Thru: Latest Payment Date:	Route: I-85 County: Durham Federal Aid Number: NHPP-0085(027) NCDOT Contact No: (919)220-4680 Cost Overrun/Underrun: 0% Letting Date: 03/08/2017 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0%
Contract Number: DE00211 Division: 5 TIP Number: R-5785B Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: MUNICIPALITIES OVER 5,000 POPULATION VARIOUS ROUTES DIVISIONWIDE Contractor Name: CAROLINA EARTH MOVERS, INC. Contract Amount: \$0.00 Work Began: Original Completion Date: 08/31/2017 Latest Payment Thru: Latest Payment Date:	Route: - County: Durham Federal Aid Number: TAP-0505(079) NCDOT Contact No: (919)220-4680 Cost Overrun/Underrun: 0% Letting Date: 03/20/2017 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0%
Contract Number: DE00212 Division: 5 TIP Number: R-5785A Length: 0 miles NCDOT Contact: David B. Moore Location Description: MUNICIPALITIES LESS THAN 5,000 POPULATION VARIOUS ROUTES DIVISIONWIDE Contractor Name: CAROLINA EARTH MOVERS, INC. Contract Amount: \$0.00 Work Began:	Route: - County: Durham Federal Aid Number: TAP-0505(078) NCDOT Contact No: (919)250-4202 Cost Overrun/Underrun: 0% Letting Date: 10/12/2016

Original Completion Date: 08/31/2017**Latest Payment Thru:****Latest Payment Date:****Revised Completion Date:****Scheduled Progress:** 0%**Actual Progress:** 0%

<u>LET Est</u>	<u>TIP Sub No.</u>	<u>Let Type</u>	<u>Description</u>	<u>R/W (B)</u>	<u>Con Est</u>	<u>ROW Est</u>	<u>Comments</u>
02/17	U-4726HM	NON - DOT LET (Local)	DURHAM - SIDEWALK ON AVONDALE DRIVE				To be let after SR-5001C
03/17	SR-5001C	NON - DOT LET (Local)	SAFE ROUTES TO SCHOOLS DURHAM - FAYETTEVILLE STREET ELEMENTARY SCHOOL	07/16			Delay to April
03/17	C-5178	NON - DOT LET (Congestion Mitigation)	DURHAM - CAMPUS WALK AVENUE, MORRENE ROAD TO LASALLE STREET AND LASALLE STREET, KANGAROO DRIVE TO ERWIN ROAD CONSTRUCTSIDEWALKS		\$336,000		To be let after SR-5001C
04/17	U-4726HJ	NON - DOT LET (Local)	CONSTRUCTION OF SIDEWALKS ON NC 751 BETWEEN GARRETT RD AND NC 54, AND ON NC 54 BETWEEN NC 751 AND DRESDEN DRIVE				Acquisitions to be completed by May
05/17	2017CPT.05.09	Division Design Raleigh Let (DDRL)	Contract Resurfacing		\$1,100,000		
05/17	EB-4707B	Division Design Raleigh Let (DDRL)	DURHAM/CHAPEL HILL - SR 2220 (OLD DURHAM CHAPEL HILL ROAD) FROM SR 1113 (POPE ROAD) TO SR 1116 (GARRETT ROAD)	08/12	\$5,350,000		Waiting on Utility agreement from City to open bids Includes roundabout at Pope Rd
05/17	W-5601GD	Division POC Let (DPOC)	SR 1361 (VICKERS AVENUE) AT LAKEWOOD AVENUE	11/16	\$10,000	No R/W needed	to be let 5/17 with W-601GG, W-5601HX, W-5601HY
05/17	R-4436EJ	Division POC Let (DPOC)	INTERCHANGE OF I-85 AND SR 1637 (REDWOOD ROAD) IN DURHAM COUNTY CONSTRUCTION OF FOUR (4) STORMWATER BMP BIO-SWALES		\$151,594		
05/17	W-5601GG	Division POC Let (DPOC)	SR 1327 (GREGSON STREET) AT MAIN STREET, MORGAN STREET AND SR 1669 (CLUB BOULEVARD)	12/16	\$63,000	\$10,000	
05/17	W-5601HX	Division POC Let (DPOC)	NC 55 AT ALLENDOWN DRIVE SAFETY IMPROVEMENTS	04/17	\$100,000		
05/17	W-5601HY	Division POC Let (DPOC)	US 501 (DUKE STREET) AT STADIUM DRIVE, SAFETY IMPROVEMENTS	03/17	\$55,000	\$5,000	
05/17	W-5601EH	Division POC Let (DPOC)	SR 1118 (FAYETTEVILLE ROAD) AT COOK ROAD. SAFETY IMPROVEMENTS.	09/17	\$545,000	\$130,000	Signal Only, in design
05/17	W-5601GD	Division POC Let (DPOC)	SR 1361 (VICKERS AVENUE) AT LAKEWOOD AVENUE		\$10,000		
07/17	B-4943	Raleigh Letting (LET)	REPLACE BRIDGE 20 OVER DIAL CREEK ON SR 1616	12/16	\$1,450,000	\$92,000	
08/17	W-5601EM	Division POC Let (DPOC)	SR 1118 (FAYETTEVILLE ROAD) AT PILOT STREET AND CECIL STREET. SAFETY IMPROVEMENTS.		\$14,000		under construction
09/17	W-5707C	Division POC Let (DPOC)	I-40 WESTBOUND AT US 15-501 SOUTH OF DURHAM IN ORANGE AND DURHAM COUNTIES. REVISE PAVEMENT MARKINGS AND OVERHEAD LANE USE SIGNS ON I-40 WESTBOUND IN VICINITY OF US 15-501.	06/17	\$145,000		Division 7 Design
09/17	W-5705K	Division POC Let (DPOC)	SR 1327(GREGSON STREET)AT LAMOND AVENUE(MP:0.386-0.386); AND SR 1445(DUKE STREET)AT WEST CORPORATION STREET (MP:1.230-1.230) SAFETY IMPROVEMENTS	06/17	\$65,000	\$5,000	design
09/17	EB-5514	NON - DOT LET (Bicycle and Pedestrian)	UNIVERSITY DRIVE (SR 2220, NC 751, SR 1183) FROM SR 2220 OLD CHAPEL HILL ROAD) TO SR 1158 (WEST CORNWALLIS ROAD)		\$1,025,000		
09/17	EB-5703	NON - DOT LET (Bicycle and Pedestrian)	DURHAM - LASALLE STREET FROM KANGAROO DRIVE TO SPRUNT AVENUE		\$525,000		

<u>LET Est</u>	<u>TIP Sub No.</u>	<u>Let Type</u>	<u>Description</u>	<u>R/W (B)</u>	<u>Con Est</u>	<u>ROW Est</u>	<u>Comments</u>
09/17	EB-5704	NON - DOT LET (Bicycle and Pedestrian)	DURHAM - RAYNOR STREET FROM NORTH MIAMI BOULEVARD TO NORTH HARDEE STREET		\$250,000		
09/17	EB-5708	NON - DOT LET (Bicycle and Pedestrian)	NC 54 FROM NC 55 TO RESEARCH TRIANGLE PARK WESTERN LIMIT INDURHAM CONSTRUCT SECTIONS OF SIDEWALK ON SOUTH SIDE		\$250,000		
09/17	EB-5715	NON - DOT LET (Bicycle and Pedestrian)	US 501 BYPASS (NORTH DUKE STREET) FROM MURRAY AVENUE TO US 501 BUSINESS (NORTH ROXBORO ROAD) IN DURHAM CONSTRUCT SIDEWALK ON EAST SIDE TO FILL IN EXISTING GAPS		\$1,154,000		
10/17	I-5729	Division POC Let (DPOC)	I-85 - US 15/US 501 TO EAST OF SR 1827 (MIDLAND TERRACE ROAD) IN DURHAM. PAVEMENT PRESERVATION.		\$8,319,000		
10/17	17BP.5.R.54	Division POC Let (DPOC)	REPLACE BRIDGE 117 OVER MUD CREEK ON SR 1308 (CORNWALLIS ROAD)		\$600,000		
12/17	44932.3.1	On Call Contract (OCC)	US 70 Bus (Hillsborough Rd) at US 15-501 SB Ramp. Widen for an eastbound right turn lane		\$117,000		Preliminary design in progress.
01/18	W-5705C	Division POC Let (DPOC)	US 501 AT GARRETT ROAD, US 501 BUSINESS AT WESTGATE DRIVE, US 501 BUSINESS AT TOWER BOULEVARD, AND US 501 BUSINESS AT SHANNON ROAD SAFETY IMPROVEMENTS		\$375,000	No R/W needed	central design
02/18	EB-4707A	Division POC Let (DPOC)	SR 1838/ SR 2220 FROM US 15/501 IN ORANGE COUNTY TO SR 1113(POPE ROAD) IN DURHAM COUNTY BICYCLE, PEDESTRIAN AND TRANSIT IMPROVEMENTS	08/15	\$3,500,000	\$1,534,000	
09/18	C-5183B	NON - DOT LET (Congestion Mitigation)	SR 1945 (S ALSTON AVENUE) FROM SR 1171 (RIDDLE ROAD) TO CAPPS STREET. CONSTRUCT SIDEWALKS IN DURHAM		\$706,000	\$99,000	
09/18	U-4724	NON - DOT LET (Bicycle and Pedestrian)	SR 1158 (CORNWALLIS RD) FROM SOUTH ROXBORO RD TO SR 1183 (UNIVERSITY DR) IN DURHAM, BIKE AND PEDESTRIAN FEATURES.		\$4,978,000		
09/18	C-4928	NON - DOT LET (Congestion Mitigation)	CONSTRUCT BIKE LANES AND SIDEWALKS ON SR 1317 (MORRENE RD) IN DURHAM FROM NEAL ROAD TO ERWIN ROAD	09/17	\$5,783,000	\$7,000	
12/18	U-5745	Division POC Let (DPOC)	NC 751 (HOPE VALLEY ROAD) AT SR 1183 (UNIVERSITY DRIVE) INTERSECTION IN DURHAM. CONSTRUCT ROUNDABOUT.	12/17	\$1,300,000	\$150,000	Public meeting in early summer.
06/19	U-4726HN	NON - DOT LET (Local)	CONSTRUCT BIKE LANES/SIDEWALKS IN DURHAM - HILLANDALE ROAD	09/17			
08/19	U-5516	Raleigh Letting (LET)	FROM US 501 (ROXBORO ROAD) TO SR 1448 (LATTA ROAD) / SR 1639 (INFINITY ROAD) IN DURHAM	08/18	\$2,100,000	\$2,000,000	
09/19	EB-5720	NON - DOT LET (Bicycle and Pedestrian)	BRYANT BRIDGE TRAIL - NC 55 TO KELLY BRYANT BRIDGE IN DURHAM		\$1,061,000		
10/19	B-5512	Raleigh Letting (LET)	REPLACE BRIDGE 89 OVER LICK CREEK ON SR 1902	10/18	\$1,050,000	\$100,000	
06/21	U-5823	NON - DOT LET (Local)	WOODCROFT PARKWAY EXTENSION. FROM SR 1116 (GARRETT ROAD) TONC 751 (HOPE VALLEY ROAD) IN DURHAM. CONSTRUCT ROADWAY ON NEW ALIGNMENT.	05/20	\$1,798,000	\$421,000	
03/22	U-5720A	Design Build Let (DBL)	US 70 (MIAMI BLVD) FROM LYNN ROAD TO SR 1959 (SOUTH MIAMI BOULEVARD/SR 1811 (SHERRON ROAD)		\$78,705,000	\$30,315,000	
03/22	U-5720B	Design Build Let (DBL)	US 70 (MIAMI BLVD) FROM LYNN ROAD TO SR 1959 (SOUTH MIAMI BOULEVARD/SR 1811 (SHERRON ROAD)		\$22,914,000	\$2,190,000	

NCDOT DIV 7 PROJECTS LOCATED IN DCHCMPO

Technical Committee 5/24/2017 Item 11

TIP/WBS #	Description	Start/Let date	Completion Date	Status	Cost	Comments
R-5787B 44917.3.3	Curb ramp improvements at various intersections in Orange and Alamance Co.	May. 2017	Fall 2017	Planning and design activities underway.	\$100,000	TAP, DMP
SS-4907BS 44894.2.1 44894.3.1	Installation of traffic signal at the intersection of US70 and SR 1114 (Buckhorn Road) East of Mebane .	Apr. 2017	Jun. 2017	Signal design complete, R/W plans being developed	\$40,500 R/W \$43,200 CON	State Spot Safety, Constr. By State Forces , May need R/W
U-5846 50236.1.1 50236.2.1 50236.3.1	Construct a Roundabout at SR 1772 (Greensboro Street) and SR 1780 (Estes Drive) in Carrboro .	Jan. 2018	Mar. 2019	Planning and design activities underway, R/W plans complete June 2017	\$775,000	STIP, P3.0, PEF-SEPI, Surveys received 3/15, DMP , Public meeting on Nov. 14
U-5847 50238.1.1 50238.2.1 50238.3.1	Intersection improvements at SR 1010 (West Franklin St.) and SR 1771 (Merritt Mill Rd)/SR1927 (Brewer Lane) in Chapel Hill / Carrboro .	Jan. 2019	Mar. 2019	Planning and design activities underway, R/W plans complete Jan. 2018	\$775,000	STIP, P3.0, PEF-STANTEC, Surveys received, traffic forecast and analysis complete, DMP
U-5854 46382.1.1 46328.2.1 46382.3.1	Construct a roundabout at SR 1008 (Mt. Carmel Church Road) and SR 1913 (Bennett Road) in Chapel Hill	Jun. 2018	Fall 2019	Planning and design activities underway, R/W plans complete June 2017, utility coordination underway	\$775,000	STIP, P3.0, PEF-SEPI, DMP
W-5707A 44853.1.1	Curb ramp improvements for ADA compliance at the following intersections: SR 2048 (South Road) at Raleigh Street; SR 2048 (South Road) at Country Club Road, SR 1902 (Manning Drive) at Paul Hardin Drive, and SR 1902 (Manning Drive) at Ridge Road / Skipper Bowles Road in Chapel Hill	4/20/2017	7/31/17	Planning and design activities underway. Signal pedestrain improvements complete.	\$10,000 PE \$60,000 CON	HSIP, DMP



North Carolina Department of Transportation

Active Projects Under Construction - Orange Co.

<u>Contract Number</u>	<u>Location Description</u>	<u>Contractor Name</u>	<u>Resident Engineer</u>	<u>Contract Bid Amount</u>	<u>Availability Date</u>	<u>Work Start Date</u>	<u>Completion Date</u>	<u>Progress Schedule</u>	<u>Completion Percent</u>
C203274	REPLACEMENT OF 11 BRIDGES IN ALAMANCE CO AND 3 BRIDGES IN ORANGE CO.	HAYMES BROTHERS, INC.	Kirkman, PE, Christopher D	\$6,356,520.00	04/29/2013	05/23/2013	12/13/2016	99.00	98.89
C203640	REPLACEMENT OF 4 BRIDGES IN GUILFORD COUNTY AND 3 BRIDGES IN ORANGE COUNTY.	HAYMES BROTHERS, INC.	Lorenz, PE, Kris	\$3,124,500.00	06/01/2015	09/02/2015	11/01/2017	63.00	46.07
C203641	REPLACEMENT OF 5 BRIDGES IN GUILFORD COUNTY AND 5 BRIDGES IN ORANGE COUNTY.	R.E. BURNS & SONS CO., INC.	Kirkman, PE, Christopher D	\$5,940,323.00	06/01/2015	06/01/2015	11/01/2018	42.50	87.50
DG00298	PASCHALL DRIVE FROM GORDON THOMAS DRIVE TO SR 1841 AND GREENBRIAR TRIAL TO SR 1846, REMOVE R/R CROSSINGS	TRIANGLE GRADING & PAVING INC	Kirkman, PE, Christopher D	\$1,493,600.00	06/06/2016	06/10/2016	06/06/2017	100.00	99.95
DG00299	RESURFACE 22 SECTIONS OF SEC. ROADS IN S. EASTERN ORANGE CO.	CAROLINA SUNROCK LLC	Kirkman, PE, Christopher D	\$1,331,325.36	06/01/2016	09/28/2016	11/17/2017	22.00	45.83
DG00302	EXTEND BRYDSVILLE ROAD TO NC 86 AND REMOVE RAIL CROSSING	TRIANGLE GRADING & PAVING INC	Kirkman, PE, Christopher D	\$1,683,900.00	07/01/2016	09/29/2016	12/30/2017	48.36	16.35
DG00319	RESURFACE SR 1002 (ST. MARY'S ROAD) FROM US 70 TO THE DURHAM CNTY LINE AND SR 1548 (SCHLEY ROAD) FROM NC 57 TO SR 1002	CAROLINA SUNROCK LLC	Kirkman, PE, Christopher D	\$2,173,386.35	04/03/2017	03/06/2017	11/17/2017		
DG00323	INSTALLATION OF FIBER-OPTIC COMMUNICATION NETWORK AND RELATED WORK FOR CENTER TO CENTER CONNECTION	ALS OF NORTH CAROLINA, INC.	Kirkman, PE, Christopher D	\$885,605.60	11/14/2016	02/27/2017	09/09/2017	13.50	12.80
DG00324	REPLACE BRIDGE NO. 126 ON SR 1526 (GRAY ROAD) OVER LICK CREEK WITH AN ALUMINUM ARCH CULVERT	FSC II LLC DBA FRED SMITH COMPANY	Kirkman, PE, Christopher D	\$974,479.00	10/24/2016	01/16/2017	11/01/2017	80.00	82.36
DG00325	INSTALL ARCH PIPE ON SR 1919 (SOUTH GREENSBORO STREET) AT NC 54	FSC II LLC DBA FRED SMITH COMPANY	Kirkman, PE, Christopher D	\$1,970,791.00	11/14/2016	12/07/2016	11/30/2017	28.00	37.33
DG00331	RESURFACE 17 SECTIONS OF SECONDARY ROADS AND WIDEN AND RESURFACE SR 1354, SR 1504, SR 1506 AND SR 1577	CAROLINA SUNROCK LLC	Kirkman, PE, Christopher D	\$2,144,964.12	04/03/2017	03/09/2017	11/17/2017		
DG00332	INSTALLATION OF GUARDRAIL END TERMINAL UPGRADES ON I-85	NICKELSTON INDUSTRIES, INC.	Kirkman, PE, Christopher D	\$494,243.00	12/05/2016		09/05/2017		
DG00345	LANDSCAPING ON SR 1733 (WEAVER DAIRY ROAD)	MOTS LANDSCAPING & LAWNS LLC	Kirkman, PE, Christopher D	\$73,101.80	01/23/2017		06/15/2018		

ACTIVE PROJECTS							
TIP/WBS # or Contract #	Project Description	Length (mi)	Let Date	Completion Date	Cost	Contractor	Comments
44195.3.1 DH00212	Construct a southbound left turn lane on NC 751 at New Hope Church Road & at NC 751 at SR 1617 Big Woods Road	1.74	9/27/2016	2/27/2018	\$1,489,500.00	FSC II, LLC, DBA Fred Smith Company	40% Completion
DH00211, 44807.3.1, SS- 4908BB	Improve edgeline and centerline markings on SR 1731 O'Kelly Chapel Rd from NC 751 to beginning of three lane section west of Pittard Sears Rd. Work includes adding 6" Thermoplastic w/Highly Reflective Elements (Edgelines) and 4" Thermoplastic Standard Bead (centerline)	2.2	9/13/2016	7/30/2017	TBD	Clark Pavement Marking, Inc	Contract covers other various counties.

UPCOMING PROJECTS				
TIP/WBS # or Contract #	Project Description	Let Date	Cost	Comments
EB-5739	Construct bicycle lanes on SR 1532 Manns Chapel Rd from SR 1534 Poythress Rd to US 15-501	9/27/2017	TBD	Deleting from STIP at the request of Chatham County
EB-5738	Construct Bicycle Lanes on SR 1008 Farrington Road	9/26/2017	TBD	Deleting from STIP at the request of Chatham County