

Technical Committee Meeting Agenda

Wednesday, April 25, 2018

9:00 AM

Durham Convention Center 301 West Morgan Street Durham, NC 27701

18-131

18-133

1. Roll Call

2. Adjustments to the Agenda

3. Public Comment

CONSENT AGENDA

4. Approval of the March 28, 2018 TC Meeting Minutes

A copy of the March 28, 2018 minutes is enclosed. **TC Action:** Approve the minutes of the March 28, 2018 TC meeting.

Attachments: 2018-04-25 (18-131) 3.28.18 TC Meeting Minutes LPA2.pdf

ACTION ITEMS

5. Initial Allocation of Local Input Points for Regional Impact Projects (20 minutes)

Aaron Cain, LPA Staff

On March 14, 2018, the DCHC MPO Board approved the revised Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Methodology for Identifying and Ranking New Transportation Improvement Program Project Requests (see attached), which was subsequently approved by NCDOT on March 15, 2018. The Methodology directs DCHC MPO staff to apply certain criteria to all Regional projects (and Statewide projects that cascade to the Regional level) as an initial determination of which projects should receive local points.

A memo is included with this agenda item describing the process to determining the initial list of projects, and issues that could be discussed. Attached to that memo is an initial list of projects to be assigned local points. Per the DCHC MPO Public Involvement Policy, the initial list of projects for local points must be released for a 21-day public review period.

DCHC MPO is free to deviate from the initial list for a variety of reasons, as described in the Methodology. Both the Methodology and state law require documentation of the reasons for deviation from the initial list.

TC Action: Develop an initial list of projects to receive local input points, and recommend that the MPO Board release that list for public review.

 Attachments:
 2018-04-25 (18-133) Initial Local Points Memo.pdf

 2018-04-25 (18-133) Initial Local Points Lists.pdf

 2018-04-25 (18-133) Adopted Local Input Points Methodology.pdf

6. <u>MPO Collector Street Plan (20 minutes)</u> Andy Henry, LPA Staff

The DCHC MPO and many of its local jurisdictions have collector street plans. However, many of these plans are dated and together they only cover a small portion of the MPO planning area. In addition, the LPA staff believes that some roadways that were included in the recently adopted Comprehensive Transportation Plan (CTP) and 2045 Metropolitan Transportation Plan (MTP) will be funded, built and function as collector streets, not as arterial roadways. The LPA staff is proposing that the MPO create an MPO-wide collector street plan. The attached presentation provides background on collector streets and collector street plans in the MPO.

TC Action: Discuss the LPA recommendation to complete an MPO-wide collector street plan and provide a recommendation to the MPO Board.

Attachments: 2018-04-25 (18-134) MPOCollectorStreetPlan.pdf

<u>18-134</u>

7. <u>Comprehensive Transportation Plan (CTP) Amendment (10 minutes)</u> Andy Henry, LPA Staff Geoff Green, GoTriangle Julie Bogle, NCDOT Transportation Planning

GoTriangle has requested that the DCHC MPO and NCDOT amend the Comprehensive Transportation Plan (CTP) to change the section of Farrington Road between Southwest Durham Drive and the Falconbridge Road Extension from a four-lane divided to a two-lane cross-section. GoTriangle believes the required right-of-way reservation for the four-lane divided cross-section, which is 120', will hamper the zoning amendment approval process for the Durham-Orange Light Rail Transit's ROMF (Rail Operations and Maintenance Facility). In response to feedback from neighborhood residents and community leaders at multiple public meetings, the ROMF design features buffering including landscaping and visual barriers as well as the use of the topography to minimize views into the building. The additional right-of-way that would be required for the widening of Farrington Road included in the CTP would reduce the amount of buffering between the road and the site.

GoTriangle filed an application for a zoning map amendment and comprehensive plan amendment, and petition for annexation in March 2018. This process is on a tight deadline. The Planning Commission will review it in August or September 2018, and then Durham City Council will conduct a hearing in October and take action in November.

LPA staff believe that a two-lane cross-section is appropriate for that short section. The section of Southwest Durham Drive that is north of the Southwest Durham Drive/Farrington Road convergence will be a four-lane divided facility, and therefore capable of handling vehicles from the convergence of those 2 two-lane roadways. See the attached CTP close-up map and the map showing 2045 traffic volume from the Triangle Regional Model (TRM).

The MPO Public Involvement Policy (PIP) requires a 42-day public review for MTP and CTP adoption and major amendments. Given the high profile subject, the D-O LRT ROMF, LPA staff recommend conducting a public hearing.

TC Action: Discuss the proposed amendment and make a recommendation to the MPO Board.

<u>Attachments:</u> 2018-04-25 (18-136) CTPandROMF.pdf 2018-04-25 (18-136) FarringtonRd2034Volume.pdf

8. <u>Triangle Toll Study Update (10 minutes)</u> Andy Henry, LPA Staff

The DCHC MPO, Capital Area MPO and NCDOT have hired the consultant WSP to conduct a tolling study in the Triangle region. The goal is to determine if toll lanes and/or managed lanes are advisable in the Triangle Region and to develop a strategy to address funding, equity and consensus building issues. The MPO Board received a pre-project presentation in November 2016 and sent a letter to the NCDOT Division 5 Engineer in March 2017 concerning equity issues related to toll lanes. The study has since produced a best practices report and conducted stakeholder meetings. LPA staff will provide a brief update on the most recently completed tasks.

A presentation is attached. The project Web page, www.TriangleTollingStudy.com, has additional information on the project including a copy of the best practices report and a more detailed copy of today's presentation.

TC Action: Receive presentation, provide comments and forward to MPO Board.

Attachments: 2018-04-25 (18-135) TriangleTollingStudy.pdf

9. <u>Amendment #3 to the FY2018-2027 TIP (5 minutes)</u> Aaron Cain, LPA Staff

Federal regulation 23 CFR 450.326 (d) requires that all MPO's incorporate language regarding peformance targets into their TIPs. NCDOT has advised all MPOs to adopt the following language by May 2018 into their TIP:

"The _____ MPO has established performance management targets for highway safety and for transit tier 2 providers that choose to participate in NCDOT's Group Transit Asset Management (TAM) Plan and will establish federally mandated performance management targets for infrastructure condition, congestion, system reliability, emissions, and freight movement. The _____ MPO anticipates meeting their identified targets with the mix of projects included in the TIP."

This language is shown in the attached resolution, which upon adoption shall be incorporated into the DCHC MPO FY2018-27 TIP.

In addition, there are two projects to be amended. These are described in the attached summary sheet and full report.

Board Action: Recommend approval of Amendment #3 of the FY2018-27 TIP.

 Attachments:
 2018-04-25 (18-132) TIP Amendment #3 Full Report.pdf

 2018-04-25 (18-132) TIP Amendment #3 Summary Sheet.pdf

 2018-04-25 (18-132) TIP Amendment #3 Resolution.pdf

18-132

REPORTS FROM STAFF:

10.	Report from Staff Felix Nwoko, LPA Staff TC Action: Receive report from Staff.	<u>18-107</u>
	Attachments: 2018-04-25 (18-107) LPA staff report.pdf	
11.	Report from the Chair Ellen Beckmann, TC Chair TC Action: Receive report from the TC Chair.	<u>18-108</u>
12.	NCDOT Reports 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 Division - NCDOT John Grant, Traffic Operations - NCDOT TC Action: Receive reports from NCDOT.	<u>18-109</u>
	Attachments: 2018-04-25 (18-109) NCDOT Progress Report pdf	

Attachments: 2018-04-25 (18-109) NCDOT Progress Report.pdf

INFORMATIONAL ITEMS:

Adjourn

Next meeting: May 23, 9 a.m., Committee Room

Dates of Upcoming Transportation-Related Meetings: None

1	DURHAM-CHAPEL HILL-CARRBORO ME	TROPOLITAN PLANNING ORGANIZATION
2	TECHNICA	LCOMMITTEE
3	28 Ma	arch 2018
4		
5	MINUTES	OF MEETING
6		
7	The Durham-Chapel Hill-Carrboro Metropo	litan Planning Organization Technical Committee
8	met on March 28, 2018, at 9:00 a.m. in the	City Council Committee Room, located on the
9	second floor of Durham City Hall. The follow	ving people were in attendance:
10		
11	Ellen Beckmann (Chair)	City of Durham Transportation
12	Margaret Hauth (Vice Chair)	Hillsborough Planning
13	Kayla Seibel (Member)	Chapel Hill Planning
14	Kumar Neppalli (Member)	Chapel Hill Engineering
15	Hannah Jacobson (Member)	City of Durham Planning
16	Tasha Johnson (Member)	City of Durham Public Works
17	Tina Moon (Member)	Carrboro Planning
18	Zack Hallock (Member)	Carrboro Planning
19	Bergen Watterson (Member)	Chapel Hill Planning
20	Scott Whiteman (Member)	Durham County Planning
21	Evan Tenenbaum (Member)	Durham County Planning
22	Theo Letman (Member)	Orange Public Transportation
23	Tom Altieri (Member)	Orange County Planning
24	Nishith Trivedi (Member)	Orange County Planning
25	Cara Coppola (Member)	Chatham County Planning
26	John Hodges-Copple (Member)	Triangle J Council of Governments
27	Julie Bogle (Member)	NCDOT, TPD
28	Kurt Stolka (Member)	UNC
29	David Keilson (Alternate)	NCDOT, Division 5
30	Richard Hancock (Alternate)	NCDOT, Division 5
31	Ed Lewis (Alternate)	NCDOT, Division 7
32	Bryan Kluchar (Alternate)	NCDOT, Division 8
33	Patrick McDonough (Alternate)	GoTriangle
34	Bill Judge (Alternate)	City of Durham Transportation
35	Eddie Dancausse	Federal Highway Administration
36	Felix Nwoko	DCHC MPO
37	Brian Rhodes	DCHC MPO
38	Aaron Cain	DCHC MPO
39		
40	Quorum Count: 24 of 31 Voting Members	
41		
42	Chair Ellen Beckmann called the meeting to	order at 9:01 a.m. A roll call was performed. The
43	Voting Members and Alternate Voting Members of	the DCHC MPO Technical Committee (TC) were

44	identified and are indicated above. Chair Ellen Beckmann reminded everyone to sign-in using the sign-in
45	sheet that was being circulated.
46	PRELIMINARIES:
47	2. Adjustments to the Agenda
48	Chair Ellen Beckmann drew attention to the handouts related to the Action Items on the Agenda.
49	3. Public Comments
50	There were no public comments.
51	CONSENT AGENDA:
52	4. Approval of February 28, 2018, TC Meeting Minutes
53	Evan Tenenbaum made a motion to approve the February 28, 2018, TC Meeting Minutes. Tom
54	Altieri seconded the motion. The motion passed unanimously.
55	ACTION ITEMS:
56 57	<u>5. FY2018 Unified Planning Work Program (UPWP) Amendment #3</u> Felix Nwoko, LPA Manager
58	Felix Nwoko stated that changes to the UPWP budget during the fiscal year requires an
59	amendment approved by the MPO Board. Amendment #3 of the FY2018 UPWP proposes to re-allocate
60	Surface Transportation Block Grant-Direct Attributable (STBG-DA) funds from various task codes for the
61	Town of Carrboro, and de-obligate STBG-DA funds from various task codes as well as re-allocate Section
62	5303 funds among various task codes for the Town of Chapel Hill.
63	Bergen Watterson made a motion to pass amendment #3 to FY18 UPWP. Tina Moon seconded
64	the motion. The motion passed unanimously.
65 66	6. Amendment #2 to Item FY2018-2027 Transportation Improvement Programs (TIP) Aaron Cain, LPA Staff
67	Aaron Cain stated that Amendment #2 to the FY2018-2027 TIP consists of projects that were
68	already amended in the State Transportation Improvement Plan (STIP) by NCDOT, and therefore must

69	be amended in the DCHC MPO TIP. One of the included projects is to merge EB-5833 (R. Kelly Bryant
70	Bridge Trail North) and EB-5720 (R. Kelly Bryant Bridge Trail South) in order to more easily track delivery
71	schedules and increase efficiency. He added that these are additional STBG-DA funds being directed to
72	projects under U-4726.
73	Scott Whiteman made a motion to approve amendment #2 to item FY2018-2027 TIP. Nishith
74	Trivedi seconded the motion. The motion passed unanimously.
75	<u>REPORTS:</u>
76 77	<u>7. Reports from the LPA Staff</u> Aaron Cain, LPA Staff
78	Aaron Cain stated that the quantitative scores for Strategic Planning Office of Transportation
79	(SPOT) 5.0 would be released on April 3. He added that he will review SPOT 5.0 using the methodology
80	that the MPO Board adopted, using the quantitative scores as a guide. Aaron Cain stated that it will then
81	go out for input from the public from May 14 through June 4 per the Public Involvement Policy. Aaron Cain
82	stated that there will likely be a subcommittee between the dates of April 18 and May 9. Aaron Cain added
83	that, along with points from the North Carolina Department of Transportation (NCDOT) Divisions, the final
84	list will be up for approval in June.
85 86	<u>9. Report from the DCHC MPO TC Chair</u> Ellen Beckmann, DCHC MPO TC Chair
87	Chair Ellen Beckmann stated that the next meeting will be on April 25 at 9 a.m. at the Durham
88	Convention Center, which is located on 301 West Morgan Street.
89	Aaron Cain mentioned that he is still seeking moderators for the convention and requested
90	notification from willing attendees.
91	10. NCDOT Reports
92	There was no additional report from NCDOT Division 5.

93 Ed Lewis, NCDOT Division 7, stated that the fence over I-40 on Orange Grove Road was completed.

94	There was no report from NCDOT Division 8.
95	Julie Bogle stated that there is an upcoming work group meeting to which the MPOs were invited.
96	She added the next work group will be on April 16, and anyone interested should contact Daryl Vreeland.
97	There was general discussion about the draft language for the safety performance measures that
98	will be included in the STIP and the MPO's TIP. John Hodges-Copple suggested that Aaron Cain contact
99	him to clarify the timeline and specifications for the final language to be used.
100	INFORMATIONAL ITEMS:
101	11. Recent News, Articles, and Updates
101 102	<u>11. Recent News, Articles, and Updates</u> Aaron Cain stated that there will be a Durham project delivery training course on April 16. He
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102 103	Aaron Cain stated that there will be a Durham project delivery training course on April 16. He added that an MPO-wide training course, which would include more NCDOT personnel, may be offered at
102 103 104	Aaron Cain stated that there will be a Durham project delivery training course on April 16. He added that an MPO-wide training course, which would include more NCDOT personnel, may be offered at a later date.

107 adjourned at 9:20 a.m.



Durham – Chapel Hill – Carrboro

Metropolitan Planning Organization

Member Organizations: Town of Carrboro, Town of Chapel Hill, Chatham County, City of Durham, Durham County, Town of Hillsborough, NC Department of Transportation, Orange County, Triangle Transit

MEMORANDUM

April 17, 2018

To: Durham-Chapel Hill-Carrboro MPO Technical CommitteeFrom: Aaron Cain, Senior Transportation PlannerRe: Initial Allocation of Local Input Points for Regional Impact Projects

Per the adopted DCHC MPO Methodology for Identifying and Ranking New Transportation Improvement Program Project Requests, DCHC MPO staff has compiled an initial list of projects for consideration for local points for this round of prioritization. That list is attached. This memo describes the development of that list as well as highlights some issues for consideration for deviation from that list in the final selection.

Application of Methodology

The Methodology defines five criteria to be considered for highway projects, and six for non-highway. Staff applied the criteria to every project at the Regional Impact level, including those that could cascade down from the Statewide Mobility level. Projects that received the same score based on the established criteria were then ranked based on their overall SPOT quantitative score to determine whether or not they should be recommended for local points.

Potential Deviations from Methodology

State law allows for deviations from the adopted Methodology as long as those deviations are acknowledged and documented by the MPO Board. Several justifications for deviation are listed in the Methodology. MPO staff has identified several projects for consideration of local points that deviate from the Methodology for the Technical Committee to consider:

- The initial assignment of points to highway projects only assigns points to projects located in Durham. However, the Methodology identifies "Geographical and jurisdictional balance" as a reason to deviate from the standard criteria and assign points to a particular project.
- The Methodology states that projects should not cascade down that cost more than \$5 million. However, this could eliminate some projects that could be funded, such as several rail projects.
- The Methodology states that 500 points will be assigned to transit projects (with a maximum of 100 points per project). However, with the removal of several transit projects by the MPO Board in March, and only one commuter rail project that could potentially be constructed, there are not enough transit projects to assign the full complement of points. Therefore, in the initial list those points have been assigned to highway projects.



Durham – Chapel Hill – Carrboro

Metropolitan Planning Organization

Member Organizations: Town of Carrboro, Town of Chapel Hill, Chatham County, City of Durham, Durham County, Town of Hillsborough, NC Department of Transportation, Orange County, Triangle Transit

- DCHC MPO staff is consulting with CAMPO staff regarding which commuter rail project should receive local points. As a placeholder, the project with the highest quantitative score has been assigned 34 points from DCHC (CAMPO would provide the additional 66 points). However, if another project is deemed more appropriate to receive points, the number of points DCHC assigns could change.
- The Methodology states that 500 points can be assigned to "any mode and project type". The only
 modes in which DCHC has projects at the Regional level are highway, transit, and rail. There are not
 enough transit projects to use any of these points, and not enough rail projects that meet the \$5 million
 threshold for cascading to use all 500 of these points; therefore, the points that are not assigned to rail
 projects have been assigned to highway projects.

Highway Projects

Highway Pro	,					Method	ology Crite	ria						
						Local Tax	Local	Complements		-	Cascading		Points	
Route	From	To	Description	Jurisdiction	MTP Prioritization	Revenues	Funding	Non-Highway	EJ	TOTAL	Project?	SPOT Score	Assigned	Notes
US 501 (Roxboro Road)	US 501 Bypass (Duke Street)	Omega Road	Construct median, access management facilities, safety improvements, bicycle and pedestrian facilities, and transit stop improvements.	Durham	2	0	1	1	1	5	N	47.45	100	
US 501 Business (Roxboro Road)	NC 55 (Avondale Drive)	SR 1004 (Old Oxford Road)	Construct median along section with potential turn lanes at Lavender Avenue, Bon Air Avenue, and Murray Avenue. Fill in sidewalk gaps and provide streetscape amenities.	Durham	2	0	1	1	1	5	N	45.93	100	
NC 98 (Holloway Street)	SR 1838 (Junction Road)	SR 1919 (Lynn Road)	Construct safety improvements and widen to add median, bicycle lanes, sidewalks, transit stop improvements, and traffic signals where needed.	Durham	2	0	1	1	1	5	N	45.76	100	
US 15, US 501	US 15-501 / NC 54 interchange (Raleigh Road)	(Ephesus	Construct capacity improvements and add sidewalks, wide-outside lanes, and transit accommodations.		1	0	1	1	1	4	Y	47.70	0	Does not meet threshold for cascading project
US 501 Business (Roxboro Road)	SR 1443 (Horton Road)		Install turn lanes on US 501 Business (Roxboro Road) at Horton Road.	Durham	2	0	1	0	1	4	Ν	44.75	100	
NC 147 (Durham Freeway)	Elba Street/Trent Drive		Improve ramps by tying them into a roundabout with Elba Street and Trent Drive.	Durham	2	0	0	1	1	4	Y	37.94	100	Meets <\$5M threshold for cascading project
NC 54	NC 751	SR 1118 (Fayetteville Road)	Widen to Multi-Lanes with Bicycle, Pedestrian, and Transit Accommodations	Durham	1	0	1	1	0	3	N	40.30	100	
US 15, US 501	NC 147 (Durham Freeway)	US 70 Business (Hillsborough Road)	Signalize collector-distributor ramp intersections to improve safety.	Durham	2	0	0	0	1	3	Y	37.85	100	Meets <\$5M threshold for cascading project
NC 54	1-40	NC 751	Widen to Multi-Lanes with Bicycle, Pedestrian, and Transit Accommodations	Durham	1	0	1	1	0	3	N	37.11	100	
NC 54	SR 1118 (Fayetteville Road)	SR 1106 (Barbee Road)	Widen to Multi-Lanes with Bicycle, Pedestrian, and Transit Accommodations	Durham	1	0	1	1	0	3	N	31.65	100	
NC 54	SR 1106 (Barbee Road)	NC 55	Widen to Multi-Lanes with Bicycle, Pedestrian, and Transit Accommodations	Durham	1	0	1	1	0	3	N	31.05	100	
NC 751 (Hope Valley Road)	South Roxboro Road	Woodcroft Parkway	Widen to four lanes with bike lanes and sidewalks. Improve the NC 751 & South Roxboro Road intersection.	Durham	1	0	1	1	0	3	N	25.62	100	
NC 751 (Hope Valley Road)	NC 54	Southpoint Auto Park Blvd	Widen to four lanes with a median with bicycle, pedestrian and transit facilities as appropriate.	Durham	1	0	1	1	0	3	N	25.56	66	
US 70 Business	US 15-501 Business (Roxboro Street)	US 15/501 Business (Roxboro Street)	Convert the Downtown Loop from one- way to two-way traffic	Durham	0	0	1	1	1	3	N	19.51	0	

US 15 Business (Roxboro Street)	Pettigrew Street	East Main Street	Improve the crossing at US 15/501 Business (Roxboro Street) in Downtown Durham. Make the bridge higher to reduce truck conflict, make the span wider to facilitate a future two-way of Roxboro Street, and make the bridge wider to be able to accommodate four tracks. Potentially create an intersection at Ramseur and Roxboro.	Durham	0	0	1	1	1	3	N	19.07	0
NC 55	I-40		Add third SB lane on NC 55 from Meridian to I-40 EB on-ramp and improve ramp terminals. Also add bike/ped facilities.	Durham	0	0	1	1	0	2	N	51.65	0
US 15, US 501	1-40	US 15/501 Business	I-40 to US 15/501 Bypass in Durham. Major Corridor Upgrade to Expressway	Durham	1	0	0	0	1	2	Y	43.41	0
NC 54	SR 1937/SR 1107 Old Fayetteville Road		Improve intersection	Orange County	2	0	0	0	0	2	N	42.92	0
NC 54	Neville Road		Improve intersection	Orange County	2	0	0	0	0	2	N	32.60	0
Division 5 Non- Muncipal Divisionwide Signal System			Add cameras and fiber to signals in division 5 which are outside of municipal systems and upgrade software and add equipment to enable monitoring of signals by Division staff. Division wide project. Will provide the list of signals.	Division 5	2	0	0	0	0	2	N	22.94	0
US 70	SR 1959 (South Miami Blvd) / SR 1811 (Sherron Road)	Extension / New Leesville	Upgrade Roadway to Freeway.	Durham	1	0	0	0	0	1	Y	49.32	0
1-40	NC 147	Wade Avenue	Construct Managed Lanes.	Durham	1	0	0	0	0	1	Y	45.37	0
US 70	Page Road Extension	Alexander Drive in Wake County	Upgrade Roadway to Freeway	Durham	1	0	0	0	0	1	Y	38.25	0
NC 86		North of NC 57	Widen to four lanes with a median and Improve intersections at US 70 Bypass and NC 57.	Orange County	0	0	0	0	1	1	N	36.02	0
NC 751	SR 1740 (Lewter Shop Road)	O'Kelly Chapel Road	Widen road to 4 Lanes with bicycle lanes on existing location.	Chatham County	0	0	0	1	0	1	N	32.77	0
NC 54	US 15-501		Improve Interchange	Chapel Hill	1	0	0	0	0	1	N	30.44	0
US 70	US 70 Connector		Reconstruct interchange to an at-grade intersection.	Orange County	0	0	0	0	1	1	N	18.43	0
I-40	NC 54	NC 751	Construct auxiliary lane between ramps	Durham	0	0	0	0	0	0	Y	47.78	0
NC 54	SR 1006 (Orange Grove Rd)	SR 1937 / SR 1107 (Old Fayetteville Rd)	Widen to a four-lane boulevard	Orange County	0	0	0	0	0	0	N	46.80	0
US 15, US 501	NC 751	Pickett Road Overpass	Widen section of 15-501 bypass between Tower and NC 751 to 6 lanes	Durham	0	0	0	0	0	0	Y	45.65	0
1-540	1-40	1-87	Construct managed shoulders in both directions along I-540. Managed lanes are expected to be in operation for approx 3 hours during morning and evening peak periods (6 hours total).	Wake County	0	0	0	0	0	0	Y	41.66	0

US 15, US 501		US 64 Pittsboro Bypass	Convert remaining non-synchronized sections of US 15-501 to synchronized between the Orange County Line and the US 64 Pittsboro Bypass	Chatham County	0	0	0	0	0	0	N	32.26	0
1-540	I-40	US 1	Construct managed shoulders in both directions along I-540. Managed lanes are expected to be in operation for approx 3 hours during morning and evening peak periods (6 hours total).	Wake County	0	0	0	0	0	0	Y	26.60	0
TOTAL													1166

Per the adopted Methodology, a minimum of 800 points will go towards highway projects.

An additional 366 points are assigned to highway projects due to a lack of eligible non-highway projects.

Non-Highway Projects

	ghway Project				Meth	odology Crite	eria						
				Plan		Local Tax	Complements		•	Statewide		Points	
Mode	Project	Description	Jurisdiction	Consistency	Engineering	Revenues	Non-Highway	EJ	TOTAL	Cascade?	SPOT Score	Assigned	Notes
Transit	Durham-Orange Light Rail Transit	Construct a 17.7 mile light rail transit line from North Carolina Central University in Durham to UNC Hospitals in Chapel Hill. The entire alignment will be dedicated light rail tracks, with portions in downtown Durham and Chapel Hill that will be accessible to bus traffic (but not automobile traffic). All service provided for this project will utilize light rail vehicles. On weekdays, peak services will operate at 10 minute intervals, and off-peak at 20 minutes. Weekend services will operate at 20-30 minute intervals.	Durham, Chapel Hill	2	1	1	1	1	6	N	53.33	100	
Transit	Commuter Rail from Durham to Garner	Construct commuter rail service and infrastructure. Project includes 4 locomotives and 8 coaches.	Durham, Wake	2	1	1	1	1	6	Ν	46.67	34	One-third of the project is within DCHC; remainder of points to come from CAMPO
Transit	Durham to Raleigh Commuter Rail Service	Construct infrastructure and service for commuter rail service from Durham to Raleigh. Project includes 4 locomotives and 8 coaches.	Durham, Wake	2	1	1	1	1	6	N	43.89	0	Only one viable commuter rail project
Transit	Durham to Wake Forest Commuter Rail	Construct infrastructure and service for commuter rail service from Durham to Wake Forest. Project includes 6 locomotives and 12 coaches.	Durham, Wake	2	1	1	1	1	6	N	40.19	0	Only one viable commuter rail project
Transit	Durham to Raleigh to Garner/Wake Forest commuter rail	Construct infrastructure and service for 8-2,8-2 service to Raleigh and 4-1,4-1 service to Wake Forest and Garner. Project includes 6 locomotives and 12 coaches.	Durham, Wake	2	1	1	1	1	6	N	39.45	0	Only one viable commuter rail project
Transit	Commuter Rail Transit, West Durham to Garner	Construct commuter-rail transit service adjacent to and/or within the existing North Carolina Railroad Corridor extending from West Durham to Greenfield station in Garner via RTP, Cary, and Raleigh. Provide four trains each direction during the morning rush hour, four in the evening rush hour, and one train each direction in the off-peak AM and PM (a total of ten trains each direction). The peak services will operate at one-hour intervals (e.g. leave origin station at 6:00 am, 7:00 am, 8:00 am, etc.).	Durham, Wake	2	1	1	1	1	6	N	34.63	0	Only one viable commuter rail project
Transit	GoTriangle DRX Route bus service expansion FY 19	Purchase 3 additional vehicles in FY 19 to support headway reduction on DRX route.	Durham, Wake	2	1	1	1	1	6	N	29.63	100	
Transit	GoTriangle ODX Route bus service expansion FY23	Purchase one additional vehicle in FY23 to support headway reduction on the ODX route.	Durham, Hillsborough	2	1	1	1	1	6	N	20.56	100	
Transit	Mebane to Selma Commuter Rail Service	Construct infrastructure and service for commuter rail service from Mebane to Selma. Project includes 12 locomotives and 24 coaches.	Durham, Wake	2	1	0	1	1	5	N	31.48	0	Only one viable commuter rail project
Rail	NS/NCRR H Line	Construction of grade separation at SR 1954 (W. Ellis Road) and closure of existing at-grade crossing (Crossing # 735 236Y) in Durham.	Durham	2	1	0	1	0	4	Y	49.33	0	Does not meet threshold for cascading project
Rail	NS/NCRR H Line	Construction of at-grade crossing improvements at Blackwell Street (Crossing # 735 229N), US 15 (Mangum Street) (Crossing # 735 231P), and SR 1118 (Fayetteville Street) (Crossing # 910 605Y) per Durham TSS in Durham.	Durham	2	1	0	1	0	4	Y	45.78	100	Meets <\$5M threshold for cascading project
Rail	NS/NCRR H Line	Construction of grade separation at SR 1317 (Neal Road) and closure of existing at-grade crossing (Crossing # 735 202E) in Durham.	Durham	2	1	0	1	0	4	Y	42.13	0	Does not meet threshold for cascading project
Rail	NS/NCRR H Line	Construction of second main track from East Durham Yard (MP 58.5) to Nelson (MP 63.5) in Durham.	Durham	2	1	0	1	0	4	Y	34.22	0	Does not meet threshold for cascading project

Rail	NS/NCRR H Line	Construction of grade separation at Dimmocks Mill Road (Crossing # 735 154S) and closure of Bellvue Street existing at grade crossing (Crossing # 735 152D) and West Hill Avenue existing at-grade crossing (Crossing # 735 151W). Project includes a pedestrian tunnel at Hill Avenue.	Hillsborough	2	1	0	1	0	4	Y	33.08	0	Does not meet threshold for cascading project
Rail	I-40 Rail Bridge in Durham County	Construct triple track bridge over I-40 in Durham County.	Durham	2	0	1	1	0	4	Y	4.91	0	Does not meet threshold for cascading project
Rail	NS/NCRR H Line	Construction of second main track from Control Point Funston (MP 49.8) to East Durham Yard (MP 56) in Durham.	Durham	2	0	0	1	0	3	Y	8.21	0	Does not meet threshold for cascading project
Rail	NCRR/NS H line	Construction of curve radius improvements from MP H 44.5 to MP H 48 near Hillsborough.	Orange County	0	1	0	1	0	2	Y	31.97	100	Meets <\$5M threshold for cascading project
Rail	NCRR/NS H line	Construction of curve radius improvements from MP H 38 to MP H 40.4 near Efland.	Orange County	0	1	0	1	0	2	Y	18.90	100	Meets <\$5M threshold for cascading project
Rail	NS/NCRR H Line	Construction of new railroad bridge, or other railroad approved method, over Exchange Park Lane (Crossing #735 158U) to accommodate pedestrian traffic within the structure.	Hillsborough	0	0	0	1	1	2	Y	16.56	0	Does not meet threshold for cascading project
TOTAL	•				•	•	•	•	•	•		634	1

66 points remaining from transit set aside due to lack of projects.

366 points remaining from non-highway projects due to lack of projects that meet established thresholds.

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION METHODOLOGY FOR IDENTIFYING AND RANKING NEW TRANSPORATION IMPROVEMENT PROGRAM PROJECT REQUESTS

INTRODUCTION

According to U.S. Code 23 Section 134, Metropolitan Planning Organizations (MPOs) are required to develop a Transportation Improvement Program (TIP) in cooperation with the State and public transportation providers through a performance-driven, outcome-based approach to planning. The TIP should contain projects consistent with the Metropolitan Transportation Plan (MTP) and should reflect the investment priorities established in the current MTP. There should be the opportunity for public participation in developing the TIP including consultation, as appropriate, with State and local agencies responsible for land use management, natural resources, environmental protection, conservation, and historic preservation.

Furthermore, as a Transportation Management Area (TMA), according to U.S. Code 23 Section 134, all federally funded projects within the Durham-Chapel Hill-Carrboro (DCHC) MPO (excluding projects carried out on the National Highway System) shall be selected for implementation from the approved TIP by the MPO in consultation with the State and any public transportation provider or operator. Projects on the National Highway System shall be selected for implementation from the TIP by the State in cooperation with the MPO.

North Carolina's Strategic Transportation Investments (STI) legislation, passed in 2013, establishes a formula and process by which transportation funding is distributed across the state and across transportation modes. The outcome of the STI process is the draft State Transportation Improvement Program (STIP). The STI legislation applies uniformly across the state regardless of the boundaries of MPOs. The STI legislation requires the identification and submittal of potential transportation projects by the North Carolina Department of Transportation (NCDOT) and the MPO, the evaluation of projects according to a NCDOT-developed quantitative scoring methodology, and the allocation of ranking points among certain projects by NCDOT and the MPO.

The Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO) *Methodology for Identifying and Ranking TIP Project Requests* describes the processes that the DCHC MPO will follow to identify projects that will be submitted for evaluation to NCDOT during the NCDOT Strategic Prioritization Office of Transportation's (SPOT) Prioritization process. When the results of the SPOT Prioritization process are made available, the DCHC MPO will follow this Methodology to rank projects and assign Local Input Points to high priority projects. This Methodology is designed to address the federal requirement that the TIP be consistent with the projects and investment priorities of the MPO's MTP while being compatible with the state's STI process.

The DCHC MPO retains the authority to develop the TIP for the MPO area as required by federal regulations. Participation in the STI process through submitting projects for evaluation and/or allocating Local Input Points to projects does not require the MPO to include these projects in the TIP.

OBJECTIVE

The Methodology described herein is designed to address multi-modal transportation needs, ensure regional balance, and prioritize projects that are needed based on technical criteria. The goal is to

produce a project priority ranking which satisfies MPO goals, is simple enough for project-level analysis without requiring unnecessary data collection, and is understandable by the general public.

The DCHC MPO's Technical Committee (TC) will use the Methodology to generate a list of priority projects to submit to the NCDOT SPOT for quantitative scoring. While the Methodology is designed to comprehensively address the DCHC MPO's transportation needs, there will always be factors that are not easily measured but should still be considered in the development of the DCHC MPO's priorities. The DCHC MPO TC will make its technical recommendation for the prioritization of projects based on the methodology described in this document, and the DCHC MPO Board will then be afforded the opportunity to make changes with appropriate documentation. All public involvement for this process will be conducted in accordance with the DCHC MPO's adopted Public Involvement Policy.

Steps and schedule for submission of DCHC MPO projects to NCDOT for evaluation:

Spring 2017	DCHC MPO staff work with local jurisdiction staff to develop potential new projects for Prioritization 5.0; DCHC MPO staff review projects to ensure they meet minimum requirements and are in the MTP
June 2017	DCHC MPO staff and Technical Committee reviews Carryover projects and makes recommendations to the Board to either have those projects scored in Prioritization 5.0 as is, propose changes to projects to then be scored in Prioritization 5.0, or remove projects from consideration; DCHC MPO Board reviews and provides input on potential new projects
July 2017	DCHC MPO staff performs analysis on proposed new projects; a Technical Committee sub-committee narrows the number of projects to a final recommended list for submittal
August 2017	DCHC MPO Board votes on any proposed changes and deletions of existing projects for Prioritization 5.0; DCHC MPO Board reviews proposed list of new projects for Prioritization 5.0; new project list is released for public comment
September 2017	Project submission deadline for Prioritization 5.0.
Steps and schedule Requests:	for updating the DCHC MPO's Methodology for Identifying and Ranking TIP Project
November 2017	DCHC MPO staff updates <i>Methodology for Identifying and Ranking TIP Project</i> <i>Requests</i> document
December 2017	DCHC MPO TC reviews the <i>Methodology for Identifying and Ranking TIP Project</i> <i>Requests</i> and forwards Methodology to the DCHC MPO Board for public release
January 2018	DCHC MPO Board releases the <i>Methodology for Identifying and Ranking TIP</i> <i>Project Requests</i> for public review and comment period; DCHC MPO TC makes final review and recommendation to DCHC MPO Board
February 2018	DCHC MPO holds public hearing on <i>Methodology</i> , forwards for NCDOT Review Committee review
March 2018	DCHC MPO Board approves the <i>Methodology for Identifying and Ranking TIP</i> Project Requests

Steps and tentative schedule for the allocation of Local Input Points:

March 2018	DCHC MPO receives results of the NCDOT SPOT scoring process for Statewide, Regional, and Division projects
April 2018	DCHC MPO ranks Regional projects for the assignment of Local Input Points; DCHC MPO Board releases initial assignment of Local Input Points for Regional projects for public comment
May 2018	DCHC MPO Board holds public hearing on initial assignment of Local Input Points for Regional projects
June 2018	DCHC MPO Board approves assignment of Local Input Points to Regional projects
June 2018	DCHC MPO submits Regional projects, with Local Input Points assigned, to NCDOT
July 2018	DCHC MPO ranks Division projects for the assignment of Local Input Points
August 2018	DCHC MPO Board releases initial assignment of Division projects and the assignment of Local Input Points for public comment
September 2018	DCHC MPO Board holds public hearing on initial assignment of Local Input Points for Division projects
October 2018	DCHC MPO Board approves assignment of Local Input Points to Division projects
October 2018	DCHC MPO submits Division projects, with Local Input Points assigned, to NCDOT
January 2019	NCDOT releases Draft STIP

DCHC MPO GOALS FOR THE METHOLDOGY FOR IDENTIFYING AND RANKING TIP PROJECTS

The *Methodology for Identifying and Ranking TIP Projects* should result in a list of projects that are a subset of the DCHC MPO Metropolitan Transportation Plan (MTP). For this reason, the goals for the Methodology are the same as the goals of the DCHC MPO, as presented in the adopted 2040 MTP¹. The goals of the 2040 MTP are as follows:

- A safe, sustainable, efficient, attractive, multi-modal transportation system that: supports local land use; accommodates trip-making choices; maintains mobility and access; protects the environment and neighborhoods; and improves the quality of life for urban area residents.
- An attractive multi-modal street and highway system that allows people and goods to be moved safely, conveniently, and efficiently.
- A convenient, accessible, and affordable public transportation system, provided by public and private operators, that enhances mobility and economic development.
- A pedestrian and bicycle system that: provides a safe alternative means of transportation; allows greater access to public transit; supports recreational opportunities; and includes offroad trails
- A Transportation Plan that is integrated with local land use plans and development policies.
- A multi-modal transportation system which provides access and mobility to all residents, while protecting the public health, natural environment, cultural resources, and social systems.
- An ongoing program to inform and involve citizens throughout all stages of the development, update, and implementation of the Transportation Plan.
- Continue to improve transportation safety and ensure the security of the transportation system.
- Improve mobility and accessibility of freight and urban goods movement.

PROCEDURE FOR IDENTIFYING PROJECTS FOR SUBMISSION TO NCDOT SPOT FOR EVALUATION

1) Submission of Local Priority Lists to the MPO

All MPO member jurisdictions and agencies will submit a local priority list to the MPO. The DCHC MPO requests that the MPO members apply initial screening criteria during the development of their respective lists. The initial screening criteria are listed below in this section. In addition to the initial screening criteria, MPO members may also want to consider reviewing Section 2 of this Methodology for guidance on the NCDOT's SPOT scoring criteria. The DCHC MPO will apply the NCDOT's scoring criteria when considering new project requests from DCHC MPO member jurisdictions and agencies. If a project exists in more than one jurisdiction, all jurisdictions must be in agreement on the proposed scope and details of the project.

Initial Screening Criteria

- a) Regional Goals How well does the project meet the adopted regional goals? Is the project an element of the current MTP? Does it implement community objectives? For the intrastate system, does it meet NCDOT mobility objectives? Does the project have a broad base of local support?
- b) Cost Effectiveness How much benefit does the project offer compared to the estimated cost?

¹ The 2040 MTP was in effect at the time of submission to Prioritization 5.0 and the drafting of this *Methodology*; the 2045 MTP is scheduled to be adopted in February 2018.

c) Timing – Is the project needed within the TIP funding cycle? Is timing a critical element for the project (one-time opportunity)? Will the opportunity to do the project be lost if it is not in the current priority cycle?

DCHC MPO staff, the TC and its subcommittee will review local priority lists for adherence to the initial screening criteria and apply the NCDOT scoring criteria listed in Section 2 of this Methodology, before recommending the submission of these projects to Prioritization 5.0.

2) Submission of Projects to the STI Process

For the 2020-2029 TIP, the DCHC MPO will submit projects to NCDOT's SPOT office by September 2017 for the application of the NCDOT's quantitative ranking methodology. The MPO is limited in the number of new projects that may be submitted for each mode (highway, bicycle and pedestrian, public transportation, aviation, ferry and rail), but can submit an additional project for each existing project removed from the system. NCDOT Division Engineers can also submit projects for each of their Divisions but are also limited in the number of new projects per mode that may be submitted.

DCHC MPO will combine the local priority lists into a list that the MPO will use to prioritize projects for submission. In the event that more highway, bicycle and pedestrian, public transportation, or rail projects are submitted to the MPO than the MPO is allowed submit to NCDOT, the DCHC MPO will work with a TC subcommittee to select projects based the NCDOT scoring criteria for each mode. For Prioritization 5.0 there were no ferry or aviation projects submitted within the DCHC MPO area. DCHC MPO will request that the Division Engineers submit any additional projects that the DCHC MPO may not be able to submit because the MPO is limited in the number of projects that may be submitted.

DCHC MPO Preliminary Project Ranking

Highway Projects

Highway projects are eligible to be scored and funded in any of the three funding categories (Statewide, Regional, or Division), depending on the characteristics of the project. The P5.0 Workgroup has developed a different highway project scoring process for each of the three funding categories. The DCHC MPO will utilize the scoring processes developed by NCDOT to preliminarily rank projects to be submitted to NCDOT SPOT for evaluation. A project that is eligible for the Statewide funding category but is not funded under that category can cascade down to the Regional category for evaluation and possible funding. If the project is not funded under the Regional category, the project may cascade down to the Division category for evaluation and possible funding.

The NCDOT SPOT process limits the number of projects that MPOs may submit. In the event that more new project requests are received than the MPO can submit, the DCHC MPO will follow the criteria developed by the SPOT 5.0 Workgroup that were submitted to the NCDOT Board of Transportation in June 2017. This will provide a set of preliminary scores that can be used to rank projects.

For Prioritization 5.0, Divisions 5, 7, and 8 each adopted a set of alternate criteria for highway projects (alternate criteria was not an option for non-highway projects). Those alternate criteria are shown below.

	Funding		Local Input	
Category	Quantitative Data	Division		
		Input	Input	
Statewide Mobility	 Benefit/Cost = 25% Measurement of travel time savings and safety benefits the project is expected to provide over 10 years compared to the cost of the project to NCDOT. Congestion = 30% Measurement of the Peak ADT traffic volume on the roadway compared to the existing capacity of the roadway, weighted by the total traffic volume along the roadway. 60% Existing Volume/Capacity Ratio 40 Existing Volume Economic Competitiveness = 10% Measurement of the estimated number of long-term jobs and the % change in economic activity within the county that the project is expected to provide over 10 years. Safety = 10% Measurement of the number, severity, and density of crashes along the roadway and calculate future safety benefits. Freight = 25% Measurement of existing truck volume and whether or not the roadway is part of a future interstate highway. 			
Regional Impact	 Benefit/Cost = 20% Measurement of travel time savings and safety benefits the project is expected to provide over 10 years compared to the cost of the project to NCDOT. Congestion = 20% Measurement of the Peak ADT traffic volume on the roadway compared to the existing capacity of the roadway, weighted by the total traffic volume along the roadway. 80% Existing Volume/Capacity Ratio 20% Existing Volume Safety = 10% Measurement of the number, severity, and density of crashes along the roadway and calculate future safety benefits. Accessibility/Connectivity = 10% Measurement of county economic distress indicators and whether the project upgrades how the roadway functions. Goal of improving access to opportunity in rural and less-affluent areas and improving interconnectivity of the transportation network. Freight = 10% Measurement of existing truck volume and whether or not the roadway is part of a future interstate highway. Total = 70% (Division Engineer and Local Input Points account for remaining 30%) 	15%	15%	

NCDOT and DCHC MPO Scoring Criteria for Highway Projects

Funding		Loc	al Input
Funding Category	Quantitative Data	Division	MPO/RPO
Category		Input	Input
Division Needs – Division 5	 Benefit/Cost = 20% Measurement of travel time savings and safety benefits the project is expected to provide over 10 years compared to the cost of the project to NCDOT. Congestion = 15% Measurement of the Peak ADT traffic volume on the roadway compared to the existing capacity of the roadway. 100% of this indicator at the Division Safety = 15% Measurement of the number, severity, and frequency of crashes along the roadway. Total = 50% (Division Engineer and Local Input Points account for remaining 50%) 	25%	25%
Division Needs – Divisions 7 & 8	 Benefit/Cost = 15% Measurement of travel time savings and safety benefits the project is expected to provide over 10 years compared to the cost of the project to NCDOT. Congestion = 15% Measurement of the Peak ADT traffic volume on the roadway compared to the existing capacity of the roadway. 100% of this indicator at the Division Safety = 15% Measurement of the number, severity, and frequency of crashes along the roadway. Accessibility/Connectivity = 5% Measurement of county economic distress indicators and whether the project upgrades how the roadway functions. Goal of improving access to opportunity in rural and less-affluent areas and improving interconnectivity of the transportation network. Total = 50% (Division Engineer and Local Input Points account for remaining 50%) 	25%	25%

NCDOT and DCHC MPO Scoring Criteria for Highway Projects - continued

Public Transportation Projects

Public Transportation projects may be scored and funded within the Regional or Division funding categories. Different types of public transportation projects (vehicle, passenger facility, administrative/maintenance/operations facility, and fixed guideway) have different scoring processes for the Regional and Division categories.

Four transit operators within DCHC submitted projects through DCHC MPO for Prioritization 5.0. Though DCHC MPO was allotted 23 submittal projects for Prioritization 5.0, only 20 were projects were submitted by the local transit agencies for scoring (GoTriangle 10, Chapel Hill Transit 5, GoDurham 4, and Orange Public Transit 1).

NCDOT and DCHC MPO Scoring Criteria for Public Transportation Projects

Funding		Local Input	
Category	Quantitative Data	Division	MPO/RPO
		Input	Input
Regional Impact	 Cost Effectiveness = 25% Measurement of the total projected passenger trips compared to the cost of the project to the state and lifespan of the project. Demand/Density = 20% Measurement of the number of service hours devoted to the project compared to the service population. Efficiency = 15% Measurement of the vehicle utilization ratio. Impact = 10% Measurement of the number trips affected by the project. Total = 70% (Division Engineer and Local Input Points account for remaining 30%) 	15%	15%
Division Needs	 Cost Effectiveness = 15% Measurement of the total projected passenger trips compared to the cost of the project to the state and lifespan of the project. Demand/Density = 15% Measurement of the number of service hours devoted to the project compared to the service population. Efficiency = 10% Measurement of the vehicle utilization ratio. Impact = 10% Measurement of the number trips affected by the project. Total = 50% (Division Engineer and Local Input Points account for remaining 50%) 	25%	25%

Public Transit Scoring (Demand Response)

Funding		Local Input	
Category	Quantitative Data	Division	MPO/RPO
		Input	Input
Regional Impact	 Cost Effectiveness = 25% Measurement of the total projected passenger trips compared to the cost of the project to the state and lifespan of the project. Impact = 20% Measurement of the number trips affected by the project. Efficiency = 15% Measurement of efficiency of the project. Demand/Density = 10% Measurement of the ridership growth trend for the previous five years. Total = 70% (Division Engineer and Local Input Points account for remaining 30%) 	15%	15%
Division Needs	 Cost Effectiveness = 15% Measurement of the total projected passenger trips compared to the cost of the project to the state and lifespan of the project. Impact = 15% Measurement of the number trips affected by the project. Demand/Density = 10% Measurement of the ridership growth trend for the previous five years. Efficiency = 10% Measurement of efficiency of the project. Total = 50% (Division Engineer and Local Input Points account for remaining 50%) 	25%	25%

Public Transit Scoring (Facilities)

Public Transit Scoring (Mobility)

Funding		Local Input	
Category			MPO/RPO
		Input	Input
Regional Impact	 Cost Effectiveness = 25% Measurement of the total projected passenger trips compared to the cost of the project to the state and lifespan of the project. Demand/Density = 20% Measurement of the number of total trips as a percentage of the service population. Impact = 15% Number of trips affected by the project. Efficiency = 10% Total number of trips as a ratio of the total revenue seat hours. Total = 70% (Division Engineer and Local Input Points account for remaining 30%) 	15%	15%
Division Needs	 Cost Effectiveness = 20% Measurement of the total projected passenger trips compared to the cost of the project to the state and lifespan of the project. Demand/Density = 10% Measurement of the number of total trips as a percentage of the service population. Impact = 10% Number of trips affected by the project. Efficiency = 10% Total number of trips as a ratio of the total revenue seat hours. Total = 50% (Division Engineer and Local Input Points account for remaining 50%) 	25%	25%

Bicycle and Pedestrian Projects

Bicycle and pedestrian projects are scored and funded within the Division Needs funding category; therefore NCDOT utilizes only one scoring process for bicycle and pedestrian projects. DCHC MPO will utilize the scoring processes developed by the P5.0 Workgroup to preliminarily rank projects to be submitted to NCDOT SPOT for evaluation.

The NCDOT SPOT process limits the number of projects that MPOs may submit. In the event that more new project requests are received than the MPO can submit, the DCHC MPO will follow the criteria developed by the SPOT 5.0 Workgroup that were submitted to the NCDOT Board of Transportation in June 2017. This will provide a set of preliminary scores that can be used to rank projects.

Funding			Local Input	
Category	Quantitative Data	Division Input	MPO/RPO Input	
	Safety = 15%			
Division Needs	 Measurement of number of bicycle and/or pedestrian crashes, speed limit, and safety benefits to determine adequacy of safety for users of the project. Access = 10% Measurement of the quantity and significance of destinations associated with the project as well as the distance to the primary destination. 	25%	25%	
	 Demand = 10% Measurement of the density of population and employment within a walkable or bike-able distance of the project. Connectivity = 10% Measurement of the degree of bike/ped separation from the roadway, whether or not the project is part of or a connection to a national, state, or regional bike route, and connectivity to a similar or better project type. Cost Effectiveness = 5% Measurement of combined user benefits of Safety, Access, Demand, and Connectivity criteria compared to the cost of the project to NCDOT. Total = 50% (Division Engineer and Local Input Points account for remaining 50%) 			

NCDOT and DCHC MPO Scoring Criteria for Bicycle and Pedestrian Projects

Rail Projects

Rail projects may be scored and funded within any of the three funding categories (Statewide, Regional, or Division). The MPO will coordinate closely with the NCDOT Rail Division on the identification, prioritization, and submission of rail projects. DCHC MPO will follow the criteria developed by the SPOT 5.0 Workgroup that were submitted to the NCDOT Board of Transportation in June 2017.

Funding	Oursetiteting Data	Local Input	al Input
Category	Quantitative Data		MPO/RPO
		Input	Input
Statewide Mobility (Class I Freight Only)	 Benefit-Cost = 35% Measurement of monetized benefits compared to the project cost to NCDOT. Safety = 30% Measurement of potentially hazardous rail crossings and other safety benefits. System Opportunities = 15% Measurement of accessibility and connectivity provided by the project, and connections to multimodal opportunities. Capacity and Diversion = 10% Volume/Capacity = 75% Highway Diversion = 25% Economic Competitiveness = 10% Measurement of economic benefits of the project. Total = 100% 		
Regional Impact	 Benefit-Cost = 25% Measurement of monetized benefits compared to the project cost to NCDOT. Safety = 15% Measurement of potentially hazardous rail crossings and other safety benefits. System Opportunities = 10% Measurement of accessibility and connectivity provided by the project, and connections to multimodal opportunities. Capacity and Diversion = 10% Volume/Capacity = 75% Highway Diversion = 25% Economic Competitiveness = 10% Measurement of economic benefits of the project. Total = 70% (Division Engineer and Local Input Points account for remaining 30%) Total = 100% 	15%	15%

NCDOT and DCHC MPO Scoring Criteria for Rail Projects

Funding Category	Quantitative Data	Loca	Il Input
Division Needs	 System Opportunities = 15% Measurement of accessibility and connectivity provided by the project, and connections to multimodal opportunities. Benefit-Cost = 10% Measurement of monetized benefits compared to the project cost to NCDOT. Safety = 10% Measurement of potentially hazardous rail crossings and other safety benefits. Capacity and Diversion = 10% Volume/Capacity = 75% Highway Diversion = 25% Economic Competitiveness = 5% Measurement of economic benefits of the project Total = 50% (Division Engineer and Local Input Points account for remaining 50%) 	25%	25%

NCDOT and DCHC MPO Scoring Criteria for Rail Projects - continued

RECOMMENDED ALLOCATION OF THE MPO'S LOCAL INPUT POINTS

Overview

As previously explained in this *Methodology*, DCHC MPO will utilize the NCDOT Prioritization 5.0 scoring criteria to preliminarily rank MPO projects for submission to NCDOT for quantitative evaluation. Upon submission to NCDOT, projects within the MPO will be evaluated according to NCDOT's quantitative ranking methodology.

DCHC MPO will receive the results of the NCDOT quantitative evaluation scoring process and the project data used by NCDOT to develop the scores. NCDOT's scaled quantitative scores will be reviewed by the DCHC MPO and staff of MPO member jurisdictions and agencies. The quantitative scores will inform DCHC MPO's prioritization of projects.

The allocation of the DCHC MPO's Local Input Points to high priority projects serves as the qualitative component of the prioritization process. The DCHC MPO's Local Input Points will be allocated to projects that aim to achieve the goals of the adopted Metropolitan Transportation Plan (MTP) and align with the priorities of the DCHC MPO.

The DCHC MPO's project ranking process and subsequent allocation of Local Input Points must capture the goals of DCHC MPO and not just be purely based on the results of data-driven processes. The process and results should also capture input received from citizens, elected officials, and stakeholders in the DCHC MPO area. It is important to consider the needs of all communities that are located in the DCHC MPO area in the allocation of Local Input Points to priority projects.

Collaboration with NCDOT Divisions is also an important component of DCHC MPO's allocation of Local Input Points. Projects that receive the MPO's Local Input Points *and* Division Engineer Points will have an overall better score than projects that don't receive points from both the MPO and a Division Engineer. Coordinating with NCDOT Division Engineers will ensure that priority projects in the DCHC MPO area have the best possible chance to be funded in the next NCDOT STIP and MPO TIP.

It should be noted that projects in the Statewide Mobility category are not eligible for DCHC MPO Local Input Points, and therefore will not be reviewed and prioritized by DCHC MPO as part of the process for allocation of Local Input Points. Projects that cascade down from the Statewide Mobility category are eligible for local input points and will be incorporated into the process described below. DCHC MPO will prioritize and allocate Local Input Points to eligible projects in the Regional Impact and Division Needs funding categories.

Description of Criteria and Weights

Per the guidance that was provided by the NCDOT SPOT Office, DCHC will utilize at least two qualitative criteria for the purpose of allocation of local points. The table below shows the criteria to be used to rank projects for assignment of local points. Projects will be ranked based on a six-point scale.

Criteria	Maximum Points (Highway)	Maximum Points (Non-Highway)
MTP Prioritization ²		
Project planned for near-term (by MTP 2025 Threshold)	2	
Project planned for mid-term (by MTP 2035 Threshold)	1	
Project planned for long-term (by MTP 2045 Threshold)	0	
Consistent with Adopted Regional or Local Plan		2
Preliminary Engineering or Engineering Study Completed or		1
Underway		1
Allocation of local tax revenues through a DCHC-member	1	1
jurisdiction voter supported referendum	T	T
DCHC-member jurisdiction demonstrates local funding towards	1	
progress in project	T	
Project complements non-highway transportation facility	1	1
Project supports Environmental Justice Community of Concern ³	1	1
TOTAL MAXIMUM	6	6

Total Score and Project Ranking Approach

All projects will be ranked based on their score using the rubric above. The rankings will be used to inform TC and Board members regarding allocation points using the method described in the next section.

Point Assignment Process

Projects deemed to be of top priority to the MPO will be assigned the requisite amount of points necessary in order to maximize the project's chances of receiving funding through the SPOT process. NCDOT assigns the number of local prioritization points for each MPO, RPO, and Division based on the area's population. DCHC MPO has been allocated 1,800 points for both the Regional Impacts (Regional) and Division Needs (Division) categories for Prioritization 5.0. Each MPO, RPO, and Division can assign a maximum of 100 points and a minimum of 4 points to each project.

For the MPO's 1,800 Regional Impact Local Input Points, DCHC MPO will assign points to Regional projects among modes and project types according to the distribution below. The distribution below has been structured to reflect the funding goals of the MPO's adopted MTP and the number of eligible Regional category projects in each mode. Statewide projects that cascade down to the Regional category will generally not be assigned Regional Local Input Points unless the project cost is less than \$5 million. The MPO Board and TC may deviate from this policy on a case-by-case basis.

- 800 points to Highway
- 500 points to Public Transit
- 500 points could be assigned to any mode and project type

For the MPO's 1,800 Division Needs Local Input Points, DCHC MPO will assign points among modes and project types according to the distribution below. The distribution below has been structured to reflect the funding goals of the MPO's adopted MTP and the number of eligible Division category projects in each mode. Statewide and Regional projects that cascade down to the Division category will generally

 $^{^{2}}$ Use designations in 2045 MTP as it will be adopted by the time local allocation points are assigned.

³ For the purposes of this Methodology, an Environmental Justice Community of Concern is an Overlapping Community of Concern as identified in the 2014 DCHC MPO Environmental Justice Report.

not be assigned Division Local Input Points unless the project cost is less than \$5 million. The MPO Board and TC may deviate from this policy on a case-by-case basis.

- 300 points to Highway
- 500 points to Public Transit
- 500 points to Bicycle and Pedestrian
- 500 points could be assigned to any mode and project type

Deviations from this methodology may be made for various reasons, including but not limited to:

- A project costs more than the funding available in that category
- A project will not be competitive within its Region or Division even with the application of Local Input Points
- Coordination with the Division Engineer or a neighboring MPO or RPO deems a project should not receive points, or will receive points from another MPO, RPO, or Division
- The DCHC MPO Board, based on a recommendation from the Technical Committee (TC), determines that a lower ranking project is of greater priority and therefore should be assigned points (or more points than assigned through application of the Methodology)
- The DCHC MPO Board determines that a higher ranking project is of lesser priority and therefore should be assigned fewer, or no, points than assigned through application of the Methodology
- The DCHC MPO Board determines that projects in another mode are of higher priority
- The DCHC MPO Board determines that points should be awarded to a particular project to support geographic equity
- Based on public input, the DCHC MPO Board decides to deviate from the project rankings

Should a project receive Local Input Points through a deviation, the Board will note the reason for the deviation and that reason shall be published after final adoption.

Approval of the Allocation of Local Input Points

The DCHC MPO Board will release the draft Project Priority Ranking and application of Local Input Points for public comment and hold a public hearing at an MPO Board meeting. The initial list of projects proposed to receive Local Input Points will be based on the process described above. After review and public comment, the MPO Board will approve the final application of Local Input Points. The MPO Board's approval will be informed by the following:

- The final score and list of initial projects using the process described above;
- The likelihood of receiving funding through STI considering the amount of funding available within each Division or Region, historical funding levels for the mode, and the normalization limitations that NCDOT has adopted;
- The number of eligible projects within the MPO within each funding mode /project type/category;
- The priorities of the current MTP including the adopted distribution of funding between modes and the air quality horizon year of projects;
- The effect that receiving funding for a project may have on the likelihood of other projects being funded in the Division or Region considering the limitations set by the STI legislation;
- If the project is located within an area of overlapping Environmental Justice Communities of Concern identified in the MPO's 2014 Environmental Justice Report;

- Geographic and jurisdictional balance;
- Coordination with the Division Engineers and neighboring MPOs and RPOs on the assignment of points;
- Public input and support as evidenced through public comments submitted to the MPO, the MPO's public hearing, public involvement efforts of local governments, and local referenda;
- The MPO Board members' knowledge of the urban area and the policies of their communities; and
- Other factors as identified. If the MPO Board varies from the recommended allocation of points, MPO staff will document the rationale and will post the documentation on the MPO's website.

After the DCHC MPO Board approves the allocation of Local Input Points to projects in the DCHC MPO area, MPO staff will submit the projects with the Local Input Points applied to NCDOT for use in Prioritization 5.0.

Public Involvement

All public involvement for this process will be conducted in accordance with the DCHC MPO's Public Involvement Policy. As is the MPO's standard practice for all DCHC MPO Board and TC agenda items, all relevant materials, documentation of this process, and TC and MPO Board meeting materials and minutes will be posted on the DCHC MPO's website, www.dchcmpo.org.

The DCHC MPO Public Involvement Policy sets a minimum 21-day public comment period for this process and requires a public hearing at an MPO Board meeting. This public comment period and public hearing will be advertised in accordance with the Public Involvement Policy. Public comments will be documented, summarized, and responses will be provided. In addition, all DCHC MPO Board and TC meetings are public meetings and include the opportunity for public comment. Comments provided at any meeting will be considered.

The DCHC MPO web site will include the following on its Local Methodology tab for the FY2020-2029 TIP web page:

- Link to the NCDOT STI Prioritization Resources web site
- Updated drafts of the Methodology as they are available
- Schedule for adoption of the Methodology and Local Points
- Schedule of milestones in the Methodology and Local Input Points adoption process
- Preliminary and final local input point assignment sheets

DCHC MPO will follow the schedule below for public comment and adoption of this Methodology:

December 2017 – Draft Methodology reviewed by the DCHC MPO TC (materials published online for public review); TC recommends that DCHC MPO Board release *Draft Methodology* for public comment

January 2018 – DCHC MPO Board reviews Draft Methodology and releases for 21-day public comment period; TC has second review and makes recommendation to the Board

February 2018 – Board holds public hearing, reviews public comments, and adopts Methodology (including any changes based on public comment); DCHC MPO staff submits the Methodology to NCDOT Review Committee; TC reviews comments from NCDOT Review Committee and recommends changes to Methodology, if necessary

March 2018 – Board adopts revised Methodology, if necessary

Material Sharing

Comments on the DCHC MPO's *Methodology for Identifying and Ranking TIP Project Requests* or any information contained within may be submitted in writing to the DCHC MPO using the contact information below. Comments may also be offered during any DCHC MPO Board or DCHC MPO TC meeting. All meetings are open to the public and meeting schedules are available on the DCHC MPO's website <u>www.dchcmpo.org</u>.

Aaron Cain, AICP Senior Transportation Planner DCHC MPO City of Durham DOT 101 City Hall Plaza Durham, NC 27701 (919) 560-4366 x36443 email: aaron.cain@durhamnc.gov

Technical Committee 4/25/2018 Item 6



Collector Street Plan

April 25, 2018

www.dchcmpo.org

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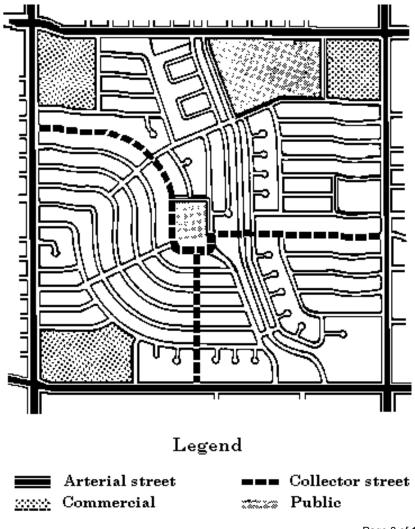


- Background on collector street planning at DCHC MPO
- Understand benefits of collector street planning
- Identify possible issues
- Get advice and consent from TC members



What is a collector street?

They form the intermediate link between local streets and arterial streets in the roadway network.





What are the benefits of a collector street?

- Greater distribution of traffic, reducing overall traffic congestion and the concentration of traffic on major roads for short trips.
- Improved routes for pedestrians, cyclists, buses, cars, deliveries, and emergency response vehicles.
- Reduced travel times without faster speeds.
- Delay or avoidance of widening major arterials beyond four lanes.



Technical Committee 4/25/2018 Item 6

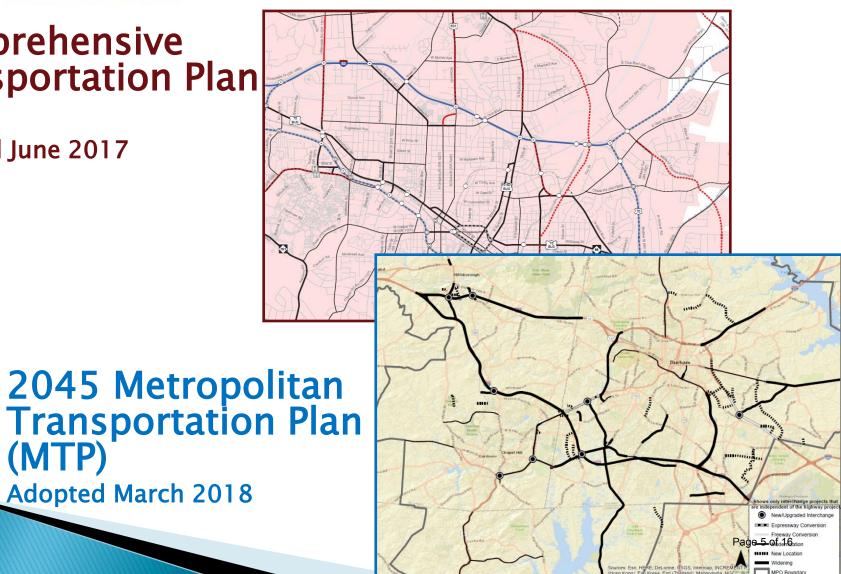


Comprehensive **Transportation Plan** (CTP) Adopted June 2017

(MTP)

Adopted March 2018

Where is MPO in longrange planning?





Where is MPO in longrange planning?

Corridor Plans

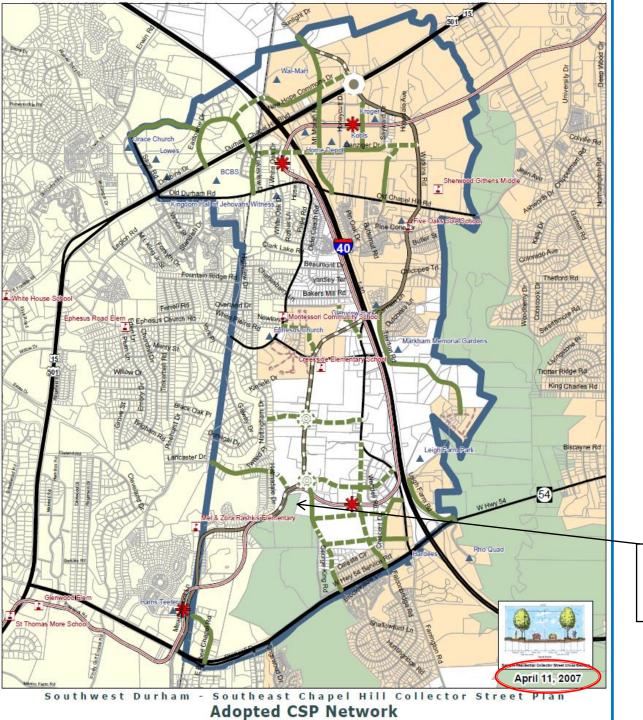
- NC 54/I-40 Corridor Study (2012)
- US 15-501Corridor Study (2014) (Chapel Hill to Pittsboro)
- NC 98 Corridor Study (2018)
- NC 54 West Corridor Study (2019)
- US 15-501 Corridor Study (2019)
- Downtown Durham Transportation Study (2019)

<u>Transit</u>

- Durham-Orange Light Rail Transit FEIS (2016)
- North–South BRT (2016)

Feasibility Studies

- I-40 Express Lanes Feasibility Study
- NC 147 Feasibility Study
- NC 54 Widening, from I-40 to NC 55
- NC 751 Widening, NC 54 to US 64
- Northern Durham Parkway



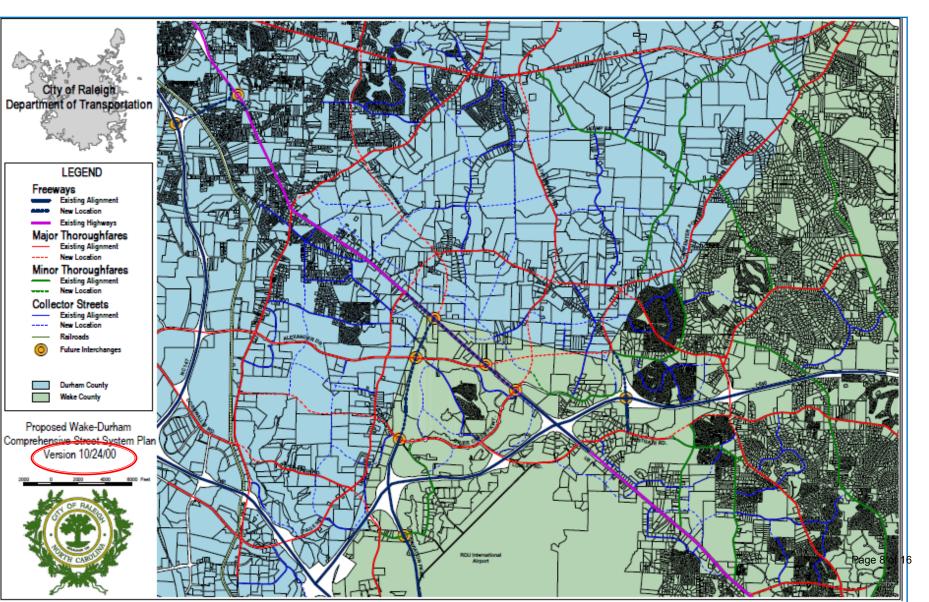
Collector Street Plans

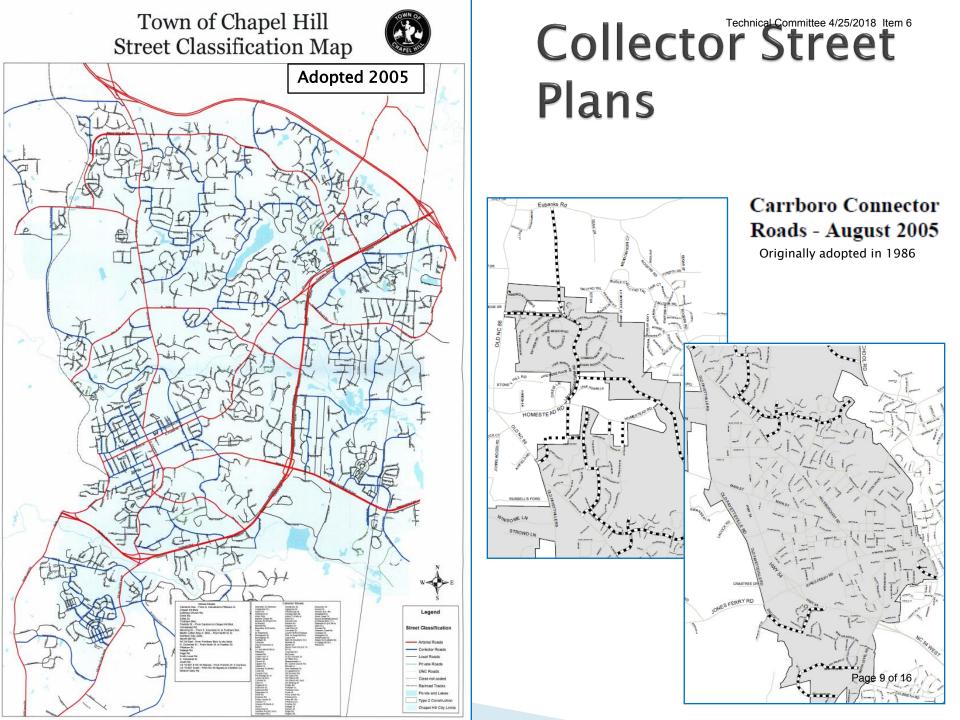
Southwest Durham/ Southeast Chapel Hill Collector Street Plan

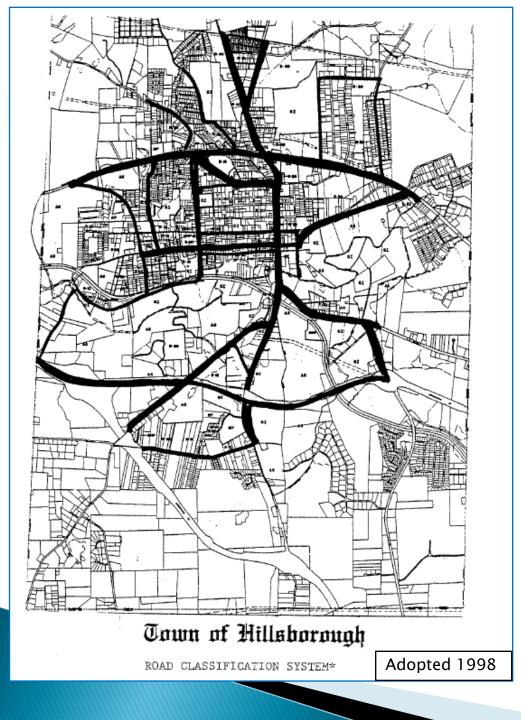
Southwest Durham Drive alignment was changed in 2045 MTP

Collector Street Plans

Wake-Durham Comprehensive Street System Plan

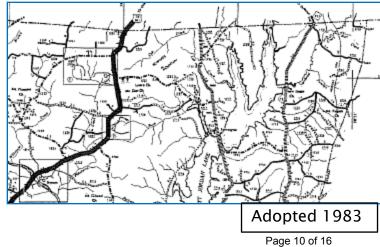






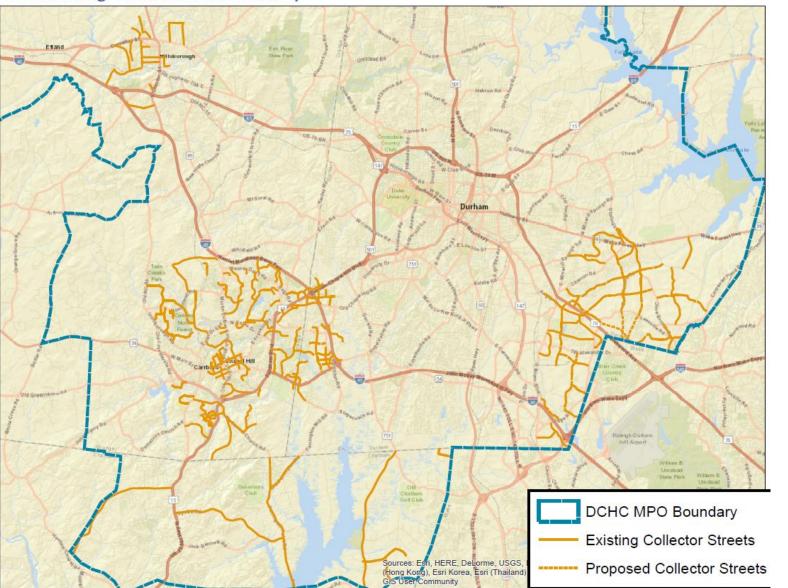
Collector Street







And, when you put all those different collector street plans together, they look like this...



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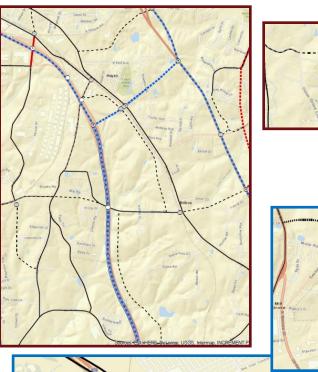
Technical Committee 4/25/2018 Item 6



Collector Streets Sneaking into Long-Range Plans

Comprehensive Transportation Plan (CTP) Adopted June 2017

2045 Metropolitan Transportation Plan (MTP) Adopted March 2018









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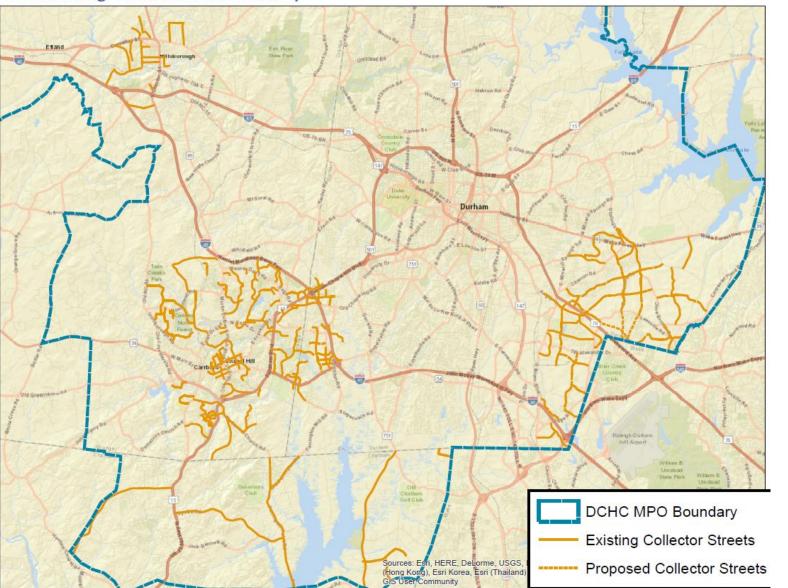
Collector Streets Needed in Corridor Plans

Example of missing connections along NC 98 corridor.





And, when you put all those different collector street plans together, they look like this...



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MPO Collector Street Plan

<u>Purpose</u>

Citizens, the development community, and government staff will use the plan to encourage the construction of a collector street network.

How Used

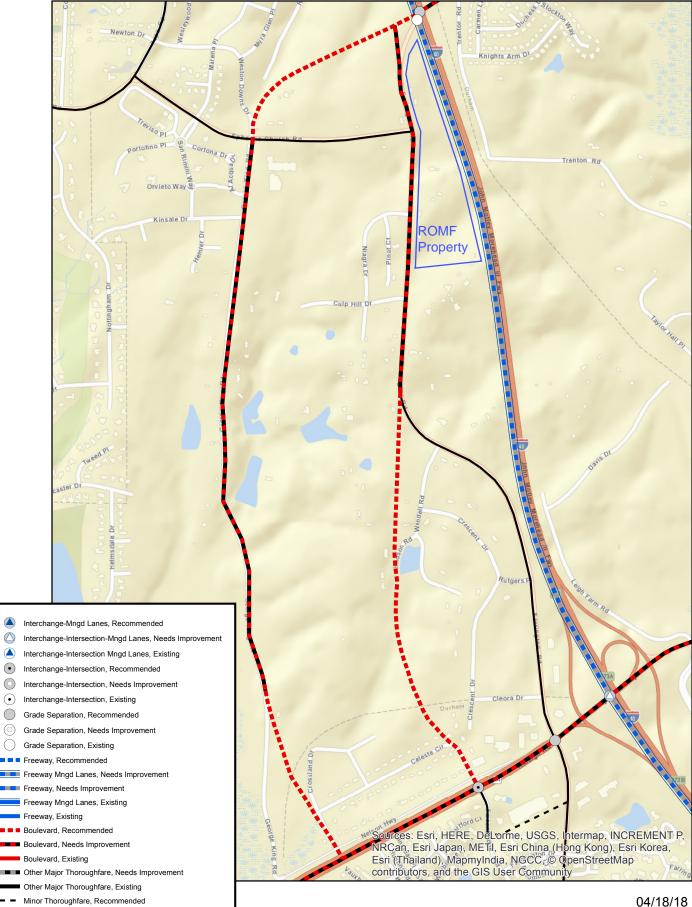
- Development professionals will know where to include collector streets in their plans for new developments
- Local governments, the NCDOT, elected officials and citizens will use the plan to evaluate submitted development plans



Issues to Consider

- Local government wants to continue using current collector street plan
 - OK! Can decide to not adopt MPO plan
 - Local and MPO plans can still coordinate
- How collector plan relate to 2045 MTP and CTP?
 - Given road hierarchy in CTP, might be best to relate it to CTP
- Some citizens might not want their street to be a designated collector or want the connectivity
 - Educate and communicate purpose, need and vision of collector streets

Comprehensive Transportation Plan (CTP) DCHC MPO -- D-O LRT ROMF Area



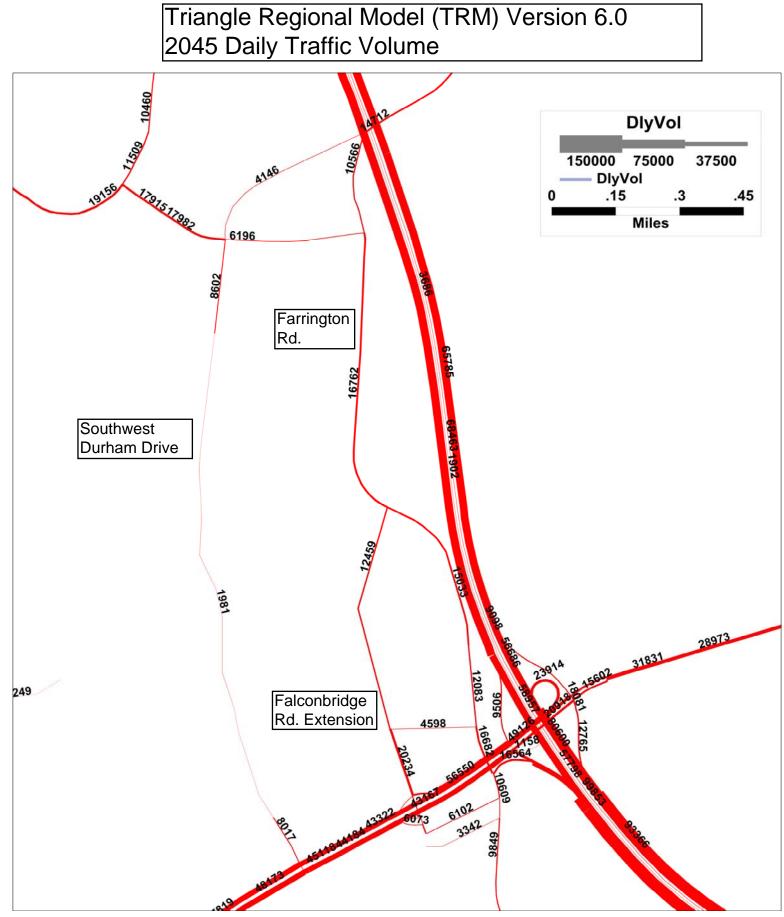
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Minor Thoroughfare, Needs Improvement

Minor Thoroughfare, Existing



April 19, 2018

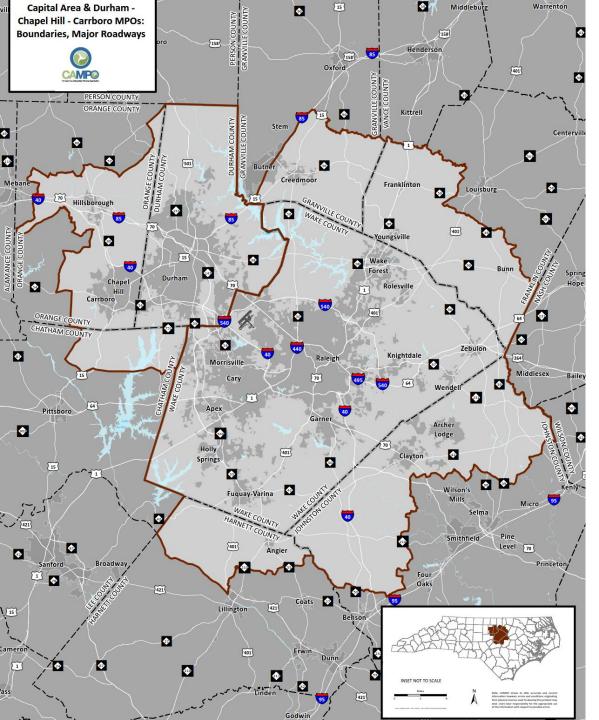


Triangle Strategic Tolling Study: Update

April 25, 2018

www.TriangleTollingStudy.com*

* For more detailed copy of this presentation and copy of Best Practices report



Study Overview

This study is a collaborative effort of:

Capital Area MPO Durham-Chapel Hill-Carrboro MPO

NCDOT

TRIANGLE STRATEGIC TOLLING STUDY

Technical Committee 4/25/2018 Item 8

Page 2 of 14

Study Overview

The Triangle Region is growing rapidly and to stay competitive with other regions, a study is being conducted to:

Evaluate the regional transportation network

Determine if toll lanes and/or managed lanes are applicable to the Triangle Region

Develop a toll lane and/or managed lane strategy to address current and future capacity needs with funding deficiencies

> TRIANGLE STRATEGIC TOLLING STUDY

> > Page 3 of 14

Technical Committee 4/25/2018 Item 8

Triangle Toll Feasibility Study Schedule

				2017										18							20		
ASK NAME	JUN	JUL	AUG	SEP	0CT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	0CT	NOV	DEC	JAN	FEB	MAR	AP
TASK 1: PROJECT MANAGEMENT																							
1.1 Project Management Plan																							
1.2 Quarterly Progress Reports/Study Schedule																							
1.3 Project Coordination																							
TASK 2: PROJECT INITIATION																							
2.2 Review Compiled Data																			LEGEND				
2.3 Best Practices Research																			Task Sub				
TASK 3: DATA COLLECTION																			_		sight Tearn Wo	orkshop	
3.1 Data Collection Validation for Tier 1 Screening																			O Tech	nical Team M	eetings		
3.2 Data Collection for Tier 2 Screening																			_				
TASK 4: SCREENING & EVALUATION PROCESS																							
4.1 Screening Criteria																							
4.2 Tier 1 Screening Evaluation																							
4.4 Tier 2 Screening Evaluation																							
TASK 5: EVALUATION SUMMARY & RECOMMENDATIONS																							
5.1 Regional Tolling & Managed Lanes Plan																							
TASK 6: FINAL REPORT																							
6.1 & 6.2 Prepare Final Report																							
ASK 7: PUBLIC ENGAGEMENT																							
2.1, 4.3, 5.2 Stakeholder Oversight Team Workshops										\mathbf{O}				0						\mathbf{O}			
1.3 Technical Team Meetings	0			\bigcirc		0							0			\bigcirc			0			0	
7.1 Stakeholder Meetings																							
7.2 Business/Civic Organization Presentations																							
7.3 Study Website																							
7.4 Social Media & 7.5 Data Tracking																							
7.6 Mid-Study Update																							
7.7 Final Study Presentations																						0	
7.8 Public Engagement Summary																							

TRATEGIC STUDY Page 4 of 14

What About the Income Equity of Tolls?

- Using policies to address effect of tolling on low income travelers ('income equity')
 - Low income incentive programs
 - Link to transit fare discount qualifications
 - Carpool incentives
 - Enhanced / targeted investments in transit service
 - Expanded options for electronic toll participation
 - Redistribution of net revenue

Studies have shown that low income drivers use priced facilities and benefit significantly from improved travel time and travel time reliability

TRIANGLE STRATEGIC TOLLING STUDY

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Best Practice Highlights - Equity Considerations

Common Equity Objections

- Paying for what has traditionally been "free"
- Paying twice (motor fuel taxes + tolls)
- Disproportionate distributions of costs/benefits

Equity Analysis & Framework

- Income Equity
- Modal Equity
- Geographic Equity

Potential Mitigation Strategies

- Revenue Allocation
- Toll Discounts
- Toll Transit Credits
- Carpool Loyalty Program



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Best Practice Highlights - Operating Policy

- Electronic Toll Collection (ETC)
- Pricing Models
- Exemptions & Vehicle Eligibility
- Building Consensus
- Public Outreach
- Use of Revenue
- Benefits of Express Lane Bus Service
- Design Considerations

Copy of full report at: http://triangletollingstudy.com/resources/





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Stakeholder Meetings Overview

- Seven meetings involving 1, 2 or 3 interviewees
- Meeting attended by 6 elected officials and representatives of RTA and GoTriangle
- Meeting attended by 9 staff representatives of MPOs, NCDOT & other relevant groups



QUESTION: Current Community Issues Potentially Impacting the Perception of Tolling/Express Toll Lanes in the Triangle



Technical Committee 4/25/2018 Item 8

TRIANGLE STRATEGIC TOLLING STUDY

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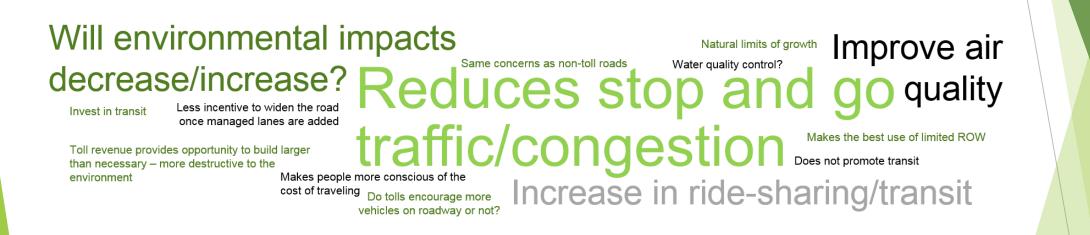
QUESTION: Mitigating Identified Impacts or Problems

Enhance Transit Service/Rideshare Free Use for Transit Vehicles Different Transponders/Subsidies for Low Income Users

TRIANGLE STRATEGIC TOLLING STUDY

Page 10 of 14

QUESTION: Views on Potential Environmental Benefits/Concerns





QUESTION: Biggest Opportunities For Improving the Perception of Tolling During the Triangle Strategic Tolling Study

Outreach & Education

• Transparency (cost of tolls, toll lane revenue, positives of Triangle Expressway, tolls based on traffic flow)

Marketing/Social Media (Reach as Many People as Possible)

Open Triangle Expressway Early to Demonstrate Value

Identify Options for Beneficial Tradeoffs (Mitigation of impacts to low income populations, environmental sustainability, supporting transit)

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TRIANGLE STRATEGIC

Technical Committee 4/25/2018 Item 8

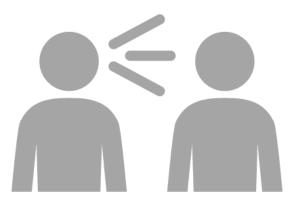
Next Steps

- Develop screening criteria (performance measures)
- Complete Tier 1 screening evaluation
- Present update and Tier 1 screening results to MPO Boards early August
- Continue public engagement (website, social media, etc.)



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More Information?



- http://triangletollingstudy.com
- ► Kenneth Withrow, AICP

CAMPO

- Kenneth.Withrow@campo-nc.us
- (919) 996-4394
- ► Lynn Purnell, PE, ENV SP
 - WSP Lynn.Purnell@wsp.com (704) 342-5405

www.TriangleTollingStudy.com

TRIANGLE STRATEGIC TOLLING STUDY

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REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

* EB-5720	- DURHAM-CHAPEL HILL-CARRBORO
DURHAM	METROPOLITAN PLANNING ORGANIZATION
PROJ.CATEGORY	
DIVISION	

ENGINEERING	FY 2018 -	\$230,000	(TAP)
	FY 2018 -	\$58,000	(L)
RIGHT-OF-WAY	FY 2020 -	\$3,000	(TAP)
	FY 2020 -	\$11,000	(L)
CONSTRUCTION	FY 2021 -	\$3,524,000	(TAP)
	FY 2021 -	\$908,000	(L)
		\$4,734,000	

* INDICATES FEDERAL AMENDMENT

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM

STATEWIDE PROJECT

STIP	MOD	IFICA	TIONS
------	-----	--------------	-------

* R-5753 STATEWIDE PROJ.CATEGORY EXEMPT	- STATEWIDE PROJECT	VARIOUS, FEDERAL LANDS TRANSPORTATION PROGRAM (FLTP). ROAD AND BRIDGE IMPROVEMENTS TO BE CONSTRUCTED ON TRANSPORTATION FACILITIES THAT ARE OWNED BY THE FEDERAL GOVERNMENT THAT PROVIDE ACCESS TO FEDERAL LANDS. PROJECT MODIFIED TO REFLECT CURRENT FUNDING LEVELS.	CONSTRUCTION	FY 2018 - FY 2019 - FY 2019 - FY 2019 - FY 2020 -	\$9,812,000 \$1,794,000 \$9,955,000 \$35,062,000 \$56,623,000	(FLTP) (ERFO) (FLTP) (FLTP)
U-4724 DURHAM PROJ.CATEGORY TRANSITION	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	SR 1158 (CORNWALLIS ROAD), SR 2295 (SOUTH ROXBORO STREET) TO SR 1127 (CHAPEL HILL ROAD) IN DURHAM. BICYCLE AND PEDESTRIAN FEATURES. TO ALLOW ADDITIONAL TIME FOR DESIGN AND RIGHT OF WAY DELAY CONSTRUCTION FROM FY 18 TO FY 20.	CONSTRUCTION	FY 2020 - FY 2020 -	\$3,854,000 \$1,124,000 \$4,978,000	(STBGDA) (L)



Durham - Chapel Hill - Carrboro Metropolitan Planning Organization Technical Committee April 25, 2018

FY 2018-2027 TIP Amendment #3 Summary Sheet

See full report for additional information on each project.

- **R-5753 Federal Lands Transportation Program:** Funding added to reflect current schedule.
- U-4724 SR 1158 (Cornwallis Road): Delay construction until 2020 to allow additional time for design and ROW.
- Language adopted into TIP to address performance measure requirement.

RESOLUTION TO MODIFY THE 2018-2027 TRANSPORTATION IMPROVEMENT PROGRAM FOR THE DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING AREA

AMENDMENT #3 May 9, 2018

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 2018-2027 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

WHEREAS, in accordance with 23 CFR 450.326 (d), "the TIP shall include, to the maximum extent practicable, a description of the anticipated effect of the TIP toward achieving the performance targets identified in the metropolitan transportation plan, linking investment priorities to those performance targets"; and

BE IT THEREFORE RESOLVED that the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Board hereby approve the following language to be added to the FY 2018-2027 Transportation Improvement Program of the Durham-Chapel Hill-Carrboro Urban Area:

The DCHC MPO has established performance management targets for highway safety and for transit tier 2 providers that choose to participate in NCDOT's Group Transit Asset Management (TAM) Plan and will establish federally mandated performance management targets for infrastructure condition, congestion, system reliability, emissions, and freight movement. The DCHC MPO anticipates meeting their identified targets with the mix of projects included in the TIP.

The Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Board hereby also approve the Amendment #3 to the FY 2018-2027 Transportation Improvement Program of the Durham-Chapel Hill-Carrboro Urban Area, as approved by the Board on May 9, 2018, and as described in the "FY 2018-2027 TIP Amendment #3 Summary Sheet" on this, the 9th day of May, 2018.

Damon Seils, MPO Board Chair

Durham County, North Carolina

I certify that Damon Seils personally appeared before me this day acknowledging to me that

he signed the forgoing document.

Date: April 11, 2018

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

MEMORANDUM

To: DCHC MPO Board

From: DCHC MPO Lead Planning Agency

Date: April 11, 2018

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

This memorandum provides a summary status of tasks for major DCHC MPO projects in the Unified Planning Work Program (UPWP).

- Indicates that task is ongoing and not complete.
- \checkmark Indicates that task is complete.

<u>Major UPWP – Projects</u>

Comprehensive Transportation Plan (CTP)

✓ Completed

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 August 2017
- ✓ Preferred Option October 2017
- ✓ Air Quality analysis and Conformity (not required)
- ✓ Adopt 2045 MTP March 2018
- ✓ Technical report and implementation December 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 December 2017

2016/2017 MPO Data Collection & Surveillance of Change (Traffic/Travel Time/Crash/Transit)

- ✓ Data collection (Volume/Trucks/Travel Time/Speed/Bike/Ped) ongoing –continuous data collection
- ✓ Data collection (AirSage, INRIX, HERE data)
- ✓ 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 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

- ✓ Completed
- Work Commences on the Rolling Household Survey

Prioritization 5.0/STI

- ✓ Summarize MPO P4 projects not funded ("Holding Tank" for P5) –February 2017
- ✓ Board approves existing projects revisions/modifications projects to be submitted for SPOT-5 May 10, 2017 (deadline July 30, 2017)
- ✓ Preparation and ranking of new projects (23 for each mode) –February to June 2017
- ✓ Existing project revision/modification/deletion due to NCDOT for receiving extra new submittals (one out, one in) – July 30, 2017
- ✓ SPOT-5 Online opens for entering new P5 projects July 5 (deadline September 29, 2017)
- ✓ Board approves new projects to be submitted for SPOT-5 September 13, 2017
- ✓ MPO submits new SPOT-5 projects to NCDOT September 29, 2017
- ✓ LPA updates local ranking methodology December 2017
- ✓ TCC makes recommendation on local ranking methodology January 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 June 2018
- Board releases MPO assigned points for local input/public comments May 9, 2018
- Board holds public hearing on locally assigned points 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)

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
- ✓ Self-assessment Data Analysis July 2017-December 2017
- ✓ FHWA/NCDOT Final Review February 2018
- ✓ Final approval December 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) September/October 2017
- Final plan February 2018

NC 54 West Corridor Study

- ✓ Select consultant February 2017
- ✓ Project kick-off and initial public engagement September 2017
- ✓ Inventory and Existing Conditions November 2017
- ✓ Transportation analysis (and public engagement) January 2018
- Conceptual designs and options (and public engagement) May 2018
- Final plan August 2018

US 15-501 Corridor Study

- ✓ Funding approved by NCDOT
- Project Management Plan
- Public engagement plan
- Technical Kick-off meeting
- Development of corridor vision goals and performance measures
- Development of corridor profile
- Prepare summary of existing plans
- Prepare community profile report
- Develop and forecast travel profile/multi modal analysis
- ITS Screening
- Accessibility evaluation
- Evaluation of alternative strategies
- Implementation plan and final report
- Plan adoption
- SPOT submittal

Regional Intelligent Transportation System

- ✓ Project management plan
- Development of public involvement strategy and communication plan

- Conduct stakeholder workshops
- Analysis of existing conditions
- Assessment of need and gaps
- Review existing deployments and evaluate technologies
- Identification of ITS strategies
- Update Triangle Regional Architecture
- Develop Regional Architecture Use and maintenance
- Develop project prioritization methodology
- Prepare Regional ITS Deployment Plan and Recommendation
- •

Regional Toll Study

- ✓ Prepare project management and coordination plan
- ✓ Project initiation
- Survey and questionnaire/education
- Data preparation /data collection/screening
- Review state of the practice
- Analysis of market characteristics
- Screening
- Tolling and managed lane strategies
- Recommendations
- Project prioritization

Project Development/NEPA

- US 70 Freeway Conversion
- NC 54 Widening
- NC 147 Interchange Reconstruction
- I-85
- I-40

DOLRT-Engineering

- Administration of the Staff Working Group
- Review of engineering plans
- Stakeholder participation

Safety Performance Measures Target Setting

- \checkmark Data mining and analysis
- ✓ Development of rolling averages and baseline
- ✓ Development of targets setting framework
- ✓ Estimates of achievements
- Forecast of data and measures

Up Coming Projects

- Mobility Report Card
- Congestion Management Process (CMP)
- State of Systems Report

Contract Number: C203394	
	Route: I-885, NC-147, NC-98
	US-70
Division: 5	County: Durham
TIP Number: U-0071	
Length: 4.009 miles	Federal Aid Number:
NCDOT Contact: Cameron D. Richards	NCDOT Contact No: (919)835-8200
Location Description: EAST END CONNECTO	OR FROM NORTH OF NC-98 TO NC-147 (BUCK DEAN M.
	IVI.
Contractor Name: DRAGADOS USA INC	
Contract Amount: \$141,949,500.00	Cost Overrun/Underrun: 6.96%
Work Began: 02/26/2015 Original Completion Date: 05/10/2020	Letting Date: 11/18/2014 Revised Completion Date:
Latest Payment Thru: 03/22/2018	Scheduled Progress: 60.68%
Latest Payment Date: 03/29/2018	Actual Progress: 63.59%
Contract Number: C203492	Route: SR-2220
Division: 5	County: Durham
TIP Number: EB-4707B	
Length: 1.756 miles	Federal Aid Number: STPDA-0505(64)
NCDOT Contact: Troy B. Brooks, PE	NCDOT Contact No: (919)707-2400
Location Description: SR-2220 (OLD CHAPE	L HILL ROAD) FROM SR-1113 (POPE ROAD) TO SR-1116
Contractor Name: FSC II LLC DBA FRED	
Contract Amount: \$7,295,544.75	Cost Overrun/Underrun: 2.72%
Work Began: 06/26/2017	Letting Date: 05/16/2017
Original Completion Date: 05/14/2019	Revised Completion Date:
Latest Payment Thru: 02/28/2018	Scheduled Progress: 31%
Latest Payment Date: 03/09/2018	Actual Progress: 37.32%
Contract Number: C203567	Route: NC-55
Division: 5	County: Durham
TIP Number: U-3308	County Banan
Length: 1.134 miles	Federal Aid Number: STP-55(20)
NCDOT Contact: Troy B Brooks PF	NCDOT Contact No: (919)707-2400
NC-55 (ALSTON AVE)	FROM NC-147 (BUCK DEAN FREEWAY) TO NORTH OF US-
Location Description: 70BUS/NC-98 (HOLLÓ	WAY ST).
Contractor Name: ZACHRY CONSTRUCT	FION CORPORATION
Contract Amount: \$39,756,916.81	
	Cost Overrun/Underrun: 2.38%
Work Began: 10/05/2016	Letting Date: 07/19/2016
Original Completion Date: 03/30/2020	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1%
Original Completion Date: 03/30/2020	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58%
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: -
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58%
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10)
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616.
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0%
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0%
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0%
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date:	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0%
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date:	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Route: US-70
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date: Contract Number: C204087 Division: 5	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0%
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date: Contract Number: C204087 Division: 5 TIP Number:	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Route: US-70 County: Durham
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date: Contract Number: C204087 Division: 5 TIP Number: Length: 44.124 miles	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Route: US-70 County: Durham Federal Aid Number:
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date: Contract Number: C204087 Division: 5 TIP Number: Length: 44.124 miles NCDOT Contact: Cameron D. Richards	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Route: US-70 County: Durham Federal Aid Number: NCDOT Contact No: (919)835-8200
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date: Contract Number: C204087 Division: 5 TIP Number: Length: 44.124 miles NCDOT Contact: Cameron D. Richards Location Description: 1 SECTION OF US-70.	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Actual Progress: 0% Federal Aid Number: NCDOT Contact No: (919)835-8200 AND 106 SECTIONS OF SECONDARY ROADS.
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date: Contract Number: C204087 Division: 5 TIP Number: Length: 44.124 miles NCDOT Contact: Cameron D. Richards Location Description: 1 SECTION OF US-70. Contractor Name: CAROLINA SUNROCK	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Actual Progress: 0% Route: US-70 County: Durham Federal Aid Number: NCDOT Contact No: (919)835-8200 AND 106 SECTIONS OF SECONDARY ROADS. LLC
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date: Contract Number: C204087 Division: 5 TIP Number: Length: 44.124 miles NCDOT Contact: Cameron D. Richards Location Description: 1 SECTION OF US-70. Contractor Name: CAROLINA SUNROCK Contract Amount: \$7,054,264.20	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Actual Progress: 0% Route: US-70 County: Durham Federal Aid Number: NCDOT Contact No: (919)835-8200 AND 106 SECTIONS OF SECONDARY ROADS. ILLC Cost Overrun/Underrun: 0%
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date: Contract Number: C204087 Division: 5 TIP Number: Length: 44.124 miles NCDOT Contact: Cameron D. Richards Location Description: 1 SECTION OF US-70 Contractor Name: CAROLINA SUNROCK Contract Amount: \$7,054,264.20 Work Began: 01/16/2018	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Actual Progress: 0% Route: US-70 County: Durham Federal Aid Number: NCDOT Contact No: (919)835-8200 AND 106 SECTIONS OF SECONDARY ROADS. :LLC Cost Overrun/Underrun: 0% Letting Date: 09/19/2017
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date: Contract Number: C204087 Division: 5 TIP Number: Length: 44.124 miles NCDOT Contact: Cameron D. Richards Location Description: 1 SECTION OF US-70 Contract Amount: \$7,054,264.20 Work Began: 01/16/2018 Original Completion Date: 11/15/2018	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Actual Progress: 0% Route: US-70 County: Durham Federal Aid Number: NCDOT Contact No: (919)835-8200 AND 106 SECTIONS OF SECONDARY ROADS. ILLC Cost Overrun/Underrun: 0% Letting Date: 09/19/2017 Revised Completion Date:
Original Completion Date: 03/30/2020 Latest Payment Thru: 03/15/2018 Latest Payment Date: 03/23/2018 Contract Number: C203987 Division: 5 TIP Number: B-4943 Length: 0.18 miles NCDOT Contact: James M. Nordan, PE Location Description: BRIDGE #20 OVER DI/ Contractor Name: FSC II LLC DBA FRED Contract Amount: \$0.00 Work Began: 05/07/2018 Original Completion Date: 04/30/2019 Latest Payment Thru: Latest Payment Date: Contract Number: C204087 Division: 5 TIP Number: Length: 44.124 miles NCDOT Contact: Cameron D. Richards Location Description: 1 SECTION OF US-70. Contractor Name: CAROLINA SUNROCK Contract Amount: \$7,054,264.20 Work Began: 01/16/2018	Letting Date: 07/19/2016 Revised Completion Date: 07/16/2020 Scheduled Progress: 20.1% Actual Progress: 23.58% Route: - County: Durham Federal Aid Number: BRZ-1616(10) NCDOT Contact No: (919)220-4680 AL CREEK ON SR-1616. SMITH COMPANY Cost Overrun/Underrun: 0% Letting Date: 01/16/2018 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Actual Progress: 0% Route: US-70 County: Durham Federal Aid Number: NCDOT Contact No: (919)835-8200 AND 106 SECTIONS OF SECONDARY ROADS. :LLC Cost Overrun/Underrun: 0% Letting Date: 09/19/2017

Contract Number: DE00173	Route: SR-1104	
Division: 5	County: Durham	
TIP Number: W-5205V		
Length: 0 miles	Federal Aid Number: HSIP-1104(19)	
5		
NCDOT Contact: Troy B. Brooks, PE	NCDOT Contact No: (919)707-2400	
Location Description: SR 1104/SR 1105 (H	ERNDON RD) AT SR 1106 (MASSEY CHAPEL/ BARBEE RD) I	N
Contractor Name: TRIANGLE GRADING	G & PAVING INC	
Contract Amount: \$1,046,988.75	Cost Overrun/Underrun: 9.58%	
Work Began: 05/01/2017	Letting Date: 11/09/2016	
Original Completion Date: 08/18/2017	Revised Completion Date: 10/31/2017	
Latest Payment Thru: 03/15/2018	Scheduled Progress: 100%	
	0	
Latest Payment Date: 03/22/2018	Actual Progress: 66.28%	
Contract Number: DE00206	Route: SR-1308	
Division: 5	County: Durham	
TIP Number:	ooungibaniani	
	Federal Aid Number	
Length: 0.23 miles	Federal Aid Number:	
NCDOT Contact: Cameron D. Richards		
Location Description: BRIDGE #117 OVER	R MUD CREEK SR 1308 (CORNWALLIS ROAD)	
Contractor Name: DANE CONSTRUCT	ION INC	
Contract Amount: \$0.00	Cost Overrun/Underrun: 0%	
Work Began:	Letting Date: 12/13/2017	
Original Completion Date:	Revised Completion Date:	
•	•	
Latest Payment Thru:	Scheduled Progress: 0%	
Latest Payment Date:	Actual Progress: 0%	
Contract Number: DE00213	Route: NC-55	
Division: 5	County: Durham	
	County. Dumain	
TIP Number:		
Length: 0 miles	Federal Aid Number:	
NCDOT Contact: Cameron D. Richards	s NCDOT Contact No: (919)835-8200	
Location Description: VARIOUS PRIMARY	AND SECONDARY ROUTES IN DURHAM COUNTY	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNRO	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNRO Contract Amount: \$4,169,878.04	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04%	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNRO Contract Amount: \$4,169,878.04 Work Began: 10/18/2017	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04% Letting Date: 06/28/2017	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNRO Contract Amount: \$4,169,878.04 Work Began: 10/18/2017 Original Completion Date: 06/01/2018	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04% Letting Date: 06/28/2017 Revised Completion Date:	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNRO Contract Amount: \$4,169,878.04 Work Began: 10/18/2017 Original Completion Date: 06/01/2018 Latest Payment Thru: 02/28/2018	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04% Letting Date: 06/28/2017 Revised Completion Date: Scheduled Progress: 9.3%	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNRO Contract Amount: \$4,169,878.04 Work Began: 10/18/2017 Original Completion Date: 06/01/2018	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04% Letting Date: 06/28/2017 Revised Completion Date:	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNROO Contract Amount: \$4,169,878.04 Work Began: 10/18/2017 Original Completion Date: 06/01/2018 Latest Payment Thru: 02/28/2018 Latest Payment Date: 03/07/2018	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04% Letting Date: 06/28/2017 Revised Completion Date: Scheduled Progress: 9.3% Actual Progress: 38.59%	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNROO Contract Amount: \$4,169,878.04 Work Began: 10/18/2017 Original Completion Date: 06/01/2018 Latest Payment Thru: 02/28/2018 Latest Payment Date: 03/07/2018 Contract Number: DE00214	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04% Letting Date: 06/28/2017 Revised Completion Date: Scheduled Progress: 9.3% Actual Progress: 38.59% Route: SR-XXX	
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Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNROO Contract Amount: \$4,169,878.04 Work Began: 10/18/2017 Original Completion Date: 06/01/2018 Latest Payment Thru: 02/28/2018 Latest Payment Date: 03/07/2018 Contract Number: DE00214 Division: 5 TIP Number: Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: VARIOUS SECOND/ Contractor Name: WHITEHURST PAVI Contract Amount: \$0.00 Work Began: Original Completion Date: 07/01/2018 Latest Payment Thru: Latest Payment Thru: Latest Payment Date: Contract Number: DE00216 Division: 5 TIP Number: W-5601GD, W-56010 W-5601HX W-5601HY Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: SR 1361 (VICKERS / Contractor Name: BRENTWOOD DISPI	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04% Letting Date: 06/28/2017 Revised Completion Date: Scheduled Progress: 9.3% Actual Progress: 9.3% Actual Progress: 38.59% Route: SR-XXX County: Durham Federal Aid Number: NCDOT Contact No: (919)707-2400 ARY ROUTES IN DURHAM AND PERSON COUNTIES NG CO INC Cost Overrun/Underrun: 0% Letting Date: 06/14/2017 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Route: SR-1361 County: Durham 3G, Federal Aid Number: HSIP-1361(010) NCDOT Contact No: (919)707-2400 AVE) AT LAKEWOOD AVENUE IN DURHAM COUNTY	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNROO Contract Amount: \$4,169,878.04 Work Began: 10/18/2017 Original Completion Date: 06/01/2018 Latest Payment Thru: 02/28/2018 Latest Payment Date: 03/07/2018 Contract Number: DE00214 Division: 5 TIP Number: Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: VARIOUS SECOND/ Contract or Name: WHITEHURST PAVI Contract Amount: \$0.00 Work Began: Original Completion Date: 07/01/2018 Latest Payment Thru: Latest Payment Thru: Latest Payment Date: Contract Number: DE00216 Division: 5 TIP Number: W-5601GD, W-56010 W-5601HX W-5601HY Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: SR 1361 (VICKERS / Contractor Name: BRENTWOOD DISP	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04% Letting Date: 06/28/2017 Revised Completion Date: Scheduled Progress: 9.3% Actual Progress: 9.3% Actual Progress: 38.59% Route: SR-XXX County: Durham Federal Aid Number: NCDOT Contact No: (919)707-2400 ARY ROUTES IN DURHAM AND PERSON COUNTIES NG CO INC Cost Overrun/Underrun: 0% Letting Date: 06/14/2017 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Actual Progress: 0% Route: SR-1361 County: Durham GG, Federal Aid Number: HSIP-1361(010) NCDOT Contact No: (919)707-2400 AVE) AT LAKEWOOD AVENUE IN DURHAM COUNTY LAY SERVICES INC.	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNROO Contract Amount: \$4,169,878.04 Work Began: 10/18/2017 Original Completion Date: 06/01/2018 Latest Payment Thru: 02/28/2018 Latest Payment Date: 03/07/2018 Contract Number: DE00214 Division: 5 TIP Number: Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: VARIOUS SECOND/ Contractor Name: WHITEHURST PAVI Contract Amount: \$0.00 Work Began: Original Completion Date: 07/01/2018 Latest Payment Thru: Latest Payment Thru: Latest Payment Date: Contract Number: DE00216 Division: 5 TIP Number: W-5601GD, W-56010 W-5601HX W-5601HY Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: SR 1361 (VICKERS / Contractor Name: BRENTWOOD DISPI Contract Amount: \$211,982.82 Work Began: 07/05/2017	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04% Letting Date: 06/28/2017 Revised Completion Date: Scheduled Progress: 9.3% Actual Progress: 9.3% Actual Progress: 38.59% Route: SR-XXX County: Durham Federal Aid Number: NCDOT Contact No: (919)707-2400 ARY ROUTES IN DURHAM AND PERSON COUNTIES NG CO INC Cost Overrun/Underrun: 0% Letting Date: 06/14/2017 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Actual Progress: 0% Scheduled Progress: 0% County: Durham GG, Federal Aid Number: HSIP-1361(010) NCDOT Contact No: (919)707-2400 AVE) AT LAKEWOOD AVENUE IN DURHAM COUNTY LAY SERVICES INC. Cost Overrun/Underrun: 8.23% Letting Date: 05/24/2017	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNROO Contract Amount: \$4,169,878.04 Work Began: 10/18/2017 Original Completion Date: 06/01/2018 Latest Payment Thru: 02/28/2018 Latest Payment Date: 03/07/2018 Contract Number: DE00214 Division: 5 TIP Number: Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: VARIOUS SECOND/ Contractor Name: WHITEHURST PAVI Contract Amount: \$0.00 Work Began: Original Completion Date: 07/01/2018 Latest Payment Thru: Latest Payment Thru: Latest Payment Date: Contract Number: DE00216 Division: 5 TIP Number: W-5601GD, W-56010 W-5601HX W-5601HY Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: SR 1361 (VICKERS / Contractor Name: BRENTWOOD DISPI Contract Amount: \$211,982.82 Work Began: 07/05/2017 Original Completion Date: 12/05/2017	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04% Letting Date: 06/28/2017 Revised Completion Date: Scheduled Progress: 9.3% Actual Progress: 9.3% Actual Progress: 38.59% Route: SR-XXX County: Durham Federal Aid Number: NCDOT Contact No: (919)707-2400 ARY ROUTES IN DURHAM AND PERSON COUNTIES NG CO INC Cost Overrun/Underrun: 0% Letting Date: 06/14/2017 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Actual Progress: 0% Scheduled Progress: 0% County: Durham GG, Federal Aid Number: HSIP-1361(010) NCDOT Contact No: (919)707-2400 AVE) AT LAKEWOOD AVENUE IN DURHAM COUNTY LAY SERVICES INC. Cost Overrun/Underrun: 8.23% Letting Date: 05/24/2017 Revised Completion Date:	
Location Description: VARIOUS PRIMARY Contractor Name: CAROLINA SUNROO Contract Amount: \$4,169,878.04 Work Began: 10/18/2017 Original Completion Date: 06/01/2018 Latest Payment Thru: 02/28/2018 Latest Payment Date: 03/07/2018 Contract Number: DE00214 Division: 5 TIP Number: Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: VARIOUS SECOND/ Contractor Name: WHITEHURST PAVI Contract Amount: \$0.00 Work Began: Original Completion Date: 07/01/2018 Latest Payment Thru: Latest Payment Thru: Latest Payment Date: Contract Number: DE00216 Division: 5 TIP Number: W-5601GD, W-56010 W-5601HX W-5601HY Length: 0 miles NCDOT Contact: Troy B. Brooks, PE Location Description: SR 1361 (VICKERS / Contractor Name: BRENTWOOD DISPI Contract Amount: \$211,982.82 Work Began: 07/05/2017	AND SECONDARY ROUTES IN DURHAM COUNTY CK LLC Cost Overrun/Underrun: 0.04% Letting Date: 06/28/2017 Revised Completion Date: Scheduled Progress: 9.3% Actual Progress: 9.3% Actual Progress: 38.59% Route: SR-XXX County: Durham Federal Aid Number: NCDOT Contact No: (919)707-2400 ARY ROUTES IN DURHAM AND PERSON COUNTIES NG CO INC Cost Overrun/Underrun: 0% Letting Date: 06/14/2017 Revised Completion Date: Scheduled Progress: 0% Actual Progress: 0% Actual Progress: 0% Scheduled Progress: 0% County: Durham GG, Federal Aid Number: HSIP-1361(010) NCDOT Contact No: (919)707-2400 AVE) AT LAKEWOOD AVENUE IN DURHAM COUNTY LAY SERVICES INC. Cost Overrun/Underrun: 8.23% Letting Date: 05/24/2017	

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Contract Number: DE00228	Route: I-85
Division: 5	County: Durham
TIP Number: I-5729	
Length: 5.61 miles	Federal Aid Number: NHPP-0085(013)
NCDOT Contact: Troy B. Brooks, PE	NCDOT Contact No: (919)707-2400
Location Description: I-85 FROM US-15/501	TO EAST OF SR-1827 (MIDLAND TERRACE RD) IN DURHAM
Contractor Name: INTERSTATE IMPRO	VEMENT INC
Contract Amount: \$4,168,265.78	Cost Overrun/Underrun: 2.02%
Work Began: 03/13/2018	Letting Date: 10/11/2017
Original Completion Date: 11/01/2018	Revised Completion Date:
Latest Payment Thru: 03/22/2018	Scheduled Progress: 5.6%
Latest Payment Date: 04/02/2018	Actual Progress: 10.61%
Contract Number: DE00230	Route: SR-1118
Contract Number: DE00230 Division: 5	Route: SR-1118 County: Durham
Division: 5	
Division: 5 TIP Number: W-5601EH Length: 0 miles	County: Durham Federal Aid Number: HSIP-1118(007)
Division: 5 TIP Number: W-5601EH Length: 0 miles	County: Durham Federal Aid Number: HSIP-1118(007)
Division: 5 TIP Number: W-5601EH Length: 0 miles	County: Durham Federal Aid Number: HSIP-1118(007) NCDOT Contact No: (919)220-4680 ILLE ROAD) AT COOK ROAD (SOUTHERN INTERSECTION) IN
Division: 5 TIP Number: W-5601EH Length: 0 miles NCDOT Contact: James M. Nordan, PE Location Description: SR 1118 (FAYETTEVI DURHAM	County: Durham Federal Aid Number: HSIP-1118(007) NCDOT Contact No: (919)220-4680 ILLE ROAD) AT COOK ROAD (SOUTHERN INTERSECTION) IN
Division: 5 TIP Number: W-5601EH Length: 0 miles NCDOT Contact: James M. Nordan, PE Location Description: SR 1118 (FAYETTEVI DURHAM Contractor Name: FULCHER ELECTRIC	County: Durham Federal Aid Number: HSIP-1118(007) NCDOT Contact No: (919)220-4680 ILLE ROAD) AT COOK ROAD (SOUTHERN INTERSECTION) IN : OF FAYETTEVILLE INC
Division: 5 TIP Number: W-5601EH Length: 0 miles NCDOT Contact: James M. Nordan, PE Location Description: SR 1118 (FAYETTEVI DURHAM Contractor Name: FULCHER ELECTRIC Contract Amount: \$70,660.50	County: Durham Federal Aid Number: HSIP-1118(007) NCDOT Contact No: (919)220-4680 ILLE ROAD) AT COOK ROAD (SOUTHERN INTERSECTION) IN : OF FAYETTEVILLE INC Cost Overrun/Underrun: 1.07%
Division: 5 TIP Number: W-5601EH Length: 0 miles NCDOT Contact: James M. Nordan, PE Location Description: SR 1118 (FAYETTEVI DURHAM Contractor Name: FULCHER ELECTRIC Contract Amount: \$70,660.50 Work Began: 02/15/2018	County: Durham Federal Aid Number: HSIP-1118(007) NCDOT Contact No: (919)220-4680 ILLE ROAD) AT COOK ROAD (SOUTHERN INTERSECTION) IN COF FAYETTEVILLE INC Cost Overrun/Underrun: 1.07% Letting Date: 12/13/2017

Project ID	Description	<u>R/W Plans</u> Complete	<u>R/W Acqu</u> <u>Begins</u>	Let Type	Let Date	Project Manager	Con Est	<u>Comments</u>
W-5705C	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			Division POC Let (DPOC)	2/28/2018	MICHAEL KNEIS	\$375,000	
U-4726HJ	CONSTRUCTION OF SIDEWALKS ON NC 751 BETWEEN GARRETT RD AND NC 54, AND ON NC 54 BETWEEN NC 751 AND DRESDEN DRIVE			NON - DOT LET (LAP)	4/30/2018	JENNIFER A. EVANS		
W-5705M	I-40 WESTBOUND AT NC 147 SAFETY IMPROVEMENTS (MP: 9.359 - 9.359)			On Call Contract (OCC)	5/3/2018	MICHAEL KNEIS	\$80,000	
W-5705N	I-85 AT CLUB BOULEVARD, GLEN SCHOOL ROAD, RED MILL ROAD, REDWOOD ROAD INTERCHANGE RAMPS, SAFETY IMPROVEMENTS (MP: 5.474- 12.304)			On Call Contract (OCC)	5/3/2018	ROGER KLUCKMAN	\$322,000	Planning and design 50% complete.
15005.1032011				Division POC Let (DPOC)	5/23/2018	Lisa Gilchrist		
C-5605E	CITY OF DURHAM BICYCLE LANE STRIPING: 8 MILE OF BIKE LANES.		11/1/2017	NON - DOT LET (LAP)	6/1/2018	JENNIFER A. EVANS	\$504,000	
EB-4707A	SR 1838/ SR 2220 FROM US 15/501 IN ORANGE COUNTY TO SR 1113(POPE ROAD) IN DURHAM COUNTY BICYCLE, PEDESTRIAN AND TRANSIT IMPROVEMENTS	8/20/2015	8/20/2015	Division POC Let (DPOC)	6/21/2018	MICHAEL KNEIS	\$2,844,000	
U-5745	NC 751 (HOPE VALLEY ROAD) AT SR 1183 (UNIVERSITY DRIVE) INTERSECTION IN DURHAM. CONSTRUCT ROUNDABOUT.	8/21/2017	7/6/2017	Division POC Let (DPOC)	6/27/2018	ROGER KLUCKMAN	\$1,300,000	R/W acquisition in progress
W-5705K	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			Division POC Let (DPOC)	6/28/2018	MICHAEL KNEIS	\$65,000	
EB-5514	NC 751 / SR 1183 (UNIVERSITY DRIVE) / SR 2220 (CHAPEL HILL ROAD) / NON-SYSTEM (UNIVERSITY DRIVE) FROM SR 1116 (GARRETT ROAD) TO SR 1158 (CORNWALLIS ROAD)IN DURHAM. ADD BICYCLE LANES AND PEDESTRIAN IMPROVEMENTS.			NON - DOT LET (LAP)	7/5/2018	JENNIFER A. EVANS	\$1,025,000	
C-5183B	SR 1945 (S ALSTON AVENUE) FROM SR 1171 (RIDDLE ROAD) TO CAPPS STREET. CONSTRUCT SIDEWALKS IN DURHAM	9/30/2017	9/30/2017	NON - DOT LET (LAP)	9/28/2018	JENNIFER A. EVANS	\$706,000	
17BP.5.C.02	Pipe Replacement on University Drive			Division POC Let (DPOC)	12/7/2018	Lisa Gilchrist	\$300,000	City request to add sidewalk and curb and gutter
W-5601EM	SR 1118 (FAYETTEVILLE ROAD) AT PILOT STREET AND CECIL STREET. SAFETY IMPROVEMENTS.			Division POC Let (DPOC)	12/12/2018	MICHAEL KNEIS	\$14,000	
44932.3.1				On Call Contract (OCC)	12/28/2018	Roger Kluckman		
C-5605I	DURHAM NEIGHBORHOOD BIKE ROUTE:~7 MILES OF SIGNED AND MARKED NEIGHBORHOOD BIKE ROUTES IN CENTRAL DURHAM.		8/30/2018	NON - DOT LET (LAP)	3/29/2019	JENNIFER A. EVANS	\$540,883	
U-5968	CITY OF DURHAM UPGRADE ITS / SIGNAL SYSTEM			Raleigh Letting (LET)	4/16/2019	SHERRY C. YOW	\$21,865,000	
U-4726HO	CARPENTER - FLETCHER ROAD BIKE - PED; CONSTRUCT BIKE LANES / SIDEWALKS (CITY MAINTAINED) FROM WOODCROFT PARKWAY (CITY MAINTAINED) TO ALSTON AVENUE (SR 1945).		6/30/2018	NON - DOT LET (LAP)	6/30/2019	JENNIFER A. EVANS		

Project ID	Description	<u>R/W Plans</u> Complete	<u>R/W Acqu</u> <u>Begins</u>	Let Type	Let Date	Project Manager	Con Est	<u>Comments</u>
C-5605H	DOWNTOWN DURHAM WAYFINDING PROGRAM SIGNS/KIOSKS TO FACILITATE NAVIGATION AND PARKING.	9/30/2018	9/30/2018	NON - DOT LET (LAP)	7/1/2019	JENNIFER A. EVANS	\$605,000	
47451.3.1	NC 98 (Holloway Street) - Traffic Signal at Adams Street and channelization at S. Woodcrest Street			On Call Contract (OCC)	7/15/2019	Roger Kluckman	\$144,000	Planning and design in progress.
EB-5703	DURHAM - LASALLE STREET FROM KANGAROO DRIVE TO SPRUNT AVENUE IN DURHAM. CONSTRUCT SIDEWALKS ON BOTH SIDES FROM KANGAROODRIVE TO US 70 BUSINESS (HILLSBOROUGH ROAD) AND ON ONE SIDEFROM HILLSBOROUGH ROAD TO SPRUNT AVENUE.			NON - DOT LET (LAP)	9/29/2019	JENNIFER A. EVANS	\$578,000	
EB-5704	DURHAM - RAYNOR STREET FROM NORTH MIAMI BOULEVARD TO NORTH HARDEE STREET			NON - DOT LET (LAP)	9/29/2019	JENNIFER A. EVANS	\$250,000	
EB-5708	NC 54 FROM NC 55 TO RESEARCH TRIANGLE PARK WESTERN LIMIT INDURHAM CONSTRUCT SECTIONS OF SIDEWALK ON SOUTH SIDE			NON - DOT LET (LAP)	9/29/2019	JENNIFER A. EVANS	\$275,000	
EB-5715	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			NON - DOT LET (LAP)	9/29/2019	JENNIFER A. EVANS	\$1,269,000	
17BP.5.R.97				Division POC Let (DPOC)	10/15/2019	Lisa Gilchrist		
U-4726HN	CONSTRUCT BIKE LANES/SIDEWALKS IN DURHAM - HILLANDALE ROAD	10/30/2018	10/30/2018	NON - DOT LET (LAP)	1/30/2020	JENNIFER A. EVANS		
C-4928	SR 1317 (MORREENE ROAD) FROM NEAL ROAD TO SR 1320 (ERWIN ROAD) IN DURHAM. CONSTRUCT BIKE LANES AND SIDEWALKS.	11/1/2018	11/1/2018	NON - DOT LET (LAP)	2/28/2020	JENNIFER A. EVANS	\$5,783,000	
U-5717	US 15/US 501 @ SR 1116 (GARRETT ROAD) IN DURHAM CONVERT AT-GRADE INTERSECTION TO INTERCHANGE	4/21/2019	4/21/2019	Division Design Raleigh Let (DDRL)	4/21/2020	BENJAMIN J. UPSHAW	\$26,300,000	Addressing public comments and selecting preferred alternative.
17BP.5.R.83				Division POC Let (DPOC)	4/22/2020	Lisa Gilchrist		
U-5516	AT US 501 (ROXBORO ROAD) TO SR 1448 (LATTA ROAD) / SR 1639 (INFINITY ROAD) INTERSECTION IN DURHAM. INTERSECTION IMPROVEMENTS.	5/17/2019	5/17/2019	Division Design Raleigh Let (DDRL)	5/20/2020	BENJAMIN J. UPSHAW	\$5,500,000	Developing alternatives in response to public comments.
I-5707	I-40 - FROM NC 55 (ALSTON AVENUE) TO NC 147 (DURHAM FREEWAY/TRIANGLE EXPRESSWAY) IN DURHAM	6/18/2019	6/18/2019	Raleigh Letting (LET)	6/16/2020	TATIA L. WHITE	\$3,550,000	
P-5717	NORFOLK SOUTHER H LINE CROSSING 734742W AT SR 1121 (CORNWALLIS ROAD) IN DURHAM. CONSTRUCT GRADE SEPARATION.	6/28/2019	6/30/2019	Raleigh Letting (LET)	6/23/2020	KUMAR TRIVEDI	\$10,000,000	
U-4724	DURHAM - CORNWALLIS RD (SR 1158) FROM SR 2295 (SOUTH ROXBORO STREET) TO SR 1127 (CHAPEL HILL ROAD) IN DURHAM. BIKE AND PEDESTRIAN FEATURES.			NON - DOT LET (LAP)	6/30/2020	JENNIFER A. EVANS	\$4,978,000	
EB-5904	DUKE BELT LINE TRAIL - PETTIGREW STREET TO AVONDALE STREET IN DURHAM, CONSTRUCT A MULTI-USE TRAIL ON FORMER RAIL CORRIDOR	3/30/2018	3/30/2018	NON - DOT LET (LAP)	9/1/2020	JENNIFER A. EVANS	\$3,750,000	

Project ID	Description	R/W Plans Complete	<u>R/W Acqu</u> <u>Begins</u>	Let Type	Let Date	Project Manager	Con Est	<u>Comments</u>
EB-5837	THIRD FORK CREEK TRAIL FROM SOUTHERN BOUNDARIES PARK TO AMERICAN TOBACCO TRAIL IN DURHAM. CONSTRUCT SHARED USE PATH ANDSIDEWALKS, AND INSTALL BEACON AT SR 1158 (CORNWALLIS RD.) CROSSING.	6/1/2020	6/30/2020	NON - DOT LET (LAP)	6/30/2021	JENNIFER A. EVANS	\$2,546,000	
U-5823	WOODCROFT PARKWAY EXTENSION. FROM SR 1116 (GARRETT ROAD) TONC 751 (HOPE VALLEY ROAD) IN DURHAM. CONSTRUCT ROADWAY ON NEW ALIGNMENT.	1/27/2020	1/27/2020	/2020 NON - DOT LET (LAP) 8/30/2021 JENNIFER A. EVANS		\$1,798,000		
EB-5720	BRYANT BRIDGE NORTH/GOOSE CREEK WEST TRAIL, NC 55 TO DREW-GRANBY PARK IN DURHAM. CONSTRUCT SHARED- USE PAHT AND CONNECTING SIDEWALKS.	9/30/2020	9/30/2020	NON - DOT LET (LAP)	9/30/2021	JENNIFER A. EVANS	\$4,432,000	
U-5934	NC 147 FROM I-40 TO FUTURE I-885(EAST END CONNECTOR)IN DURHAM ADD LANES AND REHABILITATE PAVEMENT		2/15/2022	Design Build Let (DBL)	2/15/2022	TATIA L. WHITE	\$177,100,000	
U-5720A	US 70 (MIAMI BLVD) FROM LYNN ROAD TO SR 1959 (SOUTH MIAMI BOULEVARD/SR 1811 (SHERRON ROAD)		3/15/2022	Design Build Let (DBL)	3/15/2022	TATIA L. WHITE	\$57,000,000	
U-5720B	US 70 (MIAMI BLVD) AT SR 1959 (SOUTH MIAMI BOULEVARD)/SR 1811 (SHERRON ROAD)INTERSECTION		3/15/2022	Design Build Let (DBL)	3/15/2022	TATIA L. WHITE	\$25,300,000	
U-5720C	US 70 (MIAMI BLVD) FROM SR 1959 (SOUTH MIAMI BLVD)/SR 1811 (SHERRON ROAD) TO SR 2095 (PAGE ROAD EXTENSIONS). UPGRADE TOCONTROLLED-ACCESS FACILITY AND CONVERT AT-GRADE INTERSECTION TO INTERCHANGE.		3/15/2022	Design Build Let (DBL)	3/15/2022	TATIA L. WHITE	\$110,800,000	
EB-5834	NC 157 / SR 1322 (GUESS RD.) FROM HILLCREST DRIVETO SR 1407(WEST CARVER STREET) IN DURHAM. CONSTRUCT SIDEWALKS ON BOTHSIDES.		6/30/2021	NON - DOT LET (LAP)	9/20/2022	JENNIFER A. EVANS	\$589,000	
U-6021	SR 1118 (FAYETTEVILLE ROAD), FROM WOODCROFT PARKWAY TO BARBEE ROAD IN DURHAM. WIDEN TO 4-LANE DIVIDED FACILITY WITH BICYCLE / PEDESTRIAN ACCOMMODATIONS.	2/19/2021	2/19/2021	Division Design Raleigh Let (DDRL)	2/21/2023	BENJAMIN J. UPSHAW	\$13,770,000	Kimley Horn selected to perform planning work.
U-5937	NC 147 DURHAM FREEWAY, DURHAM COUNTY FROM SR 1445(SOUTH DUKE STREET)TO BRIGGS AVENUE IN DURHAM. CONSTRUCT AULILIARY LANES AND OPERATIONAL IMPROVEMENTS.	3/19/2021	3/19/2021	Raleigh Letting (LET)	3/21/2023	TATIA L. WHITE	\$47,001,000	
EB-5835	NC 55 (ALSTON AVE.) FROM SR 1171 (RIDDLE RD.) TO CECIL STREET IN DURHAM. CONSTRUCT SIDEWALK ON EAST SIDE TO FILL IN MISSING GAPS.		6/20/2022	NON - DOT LET (LAP)	9/20/2023	JENNIFER A. EVANS	\$525,000	
I-5941	I-85 FROM ORANGE COUNTY LINE TO US 15 /US 501 IN DURHAM PAVEMENT REHABILITATION	9/5/2023		Division Design Raleigh Let (DDRL)	12/19/2023	MICHAEL KNEIS	\$2,973,000	
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	9/5/2023		Division Design Raleigh Let (DDRL)	12/19/2023	MICHAEL KNEIS	\$8,357,000	
B-5674	REPLACE BRIDGE 80 OVER SR 1308 IN DURHAM ON US 15-501 NORTHBOUND	1/20/2023	1/20/2023	Raleigh Letting (LET)	1/16/2024	KEVIN FISCHER	\$2,209,000	
U-5774B	NC 54 FROM US 15/US 501 IN ORANGE COUNTY TO SR 1110 (BARBEECHAPEL ROAD) IN DURHAM COUNTY	6/16/2022	6/16/2022	Raleigh Letting (LET)	6/18/2024	TATIA L. WHITE	\$30,900,000	
U-5774C	NC 54 FROM SR 1110 (BARBEE CHAPEL ROAD) TO I-40	6/16/2022	6/16/2022	Raleigh Letting (LET)	6/18/2024	TATIA L. WHITE	\$23,700,000	
U-5774H	NC 54 FROM NC 751 TO SR 1118 (FAYETTEVILLE ROAD)	7/15/2022	7/15/2022	Raleigh Letting (LET)	10/15/2024	TATIA L. WHITE	\$13,200,000	

Project ID	Description	<u>R/W Plans</u> Complete	<u>R/W Acqu</u> <u>Begins</u>	Let Type	Let Date	Project Manager	<u>Con Est</u>	<u>Comments</u>
I-5982	I-540 DURHAM & WAKE COUNTY FROM I-40 IN DURHAM TO I- 495/US 64/US 264 IN KNIGHTDALE. CONSTRUCT MANAGED SHOULDERS.		1/21/2025	Design Build Let (DBL)	1/21/2025	RODGER ROCHELLE	\$109,970,000	
P-5706	EAST DURHAM SAFETY AND TRACK IMPROVEMENTS. CONSTRUCT EXTENSION, TO INCLUDE COMBINATION GRADE SEPARATIONS AND CLOSURESAT ELLIS ROAD SOUTH END CROSSING (734737A), GLOVER ROAD CROSSING (734735L), AND WRENN ROAD CROSSING (734736T) IN DURHAM.	2/1/2023	2/1/2023	NON - DOT LET (Rail)	1/31/2025	MATTHEW SIMMONS	\$42,400,000	
P-5716	NORFOLK SOUTHERN H LINE CROSSING 735236Y AT SR 1171 (ELLIS ROAD) IN DURHAM. CONSTRUCT GRADE SEPARATION.	6/30/2023	6/30/2023	Raleigh Letting (LET)	6/23/2026	MATTHEW SIMMONS	\$3,700,000	
P-5728	NS H LINE DURHAM COUNTY CONSTRUCT GRADE SEPARATION AT NEAL ROAD. COST INFORMATION DOES NOT EXIST AT THIS TIME AND A PLACEHOLDER VALUE OF \$1 WAS USED IN THE COST ESTIMATING SCREEN.	12/20/2024	1/21/2025	Raleigh Letting (LET)	12/15/2026	MATTHEW SIMMONS	\$4,000,000	
U-6067	US 15/US 501 DURHAM COUNTY FROM I-40 TO US 15/US 501 BUSINESS IN DURHAM UPGRADE CORRIDOR TO EXPRESSWAY.	2/21/2025	2/21/2025	Raleigh Letting (LET)	2/17/2027	TATIA L. WHITE	\$140,300,000	

NCDOT DIV 7 PROJECTS LOCATED IN DCHCMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
B-4962 40174.1.1 40174.2.1 40174.3.1	Replace Bridge #46 over Eno river on US 70 Bypass	2/19/2019	FY 2021	\$5,012,000	Planning and Design activities underway	Kevin Fischer
I-3306AC 34178.1.6 34178.2.5 434178.3.9	Interchange improvements at I-40 and NC86 in Chapel Hill	3/21/2023	FY 2025	\$16,500,000	Planning and Design activities underway	Laura Sutton
P-5701 46395.1.1 46395.3.1	Construct Platform, Passenger Rail Station Building at Milepost 41.7 Norfolk Southern H-line in Hillsborough	6/30/2021	FY2022	\$7,200,000	PE funding scheduled 7/1/2020	Matthew Simmons
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 .	5/31/2017	Jan. 2018	\$40,500 R/W \$43,200 CON	Utility relocations complete , R/W acquisition pending	Dawn McPherson
SS-4907BW 47356.1.1 47356.3.1	Intersection improvements at SR 1114 (Buckhorn Road) and SR 1146 (West Ten Road) east of Mebane. Convert two way stop to ALL WAY STOP. Construct radius improvements to accommodate turning traffic	9/1/2017	Dec. 2017	\$3000 PE \$55,000 CON	Installation 4-way stop complete, radius improvements completed by resurfacing -Spring 2018, RTE final inspection pending	Dawn McPherson
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.	4/19/2018	Mar. 2019	\$775,000	Planning and design activities underway, R/W acquisition - 25% complete	Chris Smitherman
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	\$775,000	Planning and design activities underway	Chris Smitherman
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	FY 2019	\$775,000	Planning and design activities underway, Utility coordination underway, R/W acquisition - 40% complete	Chris Smitherman

NCDOT DIV 7 PROJECTS LOCATED IN DCHCMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
U-6071 47496.1.1 47496.2.1 47496.3.1	Intersection improvements at NC 54 and SR 1007 (Old Fayetteville Rd) in Carrboro	1/15/2026	FY 2027	\$1,216,000	Planning and design activities underway	Chris Smitherman
W-5707A 44853.1.1	Curb ramp improvements 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	Mar. 2018	Aug. 2018	\$80,000	Planning and design activities underway. Signal pedestrian improvements complete. Project let, Bid exceeded engineer's estimate, Re-let with upcoming TAP contract	Chris Smitherman
W-5707C 44853.1.3 44853.3.3 47490	Revise pavement markings and overhead lane use signs for removal of inside lane drop configuration on I-40 Westbound in vicinity of US 15-501 interchange. Resurfacing I-40 WB by use of contingency funds	Mar. 2018	Aug. 2018	\$395,000	Planning and design activities underway, re-let due to bids exceeded engineers estimate, new let date pending - tentative Mar. 2018	Chris Smitherman
47798	Increase length of existing turn lane / slip ramp and improve existing radius in the SE quadrant of US 70 Business/ NC 86 at US 70 Bypass in Hillsborough	Dec. 2018	Jun. 2019	\$189,000	Funding approved Feb. 2018	Chad Reimakoski



Active Projects Under Construction - Orange Co.

<u>Contract</u> Number	<u>TIP</u> Number	Location Description	Contractor Name	Resident Engineer	<u>Contract Bid</u> Amount	<u>Availability</u> <u>Date</u>	<u>Work Start</u> Date	Completion Date	<u>Progress</u> Schedule	Completion Percent
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	93.20	86.93
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	73.90	93.56
C203946	B-5348	REPLACE BRIDGE #85 OVER PHIL'S CRK ON SR-1005 (OLD G'BORO RD)	DANE CONSTRUCTION INC	Kirkman, PE, Christopher D	\$984,596.98	02/01/2018	02/01/2018	12/27/2018		
C204025	I-5954	PAVEMENT REHAB ON I-40/I-85 FROM EAST OF NC-54 IN GRAHAM IN ALAMANCE COUNTY TO WEST OF SR-1114 (BUCKHORN RD) IN ORANGE COUNTY.	APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION	Kirkman, PE, Christopher D	\$9,699,053.68					
DG00302	P-4405K	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	100.00	74.62
DG00321		GRADE IMPROVEMENTS ON SR 1004 (EFLAND-CEDAR GROVE RD)	CAROLINA SUNROCK LLC	Kirkman, PE, Christopher D	\$1,711,133.05	04/02/2018		04/02/2019		
DG00323	C-5600F	INSTALLATION OF FIBER-OPTIC COMMUNICATION NETWORK AND RELATED WORK FOR CENTER TO CENTER CONNECTION	ALS OF NORTH CAROLINA LLC	Kirkman, PE, Christopher D	\$885,605.60	11/14/2016	02/27/2017	09/09/2017	100.00	99.87
DG00332	W-5601 IF	GUARDRAIL END TERMINAL UPGRADES ON I-85	NICKELSTON INDUSTRIES	Kirkman, PE, Christopher D	\$494,243.00	12/05/2016	05/01/2017	09/05/2017		
DG00341		REPLACE BRIDGE NO. 18 ON SR 1421 (LIB ROAD) EAST BACK CREEK TRIBUTARY WITH CULVERT	SMITH-ROWE, LLC	Kirkman, PE, Christopher D	\$310,294.00	03/15/2017	04/17/2017	01/15/2018	100.00	98.60
DG00345	U-3306(L)	LANDSCAPING ON SR 1733 (WEAVER DAIRY ROAD)	MOTS LANDSCAPING & LAWNS LLC	Kirkman, PE, Christopher D	\$73,101.80	01/23/2017	04/05/2017	06/15/2018	92.00	89.70
DG00346		REPLACE BRIDGE #209 OVER FRANK CREEK ON SR 1366 (ATKINS ROAD)	APPLE TUCK & ASSOCIATES INC	Kirkman, PE, Christopher D	\$363,834.19	05/01/2017	05/24/2017	02/07/2018	100.00	96.39
DG00371		RESURFACE 9 SECONDARY ROADS IN ORANGE CO.	CAROLINA SUNROCK LLC	Kirkman, PE, Christopher D	\$1,688,750.33	07/05/2017	08/30/2017	11/01/2018	13.30	21.76
DG00372	R-5787B	ADA CURB RAMPS AT INTERSECTIONS IN BURLINGTON, GIBSONVILLE, GRAHAM, MEBANE, CARRBORO & CHAPEL HILL	ATLANTIC CONTRACTING COMPANY, INC.	Kirkman, PE, Christopher D	\$128,910.00	07/24/2017		03/28/2019		
DG00383		REPLACE BRIDGE # 84 OVER COLLINS CRK ON SR 1005 (OLD GREENSBORO RD)	DANE CONSTRUCTION INC	Kirkman, PE, Christopher D	\$1,290,279.37	07/24/2017	07/24/2017	05/15/2018	99.00	99.92
DG00391		REPLACE BRIDGE # 104 OVER STONEY CRK ON SR 1712 (UNIV. STATION RD)	R.E. BURNS & SONS CO., INC.	Kirkman, PE, Christopher D	\$561,562.02					
DG00393		RESURFACING ON SR 1101, SR 1118, SR 1119, SR 1124, SR 1125, SR 1127,SR 1128 SR 1130, SR 1134, SR 1135, ETC.	RILEY PAVING INC	Kirkman, PE, Christopher D	\$1,084,520.40	04/02/2018		10/12/2018		
DG00395		REPLACE BRIDGE #189 ON SR 1114 (BUCKHORN ROAD) OVER CANE CREEK	ST WOOTEN CORPORATION	Kirkman, PE, Christopher D	\$723,924.13	04/01/2018		01/01/2019		
DG00403		INSTALL PED. FENCE ON BRIDGE #262, SR 1006 (ORANGE GROVE ROAD) OVER I-40	BAXLEY CORPORATION	Kirkman, PE, Christopher D	\$94,400.00	01/08/2018		04/01/2018	Page	10 of 11

	Chatham County - DCHC MPO - Upcoming Projects - Division 8April 2018							
Contract # or	Contract # or Route Description Let Date Completion Contractor Project Admin. Project Cost Notes							
WBS # or TIP #	Noute	Description	Let Date	Date	contractor	Project Admin.	Floject Cost	Notes
R-5825	NC 751 at SR 1731	Upgrade and Realign Intersection	1/22/2019	TBD	TBD	Greg Davis (910)	TBD	Right of Way in progress
	(O'Kelly Chapel Road)					944-2344		