DCHC
Metropolitan Planning Organization
Planning Tomorrow Today
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Technical Committee

Meeting Agenda

Wednesday, February 27, 2019

9:00 AM

Committee Room 2nd Floor

Durham City Hall 101 City Hall Plaza

Durham, NC 27701

1. Roll Call

2. Adjustments to the Agenda

3. Public Comment

CONSENT AGENDA

4. Approval of the January 23, 2019 TC Meeting Minutes 19-118

A copy of the January 23, 2019 minutes is enclosed.

TC Action: Approve the minutes of the January 23, 2019 TC meeting.

Attachments: 2019-02-27 (19-118) 01.23.19 TC Meeting_LPA2.pdf

5. Durham and Orange County Q2 Transit Tax Update 19-121

Jennifer Keep, GoTriangle

A memo providing an update on the Durham and Orange County Transit Tax for the second quarter of fiscal year 2019 is attached.

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

ACTION ITEMS

6. Draft FY2020 Unified Planning Work Program (UPWP) (5 minutes) 18-213

Meg Scully, LPA Staff

The DCHC MPO is required by federal regulations to prepare an annual Unified Planning Work Program (UPWP) that details and guides the urban area transportation planning activities. Funding for the UPWP is provided by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). The UPWP must identify MPO planning tasks to be performed with the use of federal transportation funds. Attached is the draft FY2020 UPWP. At the January 16, 2019 meeting, the MPO Board reviewed the draft FY2020 UPWP and released the document for public comment. Since the public release, additional PL funding has been made available by NCDOT to the MPO for FY20 and programmed in the current draft FY20 UPWP.

TC Action: Recommended the Board hold a public hearing and approve the FY2020 UPWP.

Board Action: Hold a public hearing and approve the FY2020 UPWP.

Attachments: 2019-02-27 (18-213) FY20 UPWP Draft.pdf

2019-02-27 (18-213) 2020 UPWP Presentation Board 22719.pdf

7. Resolution on I-3306AC, I-40/NC 86 Interchange Improvements (10 minutes) 19-122

Aaron Cain, LPA Staff

NCDOT is in the early stages of design for improvements to the I-40/NC 86 interchange, part of STIP project I-3306A, a widening of I-40 in Orange County to six lanes. At the January 16, 2019 DCHC MPO Board meeting, two members of the public spoke about concerns regarding the proposed improvements in one of the conceptual designs for the interchange, and the MPO Board directed staff to draft a resolution based on staff comments of the proposals. That draft resolution is attached, along with the following:

- DCHC MPO staff comments on the proposed designs;
- A resolution adopted by the Town of Chapel Hill on January 30, 2019;
- Interchange design Option 4A from NCDOT;
- Interchange design Option 4B from NCDOT.

TC Action: Recommend that the MPO Board adopt the resolution on the design of the I-40/NC 86 interchange.

Attachments:
2019-02-27 (19-122) I-3306A Chapel Hill Resolution.pdf
2019-02-27 (19-122) I-3306A DCHC Resolution.pdf
2019-02-27 (19-122) I-3306A DCHC MPO Staff Comments.pdf
2019-02-27 (19-122) I-3306A Map Option 4A.pdf
2019-02-27 (19-122) I-3306A Map Option 4B.pdf

8. Chapel Hill North-South Bus Rapid Transit Update (5 minutes) 19-120

Matt Cecil, Chapel Hill Transit

In January 2019, Chapel Hill Town Council adopted an update to the LPA for the North South Bus Rapid Transit Project, consistent with guidance from FTA, which eliminated the center running option and the extension to Durham Technical Community College, uses mixed traffic on Eubanks Road, and either construction of or a dedicated curb running BRT guideway between Eubanks Road and North Street.

The current cost estimates for the North-South Bus Rapid Transit project are $123.2M - $134.7 (YOE). The cost estimates will be better refined and updated as the project moves through Environmental and 30% Design over the next 12-15 months (FTA Project Development) and we will also determine if there is a reasonable plan for scaling the project.

The current financial plan assumes 80% ($98.5M - $100M) of project funding to come through federal sources (e.g. FTA Small Starts) and 20% ($24.6M - $34.1M) from non-federal sources. The FTA initially indicated that the project would need to demonstrate a commitment of at least half the non-federal share ($12.3M - $17M) by November 2019 to stay in a project Development and to be considered for moving into Project Design. At this time $6.1M of non-federal funds are committed to the project through Orange County Transit Plan, leaving a gap of $6.3 M - $10.9M. There does not appear to be additional capacity within the Orange County Transit Plan over the next several years.

After the project was removed from the most recent STI process by the DCHC-MPO, to help ensure maximum scoring and funding for the DOLRT project, a working group of MPO, Town of Chapel Hill/Chapel Hill Transit and GoTriangle staff was developed to explore non-federal funding sources. Unfortunately, non-federal funding options outside of STI are very limited - most MPO or State programs are funded with federal resources and are not able to be used as non-federal match. While the working group believes that a share of the non-federal funding could potentially come from naming rights and fundraising and local road improvements (e.g. Eubanks Road redevelopment), these options need to be explored further and are not likely viable by November 2019.

Based on the findings of the working group and the current constraints of the Orange County Transit Plan, staff is recommending that we explore with FTA the possibility of extending the November 2019 deadline in order for the project to be considered in the next STI (2019) process (note that this is a competitive process and funding is not guaranteed), while continuing to work an other non-federal funding options.

TC Action: This item is for informational purposes only, no action is necessary.

Attachments: 2019-02-27 (19-120) Town of Chapel Hill Resolution on N-S BRT.pdf

2019-02-27 (19-120) N-S BRT LPA Map.pdf

9. FY2020-2029 Draft STIP Comments (10 minutes) 19-115

Aaron Cain, LPA Staff

On January 10, 2019, NCDOT released the initial draft FY2020-2029 State Transportation Improvement Program (STIP). MPO Staff has reviewed the Draft STIP and has drafted a set of comments to send to NCDOT prior to the one-on-one meeting scheduled for March 13, 2019. MPO staff requests input on the comments so that NCDOT can be prepared to address them during the one-on-one meeting.

TC Action: Review the draft STIP comments and provide input.

Attachments: 2019-02-27 (19-115) Draft STIP Comments 2-18-19.pdf

10. SPOT 6 Initial Submittal List (15 minutes) 19-123

Aaron Cain, LPA Staff

MPO staff has developed an initial list of projects for submittal for SPOT 6, the process that will develop the FY2022-2031 State Transportation Improvement Program (STIP). Included in the attached list are the following:

- Projects that were submitted in SPOT 5 but did not score well enough to be included in the FY2020-2029 STIP;
- Projects identified in the DCHC MPO 2045 Metropolitan Transportation Plan (MTP) in the 2025 horizon year but have yet to be programmed in the STIP; and
- Operational improvement projects endorsed by DCHC MPO member jurisdictions and/or MPO staff.

It is likely that DCHC MPO will again have 23 submittal slots per mode. While there are enough submittal slots for all identified needs for transit and rail, there are not for bike/ped and highway. In the past the Divisions have been willing to submit bike/ped projects on the MPO's behalf; should be available again the MPO will likely be able to submit all projects on the initial list. For highway, staff is recommending that 18 projects left over from SPOT 5 be submitted for SPOT 6. That leaves only five available slots for new highway projects.

Staff recommends convening a subcommittee to further discuss and refine the initial list of submittal projects. That subcommittee will meet on March 13, 2019, at 10:30 am.

TC Action: Schedule a subcommittee to discuss the initial project submittal list for SPOT 6.

11. Amendment #10 to the FY2018-2027 TIP (5 minutes) 18-216

Aaron Cain, LPA Staff

Amendment #10 includes two requests from the City of Durham:

- Allocate an additional approximately $2.2M of STBGDA funds to C-4928, Morreene Road Bike/Ped, primarily to address ROW costs; and
- Allocate an additional approximately $1.5M of STBGDA funds to U-4726HN, Hillandale Road Bike/Ped, to address increases in ROW costs.

The City of Durham's local discretionary STBGDA funds is the source for these allocations.

Because of the amount of funding, per the DCHC MPO Public Involvement Policy, this amendment has been released for a 21-day public comment period. To date, no comments have been received.

Also included in the amendment are the following projects:

- EB-5704, Raynor Street Sidewalks
- EB-5708, NC 54 Sidewalks
- TA-6727, GoTriangle Electric Bus Replacement
- TD-5284, UNC Hospitals Transfer Station
- Several projects from NCDOT.

The summary sheet, full report, and resolution are attached.

TC Action: Recommend approval of Amendment #10 to the FY2018-2027 TIP.

Attachments: 2019-02-27 (18-216) TIP Amendment #10 Summary Sheet.pdf
2019-02-27 (18-216) TIP Amendment #10 Full Report.pdf
2019-02-27 (18-216) TIP Amendment #10 Resolution.pdf

12. Amendment #11 to the FY2018-2027 TIP (5 minutes) 19-124

Aaron Cain, LPA Staff

Amendment #11 to the FY2018-2027 TIP consists of two projects in Durham that are required to be released for a 21-day public comment period due to the addition of more than $1M in each project. They are:

- EB-5703, LaSalle Street Sidewalks
- EB-5715, Duke Street Sidewalks

The summary sheet, full report, and resolution are attached.

TC Action: Recommend that the Board release TIP Amendment #11 for public comment.

Attachments: 2019-02-27 (19-124) TIP Amendment #11 Summary Sheet.pdf
2019-02-27 (19-124) TIP Amendment #11 Full Report.pdf
2019-02-27 (19-124) TIP Amendment #11 Resolution.pdf

REPORTS FROM STAFF:

13. Report from Staff 19-107

Felix Nwoko, Andy Henry, LPA Staff

TC Action: Receive report from Staff.

Attachments: 2019-02-27 (19-107) LPA staff report.pdf

14. Report from the Chair 19-108

Nishith Trivedi, TC Chair

TC Action: Receive report from the TC Chair.

15. NCDOT Reports 19-109

Joey Hopkins (David Keilson/Richard Hancock), Division 5 - NCDOT
Mike Mills (Pat Wilson/Ed Lewis), Division 7 - NCDOT
Brandon Jones (Bryan Kluchar, Jen Britt), Division 8 - NCDOT
Julie Bogle, Transportation Planning Division - NCDOT
John Grant, Traffic Operations - NCDOT

TC Action: Receive reports from NCDOT.

Attachments: 2019-02-27 (19-109) NCDOT Progress Report.pdf

INFORMATIONAL ITEMS:

Adjourn

Next meeting: March 27, 9 a.m., Committee Room

Dates of Upcoming Transportation-Related Meetings: None

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

TECHNICAL COMMITTEE

January 23, 2018

MINUTES OF MEETING

The Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Technical Committee met on January 23, 2018, at 9:00 a.m. in the City Council Committee Room, located on the second floor of Durham City Hall. The following people were in attendance:

Ellen Beckmann (Chair)	City of Durham Transportation
Nishith Trivedi (Vice Chair)	Orange County Planning
Kumar Neppalli (Member)	Chapel Hill Engineering
Tasha Johnson (Member)	City of Durham Public Works
Christina Moon (Member)	Carrboro Planning
Zach Hallock (Member)	Carrboro Planning
Margaret Hauth (Member)	Hillsboro Planning
Linda Thomas Wallace (Member)	Durham County Cooperative Extension
Evan Tenenbaum (Member)	Durham County Planning
Scott Whiteman (Member)	Durham County Planning
Tom Altieri (Member)	Orange County Planning
Chance Mullis (Member)	Chatham County Planning
Bill Judge (Member)	City of Durham Transportation
John Hodges-Copple (Member)	TJCOG
Julie Bogle (Member)	NCDOT TPD
Corey Liles (Alternate)	Chapel Hill Planning
David Keilson (Alternate)	NCDOT, Division 5
Ed Lewis (Alternate)	NCDOT, Division 7
Bryan Kluchar (Alternate)	NCDOT, Division 8
Felix Nwoko	DCHC MPO
Andy Henry	DCHC MPO
Meg Scully	DCHC MPO
Aaron Cain	DCHC MPO
Brian Rhodes	DCHC MPO
Robert Jahn	DCHC MPO
Bryan Byfield	RFA

Quorum Count: 19 of 31 Voting Members

Chair Ellen Beckmann called the meeting to order at 9:00 a.m. A roll call was performed. The Voting Members and Alternate Voting Members of the DCHC MPO Technical Committee (TC) were

identified and are indicated above. Chair Ellen Beckmann reminded everyone to sign-in using the sign-in sheet. Chair Ellen Beckmann announced that she was unable to stay for the entirety of the TC Meeting, and Vice Chair Nish Trivedi would conduct the meeting after her departure.

PRELIMINARIES:

2. Adjustments to the Agenda

There were no adjustments to the agenda.

3. Public Comments

There were no comments from the public.

CONSENT AGENDA:

4. Approval of December 19, 2018, Meeting Minutes

Tom Altieri made a motion to approve the December 19, 2018, Meeting Minutes. Zach Hallock seconded the motion. The motion passed unanimously.

ACTION ITEMS:

5. Draft FY2020 Unified Planning Work Program (UPWP)
Meg Scully, LPA Staff

Meg Scully stated that the DCHC MPO is required by federal regulations to prepare an annual Unified Planning Work Program (UPWP) that details and guides the urban area transportation planning activities. Meg Scully continued that funding for the UPWP is provided by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). Meg Scully discussed that there were minor changes made to the original draft of the UPWP based on input from the TC and MPO boards. Meg Scully added that the MPO Board reviewed the draft FY2020 UPWP and released the document for public comment at its January 16, 2019 meeting. Meg Scully and Chance Mullis discussed the amount of the local match from Chatham County.

Geoff Green made a motion to recommend the MPO Board hold a public hearing and approve the FY2020 UPWP. Vice Chair Nishith Trivedi seconded the motion. The motion passed unanimously.

6. FY2020-2029 Draft STIP
Aaron Cain, LPA Staff

Aaron Cain stated that the amount of funding available at the Division Needs level for the FY2020-2029 Draft State Transportation Improvement Program (STIP) was significantly less than anticipated. Aaron Cain stated that the projects that were funded were: U-6120, NC 98 safety improvements from Junction to Lynn; U-6192, US 15/501 Synchronized Street in Chatham County; EB-5998, Fordham Blvd multiuse paths; EB-5994, NC 54 side path; TA-6719, three new ramp-equipped minivans for Chatham Transit Network; and TA-6721, two new light transit vehicles for Orange County Public Transit. Aaron Cain added that U-6120, U-6192, EB-5998, and EB-5994 are all developmental projects and will need to be rescored in the Strategic Planning Office of Transportation (SPOT) 6. Aaron Cain added that TA-6719 and TA-6721 are committed projects and will not need to be rescored in SPOT 6.

Aaron Cain stated that the North Carolina Department of Transportation (NCDOT) released the initial draft FY2020-2029 STIP on January 10, 2019. Aaron Cain added that the NC Board of Transportation is scheduled to adopt the 2020-2029 STIP in June 2019, and the Transportation Improvement Plan (TIP) is anticipated to be adopted in August 2019 by the MPO Board. Aaron Cain continued that MPO staff plans to schedule meetings with NCDOT staff.

Aaron Cain stated that the Durham-Orange Light Rail Transit (D-O LRT) project is planned to receive state transportation funding in FY24, which makes it a committed project, and runs through FY29. Aaron Cain discussed the updates for the current interstate and highway projects. Aaron Cain mentioned that there might be a scheduling conflict of widening I-85 in Orange and Durham counties. Aaron Cain also mentioned that there could be a traffic issue in Orange County if there is concurrent construction on both I-85 and I-40. Aaron Cain also stated that there are delays for the following projects: Managed Motorways; Churton Street widening; NC 147 widening from I-40 to I-885; NC 147 downtown operations; UNC Hospital Transfer Station; and sections of the NC 54 widening in Chapel Hill and Durham. Aaron Cain stated that the following projects will not be included in the next STIP: I-40 Managed Lanes; NC 54/Old Fayetteville Road

Intersection; West Ellis Road Grade Separation; Neal Road Grade Separation; and the GoTriangle Regional Transit Center.

Chair Ellen Beckmann stated the importance of policy change from the NCDOT in order to increase the amount of Bike/Ped projects that are funded and for complete streets program to be attached to all future highway projects.

7. Amendment #10 to the FY2018-2027 TIP
Aaron Cain, LPA Staff

Aaron Cain stated that Amendment #10 for the Transportation Improvement Program (TIP) includes requests from the City of Durham to allocate funding to the C-4928, Morreene Road Bike/Ped project, and the U-4726HN, Hillandale Road Bike/Ped project. Aaron Cain added that Amendment #10 also includes: a new project for GoTriangle; a schedule change for TD-5284, UNC Hospitals Transfer Station; and items from NCDOT. Scott Whiteman and Aaron Cain discussed the schedules of the TIP and the State Transportation Improvement Program (STIP).

Geoff Green made a motion to recommend approval of Amendment #10 to the FY2018-2027 TIP. Evan Tenenbaum seconded the motion. The motion passed unanimously.

8. Election of TC Officers for 2019
Aaron Cain, LPA Staff
John Hodges-Copple, TJCOG

John Hodges-Copple stated that, per the DCHC MPO TC by-laws, an election for officers shall take place at the first meeting of each calendar year. John Hodges-Copple continued that the current Chair, Ellen Beckmann, cannot continue to be the Chair in 2019 due to having served two consecutive terms. John Hodges-Copple added that the new Chair must come from a jurisdiction representing either Orange or Chatham County, and the new Vice Chair must come from a county other than that represented by the person who is elected Chair.

John Hodges-Copple made a motion that Nish Trivedi be Chair of the Technical Committee. Margaret Hauth seconded the motion. The motion passed unanimously.

John Hodges-Copple made a motion that Chair Ellen Beckmann be Vice Chair of the Technical Committee. Geoff Green seconded the motion. The motion passed unanimously.

REPORTS:

9. Reports from the LPA Staff
Felix Nwoko, Aaron Cain, LPA Staff

Aaron Cain stated that the dates and times for the upcoming MPO Board meeting in February and March are subject to change. Aaron Cain continued that the tentative schedule is for the MPO Board meeting to occur on February 27 at 3 p.m., following the TC meeting at 9 a.m. Geoff Green later added that the schedule change was made because it would allow GoTriangle to have maximum flexibility to meet deadlines for the Durham Orange Light Rail Transit project. Aaron Cain added that the March 13 MPO Board meeting will now occur at 1 p.m., and North Carolina Secretary of Transportation James H. Trogdon III will attend to discuss relevant issues concerning the DCHC MPO.

Geoff Green stated that the proposal for grade separating the D-O LRT project through downtown Durham will impact engineering plans as well as the overall cost. Geoff Green added that under state law, the project D-O LRT must have non-federal and non-state funds secured by April 30, 2019, and the D-O LRT must also have its federal funding secured by November 30, 2019. Geoff Green stated that the schedule is to apply to the Federal Transit Administration (FTA) with the final financial plan at the end of February 2019, which will allow the MPO Board to have more flexibility in making decisions.

Geoff Green stated that there will be a public meeting to present the new Pettigrew Street designs at the Durham County Administrative building on January 26 from 9-11 a.m.

10. Report from the DCHC MPO TC Chair
Ellen Beckmann, DCHC MPO TC Chair
Nishith Trivedi, DCHC MPO TC Vice Chair

Vice Chair Nishith Trivedi stated that Nathan Page was recently voted Chair of the Burlington-Graham Metropolitan Transportation Organization (BGMPO). Vice Chair Nish Trivedi continued that he has

been invited to the BGMPO TC meeting, and he would like to extend the same invitation to Nathan Page for a future DCHC TC Meeting.

11. NCDOT Reports

David Keilson, NCDOT Division 5, stated that he had no additional comment.

Ed Lewis, NCDOT Division 7, stated that there is a public meeting about the proposed widening of I-40 from I-85 to the Durham County line in Orange County on January 24, 2019, at the Passmore Center from 4 – 7 p.m.

Bryan Kluchar, NCDOT Division 8 stated that staff is currently attempting to secure funding to raise Jeremiah Road near Jordan Lake by six feet in order to correct issues due to flooding.

Julie Bogle, Transportation Planning Division, stated that the traffic forecast shape file on ArcGIS is currently online, but currently cannot be downloaded. Julie Bogle added that there is a traffic forecast library at connect.ncdot.gov.

There was no report from NCDOT Traffic Operations.

INFORMATIONAL ITEMS:

12. Recent News, Articles, and Updates

Dale McKeel stated that there will be a bicycle and pedestrian workshop for the Triangle region on March 29; a location has not yet been secured for the workshop.

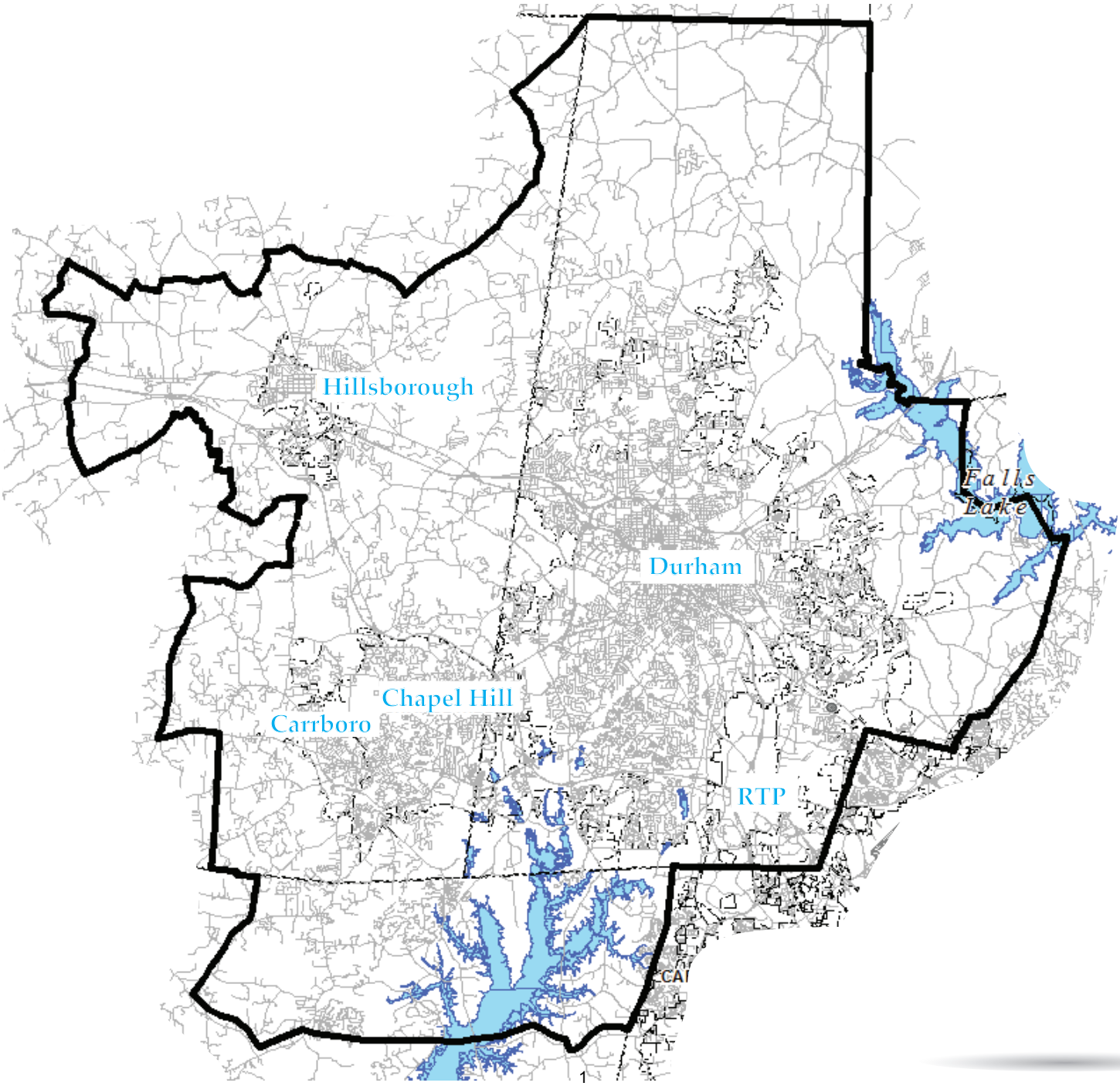
ADJOURNMENT:

There being no further business before the DCHC MPO Technical Committee, the meeting was adjourned at 9:45 a.m.

Durham Chapel-Hill Carrboro Metropolitan Planning Organization

FY2020 Unified Planning Work Program

2.27.19



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Durham-Chapel Hill-Carrboro
Metropolitan Planning Organization
(DCHC MPO)
RESOLUTION (FTA and FHWA)
Approving the FY2020 Unified Planning Work
Program of the DCHC MPO

February 27, 2019

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, a comprehensive and continuing transportation planning program must be carried out cooperatively in order to ensure that funds for transportation projects are effectively allocated to the DCHC MPO; and

Whereas, the City of Durham Department of Transportation has been designated as the recipient of Federal Transit Administration (FTA) Metropolitan Planning Program funds; and

Whereas, the City of Durham Department of Transportation has been designated as the recipient of Section 104(f) Planning and Technical Studies Planning grant funds; and

Whereas, members of the DCHC MPO Board agree that the Unified Planning Work Program will effectively advance transportation planning for FY2020.

Now therefore, be it resolved that the MPO Board hereby endorses the *FY2020 Unified Planning Work Program for the DCHC MPO Urban Area*.

I, Damon Seils, Chair of the MPO Board do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the DCHC MPO Board, duly held on the ____ day of _____, 2019.

_____
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: _____, 2019

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

RESOLUTION CONFIRMING TRANSPORTATION PLANNING PROCESS

RESOLUTION CERTIFYING THE DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION (DCHC MPO) TRANSPORTATION PLANNING PROCESS FOR FY2020

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

Whereas, the MPO Board has found the transportation planning process to be in compliance with Sections 174 and 176 (c) and (d) of the Clean Air Act (42 U.S.C. 7504, 7506 (c);

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

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

Whereas, the MPO Board has considered how the Transportation Planning Process will affect the elderly and the disabled per the provision of the Americans with Disabilities Act of 1990 (Pub. L. 101-336, 104 Stat. 327, as amended) and the U.S. DOT implementing regulations (49 CFR parts 27, 37, and 38);

Whereas, the DCHC MPO Metropolitan Transportation Improvement Program is a subset of the currently conforming Metropolitan Transportation Plan (MTP);

Whereas, the Transportation Plan has a planning horizon year of 2045, and meets all the requirements for an adequate Transportation Plan,

Now therefore, be it resolved that the DCHC Urban Area MPO Board certifies the transportation planning process for the DCHC Metropolitan Planning Organization on this the ____ day of ____, 2019.

_____

Damon Seils,
Board Chair

_____

Clerk/Secretary/Planner

Metropolitan Planning Self-Certification Process

CFR 450.334 - The State and MPO shall annually certify to FHWA and FTA that the planning process is addressing the major issues facing the area and is being conducted in accordance with all applicable requirements of:

- Section 134 of title 23 U.S.C., section 8 of the Federal Transit Act (49 U.S.C. app. 1607) and;
- Section 174 and 176 (c) and (d) of the Clean Air Act (42 U.S.C. 7504, 7506 (c) and (d);
- Title VI of the Civil Rights Act of 1964 and Title VI assurance executed by each state under 23 U.S.C. 324 and 29 U.S.C. 794;
- Section 103(b) of the Intermodal Surface Transportation Efficiency Act of 1991 (Public Law 102-240) regarding the involvement of disadvantaged business enterprises in the FHWA and the FTA funded planning projects; and
- The provisions of the Americans with Disabilities Act of 1990 (Public Law 101-336, 104 Stat. 327, as amended) and U.S. DOT regulations "Transportation for Individuals with Disabilities" (49 CFR parts 27, 37, and 38).

In addition, the following checklist should help guide the MPO as they review their processes and programs for self-certification.

1. Is the MPO properly designated by agreement between the Governor and 75% of the urbanized area, including the central city, and in accordance in procedures set forth in state and local law (if applicable)? [23 U.S.C. 134 (b); 49 U.S.C. 5303 (c); 23 CFR 450.306 (a)]. Response: Yes

2. Does the policy board include elected officials, major modes of transportation providers and appropriate state officials? [23 U.S.C. 134 (b); 49 U.S.C. 5303 (c); 23 CF R 450.306 (i)] Response: Yes, the policy board includes elected official/representatives of Durham City, Durham County, Town of Carrboro, Town of Chapel Hill, Town of Hillsborough, Orange County, Chatham County, NCDOT BOT and GoTriangle (regional transit representative).

3. Does the MPO boundary encompass the existing urbanized area and the contiguous area expected to become urbanized within the 20-yr forecast period? [23 U.S.C. 134 (c), 49 U.S.C. 5303 (d); 23 CFR 450.308 (a)] Response: Yes

4. Is there a currently adopted Unified Planning Work Program? [23 CFR 450.314] Response: Yes.
    a. Is there an adopted prospectus? Yes
    b. Are tasks and products clearly outlined? Yes
    c. Is the UPWP consistent with the MTP? Yes
    d. Is the work identified in the UPWP completed in a timely fashion? Yes

5. Does the area have a valid transportation planning process? Response : Yes
   [23 U.S.C. 134; 23 CFR 450]
    a. Is the transportation planning process continuous, cooperative and comprehensive? Yes
    b. Is there a valid MTP? Yes
    c. Did the MTP have at least a 20-year horizon at the time of adoption? Yes
    d. Does it address the 8-planning factors? Yes,
    e. Does it cover all modes applicable to the area? Yes
    f. Is it financially constrained? Yes
    g. Does it include funding for the maintenance and operation of the system? Yes
    h. Does it conform to the State Implementation Plan (SIP) (if applicable)? Yes
    i. Is it updated/reevaluated in a timely fashion (at least every 4 or 5 years)? Yes

6. Is there a valid TIP? [23 CFR 450.324, 326, 328, 330, 332] Response: Yes
    a. Is it consistent with the MTP? Yes
    b. Is it fiscally constrained? Yes
    c. Is it developed cooperatively with the state and local transit operators? Yes.
    d. Is it updated at least every 4-yrs and adopted by the MPO and the Governor? Yes

7. Does the area have a valid CMP? (TMA only) [23 CFR 450.320] Response: Yes
    a. Is it consistent with the MTP? Yes
    b. Was it used for the development of the TIP? Yes
    c. Is it monitored and reevaluated to meet the needs of the area? Yes

8. Does the area have a process for including environmental mitigation discussion in the planning process? Yes
    a. How? Through periodic meeting with environmental resource agencies and involving the agencies in the MTP process.
    b. Why not? N/A

9. Does the planning process meet the following requirements? Response: Yes.
    a. 23 U.S.C. 134, 49 U.S.C. 5303, and this subpart;
    b. In nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended 42 U.S.C. 7504, 7506 (c) and (d) and 40 CFR part 93;
    c. Title VI of the Civil Rights Act of 1964, as amended 42 U.S.C. 2000d-1 and 49 CFR part 21;
    d. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
    e. MAP-21/FAST Act and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
    f. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
    g. The provisions of the Americans with Disabilities Act of 1990 Sections 42 U.S.C. 12101 et seq. and 49 CFR parts 27, 37, and 38;
    h. The Older Americans Act, as amended 42 U.S.C. 6101, prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
    i. Section 324 title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
    j. Section 504 of the Rehabilitation Act of 1973 29 U.S.C. 794 and 49 CFR part 27 regarding discrimination against individuals with disabilities.
    k. All other applicable provisions of Federal law. (i.e. Executive Order 12898)

10. Does the area have an adopted PIP/Public Participation Plan? [23 CRR 450.316 (b)(1)]? Yes
    a. Did the public participate in the development of the PIP? Yes
    b. Was the PIP made available for public review for at least 45-days prior to adoption? Yes.
    c. Is adequate notice provided for public meetings? Yes.
    d. Are meetings held at convenient times and at accessible locations? Yes.
    e. Is public given the opportunity to provide oral/written comment on planning process? Yes.
    f. Is the PIP periodically reviewed and updated to ensure its effectiveness? Yes.
    g. Are plans and documents available in an electronic accessible format, i.e. MPO website? Yes

11. Does the area have a process for including environmental, state, other transportation, historical, local land use and economic development agencies in the planning process? Yes
    a. How? Through inter-agency coordination, and collaboration
    b. Why not? N/A

DCHC MPO Title VI Assurances

The Durham-Chapel Hill-Carrboro Metropolitan Planning Organization –DCHC MPO (hereinafter referred to as the "Recipient") HEREBY AGREES THAT as a condition to receiving any Federal financial assistance from the North Carolina Department of Transportation and the US Department of Transportation it will comply with the Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d-42 (hereinafter referred to as the Act), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-Assisted Programs of the Department of Transportation. Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the Regulations) and other pertinent directives, to the end that in accordance with the Act, Regulations, and other pertinent directives, no person in the United States shall, on the grounds of race, color, sex, age, national origin or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Recipient receives Federal financial assistance from the Department of Transportation, including the Federal Highway Administration, and HEREBY GIVES ASSURANCE THAT it will promptly take any measures necessary to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the Regulations.

More specifically and without limiting the above general assurance, the Recipient hereby gives the following specific assurances with respect to its Federal-Aid Highway Program:

1. That the Recipient agrees that each "program" and each "facility" as defined in subsections 21.23 (b) and 21.23 (e) of the Regulations, will be (with regard to a "program") conducted, or will be (with regard to a "facility") operated in compliance with all requirements imposed by, or pursuant to, the Regulations.

2. That the Recipient shall insert the following notification in all solicitations for bids for work or material subject to the Regulations made in connection with the Federal-Aid Highway Program and, in adapted form in all proposals for negotiated agreements:

   > The DCHC MPO in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

3. That the Recipient shall insert the clauses of Appendix A of this assurance in every contract subject to the Act and the Regulations.

4. That the Recipient shall insert the clauses of Appendix B of this assurance, as a covenant running with the land, in any deed from the United States effecting a transfer of real property, structures, or improvements thereon, or interest therein.

5. That where the Recipient receives Federal financial assistance to construct a facility, or part of a facility, the assurance shall extend to the entire facility and facilities operated in connection therewith.

6. That where the Recipient receives Federal financial assistance in the form, or for the acquisition of real property or an interest in real property, the assurance shall extend to rights to space on, over or under such property.

7. That the Recipient shall include the appropriate clauses set forth in Appendix C of this assurance, as a covenant running with land, in any future deeds, leases, permits, licenses, and similar agreements entered into by the Recipient with other parties: (a) for the subsequent transfer of real property acquired or improved under the Federal-Aid Highway Program; and (b) for the construction or use of or access to space on, over or under real property acquired, or improved under the Federal-Aid Highway program.

8. That this assurance obligates the Recipient for the period during which Federal financial assistance is extended to the program, except where the Federal financial assistance is to provide, or is in the form of, personal property, or real property or interest therein or structures or improvements thereon, in which case the assurance obligates the Recipient or any transferee for the longer of the following periods: (a) the period during which the property is sued for a purpose for which the Federal financial assistance is extended, or for another purpose involving the provision of similar services or benefits; or (b) the period during which the Recipient retains ownership or possession of the property.

9. The Recipient shall provide for such methods of administration for the program as are found by the Secretary of Transportation or the official to whom he delegates specific authority to give reasonable guarantee that it, other recipients, subgrantees, contractors, subcontractors, transferees, successors in interest, and other participants of Federal financial assistance under such program will comply with all requirements imposed or pursuant to the Act, the Regulations and this assurance.

10. The Recipient agrees that the United States has a right to seek judicial enforcement with regard to any matter arising under the Act, the Regulations, and this assurance.

THIS ASSURANCE is given in consideration of and for the purpose of obtaining any and all Federal grants, loans, contracts, property, discounts or other Federal financial assistance extended after the date hereof to the Recipient under the Federal-Aid Highway Program and is binding on it, other recipients, subgrantees, contractors, subcontractors, transferees, successors in interest and other participants in the Federal-Aid Highway Program. The person or persons whose signatures appear below are authorized to sign this assurance on behalf of the Recipient.

_____ _____

Damon Seils, MPO Board Chair Date

_____ _____

Felix Nwoko, Ph.D. Date
DCHC MPO Manager

Introduction

The DCHC MPO is required by federal regulations to prepare an annual Unified Planning Work Program (UPWP) that details and guides the urban area transportation planning activities. The Fixing America's Surface Transportation Act (FAST Act) is the most recent law establishing federal transportation policy and funding authorizations. Federal regulations implementing transportation policy (23 CFR §450.308) require that:

> "(b) Metropolitan transportation planning activities performed with funds provided under title 23 U.S.C. and title 49 U.S.C. Chapter 53 shall be documented in a unified planning work program (UPWP)…
>
> (c) ...each MPO, in cooperation with the State(s) and public transportation operator(s) shall develop a UPWP that includes a discussion of the planning priorities facing the MPA [metropolitan planning area]. The UPWP shall identify work proposed for the next one- or two-year period by major activity and task (including activities that address the planning factors in §450.306(a)), in sufficient detail to indicate who (e.g., MPO, State, public transportation operator, local government, or consultant) will perform the work, the schedule for completing the work, the resulting products, the proposed funding by activity/task, and a summary of the total amounts and sources of Federal and matching funds."

Funding for the UPWP is provided on an annual basis by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). Essentially, the UPWP provides yearly funding allocations to support the ongoing transportation planning activities of the DCHC MPO. The UPWP must identify MPO planning tasks to be undertaken with the use of federal transportation funds, including highway and transit programs. Tasks are identified by an alphanumeric task code and description. A complete narrative description for each task is more completely described in the *Prospectus for Continuing Transportation Planning for the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization*, approved by the TAC on February 13, 2002. The *Prospectus* was developed by NCDOT in cooperation with MPOs throughout the state.

The UPWP also contains project descriptions for special projects and Federal Transit Administration (FTA) projects. Special project descriptions are provided by the responsible agency. FTA planning project task descriptions, FTA Disadvantaged Businesses Contracting Opportunities forms, and FTA funding source tables are also included in this work program.

The funding source tables reflect available federal planning fund sources and the amounts of non-federal matching funds. The match is provided through either local or state funds or both. Section 104(f) funds are designated for MPO planning and are used by the Lead Planning Agency to support MPO planning functions. Section 133(b)(3)(7) funds are the portion of STBG-DA funds flexed to the UPWP for MPO planning. The LPA and MPO jurisdictions use these funds to support the MPO planning functions and regional special projects, such as corridor studies, the Coordinated Plan, Community Viz update, Regional Freight Plan implementation and update, data collection geo-database enterprise update, regional model update and enhancement, travel behavior surveys and onboard transit survey, etc.

The main source of funds for transit planning for Chapel Hill Transit (CHT) and GoDurham is the Federal Transit Administration's Section 5303 funds. These funds are allocated by NCDOT's Public Transportation Division (PTD). Transit agencies may also use portions of their Section 5307 funds for planning. These funds must be approved by the MPO Board as part of the UPWP approval process.

Proposed FY2020 UPWP Activities and Emphasis Areas

DCHC MPO activities and emphasis areas for the FY20 UPWP are summarized as follow:

- Preparatory work on the development of the 2050 Metropolitan Transportation Plan (MTP)
- Development of the 2020-29 MTIP
- Commence work activities associated with SPOT6
- Continue to implement Fast Act Metropolitan Planning requirements
- Monitory of ADA Transition Plan and Self-Assessment
- Update and monitoring of Title VI compliance
- Update and monitoring EJ and LEP
- Monitoring of Safety Targets
- Monitoring of State of Good Repairs Targets
- Continuation of routine planning- TIP, UPWP, Data monitoring and monitoring system, GIS, Public Involvement, AQ, etc.
- Continuation of special and mandated projects/programs: transportation resilience planning, CTP update, safety/freight, modeling,
- Exploration of integrating big data into technical and modeling processes.
- Exploration of tools for evaluating impacts of technology and autonomous/connected vehicles
- TRM V7 – Exploration and analysis of future direction.
- TRM V6, maintenance, enhancement and update.
- Asset Management Plan for all modes (required for all transit agencies), etc.
- TRM estimation year data tabulation (to be aligned and streamlined with CMP Data gathering and analysis efforts)
- Update of 2045 and process amendments as necessary and required.
- Update and QC of base year data collection/inventory.
- Rolling (continuous ACS-style) surveys (household, transit onboard, cordon, etc.)
- Regional transit and implementation and update of County transit plans
- Congestion Management Process CMP- State of the System Report
- MPO-wide Mobility Report Card update
- Implementation of the Regional Freight Plan
- Continuation of the MPO website update, enhancement and application (portals) development
- Update and enhancement of the MPO geo-database enterprise
  Other 3-C planning process activities
- Triangle Bikeway

Metropolitan Planning Factors & Federal Requirements

Federal transportation regulations require MPOs to consider specific planning factors when developing transportation plans and programs in the metropolitan area. Current legislation calls for MPOs to conduct planning that:

1. Supports the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
2. Increases the safety of the transportation system for motorized and non-motorized users;
3. Increases the security of the transportation system for motorized and non-motorized users;
4. Increases the accessibility and mobility of people and for freight;
5. Protects and enhances the environment, promote energy conservation, improve quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;

6. Enhances the integration and connectivity of the transportation system, across and between modes, for people and freight;
7. Promotes efficient system management and operation;
8. Emphasizes the preservation of the existing transportation system.
9. Improves the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation; and
10. Enhances travel and tourism

In addition, the current administration is promoting livability principles that are to be considered in the metropolitan planning process activities. These principles are:

- Provide more transportation choices
- Promote equitable, affordable housing
- Enhance economic competitiveness
- Support existing communities
- Coordinate policies and leverage investments, and
- Value communities and neighborhoods.

Each of these factors is addressed through various work program tasks.

Public Involvement and Title VI
Federal legislation requires MPOs to include provisions in the planning process to ensure the involvement of the public in the development of transportation plans and programs including the Metropolitan Transportation Plan, the short-term Transportation Improvement Program, and the annual Unified Planning Work Program. Emphasis is placed on broadening participation in transportation planning to include key stakeholders who have not traditionally been involved, including the business community, members of the public, community groups, and other governmental agencies. Effective public involvement will result in opportunities for the public to participate in the planning process.

Metropolitan Transportation Plan (MTP)
The MPO is responsible for developing a Metropolitan Transportation Plan (MTP) for a minimum of 20-year time horizon in cooperation with the State, MPO member agencies and with local transit operators. The MTP is produced through a planning process which involves the region's local governments, the North Carolina Department of Transportation (NCDOT), local jurisdictions and citizens of the region. Additionally, representatives from the local offices of the U.S. Department of Transportation (USDOT) Federal Highway Administration (FHWA) and Federal Transit Administration (FTA), North Carolina Department of Environmental Quality (NCDEQ) and the U.S. Environmental Protection Agency (US EPA) provide guidance and participate in the planning process. The Metropolitan Transportation Plan (MTP) must include the following:

- Vision, Goals, and Objectives;
- Land use impacts;
- Identification and assessment of needs;
- Identification of transportation facilities (including major roadways, transit, multimodal and intermodal facilities and intermodal connectors) that function as an integrated metropolitan transportation system;
- A discussion of types of potential environmental mitigation activities and potential areas to carry out these activities;
- A financial plan that demonstrates how the adopted transportation plan can be implemented;
- Operations and management strategies to improve the performance of existing transportation facilities to relieve vehicular congestion and maximize the safety and mobility of people and goods;
- Capital investment and other strategies to preserve the existing and projected future metropolitan

transportation infrastructure and provide for multimodal capacity increases based on regional priorities and needs; and
- Proposed transportation and transit enhancement activities.

Transportation Improvement Program (TIP)
The DCHC MPO is responsible for developing a Transportation Improvement Program (TIP) for a seven-year time horizon in cooperation with the State, MPO member agencies and with local transit operators. The TIP is produced through a planning process which involves the region's local governments, the NCDOT, local jurisdictions and citizens of the metropolitan area. The TIP must include the following:
- A list of proposed federally supported projects and strategies to be implemented during TIP period;
- Proactive public involvement process;
- A financial plan that demonstrates how the TIP can be implemented; and
- Descriptions of each project in the TIP.

Transportation Management Area (TMA)
Designated TMAs, such as DCHC MPO, based on urbanized area population over 200,000 must also address the following: Plans must be based on a continuing and comprehensive transportation planning process carried out by the MPO in cooperation with the State and public transportation operators. A Congestion Management Process must be developed and implemented that provides for effective management and operation, based on a cooperatively developed and implemented metropolitan strategy of new and existing transportation facilities, through use of travel demand reduction and operations management strategies.

Air Quality Conformity Process
Currently, the DCHC MPO is designated as attainment for the National Ambient Air Quality Standards (NAAQS). On February 16, 2018, there was a decision from the D.C. Circuit Court in the South Coast Air Quality Management District v. EPA. Per the Circuit Court decision, The Raleigh-Durham-Chapel Hill area is considered an orphan maintenance area and based on the EPA guidance of November 2018, the area will need to demonstrate transportation conformity for transportation plans and TIPs for the 1997 ozone NAAQS. This conformity can be demonstrated without a regional emissions analysis (REA) pursuant to 40 CFR 93.109(c). Though not required, the Triangle region air quality partners have decided to continue to implement activities including an air quality regional analysis on its MTP and TIP. NCDOT and TJCOG will assist the MPOs in performing this REA on MTP projects.

<u>FY2020 Emphasis Areas and Special Projects Descriptions</u>
Special emphasis projects and new initiatives for the FY2020 UPWP are described below.

Triangle Regional Model (TRM) - Major Model Enhancement
DCHC MPO will continue to review and analyze travel demand and air quality models to determine feasible enhancements to the procedures that are used in the TRM area. DCHC MPO will continue to perform regional travel demand, and micro simulation model runs for existing and future projects as needed. Upon completion of the TRM-V6, the TRM Service Bureau and regional stakeholders will commence revisions and enhancements to respond to the needs and policies of the DCHC MPO and other stakeholders. A first task will be to identify and select enhancements for implementation based on the needs of partners, including local governments, and on the feasibility and costs of desired enhancements. Enhancements within the DCHC MPO include; enhancing model precision for small area studies, improving non-motorized models, increasing sensitivity to travel demand management policies, network quality checks, improved transit ridership forecasting, incorporating tools for policy analysis and responding to policy questions, improving HOV/HOT tools and parking sensitivity enhancements. Additional technical enhancements have also been proposed relative to trip generation, destination choice and mode choice. Integrated land use and transportation modeling is

addressed in a separate item below. Specific activities to develop model enhancements include; staff time preparing and evaluating technical proposals for model revision and developing the model, negotiating the scope of enhancements with regional model partners (NCDOT, GoTriangle, CAMPO), consultant assistance in preparing technical specifications and in developing the model, and research and peer contact aimed at assessing the technical merits and operational challenges of the various modeling strategies that will be under consideration. The TRM is a regional project, and it is possible that some enhancements sought by DCHC MPO will not be included in the regional model plan, such as the enhancement of the non-motorized trip. In that case, additional activities may include developing extensions to the regional model to meet remaining policy needs of DCHC MPO.

Annual Continuous Travel Behavior Survey (Household Survey)
Work will continue on the tabulation and analysis of the household survey. Also, estimation of parameter using the household survey will be undertaken during this UPWP period. Due to the changing demographics of the region, the model stakeholders have decided to undertake annual (ACS style) continuous survey. This will improve the model by capturing changing travel behavior and patterns. The existing Triangle Regional Model was calibrated with Travel Behavior Survey (TBS) data collected in 2006. Since then, the region has undergone substantial development and demographic changes. While some of these changes are captured in updates to socio-economic data that is input to the model, including Census 2010, there is much more information from the 2006 survey that needs to be updated in order to prepare more accurate forecasts and also to meet the federal requirements for using the latest planning assumptions. The TBS will collect detailed information on personal and household travel patterns from approximately 2,000-3,000 households annually across the Triangle. The sample size for the DCHC MPO planning area will be based on the population. Information about trip purposes, mode choice, travel routes, time of day when travel is undertaken, response to road congestion, average trip distances and durations, and neighborhood and work destination characteristics will likely be gathered in these surveys.

In addition, the new TBS will allow better prediction of transit and non-motorized transportation. Despite the comprehensive character of the current TBS, it under-represents persons who travel by modes other than automobile. Consequently, in order to provide sufficient high-quality data to pursue the MPO's goal of understanding and increasing use of transit and non-motorized travel, the proposed budget includes a separate transit on-board survey bus riders, and surveys of bicycle and pedestrian activity and facilities. The benefit to the DCHC MPO will be a more accurate and reliable travel demand model that represents and captures local travel behavior and travel patterns.

Community Viz
The DCHC MPO in concert with CAMPO will continue to update and enhance the Community Viz tool. The primary purpose of the project is to implement a partnering strategy and create a spatial data planning model framework and scenario planning tools using Community Viz software that will mimic development patterns and intensities and allocate future year socioeconomic data for the jurisdictions within the Triangle region. The model will be used by DCHC MPO staff to identify regional goals and community values, and explore alternatives for growth, development, and transportation investment. Results from the model will be used in developing the DCHC MPO’s next socio-economic forecasts and Metropolitan Transportation Plan.

During FY2017, the DCHC MPO and CAMPO under the leadership of TJCOG joined together to update the first Community Viz0 scenario planning initiative called Connect 2045. That tool provided a platform for regional socio-economic projection and forecasting. Additionally, it provided an opportunity to explore and debate regional visions for growth, their trade-offs, and alternative development futures. Scenario planning tools, and specifically, Community Viz, will be used throughout the planning process to measure and evaluate the impacts of competing development scenarios and major investments in the

regional transportation system. Results of the scenario planning initiative will be the update and refinement of socio-economic forecasts.

Data Collection and Data Management
The MPO is required by federal regulations and the 3C process to perform continuous data monitoring and maintenance. A number of transportation and traffic conditions will be continuously surveyed and compiled annually to feed into various MPO technical analyses such as modeling, Metropolitan Transportation Plan update, Congestion Management Process, project development, Title VI planning, EJ/LEP demographic profiles, TIP, project prioritization, etc. The following data collection and monitoring tasks will be conducted during this UPWP period:

- 48 hour traffic volume –hourly, bi-directional, classified and 85th percentile speed;
- Turning Movement Count during AM, Noon and PM peak periods for cars, trucks, bikes and pedestrians;
- INRIX and HERE data
- Travel time and speed survey; and
- Pedestrian and bicycle counts at mid-block and intersections (peak counts and 12-hour counts).
- Crash and safety data
- Transit APC
- Transportation Performance Measures
- Transit Performance Targets data

Transportation models, Congestion Management Programs, federally mandated performance management/targets, and prioritization are critically dependent on comprehensive, detailed, high-quality input data. In the past, such data have been gathered through an ad-hoc, short-term work effort, and have been used to produce model output for multiple years. As the region grows toward more sophisticated models and, as NCDOT and FHWA move toward detailed data-driven processes, it becomes increasingly desirable to undertake comprehensive and systematic data collection and management for the MPO. The on-going MPO data management program is intended to link the model's input directly to existing databases. More broadly, it is proposed to integrate these external data with existing and new geographic information so that they can be overlaid easily with transportation improvement projects, thoroughfare and corridor plans, updated street centerline locations and other information that will assist policy makers and the public to envision the impact of proposed projects and policies. Specific products to be output by staff and/or consultants include; design of work flow processes and data access strategies to support routine access to relevant information, continued design and update of a centralized database for information that will be used by transportation and land use models, development of presentation tools for the data (using ArcGIS Online), and adjustment of the travel demand model so that it can use directly such detailed data.

Intelligent Transportation System - The purpose of this task is to develop, maintain and enhance regional Intelligent Transportation System (ITS) activities to improve efficiency of the transportation network, public transit, emergency response, safety and security in the region. DCHC MPO will continue to update and maintain the regional ITS architecture, and coordinate with various stakeholders to ensure that ITS technologies are deployed in manner that will allow for communication, interoperability, and compatibility amongst various regional systems and entities.

Title VI Planning - The purpose of this task is to ensure that no person will, on the grounds of race, color, national origin, income, gender, age, and disability, as provided by Title VI of the Civil Rights Act of 1964 and the Civil Rights Restoration Act of 1987 (PL 100.259), be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity. DCHC MPO will continue to monitor the Title VI program and implement Title VI Assurance.

Safety and Security Planning - The purpose of this task is to reduce the human and economic toll on the region's multi-modal transportation system due to traffic crashes through collaboration and an integrated Vision Zero approach including engineering, enforcement, education and emergency response. DCHC MPO will continue to analyze safety data and collaborate with NCDOT and regional safety stakeholders to monitor safety programs and continually revise and refine the planning process.

Land Use, Socio-Economic, Environmental - The purpose of this task is to collect, maintain and analyze regional land use, socio-economic and environmental data that will be used in regional demographic forecasting, transportation planning, land use planning, air quality planning, emergency planning, Title VI and economic development efforts. DCHC MPO will continue to participate, provide input to member jurisdictions and agencies in the development of local comprehensive plans, and provide guidance to NCDOT Project Development and NEPA on land use and zoning issues affecting project development and merger process.

Metropolitan Transportation Plan Reappraisal - This task addresses periodic reviews, changes, and progress on the long range planning process to foster livable and sustainable communities and transportation systems in the DCHC MPO area as required by FAST Act and the previous legislation.

FY2020 UPWP Funding Sources

FY2020 UPWP funding levels as well as the descriptions of funding sources is summarized below.

Federal Highway Administration Funds (FHWA)

Planning (PL) Section 104(f) – These funds for urbanized areas, are administered by NCDOT. These funds require a 20% match. The PL funding apportionment to the state is distributed to the MPOs through a population-based formula. The proposed Section 104(f) funding level is based on the FAST-ACT Section 104(f) allocation. The statewide section 104(f) funds are distributed among all MPOs based on a formula. The DCHC MPO PL fund allocation for FY2020 is below.

	MPO Total
Federal PL funds (80%)	$ 517,111
Local match (20%)	$ 129,278
Total PL Funds	**$ 646,389**

STBG-DA – These funds are the portion of the federal Surface Transportation Block Grant Program (STBG-DA) funds provided to Transportation Management Areas (TMAs) over 200,000 in population through FHWA. By agreement with the DCHC MPO and NCDOT, a portion of these funds are used for MPO transportation planning activities. STBG-DA funds proposed to be flexed in the FY2020 UPWP are shown below:

	MPO Total
Federal STBG-DA funds (80%)	$ 1,849,095
Local match (20%)	$ 462,275
Total STBG-DA Funds	**$ 2,311,370**

Federal Transit Administration (FTA) Funds

Two types of funds are used for transit planning purposes by the DCHC MPO; Section 5303 and Section 5307 funds administered through the Federal Transit Administration (FTA) and the NCDOT Public Transit Division (PTD).

Section 5303 funds provide assistance to urbanized areas for transit planning. The funds are for planning and technical studies related to urban public transportation. They are provided from the FTA through the PTD to the MPO transit operators (80% from FTA, 10% from PTD, and 10% local match).

5303	CHT	GoDurham	MPO Total
Federal (80%)	$137,200	$142,800	$280,000
State (10%)	$17,150	$17,850	$35,000
Local (10%)	$17,150	$17,850	$35,000
Total Sect. 5303	$171,500	$178,500	$350,000

Section 5307 funds may be used for planning as well as other purposes, and are distributed by formula by FTA. The GoDurham, CHT, OPT and GoTriangle are eligible to use Section 5307 funds from the FTA for assistance on a wide range of planning activities. These funds require a 20% local match, which is provided by the City of Durham, the Town of Chapel Hill, Orange County and GoTriangle.

5307	GoDurham	MPO Total
Federal (80%)	$ 247,856	$ 247,856
Local (20%)	$ 61,964	$ 61,964
Total Sect. 5307	$ 309,820	$ 309,820

Summary of all Funding Sources

	Federal	State	Local	Total
PL/STBG-DA (FHWA)	$ 2,366,206		$ 591,553	$ 2,957,759
FTA 5303	$280,000	$35,000	$35,000	$350,000
FTA 5307	$ 247,856		$ 61,964	$ 309,820
Total	$ 2,894,062	$ 35,000	$ 688,517	$ 3,617,579

Summary of Federal Funding (80%) by Agency

	FHWA	FTA Transit Planning		
Agency	**Planning**	**5303**	**5307**	**Total**
Lead Planning Agency	$1,917,111			$1,917,111
Carrboro	$25,680			$25,680
Chapel Hill	$95,929	$137,200		$233,129
Durham City	$215,856			$215,856
Durham County	$46,630			$46,630
TJCOG	$65,000			$65,000
GoDurham		$142,800	$247,856	$390,656
Total	**$2,366,206**	**$280,000**	**$247,856**	**2,894,062**

LPA Local Match Cost Sharing

To receive the aforementioned federal funds through FHWA, a local match of twenty percent (20%) of the total project cost must be provided. The MPO member agencies contribute to the Lead Planning Agency 20% local match. Each MPO's member agencies' proportionate share of the local match is determined on an annual basis during the development of the UPWP. The following table displays the MPO's member agencies' proportionate share of the local match for FY2020. The local match shares for member jurisdictions referenced below were determined using population and number of data collection locations/segments. GoTriangle is 7.5% of the total MPO match required for local share of federal funds minus ITRE and data collection expenses and is based on average annual percentage of funds received including 5307 and STBG-DA.

Agency	Total FY2020
Durham City	$233,781
Durham County	$40,225
Chapel Hill	$58,599
Carrboro	$20,050
Hillsborough	$6,232
Orange County	$35,019
Chatham County	$14,498
GoTriangle	$29,871
Total	$438,275

Certification of MPO Transportation Planning Process

As part of the annual UPWP adoption process, the MPO is required to certify that it adheres to a transportation planning process that is continuous, cooperative, and comprehensive (ie. the 3-C planning process). The certification resolution is included as part of this work program.

Summary of FY2018 and First Quarter FY2019 UPWP Accomplishments

The main emphases of the FY2018 and first quarter of FY2019 UPWP were the development of the Comprehensive Transportation Plan, model enhancement, calibration and validation of the Triangle Regional Model, the update of the MPO GIS enterprise, Congestion Management Process, development of an interactive Mobility Report Card, MPO data collection and analysis, update of the MPO Data Management System, evaluation of performance indicators, update of Community Viz Land-use Scenario, State and Regional Coordination, collaboration on the regional transit activities, and Orange and Durham county transit initiatives. The MPO continued to fulfill State and Federal transportation mandates including the 3-C transportation process, UPWP planning, SPOT5/STI prioritization, Title VI/EJ/LEP, visualization, administration, management and oversight of grants, etc. The MPO made significant progress in these areas. Major milestones and accomplishments are summarized as follows:

Coordinated Public Transit Human Services - The DCHC MPO continued to address the Coordinated Public Transit Human Services Transportation Plan as required by FAST Act and foster coordination and communication among all transit providers in the region. Staff continued to meet and coordinate with the human services agencies that provide or have clients that need transportation services in the MPO, collect information on transportation services, and maintain the metropolitan transportation coordination plan.

Routine MPO Planning Progress and UPWP - The MPO continued to address periodic reviews, changes, and progress on the short-range planning process and changes to the Unified Planning Work Program (UPWP) as required by FAST Act and previous legislation. DCHC MPO will continue to conduct short range transportation and transportation planning activities, and coordinate with necessary local, regional and state agencies to conduct and track transportation projects in the DCHC MPO.

Non-Motorized Planning and Complete Streets – DCHC MPO continued to develop, support and promote plans and projects that increase and improve bicycling and walking facilities, improve safety and security of vulnerable roadway users, and create alternative transportation mode choices for all travelers. DCHC MPO continued to prepare and evaluate transportation plans so that bicycle and pedestrian facilities are integrated wherever practicable, into the network.

Maintain Clean Air (attainment) – DCHC MPO continued to protect and enhance the environment, and promote consistency between transportation improvements, and state and local planned growth and economic development patterns. DCHC MPO continued to monitor the transportation planning activities and ensure that such activities do not deteriorate the air quality in the region.

Intelligent Transportation System - The purpose of this task is to develop, maintain and enhance regional Intelligent Transportation System (ITS) activities to improve efficiency of the transportation network, public transit, emergency response, and safety and security in the region. DCHC MPO continued to update and maintain the regional ITS architecture, and coordinate with stakeholders to ensure that ITS technologies are deployed in a manner to allow communication, interoperability, and compatibility amongst various regional systems and entities.

Title VI Planning - The MPO continued to monitor and implement the MPO Title VI Assurance which ensures that no person will, on the grounds of race, color, national origin, income, gender, age, and disability, as provided by Title VI of the Civil Rights Act of 1964 and the Civil Rights Restoration Act of 1987 (PL 100.259), be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity.

Americans with Disabilities Act (ADA) Transition Plan & Self-Assessment - The MPO continued to monitor and implement the MPO's ADA Transition Plan and Self-Assessment

Model Enhancement – DCHC MPO continued to review and analyze existing travel demand and air quality models in order to determine feasible enhancements to the modeling procedures that are used in the TRM study area. DCHC MPO continued to perform air quality, regional travel demand, and micro simulation model runs for existing and future projects as requested and needed.

Safety and Security Planning - The MPO, through its planning activities, continued to strive to reduce the human and economic toll on the region's multi-modal transportation system due to traffic crashes through widespread collaboration and an integrated Vision Zero and Traffic Incident Management (TIM) program with an Engineering, Enforcement, Education and Emergency Response approach. DCHC MPO continued to analyze safety data and collaborate with regional safety stakeholders to keep them engaged in the routine monitoring of safety programs, and the revision and refinement of the planning process.

2045 Metropolitan Transportation Plan (MTP)- MTP and CTP are the centerpiece of the metropolitan transportation planning process. DCHCMPO has developed a number of Metropolitan Transportation Plans since ISTEA. In the summer of 2018, the MPO approved 2045 MTP, the region's current MTP which is built around the vision of a sustainable metropolitan area, and promotes the

identification of and investment in nodes and corridors of activity as well as fostering of active transportation and public transportation. Also, 2045 MTP articulates a broad set of region-wide transportation goals, policies and strategies that address transportation's role in areas such as place-making, public health, and energy use. The plan is financially constrained, reflecting only funding that is currently available or can reasonably be expected to be available during the plan's time frame, and it identifies major transportation investments through the year 2045. The plan also was assessed for and meets environmental justice requirements to ensure equitable investments are planned for the region. In addition, DCHC MPO determined that the plan conformed to the applicable state implementation plan (SIP) for air quality through a voluntary conformity process. The MTP must be completely updated at least every four years, but may be revised more frequently if necessary. DCHC-MPO anticipates the next major update of the MTP will commence in 2020.

Development of Comprehensive Transportation Planning and Programs – DCHC MPO continued to evaluate, support, analyze and implement multi-modal transportation plans and programs that foster accessibility, mobility, safety and other FAST Act planning factors. DCHC MPO continued to coordinate with local governments and various transportation stakeholders to develop and promote new programs that will foster better multi-modal transportation options.

MPO Data Development and Maintenance - The MPO continued to collect, tabulate, maintain, and analyze regional information on topics including, but not limited to, census, land use, and related data that is needed for regional demographic forecasting, transportation and land use planning, air quality planning, TRM estimation, calibration and validation, CMP, MRC, transit planning, bike/pedestrian planning, emergency planning, Title VI, and economic development efforts.

Land Use, Socio-Economic, Environmental – DCHC MPO continued to collect, maintain and analyze regional land use, socio-economic and environmental data that will be used in regional demographic forecasting, transportation and land use planning, air quality planning, emergency planning, Title VI, and economic development efforts. DCHC MPO continued to participate, and provide input to NCDOT, in the development of local comprehensive plans, and provide guidance to NEPA/Merger/projected development on land use and zoning issues.

Transportation Plan Reappraisal – DCHC MPO continued to address periodic reviews, changes, and progress on the long range planning process to foster livable and sustainable communities and transportation systems in the planning area as required by FAST Act and the previous legislations.

Technical Assistance – DCHC MPO continued to perform service requests as well as utilize the expertise and knowledge of the staff in providing technical support services to local governments and interested citizens on transportation planning and other requests that support the planning factors in FAST Act and the previous legislation. This includes coordinating with public transit providers and local units of government in the region to create a regionally seamless transit system that improves accessibility and mobility for all citizens.

Travel Demand Management – Triangle J Council of Governments (TJCOG) on behalf of DCHC MPO continued to implement Travel Demand Management (TDM) strategies to influence individual travel behavior and provide expanded options to reduce the actual demand, or number of vehicles, placed on transportation facilities, and incorporate practices that focus on managing the demand side of the transportation equation rather than increasing supply by widening or building new roads. Progress continued to be made on reduction of peak VMT around the Research Triangle Park employee commute options, and Best Employer for Commute programs.

Regional SHSP Implementation – DCHC MPO continued to work to create a Regional Transportation Safety Coalition with the aim of reducing crashes on major roadways through widespread collaboration and an integrated approach including engineering, education, enforcement and emergency services. DCHC MPO continued to coordinate with the stakeholders and implement action items in the TIMS Plan to achieve the goal of reducing the number of fatalities within the MPO by half by the year 2045, and ultimately the vision of Destination Zero Deaths.

The other accomplishments for the FY2018 and first quarter FY2019 UPWP are summarized as follows:

1. The MPO Administration program element focuses on all aspects of the MPO's personnel management, governing board support and meeting coordination, budgeting, policy development and review, annual work program development and reporting, and otherwise meeting all state and federal requirements for planning program administration. Most tasks are routine and ongoing in nature including Congestion Management Process (CMP) Comprehensive Transportation plan (CTP), Metropolitan Transportation Plan (MTP), SPOT Prioritization, data collection and analysis, development and maintenance of spatial GIS portals, Incident Management plan, update of ADA Transition Plan, enhancement and update of the regional model, development of Counties Transit Plans and LRT, etc.

2. Data management activity included collecting, analyzing, maintaining and reporting activities necessary to support the transportation planning process and work program. Various data is captured, processed and subsequently used to identify transportation issues, propose solutions, and monitor activity.

3. Trends and Big Data. All data maintained by the MPO is accessible to member agencies and the public. Certain tasks are associated with technical tools and functions necessary to support analytical work and forecasting, including computer hardware and software and licenses for travel demand modeling and traffic operations microsimulation, and for electronic hardware used in various types of traffic counting.

4. Development of the DCHC-MPO Comprehensive Transportation Plan (CTP): The LPA and NCDOT Transportation Planning Branch worked cooperatively in the development of the CTP multi-modal maps and tables. CTP is mandated by NC General Statute. It differs from the federally mandated Metropolitan Transportation Plan (MTP) in that it is not fiscally constrained and does not have a horizon year. CTP has been completed and mutually adopted by the MPO Board and the Board of Transportation. CTP was approved by the Board and subsequent to that the MPO initiated an amendment (Amendment #1) which was approved by the Board. Staff continued to re-evaluate modal elements of the CTP.

5. 2045 Metropolitan Transportation Plan (MTP): significant progress was made in the development of the 2045 MTP. The MPO approved 2045 MTP and subsequently embarked on the air quality conformity analysis and determination due to the recent court that required them to perform activities under the 1997 8-hour Ozone standard. Other 2045 MTP accomplishments include: reconciling MTP projects with TIP. Processing amendments as required and performing MOVES modeling and generating travel demand forecasts. etc.

6. MPO Congestion Management Process (CMP): The MPO continued work on the update, analyses and mapping associated with the development of the federally required CMP. Tasks accomplished include summarization and analysis of data, measurement of multi-

modal transportation system performance, and implementation of CMP mapping in an interactive GIS.

7. MPO Mobility Report Card (MRC): Staff continued to measure and monitor multi-modal transportation system performance. Other accomplishments included a state-of-the-system report that focuses on measures of system performance for which data collected on an annual basis is used to index overall performance of the MPO transportation system from year to year. Data reported included, arterial LOS, intersection LOS, transit services, bicycle facilities, sidewalks, safety, etc.

8. MPO ADA Transition Plan: DCHC MPO conducted an ADA roundtable and stakeholder outreach. Continued to oversee the update of the DCHC MPO ADA Transition Plan, specifically; update of 508 compliance, preparation of ADA roundtable, assessment of MPO ADA programs, etc.

9. Regional Freight Plan: Staff continued to serve as the project manager for the development of the Triangle Regional Freight Plan. Work tasks accomplished included but are not limited to: collaboration in producing draft report, providing staff support for local adoption and integrating freight issues and concerns within overall metropolitan process.

10. Public Involvement Process: Continued to provide the public with complete information, timely notice, and full access to key decisions and opportunities for early and continuing involvement in the 3C process. Also, continued to assess the effectiveness of the DCHC MPO Public Involvement Process and to develop and enhance the process of regional involvement supporting the objectives of the DCHC MPO Public Involvement Policy (PIP) and federal regulations (such as FAST-Act). Staff continued to explore, and apply new and innovative approaches to improve MPO public participation levels and opportunities, especially for plans and programs using social media; Facebook and Twitter. Continued to oversee the update and the maintenance of the MPO website, including update and enhancement of portals, update of CivicaSoft website system application, and update of content management systems. Continued to provide management support for the MPO visualization such as reviewing current AGOL, land-use 3-D, Urban-canvas, MS2 portals and webservers, and suggested updates and enhancements.

11. Safety Analysis: The MPO completed analyses related to bike and pedestrian safety, transit safety, and vehicular safety. Other safety related accomplishments included participating in North Carolina safety education initiatives and regional bike and pedestrian safety programs.

12. Environmental Justice/Title VI: The MPO continued to update and implement EJ and Title VI program, including update of demographic profiles and incorporation of FHWA comments.

13. Metropolitan Transportation Improvement Program (MTIP): The MPO continued to work on TIP-related activities such as prioritization, review of the MPO methodology, Local Supplement of the STIP, and the development of the draft Metropolitan Transportation Program (MTIP).

14. Amendments and Administrative Modifications to the MTIP: The MPO processed several amendments and administrative modifications to the 2016-25 MTIP and forwarded to NCDOT to be included in the STIP for BOT approval.

15. Triangle Regional Model (TRM) Update and Enhancement: The MPO continued to

participate in the update and enhancement of the TRM at ITRE. Work tasks accomplished included completion of generation, destination choice and mode choice models, calibration and the validation of 2013 Estimation Year TRM-V6. The MPO is a funding partner of the modeling service bureau and continued to provide .5 FTE to ITRE Model Service Bureau.

16. Bicycle lane restriping. The MPO continued to work with NCDOT Division 5 and Division 7 regarding priorities and plans for restriping roadways scheduled for resurfacing by NCDOT.

17. Other Project Development Planning and NEPA: The MPO continued to participate in project development planning and NEPA for several on-going NCDOT projects within the MPO including; I-40 Managed Lanes Feasibility Study, US 15-501 Corridor Study, US 15-1501 Feasibility Study, Infinity-Latta intersection, NC54 widening project planning, I-40 widening (US15-501 to I-85), several bridge replacement projects, resurfacing projects, etc.

18. Oversight, Monitoring and Administration of Transit Grants: The MPO continued to process invoices for sub-recipients reimbursements as well continued to administer and monitor transit grants.

19. Service Requests: Staff performed numerous services requests from the public and member agencies.

20. Management and Operations: Staff continued routine tasks that encompass the administration and support of the 3-C transportation planning process as mandated by federal regulations, Tasks have been divided into the following sub- tasks including, but not limited to:

- Provided liaisons between DCHC MPO member agencies, transit providers, GoTriangle, CAMPO, NCDOT, NCDEQ, TJCOG, RDU and other organizations at the local, regional, state, and federal levels on transportation-related matters, issues and actions.

- Provided technical assistance to the MPO Board, member agencies, stakeholders and citizens and other member jurisdictions policy bodies.

- Participated in joint regional technical meetings as a means to continually improve the quality and operation of the transportation planning process and decision making in the region.

- Reviewed and commented on federal and state transportation-related plans, programs, regulations and guidelines, including review of Notice of Proposed Rule Making (NPRM), federal register and literature review of new transportation planning procedures.

- Provided assistance to the MPO Board and Technical Committee with meeting preparation, development of agenda and minutes, follow-up to directives to staff, and support of the agenda management system.

- Updated and provided support for MPO planning documents as required.

- Administration and oversight of contracts and fiscal management.

21. Assisted with the compliance of federal and state regulations and mandates.

22. Performed various supervisory duties.

City of Durham Accomplishments
The City of Durham supported all areas of MPO work through participation in the CTP, MTP, and TIP processes as well as special studies like the NC 98 Corridor Study, US 15-501 Corridor Study, and FTA TOD Planning Grant. There are many funded TIP projects in development in the City of Durham, and City staff have been extensively coordinating with NCDOT and the MPO in the development of these projects. The City is also managing the Central Durham Transportation Study, a long-range planning study for the downtown Durham area. The project was initiated in 2018 and will be ongoing through 2019.

Durham County Accomplishments
Durham County staff developed and updated land use data based on existing zoning, adopted plans, and aspirational scenarios to be incorporated into the development of the Triangle Regional Model. County staff also continued development of station area plans for the Patterson Place and Erwin Road Compact Neighborhoods for land use, transportation, and critical infrastructure, and outlined an initial plan for Greenway-Focused Development standards and regulations for trails within the city.

The County was active in many community impact assessments, scoping projects, traffic study, environmental planning, and other concurrence processes for several TIP projects in the area, including U-5774 (NC 54 widening), U-6021 (Fayetteville Street widening), EB-5703 (LaSalle Street sidewalk), B-5512 (Kemp Road bridge replacement), R-5825 (NC 751/O' Kelly Roundabout), W-5517 (Pleasant/Mineral Springs Roundabout) P-5706 (Railroad Grade Separation at Ellis, Wrenn, and Glover Roads), U-5518 (US 70 improvements in Wake County), and U-5720 (US 70 improvements in Durham County).

Durham County was an active participant in the GoTriangle Planning Grant, the ongoing SPOT 5.0 process, and vital in the completion of the NC 98 Corridor Study. Staff also began participation in the US 15-501 Corridor Study, and began in partnership with Wake Transit, a key role within the Technical Team for the Wake-Durham Commuter Rail.

Town of Carrboro Accomplishments
The Town of Carrboro's planning activities in FY2018 covered a variety of topics, with several new initiatives beginning. The Town began a process to create a Wayfinding System (a key recommendation from the Parking Plan), utilizing the consulting firm Axia Creative to develop conceptual sketches for Automobile, Bicycle, and Pedestrian scaled signage throughout the town. The Town also having applied for and received an NCDOT Bicycle and Pedestrian Planning grant, developed an RFP and advertised it to solicit proposals from consultants to update the Town's Bike Plan.

The Town of Carrboro also worked to develop a regular procedure for performing traffic counts, data from which could be used to support the Town's Residential Traffic Management Plan and the MPO's Mobility Report Card and coordinated with Public Works, ITRE, and EcoCounter to restore the continuous Bike/Ped Counter located on the Libba Cotten Bikeway to working order. Additionally, the MPO's on-call contract was used to contract with Stantec to analyze the E Main Street corridor to determine the feasibility of providing enhanced bicycle facilities within the cross-section by coordinating the NCDOT resurfacing plan with the opportunity to develop an alternative roadway striping design.

The Town of Carrboro has been continuously involved in regional transit planning efforts including CHT's North-South BRT, CHT's Short Range Transit Plan, the Durham-Orange Light Rail, and the Orange County Transit Plan. Carrboro also assisted with upcoming NCDOT TIP projects: R-5821 (NC 54 to Orange Grove Rd, Operational Improvements), U-6070 (NC 54 & Old Fayetteville Rd, Intersection Improvements), and EB-5886A (Estes Drive Bike/Ped Improvements).

Town of Chapel Hill Accomplishments
The Town of Chapel Hill participated in the DCHC MPO FY 18 Unified Planning Work Program by working on a variety of transportation planning and project management activities.

Bike Friendly Community - The Town of Chapel Hill applied to be designated a Bicycle Friendly Community through the League of American Bicyclists. Staff gathered data related to bicycle and pedestrian facilities in Town, writing narratives for accomplishments, and distributing a public survey.

Bicycle and Pedestrian Counters - Staff installed three permanent bike/ped counters on Town roads and collects continuous data. There is also a portable pedestrian counter that staff locates in various locations to conduct before and after counts when a new sidewalk is constructed. Staff created a template semi-annual report for the bike-ped counter data and produced the first round of reports, and is working to develop an online platform to display the bike/ped counts in real time.

Regional and Statewide Planning - Staff continued to work on the engineering and NEPA phase of the North-South Bus Rapid Transit Project, and participated in policy and technical committee meetings, funding discussions, and public input sessions. Staff also participated in Durham-Orange Light Rail planning activities, including technical committee meetings, plan review, and public meetings. Staff participated in the Orange County Transit Plan staff working group and produced project requests and invoices as required.

US 15-501 Corridor Study - The Town of Chapel Hill was on the study steering committee and supported the design team by reviewing consultant reports and public display boards, participated in steering committee meetings, and shared information with advisory boards and Council during the process.

Transportation Improvement Plan - C-5179 is a locally managed bicycle and pedestrian project to construct multi-use path, raised cycle track, and sidewalks along Estes Drive. Town staff and consultant, Stewart Engineering, reached the 90% design benchmark and continue working through the right-of-way acquisition and final plans. Construction is expected to begin in 2019. EB-4707 is the Chapel Hill portion of the Old Durham-Chapel Hill Road bike-ped project, and staff continued to work with NCDOT and consultant to finalize the plans and move towards construction, which is expected to begin in 2019.

SPOT 5.0 - Staff identified highway, bike/ped, and transit projects for the next round of state prioritization for transportation funding. Town staff worked closely with DCHC MPO to choose important Town projects from the MTP and refine cost estimates and project scope on eligible transportation projects.

Town staff continued to attend bi-weekly MPO meetings, frequent sub-committee meetings, provide support to Town advisory boards, communicate with elected officials about transportation-related issues, and attend trainings and conferences.

Development Schedule

The proposed development schedule for this UPWP is below. The schedule provides for the coordination of the UPWP development with the local government budget process and NCDOT deadlines.

Dates	DCHC MPO Activity Description
October -December 2018	Development of draft FY2020 UPWP and coordination with the Oversight Committee and local agencies.
November 2, 2018	Deadline for funding request and supplemental documents to be submitted to MPO by member agencies.
December 19, 2018	TC reviews draft FY2020 UPWP and recommends Board release for public comment.
January 16, 2019	MPO Board reviews draft of FY2020 UPWP and releases draft for public comment.
January 23, 2019	TC receives draft of FY2020 UPWP and recommends Board hold public hearing and approve draft at February Board meeting.
January 31, 2019	Draft FY2020 UPWP submitted to NCDOT/PTD
February 27, 2019	MPO Board holds public hearing and approves draft FY2020 UPWP including approval of self-certification process and local match.
March 15, 2019	Deadline for final FY2020 UPWP to be submitted to NCDOT and FHWA for approval. NCDOT/PTD will submit UPWP to FTA for approval.

MPO Funding Table - Distribution by Agency

Receiving Agency	STBGP Sec. 133(b)(3)(7)		Section 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Funding Summary			
	Local	FHWA	Local	FHWA	Local	NCDOT	FTA	Local	NCDOT	FTA				
	20%	80%	20%	80%	10%	10%	80%	20%	0%	80%	Local	NCDOT	Federal	Total
LPA	$350,000	$1,400,000	$129,278	$517,111	$0	$0	$0	$0	$0	$0	$479,278	$0	$1,917,111	$2,396,389
Carrboro	$6,420	$25,680	$0	$0	$0	$0	$0	$0	$0	$0	$6,420	$0	$25,680	$32,100
Chapel Hill/CHT	$23,983	$95,929	$0	$0	$17,150	$17,150	$137,200	$0	$0	$0	$41,133	$17,150	$233,129	$291,411
Chatham County	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Durham/DATA	$53,964	$215,856	$0	$0	$17,850	$17,850	$142,800	$61,964	$0	$247,856	$133,778	$17,850	$606,512	$758,140
Durham County	$11,658	$46,630	$0	$0	$0	$0	$0	$0	$0	$0	$11,658	$0	$46,630	$58,288
Hillsborough	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Orange County	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
TJCOG	$16,250	$65,000	$0	$0	$0	$0	$0	$0	$0	$0	$16,250	$0	$65,000	$81,250
GoTriangle	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
NCDOT	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Totals	$462,275	$1,849,095	$129,278	$517,111	$35,000	$35,000	$280,000	$61,964	$0	$247,856	$688,517	$35,000	$2,894,062	$3,617,578

MPO Wide - Detail Funding Tables - All Funding Sources

		Task Description	STBGP 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
			Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 20%	NCDOT 0	FTA 80%	Local	NCDOT	Federal	Total
II A		Surveillance of Change														
	1	Traffic Volume Counts	20,813	83,251	1,000	4,000	0	0	0	0	0	0	21,813	-	87,251	109,064
	2	Vehicle Miles of Travel	800	3,200	400	1,600	0	0	0	0	0	0	1,200	-	4,800	6,000
	3	Street System Changes	1,100	4,400	1,120	4,480	0	0	0	0	0	0	2,220	-	8,880	11,100
	4	Traffic Crashes	4,776	19,104	1,080	4,320	0	0	0	0	0	0	5,856	-	23,424	29,280
	5	Transit System Data	2,600	10,400	1,200	4,800	8,946	8,946	71,568	11,084	0	44,336	23,830	8,946	131,104	163,880
	6	Dwelling Unit, Pop. & Emp. Change	8,020	32,080	5,000	20,000	0	0	0	0	0	0	13,020	-	52,080	65,100
	7	Air Travel	6,000	24,000	100	400	0	0	0	0	0	0	6,100	-	24,400	30,500
	8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	-	-	-	-
	9	Travel Time Studies	14,260	57,040	1,800	7,200	0	0	0	0	0	0	16,060	-	64,240	80,300
	10	Mapping	18,219	72,874	4,800	19,200	3,410	3,410	27,280	0	0	0	26,429	3,410	119,354	149,193
	11	Central Area Parking Inventory	2,649	10,597	400	1,600	0	0	0	0	0	0	3,049	-	12,197	15,246
	12	Bike & Ped. Facilities Inventory	2,124	8,495	1,000	4,000	1,052	1,052	8,416	0	0	0	4,176	1,052	20,911	26,139
	13	Bike & Ped. Counts	13,053	52,211	1,000	4,000	856	856	6,848	0	0	0	14,909	856	63,059	78,824
II-B		**Long Range Transp. Plan (MTP)**														
	1	Collection of Base Year Data	6,540	26,160	0	0	0	0	0	0	0	0	6,540	-	26,160	32,700
	2	Collection of Network Data	3,900	15,600	800	3,200	0	0	0	0	0	0	4,700	-	18,800	23,500
	3	Travel Model Updates	72,080	288,320	4,072	16,288	0	0	0	0	0	0	76,152	-	304,608	380,760
	4	Travel Surveys	8,800	35,200	3,060	12,240	0	0	0	0	0	0	11,860	-	47,440	59,300
	5	Forecast of Data to Horizon year	2,526	10,104	240	960	0	0	0	0	0	0	2,766	-	11,064	13,830
	6	Community Goals & Objectives	200	800	1,330	5,320	0	0	0	0	0	0	1,530	-	6,120	7,650
	7	Forecast of Futurel Travel Patterns	1,920	7,680	1,100	4,400	0	0	0	0	0	0	3,020	-	12,080	15,100
	8	Capacity Deficiency Analysis	5,360	21,440	2,400	9,600	0	0	0	0	0	0	7,760	-	31,040	38,800
	9	Highway Element of th MTP	8,029	32,116	3,800	15,200	0	0	0	0	0	0	11,829	-	47,316	59,145
	10	Transit Element of the MTP	15,091	60,365	3,800	15,200	1,278	1,278	10,224	1,016	0	4,064	21,185	1,278	89,853	112,316
	11	Bicycle & Ped. Element of the MTP	39,198	156,793	2,878	11,512	0	0	0	0	0	0	42,076	-	168,305	210,381
	12	Airport/Air Travel Element of MTP	1,120	4,480	200	800	0	0	0	0	0	0	1,320	-	5,280	6,600
	13	Collector Street Element of MTP	1,914	7,656	600	2,400	0	0	0	0	0	0	2,514	-	10,056	12,570
	14	Rail, Water or other mode of MTP	7,420	29,680	0	0	0	0	0	0	0	0	7,420	-	29,680	37,100
	15	Freight Movement/Mobility Planning	3,540	14,160	200	800	0	0	0	0	0	0	3,740	-	14,960	18,700
	16	Financial Planning	2,206	8,822	480	1,920	979	979	7,832	19,668	0	78,672	23,333	979	97,246	121,558
	17	Congestion Management Strategies	19,411	77,643	1,139	4,555	820	820	6,560	0	0	0	21,370	820	88,758	110,948
	18	Air Qual. Planning/Conformity Anal.	1,360	5,440	1,600	6,400	0	0	0	0	0	0	2,960	-	11,840	14,800
II-C		**Short Range Transit Planning**														
		Short Range Transit Planning	660	2,640	0	0	3,490	3,490	27,920	21,124	0	84,496	25,274	3,490	115,056	143,820
III-A		**Planning Work Program**														
		Planning Work Program	8,784	35,134	4,006	16,024	760	760	6,080	0	0	0	13,550	760	57,238	71,548
III-B		**Transp. Improvement Plan**														
		TIP	20,178	80,713	5,661	22,645	3,102	3,102	24,816	2,036	0	8,144	30,977	3,102	136,318	170,397
III-C		**Cvl Rgts. Cmp./Otr .Reg. Reqs.**														
	1	Title VI	2,654	10,616	1,000	4,000	326	326	2,608	736	0	2,944	4,716	326	20,168	25,210
	2	Environmental Justice	5,980	23,920	1,640	6,560	0	0	0	0	0	0	7,620	-	30,480	38,100
	3	Minority Business Enterprise	2,380	9,520	400	1,600	0	0	0	0	0	0	2,780	-	11,120	13,900
	4	Planning for the Elderly & Disabled	1,840	7,360	400	1,600	240	240	1,920	0	0	0	2,480	240	10,880	13,600
	5	Safety/Drug Control Planning	5,340	21,360	1,600	6,400	0	0	0	0	0	0	6,940	-	27,760	34,700
	6	Public Involvement	29,506	118,025	3,769	15,077	814	814	6,512	1,972	0	7,888	36,061	814	147,502	184,377
	7	Private Sector Participation	0	0	0	0	0	0	0	0	0	0	-	-	-	-
			0	0	0	0	0	0	0	0	0	0				
III-D		**Incidental Plng./Project Dev.**														
	1	Transportation Enhancement Plng.	0	0	0	0	0	0	0	0	0	0	-	-	-	-
	2	Enviro. Analysis & Pre-TIP Plng.	10,361	41,444	2,600	10,400	236	236	1,888	0	0	0	13,197	236	53,732	67,165
	3	Special Studies	12,313	49,254	45,603	182,410	820	820	6,560	0	0	0	58,736	820	238,224	297,780
	4	Regional or Statewide Planning	24,332	97,329	3,600	14,400	1,040	1,040	8,320	0	0	0	28,972	1,040	120,049	150,061
III-E		**Management & Operations**														
	1	Management & Operations	42,917	171,669	12,400	49,600	6,831	6,831	54,648	4,328	0	17,312	66,476	6,831	293,229	366,536
		Totals	$462,274	$1,849,095	$129,278	$517,111	$35,000	$35,000	$280,000	$61,964	$0	$247,856	$688,516	$35,000	$2,894,062	$3,617,578

LPA

	Task Description	STBGP 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local	NCDOT	Federal	Total
II A	**Surveillance of Change**														
1	Traffic Volume Counts	$19,200	$76,800	$1,000	$4,000	$0	$0	$0	$0	$0	$0	$20,200	$0	$80,800	$101,000
2	Vehicle Miles of Travel	$800	$3,200	$400	$1,600	$0	$0	$0	$0	$0	$0	$1,200	$0	$4,800	$6,000
3	Street System Changes	$1,000	$4,000	$1,120	$4,480	$0	$0	$0	$0	$0	$0	$2,120	$0	$8,480	$10,600
4	Traffic Crashes	$4,776	$19,104	$1,080	$4,320	$0	$0	$0	$0	$0	$0	$5,856	$0	$23,424	$29,280
5	Transit System Data	$2,600	$10,400	$1,200	$4,800	$0	$0	$0	$0	$0	$0	$3,800	$0	$15,200	$19,000
6	Dwelling Unit, Pop. & Emp. Change	$7,700	$30,800	$5,000	$20,000	$0	$0	$0	$0	$0	$0	$12,700	$0	$50,800	$63,500
7	Air Travel	$6,000	$24,000	$100	$400	$0	$0	$0	$0	$0	$0	$6,100	$0	$24,400	$30,500
8	Vehicle Occupancy Rates	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	Travel Time Studies	$14,260	$57,040	$1,800	$7,200	$0	$0	$0	$0	$0	$0	$16,060	$0	$64,240	$80,300
10	Mapping	$15,000	$60,000	$4,800	$19,200	$0	$0	$0	$0	$0	$0	$19,800	$0	$79,200	$99,000
11	Central Area Parking Inventory	$1,800	$7,200	$400	$1,600	$0	$0	$0	$0	$0	$0	$2,200	$0	$8,800	$11,000
12	Bike & Ped. Facilities Inventory	$400	$1,600	$1,000	$4,000	$0	$0	$0	$0	$0	$0	$1,400	$0	$5,600	$7,000
13	Bike & Ped. Counts	$11,640	$46,560	$1,000	$4,000	$0	$0	$0	$0	$0	$0	$12,640	$0	$50,560	$63,200
		$0	$0	$0	$0										
II B	**Long Range Transp. Plan (MTP)**	$0	$0	$0	$0										
1	Collection of Base Year Data	$6,540	$26,160	$0	$0	$0	$0	$0	$0	$0	$0	$6,540	$0	$26,160	$32,700
2	Collection of Network Data	$3,900	$15,600	$800	$3,200	$0	$0	$0	$0	$0	$0	$4,700	$0	$18,800	$23,500
3	Travel Model Updates	$72,080	$288,320	$4,072	$16,288	$0	$0	$0	$0	$0	$0	$76,152	$0	$304,608	$380,760
4	Travel Surveys	$8,800	$35,200	$3,060	$12,240	$0	$0	$0	$0	$0	$0	$11,860	$0	$47,440	$59,300
5	Forecast of Data to Horizon year	$526	$2,104	$240	$960	$0	$0	$0	$0	$0	$0	$766	$0	$3,064	$3,830
6	Community Goals & Objectives	$200	$800	$1,330	$5,320	$0	$0	$0	$0	$0	$0	$1,530	$0	$6,120	$7,650
7	Forecast of Futurel Travel Patterns	$1,920	$7,680	$1,100	$4,400	$0	$0	$0	$0	$0	$0	$3,020	$0	$12,080	$15,100
8	Capacity Deficiency Analysis	$5,360	$21,440	$2,400	$9,600	$0	$0	$0	$0	$0	$0	$7,760	$0	$31,040	$38,800
9	Highway Element of th MTP	$3,112	$12,448	$3,800	$15,200	$0	$0	$0	$0	$0	$0	$6,912	$0	$27,648	$34,560
10	Transit Element of the MTP	$10,134	$40,536	$3,800	$15,200	$0	$0	$0	$0	$0	$0	$13,934	$0	$55,736	$69,670
11	Bicycle & Ped. Element of the MTP	$7,200	$28,800	$2,878	$11,512	$0	$0	$0	$0	$0	$0	$10,078	$0	$40,312	$50,390
12	Airport/Air Travel Element of MTP	$1,120	$4,480	$200	$800	$0	$0	$0	$0	$0	$0	$1,320	$0	$5,280	$6,600
13	Collector Street Element of MTP	$1,794	$7,176	$600	$2,400	$0	$0	$0	$0	$0	$0	$2,394	$0	$9,576	$11,970
14	Rail, Water or other mode of MTP	$7,320	$29,280	$0	$0	$0	$0	$0	$0	$0	$0	$7,320	$0	$29,280	$36,600
15	Freight Movement/Mobility Planning	$3,540	$14,160	$200	$800	$0	$0	$0	$0	$0	$0	$3,740	$0	$14,960	$18,700
16	Financial Planning	$1,000	$4,000	$480	$1,920	$0	$0	$0	$0	$0	$0	$1,480	$0	$5,920	$7,400
17	Congestion Management Strategies	$17,336	$69,344	$1,139	$4,555	$0	$0	$0	$0	$0	$0	$18,475	$0	$73,899	$92,374
18	Air Qual. Planning/Conformity Anal.	$1,360	$5,440	$1,600	$6,400	$0	$0	$0	$0	$0	$0	$2,960	$0	$11,840	$14,800
		$0	$0	$0	$0										
II C	**Short Range Transit Planning**	$0	$0	$0	$0										
1	Short Range Transit Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0	$0	$0										
III-A	**Planning Work Program**	$0	$0	$0	$0										
	Planning Work Program	$5,958	$23,832	$4,006	$16,024	$0	$0	$0	$0	$0	$0	$9,964	$0	$39,856	$49,820
		$0	$0	$0	$0										
III-B	**Transp. Improvement Plan**	$0	$0	$0	$0										
	TIP	$9,712	$38,848	$5,661	$22,645	$0	$0	$0	$0	$0	$0	$15,373	$0	$61,493	$76,866
		$0	$0	$0	$0										
III-C	**Cvl Rgts. Cmp./Otr .Reg. Reqs.**	$0	$0	$0	$0										
1	Title VI	$2,654	$10,616	$1,000	$4,000	$0	$0	$0	$0	$0	$0	$3,654	$0	$14,616	$18,270
2	Environmental Justice	$5,900	$23,600	$1,640	$6,560	$0	$0	$0	$0	$0	$0	$7,540	$0	$30,160	$37,700
3	Minority Business Enterprise	$2,380	$9,520	$400	$1,600	$0	$0	$0	$0	$0	$0	$2,780	$0	$11,120	$13,900
4	Planning for the Elderly & Disabled	$1,760	$7,040	$400	$1,600	$0	$0	$0	$0	$0	$0	$2,160	$0	$8,640	$10,800
5	Safety/Drug Control Planning	$5,340	$21,360	$1,600	$6,400	$0	$0	$0	$0	$0	$0	$6,940	$0	$27,760	$34,700
6	Public Involvement	$27,408	$109,632	$3,769	$15,077	$0	$0	$0	$0	$0	$0	$31,177	$0	$124,709	$155,886
7	Private Sector Participation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0	$0	$0										
III-D	**Incidental Plng./Project Dev.**	$0	$0	$0	$0										
1	Transportation Enhancement Plng.	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Enviro. Analysis & Pre-TIP Plng.	$3,470	$13,880	$2,600	$10,400	$0	$0	$0	$0	$0	$0	$6,070	$0	$24,280	$30,350
3	Special Studies	$2,800	$11,200	$45,603	$182,410	$0	$0	$0	$0	$0	$0	$48,403	$0	$193,610	$242,013
4	Regional or Statewide Planning	$4,400	$17,600	$3,600	$14,400	$0	$0	$0	$0	$0	$0	$8,000	$0	$32,000	$40,000
		$0	$0	$0	$0										
III-E	**Management & Operations**	$0	$0	$0	$0										
1	Management & Operations	$39,800	$159,200	$12,400	$49,600	$0	$0	$0	$0	$0	$0	$52,200	$0	$208,800	$261,000
	Totals	$350,000	$1,400,000	$129,278	$517,111	$0	$0	$0	$0	$0	$0	$479,278	$0	$1,917,111	$2,396,389

Summary of LPA Tasks and Funding by Broad Categories

Summary of LPA Tasks and Funding by Broad Categories		
Broad Aggregated Tasks	**FY Funding**	**Percent**
Data-Planning Support	**$421,380**	**18**
GIS/Mapping/WEB	**$254,886**	**11**
TIP/SPOT	**$107,216**	**4**
CTP/MTP/Metropolitan Transportation Planning	**$316,070**	**13**
Modeling/Technical/Survey	**$496,260**	**21**
CMP/MRC	**$127,074**	**5**
Management-Grants	**$310,820**	**13**
Other/Regulatory	**$362,683**	**15**
Total	**$2,396,389**	**100**

December 2018

DCHC MPO

LEAD PLANNING AGENCY (LPA)

Felix Nwoko, MPO Manager
Administration of the MPO
Management/Operation of MPO (3C)
State and regional coordination
MPO policy and programs
Technical project management
NEPA Project planning & Air Quality Conformity
Civil Rights/Title VI/LEP/EJ

Yangping Zhang – Model, Technical Team Lead
Modeling
Technical
Special Projects
Land use modeling
Air Quality Analysis
Performance Measures

KoSok Chae, CMP
CMP
Data monitoring
Surveillance of change
ITS
Traffic analysis
Planning/Operations
Coordination (DynSmart)

Vacant–uff – Modeling/Technical
Modeling
Technical support
Demographic/behavioral data
Staff support to the TRM Service Bureau

Andy Henry - MTP/CTP
MTP/CTP & Collector Street planning
Implementation of planning factors
Land Use/SE data
Air Quality Conformity & Public Involvement

Dale Mckeel – Bicycle & Pedestrian Planning & Programming
Bike-Pedestrian planning activities
Education, Enforcement, Engineering
Safety, TDM, & Public Involvement
NEPA Project Planning

Brian Rhodes – Technician, Graphic & GIS Support
MTP/CTP
Collector Street planning
Implementation of planning factors
Land Use/SE data & Public Involvement

Margaret Scully – Grant and Fiscal Program Management & Oversight
UPWP development and management
Grant program management/oversight
5307/5340/5310/5339 apportionment
Funding (CMAQ/STBG-DA)
Financial management

Durmus Cesur – Database/Systems Administrator
GIS oversight
Database administration
Website management and administration
Interactive GIS

Aaron Cain – MPO Board/TC
MPO Board/TC liaison
3-C Process & TIP/SPOT
Mobility Funds & Public Involvement
Project Prioritization

Interns/Temporary Part-Time
Data Collection, mining analyses
GIS/Geo-Spatial Analyses
Operation coordination
Data support & management
Civil Rights/Title VI
Environmental Justice/LEP
Minutes preparation
Board/TC meeting support

Maureen Devlin – Staff Work Group Administrator
Administers County Transit Plans/Staff Work Group

DCHC MPO Task Description, Summary Narrative and Deliverables/Products

The major products of the transportation planning process, in addition to the UPWP, are the Metropolitan Transportation Plan (MTP), Congestion Management Process (CMP), Public Participation Process, project development and the Transportation Improvement Program (TIP). Numerous special reports, corridor/subarea studies and analyses on a wide variety of transportation issues are also produced on a regular basis.

II-A: Surveillance of Change

The MPO is required by federal regulations and the 3C process to perform continuous data monitoring and maintenance. A number of transportation and socio-economic/demographic conditions will be continuously surveyed and compiled annually to feed into MPO technical analyses such as modeling, Metropolitan Transportation Plan update, Congestion Management Process, Mobility Report Card project development, Title VI planning, EJ/LEP demographic profiles, TIP, project prioritization, etc. The following data collection and monitoring tasks will be conducted during the FY2019 UPWP period.

Task II-A-1: Traffic Volume Counts

The Lead Planning Agency (LPA) will continue to collect tabulate and analyze traffic counts and turning movement counts at specified locations. This task includes maintaining ADT counts and database for model calibration on arterial, minor arterial, and collector streets. The LPA will continue routine traffic counts data collection as part of the annual count program as well as on screen lines and cut lines for model validation. These counts will augment triennial traffic counts collected by NCDOT. Traffic counts will include daily, hourly, vehicle classification, or turning movements. The MPO agencies will be responsible for supplementing counts at specified locations within their jurisdiction and for furnishing the raw daily traffic counts, count information, and location maps to the LPA. The traffic count data will feed into the MPO Congestion Management Process (CMP), Triangle Regional Model (TRM) maintenance and update, MPO GIS and safety and freight planning, TIP prioritization, and federally required performance measurement and establishment of targets. MPO staff will continue to work and collaborate with member municipalities in performing various technical duties associated with updating and maintaining the traffic volume, speed and accident data; analyze data for causes and recommend remedial action on the transportation system within the MPO boundary; and also assisting in developing long-range and short- range projects to relieve congestion by addressing roadway management, congestion management, incident management, roadway access management and traffic signal network management.

Task II-A-2: Vehicle Miles of Travel (VMT) Person Miles of Travel (PMT)

The LPA will continue to tabulate VMT by functional classification and County. As specified by the Metropolitan Transportation Plan Goals, Objectives and Targets, annual VMT growth will be monitored and compared to the MTP Targets. The MPO will continue to refine the methodology for tracking multi-modal PMT. This information will help to develop performance measures required by federal legislation and also help determine if the Plan targets are being met. This will feed into the Highway Performance Monitoring System (HPMS), CMP and the Mobility Report Card. The LPA will continue to generate VMT metric from the Triangle Regional Model.

Task II-A-3: Street System Mileage Change

The MPO will continue to support land-use mapping activities such as aerial orthoimagery, and street centerlines, names and addresses, maintained by cities and counties and integrated by MPO and TRM Service Bureau to accurately geocode buildings and employers to Transportation Analysis Zones (TAZ) and other geographic areas. DCHC MPO will update local street centerline GIS data for all DCHC MPO counties and all counties immediately adjacent to the region. DCHC MPO counties will be updated as needed, with metadata verified or created; the old layer will be archived with a

timestamp in the filename. Adjacent counties will follow the same protocol, but be done on a bi-annual basis unless a higher frequency is required. The MPO will continue to update inventory of improvements to municipal street system, and update the inventory of signalization on existing major streets, to provide accurate inputs for the Triangle Regional Model (TRM). The MPO will monitor changes in street mileage systems from previous years and summarize inventory by functional classification. The MPO will continue to update HERE (formerly NAVTEQ) street file and attribute data. The MPO municipalities (Town of Chapel Hill, the Town of Carrboro, and the City of Durham) will continue to gather from the NCDOT Division 7 and 5 offices and compile in database, improvements to the state highway system, whether planned, underway, or completed. Each municipality will compile and maintain similar records for its municipal street system. The MPO municipalities participating in the Powell Bill Program will certify street mileage maintained during this fiscal year. The product of this task will feed into the MPO GIS and data management system. The objective is that, periodically or as changes or additions to the major street system occur, street inventory will be updated and be current through the proposed data automation and management system. These data will also feed into the MPO performance measures as required by federal regulation.

Task II-A-4: Traffic Accidents (Crash/Safety)

The LPA will continue to collect, tabulate and analyze route traffic accident data from TEES and prepare a summary and analysis of high accident locations by mode as well as compare data analysis to previous years' results. Crash data will include auto, bike and pedestrian crashes for the latest three year period within the MPO Metropolitan Planning Boundary. This task will align, build from, and support the safety work of the NCDOT as required by federal regulations. The task will feed into the MPO Congestion Management Process (CMP), MPO MTIP ranking and project prioritization, SPOT, mobility funds and urban loop funds prioritization, etc. The LPA will update the geo-spatial application that will map, manage and analyze crash data in a way that will allow planners, engineers and the public to better understand crashes within our region. The analytical tool will also allow the MPO to formulate public policy with our entities that will reduce crashes and improve public safety.

Task II-A-5: Transit System Data

The LPA will continue to undertake a comprehensive transit system data collection effort. Transit data will be collected for MPO transit providers including GoDurham, Chapel Hill Transit (CHT), GoTriangle and Duke University Transit. This will include APC data to evaluate transit service performance, route productivity, and develop standards. Operators will identify strengths and weaknesses of service by route in order to assess service barriers and future options. Information will be used to monitor service and meet FTA NTD reporting requirements. APC data will be summarized and tabulated for CHT, GoDurham, Duke and GoTriangle as follows: stop level, trip level, time period (peak/nonpeak) level, segment by trip, segment by time period, spatial analysis (TAZ and census tract) and micro analysis (system level).

Task II-A-6: Dwelling Unit / Population and Employment Changes

The MPO will continue to support land-use mapping activities such as aerial orthoimagery, flown metro-wide every 2 years by the region's cities and counties to provide the basis for geographically accurate local land use data; parcel-level land use file, maintained by counties and integrated by MPO planning analyses, to provide current land use; planned land use, maintained by cities and counties and integrated by CommunityViz to represent the collective future imagined by area local governments; street centerlines, names and addresses, maintained by cities and counties and integrated by MPO and TRM Service Bureau to accurately geocode buildings and employers to Transportation Analysis Zones (TAZ) and other geographic areas; economic and demographic data, maintained by a wide variety of federal, state and local agencies and aggregated by the MPO to monitor changing trends by location or characteristic. The LPA will continue to maintain inventory of dwelling units and population to track changes and to compare with assumptions used in the adopted MTP and CTP.

Changes in development will be used to determine needed changes in transportation services and how well developments compare to current and projected demands. The LPA continues to review developments to assess impacts to the 2045 Metropolitan Transportation Plan (2045 MTP), socio-economic and demographic data for MTP update, update of Community Viz land-use scenario planning, land-use model update, and transportation project development. Changes in dwelling units and employment within the MPO will be identified and evaluated to determine accuracy and consistency with the socio-economic forecast. The MPO will review and tabulate Census data, local parcel, zoning, tax data records, InfoUSA, and Employment Security Commission data as part of this monitoring task. The MPO will continue work on the update and enhancement of the MPO GIS enterprise and the Employment Analyst.

Task II-A-7: Air Travel

The MPO will continue to undertake routine collection of travel and passenger data at the Raleigh-Durham International Airport (RDU). Data to be collected and analyzed include, but are not limited to, number of daily flights, number of daily enplaned passengers, number of deplaned passengers, ground transportation, and tons of cargo activity. The purpose of the data collection and monitoring is to determine the influence of RDU as a generator on the regional transportation system and to identify need for additional services.

Task II-A-9: Travel Time Studies

The MPO will continue to undertake routine travel-time runs (floating car technique) on selected links during peak period to provide accurate inputs for applications such as the travel model update and the CMP. MPO will continue evaluation of travel time field data collector, and validation using INRIX and other Bluetooth. The LPA will collect highway/auto travel time and speed along major and minor facilities. The MPO will continue to update the HERE travel time and the MS2 travel time portal.

Task II-A-10: Mapping

The MPO will continue to improve and expand its analytical capabilities such as Geographic Information Systems (currently ESRI's ArcGIS), specifically to maintain, integrate, and analyze the geographically-based data sets and portals; statistical analysis software to analyze geo-spatial data sets and to estimate the parameters on various models, especially the TRM and CommunityViz. The MPO will continue to update, maintain and enhance modeling and visualization software to help translate technical data inputs into meaningful measures and to visually display data for improved understanding and public awareness. This task will also include, but not be limited to, mapping of, and geo-spatial updates to, UPWP transportation planning activities such as the CMP, traffic counts, bicycle and pedestrian counts and inventory, transit routes, land use, traffic analysis zones, socio-economic and demographic trends, Title VI and environmental factors. The MPO will continue to update base maps for corridor studies and project planning. Work will continue on the development and update of the GIS online. Work will continue on the update and enhancement of mapping for the MPO website and Public Involvement planning. Work will also continue on the integration and maintenance of the Employment Analyst, community Viz and enterprise GIS. The LPA will continue to improve MPO GIS support for short and long-range transportation plans by providing visualization enhancement and as required by federal regulations, including creating and maintaining metadata and data catalog for MPO planning area. MPO transit operators will update GIS data for transit routes, stops and segments including attributes. The LPA will continue work associated with management of MPO database, ArcGIS shape files and Google KML files. Expected deliverables and work products are summarized as follows:

- Update and enhancements of GIS Online portals
- GIS online mapping
- Maintenance and development of updated MPO data collection maps
- Transit APC mapping

- Updated transit routes, stops, segments with attributes
- Maintain project geospatial and tabular data related to transit component of the CTP, MTP and TIP
- Parking inventory spatial database and mapping
- ADT mapping in support of planning needs
- Data mapping in support of planning needs
- Employment Analyst enhancements
- Base year tear socio economic and demographic maps
- LEP/EJ demographic profiles mapping
- Updated local and composite street centerline mapping
- Updated HERE street layer
- Crash and safety mapping in support of planning needs and project development.

Task II-A-11: Central Area Parking Inventory

The LPA will continue data collection and inventory of on- and off- street parking facilities in the Central Business Districts (CBD), major generators and universities. Parking data to be collected include number of spaces, parking fee rates (hourly daily, and monthly), average weekday costs, and demand. Parking information collected will help in the calibration and maintenance of the travel model. The LPA will update the parking inventory and usage spatial geodatabase as well as Parking Area Study Analysis.

Task II-A-12: Bike & Pedestrian Facilities Inventory

The MPO will continue to conduct inventory of bicycle and pedestrian facilities as part of the CMP and development of performance measures. The inventory will provide inputs for the travel model and help identify future sidewalk projects, guide pedestrian improvement planning, and support specific projects, such as the Comprehensive Bicycle Plan, Comprehensive Pedestrian Plan and TIP/SPOT prioritization.

Task II-A-13: Bicycle and Pedestrian Counts

The LPA staff will continue to participate in bicycle and pedestrian planning in the region and provide technical assistance/coordination to other government units as needed. The MTP supports and encourages bicycle and pedestrian planning and staff continue to work toward achieving those goals. The primary activity in this task will be the further development of the bicycle system inventory using GIS online and Google Earth. The MPO will continue to conduct an inventory of bicycle and pedestrian facilities as part of the CMP and the development of performance measures. The proposed inventory will provide accurate inputs for the travel model update as well as help identify future sidewalk projects, guide pedestrian improvement planning, and to support specific projects, such as the Comprehensive Bicycle Plan, Comprehensive Pedestrian Plan, and TIP/SPOT prioritization. Also, inventory of bicycle and pedestrian counts will continue to be conducted as part of the Congestion Management Process and development of performance measures. The inventory will guide pedestrian improvement planning, and support specific projects, such as the Comprehensive Bicycle Plan, Comprehensive Pedestrian Plan, development of Transportation Alternatives (TA) funding allocation criteria, etc.

II-B: Long Range Transportation Plan/Metropolitan Transportation Plan (MTP) Activities

Federal Law and USDOT's Metropolitan Planning Regulations require the MPO to have a Metropolitan Transportation Plan (MTP) that is: multi-modal, financially constrained, has a minimum 20 year horizon, adheres to the MPO's adopted Public Involvement Policy (PIP), has growth forecasts consistent with latest planning assumptions and local land use plan, meets air quality conformity, and be approved by the MPO Board. The MTP must be updated and reaffirmed every 4 years. The DCHC will continue tasks associated with the update and reappraisal of the comprehensive transportation plan as well as commence data collection preparation for the 2020 model base year. The MPO will continue to work on the preparatory work for timely and efficient development of the 2050 MTP.

Task II-B-1: Collection of Base Year Data

This task provides travel and socio-economic data for the modeling update. The data collection initiatives include processing and analysis of Census, American Community Survey (ACS) and employment/special generator. These efforts will result in the creation of several travel modeling databases that will be used in the development and update of forecasting tools. The LPA will continue to update the socio-economic and demographic data for the base year model and Title VI demographic/ Minority and Low Income (MLI) profiles. Work activities will include update, estimation and tabulation of the following data elements; population, housing, income, auto ownership, limited-english proficiency, linguistically isolated households, workers, head of household, environmental justice, linguistic demographic factors, ACS community patterns, school enrollment, etc. It is expected that these variables will be linked to the proposed data automation projects, and a GIS database and management system will be used to maintain the aforementioned socio-economic and land use information. An integral part of this task also will be continuous data verification, reconciliation, and quality and error checks.

Task II-B-2: Collection of Network Data

The MPO will continue to update transportation/model network data. The proposed work activities will include collection and update of the following transportation network variables and attributes:

A-Highways: 1) posted speed limit; 2) number of lanes; 3) segment length; 4) turn pockets; 5) parking conditions; 6) traffic signal locations and stop conditions; 7) signal density; 8) access control and driveway conditions; 9) land use and area type; 10) free flow speeds; 11) Travel Time; 12) median condition; and 13) facility type and functional classification.

B-Transit: 1) headways; 2) speed; 3) hours of operation; 4) services miles; 5) fare structure; 6) transfer information; 7) schedule information; and 8) route information and service characteristics for each route.

C-Bicycle and Pedestrian: 1) mileage; 2) activity density; 3) neighborhood characteristics; 4) environment/friendliness factors/indices; and 5) connectivity.

Task II-B-3: Travel Model Updates

The purpose of this task is to continue to review and analyze existing travel demand and air quality models in order to determine feasible enhancements to the modeling procedures that are used in the TRM. DCHC MPO will continue to perform air quality, regional travel demand, and micro-simulation model runs for existing and future projects as needed. Staff will continue to be involved in the development, enhancement and update of the Triangle Regional Model (TRM). Specifically, work will focus on the development, calibration and development of Version 6.1 of the model and preparatory work for version 6.x or V7. This element provides for maintenance, improvement, and support of travel models housed at the Service Bureau. These models provide analytical tools for various transportation analyses, policy testing, and public outreach. Improvement activities involve developing new tools and techniques to enhance travel model applications in various areas**.** Support activities involve maintenance of the software and hardware of the modeling system, documentation, staff training, and assisting consultants who are providing service to the regional projects. This element also provides for technical communication and participation at the State and Federal (FHWA &FTA) levels to ensure travel models are developed in a coordinated manner to meet future needs and expectations. Consultants and University partnership/ assistance will be utilized in undertaking work activities under this task.

The DCHC MPO, with CAMPO, NCDOT and GoTriangle, develops and maintains a regional travel demand model for predicting the impact of transportation investments and land-use policies on travel demand and air quality. The model is used by the MPO in development of the required MTP and CTP, by NCDOT in project development, SPOT/TIP prioritization, Mobility funds ranking and loop prioritization,

by GoTriangle in new Start analysis and fixed guideway transit, and by local and state agencies for development impacts analysis and scenario planning. The main modeling work tasks include:

- Monitor and understand changes in federal requirements as they affect MPO modeling.
- Continue to improve and enhance models and make them responsive to technical and policy questions the MPO seeks to answer.
- Research ways in which the state-of-the-practice is changing and develop modification and improvements in the modeling process to meet those standards.
- Acquire and process data so work program can be accomplished to meet federal requirements.
- Estimate, calibrate and validate current TRM as an on-going activity.
- Ensure that validation focuses on improvements to link level and route level performance.
- Ensure TRM base year and future years are ready for MTP evaluation two years before hand.
- Document TRM so it can be understood and replicated.
- Document the modeling process so that its capabilities and limitations can be understood by policy makers and lay person.

Essentially, the modeling in the proposed work program involves the update, calibration and validation for the model to support the development of the TRM versions 6.1 and 6.x and MTP modeling support. Update of the TRM including improvements, enhancements and major updates.

Task II-B-4: Travel Surveys

The DCHC MPO, along with the other TRM stakeholders, will continue undertake an annual rolling ACS style continuous travel behavior survey (household survey) and Transit Onboard survey tabulation and analysis. The survey is being managed by the TRM Service Bureau, however LPA staff will be involved in every facet of the survey and analysis.

Task II-B-5: Forecast of Data to Horizon Year

The LPA will continue to generate and update socio-economic and demographic projections and forecasts. CTP and MTP forecasts will continue to be re-evaluated and refined consistent with local land-use plans as well as State and regional land use policies.

Task II-B-6: Community Goals and Objectives

The LPA will continue work on performance measures/targets as subset of Goals and Objectives.

Task II-B-7: Forecast of Future Travel Patterns

MPO will generate and update travel demand forecasts for future years including MTIP, SPOT, CMP, MRC, etc. The forecast of travel patterns will include a review of these factors and comparison to community goals and objectives to determine if changes in assumptions are warranted.

Task II-B-8: Capacity Deficiency Analysis

The MPO will continue to update capacity deficiency analysis for reappraisal activities for CTP and MTP, MRC, CMP and other project development activities. Essentially this task encompasses application of the Triangle Regional Model and other modeling tools to analyze deficiencies in the existing transportation system relative to anticipated future travel demand.

Task II-B-9: Highway Element of the MTP

The MPO will continue work associated with the reappraisal and evaluation of highway elements of the Comprehensive Transportation Plan and the update of the 2045 MTP. Performance measures will be established for evaluating highway performance.

Task II-B-10: Transit Element of the MTP
The MPO will continue with the update and evaluation of transit elements of the Comprehensive Transportation Plan, the MTP, County transit plans, and the regional New Starts. Transit evaluation will include fixed-route bus service, fixed-guideway transit, high capacity transit and demand- response transit. Using travel behavior, ridership forecasts and other analysis, evaluation of the transit element will look at unmet needs, new service areas and potential markets. Performance measures will routinely be established for evaluating transit alternatives.

The MPO will continue to coordinate with GoTriangle and other regional partners regarding the development of the regional commuter rail and light rail. Specifically, the MPO will conduct planning and studies for D-O LRT, and high capacity transit and circulator transit (MLK BRT in Chapel Hill), and other planning work necessary for the preparation of the FTA Small-Start project. It is anticipated that this work will be accomplished with the help of consulting services.

Task II-B-11: Bicycle & Pedestrian Element of the MTP
The MPO will continue with the reappraisal and reevaluation of bicycle and pedestrian elements of the Comprehensive Transportation Plan and the MTP. The MPO and its member agencies will continue work on improving and enhancing bike and pedestrian investment within the MPO.

Task II-B-12: Airport/Air Travel Element of MTP
The MPO will continue with the evaluation of airport/air travel element of the Metropolitan Transportation Plan, including inter-modal connection and access/ground transportation. Work task will include review of RDU plans and comparison and integration as necessary with the MTP for consistency. The MPO will continue to routinely coordinate and collaborate in the integration of aviation planning into MTP update process as well as integrate aviation with other transportation modes. Also, the MPO will continue to facilitate an open, ongoing discussion of regional aviation issues among aviation professionals, regional elected leadership, and local, state, and federal officials; and effectively integrate aviation planning considerations into the overall metropolitan transportation planning process.

Task II-B-13: Collector Street Element of MTP
MPO will continue work on the update of the MPO Collector Street and Connectivity Plan. Work tasks will to involve the identification of future collector street connectivity needs, provisions for local street connectivity, development ordinance implementation provisions, additional local government consultation, and public involvement. The MPO will continue to involve CAMPO, City of Raleigh and Wake County regarding collector street and connectivity planning in Brier Creek and east Durham area.

Task II-B-14: Rail, Water, or Other Mode of MTP
The MPO will continue to work with NCDOT Rail Division, GoTriangle and CAMPO regarding rail transportation in the Triangle. Work includes, but is not limited to, survey of rail plans, relationship to the MPO Metropolitan Transportation Plan and Comprehensive Transportation Plan, programmatic impacts, etc. Also, this task will include planning associated with commuter and light rail efforts. The CRT MIS work will continue in FY2020. The MPO will continue to play active role in next step of the commuter rail assessment study and project development

Task II-B-15: Freight Movement/Mobility Planning
MPO will continue to undertake tasks associated with urban goods movement, specifically freight accessibility and mobility. Tasks associated with the implementation of the Regional Freight Plan will continue. Other tasks to be undertaken include attending and staffing the Regional Freight Stakeholders meetings, survey of freight carriers, recommendations for improving truck mobility or train/truck

intermodal movements, and identifying acceptable truck routes. The MPO will continue the management role to the update of the Triangle Regional Freight plan.

Task II-B-16: Financial Planning

The MPO will continue to update and refine cost estimates and revenues for the regional transit initiatives and the 2045 MTP. As part of this task, the MPO will examine financial options for funding proposed transportation projects and programs, including review of the financial planning assumptions/ projections in the 2045 MTP and update of the Durham County and Orange County financial plans based on the latest half-cent sales tax revenue collection.

Task II-B-17: Congestion Management Systems Strategies

The MPO will work to implement and monitor the Congestion Management Program (CMP) in accordance with the provisions of 23 U.S.C. and 23 CFR. Specifically, the MPO will continue with the update and monitoring of CMP strategies and State of the Systems Report. Also, the MPO will continue to update the Mobility Report Card, including metrics, graphics and reports. The MPO will continue to collaborate on the update, monitoring and implementation of the Travel Demand Management (TDM) activities and program. Other proposed activities include: Acquire vehicle probe data to support update to regional congestion analysis and calculation of key performance metrics on the entire Congestion Management Network; Continue data collection, analysis and reporting in support of the CMP (ongoing); Undertake CMP Implementation, by integrating CMP with the development of planning products and activities, including the MTP, TIP, ITS Architecture, planning studies, etc. (ongoing).: Incorporate additional transportation modes and coordinate with stakeholders and regional transportation stakeholders to incorporate bicycle and pedestrian modes into the CMP (ongoing); and maintain CMP products and documentation as needed (ongoing).

Under this task, the MPO will continue to establish and monitor performance measurement targets in response to the FAST Act's performance-based approach to statewide and metropolitan planning; and coordinate the selection of performance targets by NCDOT, the MPO and the region's transit agencies to ensure consistency, as appropriate.

Task II-B-18: Air Quality Planning/Conformity Analysis

Currently, the DCHC MPO is designated as attainment for the National Ambient Air Quality Standards (NAAQS). On February 16, 2018, there was a decision from the D.C. Circuit Court in the South Coast Air Quality Management District v. EPA. Per the Circuit Court decision, The Raleigh-Durham-Chapel Hill area is considered an orphan maintenance area and based on the EPA guidance of November 2018, the area will need to demonstrate transportation conformity for transportation plans and TIPs for the 1997 ozone NAAQS. This conformity can be demonstrated without a regional emissions analysis (REA) pursuant to 40 CFR 93.109(c). Though not required, the Triangle region air quality partners have decided to continue to implement activities including an air quality regional analysis on its MTP and TIP. NCDOT and TJCOG will assist the MPOs in performing this REA on MTP projects.

Task II-C: Short Range Transit Planning

The MPO transit operators will continue activities related to short range transit planning. This includes continuous evaluation of their respective transit development plans and service performance.

Task III-A: Planning Work Program

Unified Planning Work Program (UPWP) work includes conducting metropolitan planning and implementing planning activities for the MPO. This involves responding to regulations and mandates, and reporting information on 3C planning topics, including those identified in federal legislation, and issues related to federal policies, regulations, and guidance, such as responding to federal certification

recommendations. Additionally, the LPA will provide support related to planning topics such as those highlighted in federal planning guidance, including operations and management, sustainability, health, freight, economic effects, and environmental issues.

Under this work element, the LPA will finalize the reimbursement and invoicing process for the FY2019 UPWP, administer the FY2020 UPWP, prepare and process amendments as needed, evaluate transportation planning work needs and emphasis areas and prepare the FY2021 UPWP. LPA will prepare and continually maintain UPWP that describes all transportation and transportation-related planning activities anticipated within the DCHC MPO planning area for the FY2020. Work program will include the development and maintenance of UPWP in conformance with applicable federal, state, and regional guidelines. In addition, work will include the preparation of UPWP amendments as necessary and requested by member agencies, to reflect any change in programming or focus for the current fiscal year. The MPO will commence the preparatory work on the development of the FY2021 UPWP.

Task III-B: Transportation Improvement Program (TIP)

The LPA will continue work associated with the development of the 2020-29 MTIP, including prioritization work (SPOT-6) activities. Also, the MPO will continue to process TIP amendments as needed, including coordinating with the MPO member agencies and conducting public involvement/outreach, and commence work on the development of the TIP ranking and prioritization. This includes the refinement of the MPO Priority Needs and the identification of the transportation projects, programs, and services towards which the MPO will direct STBG-DA funds. As the Lead Planning Agency (LPA) of the DCHC MPO, the City of Durham Transportation Department –Planning Division is responsible for annually developing, amending, adjusting and maintaining the Transportation Improvement Program (TIP) for the metropolitan area. Under this activity, the LPA will examine any possible need to update and amend the current transportation improvement projects (MTIP) that is consistent with the 2045 Metropolitan Transportation Plan, STIP and FHWA/FTA Planning Regulations.

Task III-C: Civil Rights Compliance/Other Regulations and Requirements

Task III-C-1: Title VI

The MPO will continue work on the Title VI plan and the NCDOT Civil Right compliance report. NCDOT Civil Right Division conducted a Title VI audit. As a result of the audit the MPO prepared the required Title VI Policy Statement and Assurance. That assurance will be updated accordingly. The DCHC MPO will continue work on the development of the MPO Limited English Proficiency plan as it relates to Title VI issues.

Task III-C-2: Environmental Justice (EJ)

In accordance with Federal action (Executive Order 12898), the MPO will develop an Environmental Justice Plan which will focus on complying with the Executive Order and the three basic principles of Environmental Justice: 1) Ensure adequate public involvement of low-income and minority groups in decision-making; 2) Prevent disproportionately high and adverse impacts to low-income and minority groups resulting from transportation and environmental decisions made by the MPO; and 3) Assure that low-income and minority groups receive a proportionate share of benefits resulting from transportation decisions made by the MPO. Tasks include:

1. Develop MPO Environmental Justice Plan, including establishment of Environmental Justice Advisory Board
2. Update demographic profiles based on Census CTPP and PUMS as well as MPO SE data forecasts - maps to identify areas of low-income, minority and elderly populations, job accessibility, and overlay of major employers, fixed route transit systems, and major shopping areas.
3. Provide increased opportunities for under-served populations to be represented in the transportation

planning process.
4. Define target areas through the use of Census Block Group data from the 2010 Census.
5. Analyze the mobility of target area populations to jobs, childcare, and transit routes.
6. Review existing public outreach and involvement plan.
7. Develop a protocol for responding to issues and concerns regarding environmental justice in general and Hispanic population in particular.
8. Conduct analysis as needed regarding equitable distribution of transportation system benefits and costs among all socio-economic groups throughout the MPO area

Task III-C-3: Minority Business Enterprise
The MPO will continue to address and monitor the Minority Business Enterprise (MBE) program as a part of the planning and programming phases of project development. The MPO will monitor transportation projects and programs to ensure that meaningful and full consideration are given to MBEs. The LPA will review and summarize transit operators MBE program and utilization.

Task III-C-4: Planning for the Elderly & Disabled
The MPO will continue to emphasize planning and provision of transportation facilities and services for persons who are elderly or have a disability. Specifically, the MPO will update the inventory of locations and needs of persons who are elderly or have a disability. The MPO will work with transit operators in the planning and evaluation of para-transit services.

Task III-C-5: Safety and Drug Control Planning
The MPO will continue to update the regional safety plan and report using the data from, and analysis of, TEES data. The MPO will continue to participate in the transit operator's safety coordination meetings as well as update the multi-modal safety plan. The MPO will develop an MPO Safety Plan that incorporates elements of VISION ZERO.

Task III-C-6: Public Involvement
The MPO will continue to update and enhance the MPO website as well as continue to strive to provide early, proactive, and meaningful public participation and input throughout the transportation planning process, including providing for open exchange of information and ideas between the public and transportation decision-makers, to provide the public with complete information, timely notice, full access to key decisions and opportunities for early and continuing involvement in the 3C process, to assess the effectiveness of the current Public Involvement Process as required by the federal Certification Team, and to develop and enhance the process of public dissemination of information. It also includes providing process support, such as developing and preparing informational materials for the MPO website, conducting public outreach, managing the MPO website, preparing and distributing the MPO's newsletter, implementing other social media (Twitter, YouTube and Facebook), and maintaining mailing lists and email lists.

Task III-D: Incidental Planning/Project Development

Task III-D-2: Environmental Analysis & Pre-TIP Planning
The LPA will continue to participate regularly and consistently in the TIP project planning and development process, including submission of comments, attending public meetings, attending scoping meetings, attending NEPA 404 merger meetings, and participating in field inspections. The LPA will continue to be involved in NCDOT project development and the NEPA process including taking the lead in the public involvement process as needed. The MPO will continue to support and be involved in NCDOT efforts to link the NEPA process in the MPO systems planning process.

Task III-D-3 Special Studies
The MPO will continue with wide range of studies which are being conducted to meet the transportation planning needs of the area. These studies include Mobility Report Card, Community Viz integration with RPAT, continuation of the US 15-501 Corridor Study, the regional ITS and Toll studies, MS2 Data portals, funding /E-TIP database, application and portals development, incident management plan, GIS enterprise/GIS online, non-motorized trip model update, land-use model update, bicycle-pedestrian superhighway study, etc.

Task III-D-4: Regional or Statewide Planning
The MPO will continue to coordinate with CAMPO, GoTriangle, NCDOT, NCDEQ, FHWA, FTA, EPA, and other State and regional agencies in regional transportation. This includes participation in the DCHC-CAMPO joint Board meetings, GoTriangle Board Meetings, Durham-Chapel Hill-Orange County Work Group, and a wide range of regional transportation planning working groups and committees. Examples include the Model Team, the Executive Committee, and the regional transit planning/operation coordination. Statewide planning includes participation in various statewide planning initiatives such as CMAQ Committee, Indirect and Cumulative Impacts of Transportation Projects in North Carolina, the State Transportation Plan process, and the CTP.

Task III-E: Management and Operations
The purpose of this work is to assist, support, and facilitate an open Comprehensive, Cooperative, and Continuing (3C) transportation planning and programming process in conformance with applicable federal and state requirements and guidelines as described in the 3C Memorandum of Understanding. This work element encompasses the administration and support of transportation planning process as mandated and required by federal regulations. The continuing transportation planning process requires considerable administrative time for attending monthly committee meetings, preparing agendas and minutes of these meetings, training, preparing quarterly progress reports, documenting expenditures for the various planning work items, and filing for reimbursement of expenditures from the PL and STBG-DA funds account and other Federal funds. In addition, this work includes consultation with other agencies involved within 3C planning activities; liaison activities between the MPO and NCDOT and ongoing coordination with CAMPO; and communication with other regional groups. Other activities include the day-to-day oversight of, and reporting on, the progress of projects listed in the UPWP, and the establishment of work priorities in light of MPO needs. Proposed tasks include, but are not limited to:

1. Provide liaisons between DCHC MPO member agencies, transit providers, CAMPO, NCDOT, NCDEQ, TJCOG, and other organizations at the local, regional, state, and federal levels on transportation related matters, issues and actions.
2. Respond to federal and State legislation and regulations.
3. Provide service request to citizens.
4. Provide service requests and technical support to MPO member agencies.
5. Provide oversight to MPO planning and transit funding policies.
6. Work with the CAMPO on regional issues. Prepare Regional Priority lists and MTIP and amend as necessary, update transportation plans, travel demand model, and monitor data changes. Evaluate transportation planning programs developed through the 3C public participation process for appropriate MPO action.
7. Provide technical assistance to the Board and other member jurisdictions policy bodies.
8. Participate in joint CAMPO/DCHC MPO TC and Board meetings to continually improve the quality and operation of the transportation planning process and decision making in the Triangle Region.
9. Review and comment on federal and state transportation-related plans, programs, regulations and guidelines.

DCHC MPO 5-Year Unified Planning Work Program
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FY	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**
Period	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**
	July 1, 2019-June 30, 2020	**July 1, 2020-June 30, 2021**	**July 1, 2021-June 30, 2022**	**July 1, 2022-June 30, 2023**	**July 1, 2023-June 30, 2024**
1	**Surveillance of Change/ Data monitoring**	**Surveillance of Change/ Data monitoring**	**Surveillance of Change/ Data monitoring**	**Surveillance of Change/ Data monitoring**	**Surveillance of Change/ Data monitoring**
1.1	ADT count and TMC annual and seasonal, including update of count database system	ADT count and TMC annual and seasonal, including update of count database system	ADT count and TMC annual and seasonal, including update of count database system	ADT count and TMC annual and seasonal, including update of count database system	ADT count and TMC annual and seasonal, including update of count database system
1.2	VMT update and monitoring	VMT update and monitoring	VMT update and monitoring	VMT update and monitoring	VMT update and monitoring
1.3	Street System Changes update. Update of INRIX/HERE Street layer	Street System Changes update. Update of INRIX/HERE Street layer	Street System Changes update. Update of INRIX/HERE Street layer	Street System Changes update. Update of INRIX/HERE Street layer	Street System Changes update. Update of INRIX/HERE Street layer
1.4	Traffic accidents data/ multi-modal safety data update and analyses	Traffic accidents data/ multi-modal safety data update and analyses	Traffic accidents data/ multi-modal safety data update and analyses	Traffic accidents data/ multi-modal safety data update and analyses	Traffic accidents data/ multi-modal safety data update and analyses
1.5	Transit system data/Continual update of APC data	Transit system data/Continual update of APC data	Transit system data/Continual update of APC data	Transit system data/Continual update of APC data	Transit system data/Continual update of APC data
1.6	Housing, POP, Emp. Data,including development review/permits, CO, Census, INFOUSA (employment & household data), etc	Housing, POP, Emp. Data,including development review/permits, CO, Census, INFOUSA (employment & household data), etc	Housing, POP, Emp. Data,including development review/permits, CO, Census, INFOUSA (employment & household data), etc	Housing, POP, Emp. Data,including development review/permits, CO, Census, INFOUSA (employment & household data), etc	Housing, POP, Emp. Data,including development review/permits, CO, Census, INFOUSA (employment & household data), etc
1.7	Air travel. Continual monitoring of RDU passenger activities and ground transportation	Air travel. Continual monitoring of RDU passenger activities and ground transportation	Air travel. Continual monitoring of RDU passenger activities and ground transportation	Air travel. Continual monitoring of RDU passenger activities and ground transportation	Air travel. Continual monitoring of RDU passenger activities and ground transportation
1.8	VOC	VOC	VOC	VOC	VOC
1.9	Travel Time, including continual gathering and update of INRIX, HERE and Travel Time database monitoring system.	Travel Time, including continual gathering and update of INRIX, HERE and Travel Time database monitoring system.	Travel Time, including continual gathering and update of INRIX, HERE and Travel Time database monitoring system.	Travel Time, including continual gathering and update of INRIX, HERE and Travel Time database monitoring system.	Travel Time, including continual gathering and update of INRIX, HERE and Travel Time database monitoring system.
1.10	Mapping and update/enhancement and maintenance of the MPO Geo-spatial databse and GIS enterprise	Mapping and update/enhancement and maintenance of the MPO Geo-spatial databse and GIS enterprise	Mapping and update/enhancement and maintenance of the MPO Geo-spatial databse and GIS enterprise	Mapping and update/enhancement and maintenance of the MPO Geo-spatial databse and GIS enterprise	Mapping and update/enhancement and maintenance of the MPO Geo-spatial databse and GIS enterprise
1.11	Parking inventory	Parking inventory	Parking inventory	Parking inventory	Parking inventory
1.12	Bike/Pedestrian. Facilities Inv	Bike/Pedestrian. Facilities Inv	Bike/Pedestrian. Facilities Inv	Bike/Pedestrian. Facilities Inv	Bike/Pedestrian. Facilities Inv
1.13	Bike/Pedestrian. Facilities Counts	Bike/Pedestrian. Facilities Counts	Bike/Pedestrian. Facilities Counts	Bike/Pedestrian. Facilities Counts	Bike/Pedestrian. Facilities Counts
2	**Unified Planning Work Program (UPWP)**	**Unified Planning Work Program (UPWP)**	**Unified Planning Work Program (UPWP)**	**Unified Planning Work Program (UPWP)**	**Unified Planning Work Program (UPWP)**
2.1	Process UPWP amendments as necessary	Process UPWP amendments as necessary	Amend UPWP as necessary	Amend UPWP as necessary	Amend UPWP as necessary
2.2	Process quarterly invoices and reports	Process quarterly invoices and reports	Process quarterly invoices and reports	Process quarterly invoices and reports	Process quarterly invoices and reports
2.3	Prepare annual UPWP progress report and performance evaluation	Prepare annual UPWP progress report and performance evaluation	Prepare annual UPWP progress report and performance evaluation	Prepare annual UPWP progress report and performance evaluation	Prepare annual UPWP progress report and performance evaluation
2.4	Develop FY 2021 UPWP	Develop FY 2022 UPWP	Develop FY 2023 UPWP	Develop FY 2024 UPWP	Develop FY 2025 UPWP
2.5	UPWP financial management and administration	UPWP financial management and administration	UPWP financial management and administration	UPWP financial management and administration	UPWP financial management and administration
	Grant monitoring, oversight and audit	Grant monitoring, oversight and audit	Grant monitoring, oversight and audit	Grant monitoring, oversight and audit	Grant monitoring, oversight and audit
2.6	Perform annual self-certification & On-Going Process-Development	Perform annual self-certification & On-Going Process-Development	Perform annual self-certification & On-Going Process-Development	Perform annual self-certification & On-Going Process-Development	Perform annual self-certification & On-Going Process-Development
2.7	LPA Local match Cost Sharing, including preparation of annual report.	LPA Local match Cost Sharing, including preparation of annual report.	LPA Local match Cost Sharing, including preparation of annual report.	LPA Local match Cost Sharing, including preparation of annual report.	LPA Local match Cost Sharing, including preparation of annual report.
2.8	Management and Operations of the 3-C Process.	Management and Operations of the 3-C Process.	Management and Operations of the 3-C Process.	Management and Operations of the 3-C Process.	Management and Operations of the 3-C Process.
3	**Metropolitan Transportation Plan (MTP)/Long-Range Transportation Planning/CTP**	**Metropolitan Transportation Plan (MTP)/Long-Range Transportation Planning/CTP**	**Metropolitan Transportation Plan (MTP)/Long-Range Transportation Planning/CTP**	**Metropolitan Transportation Plan (MTP)/Long-Range Transportation Planning/CTP**	**Metropolitan Transportation Plan (MTP)/Long-Range Transportation Planning/CTP**

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FY	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**
Period	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**
	July 1, 2019-June 30, 2020	**July 1, 2020-June 30, 2021**	**July 1, 2021-June 30, 2022**	**July 1, 2022-June 30, 2023**	**July 1, 2023-June 30, 2024**
3.1	Adoption of the 2050 MTP development process and schedule	Amendment of CTP and 2045 MTP as necessary or required. Re-adoption of the CTP if need be.	Amendment of the 2045 MTP for AQ analysis and conformity as necessary	Amendment of CTP and 2045 MTP as necessary or required. Re-adoption of the CTP if need be.	2050 MTP environmental analysis and considertaion
3.2	Refinement of SE forecast to Horizon and intermediate years.	Integration of resiliency planning.	Framework for incorporating technolog and autonomus / connecte vehiclles into the 2050 MTP	Work associated with Goals, Objectives and targets for 2050 MTP commences.	Model and technical analyses for the 2050 MTP
3.3	Model Update and improvements for 2050 MTP development commences	CTP continual update and consistency and integration with CMP and SPOT	Update of base year networks and their attributes	Deficiency analysis and needs assessment for 2050 MTP comtinue	Continue work on GIS and mapping for MTP base maps
3.4	Inter-Agency Consultation process	Base year SE data collection, tabulation and analysis underway; and networks and attributes development continues	Update of modeling and technical tools for 2050 MTP analyses.	Public outreach for deficiency analysis, existing conditiond snd need assessment	Selection of Preferrred MTP Option.
3.5	CTP continual update and amendemnt as necessary.	Update methodology for analyzing and assessing equity and health impacts on 2050 MTP	Continue work on GIS and mapping for MTP base maps	Generation of alternatives for 2050 MTP	AQ analysis and conformity determination process
3.6	2050 MTP Visioning process and coordination kick-off	Adoption of the 2050 MTP development process and schedule	Continue work on GIS and mapping for MTP base maps	Evaluation and analysis of alternatives	Inter-Agency Consultation process
3.7	Goals, Objectives and targets for 2045 MTP	Develop 2050 MTP Publie Outreach and input process, including involvement and input from MPO member agencies.	Base year SE data collection and analysis for 2050 MTP	Public outreach and input on the draft preferred plans (options).	Public outreach and involvement of the 2050 MTP.
	Work commences on MPO wide Community visioning. Product to lead into Goals and Objectives development	Update Title 6, EJ and LEP for 2050 MTP	Comm Viz Scenario planning and selction of the preferrred scenario	CTP continual update and amendemnt as necessary.	Adoption of 2050 MTP and AQ comformity report
	Dvelopment of networks and update of base maps	2050 Goals, Objectives and Performance Measures	Socio-economic and demographic forecasts for 2050 MTP, including 2030 and 2040 intermediate years	Incorporation of freight, airport, safety, EJ, etc.	Initiation of 2055 MTP development and update process
	Existing conditiond analysis commences	Initiate Community Viz 3.0 model update and land-us scenario building.	Existing conditions and deficiency analyses continue	Amendment of the 2045 MTP as necessary	Amendment of the 2045 MTP as necessary
	Deficiency analysis commences	Public outreach and involvement for thr 2050 MTP	Assessment of Need for the 2050 MTP		
4	**Travel Demand Model Development and Update**	**Travel Demand Model Development and Update**	**Travel Demand Model Development and Update**	**Travel Demand Model Development and Update**	**Travel Demand Model Development and Update**
4.1	On-going model maintenance and enhancement activities	On-going model maintenance and enhancement activities	On-going model maintenance and enhancement activities	On-going model maintenance and enhancement activities	On-going model maintenance and enhancement activities
4.2	Collection of annual continuous household and transit on board survey. Coordination of estimation year data collection	Support MPO 2045 MTP and air quality conformity model applications	Develop TRMv7: continue estimating models for tour mode choice	Develop TRMv7: incorporate existing model components for commercial vehicles & external models	Develop TRMv7: complete model calibration and validation
4.3	Survey tabulation and analyses winter/spring 2020. Analysis and tabulation of estimation year data (traffic counts, SE data, PASA parking)	Collection of network data and development of networks	Develop TRMv7: model applications completed	Develop TRMv7: initial model calibration and validation begins	Develop TRMv7: develop application tools for plan evaluation & air quality analysis
4.4	Support MPO 2045 MTP model application and demand forecasts.	Maintain/enhance TRMv6: develop addional tools for application	Develop TRMv7: continue estimating models for tour mode choice		2020 census TAZ delineation
4.5	Maintain/enhance TRMv6.x: develop improved parking model	Develop TRMv7: begin developing/adapting application programs for population synthesizer/tour-activity scheduler/router			

DCHC MPO 5-Year Unified Planning Work Program
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	1	2	3	4	5
FY	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**
Period	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**
	July 1, 2019-June 30, 2020	**July 1, 2020-June 30, 2021**	**July 1, 2021-June 30, 2022**	**July 1, 2022-June 30, 2023**	**July 1, 2023-June 30, 2024**
4.6	Develop TRMv7: investigate/specify tour/activity scheduler/router	Develop TRMv7: begin model estimation and calibration for usual work and school location, activity scheduler, and router			
	Develop TRMv7: begin preparing data for estimation				
	Develop TRMv7: available data will be entered in selected data structure				
4.7					
5	**Bicycle & Pedestrian Planning**	**Bicycle & Pedestrian Planning**	**Bicycle & Pedestrian Planning**	**Bicycle & Pedestrian Planning**	**Bicycle & Pedestrian Planning**
5.1	On-going bike and pedestrian advocacy	On-going bike and pedestrian advocacy	On-going bike and pedestrian advocacy	On-going bike and pedestrian advocacy	On-going bike and pedestrian advocacy
5.2	on-going implementation of the bike and pedestrian plans	on-going implementation of the bike and pedestrian plans	on-going implementation of the bike and pedestrian plans	on-going implementation of the bike and pedestrian plans	on-going implementation of the bike and pedestrian plans
5.3	On-going bike-pedstrian programs monitoring of strategies & effectiveness	On-going bike-pedstrian programs monitoring of strategies & effectiveness	On-going bike-pedstrian programs monitoring of strategies & effectiveness	On-going bike-pedstrian programs monitoring of strategies & effectiveness	On-going bike-pedstrian programs monitoring of strategies & effectiveness
6	**Short-Range Transit Plan**	**Short-Range Transit Plan**	**Short-Range Transit Plan**	**Short-Range Transit Plan**	**Short-Range Transit Plan**
6.1	On-going transit planning process	On-going transit planning process	On-going transit planning process	On-going transit planning process	On-going transit planning process
6.2	Administration of the Staff Working Group (SWG) and support to the Tax districts revenues	Administration of the Staff Working Group (SWG) and support to the Tax districts revenues	Administration of the Staff Working Group (SWG) and support to the Tax districts revenues	Administration of the Staff Working Group (SWG) and support to the Tax districts revenues	Administration of the Staff Working Group (SWG) and support to the Tax districts revenues
6.3	Update, implementation and oversight of Durham and Orange Transit Plans.	Update, implementation and oversight of Durham and Orange Transit Plans.	Update, implementation and oversight of Durham and Orange Transit Plans.	Update, implementation and oversight of Durham and Orange Transit Plans.	Update, implementation and oversight of Durham and Orange Transit Plans.
7	**Congestion Management Process (CMS/CMP)**	**Congestion Management Process (CMS/CMP)**	**Congestion Management Process (CMS/CMP)**	**Congestion Management Process (CMS/CMP)**	**Congestion Management Process (CMS/CMP)**
7.1	On-going update and enhancement of the MPO Mobility Report Card (MRC)	MRC report and AGOL	On-going update and enhancement of the MPO Mobility Report Card (MRC)	MRC report and AGOL	On-going update and enhancement of the MPO Mobility Report Card (MRC)
7.2	On-going CMP monitoring of strategies & effectiveness	On-going CMP monitoring of strategies & effectiveness	On-going CMP monitoring of strategies & effectiveness	On-going CMP monitoring of strategies & effectiveness	On-going CMP monitoring of strategies & effectiveness
7.3		Update of area of incluence and congestion networks. Application & reevaluation of definition of congestion		Update of area of incluence and congestion networks. Application & reevaluation of definition of congestion	
7.4		Transportation system definition (modes & networks)		Transportation system definition (modes & networks)	
7.5		Transportation system definition (modes & networks)		Transportation system definition (modes & networks)	
7.6	Data collection & analysis for MPO CMS Update	Data collection & analysis for MPO CMS Update	Data collection & analysis for MPO CMS Update	Data collection & analysis for MPO CMS Update	Data collection & analysis for MPO CMS Update
7.7	Update Performance monitoring Plan	Develop Performance monitoring Plan	Update Performance monitoring Plan	Develop Performance monitoring Plan	Develop Performance monitoring Plan
7.8	update Identification and evaluation of strategies.	Identification and evaluation of strategies.	update Identification and evaluation of strategies.	Identification and evaluation of strategies.	Identification and evaluation of strategies continues
7.9		Action plan for monitoring effectiveness of strategies		Action plan for monitoring effectiveness of strategies	
7.10		Public comment and adoption of the MPO CMS		Public comment and adoption of the MPO CMS	Public comment and adoption of the MPO CMS
8	**TIP**	**TIP**	**TIP**	**TIP**	**TIP**
	Develop 2020-2029 MTIP including public input and comment process	Submit SPOT 6 Division Needs points assignment	Develop 2022-2031 MTIP including public input and comment process	Submit SPOT 7 Division Needs points assignment	Develop 2024-2033 MTIP including public input and comment process

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July 1, 2019 to June 30, 2024

	1	2	3	4	5
FY	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**
Period	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**
	July 1, 2019-June 30, 2020	**July 1, 2020-June 30, 2021**	**July 1, 2021-June 30, 2022**	**July 1, 2022-June 30, 2023**	**July 1, 2023-June 30, 2024**
	Review SPOT 6 (2022-2031) project submissions and prepare comparative analysis	One-on-one discussion between the MPO and NCDOT	Review SPOT 7 (2024-2033) project submissions and prepare comparative analysis	One-on-one discussion between the MPO and NCDOT	Review SPOT 8 (2026-2035) project submissions and prepare comparative analysis
	Develop & submit TIP Project Priority List for SPOT 6 (2022-2031 TIP)	Adopt 2022-2031 STIP	Develop & submit TIP Project Priority List for SPOT 7 (2024-2033 TIP)	Adopt 2024-2033 STIP	Develop & submit TIP Project Priority List for SPOT 8 (2024-2033 TIP)
	Update TIP ranking & project prioritization methodology as necessary		Update TIP ranking & project prioritization methodology as necessary		Update TIP ranking & project prioritization methodology as necessary
	Submit SPOT 6 Regional Impact points assignment		Submit SPOT 7 Regional Impact points assignment		Submit SPOT 8 Regional Impact points assignment
9	**Title VI/Civil Rights/EJ**	**Title VI/Civil Rights/EJ**	**Title VI/Civil Rights/EJ**	**Title VI/Civil Rights/EJ**	**Title VI/Civil Rights/EJ**
	Continuous update of Title VI programs, including Assurance Certification, EJ and LEP	Continuous update of Title VI programs, including Assurance Certification, EJ and LEP. Evaluate effectiveness of programs and outreach efforts	Continuous update of Title VI programs, including Assurance Certification, EJ and LEP. Evaluate effectiveness of programs and outreach efforts	Update EJ Plan and LEP program, and evaluate effectiveness of program and outreach efforts	Continuous update of Title VI programs, including Assurance Certification, EJ and LEP. Evaluate effectiveness of programs and outreach efforts
	Update EJ and LEP outreach mailing list	Update EJ and LEP outreach mailing list	Update EJ and LEP outreach mailing list	Update EJ and LEP outreach mailing list	Update EJ and LEP outreach mailing list
	Administer and monitor MPO EJ/LEP program	Administer and monitor MPO EJ/LEP program	Administer and monitor MPO EJ/LEP program	Administer and monitor MPO EJ/LEP program	Administer and monitor MPO EJ/LEP program
	Evaluate and Perform EJ analysis, impacts as needed	Evaluate and Perform EJ analysis, impacts as needed	Evaluate and Perform EJ analysis, impacts as needed	Evaluate and Perform EJ analysis, impacts as needed	Evaluate and Perform EJ analysis, impacts as needed
	Update EL/LEP demographic profile and database	Update EL/LEP demographic profile and database	Update EL/LEP demographic profile and database	Update EL/LEP demographic profile and database	Update EL/LEP demographic profile and database
10	**Public Involvement/Participation Plan (PIP/PPP)**	**Public Involvement/Participation Plan (PIP/PPP)**	**Public Involvement/Participation Plan (PIP/PPP)**	**Public Involvement/Participation Plan (PIP/PPP)**	**Public Involvement/Participation Plan (PIP/PPP)**
	Review and evaluate effectiveness of MPO Public Involvement Process	Review and evaluate effectiveness of MPO Public Involvement Process	Review and evaluate effectiveness of MPO Public Involvement Process	Review and evaluate effectiveness of MPO Public Involvement Process	Review and evaluate effectiveness of MPO Public Involvement Process
	Social media in MPO public outreach and input process	Social media in MPO public outreach and input process	Social media in MPO public outreach and input process	Social media in MPO public outreach and input process	Social media in MPO public outreach and input process
	On-going MPO website update and content management	On-going MPO website update and content management	On-going MPO website update and content management	On-going MPO website update and content management	On-going MPO website update and content management
11	**Project Development & Incidental Planning**	**Project Development & Incidental Planning**	**Project Development & Incidental Planning**	**Project Development & Incidental Planning**	**Project Development & Incidental Planning**
	Participation in project development, environmental analysis, NEPA process and studies	Participation in project development, environmental analysis, NEPA process and studies	Participation in project development, environmental analysis, NEPA process and studies	Participation in project development, environmental analysis, NEPA process and studies	Participation in project development, environmental analysis, NEPA process and studies
	Pre-TIP project planning and coordination	Pre-TIP project planning and coordination	Pre-TIP project planning and coordination	Pre-TIP project planning and coordination	Pre-TIP project planning and coordination
12	**Land-use & Transportation integration**	**Land-use & Transportation integration**	**Land-use & Transportation integration**	**Land-use & Transportation integration**	**Land-use & Transportation integration**
	Community Viz and UrbanSim implementaion, maintenance and update	Community Viz and UrbanSim implementaion, maintenance and update	Community Viz and UrbanSim implementaion, maintenance and update	Community Viz and UrbanSim implementaion, maintenance and update	Community Viz and UrbanSim implementaion, maintenance and update
	Monitoring of land use development and consistency check with SE forecasts	Monitoring of land use development and consistency check with SE forecasts	Monitoring of land use development and consistency check with SE forecasts	Monitoring of land use development and consistency check with SE forecasts	Monitoring of land use development and consistency check with SE forecasts
13	**Intelligent Transportation System Planning**	**Intelligent Transportation System Planning**	**Intelligent Transportation System Planning**	**Intelligent Transportation System Planning**	**Intelligent Transportation System Planning**
	Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance	Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance	Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance	Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance	Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance
	ITS planning, operation and monitoring	ITS planning, operation and monitoring	ITS planning, operation and monitoring	ITS planning, operation and monitoring	ITS planning, operation and monitoring
14	**Safety Planning**	**Safety Planning**	**Safety Planning**	**Safety Planning**	**Safety Planning**

DCHC MPO 5-Year Unified Planning Work Program
July 1, 2019 to June 30, 2024

	1	2	3	4	5
FY	**FY 2020**	**FY 2021**	**FY 2022**	**FY 2023**	**FY 2024**
Period	**2019-20**	**2020-21**	**2021-22**	**2022-23**	**2023-24**
	July 1, 2019-June 30, 2020	**July 1, 2020-June 30, 2021**	**July 1, 2021-June 30, 2022**	**July 1, 2022-June 30, 2023**	**July 1, 2023-June 30, 2024**
	Safety data collection and analysis, and coordination with other agencies.	Safety data collection and analysis, and coordination with other agencies.	Safety data collection and analysis, and coordination with other agencies.	Safety data collection and analysis, and coordination with other agencies.	Safety data collection and analysis, and coordination with other agencies.
14.1	Development of the MPO Safety plan to reflect State Highway Safety initiatives	Update MPO Safety plan and incorporate features of Vision Plan.	Update MPO Safety plan and incorporate features of Vision Plan.	Update MPO Safety plan and incorporate features of Vision Plan.	Update MPO Safety plan and incorporate features of Vision Plan.
	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process
15	**Freight Planning**	**Freight Planning**	**Freight Planning**	**Freight Planning**	**Freight Planning**
	Ongoing freight planning and coordination	Ongoing freight planning and coordination	Ongoing freight planning and coordination	Ongoing freight planning and coordination	Ongoing freight planning and coordination
	Outreach with freight and logistic companies	Outreach with freight and logistic companies	Outreach with freight and logistic companies	Outreach with freight and logistic companies	Outreach with freight and logistic companies
	Continuous update of truck circulation maps	Continuous update of truck circulation maps	Continuous update of truck circulation maps	Continuous update of truck circulation maps	Continuous update of truck circulation maps
16	**Transportation System Preservation**	**Transportation System Preservation**	**Transportation System Preservation**	**Transportation System Preservation**	**Transportation System Preservation**
	Transportation System Preservation planning and operation	Transportation System Preservation planning and operation	Transportation System Preservation planning and operation	Transportation System Preservation planning and operation	Transportation System Preservation planning and operation
	TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation	TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation	TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation	TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation	TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation
17	**GIS Development**	**GIS Development**	**GIS Development**	**GIS Development**	**GIS Development**
	Maintain Databases	*Maintain Databases*	*Maintain Databases*	*Maintain Databases*	*Maintain Databases*
	Maintain Databases	Acquire and Maintain Data; maintain hardware and software	Acquire and Maintain Data; maintain hardware and software	Acquire and Maintain Data; maintain hardware and software	Acquire and Maintain Data; maintain hardware and software
	Maintenance of MPO GIS and data layers	Maintenance of MPO GIS and data layers	Maintenance of MPO GIS and data layers	Maintenance of MPO GIS and data layers	Maintenance of MPO GIS and data layers
	Coordination with resource agencies and linkages of transportation data with environmental data	Coordination with resource agencies and linkages of transportation data with environmental data	Coordination with resource agencies and linkages of transportation data with environmental data	Coordination with resource agencies and linkages of transportation data with environmental data	Coordination with resource agencies and linkages of transportation data with environmental data
	Update green print maps	Update green print maps	Update green print maps	Update green print maps	Update green print maps
	Data development and update. Maintenance and update of spatial geodatabase applications and AGOL.	Data development and update. Maintenance and update of spatial geodatabase applications and AGOL.	Data development and update. Maintenance and update of spatial geodatabase applications and AGOL.	Data development and update. Maintenance and update of spatial geodatabase applications and AGOL.	Data development and update. Maintenance and update of spatial geodatabase applications and AGOL.
18	**Management and Operations**	**Management and Operations**	**Management and Operations**	**Management and Operations**	**Management and Operations**
	Management and Operations of the MPO 3-C process	Management and Operations of the MPO 3-C process	Management and Operations of the MPO 3-C process	Management and Operations of the MPO 3-C process	Management and Operations of the MPO 3-C process
	Board directives	Board directives	Board directives	Board directives	Board directives
19	**Special Studies/State & Regional Planning**	**Special Studies/State & Regional Planning**	**Special Studies/State & Regional Planning**	**Special Studies/State & Regional Planning**	**Special Studies/State & Regional Planning**
		NC 751 Corridor Study	NC 751 Corridor Study		

Town of Carrboro

	Task Description	STBGP 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
		Local	FHWA	Local	FHWA	Local	NCDOT	FTA	Local	NCDOT	FTA	Local	NCDOT	Federal	Total
		20%	80%	20%	80%	10%	10%	80%	10%	10%	80%				
II-A	**Surveillance of Change**														
1	Traffic Volume Counts	$500	$2,000	$0	$0	$0	$0	$0	$0	$0	$0	$500	$0	$2,000	$2,500
2	Vehicle Miles of Travel	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Street System Changes	$100	$400	$0	$0	$0	$0	$0	$0	$0	$0	$100	$0	$400	$500
4	Traffic Crashes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	Transit System Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	Dwelling Unit, Pop. & Emp. Change	$120	$480	$0	$0	$0	$0	$0	$0	$0	$0	$120	$0	$480	$600
7	Air Travel	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	Vehicle Occupancy Rates	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	Travel Time Studies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Mapping	$600	$2,400	$0	$0	$0	$0	$0	$0	$0	$0	$600	$0	$2,400	$3,000
11	Central Area Parking Inventory	$200	$800	$0	$0	$0	$0	$0	$0	$0	$0	$200	$0	$800	$1,000
12	Bike & Ped. Facilities Inventory	$240	$960	$0	$0	$0	$0	$0	$0	$0	$0	$240	$0	$960	$1,200
13	Bike & Ped. Counts	$300	$1,200	$0	$0	$0	$0	$0	$0	$0	$0	$300	$0	$1,200	$1,500
		$0	$0												
II-B	**Long Range Transp. Plan (MTP)**	$0	$0												
1	Collection of Base Year Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Collection of Network Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Travel Model Updates	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Travel Surveys	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	Forecast of Data to Horizon year	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	Community Goals & Objectives	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	Forecast of Futurel Travel Patterns	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	Capacity Deficiency Analysis	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	Highway Element of th MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Transit Element of the MTP	$300	$1,200	$0	$0	$0	$0	$0	$0	$0	$0	$300	$0	$1,200	$1,500
11	Bicycle & Ped. Element of the MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	Airport/Air Travel Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	Collector Street Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
14	Rail, Water or other mode of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	Freight Movement/Mobility Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	Financial Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
17	Congestion Management Strategies	$220	$880	$0	$0	$0	$0	$0	$0	$0	$0	$220	$0	$880	$1,100
18	Air Qual. Planning/Conformity Anal.	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0												
II-C	**Short Range Transit Planning**	$0	$0												
1	Short Range Transit Planning	$660	$2,640	$0	$0	$0	$0	$0	$0	$0	$0	$660	$0	$2,640	$3,300
		$0	$0									$0	$0	$0	$0
III-A	**Planning Work Program**	$0	$0												
	Planning Work Program	$400	$1,600	$0	$0	$0	$0	$0	$0	$0	$0	$400	$0	$1,600	$2,000
		$0	$0									$0	$0	$0	$0
III-B	**Transp. Improvement Plan**	$0	$0												
	TIP	$1,000	$4,000	$0	$0	$0	$0	$0	$0	$0	$0	$1,000	$0	$4,000	$5,000
		$0	$0									$0	$0		
III-C	**Cvl Rgts. Cmp./Otr .Reg. Reqs.**	$0	$0												
1	Title VI	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Environmental Justice	$80	$320	$0	$0	$0	$0	$0	$0	$0	$0	$80	$0	$320	$400
3	Minority Business Enterprise	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Planning for the Elderly & Disabled	$80	$320	$0	$0	$0	$0	$0	$0	$0	$0	$80	$0	$320	$400
5	Safety/Drug Control Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	Public Involvement	$900	$3,600	$0	$0	$0	$0	$0	$0	$0	$0	$900	$0	$3,600	$4,500
7	Private Sector Participation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0												
III-D	**Incidental Plng./Project Dev.**	$0	$0												
1	Transportation Enhancement Plng.	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Enviro. Analysis & Pre-TIP Plng.	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Special Studies	$400	$1,600	$0	$0	$0	$0	$0	$0	$0	$0	$400	$0	$1,600	$2,000
4	Regional or Statewide Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0												
III-E	**Management & Operations**	$0	$0												
1	Management & Operations	$320	$1,280	$0	$0	$0	$0	$0	$0	$0	$0	$320	$0	$1,280	$1,600
Totals		$6,420	$25,680	$0	$0	$0	$0	$0	$0	$0	$0	$6,420	$0	$25,680	$32,100

Town of Carrboro
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

II-A-1 Traffic Volume Counts

The Town will provide local traffic count data, collected for various local planning purposes, as needed for the Congestion Management Process or other MPO activities. The Town will also conduct additional traffic counts, as needed, for other plans or studies that relate to traffic congestion or safety.

Objectives

To collect local traffic count data relevant to the CMP, TRM model analysis, and-or local traffic studies.

Previous Work

Work done over previous years

Proposed Activities

1. Collect traffic data using Town counters and manual bike-ped counting
2. Provide traffic data and reports as needed for the previously mentioned MPO activities
3. Work with LPA staff on determining best traffic count locations for MRC and other studies
4. Continue to collect traffic data relating to local traffic calming requests
5. Collect traffic data for major proposed developments (Lloyd Farm and Old 86/Eubanks Rd FLX)

Products

Traffic volume data from as recent a year as possible

Relationship to other plans and MPO activities

Data will be used for the CMP and MRC. Counts may be helpful in determining focus areas for TDM strategies, the Triangle Regional Model (TRM), and the Town's conceptual Slow Zone plan.

Proposed budget and level of effort

All work to be completed by Transportation Planner. Local Staff hours: 60 hours

Task II-A-3: Street System Mileage (STBG-DA)

Assemble the municipality street system changes from the last reporting year and data to the LPA.

Objectives

To maintain a current shapefile of Carrboro's street system and provide data to the LPA.

Previous Work

The Town will have submitted a current shapefile of the street system to the LPA.

Proposed Activities

1. Track changes to Carrboro's street system and maintain shapefile of current street system
2. Submit data to LPA with 4th quarter reports

Products

Provide the municipality's street system data to the LPA as part the 4th quarter progress report.

Relationship to other plans and MPO activities

Data can be used for CMP and regional TRM, as well as for various Town studies.

Proposed budget and level of effort

60 percent of work to be completed by GIS Analyst, 40 percent of work to be completed by Transportation Planner. Local Staff hours: 10 hours

Town of Carrboro
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

II-A-6 Dwelling Unit, Population and Employment Change

The Town will review population and employment change data estimated by the Community Viz 2.0 process and-or dwelling unit, population, and employment data relevant to the next MTP and the Triangle Regional Model (TRM). The Town will also collect monthly development review activities, building permit and Certificate of Occupancy (CO) data.

Objectives
To review dwelling unit, population, and employment data as part of the 2045 MTP, and the Travel Behavior Survey (TBS) of the Triangle Regional Model (TRM) processes and provide local development data to LPA.

Previous Work
In FY 2016 and again in 2018, the Town submitted place type and development status information to the LPA and reviewed population and employment control totals for use in the 2040 and 2045 MTP.

Proposed Activities
1. Review data generated by the TBS household survey
2. Use CommunityViz 2.0 to further analyze future development scenarios in the subregion that includes Carrboro
3. Collect monthly development review activities, building permits, and COs and submit to LPA

Products
1. Tabulation of development review proposals, building permits, and Certificate of Occupancies
2. Submit monthly data to the LPA and in summarize data in the quarterly progress report

Relationship to other plans and MPO activities
Relates to 2045 MTP and TRM processes.

Proposed budget and level of effort
90 percent of work to be completed by Transportation Planner, 10 percent of work to be completed by GIS Analyst. Local staff hours: 15 hours

II-A-10 Mapping

Staff will update geo-spatial mapping for SE data, development proposals/permits/COs, bike-pedestrian networks and facilities, highway element of the 2045 MTP, transit element of the 2045 MTP, etc.

Objectives
To support mapping activities for the 2045 MTP and generate maps as needed for other MPO or Town transportation planning tasks.

Previous Work
The Town provided local socioeconomic data for the 2040 and 2045 MTPs. Reviewed and modified CommunityViz 2040 and 2045 MTP place type and development status categories. The Town edited employment shapefile in Employment Analyst in preparation for the 2045 MTP, analyzed residential and employment density in the vicinity of bus stops for the Orange County Bus and Rail Investment Plan, provided downtown Carrboro parking inventory maps, and regularly updated transportation shapefiles based on new developments and completed projects.

Town of Carrboro
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Proposed Activities

1. Review results of Community Viz 2.0 and edit data as necessary
2. Review maps made for the MTP, CTP, and other MPO-related activities
3. Provide any data or maps as requested by the LPA
4. Maintain current GIS data for all transportation planning activities in Carrboro

Products

1. Generate the following GIS shape files, SE data, development review/proposals, permits, COs, bike-pedestrian networks and facilities, data collection location base maps, etc.
2. Update of geodatabase of transit routes and stops, highway element of the MTP, bike-pedestrian element of the MTP, etc.

Relationship to other plans and MPO activities
2045 MTP, Carrboro Parking Plan, CHT NS-BRT Project, 2018 Bicycle Plan Update, Town Comprehensive Plan

Proposed budget and level of effort
80 percent of work to be completed by the GIS Analyst, 20 percent of work to be completed by Transportation Planner. Local staff hours: 65 hours

II-A-11 Central Area Parking Inventory
Town staff will inventory on- and off-street parking facilities in the Central Business Districts (CBD) and universities. Parking data to be collected include, number of spaces, parking fee rates (hourly daily, and monthly), average weekday costs and demand/occupancy.

Objectives
To develop and maintain a complete inventory of public and private parking spaces in downtown Carrboro, and in other areas as needed. Parking inventory well be analyzed before, during, and after construction of the 203 South Greensboro project to determine the effectiveness of strategies aiming to partner with local businesses who have excess parking available and facilitate their use to meet current and future parking needs.

Previous Work
The Town maintains an inventory of all municipal parking spaces. Parking studies and inventories were conducted by UNC graduate students in 2008 and 2014. In 2015-2016 the Town enlisted a consultant to conduct a major parking inventory and study of the downtown area.

Proposed Activities

1. Database of parking facilities, GIS shape files containing parking data
2. Use recommendations from parking study to inform Town parking policies

Products

1. Shapefile and spreadsheet with parking space count data and attributes

Relationship to other plans and MPO activities
Carrboro Downtown Parking Study, 2045 MTP, Bicycle Plan Update, Town Comprehensive Plan

Proposed budget and level of effort
50 percent of work to be completed by GIS Analyst, 50 percent of work to be completed by Transportation Planner. Local staff hours: 25 hours

Town of Carrboro
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

II-A-12 Bike and Pedestrian Facilities Inventory
The Town will update mapping for bike and pedestrian facilities inventory

Objectives
To make current the Town's GIS data on bicycle and pedestrian facilities and to provide up-to-date bicycle and pedestrian facilities information to LPA staff.

Previous Work
The Town has collected bicycle and pedestrian facility data for a number of planning processes, including previous MTPs, the CTP, and the 2009 Carrboro Bicycle Transportation Plan and 2018 Bike Plan Update.

Proposed Activities
1. Add features to GIS shapefiles of bicycle facilities and sidewalks
2. Send data as needed to LPA staff in development of the MTP or other MPO planning processes

Products
1. Updated bike-pedestrian GIS maps and attributes, including trails
2. Updated geodatabase of bike-pedestrian inventory
3. Collect bike-pedestrian facility information for SPOT, CMAQ/TAP funding

Relationship to other plans and MPO activities
Bicycle and pedestrian facility data is an important part of the bicycle and pedestrian element of the MTP, CTP, and numerous Town plans and programs. Monitoring changes in the town bike/ped network after the adoption of the 2018 Bike Plan update will be especially important.

Proposed budget and level of effort
60 percent of work to be completed by Transportation Planner, 40 percent of work to be completed by GIS Analyst. Local staff hours: 30 hours

II-A-13 Bicycle and Pedestrian Counts
The Town will contribute existing bicycle and pedestrian traffic information for local and regional planning processes as needed. The Town will continue to conduct bike and pedestrian counts as part of the traffic calming process and Safe Routes to School program.

Objectives
To collect continuous, reliable pedestrian and bicycle volume data that can be averaged over time and disaggregated for independent variables such as month, time, and weather. The Town will also supply bicycle and pedestrian travel data for regional planning processes.

Previous Work
The Town has collected bicycle and pedestrian data for a number of planning processes, including the 2009 Comprehensive Bicycle Transportation Plan and regional Mobility Report Card. The Town participated in a pilot program with the MPO/ITRE that installed pedestrian and bicycle counters on the Libba Cotten Bikeway and on Old NC 86, just north of the intersection with Old Fayetteville Road, and assumed control of these counters in Winter of 2016. Reports on trends in the data collected from the ITRE counters is provided to the Carrboro Board of Aldermen when requested.

Town of Carrboro
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Proposed Activities

1. Review data collected by bike-ped counters previously installed by ITRE/MPO, and use counts for Town analysis and MPO data collection
2. Continue to conduct bicycle and pedestrian counts
3. Work with LPA staff to coordinate additional data collection efforts

Products
Spreadsheets or tally sheets with bicycle and pedestrian counts

Relationship to other plans and MPO activities
2045 MTP, CTP, Mobility Report Card, 2018 Bike Plan Update, Town Comprehensive Plan

Proposed budget and level of effort
All work to be completed by Transportation Planner. Local staff hours: 35 hours

II-B-10 Transit Element of the MTP
Support of the evaluation of the transit element of the 2045 MTP, including DO-LRT, Commuter rail and BRT activities.

Objectives
To provide input and evaluate the transit element of the 2045 MTP and participate in regional planning efforts related to the DO-LRT, Commuter rail and Bus Rapid Transit.

Previous Work
Town staff has participated in regional planning efforts related to the DO-LRT, Chapel Hill Bus Rapid Transit, Orange County Bus and Rail Investment Plan, and other transit projects.

Proposed Activities

1. Town staff will assist in the evaluation of transit preferred options, update of the 2045 transit tables and attributes, and geodatabase of transit preferred option, and final 2045 projects
2. Assist with public outreach related to transit projects, organize/reserve meeting spaces
3. Provide updates on transit projects to the Town's Advisory Boards

Products

1. Evaluation of transit preferred options
2. Update 2045 transit tables and attributes
3. Update of geodatabase of transit preferred option and final 2045 projects

Relationship to other plans and MPO activities
2045 MTP, CTP, Orange County Transit Plan

Proposed budget and level of effort
70 percent of work to be completed by Transportation Planner, 30 percent of work to be completed by Planning Administrator. Local staff hours: 35 hours

II-B-17 Congestion Management Strategies
The MPO is maintaining a Congestion Management Process (CMP) to address congestion within the metropolitan area boundary. The Town will contribute planning resources to this process as well as the Mobility Report Card and continued analysis of downtown Carrboro congestion.

Town of Carrboro
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Objectives
To contribute to the ongoing development of the CMP, MRC, and continue research and analysis on downtown Carrboro traffic level of service (LOS).

Previous Work
The Town has contributed to the CMP and previous Mobility Report Cards. The Town has also conducted a number of local studies related to traffic and congestion within Town boundaries. Town staff has also worked on Transportation Demand Management efforts as a strategy for decreasing congestion.

Proposed Activities
1. Evaluation of CMP and MRC networks
2. Review of products and analyses
3. Provide GIS shape files

Products
1. GIS shapefile of sub-areas
2. Local and transit data as needed

Relationship to other plans and MPO activities
CMP, 2045 MTP, Mobility Report Card, Parking Study, Town Comprehensive Plan

Proposed budget and level of effort
60 percent of work to be completed by Transportation Planner, 40 percent of work to be completed by Planning Administrator. Local staff hours: 25 hours

II-C-1 Short Range Transit Planning
The Town will participate in short-range transit planning for the region, with a focus on the Chapel Hill-Carrboro area. Through the Transit Partners Committee, the Town will provide input on Chapel Hill Transit planning initiatives, including the Bus Rapid Transit project. The Town will coordinate with Orange County, GoTriangle, and the MPO on the update and implementation of the Orange County Transit Plan and the DO-LRT.

Objectives
To ensure that Carrboro plays a key role in Chapel Hill Transit planning, capital investment, and operations by continuing to work with Chapel Hill Transit on the NS-BRT and other new initiatives, short range planning, public involvement, and troubleshooting. The Town will also assist as needed in implementation of the Orange County Transit Plan and the DO-LRT, coordinating with Orange County, GoTriangle, and the MPO.

Previous Work
Town of Carrboro elected officials, advisory board members, and staff regularly attend Chapel Hill Transit Partners Committee meetings and N-S BRT Study meetings. The Town has provided input into initiatives such as the Comprehensive Operations Analysis, Eubanks Road Park-and-Ride Feasibility Study, and others. The Town worked with GoTriangle to begin peak-hour bus service from Carrboro to Durham.

Proposed Activities
1. Continue to participate in Transit Partners Committee
2. Attend staff working group meetings to update the Orange County Transit Plan

Town of Carrboro
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

3. Coordinate with Durham-Orange Transit Plan Staff Working Group on service improvements and capital projects as part of the DO-LRT project, including providing information on transit access and service priorities
4. Review on-board transit survey information as it pertains to Carrboro and Carrboro ridership as part of the short-range and long-range planning efforts
5. Work with LPA staff on the 5-year plan

Products
1. 5-Year plan, System performance report, and GIS shape files of routes and proposed changes

Relationship to other plans and MPO activities
Orange County Transit Plan, 2045 MTP, CHT N-S BRT, CHT SRTP, DO-LRT

Proposed budget and level of effort
65 percent of work to be completed by Transportation Planner , 35 percent of work to be completed by Planning Administrator. Local staff hours: 75 hours

III-A-1 Planning Work Program
The Town will administer the FY 2020-2021 UPWP, and prepare and process amendments as needed. Working with MPO staff, Town staff will identify transportation planning emphasis areas for the subsequent fiscal year and prepare the FY 2021-2022 UPWP. Town staff will participate in UPWP oversight meetings with MPO staff and staff from other MPO member jurisdictions.

Objectives
To track and report on Carrboro's 2020-2021 UPWP activities, and process amendments to the UPWP if necessary. The Town will submit Carrboro's portion of the 2020-2021 UPWP to the MPO and participate in oversight of the UPWP process.

Previous Work
Town staff has prepared UPWPs each year and tracked the completion of UPWP tasks with quarterly progress reports. Progress reports have made clear how much funding remains for tasks in the fiscal year, guiding whether or not amendments are necessary. Town staff has also participated in LPA oversight meetings.

Proposed Activities
1. Complete quarterly reports for the 2020-2021 UPWP
2. Complete amendment spreadsheets as needed
3. Prepare Carrboro's 2021-2022 UPWP documents and budget
4. Attend LPA oversight meetings and review documents

Products
1. Development of draft and final FY21 UPWP
2. Quarterly invoices and reports
3. Amendment of UPWP as necessary
4. Transmittal of documentation, work products/deliverable highlighted elsewhere to the LPA

Relationship to other plans and MPO activities
Required by federal law, the UPWP is the mechanism for regional transportation planning and coordination in the MPO. It allocates a portion of STP-DA and transit funding received by the MPO for planning activities.

Town of Carrboro
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Proposed budget and level of effort
70 percent of work to be completed by Transportation Planner, 30 percent of work to be completed by Planning Administrator. Local staff hours: 50 hours

III-B-1 TIP
Town staff will continue to implement planning, design, and construction of TIP projects. Town staff will assist with MTIP development and SPOT 6.0 activities.

Objectives
To facilitate timely progress on TIP projects and process amendments when necessary. The Town will continue to participate in review and coordination regarding the SPOT 6.0 prioritization process.

Previous Work
The Wilson Park Multi-use Path (U-4726-DF) is a recently-completed TIP project, the Homestead-Chapel Hill High School Multi-use Path (U-4726-DE) was completed in late 2018, and Bike/Ped improvements at the Franklin St/Brewer/Merritt Mill intersection are expected to be complete by the end of 2019. Projects currently underway include Morgan Creek Greenway Phases 1 and 2 (EL-4828), the Rogers Road Sidewalk (U-4726-DD), Bicycle Loop Detectors (U-4726-DF), and Jones Creek Greenway (C-5181), Operational Improvements along NC 54 from Old Fayetteville Rd to Orange Grove Road (R-5821A), Intersection Improvements at NC 54/Old Fayetteville Road (U-6070), and Bike/Ped Improvements along Estes Drive (EB-5886A).

Proposed Activities
1. Continue implementation of projects currently underway
2. Process MTIP amendments as necessary
3. Assist in SPOT 6.0 process

Products
1. 2020-2029 MTIP local agencies' supplement and MTIP amendments
2. Summary of public involvement activities
3. STP-DA/TAP project delivery status, and STP-DA obligated projects
4. SPOT-6 local prioritization and points assignments

Relationship to other plans and MPO activities
2020-2029 TIP, 2045 MTP, Orange County Transit Plan

Proposed budget and level of effort
70 percent of work to be completed by Transportation Planner, 30 percent of work to be completed by Planning Administrator. Local staff hours: 115 hours

III-C-2 Environmental Justice
Assist with the implementation of the MPO Environmental Justice and Limited English Proficiency programs within the Town of Carrboro. Ensure adequate public outreach and input by low income and minorities (EJ communities) in Carrboro.

Objectives
To assist MPO in implementing Environmental Justice plan to ensure equity in MPO planning processes.

Town of Carrboro
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Previous Work
MPO staff created an Environmental Justice report in 2015 as part of the federal re-certification process. In 2018, Carrboro staff developed neighborhood specific outreach plans for the Rogers Road sidewalk project, crafted inclusive stakeholder lists for the NC 54 West Corridor Study, and facilitated public outreach related to Town Code and Land Use Ordinance

Proposed Activities
1. Assist with the implementation of the MPO Environmental Justice and LEP programs
2. Assist with outreach and ensure inclusive representation during the Town's Comprehensive Plan development

Products
1. Updated EJ/LEP mailing list (address and email) - community and groups
2. Summary of EJ/LEP outreach and analysis
3. Update demographic profile based local data of EJ/LEP community in Carrboro

Relationship to other plans and MPO activities
MPO Environmental Justice Plan, Title VI

Proposed budget and level of effort
60 percent of work to be completed by Transportation Planner, 30 percent of work to be completed by Planning Administrator, 10 percent of the work to be completed by the GIS Analyst. Staff hours: 10 hours

III-C-4 Planning for the Elderly and Disabled
The Town will document ADA planning and outreach activities in Carrboro.

Objectives
To continue efforts to emphasize the planning, development, evaluation, and reevaluation of transportation facilities and services for the elderly and disabled.

Previous Work
Staff routinely responds to disabled and elderly citizen concerns regarding the transportation system, primarily related to paratransit and accessibility of infrastructure. Development plans are reviewed for compliance with ADA standards. Staff and residents conducted a walkability audit of the downtown as part of 2016 Parking Study. In 2018 town staff received inquiries about improving bus stop accessibility and coordinated with CHT to ensure those stops were included in their design contract with a consultant.

Proposed Activities
1. Update ADA mailing list and route maps showing ADA target areas
2. Continue to support sound planning and transit access for disabled and elderly residents

Products
1. Updated ADA mailing list, plan, or activities, and route maps showing ADA target areas

Relationship to other plans and MPO activities
Recognition of ADA-related needs in urban transportation is required by FHWA and FTA regulations.

Proposed budget and level of effort
60 percent of work to be completed by Transportation Planner, 25 percent of work to be completed by Planning Administrator, 15 percent of the work to be completed by the GIS Analyst. Staff hours: 10 hours

Town of Carrboro
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

III-C-6 Public Involvement

Ensure an early, proactive and a meaningful public participation and input throughout the transportation planning process in Carrboro, including providing the public with complete information, timely notice, full access to key decisions and opportunities for early and continuing involvement in the 3C process. Town staff will help assess the effectiveness of the current Public Involvement Process as required by the federal certification team. The Town will work to develop and enhance of the process of public dissemination of information.

Objectives

To provide opportunities for the public to contribute to the planning of local and regional transportation facilities, and to review and assist as needed with the Public Involvement Policy.

Previous Work

The Town has held citizens' informational workshops on many of its TIP projects under development the last few years. The Town coordinates with the MPO on public involvement for the MTP and TIP and with Chapel Hill Transit on service improvements and changes. The town performed substantial public outreach in 2019 in conjunction with updating the Bike Plan.

Proposed Activities

1. Update public involvement mailing list (and email address)
2. Hold public involvement activities for transportation projects
3. Collect data from the Town's interactive web-based maps
4. Facilitate Transportation Advisory Board meetings by creating agendas, minutes, and staff reports
5. Prepare materials and present to the local elected officials related to local and regional transportation planning topics

Products

1. Update public involvement mailing list (and email address)
2. Summary of public involvement activities, including means of advertisement, attendance, and response to comments
3. Report on the analysis of the effectiveness of the local agencies' public involvement
4. ADA checklist and activities
5. Staff reports for Board of Aldermen and advisory board meetings

Relationship to other plans and MPO activities

Public Involvement Policy, MTP, Bike Plan Update, Town Comprehensive Plan

Proposed budget and level of effort

65 percent of work to be completed by Transportation Planner, 35 percent of work to be completed by Planning Administrator, Staff hours: 100 hours

III-D-3 Special Studies

Town staff will continue to conduct special studies related to local transportation issues, including working towards updating the Town's bike plan. The Town will also assist MPO and other local staff in the oversight of a corridor study for NC 54 West.

Objectives

To work on implementation of the update bicycle plan, additional studies may be needed to analyze potential locations for new or improved bike facilities throughout the town. Additionally, the Town will

support analysis of downtown parking conditions based on the recommendations made in the Parking Plan and monitor conditions in downtown after the construction of the 203 S Greensboro project.

Previous Work
The Town has engaged in transportation-related studies such as the Comprehensive Bicycle Master Plan, the Bolin and Morgan Creek Greenway Conceptual Master Plans, the Safe Routes to School Action Plan, the Oak-Poplar Neighborhood Traffic Circulation Study, the West Main Street Road Diet Study, and the Downtown Carrboro Parking Study. The Town assisted in with the NC 54 West Corridor Study in 2017/18.

Proposed Activities
1. Analyze locations for bike improvements
2. Monitor downtown parking for 203 S Greensboro project
3. Review other Town plans and studies as necessary

Products
1. Data for use by MPO

Relationship to other plans and MPO activities
2045 MTP, CMP, 2009 Comprehensive Bicycle Plan, Town Comprehensive Plan

Proposed budget and level of effort
75 percent of work to be completed by Transportation Planner, 15 percent of work to be completed by Planning Administrator, 10 percent of work to be completed by GIS Analyst. Staff hours: 55 hours

III-E-1 Management and Operations
Administrative tasks necessary to maintaining the 3C planning process will be completed.

Objectives
To participate in and contribute to MPO-related meetings and adhere to the goals and tasks laid out in the Unified Planning Work Program. Town staff will ensure that elected officials have adequate information to make informed decisions on local and regional transportation issues. Town staff will also ensure the local transportation advisory board has the information it needs to develop sound recommendations on local and regional transportation issues. To improve staff efficiency and knowledge through training sessions and educational materials.

Previous Work
Similar to proposed activities described below.

Proposed Activities
1. Attend and participate in MPO Board and TC meetings
2. Staff development through professional training courses, seminars, and conferences
3. Attend and participate in MPO subcommittee meetings

Relationship to other plans and MPO activities
This task supports all plans and MPO activities.

Proposed budget and level of effort
75 percent of work to be completed by Transportation Planner , 25 percent of work to be completed by Planning Administrator. Local staff hours: 120

Town of Chapel Hill

	Task Description	STBGP 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local	NCDOT	Federal	Total
II-A	**Surveillance of Change**														
1	Traffic Volume Counts	$1,113	$4,451	$0	$0	$0	$0	$0	$0	$0	$0	$1,113	$0	$4,451	$5,564
2	Vehicle Miles of Travel	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Street System Changes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Traffic Crashes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	Transit System Data	$0	$0	$0	$0	$870	$870	$6,960	$0	$0	$0	$870	$870	$6,960	$8,700
6	Dwelling Unit, Pop. & Emp. Change	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	Air Travel	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	Vehicle Occupancy Rates	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	Travel Time Studies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Mapping	$2,319	$9,274	$0	$0	$3,410	$3,410	$27,280	$0	$0	$0	$5,729	$3,410	$36,554	$45,693
11	Central Area Parking Inventory	$649	$2,597	$0	$0	$0	$0	$0	$0	$0	$0	$649	$0	$2,597	$3,246
12	Bike & Ped. Facilities Inventory	$1,484	$5,935	$0	$0	$1,052	$1,052	$8,416	$0	$0	$0	$2,536	$1,052	$14,351	$17,939
13	Bike & Ped. Counts	$1,113	$4,451	$0	$0	$856	$856	$6,848	$0	$0	$0	$1,969	$856	$11,299	$14,124
		$0	$0			$0	$0	$0							
II-B	**Long Range Transp. Plan (MTP)**	$0	$0			$0	$0	$0							
1	Collection of Base Year Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Collection of Network Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Travel Model Updates	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Travel Surveys	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	Forecast of Data to Horizon year	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	Community Goals & Objectives	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	Forecast of Futurel Travel Patterns	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	Capacity Deficiency Analysis	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	Highway Element of the MTP	$2,040	$8,161	$0	$0	$0	$0	$0	$0	$0	$0	$2,040	$0	$8,161	$10,201
10	Transit Element of the MTP	$0	$0	$0	$0	$952	$952	$7,616	$0	$0	$0	$952	$952	$7,616	$9,520
11	Bicycle & Ped. Element of the MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	Airport/Air Travel Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	Collector Street Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
14	Rail, Water or other mode of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	Freight Movement/Mobility Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	Financial Planning	$1,206	$4,822	$0	$0	$653	$653	$5,224	$0	$0	$0	$1,859	$653	$10,046	$12,558
17	Congestion Management Strategies	$1,855	$7,419	$0	$0	$820	$820	$6,560	$0	$0	$0	$2,675	$820	$13,979	$17,474
18	Air Qual. Planning/Conformity Ana	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0							
II-C	**Short Range Transit Planning**	$0	$0			$0	$0	$0							
	Short Range Transit Planning	$0	$0	$0	$0	$880	$880	$7,040	$0	$0	$0	$880	$880	$7,040	$8,800
		$0	$0			$0	$0	$0							
III-A	**Planning Work Program**	$0	$0			$0	$0	$0							
	Planning Work Program	$927	$3,710	$0	$0	$760	$760	$6,080	$0	$0	$0	$1,687	$760	$9,790	$12,237
		$0	$0			$0	$0	$0							
III-B	**Transp. Improvement Plan**	$0	$0			$0	$0	$0							
	TIP	$4,173	$16,694	$0	$0	$2,449	$2,449	$19,592	$0	$0	$0	$6,622	$2,449	$36,286	$45,357
		$0	$0			$0	$0	$0							
III-C	**Cvl Rgts. Cmp./Otr .Reg. Reqs.**	$0	$0			$0	$0	$0							
1	Title VI	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Environmental Justice	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Minority Business Enterprise	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Planning for the Elderly & Disabled	$0	$0	$0	$0	$240	$240	$1,920	$0	$0	$0	$240	$240	$1,920	$2,400
5	Safety/Drug Control Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	Public Involvement	$0	$0	$0	$0	$488	$488	$3,904	$0	$0	$0	$488	$488	$3,904	$4,880
7	Private Sector Participation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0							
III-D	**Incidental Plng./Project Dev.**	$0	$0			$0	$0	$0							
1	Transportation Enhancement Plng.	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Enviro. Analysis & Pre-TIP Plng.	$0	$0	$0	$0	$236	$236	$1,888	$0	$0	$0	$236	$236	$1,888	$2,360
3	Special Studies	$3,122	$12,490	$0	$0	$820	$820	$6,560	$0	$0	$0	$3,942	$820	$19,050	$23,812
4	Regional or Statewide Planning	$2,782	$11,129	$0	$0	$1,040	$1,040	$8,320	$0	$0	$0	$3,822	$1,040	$19,449	$24,311
		$0	$0			$0	$0	$0							
III-E	**Management & Operations**	$0	$0			$0	$0	$0							
1	Management & Operations	$1,199	$4,796	$0	$0	$1,624	$1,624	$12,992	$0	$0	$0	$2,823	$1,624	$17,788	$22,235
	Totals	$23,983	$95,929	$0	$0	$17,150	$17,150	$137,200	$0	$0	$0	$41,133	$17,150	$233,129	$291,411

TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Task II-A-1: Traffic Volume Counts

The Town of Chapel Hill will conduct local traffic counts for planning purposes and provide data to DCHC-MPO as needed. The locations will be located in the downtown and in the Blue Hill (formerly called Ephesus-Fordham) District, and will serve to support local plans and feed into the MPO Congestion Mitigation Process and other regional studies. Town staff have formed a traffic analytics working group to collect and analyze traffic data in Town. The Town assists with and analyzes results of Transportation Impact Analyses for most developments in Town.

Objectives

- Collect local traffic counts
- Create plan for expanding model to rest of Town
- Gather traffic counts as components of development TIAs

Previous Work

- Local traffic counts for local studies/plans
- Traffic Impact Analyses related to proposed developments
- Mobility Report Cards
- Traffic model for the Blue Hill District and developed mitigation strategies

Proposed Activities

- Collect traffic data
- Receive training on Transmodeler software
- Manage TIA evaluation study
- Provide traffic data and reports to MPO
- Work with LPA staff to determine traffic count locations for MRC and other studies

Products

- Traffic volume data

Relationship to other plans and MPO activities

CMP, Mobility Report Card and TRM, Chapel Hill traffic analytics

Proposed budget and level of effort

Task will be undertaken by Transportation Planners and Division Manager. 120 hours

Task II-A-10: Mapping

The Town of Chapel Hill will continue to undertake tasks associated with mapping and updates to UPWP transportation planning activities such as the CMP, MTP, CTP, TIP, SPOT/ Prioritization, traffic counts, bicycle and pedestrian counts and inventory, transit routes, land use, development review, socio-economic and demographic trends, and environmental factors. The Town mapping and spatial GIS products will support the MPO overall GIS and geo-spatial management system.

Objectives:

- Provide maps for use in various MPO planning activities
- Update base maps
- Update and maintain geo-spatial maps
- Provide mapping support for Community Viz, modeling, MTP, CTP, etc.
- Maintain GIS-Online

TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Previous Work:
- Mapping for 2040 & 2045 MTP, SPOT processes, and STIP projects
- Traffic/bike-ped count locations
- Station area planning for future transit stations

Proposed Activities:
- Collect updated geospatial information
- Create files and maps containing MPO transportation information

Products:
- Maps for various MPO planning activities
- Region-wide GIS files
- Geo-spatial mapping
- Update count maps
- ArcGIS Online

Relationship to Other Plans and MPO Activities:
Triangle Regional Model, MTP, CTP, CMP, Mobility Report Card, MTIP development, SPOT, land-use scenarios, environmental layers, and others

Proposed Budget and Level of Effort (Staff or Consulting):
Task will be undertaken by Transportation Planners and Division Manager. 250 hours

Task II-A-11: Central Area Parking Inventory
The Town of Chapel Hill will continue to update the model of existing parking in the downtown, which includes number of spaces, fees, and demand/occupancy data. The Town will share this data with the MPO as requested.

Objectives:
- Develop and maintain a complete inventory of public and private parking spaces in downtown Chapel Hill

Previous Work:
- Updated the inventory and model as part of the Downtown Circulation Study

Proposed Activities:
- Update database of downtown parking facilities
- GIS shape files containing parking data

Products:
- Shapefile and spreadsheet with parking space count data and attributes

Relationship to other plans and MPO activities:
2045 MTP, Chapel Hill Mobility and Connectivity Plan, NCDOT TIP projects

Proposed budget and level of effort:
Task will be undertaken by the Transportation Planners and Division Manager. 70 hours

TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Task II-A-12: Bike & Ped Facilities Inventory

The Town of Chapel Hill will maintain and update the existing inventory of bicycle and pedestrian facilities throughout the community. This inventory will assist in MPO-related projects. It will also allow the Town to identify new bike-ped projects to submit to SPOT and other funding sources.

Objectives:

- Provide inventories of bicycle and pedestrian facilities for use in MPO planning activities
- Update base maps of bicycle and pedestrian networks

Previous Work:

- Maintained a database of bicycle and pedestrian facilities

Proposed Activities:

- Collect updated data on bicycle and pedestrian facilities
- Monitor new construction and incorporate into base data
- Create files and maps containing MPO transportation information
- Collect bike-pedestrian facility information for SPOT, CMAQ/TAP funding

Products:

- Updated bike-ped GIS maps and attributes
- Updated database

Relationship to Other Plans and MPO Activities:

2045 MTP, CTP, Mobility Report Card, and other MPO activities.

Proposed Budget and Level of Effort (Staff or Consulting):

Task will be undertaken by Transportation Planners and Division Manager. 160 hours

Task II-A-13: Bike & Ped Counts

The Town of Chapel Hill will conduct ongoing bike and pedestrian counts at various locations in Town, using permanent and mobile counters, and as-needed one-time counts. The Town will use the data to evaluate the effectiveness of TIP projects and determine need for future infrastructure.

Objectives:

- Ongoing bike and ped counts at permanent locations
- Conduct counts with mobile ped counters
- Online platform for sharing the data publicly

Previous Work:

- Bike-ped counts at five greenway and three permanent roadway locations
- First round of semi-annual bike-ped counter reports

Proposed Activities:

- Collect data regularly from counters
- Implement a schedule for the mobile ped counters
- Implement an open data platform for sharing data publicly
- Share data with MPO as needed

TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Products:
- Chapel Hill bike-ped counter online data available for public and MPO use
- Semi-annual reports for each counter

Relationship to Other Plans and MPO Activities:
Town planning projects and processes, Mobility Report Card, MTP and CTP

Proposed Budget and Level of Effort (Staff or Consulting):
Task will be undertaken by Transportation Planners and Division Manager. 120 hours

Task II-B-9: Highway Element of MTP
The Town of Chapel Hill will assist and support the MPO on the evaluation of highway elements of the 2045 MTP. Staff will work to evaluate and implement highway projects from the adopted 2045 MTP. Staff will participate in the CTP 2.0 process. Town of Chapel Hill will assist MPO staff in finalizing the US 15-501 Corridor Study, and NCDOT in other roadway studies as necessary.

Objectives:
- Work with NCDOT to develop designs for highway projects in Chapel Hill
- Design local roadway projects from adopted 2045 MTP
- Assist in development of US 15-501 Corridor Study and others

Previous Work:
- 2040 and 2045 MTP
- Travel demand forecast
- Capacity deficiency analysis
- Elliott Road Extension and other highway projects

Proposed Activities:
- Develop key data for roadway performance
- Design local roadways in 2045 MTP
- Work with NCDOT and consultants to design highways in MTP
- Attend meetings and provide data for the US 15-501 Corridor Study and others

Products:
- Key data for highway projects
- Roadway design for Elliott Road Extension
- Designs for NC 54, US 15-501, I-40/NC 86
- MPO Corridor Study for US 15-501 and others

Relationship to Other Plans and MPO Activities:
2045 MTP and CTP, STIP/TIP.

Proposed Budget and Level of Effort (Staff or Consulting):
Task will be undertaken by Transportation Planners and Division Manager. 220 hours

TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Task II-B-16: Financial Planning

The Town of Chapel Hill will participate and assist the MPO and GoTriangle in developing revenue and expenditure assumptions and data related to the Orange and Durham County Transit Plans and other MPO-related finances. Town staff will develop cost estimates and budgets for SPOT submissions, TIP projects, other projects from the 2045 MTP, and monitor budgets of projects underway.

Objectives:

- Provide financial information as necessary to the Orange County Transit Plan
- Monitor implementation of the Orange County Transit Plan
- Create, adopt and monitor budgets for TIP projects
- Cost estimates for SPOT submissions and internal CIP projects

Previous Work:

- Financial element of the 2040 & 2045 MTP
- Orange County Transit Plan financial element
- Budgets for existing TIP and MTP projects

Proposed Activities:

- Monitor financial reporting from GoTriangle for Orange County Transit Plan
- Submit necessary documentation to GoTriangle for OC Transit Plan projects
- Attend monthly Orange County Transit Plan Staff Working Group meetings
- Budget work for Town and regional TIP projects

Products:

- Orange County Transit Plan financial element
- Quarterly invoices and reports for OC Transit Plan projects
- Cost estimates and budgets for TIP and SPOT projects

Relationship to Other Plans and MPO Activities:

Annual UPWP, TIP, 2045 MTP

Proposed Budget and Level of Effort (Staff):

Task will be undertaken primarily by the Division Manager. 130 hours

Task II-B-17: Congestion Management Strategies

The Town of Chapel Hill works with the MPO to refine the collection and analysis of data related to the congestion management system for the MPO. Town staff will prepare information and analysis specific to evaluating congestion in Chapel Hill and develop strategies to address these issues. Town staff also coordinate Transportation Demand Management (TDM) activities for numerous businesses in Chapel Hill as well as the general public. The Chapel Hill TDM program is part of a larger regional effort that is responsible in part to the MPO.

Objectives:

- To identify areas of congestion within the Town based on count information and community survey responses
- Develop strategies to address congested corridors and key intersections
- Prepare biannual report for Town Council highlighting key issues and proposed recommendations
- Coordinate with MPO staff to develop regional CMS

- Promote TDM to Chapel Hill businesses, including Town Hall

Previous Work:
- Coordination with MPO for collection of 2016 data
- Ongoing TDM efforts

Proposed Activities:
- Coordinate with MPO on data collection
- Provide MPO with local congestion data
- Support MPO development of MPO CMS
- Continue TDM activities throughout Town

Products:
- MPO CMS Report
- Chapel Hill data for Mobility Report Card
- Results from biannual TDM survey

Relationship to Other Plans and MPO Activities:
MPO CMS Report, MTP, and regional TDM

Proposed Budget and Level of Effort (Staff or Consulting):
Task will be undertaken by Transportation Planners and Division Manager. 200 hours

Task III-A: Planning Work Program
Administer the Chapel Hill element of the FY20 UPWP that describes all transportation and transportation-related planning activities anticipated within the Town of Chapel Hill and DCHC MPO planning area. Staff will prepare and process quarterly reports and amendments as needed. Evaluate transportation planning work needs and emphasis areas and prepare the FY 21 UPWP.

Objective:
- Administer the FY20 UPWP
- Develop, maintain, and complete the UPWP quarterly reports and invoices
- Prepare UPWP amendments as necessary
- Prepare the FY21 UPWP

Previous Work:
- Previous UPWPs

Proposed Activities:
- Review and amend relevant portions of the FY20 UPWP
- Prepare and submit quarterly reports
- Develop the FY21 UPWP
- Attend MPO Oversight Committee meetings as required

Products:
- Amendments to the current UPWP as necessary
- Quarterly reports for current UPWP
- FY21 UPWP

TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Relationship to Other Plans and MPO Activities:
The UPWP captures work required for all other plans and MPO activities.

Proposed Budget and Level of Effort (Staff):
Task will be undertaken primarily by the Division Manager. 100 hours

Task III-B-1: Transportation Improvement Program
The Town of Chapel Hill will assist the MPO in developing projects for consideration in the next update of the State and MPO transportation improvement program. Staff will participate in the SPOT 6.0 development, including attending meetings to develop project priorities and assign local input points. Town staff will also work to implement projects currently in the STIP, including bike-ped improvements on Old Durham Road, Estes Drive, Estes Drive Extension, and the sidepath on US -15-501.

Objectives:
- Develop and prioritize SPOT 6.0 projects for inclusion in the STIP
- Plan and implement projects in current and previous STIPs

Previous Work:
- Development of projects for SPOT 4.0 and 5.0
- TIP project planning and implementation

Proposed Activities:
- Prepare SPOT 6.0 projects
- Prepare TIP amendments as necessary
- Plan and implement current and past STIP projects

Products:
- Final project submissions for SPOT 6.0
- TIP amendments as necessary
- Budgets and plans for new STIP projects
- Status updates on existing STIP projects

Relationship to Other Plans and MPO Activities:
2040/2045 MTP and CTP, Chapel Hill Mobility and Connectivity Plan

Proposed Budget and Level of Effort (Staff or Consulting):
Task will be undertaken by Transportation Planners and Division Manager. 450 hours

Task III-D-3 Special Studies
Participate in ongoing special studies, including multiple US 15-501 Feasibility & Corridor Studies, NC 54 NEPA/Design, Blue Hill TIA, Chapel Hill traffic analytics, station area infrastructure study, and others.

Objectives:
- Provide staff support to special studies that impact the DCHC MPO

Previous Work:
- Staff assistance to US 15-501 Feasibility Study and Corridor Study

- I-40 Managed Lane Feasibility Study
- Draft Blue Hill TIA
- N-S BRT alternatives analysis

Proposed activities:
- Attend coordination meetings
- Prepare data on request
- Provide updates to elected officials
- Continue work on other studies that impact the DCHC MPO

Products:
- Completed special studies

Relationship to Other Plans and MPO Activities
CTP, MTP and STIP/TIP, CMP, Mobility Report Card, TRM, and others

Proposed Budget and Level of Effort (Staff or Consulting):
Task will be undertaken by Transportation Planners and Division Manager. 330 hours

Task III-D-4: Regional or Statewide Planning
The Town will continue to work with GoTriangle to implement specific elements of the regional light rail project and Orange County Transit Plan, including plan review, meeting coordination, and developing station area land use plans. The Town will continue to collaborate on projects with NCDOT, the Town of Carrboro, Durham, UNC and Orange County.

Objectives:
- Coordinate with GoTriangle to provide input into ongoing environmental and transportation studies related to DOLRT
- Coordinate with UNC on specific alignment and station development issues
- Prepare Chapel Hill Light Rail Station Area Planning Studies
- Continue collaboration on other existing and new projects with regional/state partners

Previous Work:
- Coordinated with GoTriangle on the Station Area Grant application and the DEIS for DOLRT
- Collaborated with NCDOT and regional partners on numerous studies and projects

Proposed Activities:
- Regular participation at project scoping, environmental study and public meetings conducted by GoTriangle.
- Review and comment on various elements of the light rail design
- Prepare small area plans and other related land use changes at station area locations
- Work with regional partners on plans and projects as needed

Products:
- Station area planning documents
- Updated land use plans
- Attendance at light rail entitlement, joint development and design meetings

TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Relationship to Other Plans and MPO Activities:
MTP, the Orange/Durham County Transit Plans, and STIP/TIP

Proposed Budget and Level of Effort (Staff or Consulting):
Task will be undertaken by Transportation Planners and Division Manager. 300 hours

Task III-E: Management and Operations
The Town will assist and support the DCHC MPO efforts in complying with federal requirements. Town staff will attend DCHC MPO and other regional meetings. The continuing transportation planning process requires considerable administrative time for attending monthly committee meetings, preparing agendas and minutes to these meetings, attending trainings/conference, and performing other administrative duties related to being a MPO member jurisdiction. Town staff also manages meetings for the Transportation and Connectivity Advisory Board and frequently presents MPO-related information and plans to the Town Council.

Objectives:
- Perform all tasks necessary to conduct successful and forward-thinking transportation planning in the Town of Chapel Hill
- Fulfill duties of MPO member jurisdiction
- Keep advisory board and Town Council informed of transportation-related activities

Previous Work:
- Attend MPO TC, Board, and sub-committee meetings
- Liaise to the Transportation and Connectivity Advisory Board

Proposed Activities:
- Attend all MPO TC, Board and sub-committee meetings
- Provide technical assistance to the MPO
- Staff Town advisory board meetings
- Brief Town MPO Board representatives prior to each meeting
- Review and comment on federal and state transportation-related plans, programs, regulations and guidelines pertaining to the Town of Chapel Hill
- Present to Council as necessary and appropriate

Products:
- Attendance at MPO meetings
- Feedback and comments from Council and advisory boards as appropriate

Relationship to Other Plans and MPO Activities:
This task supports all plans and MPO activities.

Proposed Budget and Level of Effort (Staff or Consulting):
Task will be undertaken by Transportation Planners and Division Manager. 130 hours

City of Durham & GoDurham

	Task Description	STBGP 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
		Local	FHWA	Local	FHWA	Local	NCDOT	FTA	Local		FTA	Local	NCDOT	Federal	Total
		20%	80%	20%	80%	10%	10%	80%	20%		80%				
II-A	**Surveillance of Change**														
1	Traffic Volume Counts	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
2	Vehicle Miles of Travel	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
3	Street System Changes	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
4	Traffic Crashes	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
5	Transit System Data	$0	$0	$0	$0	$8,076	$8,076	$64,608	$11,084		$44,336	$19,160	$8,076	$108,944	$136,180
6	Dwelling Unit, Pop. & Emp. Change	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
7	Air Travel	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
8	Vehicle Occupancy Rates	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
9	Travel Time Studies	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
10	Mapping	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
11	Central Area Parking Inventory	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
12	Bike & Ped. Facilities Inventory	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
13	Bike & Ped. Counts	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0	$0		$0				
II-B	**Long Range Transp. Plan (MTP)**	$0	$0			$0	$0	$0	$0		$0				
1	Collection of Base Year Data	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
2	Collection of Network Data	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
3	Travel Model Updates	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
4	Travel Surveys	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
5	Forecast of Data to Horizon year	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
6	Community Goals & Objectives	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
7	Forecast of Futurel Travel Patterns	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
8	Capacity Deficiency Analysis	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
9	Highway Element of the MTP	$1,198	$4,793	$0	$0	$0	$0	$0	$0		$0	$1,198	$0	$4,793	$5,991
10	Transit Element of the MTP	$1,198	$4,793	$0	$0	$326	$326	$2,608	$1,016		$4,064	$2,540	$326	$11,465	$14,331
11	Bicycle & Ped. Element of the MTP	$31,198	$124,793	$0	$0	$0	$0	$0	$0		$0	$31,198	$0	$124,793	$155,991
12	Airport/Air Travel Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
13	Collector Street Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
14	Rail, Water or other mode of MTP	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
15	Freight Movement/Mobility Planning	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
16	Financial Planning	$0	$0	$0	$0	$326	$326	$2,608	$19,668		$78,672	$19,994	$326	$81,280	$101,600
17	Congestion Management Strategies	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
18	Air Qual. Planning/Conformity Anal.	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0	$0		$0				
II-C	**Short Range Transit Planning**	$0	$0			$0	$0	$0	$0		$0				
1	Short Range Transit Planning	$0	$0	$0	$0	$2,610	$2,610	$20,880	$21,124		$84,496	$23,734	$2,610	$105,376	$131,720
		$0	$0			$0	$0	$0	$0		$0				
III-A	**Planning Work Program**	$0	$0			$0	$0	$0	$0		$0				
	Planning Work Program	$1,198	$4,793	$0	$0	$0	$0	$0	$0		$0	$1,198	$0	$4,793	$5,991
		$0	$0			$0	$0	$0	$0		$0				
III-B	**Transp. Improvement Plan**	$0	$0			$0	$0	$0	$0		$0				
	TIP	$4,793	$19,171	$0	$0	$653	$653	$5,224	$2,036		$8,144	$7,482	$653	$32,539	$40,674
		$0	$0			$0	$0	$0	$0		$0				
III-C	**Cvl Rgts. Cmp./Otr .Reg. Reqs.**	$0	$0			$0	$0	$0	$0		$0				
1	Title VI	$0	$0	$0	$0	$326	$326	$2,608	$736		$2,944	$1,062	$326	$5,552	$6,940
2	Environmental Justice	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
3	Minority Business Enterprise	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
4	Planning for the Elderly & Disabled	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
5	Safety/Drug Control Planning	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
6	Public Involvement	$1,198	$4,793	$0	$0	$326	$326	$2,608	$1,972		$7,888	$3,496	$326	$15,289	$19,111
7	Private Sector Participation	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0	$0		$0				
III-D	**Incidental Plng./Project Dev.**	$0	$0			$0	$0	$0	$0		$0				
1	Transportation Enhancement Plng.	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
2	Enviro. Analysis & Pre-TIP Plng.	$5,991	$23,964	$0	$0	$0	$0	$0	$0		$0	$5,991	$0	$23,964	$29,955
3	Special Studies	$5,991	$23,964	$0	$0	$0	$0	$0	$0		$0	$5,991	$0	$23,964	$29,955
4	Regional or Statewide Planning	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0	$0		$0				
III-E	**Management & Operations**	$0	$0			$0	$0	$0	$0		$0				
1	Management & Operations	$1,198	$4,793	$0	$0	$5,207	$5,207	$41,656	$4,328		$17,312	$10,733	$5,207	$63,761	$79,701
Totals		$53,964	$215,856	$0	$0	$17,850	$17,850	$142,800	$61,964		$247,856	########	$17,850	$606,512	$758,140

City of Durham
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

II-B-9: Highway Element of the MTP

The MPO will continue maintenance of highway elements of the Comprehensive Transportation Plan and Metropolitan Transportation Plan. The City will assist and support the MPO efforts. Specifically, the City will assist in the evaluation of any needed amendments to the plans. Also, the City will identify and evaluate highway facilities to be included as part of the MPO highway component of the CTP and MTP.

Objectives:

1. To identify a list of highway projects based on travel demand and deficiencies;
2. To develop a series of highway alternatives (i.e., set of highway projects with a distinct objective); and,
3. To develop key data for each highway project such as capacity, length, alignment, cost, implementation year, etc.

Previous Work:

1. 2045 MTP;
2. Congestion Management Process;
3. Triangle Regional Model;
4. Travel demand forecast; and,
5. Capacity deficiency analysis.

Proposed Activities:

1. Establish evaluation criteria;
2. Develop key data for highway projects;
3. Re-evaluation of 2045 highway element;
4. Generate highway projects and alternatives;
5. Evaluate highway projects and alternatives; and,
6. City Council and MPO Board comments on alternatives.

Products:

1. Amendments to the CTP and 2045 MTP as needed
2. Preliminary identification of issues/concerns to address in future MTP updates

Relationship to Other Plans and MPO Activities:

Before the highway element can be developed, several other tasks must be successfully completed including: TRM update; travel demand forecasts; capacity deficiency analysis. In addition, and the Congestion Management Process will be important to this task.

Proposed Budget and Level of Effort

Senior Transportation Planner, 90 hours

II-B-10: Transit Element of the MTP

The City of Durham will continue maintenance of transit elements of the Comprehensive Transportation Plan and the 2045 MTP. Transit evaluation will include fixed-route bus service, fixed-guideway transit,

highway capacity transit and demand responsive transit. Using travel behavior, ridership forecasts and other analysis, evaluation of transit element will look at unmet needs, new services areas and potential markets. Performance measures will be established for evaluating transit alternatives. An extensive roster of transit routes, projects and services will be identified based on the current routes, 2013 base year, transit feasibility studies, transit 5-year and master plans, travel demand forecast and capacity deficiency analysis. Different combinations of these services will produce a variety of transit alternatives that will be analyzed to find the alternative that best meets the CTP/MTP Goals and Objectives and targets, and meets the fiscal constraint requirement. Each alternative will characterize a one or more emphasis area such as new roadways, transit intensive, etc. The transit element of the Comprehensive Transportation Plan (CTP) will be developed in parallel with the MTP, but will likely have a different set of constraints (e.g., no fiscal constraint).

Objectives:

1. To identify a list of transit routes, projects and services based on completed transit studies, travel demand and deficiencies;
2. To develop a series of transit alternatives (i.e., set of transit routes, projects and services with a distinct objective); and,
3. To develop key data for each transit project such as route, ridership capacity (e.g., load capacity and headway), service hours, cost, implementation year, etc.

Previous Work:

1. 2045 MTP;
2. Feasibility studies (regional transit plans , STAC, US 15-501 Transit Corridor and I-40/NC 54 Transit Corridor, Chapel Hill Transit Master Plan, etc.);
3. Transit 5-year TDP and master plans;
4. Travel demand forecast; and,
5. Capacity deficiency analysis.

Proposed Activities:

1. Establish evaluation criteria;
2. Develop key data for transit services;
3. Generate transit projects and alternatives;
4. Evaluate transit projects and alternatives; and,
5. City Council and MPO Board comments on alternatives and draft MTP and CTP.

Products/Deliverables:

1. Amendments to the CTP and 2045 MTP as needed
2. Preliminary identification of issues/concerns to address in future MTP updates
3. Commuter Rail Transit MIS study.

Relationship to Other Plans and MPO Activities:

Before the transit element can be developed, several other tasks must be successfully completed including: TRM update and surveys; travel demand forecasts; capacity deficiency analysis. In

addition, transit plans and feasibility studies, the Congestion Management Process and CTP will be important input to this task.

Proposed Budget and Level of Effort

Senior Transportation Planner, 90 hours

Task II-B-11: Bicycle and Pedestrian Element of the MTP

The City of Durham will continue maintenance of the bicycle and pedestrian elements of the Comprehensive Transportation Plan and the 2045 MTP. The MPO will continue work on the implementation of the Durham Bike+Walk Implementation Plan. The City is proposing the development of a new bicycle plan focused on developing a low-stress bicycle network of protected bike lanes, greenways, and neighborhood bike routes.

Objectives:

1. Update the MTP/CTP bicycle and pedestrian elements, project descriptions and cost information;
2. Collect public input on bicycle and pedestrian facilities and programs to be included in the CTP/2045 MTP;
3. Update the MTP ancillary planning and program information.
4. Coordinate existing local and regional plans and projects with MTP bicycle and pedestrian element;
5. Update MTP bicycle and pedestrian Element maps; and,
6. Work with local communities on Regional Priority Lists, in order to implement MTP Bicycle and Pedestrian elements through the TIP.

Previous Work:

1. Preparation of the bicycle and pedestrian elements of the 2040 MTP.
2. Durham Bike+Walk Implementation Plan

Proposed Activities:

1. Collect planned and proposed bicycle and pedestrian project information from local and regional plans and forums for inclusion in the MTP/CTP;
2. Create and update bicycle and pedestrian facility maps;
3. Create and update bicycle and pedestrian demand analysis;
4. Coordinate planning activities between local and regional agencies for bicycle, and pedestrian, trail/greenway and TDM initiatives.

Products/Deliverables:

1. Amendments to the CTP and 2045 MTP as needed
2. Preliminary identification of issues/concerns to address in future MTP updates
3. Durham Low-Stress Bicycle Network Plan

Relationship to Other Plans and MPO Activities:

Planning activities for the CTP/MTP Bicycle and Pedestrian Element will be coordinated with local

and regional bicycle, pedestrian, greenway and TDM Plans, in order to capture all proposed projects within the MPO.

Proposed Budget and Level of Effort

Senior Transportation Planner, 90 hours
$150,000 consultant fees for Durham Low-Stress Bicycle Network Plan

Task III-A: Planning Work Program

Administer the FY 2019-2020 Unified Planning Work Program (UPWP) and prepare and process amendments as needed. Evaluate transportation planning work needs and emphasis areas and prepare the FY 2021 UPWP. Prepare quarterly progress reports, document expenditures for the various planning work items, and file for reimbursement of expenditures from the PL and STP-DA funds account and other federal funds.

Objective:

1. To prepare and continually maintain a UPWP that describes all transportation and transportation-related planning activities anticipated within the City of Durham and DCHC MPO planning area for the FY 2019-2020 UPWP.
2. To develop, maintain, and complete the UPWP in conformance with applicable federal, state, and regional guidelines.
3. To prepare UPWP amendments as necessary and requested by member agencies, to reflect any change in programming or focus for the current fiscal year.

Previous Work:

1. Previous UPWPs
2. Previous Amendments to the UPWP

Proposed Activities:

1. Review and amend relevant portions of the UPWP to meet new planning requirements and/or circumstances pertinent to the MPO emphasis and transportation planning objectives.
2. Develop a new UPWP for the DCHC planning area covering the next program year. The development of a new UPWP will be prepared in cooperation with NCDOT and subject to the development process and public involvement endorsed by the MPO Board.

Expected Work Products:

1. Amendments to the current UPWP as necessary.
2. Development of the FY 2021 UPWP.

Relationship to Other Plans and MPO Activities:

The Planning Work Program documents the work conducted for other plans and MPO activities and enables reimbursement for work performed.

Proposed Budget and Level of Effort

Senior Transportation Planner, 90 hours

City of Durham
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

III-B-1: Transportation Improvement Plan

Amend TIP/ STIP as needed. Finalize development of the FY 2020-2029 TIP and begin development of the FY 2022-2031 TIP. This includes the refinement of the MPO Priority Needs and the identification of the transportation projects, programs, and services towards which the MPO will direct STPBG, CMAQ, TAP, and other federal/state funds.

Objectives:

As the Lead Planning Agency (LPA) of the DCHC MPO, the City of Durham, Transportation Division is responsible for annually developing, amending, adjusting and maintaining the TIP for the metropolitan area. Under this activity, the LPA will update and amend the current, seven-year program of transportation improvement projects that is consistent with the 2045 Metropolitan Transportation Plan, STIP, the State Implementation Plan (SIP), EPA Air Quality Conformity Regulations and FHWA/FTA Planning Regulations.

Previous Work:

DCHC MPO Transportation Improvement Programs.

Proposed Activities:

1. Develop transportation improvement projects for consideration by the City Council.
2. Develop FY 2020-2029 TIP and FY 2022-2031 TIP
3. Refine project ranking methodology and priority system.
4. Conduct appropriate public participation for the TIP consistent with the MPO Public Involvement Policy.
5. Conduct formal amendments and adjustments as necessary.
6. Produce and distribute TIP documents for local officials.
7. Attend regular meetings with NCDOT to exchange information regarding transportation improvement projects.

Expected Work Product:

1. Work with the MPO in the development of STI.
2. Assist and provide support to the LPA regarding STI
3. FY 2020-2029 and FY 2022 -2031 Transportation Improvement Program
4. Develop and refine procedures necessary for TIP preparation and amendments as necessary.
5. TIP Amendments and Adjustments as necessary.

Proposed Budget and Level of Effort

Senior Transportation Planner, 360 hours

III-C-6: Public Involvement

The City of Durham will continue to provide an early, proactive and a meaningful public participation and input throughout the transportation planning process, including providing for open exchange of information and ideas between the public and transportation decision-makers.

City of Durham
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FY 2020 UPWP

Objectives:

To provide the public with complete information, timely notice, full access to key decisions and opportunities for early and continuing involvement in the 3C process. To assess the effectiveness of the current Public Involvement Process as required by the MPO, and to develop and enhance the process of public dissemination of information.

Previous Work:

1. MPO Public Involvement Process.
2. Newsletters, emails, websites, advertisements.

Proposed activities:

1. Administer the MPO Public Participation Process as needed.
2. Apply the Public Involvement Process to transportation programs and tasks:
3. Public meetings, workshops, and outreach programs to increase public participation, information dissemination, and education.

Expected Work Products:

1. Public meetings, website postings, flyers, etc.
2. Support of Citizen Advisory Committee

Relationship to other plans and MPO activities

Public involvement is used throughout the MPO planning process in support of all activities.

Proposed Budget and Level of Effort

Senior Transportation Planner, 90 hours

III-D-2: Environmental Analysis & Pre TIP Planning

The City will continue to participate regularly and consistently in the TIP project planning & development process, including submission of comments, attending public meetings, attending scoping meetings, attending NEPA 404 merger meetings, and participating in field inspections. The City will be involved in TIP project development. The City will continue to support and be involved in NCDOT efforts to link NEPA process in the MPO systems planning process.

Objectives:

1. To ensure that the goals, objectives and needs of the DCHC MPO are integrated in the environmental planning process of transportation projects; and,
2. To ensure the needs of the citizens in the City portion of the DCHC MPO planning area are considered in the project planning process.

Previous Work:

Regular project scoping, environmental study and public meetings, especially those conducted by the NCDOT and GoTriangle.

City of Durham
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Proposed Activities:

1. Regular participation at project scoping, environmental study and public meetings, especially those conducted by the NCDOT and GoTriangle;
2. Review and comment on project scoping and environmental documents;
3. The City participation in NEPA process for TIP projects.

Products/Deliverables:

Written comments on project scoping and environmental studies, activities and documents;

Relationship to Other Plans and MPO Activities:

The activities of this task are directly related to transportation projects in the long-range transportation plan and to projects that are being considered for TIP funding.

Proposed Budget and Level of Effort

Senior Transportation Planner, 450 hours

III-D-3: Special Studies

The City will participate in MPO special studies including the US 15-501 Corridor Study and the Central Durham Study.

Objectives

1. To develop focused studies for US 15-501 and central Durham.

Previous Work

1. Special studies on various corridors and areas of the MPO.

Proposed Activities

1. Kickoff meeting and participation on steering committees
2. Development of a draft study and a final study
3. Website postings and public involvement

Products

1. Study documents

Relationship to Other Plans and MPO Activities

The US 15-501 corridor and central Durham study will include analysis related to the Highway and Bicycle and Pedestrian Elements of the MTP.

Proposed Budget and Level of Effort

Senior Transportation Planner, 450 hours

III-E-1: Management and Operations

The City will assist and support the DCHC MPO efforts in complying with the federal 3-C process. The

City of Durham
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

City of Durham staff will attend both DCHC MPO and regional meetings. The continuing transportation planning process requires considerable administrative time for attending monthly committee meetings, preparing agendas and minutes to these meetings, and attending training.

Objective:

To assist, support, and facilitate an open Comprehensive, Cooperative, and Continuing (3C) transportation planning and programming process at all levels of government in conformance with applicable federal and state requirements and guidelines as described in the 3C Memorandum of Understanding.

Previous Work:

1. Management of the 3C process using previous Unified Work Program and prospectus documents, transportation plans, and Memorandum of Understanding. Specifically, previous tasks include but not limited to preparation of Technical Committee (TC) and the MPO Board meeting agendas, providing technical assistance to the MPO Board, development of the TIP, preparation of the annual UPWP, working with other agencies, such as NC Division of Air Quality, etc.

Proposed Activities:

1. Provide liaisons between DCHC MPO and the City of Durham elected officials and citizens.
2. Provide technical assistance to the MPO.
3. Participate in joint meetings as a means to continually improve the quality and operation of the transportation planning process and decision making within the MPO and in the Triangle Region.
4. Review and comment on federal and state transportation-related plans, programs, regulations and guidelines pertaining to the City of Durham.

Work Product Expected:

1. Technical assistance memoranda, reports, and public involvement meetings and workshops as needed.
2. Updates to the planning documents as required.

Relationship to other plans and MPO activities

Participation in MPO meetings is necessary for the function of the MPO and all plans and activities.

Proposed Budget and Level of Effort

Senior Transportation Planner, 90 hours

Durham County

	Task Description	STBGP 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
		Local	FHWA	Local	FHWA	Local	NCDOT	FTA	Local	NCDOT	FTA	Local	NCDOT	Federal	Total
		20%	80%	20%	80%	10%	10%	80%	10%	10%	80%				
II-A	**Surveillance of Change**														
1	Traffic Volume Counts	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Vehicle Miles of Travel	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Street System Changes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Traffic Crashes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	Transit System Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	Dwelling Unit, Pop. & Emp. Change	$200	$800	$0	$0	$0	$0	$0	$0	$0	$0	$200	$0	$800	$1,000
7	Air Travel	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	Vehicle Occupancy Rates	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	Travel Time Studies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Mapping	$300	$1,200	$0	$0	$0	$0	$0	$0	$0	$0	$300	$0	$1,200	$1,500
11	Central Area Parking Inventory	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	Bike & Ped. Facilities Inventory	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	Bike & Ped. Counts	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0												
II-B	**Long Range Transp. Plan (MTP)**	$0	$0												
1	Collection of Base Year Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Collection of Network Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Travel Model Updates	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Travel Surveys	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	Forecast of Data to Horizon year	$2,000	$8,000	$0	$0	$0	$0	$0	$0	$0	$0	$2,000	$0	$8,000	$10,000
6	Community Goals & Objectives	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	Forecast of Futurel Travel Patterns	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	Capacity Deficiency Analysis	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	Highway Element of th MTP	$1,679	$6,714	$0	$0	$0	$0	$0	$0	$0	$0	$1,679	$0	$6,714	$8,393
10	Transit Element of the MTP	$3,459	$13,836	$0	$0	$0	$0	$0	$0	$0	$0	$3,459	$0	$13,836	$17,295
11	Bicycle & Ped. Element of the MTP	$800	$3,200	$0	$0	$0	$0	$0	$0	$0	$0	$800	$0	$3,200	$4,000
12	Airport/Air Travel Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	Collector Street Element of MTP	$120	$480	$0	$0	$0	$0	$0	$0	$0	$0	$120	$0	$480	$600
14	Rail, Water or other mode of MTP	$100	$400	$0	$0	$0	$0	$0	$0	$0	$0	$100	$0	$400	$500
15	Freight Movement/Mobility Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	Financial Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
17	Congestion Management Strategies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
18	Air Qual. Planning/Conformity Anal.	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0												
II-C	**Short Range Transit Planning**	$0	$0												
1	Short Range Transit Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0									$0	$0	$0	$0
III-A	**Planning Work Program**	$0	$0												
	Planning Work Program	$300	$1,200	$0	$0	$0	$0	$0	$0	$0	$0	$300	$0	$1,200	$1,500
		$0	$0									$0	$0	$0	$0
III-B	**Transp. Improvement Plan**	$0	$0												
	TIP	$500	$2,000	$0	$0	$0	$0	$0	$0	$0	$0	$500	$0	$2,000	$2,500
		$0	$0									$0	$0		
III-C	**Cvl Rgts. Cmp./Otr .Reg. Reqs.**	$0	$0												
1	Title VI	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Environmental Justice	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Minority Business Enterprise	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Planning for the Elderly & Disabled	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	Safety/Drug Control Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	Public Involvement	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	Private Sector Participation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0												
III-D	**Incidental Plng./Project Dev.**	$0	$0												
1	Transportation Enhancement Plng.	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Enviro. Analysis & Pre-TIP Plng.	$900	$3,600	$0	$0	$0	$0	$0	$0	$0	$0	$900	$0	$3,600	$4,500
3	Special Studies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Regional or Statewide Planning	$900	$3,600	$0	$0	$0	$0	$0	$0	$0	$0	$900	$0	$3,600	$4,500
		$0	$0												
III-E	**Management & Operations**	$0	$0												
1	Management & Operations	$400	$1,600	$0	$0	$0	$0	$0	$0	$0	$0	$400	$0	$1,600	$2,000
Totals		$11,658	$46,630	$0	$0	$0	$0	$0	$0	$0	$0	$11,658	$0	$46,630	$58,288

DURHAM COUNTY
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FY 2020 UPWP

II-A-6. Dwelling Unit, Population, & Employment Change

The County will review population and employment change data estimated by the Triangle Regional Model in preparation for the next MTP and for the new Comprehensive Plan for Durham. The County will also provide data on development review activities, building permits, and certificates of occupancy.

Objective

To review dwelling unit, population, and employment data and provide local development data to LPA.

Previous work

County staff provided projected growth figures for unincorporated parts of Durham County to MPO staff and assisted the TRM process.

Proposed activities

1. Participate in meetings discussing potential improvements to the current estimation methodology
2. Submit data relating to dwelling unit and employment change to MPO staff

Products

1. Input on potential improvements/changes to the current estimation methodology
2. Dwelling unit/employment-related data as needed

Relationship to other plans and MPO activities

MTP and TRM, Durham Comprehensive Plan

Proposed budget and level of effort

Majority of work to be performed by a Planner. (30 Hours)

II-A-10. Mapping.

County staff will assist in developing base maps, GIS layers, and databases to serve MPO-wide and local transportation mapping objectives. They will provide, as needed, GIS layers for highway, transit, bike, and pedestrian networks as well as parcel and zonal information. In addition, County staff will provide CommunityViz mapping support.

Objective

Update base maps, including spatial and network data, with new data and ensure high-quality mapping and analysis of transportation facilities and amenities.

Previous Work

Using GIS, provided local socioeconomic data for the 2045 MTP. Reviewed and modified CommunityViz 2045 MTP place type and development status categories.

Proposed Activities

1. Update shapefiles with new features and-or attribute data
2. Provide and-or review GIS maps for MPO projects such as the CMP and the early phases of the 2045 MTP, as needed
3. Conduct GIS network analysis as needed to address transportation issues

Products

1. Up-to-date GIS data
2. Network datasets and studies

DURHAM COUNTY
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Relationship to other plans and MPO activities
CMP, 2045 MTP, Durham Comprehensive Plan

Proposed budget and level of effort
Majority of work to be performed by a Planner. (30 Hours)

II-B-5. Forecast of Data to Horizon Year
County staff will contribute to reviewing the current estimation methodology for forecasting socioeconomic data to the MTP horizon year to determine if any improvements are needed. In addition, County staff will continue the preparation of land use models and plans that will better integrate future rail transit and land use development around those future stations.

Objectives
Improve the process for forecasting socioeconomic data to the MTP horizon year and create land use plans that better integrate future transit options.

Previous work
For the 2045 MTP, the County contributed data and review comments for countywide growth control totals and the CommunityViz allocation of growth estimates within Durham County. County staff has also produced land use plans for selected future rail stations.

Proposed activities
1. Communicate with MPO staff and TCC representatives regarding potential improvements to the growth modeling methodology
2. In conjunction with MPO and local transportation staff, as well as the regional transit authority, create land use plans for future rail station areas

Products
1. Feedback on the growth modeling methodology
2. New land use ordinances for transit-oriented development

Relationship to other plans and MPO activities
2045 MTP, Durham County Bus and Rail Investment Plan, Durham Comprehensive Plan

Proposed budget and level of effort
Majority of work to be performed by a Planner and Senior Planner. (300 Hours)

II-B-9. Highway Element of the MTP
County staff will participate and assist the MPO in evaluating the highway elements of the 2045 MTP. The County will also participate in the Highway 98 Corridor Study and the regional tolling study.

Objectives
Update the MTP highway elements and to participate in the development of other highway-related studies.

Previous work
Preparation of the highway element of the 2045 MTP and the CTP; Participation in the development of the Highway 98 Corridor Study

DURHAM COUNTY
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Proposed activities

1. Provide data to the LPA on highway facilities as needed
2. Participate in the Central Durham Transportation Study and 15-501 Corridor Study
3. Participate in the regional tolling study

Products

1. Preferred highway element option
2. Key data for highway projects

Relationship to other plans and MPO activities
MTP, CTP, TIP

Proposed budget and level of effort
Majority of work to be performed by a Planner and Senior Planner. (150 Hours)

II-B-10. Transit Element of the LRTP
County staff is leading the effort for the Station Area Strategic Infrastructure study, which is analyzing the need for infrastructure at the local level, including road, pedestrian, and bicycle infrastructure, around future rail station sites in order to optimize use of the incoming rail system. County staff will also participate in an update of the Durham Bus and Rail Investment Plan, and the Major Investment Study Core Technical Team in conjunction with CAMPO and GoTriangle, for the Durham-Wake Commuter Rail.

Objectives
Develop the Station Area Strategic Infrastructure study and provide data and input for the Durham Bus and Rail Investment Plan.

Previous work
The County has completed existing conditions work for approximately half of the station areas and has completed an assessment of infrastructure needs for the "urban" rail stations sites. County staff has been providing input and data for many years on fixed guideway transit.

Proposed activities

1. Continue work on the Station Area Strategic Infrastructure study and complete work on the suburban rail station sites, as well as develop cost estimates and financing options for the necessary infrastructure improvements
2. Provide data and input for the Durham Bus and Rail Investment Plan
3. Participate in the Major Investment Study Core Technical Team in conjunction with CAMPO and GoTriangle, for the Durham-Wake Commuter Rail

Products

1. Development of the Station Area Strategic Infrastructure study (A1)
2. Demographic and land use data for Durham Bus and Rail Investment Plan

Relationship to other plans and MPO activities
2045 MTP, Durham Bus and Rail Investment Plan, Durham Comprehensive Plan

Proposed budget and level of effort
Majority of work to be performed by a Planner and Senior Planner. (400 Hours)

DURHAM COUNTY
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

II-B-11. Bicycle and Pedestrian Element of the MTP

County staff will participate and assist the MPO in evaluating the bicycle and pedestrian elements of the 2045 MTP. The County will also prepare periodic updates to the Durham Trails and Greenways (DTAG) Master Plan.

Objectives

Update the MTP bicycle and pedestrian elements and the Durham Trails and Greenways Master Plan.

Previous work

Preparation of the bicycle and pedestrian element of the 2045 MTP and the CTP.

Proposed activities

1. Provide data to the LPA on bike and pedestrian facilities as needs
2. Develop updates of the DTAG plan
3. Participate in the Central Durham Transportation Study
4. Develop Greenway-Focused Development standards along select trails within the County

Products

1. Provide data to the LPA on bike and pedestrian facilities as need.
2. Develop updates of the DTAG plan

Relationship to other plans and MPO activities

MTP, CTP, TIP

Proposed budget and level of effort

Majority of work to be performed by a Planner. (120 Hours)

II-B-13. Collector Street Element of the MTP

County staff will assist the MPO in updating the MPO Collector Street and Connectivity Plan.

Objectives

Assist the MPO in identifying new or amended collector street plans near Light Rail stations.

Previous work

None.

Proposed activities

1. Evaluation of collector street network around light rail stations and corresponding Compact Neighborhoods.

Products

1. New or Amended Collector Street Plans

Relationship to other plans and MPO activities

MTP, CTP, TIP

Proposed budget and level of effort

Majority of work to be performed by a Planner. (25 Hours)

DURHAM COUNTY
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

II-B-14. Rail, Water, or other Mode of the MTP

County staff will participate and assist the MPO in evaluating the rail elements of the 2045 MTP, including but not limited to any grade separation studies.

Objectives

Update the MTP rail element.

Previous work

Preparation of the rail element of the 2045 MTP and the CTP.

Proposed activities

1. Evaluation of the 2045 rail element

Products

1. Preferred rail element option; and

Relationship to other plans and MPO activities

MTP, CTP, TIP

Proposed budget and level of effort

Majority of work to be performed by a Planner. (25 Hours)

III-A-1. Planning Work Program

The County will administer the FY 2019-20 UPWP and prepare and process amendments as needed. It will evaluate transportation planning work needed and emphasis areas and prepare the FY 2019-20 UPWP. County staff will serve on the UPWP oversight committee for the MPO.

Objectives

Process amendments to the UPWP if necessary and provide input on UPWP oversight.

Previous work

County staff have been involved in previous UPWPs, providing oversight and guidance to UPWP management.

Proposed activities

1. Complete amendment spreadsheets as needed
2. Prepare Durham County's 2019-2020 UPWP documents and budget

Products

1. Amendment spreadsheets as needed
2. Durham County's previous fiscal year UPWP activities narrative and budget

Relationship to other plans and MPO activities

Required by federal law, the UPWP is the mechanism for regional transportation planning and coordination within the MPO.

Proposed budget and level of effort

Worked to be performed by a Planning Supervisor (20 Hours)

DURHAM COUNTY
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

III-B-1. TIP

The County will assist the MPO and NCDOT in development of the next STIP and MTIP and participate in the completion of the SPOT 5.0 process and beginning of the SPOT 6.0 process.

Objectives

To facilitate timely progress on TIP projects and process amendment when necessary. The County will finish participation in in review and coordination regarding the SPOT 5.0 prioritization process for the next TIP, and additionally begin participation for SPOT 6.0.

Previous work

County staff have been involved in previous TIPs, and SPOT 4.0 and SPOT 5.0

Proposed activities

1. Development transportation improvement projects for consideration by the County Commission
2. Develop 2020-2029 TIP
3. Refine project ranking methodology and priority system
4. Conduct public participation for the TIP consistent with the MPO Public Involvement Policy
5. Conduct formal amendments and adjustments as necessary
6. Produce and distribute TIP document for local officials
7. Attend regular meetings with NCDOT to exchange information regarding transportation improvement projects

Products

1. Assist and provide support to the LPA on SPOT 5.0 and SPOT 6.0
2. 2020-2029 Transportation Improvement Program

Relationship to other plans and MPO activities

2045 MTP

Proposed budget and level of effort

Worked to be performed by a Planner (60 Hours)

III-D-2. Environmental Analysis and Pre-TIP Planning

The County will participate regularly in feasibility studies and NEPA-related processes for pre-TIP projects.

Objectives

To participate regularly in feasibility studies and NEPA-related processes for pre-TIP projects.

Previous work

County staff have been involved in previous feasibility studies and NEPA-related processes

Proposed activities

1. Regular participation at project scoping, environmental study, and public meetings, especially those conducted by the NCDOT and GoTriangle
2. Review and comment on project scoping and environmental documents
3. County participation in NEPA process for TIP projects

Products

Written comments on project scoping and environmental studies, activities and documents.

DURHAM COUNTY
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Relationship to other plans and MPO activities
2045 MTP and TIP

Proposed budget and level of effort
Worked to be performed by a Planner and Planning Supervisor (48 Hours)

III-D-4. Regional or Statewide Planning
County staff will provide input to the regional transit agency and NCDOT regarding transportation issues. Staff will also serve on various regional transportation-related committees and boards.

Objectives
Provide input to the regional transit agency and serve on regional transportation-related boards and committees.

Previous work
County staff has served on various regional committees such the Triangle J Council of Governments CORE committee, which looks at regional transportation issues. County staff also provides input and data to the regional transit agency as requested.

Proposed activities
1. Work with regional planners on transportation planning that crosses jurisdictional borders
2. Provide input and data to the regional transit agency as requested

Products
1. Provide staff to regional committees
2. Provide coordination between local governments as needed

Relationship to other plans and MPO activities
2045 MTP

Proposed budget and level of effort
Work to be performed by a Planner and a Planning Supervisor. (150 Hours)

III-E-1. Management and Operations
Administrative tasks necessary to maintaining the 3C planning process will be completed.

Objectives
- Participate and contribute to MPO-related meetings.
- Adhere to the goals and tasks laid out in the Unified Planning Work Program.
- Ensure that elected officials have adequate information to make informed decisions on local and regional transportation issues.
- Ensure the local transportation advisory board has the information it needs to develop sound recommendations on local and regional transportation issues.
- Improve staff efficiency and knowledge through training sessions and educational materials.

Previous work
Similar to proposed activities described below

DURHAM COUNTY
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Proposed activities

1. Attend and participate in MPO Board and TC meetings
2. Staff development through professional training courses, seminars, and conferences
3. Prepare materials and present to the local elected officials related to local and regional transportation planning topics
4. Attend and participate in MPO subcommittee meetings

Products

1. Staff reports and communication with other County officials as well as elected officials and members of advisory boards

Relationship to other plans and MPO activities

See objectives and proposed activities.

Proposed budget and level of effort

Work to be performed by a Planner and a Planning Supervisor. (100 Hours)

Triangle J COG

		Task Description	STBGP 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
			Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local	NCDOT	Federal	Total
II	**A**	**Surveillance of Change**														
	1	Traffic Volume Counts	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	2	Vehicle Miles of Travel	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	3	Street System Changes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	4	Traffic Crashes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	5	Transit System Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	6	Dwelling Unit, Pop. & Emp. Change	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	7	Air Travel	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	8	Vehicle Occupancy Rates	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	9	Travel Time Studies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	10	Mapping	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	11	Central Area Parking Inventory	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	12	Bike & Ped. Facilities Inventory	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	13	Bike & Ped. Counts	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
			$0	$0												
II	**B**	**Long Range Transp. Plan (MTP)**	$0	$0												
	1	Collection of Base Year Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	2	Collection of Network Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	3	Travel Model Updates	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	4	Travel Surveys	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	5	Forecast of Data to Horizon year	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	6	Community Goals & Objectives	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	7	Forecast of Futurel Travel Patterns	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	8	Capacity Deficiency Analysis	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	9	Highway Element of the MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	10	Transit Element of the MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	11	Bicycle & Ped. Element of the MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	12	Airport/Air Travel Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	13	Collector Street Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	14	Rail, Water or other mode of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	15	Freight Movement/Mobility Plannin	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	16	Financial Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	17	Congestion Management Strategies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	18	Air Qual. Planning/Conformity Anal	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
			$0	$0												
II	**C**	**Short Range Transit Planning**	**$0**	**$0**												
	1	Short Range Transit Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
			$0	$0												
III-A		**Planning Work Program**	$0	$0												
	1	Planning Work Program	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
			$0	$0												
III-B		**Transp. Improvement Plan**	$0	$0												
	1	TIP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
			$0	$0												
III-C		**Cvl Rgts. Cmp./Otr .Reg. Reqs.**	$0	$0												
	1	Title VI	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	2	Environmental Justice	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	3	Minority Business Enterprise	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	4	Planning for the Elderly & Disabled	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	5	Safety/Drug Control Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	6	Public Involvement	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	7	Private Sector Participation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
			$0	$0												
III-D		**Incidental Plng./Project Dev.**	$0	$0												
	1	Transportation Enhancement Plng.	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	2	Enviro. Analysis & Pre-TIP Plng.	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	3	Special Studies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
	4	Regional or Statewide Planning	$16,250	$65,000	$0	$0	$0	$0	$0	$0	$0	$0	$16,250	$0	$65,000	$81,250
			$0	$0												
III- E		**Management & Operations**	$0	$0												
	1	Management & Operations	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Totals			$16,250	$65,000	$0	$0	$0	$0	$0	$0	$0	$0	$16,250	$0	$65,000	$81,250

Triangle J Council of Governments
TASK DESCRIPTIONS & NARRATIVES
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III-D-4. Regional or Statewide Planning.
Facilitate and/or manage joint activities and undertake analysis work in land use, transportation and air quality planning that involve multiple MPO, RPO, local government, transit agency, state and federal agency and private sector partners.

Objectives
To ensure that activities that have a scope or scale that transcend any single MPO are done in coordinated, timely, effective and cost-efficient ways.

Previous work
Facilitation and preparation of Joint 2045 Metropolitan Transportation Plan; MTP and TIP air quality conformity coordination and determination report reparation, TRM executive committee support, facilitate joint MPO technical team meetings, Joint MPO Executive Committee coordination, assist with preparation and conduct of Joint MPO Policy Boards meetings, GoTriangle and county transit plan participation, MPO area plan and project participation. Assist with 2016 TRM estimation year data. Increased validation site data for CommunityViz using intern.

Proposed activities
Major activities will include preparation of CommunityViz 3.0 for use with the 2050 MTP, 2045 MTP follow-up and amendments; TRM executive committee support; facilitation of joint MPO technical, executive committee and policy board meetings and deliverables. Expanded activity would be: 1) continued transition of some socioeconomic data and method responsibilities from ITRE TRM team to TJCOG CommunityViz team; and 2) helping MPOs track land use, socioeconomic and housing related performance metrics in the Metropolitan Transportation Plan, county transit plans and major transit capital projects (e.g., DO LRT, Wake-Durham Commuter Rail).

Products
- CommunityViz 3.0 process and data activities and schedule, including incorporation of new place types from DO LRT TOD project
- 2045 MTP amendments and conformity determination reports
- joint MPO technical, executive committee and policy boards meeting support
- Triangle Regional Model Executive Committee documentation
- Transportation-land use-affordable housing data and reports, as appropriate
- Systematic performance metric tracking from 2045 MTP and county transit plans for land use, affordable housing and related socioeconomic characteristics (data in transit station areas to be coordinated with GoTriangle)
- improve validation site database, especially for urban and mixed use place types near transit, with more sites and closer integration with InfoUSA or other employment site data.

Relationship to other plans and MPO activities
This work is most closely tied to the DCHC 2045 MTP implementation and amendment process and refined data and methods related to version 6 of the Triangle Regional Model. Work enables the DCHC MPO to ensure consistent and seamless coordination with CAMPO and other regional transportation partners and local community planning efforts.

Proposed budget and level of effort
Budget largely supports staff work by Planning Director, Senior Planner, Planner II, and GIS Analyst, with some direct costs associated with travel and meeting expenses, data purchases and allocated indirect.

Triangle J Council of Governments
TASK DESCRIPTIONS & NARRATIVES
FY 2020 UPWP

Task Code - Title	Local 20%	FHWA 80%	Total
III-D-4 – Regional or Statewide Planning	$16,250	$65,000	$81,250

Funding Commitments from other Entities:
20% local match to be provided by TJCOG; other funding participation in joint effort from CAMPO and GoTriangle as in previous years.

Town of Chapel Hill

	Task Description	STBGP 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local	NCDOT	Federal	Total
II-A	**Surveillance of Change**														
1	Traffic Volume Counts	$1,113	$4,451	$0	$0	$0	$0	$0	$0	$0	$0	$1,113	$0	$4,451	$5,564
2	Vehicle Miles of Travel	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Street System Changes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Traffic Crashes	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	Transit System Data	$0	$0	$0	$0	$870	$870	$6,960	$0	$0	$0	$870	$870	$6,960	$8,700
6	Dwelling Unit, Pop. & Emp. Change	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	Air Travel	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	Vehicle Occupancy Rates	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	Travel Time Studies	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
10	Mapping	$2,319	$9,274	$0	$0	$3,410	$3,410	$27,280	$0	$0	$0	$5,729	$3,410	$36,554	$45,693
11	Central Area Parking Inventory	$649	$2,597	$0	$0	$0	$0	$0	$0	$0	$0	$649	$0	$2,597	$3,246
12	Bike & Ped. Facilities Inventory	$1,484	$5,935	$0	$0	$1,052	$1,052	$8,416	$0	$0	$0	$2,536	$1,052	$14,351	$17,939
13	Bike & Ped. Counts	$1,113	$4,451	$0	$0	$856	$856	$6,848	$0	$0	$0	$1,969	$856	$11,299	$14,124
		$0	$0			$0	$0	$0							
II-B	**Long Range Transp. Plan (MTP)**	$0	$0			$0	$0	$0							
1	Collection of Base Year Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Collection of Network Data	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Travel Model Updates	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Travel Surveys	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
5	Forecast of Data to Horizon year	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	Community Goals & Objectives	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
7	Forecast of Futurel Travel Patterns	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
8	Capacity Deficiency Analysis	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
9	Highway Element of the MTP	$2,040	$8,161	$0	$0	$0	$0	$0	$0	$0	$0	$2,040	$0	$8,161	$10,201
10	Transit Element of the MTP	$0	$0	$0	$0	$952	$952	$7,616	$0	$0	$0	$952	$952	$7,616	$9,520
11	Bicycle & Ped. Element of the MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
12	Airport/Air Travel Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
13	Collector Street Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
14	Rail, Water or other mode of MTP	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
15	Freight Movement/Mobility Plannin	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
16	Financial Planning	$1,206	$4,822	$0	$0	$653	$653	$5,224	$0	$0	$0	$1,859	$653	$10,046	$12,558
17	Congestion Management Strategies	$1,855	$7,419	$0	$0	$820	$820	$6,560	$0	$0	$0	$2,675	$820	$13,979	$17,474
18	Air Qual. Planning/Conformity Ana	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0							
II-C	**Short Range Transit Planning**	$0	$0			$0	$0	$0							
	Short Range Transit Planning	$0	$0	$0	$0	$880	$880	$7,040	$0	$0	$0	$880	$880	$7,040	$8,800
		$0	$0			$0	$0	$0							
III-A	**Planning Work Program**	$0	$0			$0	$0	$0							
	Planning Work Program	$927	$3,710	$0	$0	$760	$760	$6,080	$0	$0	$0	$1,687	$760	$9,790	$12,237
		$0	$0			$0	$0	$0							
III-B	**Transp. Improvement Plan**	$0	$0			$0	$0	$0							
	TIP	$4,173	$16,694	$0	$0	$2,449	$2,449	$19,592	$0	$0	$0	$6,622	$2,449	$36,286	$45,357
		$0	$0			$0	$0	$0							
III-C	**Cvl Rgts. Cmp./Otr .Reg. Reqs.**	$0	$0			$0	$0	$0							
1	Title VI	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Environmental Justice	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	Minority Business Enterprise	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	Planning for the Elderly & Disabled	$0	$0	$0	$0	$240	$240	$1,920	$0	$0	$0	$240	$240	$1,920	$2,400
5	Safety/Drug Control Planning	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
6	Public Involvement	$0	$0	$0	$0	$488	$488	$3,904	$0	$0	$0	$488	$488	$3,904	$4,880
7	Private Sector Participation	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0							
III-D	**Incidental Plng./Project Dev.**	$0	$0			$0	$0	$0							
1	Transportation Enhancement Plng.	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	Enviro. Analysis & Pre-TIP Plng.	$0	$0	$0	$0	$236	$236	$1,888	$0	$0	$0	$236	$236	$1,888	$2,360
3	Special Studies	$3,122	$12,490	$0	$0	$820	$820	$6,560	$0	$0	$0	$3,942	$820	$19,050	$23,812
4	Regional or Statewide Planning	$2,782	$11,129	$0	$0	$1,040	$1,040	$8,320	$0	$0	$0	$3,822	$1,040	$19,449	$24,311
		$0	$0			$0	$0	$0							
III-E	**Management & Operations**	$0	$0			$0	$0	$0							
1	Management & Operations	$1,199	$4,796	$0	$0	$1,624	$1,624	$12,992	$0	$0	$0	$2,823	$1,624	$17,788	$22,235
	Totals	$23,983	$95,929	$0	$0	$17,150	$17,150	$137,200	$0	$0	$0	$41,133	$17,150	$233,129	$291,411

Anticipated DBE Contracting Opportunities for 2020

Name of MPO: _Durham-Chapel Hill-Carrboro MPO: Town of Chapel Hill __x__ Check here if no anticipated DBE opportunities

Person Completing Form: _Bergen Watterson/Town of Chapel Hill___ Telephone Number: ____919-969-5064_____

Prospectus Task Code	Prospectus Description	Name of Agency Contracting Out	Type of Contracting Opportunity (Consultant, etc.)	Federal Funds to be Contracted Out	Total Funds to be Contracted Out

Sample Entry:

II-C-11	Transit Plan Evaluation	Big City Planning Department	Consultant	$48,000	$60,000

Note: This form <u>must</u> be submitted to NCDOT-PTD <u>even if</u> you anticipate <u>no</u> DBE Contracting Opportunities. Note "No contracting opportunities" on the table if you do not anticipate having any contracting opportunities.

TOWN OF CHAPEL HILL
FTA TASK NARRATIVE TABLE
FY2020 UPWP

1-	MPO	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**
2-	FTA Code	*442400*	*442301*	*442302*	*442302*	*442302*	*442302*	*442302*	*442400*	*442100*	*442500*	*442400*	*442400*	*442400*
3-	Task Code	*II-A-5*	*II-A-10*	*II-A-12*	*II-A-13*	*II-B-10*	*II-B-16*	*II-B-17*	*II-C-1*	*III-A-1*	*III-B-1*	*III-C-4*	*III-C-6*	*III-D-2*
4-	Title of Planning Task	*Transit System Data*	*Mapping*	*Bicycle and Pedestrian Facility Intentory*	*Bicycle and Pedestrian Counts*	*Transit Element of the MTP*	*Financial Planning*	*Congestion Management Strategies*	*Short Range Transit Planning*	*Planning Work Program*	*Transportation Improvement Program*	*Planning for the Elderly and Disabled*	*Public Involvement*	*Environmental Analysis and Pre TIP Planning*
5-	Task Objective	Collect daily, weekly and monthly ridership counts; compile service related information by route. Assemble transit system characteristics. Provide annual TAM and State of Good Repair target inventories	Participate with MPO in further development of regional GIS database; prepare mapping to support local and regional activities	Collect data on existing biycle and pedestrian facilities to assess connectivity and access to transit options	Collect data on existing biycle and pedestrian activity from transportation impact surveys and Towns network of counters as part of transit route assessment.	Support the evaluation of the transit element of the 2045 MTP, including DO-LRT, Commuter Rail, and BRT activities. Finalize the Chapel Hill Transit short range transit plan	Monitor implementation of adopted Financial Plan for 2045 MTP, Orange County Transit Plan, and other plans/projects	Support the updates of the MPO CMP and Mobility Report Card activities. Coordinate wth Triangle Regional TDM program to implement regionwide TDM program. Review development TIAs and evaluate impacts on transit.	Support the development of a regional LRT/BRT/Commuter rail plan. Continue with CHT short range transit planning to coordinate with regional efforts.	Development of the FY21 UPWP, process amendments to the FY20 UPWP as necessary, prepare quarterly invoice and reimbursement requests.	Prepare information for the SPOT 6.0 process, monitor and implement the adopted TIP and prepare information for amendments to TIP.	Assess impact of transit service on elderly and handicapped populations. Implement Town's ADA Transition Plan	Ensure public participation and input throughout the transportation planning process	Participate in NCDOT and Town project development, including feasibility studies and environmental studies/NEPA
6-	Tangible Product Expected	Ridership counts, routes/service assessment, traffic signal assessment, annual TAM and SGR inventories and targets	MPO Regional GIS database and CMS database.	Data on existing biycle and pedestrian facilities.	Data on existing biycle and pedestrian activity.	Evaluation of transit preferred options, update 2045 transit tables and attributes, update geodatabase of transit perferred option and final 2045 projects	Refinements to the 2045 MTP financial plan, quarterly reports and annual work plan for the OC Transit Plan, other budgets and workplans for transit projects	Preparation of DCHC MPO CMS and Mobility Report Card. Development of TDM program, developments with appropriate traffic mitigation	CHT short-range transit plan, system performance report, GIS shapefiles of routes and proposed changes	Draft and final FY21 UPWP, quarterly invoices and reports, amendment of UPWP as necessary, tansmittal of documentation, work products/deliverable highlighted elsewhere to the LPA	Preliminary SPOT 6.0 projects, budgets and progress reports for ongoing TIP projects, amendments as needed	Annual assessment, updated ADA plan/activities, route maps showing ADA target areas	Summary of public involvement activities	Feasibility and environmental studies for STIP, BRT, and other local transportation projects
7-	Expected Completion Date of Product(s)	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020	6/30/2020
8-	Previous Work	Data Collection	Support for development of geo spatial database. Maintained current transit GIS data	Collection of bike and pedestrian facility data	Collection of bike and pedestrian count data	Development of 2045 MTP transit projects, Orange County Transit Plan inputs, BRT alternatives analysis	2045 Financial Plan and CHT's Financial Sustainability Plan	2016 Mobility Report Card, previous years' TDM programs and reports	2040/2045 MTP, Orange County Transit Plan, CHT Financial Sustainability Plan, N-S Corridor Study	Development and management of previous years' UPWPs	SPOT 4.0/5.0 project submissions, current TIP/STIP, monitoring and implementing past TIP projects	Ongoing monitoring, CHT bus stop facility inventory	Public meetings for 2045 MTP and CTP, meetings and surveys for SRTP and BRT	SPOT 4.0/5.0 project submittals, N-S Corridor Study Alternatives Analysis
9-	Prior FTA Funds													
10-	Relationship To Other Activities	Supports implementation of MTP and Orange County Transit Plan. Input to Short-Range Transit Plan and TDM activities	Supports development and implementation of MTP, Orange County Transit Plan, and other MPO-related activities	Supports development and implementation of MTP, Orange County Transit Plan, Mobility and Connectivity Plan, and other MPO-related activities	Supports development and implementation of MTP, Orange County Transit Plan, Mobility and Connectivity Plan, and other MPO-related activities	Supports development and implementation of MTP, Orange County Transit Plan, and other MPO-related activities	Supports development and implementation of MTP, Orange County Transit Plan, and other MPO-related activities	Supports development of CMS. Supports implementation of regional TDM programs.	Supports development and implementation of MTP, Orange County Transit Plan, and other MPO-related activities	Supports Implemenation of annual work program	Supports implementaiton of adopted MTP and TIP	Supports the MPO ADA Plan	Supports all MPO and Town transportation planning activities	Supports all MPO and Town transportation planning activities
11-	Agency Responsible for Task Completion	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill
12-	HPR - Highway - NCDOT 20%													
13-	HPR - Highway - FHWA 80%													
14-	Section 104 (f) PL Local 20%													
15-	Section 104 (f) PL FHWA 80%													
16-	Section 5303 Local 10%	$870	$3,410	$1,052	$856	$952	$653	$820	$880	$760	$2,449	$240	$488	$236
17-	Section 5303 NCDOT 10%	$870	$3,410	$1,052	$856	$952	$653	$820	$880	$760	$2,449	$240	$488	$236
18-	Section 5303 FTA 80%	$6,960	$27,280	$8,416	$6,848	$7,616	$5,224	$6,560	$7,040	$6,080	$19,592	$1,920	$3,904	$1,888
19-	Section 5307 Transit - Local 10%													
20-	Section 5307 Transit - NCDOT 10%													
21-	Section 5307 Transit - FTA 80%													
22-	Section 5309 Transit - Local 10%													
23-	Section 5309 Transit - NCDOT 10%													
24-	Section 5309 Transit - FTA 80%													
		$8,700	$34,100	$10,520	$8,560	$9,520	$6,530	$8,200	$8,800	$7,600	$24,490	$2,400	$4,880	$2,360
		$8,700	$34,100	$10,520	$8,560	$9,520	$6,530	$8,200	$8,800	$7,600	$24,490	$2,400	$4,880	$2,360

TOWN OF CHAPEL HILL
FTA TASK NARRATIVE TABLE
FY2020 UPWP

1-	MPO	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	**DCHC-MPO (Chapel Hill)**	
2-	FTA Code	*442700*	*442200*	*442100*	
3-	Task Code	*III-D-3*	*III-D-4*	*III-E*	
4-	Title of Planning Task	*Special Studies*	*Regional or Statewide Planning*	*Management and Operations*	*TOTALS*
5-	Task Objective	Prepare special studies to support ongoing transit operations. Conduct station area infrastructure inventory evaluation.	Support regional and statewide planning projects, including DO-LRT, 15-501 Corridor Study, 15-501 Feasibility Study, NC 54 corridor design/NEPA, and NC 54 Pedestrian Safety Study	Support various transit planning activities	
6-	Tangible Product Expected	Participation in design/NEPA for BRT, station area infrastructure inventory, work on other special studies as needed	LRT station area plans, participation in NCDOT US 15-501/Fordham Blvd. corridor study, 15-501 Feasibility Study, NC 54 design/NEPA	Ongoing transit activities and reporting requirements	
7-	Expected Completion Date of Product(s)	6/30/2020	6/30/2020	6/30/2020	
8-	Previous Work	Mobility and Connectivity Plan, N-S Corridor Study Alternatives Analysis	US 15-501 South Corridor Study, NC 54 Corridor Study	Management of transit planning activities	
9-	Prior FTA Funds				
10-	Relationship To Other Activities	Supports implementation of adopted MTP, TIP and other state/federally funded projects	Supports the implementation of the adopted 2045 MTP, TIP, and the Chapel Hill Short Range Transit Plan.	Supports all other transit planning activities MPO-wide.	
11-	Agency Responsible for Task Completion	Town of Chapel Hill	Town of Chapel Hill	Town of Chapel Hill	
12-	HPR - Highway - NCDOT 20%				
13-	HPR - Highway - FHWA 80%				
14-	Section 104 (f) PL Local 20%				$0
15-	Section 104 (f) PL FHWA 80%				$0
16-	Section 5303 Local 10%	$820	$1,040	$1,624	$17,150
17-	Section 5303 NCDOT 10%	$820	$1,040	$1,624	$17,150
18-	Section 5303 FTA 80%	$6,560	$8,320	$12,992	$137,200
19-	Section 5307 Transit - Local 10%				$0
20-	Section 5307 Transit - NCDOT 10%				$0
21-	Section 5307 Transit - FTA 80%				$0
22-	Section 5309 Transit - Local 10%				$0
23-	Section 5309 Transit - NCDOT 10%				$0
24-	Section 5309 Transit - FTA 80%				$0
		$8,200	$10,400	$16,240	$171,500
					$0
		$8,200	$10,400	$16,240	

City of Durham & GoDurham

	Task Description	STBGP 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
		Local	FHWA	Local	FHWA	Local	NCDOT	FTA	Local		FTA	Local	NCDOT	Federal	Total
		20%	80%	20%	80%	10%	10%	80%	20%		80%				
II-A	**Surveillance of Change**														
1	Traffic Volume Counts	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
2	Vehicle Miles of Travel	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
3	Street System Changes	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
4	Traffic Crashes	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
5	Transit System Data	$0	$0	$0	$0	$8,076	$8,076	$64,608	$11,084		$44,336	$19,160	$8,076	$108,944	$136,180
6	Dwelling Unit, Pop. & Emp. Change	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
7	Air Travel	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
8	Vehicle Occupancy Rates	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
9	Travel Time Studies	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
10	Mapping	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
11	Central Area Parking Inventory	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
12	Bike & Ped. Facilities Inventory	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
13	Bike & Ped. Counts	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0	$0		$0				
II-B	**Long Range Transp. Plan (MTP)**	$0	$0			$0	$0	$0	$0		$0				
1	Collection of Base Year Data	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
2	Collection of Network Data	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
3	Travel Model Updates	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
4	Travel Surveys	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
5	Forecast of Data to Horizon year	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
6	Community Goals & Objectives	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
7	Forecast of Futurel Travel Patterns	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
8	Capacity Deficiency Analysis	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
9	Highway Element of the MTP	$1,198	$4,793	$0	$0	$0	$0	$0	$0		$0	$1,198	$0	$4,793	$5,991
10	Transit Element of the MTP	$1,198	$4,793	$0	$0	$326	$326	$2,608	$1,016		$4,064	$2,540	$326	$11,465	$14,331
11	Bicycle & Ped. Element of the MTP	$31,198	$124,793	$0	$0	$0	$0	$0	$0		$0	$31,198	$0	$124,793	$155,991
12	Airport/Air Travel Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
13	Collector Street Element of MTP	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
14	Rail, Water or other mode of MTP	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
15	Freight Movement/Mobility Planning	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
16	Financial Planning	$0	$0	$0	$0	$326	$326	$2,608	$19,668		$78,672	$19,994	$326	$81,280	$101,600
17	Congestion Management Strategies	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
18	Air Qual. Planning/Conformity Anal.	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0	$0		$0				
II-C	**Short Range Transit Planning**	$0	$0			$0	$0	$0	$0		$0				
1	Short Range Transit Planning	$0	$0	$0	$0	$2,610	$2,610	$20,880	$21,124		$84,496	$23,734	$2,610	$105,376	$131,720
		$0	$0			$0	$0	$0	$0		$0				
III-A	**Planning Work Program**	$0	$0			$0	$0	$0	$0		$0				
	Planning Work Program	$1,198	$4,793	$0	$0	$0	$0	$0	$0		$0	$1,198	$0	$4,793	$5,991
		$0	$0			$0	$0	$0	$0		$0				
III-B	**Transp. Improvement Plan**	$0	$0			$0	$0	$0	$0		$0				
	TIP	$4,793	$19,171	$0	$0	$653	$653	$5,224	$2,036		$8,144	$7,482	$653	$32,539	$40,674
		$0	$0			$0	$0	$0	$0		$0				
III-C	**Cvl Rgts. Cmp./Otr .Reg. Reqs.**	$0	$0			$0	$0	$0	$0		$0				
1	Title VI	$0	$0	$0	$0	$326	$326	$2,608	$736		$2,944	$1,062	$326	$5,552	$6,940
2	Environmental Justice	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
3	Minority Business Enterprise	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
4	Planning for the Elderly & Disabled	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
5	Safety/Drug Control Planning	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
6	Public Involvement	$1,198	$4,793	$0	$0	$326	$326	$2,608	$1,972		$7,888	$3,496	$326	$15,289	$19,111
7	Private Sector Participation	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0	$0		$0				
III-D	**Incidental Plng./Project Dev.**	$0	$0			$0	$0	$0	$0		$0				
1	Transportation Enhancement Plng.	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
2	Enviro. Analysis & Pre-TIP Plng.	$5,991	$23,964	$0	$0	$0	$0	$0	$0		$0	$5,991	$0	$23,964	$29,955
3	Special Studies	$5,991	$23,964	$0	$0	$0	$0	$0	$0		$0	$5,991	$0	$23,964	$29,955
4	Regional or Statewide Planning	$0	$0	$0	$0	$0	$0	$0	$0		$0	$0	$0	$0	$0
		$0	$0			$0	$0	$0	$0		$0				
III-E	**Management & Operations**	$0	$0			$0	$0	$0	$0		$0				
1	Management & Operations	$1,198	$4,793	$0	$0	$5,207	$5,207	$41,656	$4,328		$17,312	$10,733	$5,207	$63,761	$79,701
Totals		$53,964	$215,856	$0	$0	$17,850	$17,850	$142,800	$61,964		$247,856	########	$17,850	$606,512	$758,140

Anticipated DBE Contracting Opportunities for 2020

Name of MPO: ___Durham Chapel Hill Carrboro MPO_(GoDurham)__ __X___ Check here if no anticipated DBE opportunities

Person Completing Form: _Neeton Nichols_____ Telephone Number: 919 560-4366_____

Prospectus Task Code	Prospectus Description	Name of Agency Contracting Out	Type of Contracting Opportunity (Consultant, etc.)	Federal Funds to be Contracted Out	Total Funds to be Contracted Out

Sample Entry:

II-C-11	Transit Plan Evaluation	Big City Planning Department	Consultant	$48,000	$60,000

Note: This form <u>must</u> be submitted to NCDOT-PTD <u>even if</u> you anticipate <u>no</u> DBE Contracting Opportunities. Note "No contracting opportunities" on the table if you do not anticipate having any contracting opportunities.

GoDurham (formerly DATA)
FTA TASK NARRATIVE TABLE
FY2020 UPWP

1-	MPO	**DCHC-MPO (DATA)**	**DCHC-MPO (DATA)**	**DCHC-MPO (DATA)**	**DCHC-MPO (DATA)**	**DCHC-MPO (DATA)**	**DCHC-MPO (DATA)**	**DCHC-MPO (DATA)**	**DCHC-MPO (DATA)**	
2-	FTA Code	442400	442302	442302	442400	442500	442100	442400	442100	
3-	Task Code	*II-A-5*	*II-B-10*	*II-B-16*	*II-C-1*	*III-B-1*	*III-C-1*	*III-C-6*	*III-E-1*	
4-	Title of Planning Task	***Transit System Data***	***Transit Element of the LRTP***	***Financial Planning***	***Short Range Transit Planning***	***Transportation Improvement Program (TIP)***	***Title VI***	***Public Involvement***	***Management and Operations***	*TOTALS*
5-	Task Objective	This element is essenatilly about transit performance mesausres that are obtained through the compilation and analysis of FTA and NCDOT required service data obtained from the fixed route and paratransit systems . Conduct system-wide surveys while, providing on-going montoring of the systems These performance measures are compared with historical values to gauge the overal service delivery and consuption strength. Provide oversight of passenger amenities including AVL and related technologies, Compile daily, weekly and monthly ridership data and reports for all agencies. Provide ongoing support to MPO in long range transit, UPWP and TIP development. Key objectives include: integrating APC data in to the transit GIS system through routes and stops analysis that are segmented at TAZ levels, improving the geodatabase of transit routes and stops and updating the inventory of all such transit amenities.	To proivde on-going support to the MPO's effort toward annual updates of the DCHC -MPO s Long Range Transportation Plan including work on the transit transit of the CTP and Transit elements of the 2045 MTP. The support would be in the form of transit data compllation, including service area maps, schedules and patron information as a component of the socio economic data needed for the regular update of the LRTP. A key objective is updating the transit element of the Coordinated Transportation Plan, CTP and MTP.	To prepare and Monitor the City's Fiscal programs including FTA and NCDOT grants. Apply for and administer grants in TEAM and also in City's Munis system. Monitor and ensure complete compliance with all financial procedures. Track all contracts with third party providers ensuring prompt payment and compliance of all purhcases with state, federal and local laws.	To provide systen-wide planning oversight of both the fixed route and paratransit services including the monitoring of AVL project, Zonar (pre-trip inspection device) Automatic Passenger counters (APC) On-board camera and video systems and GFI farebox input and output. Also, this task would include the conduct of FTA mandated NTD survey for fixed route system. Key objectives include: integrating APC data in to the transit GIS, summarizing and tabulating gathered AVL data,and updating the inventory of transit stops shelters and related amenities and also the development of geo-spatial mapping. Also, this task would prepare and monitor the City's Fiscal programs including FTA and NCDOT grants. Apply for and administer grants in TEAM and also in City's Munis system. Monitor and ensure complete compliance with all financial procedures. Track all contracts with third party providers ensuring prompt payment and compliance of all purhcases with state, federal and local laws	To continue the program of developing transit plans for imporving transit serviceas well as local area transportation as a whole. This would be achieved by identifying area of the City needing transit service and also improving upon the current level of service provided through on-going surveys. Additional tasks would include updating the transit element of the Coordinated Transportation Plan.Key objectives include: integrating APC data in to the transit GIS, summarizing and tabulating gathered AVL data,and updating the inventory of transit stops shelters and related amenities and also the development of geo-spatial mapping.	To provide ongoing education, service monitoring and system analysis and data compilation related to service changes in line with anticipation of Title VI Civil Rights mandates. This review would be done related to the DBBS program for the fixed route service in consultation with the FTA in order to ensure that all service changes over and above 10% are done with Title VI mandates in mind to ensure equity and faimess in the delivery of current fixed route transit service. This task will also include a checklist of certified ADA clientel, ADA service quality provided, ADA certification reviews, ADA service efficiency and effectiveness.	To seek out untapped patrons of the transit service through the use of aggressive public involvement and sustained marketing of the system. Also to enagage the Public in all matters related to proposed service changes, to respond to the concerns of the public and to seek their input as it relates to all Ttle VI matters.	To provide overall transit system management and operations oversight of the fixed route and paratransit services, including service delivery, budgeting,service montoring and reporting, personnel, short and long range system planning and system development as well as capital improvements. A key objective is developing our asset management system, performance measures and targets.Futher, to work with City Transportation and Finance staff to develop federally mandated Asset Management including associated performance measures and targets.	
6-	Tangible Product Expected from the Transit system will include but not limited to the following:	Monthly and annual statistical data compiled as part of the ongoing service data collection. They include such repots as monthly ridership, monthly safety data, monthly service supplied information, AVL and APC data This information is aggregated into OPSTATS report for the state, Monthly and annual NTD reports for the FTA, and monthly Workplan data for City Management staff as well as the MPO staff for use in the LRTP efforts.	Transit Maps, GIS Overlays, Socioeconomic data compilation associated with the transit operations such as OPStATS report, NTD Monthly and Annual reports, Transit Budget summaries, Passenger amenities use and inventory report, vehicle use and operation, short, and long term plans and all others specific reports and analysis that the MPO desires as part of this overall on-going transportation planning program	Grants, budget documents, Purchase orders, Bid documents Ledgers, Fund balances and maintenance of asset and related inventory.	Weekly , Monthly, and annual system-wide ridership monitoring reports, APC and AVL reports, NTD survey outcome, Grants, budget documents, Purchase orders, Bid documents Ledgers, fund balances and maintenance of asset and related inventory including geospatial maps and overlays.	Maps of service changes, Public input process and outcomes, Public hearings, City Council reports, service implementation plans and related processes.	Title VI doucment related to all service changes that require that we provide such analysis for review and approval by the FTA. Mailing list of all ADA clients for the purpose of reviews, approved and denied trips, wait time list, No Show lst, No Show handling, suspensions and wait-time compilation catalogue.	Public meeting agenda, outcome and reports, Public hearing notices and summary reports, meetig attendance and related Council reports	Budget outlay, monthly and annual operational and ridership reports, service planning information, safety and traning reports, service marketing and outreach programs personnel matters Asset Management and inventory reports.	
7-	Expected Completion Date of Product(s)	6/30/2019	6/30/2019	6/30/2019	6/30/2019	6/30/2019	6/30/2019	6/30/2019	6/30/2019	
8-	Previous Work	These activities are on-going and were completed in previous years as part of 5303 and 5307 funded task element	2016 Planning Work Program	Same as above. This is also an ongoing task element conducted by the fiscal program accountant.	On-going	On-going on an annual basis.	Same as above	On-going	Same as above	
9-	Prior FTA Funds	$52,780	$4,830	$93,640	$100,580	$9,690	$3,500	$9,370	$20,610	$295,000
10-	Relationship To Other Activities	Related to task III-E	This program is intended to support various MPO planning efforts related on the LRTP updates	Related to task III-E	Data retrieved would be used to disserminate service delivery and patronage information to transit management, City Council, FTA, NCDOT	These activities outlined also the MPO;s overall FY18 Unified Work Program.	Related to task III-E	This effort relates to and supports the MPOs overall FY18 unified Work Program of enhancing transportation	Related to task III-E	
11-	Agency Responsible for Task Completion	GoDurham		GoDurham	GoDurham/GoTriangle	GoDurham/GoTriangle	GoDurham/GoTriangle		GoDurham	
12-	HPR - Highway - NCDOT 20%									
13-	HPR - Highway - FHWA 80%									
14-	Section 104 (f) PL Local 20%									
15-	Section 104 (f) PL FHWA 80%									
16-	Section 5303 Local 10%	$8,076	$326	$326	$2,610	$653	$326	$326	$5,207	$17,850
17-	Section 5303 NCDOT 10%	$8,076	$326	$326	$2,610	$653	$326	$326	$5,207	$17,850
18-	Section 5303 FTA 80%	$64,608	$2,608	$2,608	$20,880	$5,224	$2,608	$2,608	$41,656	$142,800
19-	Section 5307 Transit - Local 10%	$5,542	$508	$9,834	$21,124	$1,018	$368	$986	$2,164	$41,594
20-	Section 5307 Transit - NCDOT 10%	$5,542	$508	$9,834	$0	$1,018	$368	$986	$2,164	$20,420
21-	Section 5307 Transit - FTA 80%	$44,336	$4,064	$78,672	$84,496	$8,144	$2,944	$7,888	$17,312	$247,856

Draft FY 2020 Unified Planning Work Program (UPWP) for the DCHC MPO

MPO Board Meeting

February 27, 2019

FY2020 UPWP

Summary of federal funding by agency

	FHWA	FTA Transit Planning		
Agency	Planning	5303	5307	Total
Lead Planning Agency	$1,917,111			$1,917,111
Carrboro	$25,680			$25,680
Chapel Hill	$95,929	$137,200		$233,129
Chatham County	$0			$0
Durham City	$215,856			$215,856
Durham County	$46,630			$46,630
Hillsborough	$0			$0
Orange County	$0			$0
TJCOG	$65,000			$65,000
GoDurham		$142,800	$247,856	$390,656
GoTriangle			$	$
Total	$2,366,206	$280,000	$247,856	$2,894,062

- An additional $164,010 (federal) has been added to the LPA budget for FHWA (PL) funds following change in allocation by NCDOT. Funds will be programmed in special studies for use on Triangle Bikeway Study and/or for TIP database project and others as needed.

FY2020 UPWP Funding Sources

Summary of all funding sources (p 16)

	Federal	State	Local	Total
PL/STBG-DA (FHWA)	$2,366,206		$591,553	$2,957,759
FTA 5303	$280,000	$35,000	$35,000	$350,000
FTA 5307	$247,856		$61,964	$309,820
Total	$2,894,062	$35,000	$688,517	$3,617,579

FHWA federal funding includes:

- Planning (PL) - Section 104(f) federal funding: $ 517,111
- STBG-DA - Section 133(b)(3)(7) federal funding: $1,849,095

Additional PL fund breakdown: $164,010 (federal), $41,003 (local) $205,013 (total)

FY 2020 UPWP COMMITTEE ACTIONS

- TC Recommendation (1/23 and 2/27/19):

  Recommended the Board approve the FY20 UPWP.

- Board Action (2/27/19):

  Hold public hearing and approve FY20 UPWP.

A RESOLUTION OPPOSING ALTERNATIVE 4A AS A DESIGN FOR MODIFICATIONS TO EUBANKS ROAD AND NC 86 AS PART OF NCDOT PROJECT I-3306A FOR PROPOSED WIDENING OF I-40 FROM I-85 TO DURHAM COUNTY LINE (2019-01-30/R-7)

WHEREAS, the North Carolina Department of Transportation (NCDOT) has initiated a project for widening I-40 in Orange County, which includes proposed modifications to Eubanks Road as part of reconstruction of the I-40 / NC 86 interchange; and

WHEREAS, NCDOT has developed alternative designs for modifications to Eubanks Road and has shared them with the public for feedback in January of 2019; and

WHEREAS, alternative 4A and precursor designs depicted a realignment of Eubanks Road through the Northwood neighborhood that would necessitate the demolition of multiple homes and would create substantial negative impacts to the neighborhood fabric; and

WHEREAS, residents of the Northwood neighborhood submitted a petition to the Town of Chapel Hill which has now received more than 500 signatures, urging a design solution that does not endanger homes, property values, well and septic infrastructure, or neighborhood character; and

WHEREAS, the Transportation and Connectivity Advisory Board of the Town of Chapel Hill approved a statement at its meeting on January 22, 2019 opposing alternative 4A and recommending a plan that minimizes impacts on surrounding neighborhoods; and

WHEREAS, NCDOT has been exploring additional alternatives such as the one shown on Map 4B which align Eubanks Road in a way that reduces impacts to the Northwood neighborhood.

NOW, THEREFORE, BE IT RESOLVED by the Council of the Town of Chapel Hill that the Council hereby states its opposition to the alternative 4A realignment of Eubanks Road, as depicted on NCDOT Public Meeting Map 4A, for this portion of the design for NCDOT Project I-3306A.

BE IT FURTHER RESOLVED that the Council is supportive of a design that does not significantly alter the alignment of Eubanks Road, and strongly encourages NCDOT to continue refining design options in order to meet the following criteria:

- Minimize and mitigate adverse impacts on neighborhoods surrounding the project
- Support alternative modes of travel, specifically bicycle and pedestrian
- Contribute positively to the character of Chapel Hill
- Stagger construction of improvements on Old NC 86 and NC 86 so that construction occurs on each road at different times, thereby optimizing vehicular access to I-40
- Protect the feasibility of future improvements to Eubanks Road and NC 86 for the North South BRT project, as planned by Chapel Hill Transit
- Ensure design that allows for sufficient emergency response
- Maintain left turn movements from Eubanks Rd onto northbound NC 86 as much as possible, potentially as a short-term measure until traffic levels exceed certain thresholds

- Widen the eastbound I-40 exit ramp to create an additional lane of traffic exiting onto NC 86. This would be in addition to the proposed slip lane from the exit ramp onto Eubanks Road

BE IT FURTHER RESOLVED that the Council requests that other entities (such as the Transportation and Connectivity Advisory Board, Orange County Board of County Commissioners, Orange County Legislative Delegation, NC Secretary of Transportation Trogdon) support and provide a similar resolution to NCDOT during the public comment period.

This the 30th day of January, 2019.

RESOLUTION ON DESIGN OF I-40/NC 86/EUBANKS ROAD INTERCHANGE AS PART OF PROJECT I-3306AC OF THE TRANSPORTATION IMPROVEMENT PROGRAM FOR THE DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING AREA

February 27, 2019

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 North Carolina Department of Transportation (NCDOT) has initiated a project for widening I-40 in Orange County, which includes proposed modifications to Eubanks Road as part of reconstruction of the interchange at I-40 and NC 86; and

WHEREAS, NCDOT has developed alternative designs for modifications to Eubanks Road and has shared them with the public for feedback; and

WHEREAS, alternative 4A and precursor designs depicted a realignment of Eubanks Road through the Northwood neighborhood in Orange County that would necessitate the demolition of multiple homes nad would create substantial negative impacts; and

WHEREAS, NCDOT has explored other alternatives such as alternative 4B that aligns Eubanks Road in such a way as to minimize impacts on the surrounding neighborhoods;

BE IT THEREFORE RESOLVED that the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Board hereby states its opposition to alternative 4A of the I-40/NC 86 interchange, which realigns Eubanks Road in a way detrimental to the surrounding neighborhood.

BE IT FURTHER RESOLVED that the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Board is supportive of a design that supports the following criteria:

- Minimizes and mitigates adverse impacts on neighborhoods surrounding the project; and
- Supports alternative modes of travel, specifically bicycle, pedestrian, and transit; and
- Protects the feasibility of future improvements to Eubanks Road and NC 86 for the North-South Bus Rapid Transit project; and

- Staggers construction on Old NC 86 and NC 86 so that construction occurs on each road at different times; and
- Ensures sufficient access for emergency response vehicles.

This resolution is hereby approved by the Durham-Chapel Hill-Carrboro Board on February 27, 2019.

_____

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: February 27, 2019

_____

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

DCHC
Metropolitan Planning Organization
Planning Tomorrow's Tranportation

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, GoTriangle

MEMORANDUM

To: Eric Midkiff, PE
Calyx Engineers + Consultants

From: Aaron Cain
Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO)

Date: February 8, 2019

Re: Staff comments for I-3306A, Widening of I-40 in Orange County

Thank you for soliciting staff and public comment on conceptual designs for I-3306A, the widening of I-40 in Orange County to six lanes, including a redesign of the I-40/NC 86 interchange. DCHC MPO staff has reviewed the materials from the public meeting and other sources for the proposed widening of I-40 in Orange County from I-85 to the Durham County line. DCHC MPO has the following comments on the proposal:

- DCHC MPO has no comments on the general widening and proposed design and impacts as currently depicted.
- Regarding the proposed improvements to the I-40/NC 86 interchange:
    - DCHC MPO staff strongly prefers option 4B due to the limited impacts on surrounding neighborhoods and reduced impacts on the natural lands of Duke Forest; and
    - The final design should accommodate future bus rapid transit planned for the area, as well as bicycle and pedestrian facilities, including but not limited to sidewalks, crosswalks, and pedestrian signals.

At the request of the DCHC MPO Board (TAC), a resolution addressing this project will be brought to them at their next meeting on February 27, 2019. Though beyond the official public comment period, DCHC MPO requests that the comments that will be included in the resolution be considered as design on this project moves forward.

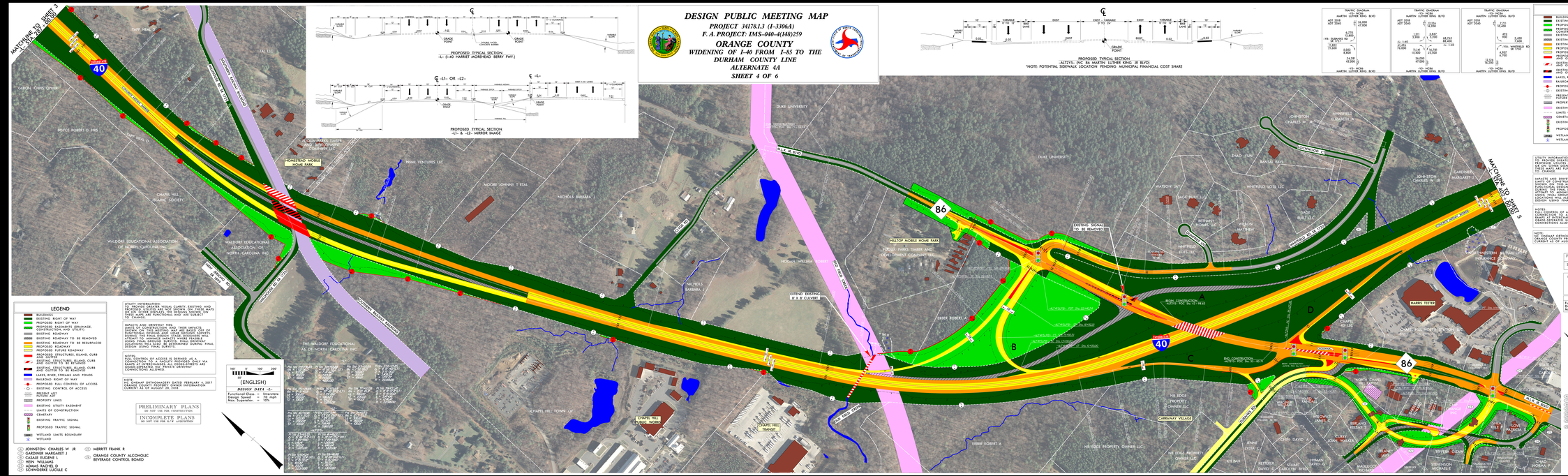
Cc: Felix Nwoko, DCHC MPO Manager
Gene Tarascio, NCDOT Project Management Team
Laura Sutton, PE, NCDOT Project Management Team
Corey Liles, Town of Chapel Hill Planning Department
Kumar Neppali, Town of Chapel Hill Engineering Department
Nishith Trivedi, Orange County Planning Department

DESIGN PUBLIC MEETING MAP

PROJECT 34178.1.3 (I-3306A)
F.A. PROJECT: IMS-040-4(148)259

ORANGE COUNTY

WIDENING OF I-40 FROM I-85 TO THE DURHAM COUNTY LINE
ALTERNATE 4A
SHEET 4 OF 6



LEGEND

- BUILDINGS
- EXISTING RIGHT OF WAY
- PROPOSED RIGHT OF WAY
- PROPOSED EASEMENTS (DRAINAGE, SLOPE, TEMP. DRAIN. AND UTILITY)
- EXISTING ROADWAY
- EXISTING ROADWAY TO BE REMOVED
- EXISTING ROADWAY TO BE RESURFACED
- PROPOSED ROADWAY
- PROPOSED FUTURE ROADWAY
- PROPOSED STRUCTURES, ISLAND, CURB AND GUTTER
- EXISTING STRUCTURES, ISLAND, CURB AND GUTTER
- EXISTING STRUCTURES, ISLAND, CURB AND GUTTER TO BE REMOVED
- LAKES, RIVER, STREAMS AND PONDS
- RAILROAD RIGHT OF WAY
- PROPOSED FULL CONTROL OF ACCESS
- EXISTING CONTROL OF ACCESS
- PROJECT ADT DHV AND %
- PROPERTY LINES
- EXISTING UTILITY EASEMENT
- LIMITS OF CONSTRUCTION
- CEMETARY
- EXISTING TRAFFIC SIGNAL
- PROPOSED TRAFFIC SIGNAL
- WETLAND LIMITS BOUNDARY
- WETLAND

UTILITY INFORMATION:
TO PROVIDE GREATER VISUAL CLARITY, EXISTING AND PROPOSED UTILITY LINES ARE NOT SHOWN ON THESE MAPS OR ON OTHER DISPLAYS THE DESIGNS SHOWN ON THESE MAPS ARE FUNCTIONAL AND ARE SUBJECT TO CHANGE.

IMPACTS AND DRIVEWAY TIES:
IMPACTS TO PROPERTIES AND THEIR IMPACTS (DRIVEWAY TIES) ARE BASED ON THE BEST ESTIMATE OF EXISTING ROADWAY DESIGNS AND LIDAR GROUND SURVEYS. DURING THE FINAL DESIGN STAGE DESIGNERS WILL REVIEW AND ADJUST DESIGNS AS NECESSARY BASED UPON FINAL GROUND SURVEYS. FINAL DRIVEWAY LOCATIONS WILL ALSO BE DETERMINED DURING FINAL DESIGN USING FINAL SURVEYS.

NOTES:
FULL CONTROL OF ACCESS IS DEFINED AS A CONNECTION TO A FACILITY PROVIDED ONLY VIA RAMPS AT INTERCHANGES. ALL CROSS-STREETS ARE CONNECTIONS ALLOWED.

NOTE:
THE ORTHOMAPS ORTHOMAGERY DATED FEBRUARY 4, 2017 ORANGE COUNTY PROPERTY OWNER INFORMATION CURRENT AS OF AUGUST 28, 2018.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

100' 50' 200'
(ENGLISH)

DESIGN DATA -L-

Functional Class.	=	Interstate
Design Speed	=	70 mph
Max. Superelev.	=	10%

1. JOHNSTON CHARLES W JR
2. GARDNER MARGARET J
3. CASALE EUGENE L
4. HERN WILLIAMS
5. ADAMS RACHEL D
6. SCHWOBKE LUCILLE C
7. MERRITT FRANK R
8. ORANGE COUNTY ALCOHOLIC BEVERAGE CONTROL BOARD

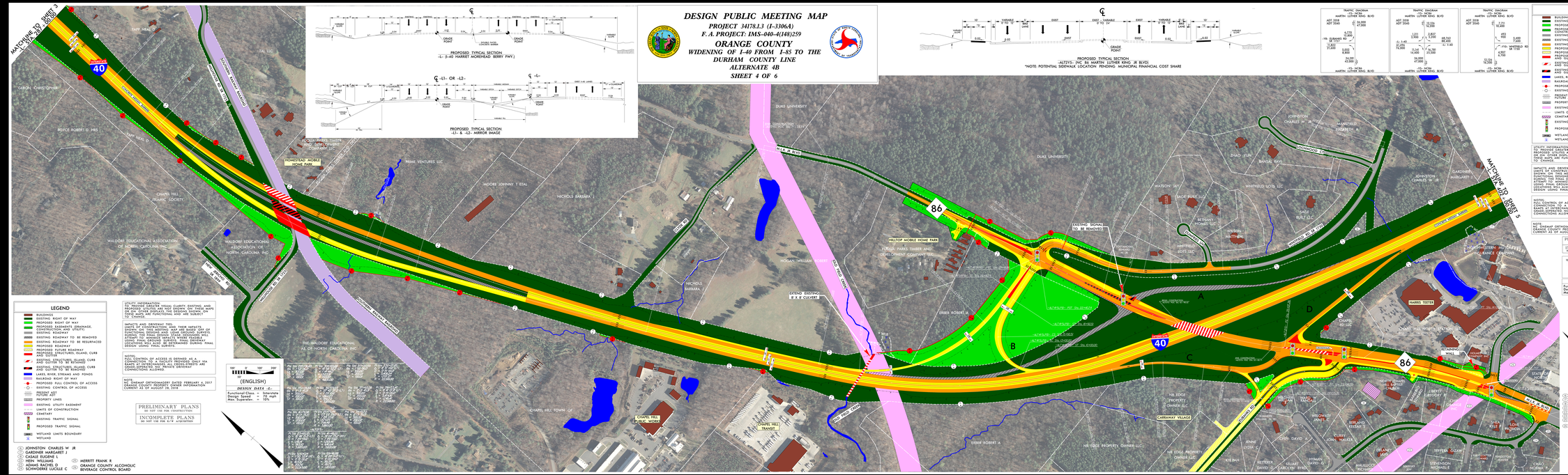
DESIGN PUBLIC MEETING MAP
PROJECT 34178.1.3 (I-3306A)
F.A. PROJECT: IMS-040-4(148)259
ORANGE COUNTY
WIDENING OF I-40 FROM I-85 TO THE DURHAM COUNTY LINE
ALTERNATE 4A
SHEET 4 OF 6

DESIGN PUBLIC MEETING MAP

PROJECT 34178.1.3 (I-3306A)
F.A. PROJECT: IMS-040-4(148)259

ORANGE COUNTY

WIDENING OF I-40 FROM I-85 TO THE DURHAM COUNTY LINE
ALTERNATE 4B
SHEET 4 OF 6



DESIGN PUBLIC MEETING MAP
F.A. PROJECT: IMS-040-4(148)259
ORANGE COUNTY
WIDENING OF I-40 FROM I-85 TO THE DURHAM COUNTY LINE
ALTERNATE 4B
SHEET 4 OF 6

DESIGN PUBLIC MEETING MAP
F.A. PROJECT: IMS-040-4(148)259
ORANGE COUNTY
WIDENING OF I-40 FROM I-85 TO THE DURHAM COUNTY LINE
ALTERNATE 4B
SHEET 4 OF 6

A RESOLUTION TO RECOMMEND A REVISED LOCALLY PREFERRED ALTERNATIVE FOR THE NORTH-SOUTH CORRIDOR STUDY (2019-01-16/R-5)

WHEREAS, the Council of the Town of Chapel Hill approved the NSCS North-South Corridor Study (NSCS) Locally Preferred Alternative (LPA), directed that it be included in the Durham – Chapel Hill – Carrboro Metropolitan Planning Organization (DCHC) Metropolitan Transportation Plan, and approved submission of a request to enter the Federal Transit Administration (FTA) Capital Investment Program, Small Starts Project Development on April 27, 2016; and

WHEREAS, the NSCS LPA was approved entry into the FTA's Capital Investment Program, Small Starts Project Development on November 21, 2016; and

WHEREAS, the Council of the Town of Chapel Hill received an update on a revised NSCS LPA on December 5, 2018 from Chapel Hill Transit (CHT) that was recommended by the Chapel Hill Transit Public Transit Committee and the NSCS Technical and Policy Committees; and

WHEREAS, CHT has completed public outreach and meetings with various community, business, and institutional stakeholders along the NSCS corridor to review the revised LPA; and

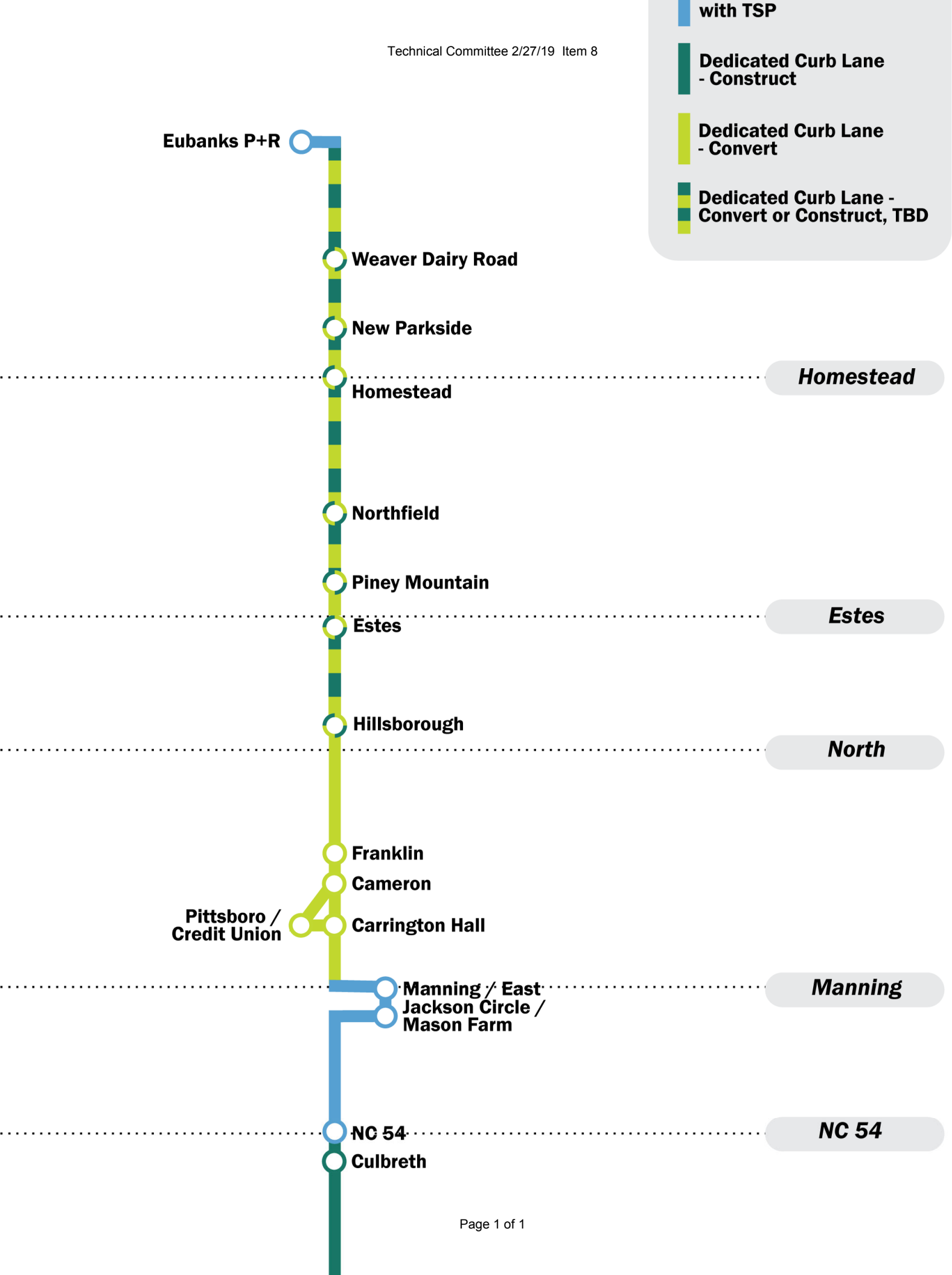
WHEREAS the revised LPA includes the following modifications from the LPA approved by the Council of the Town of Chapel Hill on April 27, 2016:

- Eliminate consideration of an extension to the Durham Technical Community College Hillsborough campus from further study,
- Eliminate the center running Bus Rapid Transit (BRT) guideway option from further study,
- Recommend that the following BRT guideway designs be carried forward for additional design and environmental analysis:
  - Mixed traffic operations on Eubanks Road,
  - Construction of a dedicated curb running BRT guideway between Eubanks Road and Estes Road, or conversion of a current lane for the BRT guideway
  - Either construction of and/or conversion of a dedicated curb running BRT guideway between Estes Road and North Street
- Recommend a multi-use path for active transportation users,
- Recommend intersection improvements to benefit all users; and

WHEREAS the BRT route south of North Street that was recommended in the April 2016 LPA remains unchanged.

NOW, THEREFORE, BE IT RESOLVED, by the Council of the Town of Chapel Hill that the Council hereby approves the revised NSCS LPA, that it be included in the Durham – Chapel Hill – Carrboro Metropolitan Planning Organization (DCHC) Metropolitan Transportation Plan, and for CHT to complete 30 percent engineering and environmental review of the revised LPA.

This the 16th day of January, 2019.


with TSP
Dedicated Curb Lane - Construct
Dedicated Curb Lane - Convert
Dedicated Curb Lane - Convert or Construct, TBD
Eubanks P+R
Weaver Dairy Road
New Parkside
Homestead
Homestead
Northfield
Piney Mountain
Estes
Estes
Hillsborough
North
Franklin
Cameron
Pittsboro / Credit Union
Carrington Hall
Manning / East
Jackson Circle / Mason Farm
Manning
NC 54
NC 54
Culbreth

DCHC
Metropolitan Planning Organization
Planning Tomorrow Today

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, GoTriangle

February 27, 2017

Mr. Van Argabright
Manager, STIP, Feasibility Studies, and Strategic Prioritization
N.C. Department of Transportation
1534 Mail Service Center
Raleigh, NC 27699-1534

Dear Mr. Argabright:

The Draft FY2020-29 State Transportation Improvement Plan (Draft STIP) was released by the North Carolina Department of Transportation (NCDOT) on January 10, 2019. Over the last two months staff from the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC) and its member jurisdictions have reviewed the Draft STIP. On February 27, 2019, the DCHC Technical Committee (TC) and Board generated and reviewed comments and questions for NCDOT. These comments are being provided to you and your staff prior to the one-on-one meeting scheduled for March 13, 2019. The first set of comments and questions are general and programmatic in nature, the second set regard particular projects that are programmed in the Draft STIP.

GENERAL COMMENTS AND QUESTIONS

Normalization within the Strategic Transportation Investments (STI) Process

DCHC supports a quantitative, collaborative, and transparent process for prioritizing transportation funding, and believes that the STI process generally achieves this goal. Furthermore, DCHC understands that the parameters of the STI law in large part dictate which projects are eventually funded in the STIP. However, normalization is one part of the funding formula that is set in NCDOT policy, and not within the STI law.

Normalization needs to accommodate varying shares of highway and non-highway funding across the State, and those shares will vary depending on the needs and development patterns of each MPO and RPO. In DCHC's recently adopted 2045 Metropolitan Transportation Plan (MTP), 58 percent of funding is projected for highway projects, and 42 percent for non-highway projects. The outcome of the Draft STIP for DCHC is a two-thirds/one-third split between highway and non-highway projects. While this is certainly closer to the funding split desired by the DCHC Board through the MTP, and due largely to the inclusion of the Durham-Orange Light Rail Transit project, the STI normalization process still affects DCHC's ability to invest according to our long-range

vision. DCHC remains concerned that normalization is not flexible enough to adequately address different needs across the State.

Comments Regarding Bicycle and Pedestrian Projects

DCHC appreciates the work that NCDOT is currently doing on updating its Complete Streets policy. While work is ongoing on this project, one major issue for local governments that has yet to be addressed is the mismatch between the current implementation of the Complete Streets policy and NCDOT funding policies for bicycle and pedestrian improvements. For example, the Complete Streets policy often recommends a sidepath or multi-use path for bicycle and pedestrian accommodations on major highways, but during implementation of a highway project that sidepath is considered a betterment, and must be paid for fully by the local government. Conversely, while bicycle lanes are more expensive and require NCDOT to provide maintenance, they are less expensive to local governments because NCDOT will provide 100 percent of the funding for them. Therefore, one major change that should come out of the Complete Streets policy work is for NCDOT to provide funding for sidepaths that are typically less expensive and will be maintained by the local government. This policy alignment will ensure that funding of facilities incentivizes and supports the most appropriate facility.

The NCDOT Complete Streets policy should also apply to new bridges and bridge replacement in urbanized areas. Currently, NCDOT will not provide bicycle or pedestrian accommodations on a bridge unless curb and gutter currently extends to the bridge, regardless of if there are plans to extend curb and gutter to the bridge, or if bicycle and pedestrian facilities exist approaching the bridge without curb and gutter.

DCHC recommends that the cost share for sidewalks be eliminated. The current cost share requirement for sidewalks as a part of highway projects, based on population, has led to difficult financial demands for local governments in growing areas like the Triangle, where there are many major highway projects underway at once. This financial burden makes it difficult for municipalities to complete the standalone bicycle and pedestrian projects they have been awarded due to limited budgets for such projects.

All bicycle and pedestrian projects in the Draft 2020-2029 STIP should be programmed with ROW in the first five years of the STIP so that they can be committed projects. With a 20 percent local match required for projects with federal funding, local governments find it difficult to budget the local match in their Capital Improvements Plans (CIPs) for projects that will need to be rescored and have a possibility of losing federal funding.

Under current procedures, municipal agreements for bicycle and pedestrian projects are locked into a project cost without the benefit of project design. Project costs are best estimated at the 65 percent design stage. DCHC has found that the cost estimates, prepared using the NCDOT cost estimation tool, for bicycle and pedestrian projects for the past three SPOT cycles has greatly underestimated the costs for these projects. While DCHC and its communities greatly appreciates the assistance that NCDOT has provided in

identifying additional funding for cost increases for bicycle and pedestrian projects, this has been done in an informal manner to date. DCHC would like to work with NCDOT to develop a more formal process for addressing cost increases on bicycle and pedestrian projects.

Accommodate Future Commuter Rail in Grade Separation Projects

There are two grade separation projects currently in the Draft FY2018-27 STIP (described below under specific projects) along the North Carolina Railroad corridor. This corridor is shown in the DCHC and CAMPO Metropolitan Transportation Plan (MTP) as providing future commuter rail service. These grade separation projects need to be built to accommodate commuter rail as well as freight service between Durham and Raleigh. Project funding in the Draft STIP needs to be adequate for this scope.

Greater Flexibility for FAST Act Freight Program

The Fixing America's Surface Transportation (FAST) Act includes a program that specifically targets funding for freight projects. However, under the current STI system that funding is spent according to the formula and not necessarily targeted to freight projects to which it is designed. DCHC recommends that NCDOT look at ways of separating these funds from the STI formula.

SPECIFIC PROJECT-RELATED COMMENTS AND QUESTIONS

Durham County

***EB-5720* R. Kelly Bryant Bridge Trail**

- As addressed in the general comments, this project originally funded through P3.0 has seen major cost increases as it moves through the design process. DCHC appreciates the cooperation with NCDOT on identifying additional funds to cover rising costs, and would like to work with NCDOT on formalizing this process in the future.

***EB-5834* NC 157 (Guess Road) Sidewalks**

- All phases of this project can be delayed four years to free up funding in the first five years of the STIP and to accommodate anticipated future cost increases.

***EB-5835* NC 55 Sidewalks**

- All phases of this project can be delayed two years to free up funding in the first five years of the STIP and to accommodate anticipated future cost increases.

***EB-5837* Third Fork Creek Trail**

- As addressed in the general comments, this project originally funded through P3.0 has seen major cost increases as it moves through the design process. DCHC appreciates the cooperation with NCDOT on identifying additional funds to cover rising costs, and would like to work with NCDOT on formalizing this process in the future.

***EB-5904* Duke Belt Line Trail**

- The Construction phase of this project can be delayed two years to match current delivery schedule and to accommodate anticipated future cost increases.

***P-5706* Eastern Durham Siding and Grade Separation**

- This grade separation project needs to be built to accommodate all potential track expansion projects including tracks that may be needed for commuter rail service between Durham and Raleigh. The Draft STIP funding needs to be adequate for this greater scope

***P-5717* Cornwallis Road Grade Separation**

- This grade separation project needs to be built to accommodate all potential track expansion projects including tracks that may be needed for commuter rail service between Durham and Raleigh. The Draft STIP funding needs to be adequate for this greater scope.

<u>Orange County</u>

***EB-5994* NC 54 Multiuse Path in Carrboro**

- This project should be accelerated by two years so that ROW is in FY24 and this becomes a committed project. This will allow the Town of Carrboro to budget the local match in its CIP.

***EB-5998* Fordham Boulevard Multiuse Paths**

- This project should be accelerated by four years so that the Construction phase is in FY24 and this becomes a committed project. This will allow the Town of Chapel Hill to budget the local match in its CIP.

***U-5304* US 15-501 Upgrade**

- The Draft STIP supplies funding in the Developmental Program for Breaks B, D, E, and F of this project. The Town of Chapel Hill has concerns about construction of an interchange at Manning Drive (Break E), particularly since it is classified as a Statewide Mobility project and therefore was scored with no local input. Additionally, feasibility studies currently being conducted on these segments lean towards use of a superstreet design. The Town of Chapel Hill has concerns with bicycle and pedestrian accommodations within a superstreet, and feels there is a need for further evaluation of the impacts a superstreet would have on these areas.

<u>Chatham County</u>

***U-6192* US 15/501 Conversion to Synchronized Street**

- This project is an example of one where the Complete Streets policy would recommend a multi-use path, yet only bicycle lanes would be paid for by NCDOT.

Thank you for your time and attention to these matters. I look forward to addressing these issues with your staff next month.

Sincerely,

Felix Nwoko, Manager
DCHC MPO

cc: Mike Stanley, PE, STIP Unit
Richard Lakata, PE, STIP Unit
Rupal Desai, PE, STIP Unit
Jamal Alavi, PE, Manager, Transportation Planning Division
Julie Bogle, PE, Transportation Planning Division
Hanna Cockburn, AICP, Director, Bicycle and Pedestrian Division
Jason Orthner, PE, Director, Rail Division
Joey Hopkins, PE, Division 5 Engineer
Richard Hancock, PE, Division 5 Deputy Engineer
David Keilson, PE, Division 5 Planning Engineer
Mike Mills, PE, Division 7 Engineer
Pat Wilson, PE, Division 7 Deputy Engineer
Ed Lewis, PE, Division 7 Planning Engineer
Brandon Jones, PE, Division 8 Engineer
Bryan Kluchar, PE, Division 8 Planning Engineer

Durham - Chapel Hill - Carrboro
Metropolitan Planning Organization Technical Committee
February 27, 2019

FY 2018-2027 TIP Amendment #10 Summary Sheet
See full report for additional information on each project.

- **C-4928 Morreene Road Bike/Ped:** Add STBGDA local discretionary funds to ROW in FY19. Reduce STBGDA funding for Construction in FY20.
- **EB-5704 Raynor Street Sidewalks:** Add TAP funding for a new ROW phase in FY19 and add TAP funding for Construction in FY20.
- **EB-5708 NC 54 Sidewalks:** Add TAP funding for a new ROW phase in FY19 and add TAP funding for Construction in FY20.
- **EB-5721 Orange County Bicycle Route 1:** Delay Construction from FY19 to FY20.
- **I-5994 I-40 Bridge Rehabilitation:** Adjust fund schedule to utilize GARVEE bonds.
- **I-5995 I-40 Pavement Rehabilitation:** Adjust fund schedule to utilize Build NC bonds.
- **M-0534DIV Hydraulics:** Add new project at request of NCDOT.
- **M-0534REG Hydraulics:** Add new project at request of NCDOT.
- **M-0534SW Hydraulics:** Add new project at request of NCDOT.
- **P-5706 Eastern Durham Rail Grade Separation and Siding:** Accelerate ROW from FY23 to FY20.
- **TD-5284 UNC Hospitals Transfer Station**: Move Construction from FY19 to FY24.
- **U-4726 DCHC Bike/Ped:** Add STBGDA funding for ROW in FY19.\
- **U-5968 Durham Signal System Upgrade:** Accelerate construction from FY20 to FY19.
- **U-6120 NC 98 Safety Improvements:** Add new project to TIP at request of NCDOT. Programmed for planning and environmental study only.
- **U-6192 US 15/501 Synchronized Street:** Add new project to TIP at request of NCDOT. Programmed for planning and environmental study only.
- **GoTriangle Electric Bus Replacement:** Add 5339 funds for Acquisition in FY19.
- **TA-6712 Replacement of Transit Vehicles:** Create new project and add statewide CMAQ funding in FY19.

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TIP Amendment Request - Revise An Existing Project

Amendment Request Details

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

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

[✓] There are previous amendments to this project.

Date: 12-17-18

Amendment Requested By: City of Durham

Existing Project Details

Project Name: Morreene Road Bike/Ped

STIP/TIP #: C-4928

Jurisdiction/Agency: City of Durham

WBS or Local ID or Federal Aid #:

MUNIS #:

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

Use the MPO database: bitly.com/mpoprojects

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2019	ROW	STBGDA	$5,600	$0	$1,400	$7,000
2020	Construction	CMAQ	$2,331,000	$0	$583,000	$2,914,000
2020	Construction	STBGDA	$2,140,000	$0	$535,000	$2,675,000
2020	Construction	LOCAL	$0	$0	$194,000	$194,000
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$4,476,600	$0	$1,313,400	$5,790,000
						Total Project Cost

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

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

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2019	ROW	STBGDA	$2,447,823	$0	$611,956	$3,059,779
2020	Construction	CMAQ	$2,331,000	$0	$582,750	$2,913,750
2020	Construction	STBGDA	$1,876,152	$0	$469,038	$2,345,190
2020	Construction	LOCAL	$0	$0	$194,000	$194,000
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$6,654,975	$0	$1,857,744	$8,512,719
						Total Project Cost

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TIP Amendment Request - Revise An Existing Project

Project Details - Continued

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

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

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

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

Add STBGDA local discretionary funds to ROW in FY19. Reduce STBGDA funding for Construction in FY20 to match recent construction estimates.

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

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TIP Amendment Request - Revise An Existing Project

Amendment Request Details

- ○ **TIP Amendment** (*change in funding greater than $1M*)
- ◉ **TIP Modification** (*change in funding less than $1M*)
- ☐ There are previous amendments to this project.

Date: 2-7-19

Amendment Requested By: City of Durham

Existing Project Details

Project Name: Raynor Street Sidewalks

STIP/TIP #: EB-5704

Jurisdiction/Agency: City of Durham

WBS or Local ID or Federal Aid #:

MUNIS #:

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

Use the MPO database: bitly.com/mpoprojects

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
Prior Yea	PE/Design	TAP	$40,000	$0	$10,000	$50,000
Prior Yea	Construction	TAP	$200,000	$0	$50,000	$250,000
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$240,000	$0	$60,000	$300,000
						Total Project Cost

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

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

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
Prior Yea	PE/Design	TAP	$73,845	$0	$18,461	$92,306
2019	ROW	TAP	$135,465	$0	$33,866	$169,331
2020	Construction	TAP	$407,882	$0	$101,970	$509,852
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$617,192	$0	$154,297	$771,489
						Total Project Cost

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TIP Amendment Request - Revise An Existing Project

Project Details - Continued

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

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

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

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

Add ROW phase to project in FY19. Move Construction to FY20 to align with current schedule.

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

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TIP Amendment Request - Revise An Existing Project

Amendment Request Details

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

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

☐ There are previous amendments to this project.

Date: 2-7-19

Amendment Requested By: City of Durham

Existing Project Details

Project Name: NC 54 Sidewalks

STIP/TIP #: EB-5708

Jurisdiction/Agency: City of Durham

WBS or Local ID or Federal Aid #:

MUNIS #:

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

Use the MPO database: bitly.com/mpoprojects

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
Prior Yea	PE/Design	SRTS	$50,000	$0	$0	$50,000
2019	Construction	SRTS	$275,000	$0	$0	$275,000
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$325,000	$0	$0	$325,000
						Total Project Cost

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

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

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
Prior Yea	PE/Design	SRTS	$94,169	$0	$0	$94,169
2019	ROW	TAP	$141,936	$0	$35,484	$177,420
2020	Construction	SRTS	$235,831	$0	$0	$235,831
2020	Construction	TAP	$203,887	$0	$50,972	$254,859
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$675,823	$0	$86,456	$762,279
						Total Project Cost

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TIP Amendment Request - Revise An Existing Project

Project Details - Continued

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

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

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

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

Add ROW phase to project in FY19. Move Construction to FY20 to align with current schedule.

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

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TIP Amendment Request - Add or Create a New Project

Amendment Request Details

Date: 1-11-2019 Amendment Requested By: GoTriangle

Existing Project Details

Project Name: Electric Bus Replacement

STIP/TIP #: TA-6727 Jurisdiction/Agency: GoTriangle

WBS # or Federal Aid #: Munis Grant #:

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

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2019	Acquisition	5339	$943,000	$208,023	$929,202	$2,080,225
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$943,000	$208,023	$929,202	$2,080,225
						Total Project Cost

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

If this project has been added to the NCDOT STIP, please provide date of STIP action, or Split Letter, etc. and attach supporting information:

Please provide Project Description/Details/Termini/etc.:

Purchase two 40-foot electric buses.

Please provide any additional details or explanation related to this project (if applicable):

Federal funds are from the discretionary low/no emissions grant program (5339(c)) included in the FAST Act and awarded to GoTriangle.

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

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TIP Amendment Request - Revise An Existing Project

Amendment Request Details

- ○ **TIP Amendment** (*change in funding greater than $1M*)
- ◉ **TIP Modification** (*change in funding less than $1M*)
- ☐ There are previous amendments to this project.

Date: 1-16-19

Amendment Requested By: Chapel Hill Transit

Existing Project Details

Project Name: UNC Hospitals Transfer Station

STIP/TIP #: TD-5284

Jurisdiction/Agency: Chapel Hill Transit

WBS or Local ID or Federal Aid #:

MUNIS #:

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

Use the MPO database: bitly.com/mpoprojects

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2019	Construction	5307	$288,000	$36,000	$36,000	$360,000
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$288,000	$36,000	$36,000	$360,000
						Total Project Cost

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

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

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2024	Construction	5307	$288,000	$36,000	$36,000	$360,000
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$288,000	$36,000	$36,000	$360,000
						Total Project Cost

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TIP Amendment Request - Revise An Existing Project

Project Details - Continued

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

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

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

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

Move funding from FY19 to FY24 to match realistic construction timetable due to ongoing construction on UNC Hospitals campus.

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

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TIP Amendment Request - Revise An Existing Project

Amendment Request Details

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

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

[✓] There are previous amendments to this project.

Date: 12-17-18

Amendment Requested By: City of Durham

Existing Project Details

Project Name: Hillandale Road Bike/Ped

STIP/TIP #: U-4726HN

Jurisdiction/Agency: City of Durham

WBS or Local ID or Federal Aid #:

MUNIS #:

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

Use the MPO database: bitly.com/mpoprojects

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2019	ROW	STP-DA	$26,225	$0	$6,556	$32,781
2020	Construction	STP-DA	$2,066,903	$0	$761,543	$2,828,446
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$2,093,128	$0	$768,099	$2,861,227
						Total Project Cost

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

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

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
2019	ROW	STBGDA	$1,504,817	$0	$376,204	$1,881,021
2020	Construction	STBGDA	$2,068,518	$0	$517,130	$2,585,648
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$3,573,335	$0	$893,334	$4,466,669
						Total Project Cost

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TIP Amendment Request - Revise An Existing Project

Project Details - Continued

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

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

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

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

Add STBGDA local discretionary funding for ROW in FY19.

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

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

EB-5721 ORANGE **PROJ.CATEGORY** DIVISION	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	ORANGE COUNTY BICYCLE ROUTE 1, CLELAND DRIVE TO WILLOW DRIVE IN CHAPEL HILL. UPGRADE EXISTING OFF-ROAD PATH AND CONSTRUCT NEW SECTION OF PATH. ***TO REFLECT LATEST COST ESTIMATE AND CURRENT TOWN DELIVERY SCHEDULE, INCREASE FUNDING AND DELAY CONSTRUCTION FROM FY 19 TO FY 20 AT REQUEST OF MPO.***	CONSTRUCTION	FY 2020 - FY 2020 - 	$775,000 $194,000 $969,000	(TAANY) (L)
* I-5994 DURHAM **PROJ.CATEGORY** STATEWIDE	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	I-40, US 15 / US 501 TO EAST OF NC 147. BRIDGE REHABILITATION - MULTIPLE STRUCTURES. ***PROJECT WILL UTILIZE GARVEE BOND FUNDING***	GARVEE CONSTR	FY 2019 - FY 2020 - FY 2021 - FY 2022 - FY 2023 - FY 2024 - FY 2025 - FY 2026 - FY 2027 - FY 2028 - FY 2029 - POST YR-	$429,000 $429,000 $429,000 $429,000 $429,000 $429,000 $429,000 $429,000 $429,000 $429,000 $429,000 $1,716,000	(NHPIM) (NHPIM) (NHPIM) (NHPIM) (NHPIM) (NHPIM) (NHPIM) (NHPIM) (NHPIM) (NHPIM) (NHPIM) (NHPIM)
			CONSTRUCTION	FY 2019 -	$1,667,000 $8,102,000	(S(M))

*** INDICATES FEDERAL AMENDMENT**

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

STIP MODIFICATIONS

* I-5995 DURHAM WAKE **PROJ.CATEGORY** STATEWIDE	- CAPITAL AREA METROPOLITAN PLANNING ORGANIZATION - DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	I-40, EAST OF NC 147 TO SR 3015 (AIRPORT BOULEVARD). PAVEMENT REHABILITATION. ***PROJECT TO UTILIZE BUILD NC BONDS***	GARVEE CONSTR	FY 2019 -	$343,000	(NHPIM)
				FY 2020 -	$343,000	(NHPIM)
				FY 2021 -	$343,000	(NHPIM)
				FY 2022 -	$343,000	(NHPIM)
				FY 2023 -	$343,000	(NHPIM)
				FY 2024 -	$343,000	(NHPIM)
				FY 2025 -	$343,000	(NHPIM)
				FY 2026 -	$343,000	(NHPIM)
				FY 2027 -	$343,000	(NHPIM)
				FY 2028 -	$343,000	(NHPIM)
				FY 2029 -	$343,000	(NHPIM)
				POST YR-	$1,372,000	(NHPIM)
			CONSTRUCTION	FY 2019 -	$1,333,000	(S(M))
					$6,478,000	
* P-5706 DURHAM **PROJ.CATEGORY** STATEWIDE	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	NORFOLK SOUTHERN H LINE, EAST DURHAM RAILROAD SAFETY PROJECT. PROJECT WILL STRAIGHTEN EXISTING RAILROAD CURVATURE BETWEEN CP NELSON AND CP EAST DURHAM AND INCLUDES A COMBINATION OF GRADE SEPARATIONS AND CLOSURES AT ELLIS ROAD SOUTH END (734737A), GLOVER ROAD (734735L), AND WRENN ROAD (734736T) IN DURHAM. ***ACCELERATE RIGHT OF WAY FROM FY 23 TO FY 20 AT THE REQUEST OF RAIL DIVISION.***	RIGHT-OF-WAY CONSTRUCTION	FY 2020 -	$9,327,000	(T)
				FY 2026 -	$10,891,000	(T)
				FY 2026 -	$167,000	(O)
				FY 2027 -	$10,891,000	(T)
				FY 2027 -	$167,000	(O)
				FY 2028 -	$10,891,000	(T)
				FY 2028 -	$166,000	(O)
					$42,500,000	

*** INDICATES FEDERAL AMENDMENT**

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

STIP ADDITIONS

* U-6120 DURHAM **PROJ.CATEGORY** DIVISION	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	NC 98 (HOLLOWAY STREET), SR 1938 (JUNCTION ROAD) TO SR 1919 (LYNN ROAD) IN DURHAM. CONSTRUCT SAFETY IMPROVEMENTS AND WIDEN TO ADD MEDIAN, BICYCLE LANES, SIDEWALKS, TRANSIT STOP IMPROVEMENTS, AND TRAFFIC SIGNALS WHERE NEEDED. ***PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.***
* U-6192 CHATHAM ORANGE **PROJ.CATEGORY** DIVISION	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION - TRIANGLE AREA RURAL PLANNING ORGANIZATION	US 15 / US 501, US 64 BYPASS TO SR 1919 (SMITH LEVEL ROAD). CONVERT REMAINING NON-SYNCHRONIZED SECTIONS OF FACILITY TO SYNCHRONIZED STREET. ***PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY TO EXPEDITE DELIVERY OF NEW STI PROJECT.***

STIP MODIFICATIONS

U-5968 DURHAM **PROJ.CATEGORY** REGIONAL	- DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION	VARIOUS, CITY OF DURHAM. UPGRADE ITS / SIGNAL SYSTEM. ***ACCELERATE CONSTRUCTION FROM FY 20 TO FY 19 AT THE REQUEST OF TRANSPORTATION MOBILITY AND SAFETY DIVISION TO REFLECT PRIORITY NEEDS.***	UTILITIES	FY 2019 -	$585,000	(BGANY)
				FY 2019 -	$15,000	(T)
				FY 2019 -	$8,000	(L)
				FY 2019 -	$142,000	(S(M))
			CONSTRUCTION	FY 2019 -	$5,685,000	(BGANY)
				FY 2019 -	$438,000	(T)
				FY 2019 -	$219,000	(L)
				FY 2019 -	$1,385,000	(S(M))
				FY 2020 -	$5,685,000	(BGANY)
				FY 2020 -	$1,385,000	(S(M))
				FY 2021 -	$5,684,000	(BGANY)
				FY 2021 -	$1,384,000	(S(M))
					$22,615,000	

*** INDICATES FEDERAL AMENDMENT**

REVISIONS TO THE 2018-2027 STIP

HIGHWAY PROGRAM

STATEWIDE PROJECT

STIP ADDITIONS

M-0534DIV STATEWIDE **PROJ.CATEGORY** DIVISION	- STATEWIDE PROJECT	HYDRAULICS, PRELIMINARY ENGINEERING FOR THE HIGHWAY FLOODPLAIN PROGRAM (HFP) TO FACILITATE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) AND NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMPLIANCE AND FLOOD RESILIENCE. ***ADDED AT THE REQUEST OF NCDOT'S HYDRAULICS UNIT.***	ENGINEERING	FY 2019 -	$600,000 $600,000 (T)
M-0534REG STATEWIDE **PROJ.CATEGORY** REGIONAL	- STATEWIDE PROJECT	HYDRAULICS, PRELIMINARY ENGINEERING FOR THE HIGHWAY FLOODPLAIN PROGRAM (HFP) TO FACILITATE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) AND NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMPLIANCE AND FLOOD RESILIENCE. ***ADDED AT THE REQUEST OF NCDOT'S HYDRAULICS UNIT.***	ENGINEERING	FY 2019 -	$600,000 $600,000 (T)
M-0534SW STATEWIDE **PROJ.CATEGORY** STATEWIDE	- STATEWIDE PROJECT	HYDRAULICS, PRELIMINARY ENGINEERING FOR THE HIGHWAY FLOODPLAIN PROGRAM (HFP) TO FACILITATE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) AND NATIONAL FLOOD INSURANCE PROGRAM (NFIP) COMPLIANCE AND FLOOD RESILIENCE. ***ADDED AT THE REQUEST OF NCDOT'S HYDRAULICS UNIT.***	ENGINEERING	FY 2019 -	$800,000 $800,000 (T)

*** INDICATES FEDERAL AMENDMENT**

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

January 29, 2019

Mr. Keith Melton
Director of Planning and Program Development
Federal Transit Administration
230 Peachtree St NW Suite 1400
Atlanta, Georgia 30303

Subject: **REQUEST FEDERAL TRANSIT ADMINISTRATION (FTA) APPROVAL OF AMENDMENT NUMBER #12 OF THE NORTH CAROLINA 2018-2027 STATE TRANSPORTATION IMPROVEMENT PROGRAM (STIP)**

The North Carolina Department of Transportation requests FTA approval to add the following projects to the 2018-2027 STIP. None of the STIP amendments in this letter reflect any change in the distribution of Governor's Apportionment Section 5307 funds.

LEGEND FOR THE TABLES:

- STIP#: identifying unique number for the project in the STIP
- FUND: Type of federal, state, and local fund source used to pay for the project. The federal types include 5307 (FUZ), 5316 (JARC), FNF (5317 New Freedom), Congestion Mitigation and Air Quality (CMAQ), FNU (5311), FEDP (5310 Elderly and Persons with Disabilities, and 5339 (FBUS).
- MATCH: Indicates the funding breakdown between federal (US), state (S), and local (L) funds
- FY 18-FY 27: This table shows the amount of funding to be programmed for each fiscal year. All funding amounts shown are in thousands (000's).

The following STIP amendments were approved at the December 6, 2018 BOT Meeting:

Additions to the Transit 2018-2027 STIP

STIP #	TRANSIT PARTNER	DESCRIPTION	MATCH	FUND	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	FY23 (000)	FY24 (000)	FY25 (000)	FY26 (000)	FY27 (000)
TA-6714	City of Greensboro	Electric Replacement Buses and Charging Stations	FBUS	5339		1900								
			Local	L		335								

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
PUBLIC TRANSPORTATION DIVISION
1550 MAIL SERVICE CENTER
RALEIGH, NC 27699-1550

Telephone: (919) 707-4670
Fax: (919) 733-1391
Customer Service: 1-877-368-4968

Location:
1 SOUTH WILMINGTON STREET
RALEIGH, NC 27601

Website: www.ncdot.gov

TA-6715	City of Durham	Electric Bus Purchase-Replacement	FBUS	5339		2125								
			Local	L		375								

Modifications

STIP #	TRANSIT PARTNER	DESCRIPTION	MATCH	FUND	FY18 (000)	FY19 (000)	FY20 (000)	FY21 (000)	FY22 (000)	FY23 (000)	FY24 (000)	FY25 (000)	FY26 (000)	FY27 (000)
TA-6696	Durham, Chapel-Hill, Carrboro	Replacement Vehicle	5307	CMAQ		400								
TM-5138	City of Asheville (ART)	Buncombe County Black Mountain Trailblazer Service. JARC Operating Assistance	Local	L		100								
			FUZ	5307	83	191								
			JARC	JARC		39								
			Local	L	83	230								
TP-5158	Chapel Hill Transit	ADA Bus Stop Review and Design	FEDP	5310		20								
			Local	L		20								

TD-5280	Goldsboro Wayne Transportati on Authority	Goldsboro Main Street Revitalization through Transportation Investment II	Tiger Disc	Tiger		5000								
			Local	L		1756								

Changing number to TP-5158 from TP-5157.

Item I-1A, (6) Projects, Total Federal and State funds $9,738,000

Metropolitan Planning Organization	Transit Partners	Added to the STIP	Added to MTIP
Greensboro Urban Area MPO	City of Greensboro	12/6/2018	October 24, 2018
French Broad River MPO	Asheville Redefines Transit	12/6/2018	September 27, 2018
Goldsboro MPO	Goldsboro Wayne Transportation Authority	12/6/2018	November
Durham, Chapel Hill, Carrboro	Go Durham, Chapel Hill Transit	12/6/2018	October 10, 2018

These additions and modifications were made according to requirements established in SAFETEA-LU, MAP-21 and FAST Act. The additions and modifications are consistent with the transit strategy in the fiscally constrained Long-Range Transportation Plans of the respective MPO's. Administration of the changes conforms to procedures delineated in the MPO public participation plans. The changes do not adversely impact air quality conformity determination currently in place and meets fiscal constraint requirements.

Please address any questions concerning this matter to Jason Wimmer, ajwimmer@ncdot.gov, 919-707-4686. Please endorse and return the request. Upon receipt, NCDOT will distribute copies of the endorsement to all the interested parties with a reminder that this document and the endorsement date below are the references needed to complete a TrAMS application.

Sincerely,

Debbie Collins

Date: January 29, 2018

Debbie Collins, Director

NCDOT Public Transportation Division

Endorsement:

_____ Date _____

Keith Melton
Director of Planning and Program Development, Federal Transit Administration

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

AMENDMENT #10
February 27, 2019

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, the United States Environmental Protection Agency Designated the DCHC MPO from nonattainment to attainment under the prior 1997 Ozone Standard on December 26, 2007; 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 approves Amendment #10 to the FY 2018-2027 Transportation Improvement Program of the Durham-Chapel Hill-Carrboro Urban Area, as approved by the Board on February 27, 2019, and as described in the "FY 2018-2027 TIP Amendment #10 Summary Sheet" on this, the 27th day of February, 2019.

_____

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: February 27, 2019

_____

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

Durham - Chapel Hill - Carrboro
Metropolitan Planning Organization Technical Committee
February 27, 2019

FY 2018-2027 TIP Amendment #11 Summary Sheet
See full report for additional information on each project.

- **EB-5703 LaSalle Street Sidewalks:** Add TAP funding for a new ROW phase in FY19 and add TAP funding for Construction in FY20.
- **EB-5715 North Duke Street Sidewalks:** Add TAP funding for a new ROW phase in FY19 and add TAP funding for Construction in FY20.

DCHC
Metropolitan Planning Organization
Planning Tomorrow Today

TIP Amendment Request - Revise An Existing Project

Amendment Request Details

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

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

[ ] There are previous amendments to this project.

Date: 2-7-19

Amendment Requested By: City of Durham

Existing Project Details

Project Name: LaSalle Street Sidewalks

STIP/TIP #: EB-5703

Jurisdiction/Agency: City of Durham

WBS or Local ID or Federal Aid #:

MUNIS #:

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

Use the MPO database: bitly.com/mpoprojects

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
Prior Yea	PE/Design	TAP	$69,000	$0	$17,000	$86,000
2019	Construction	TAP	$469,000	$0	$116,000	$585,000
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$538,000	$0	$133,000	$671,000
						Total Project Cost

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

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

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
Prior Yea	PE/Design	TAP	$161,152	$0	$40,288	$201,440
2019	ROW	TAP	$411,889	$0	$102,972	$514,861
2020	Construction	TAP	$1,152,179	$0	$288,045	$1,440,224
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$1,725,220	$0	$431,305	$2,156,525
						Total Project Cost

DCHC
Metropolitan Planning Organization
Planning Tomorrow Today

TIP Amendment Request - Revise An Existing Project

Project Details - Continued

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

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

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

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

Add ROW phase to project in FY19. Move Construction to FY20 to align with current schedule.

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

DCHC
Metropolitan Planning Organization
Planning Tomorrow Today

TIP Amendment Request - Revise An Existing Project

Amendment Request Details

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

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

[ ] There are previous amendments to this project.

Date: 2-7-19

Amendment Requested By: City of Durham

Existing Project Details

Project Name: North Duke Street Sidewalks

STIP/TIP #: EB-5715

Jurisdiction/Agency: City of Durham

WBS or Local ID or Federal Aid #:

MUNIS #:

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

Use the MPO database: bitly.com/mpoprojects

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
Prior Yea	PE/Design	TAP	$150,000	$0	$37,000	$187,000
2019	Construction	TAP	$1,015,120	$0	$254,280	$1,269,400
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$1,165,120	$0	$291,280	$1,456,400
						Total Project Cost

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

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

FY	Phase/Work	Funding Source	Federal Share	State Share	Local Share	Total
Prior Yea	PE/Design	TAP	$349,359	$0	$87,340	$436,699
2019	ROW	TAP	$662,613	$0	$165,653	$828,266
2020	Construction	TAP	$2,143,990	$0	$535,998	$2,679,988
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
			$0	$0	$0	$0
		Funding Totals:	$3,155,962	$0	$788,991	$3,944,953
						Total Project Cost

DCHC
Metropolitan Planning Organization
Planning Tomorrow Today

TIP Amendment Request - Revise An Existing Project

Project Details - Continued

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

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

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

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

Add ROW phase to project in FY19. Move Construction to FY20 to align with current schedule.

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

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

AMENDMENT #11
April 10, 2019

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, the United States Environmental Protection Agency Designated the DCHC MPO from nonattainment to attainment under the prior 1997 Ozone Standard on December 26, 2007; 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 approves Amendment #11 to the FY 2018-2027 Transportation Improvement Program of the Durham-Chapel Hill-Carrboro Urban Area, as approved by the Board on April 10, 2019, and as described in the "FY 2018-2027 TIP Amendment #11 Summary Sheet" on this, the 10th day of April, 2019.

_____

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 10, 2019

_____

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

MEMORANDUM

To: DCHC MPO Board

From: DCHC MPO Lead Planning Agency

Date: January 16, 2019

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.
- ✓ Indicates that task is complete.

Major UPWP – Projects

Comprehensive Transportation Plan (CTP)

- ✓ Completed
- • Farrington Road Amendment likely to be adopted – September 2018

2045 Metropolitan Transportation Plan (MTP)

- • 2045 MTP amendment related to Air Quality Conformity Determination will be released for public comment– September 2018
- • Adopt 2045 MTP Amendment #1 – November 2018

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/FY 2020-2029 TIP Development

- ✓ 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
- ✓ MPO applies local ranking methodology for Regional projects – April 2018
- ✓ Board releases MPO initial Regional points list for local input/public comments – May 9, 2018
- ✓ LPA addresses public comments and makes draft recommendation on local points for Regional category – June 2018
- ✓ Approval of Regional Impact points – June-July 2018
- ✓ Submission of Regional Impact points to NCDOT – July 2018
- ✓ MPO applies local ranking methodology for Division projects – August 2018
- ✓ Board releases MPO initial Division points list for local input/public comments – August 2018
- ✓ LPA addresses public comments and makes draft recommendation on local points for Division category – September 2018
- ✓ Approval of Division Needs points – November 2018
- ✓ Submission of Division Needs points to NCDOT – November 2018
- ✓ Draft STIP Released – January 2019

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 – September 2018

- ✓ Release formal report for public comment – September 2018
- ✓ Approve final report – November 2018

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
- ✓ Implementation and self-evaluation – Ongoing

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
- ✓ Draft Final plan – February 2018
- ✓ Recommendation/Public workshop – Underway
- ✓ Release final report for comment – August 2018
- ✓ Approve formal report – October 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
- ✓ Draft plan – September 2018
- ✓ Public input – October-November 2018
- Revisions and additional data collection – January 2019
- Public input – February 2019
- Final draft – March 2019

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 and presentation to MPO Boards at joint MPO Board Meeting – October 2018
- 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

- ✓ 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 CONNECTOR FROM NORTH OF NC-98 TO NC-147 (BUCK DEAN FREEWAY) IN DURHAM.
Contractor Name: DRAGADOS USA INC
Contract Amount: $141,949,500.00
Cost Overrun/Underrun: 9.53%
Work Began: 02/26/2015
Letting Date: 11/18/2014
Original Completion Date: 05/10/2020
Revised Completion Date:
Latest Payment Thru: 01/22/2019
Scheduled Progress: 76.46%
Latest Payment Date: 02/05/2019
Actual Progress: 74.29%

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: James M. Nordan, PE
NCDOT Contact No: (919)220-4680
Location Description: SR-2220 (OLD CHAPEL HILL ROAD) FROM SR-1113 (POPE ROAD) TO SR-1116 (GARRETT ROAD).
Contractor Name: FSC II LLC DBA FRED SMITH COMPANY
Contract Amount: $7,295,544.75
Cost Overrun/Underrun: 8.3%
Work Began: 06/26/2017
Letting Date: 05/16/2017
Original Completion Date: 05/14/2019
Revised Completion Date:
Latest Payment Thru: 01/31/2019
Scheduled Progress: 100%
Latest Payment Date: 02/12/2019
Actual Progress: 85.92%

Contract Number: C203567
Route: NC-55
Division: 5
County: Durham
TIP Number: U-3308
Length: 1.134 miles
Federal Aid Number: STP-55(20)
NCDOT Contact: James M. Nordan, PE
NCDOT Contact No: (919)220-4680
Location Description: NC-55 (ALSTON AVE) FROM NC-147 (BUCK DEAN FREEWAY) TO NORTH OF US-70BUS/NC-98 (HOLLOWAY ST).
Contractor Name: ZACHRY CONSTRUCTION CORPORATION
Contract Amount: $39,756,916.81
Cost Overrun/Underrun: 17.4%
Work Began: 10/05/2016
Letting Date: 07/19/2016
Original Completion Date: 03/30/2020
Revised Completion Date: 02/11/2021
Latest Payment Thru: 01/15/2019
Scheduled Progress: 55.1%
Latest Payment Date: 01/29/2019
Actual Progress: 47.63%

Contract Number: C204167
Route: SR-1118, SR-1407, SR-1648 SR-1794, SR-1811, SR-1906 SR-1966, SR-1973, SR-2095
Division: 5
County: Durham
TIP Number:
Length: 24.77 miles
Federal Aid Number: STATE FUNDED
NCDOT Contact: James M. Nordan, PE
NCDOT Contact No: (919)220-4680
Location Description: 51 SECTIONS OF SECONDARY ROADS.
Contractor Name: CAROLINA SUNROCK LLC
Contract Amount: $4,355,108.47
Cost Overrun/Underrun: 0.38%
Work Began: 08/01/2018
Letting Date: 05/15/2018
Original Completion Date: 11/30/2019
Revised Completion Date:
Latest Payment Thru: 12/31/2018
Scheduled Progress: 9%
Latest Payment Date: 01/08/2019
Actual Progress: 10.59%

Contract Number: C204168
Route: -
Division: 5
County: Durham
TIP Number:
Length: 15.188 miles
Federal Aid Number: STATE FUNDED
NCDOT Contact: Cameron D. Richards
NCDOT Contact No: (919)835-8200
Location Description: 14 SECTIONS OF SECONDARY ROADS.
Contractor Name: CAROLINA SUNROCK LLC
Contract Amount: $5,334,770.46
Cost Overrun/Underrun: 0.9%
Work Began: 07/02/2018
Letting Date: 05/15/2018
Original Completion Date: 11/30/2019
Revised Completion Date:

Latest Payment Thru: 10/31/2018 **Scheduled Progress:** 21%
Latest Payment Date: 11/07/2018 **Actual Progress:** 20.85%

Contract Number: C204256 **Route:** -, NC-98, SR-1800 SR-1811, US-70
Division: 5 **County:** Durham
TIP Number:
Length: 15.89 miles **Federal Aid Number:** STATE FUNDED
NCDOT Contact: James M. Nordan, PE **NCDOT Contact No:** (919)220-4680
Location Description: 1 SECTION OF US-70, 1 SECTION OF NC-98, AND 3 SECTIONS OF SECONDARY ROADS.
Contractor Name: CAROLINA SUNROCK LLC
Contract Amount: $0.00 **Cost Overrun/Underrun:** 0%
Work Began: 03/15/2019 **Letting Date:** 10/16/2018
Original Completion Date: 11/30/2019 **Revised Completion Date:**
Latest Payment Thru: **Scheduled Progress:** 0%
Latest Payment Date: **Actual Progress:** 0%

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: James M. Nordan, PE **NCDOT Contact No:** (919)220-4680
Location Description: I-85 FROM US-15/501 TO EAST OF SR-1827 (MIDLAND TERRACE RD) IN DURHAM
Contractor Name: INTERSTATE IMPROVEMENT INC
Contract Amount: $4,168,265.78 **Cost Overrun/Underrun:** 60.88%
Work Began: 03/13/2018 **Letting Date:** 10/11/2017
Original Completion Date: 11/01/2018 **Revised Completion Date:**
Latest Payment Thru: 01/22/2019 **Scheduled Progress:** 100%
Latest Payment Date: 01/29/2019 **Actual Progress:** 85.81%

Contract Number: DE00253 **Route:** SR-1327
Division: 5 **County:** Durham
TIP Number: W-5705K
Length: 0 miles **Federal Aid Number:** HSIP-1327(006)
NCDOT Contact: James M. Nordan, PE **NCDOT Contact No:** (919)220-4680
Location Description: SR 1327 (GREGSON ST) AND LAMOND AVE
Contractor Name: TRAFFIC CONTROL DEVICES INC
Contract Amount: $72,515.00 **Cost Overrun/Underrun:** 0%
Work Began: 09/01/2018 **Letting Date:** 07/25/2018
Original Completion Date: 02/28/2019 **Revised Completion Date:**
Latest Payment Thru: 12/31/2018 **Scheduled Progress:** 30%
Latest Payment Date: 01/11/2019 **Actual Progress:** 19.88%

Contract Number: DE00255 **Route:** US-501
Division: 5 **County:** Durham
TIP Number: W-5705C
Length: 0 miles **Federal Aid Number:** HSIP-0501(046)
NCDOT Contact: James M. Nordan, PE **NCDOT Contact No:** (919)220-4680
Location Description: US 15-501 AT SR 1116 (GARRETT RD) US 15-501 BUS AT WESTGATE DR
Contractor Name: ALS OF NORTH CAROLINA LLC
Contract Amount: $540,904.71 **Cost Overrun/Underrun:** 4.63%
Work Began: 08/06/2018 **Letting Date:** 05/23/2018
Original Completion Date: 12/21/2018 **Revised Completion Date:**
Latest Payment Thru: 02/11/2019 **Scheduled Progress:** 100%
Latest Payment Date: 02/14/2019 **Actual Progress:** 36.73%

DURHAM PROJECT LIST -
January 30, 2019
NCDOT DIVISION 5 - FIVE-YEAR PROGRAM

Project ID	Div	County	Description	R/W Plans Complete	R/W Acq Begins	Let Type	Let Date	Project Manager	RW Estimate(200)	CONST $	COMMENTS
17BP.5.C.02	5	DURHAM	REMOVE 50 FEET OF EXISTING DUAL 48" CMP REPLACE WITH SINGLE9'-11", 6' x 8" ALUMINUM BOX DURHAM COUNTY			Division Design Raleigh Let (DI	1/15/2019	Lisa Gilchrist			
17BP.5.R.116	5	DURHAM				Division POC Let (DPOC)	2/22/2023	Lisa Gilchrist			
17BP.5.R.117	5	DURHAM				Division POC Let (DPOC)	2/22/2023	Lisa Gilchrist			
17BP.5.R.83	5	DURHAM	BRIDGE 84 OVER CHUNKY PIE CREEK ON SR 1815			Division POC Let (DPOC)	4/22/2020	Lisa Gilchrist			
17BP.5.R.84	5	DURHAM				Division POC Let (DPOC)	1/26/2022	Lisa Gilchrist			
17BP.5.R.97	5	DURHAM	BRIDGE 89 OVER LICK CREEK ON SR 1902			Division POC Let (DPOC)	10/15/2019	Lisa Gilchrist			
47451.3.1	5	DURHAM	NC 98 (Holloway Street) - Traffic Signal at Adams Street and channelization at S. Woodcrest Street			On Call Contract (OCC)	7/15/2019	Stephen Davidson			
B-5674	5	DURHAM	REPLACE BRIDGE 80 OVER SR 1308 IN DURHAM ON US 15-501 NORTHBOUND	9/16/2019	9/16/2019	Raleigh Letting (LET)	12/15/2020	KEVIN FISCHER	$110,000.00	$2,209,000.00	
C-4928	5	DURHAM	SR 1317 (MORREENE ROAD) FROM NEAL ROAD TO SR 1320 (ERWIN ROAD) IN DURHAM. CONSTRUCT BIKE LANES AND SIDEWALKS.	2/25/2019	2/26/2019	NON - DOT LET (LAP)	4/15/2020	RAYMOND JOSEPH HAYES	$7,000.00	$5,783,000.00	

DURHAM PROJECT LIST -
January 30, 2019
NCDOT DIVISION 5 - FIVE-YEAR PROGRAM

Project ID	Div	County	Description	R/W Plans Complete	R/W Acq Begins	Let Type	Let Date	Project Manager	RW Estimate(200)	CONST $	COMMENTS
C-5183B	5	DURHAM	SR 1945 (S ALSTON AVENUE) FROM SR 1171 (RIDDLE ROAD) TO CAPPS STREET. CONSTRUCT SIDEWALKS IN DURHAM			NON - DOT LET (LAP)	7/31/2019	RAYMOND JOSEPH HAYES	$99,000.00	$706,000.00	
C-5605E	5	DURHAM	CITY OF DURHAM BICYCLE LANE STRIPING: 8 MILE OF BIKE LANES.			NON - DOT LET (LAP)	9/30/2019	RAYMOND JOSEPH HAYES		$504,000.00	
C-5605H	5	DURHAM	DOWNTOWN DURHAM WAYFINDING PROGRAM SIGNS/KIOSKS TO FACILITATE NAVIGATION AND PARKING.	9/30/2018	9/30/2018	NON - DOT LET (LAP)	7/1/2019	RAYMOND JOSEPH HAYES		$605,000.00	
C-5605I	5	DURHAM	DURHAM NEIGHBORHOOD BIKE ROUTE:~7 MILES OF SIGNED AND MARKED NEIGHBORHOOD BIKE ROUTES IN CENTRAL DURHAM.	12/28/2018		NON - DOT LET (LAP)	3/29/2019	RAYMOND JOSEPH HAYES		$540,883.00	
EB-4707A	5	DURHAM	SR 1838 / SR 2220 (OLD DURHAM ROAD) FROM US 15 / US 501 IN ORANGE COUNTY TO SR 1113 (POPE ROAD) IN DURHAM COUNTY	8/20/2015	8/20/2015	Division Design Raleigh Let (DI	4/16/2019	BENJAMIN J. UPSHAW		$4,900,000.00	Ongoing coordination with adjacent development.
EB-5703	5	DURHAM	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	RAYMOND JOSEPH HAYES		$578,000.00	
EB-5704	5	DURHAM	DURHAM - RAYNOR STREET FROM NORTH MIAMI BOULEVARD TO NORTH HARDEE STREET			NON - DOT LET (LAP)	9/29/2019	RAYMOND JOSEPH HAYES			

DURHAM PROJECT LIST -
January 30, 2019
NCDOT DIVISION 5 - FIVE-YEAR PROGRAM

Project ID	Div	County	Description	R/W Plans Complete	R/W Acq Begins	Let Type	Let Date	Project Manager	RW Estimate(200)	CONST $	COMMENTS
EB-5708	5	DURHAM	NC 54 FROM NC 55 TO RESEARCH TRIANGLE PARK WESTERN LIMIT INDURHAM CONSTRUCT SECTIONS OF SIDEWALK ON SOUTH SIDE			NON - DOT LET (LAP)	4/15/2020	RAYMOND JOSEPH HAYES		$275,000.00	
EB-5715	5	DURHAM	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)	7/15/2020	RAYMOND JOSEPH HAYES		$1,269,000.00	
EB-5720	5	DURHAM	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	RAYMOND JOSEPH HAYES	$14,000.00	$4,432,000.00	
EB-5834	5	DURHAM	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	RAYMOND JOSEPH HAYES	$204,000.00	$589,000.00	
EB-5835	5	DURHAM	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	RAYMOND JOSEPH HAYES	$50,000.00	$525,000.00	

DURHAM PROJECT LIST -
January 30, 2019
NCDOT DIVISION 5 - FIVE-YEAR PROGRAM

Project ID	Div	County	Description	R/W Plans Complete	R/W Acq Begins	Let Type	Let Date	Project Manager	RW Estimate(200)	CONST $	COMMENTS
EB-5837	5	DURHAM	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	RAYMOND JOSEPH HAYES	$161,000.00	$2,546,000.00	
EB-5904	5	DURHAM	DUKE BELT LINE TRAIL - PETTIGREW STREET TO AVONDALE STREET IN DURHAM, CONSTRUCT A MULTI-USE TRAIL ON FORMER RAIL CORRIDOR	9/4/2018	9/4/2018	NON - DOT LET (LAP)	9/1/2020	RAYMOND JOSEPH HAYES	$7,100,000.00	$3,750,000.00	
I-5702B	5	DURHAM	I-40 FROM NC 147 (DURHAM FREEWAY/TRIANGLE EXPRESSWAY) IN DURHAM COUNTY TO SR 1728 (WADE AVENUE) IN WAKE COUNTY - COORDINATE WITH I-5506 AND I-5700		1/1/2030	Design Build Let (DBL)	1/1/2030	PAM R. WILLIAMS	$82,480,000.00	$670,140,000.00	
I-5707	5	DURHAM	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	PAM R. WILLIAMS	$323,000.00	$3,550,000.00	
I-5941	5	DURHAM	I-85 FROM ORANGE COUNTY LINE TO US 15 /US 501 IN DURHAM PAVEMENT REHABILITATION	9/5/2023		Division Design Raleigh Let (DI	12/19/2023	DOUGLAS R. MCNEAL		$2,973,000.00	
I-5942	5	DURHAM	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 (DI	12/19/2023	DOUGLAS R. MCNEAL		$8,357,000.00	

DURHAM PROJECT LIST -
January 30, 2019
NCDOT DIVISION 5 - FIVE-YEAR PROGRAM

Project ID	Div	County	Description	R/W Plans Complete	R/W Acq Begins	Let Type	Let Date	Project Manager	RW Estimate(200)	CONST $	COMMENTS
I-5982	5	DURHAM	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		$109,970,000.00	
I-5993	5	DURHAM	I-40 - DURHAM COUNTY FROM US 15/US 501 TO EAST OF NC 147. PAVEMENT REHABILITATION. COORDINATE WITH I-5994.	10/18/2019		Division Design Raleigh Let (DI	1/21/2020	DOUGLAS R. MCNEAL		$4,900,000.00	
I-5994	5	DURHAM	I-40 - DURHAM COUNTY FROM US 15/US 501 TO EAST OF NC 147. BRIDGE REHABILITATION. MULTIPLE STRUCTURES. COORDINATE WITH I-5993.	5/31/2019		Division Design Raleigh Let (DI	8/20/2019	DOUGLAS R. MCNEAL		$6,652,000.00	
I-5995	5	DURHAM	I-40 - DURHAM/WAKE COUNTIES FROM EAST OF NC 147 TO SR 3015(AIRPORT BOULEVARD). PAVEMENT REHABILITATION.	5/31/2019		Division Design Raleigh Let (DI	8/20/2019	DOUGLAS R. MCNEAL		$5,272,000.00	
I-5998	5	DURHAM	I-540 - DURHAM/WAKE COUNTIES FROM I-40 IN DURHAM TO US 70 IN RALEIGH. PAVEMENT REHABILITATION. COORDINATE WITH I-5999 &I-6000.	10/21/2022		Division POC Let (DPOC)	1/25/2023	DOUGLAS R. MCNEAL		$3,800,000.00	
I-6000	5	DURHAM	I-540 - DURHAM/WAKE COUNTIES FROM I-40 IN DURHAM TO US 1 INRALEIGH. BRIDGE PRESERVATION/REHABILITATION. COORDINATE WITH I-5998 & I-5999.	10/22/2021		Division POC Let (DPOC)	1/26/2022	DOUGLAS R. MCNEAL		$4,541,000.00	

DURHAM PROJECT LIST -
January 30, 2019
NCDOT DIVISION 5 - FIVE-YEAR PROGRAM

Project ID	Div	County	Description	R/W Plans Complete	R/W Acq Begins	Let Type	Let Date	Project Manager	RW Estimate(200)	CONST $	COMMENTS
I-6006	5	DURHAM	I-40 DURHAM/WAKE COUNTIES FROM NC 54 (EXIT 273) TO SR 1728 (WADE AVENUE). CONVERT FACILITY TO A MANAGED FREEWAY WITH RAMP METERING AND OTHER ATM / ITS COMPONETS.		1/21/2025	Design Build Let (DBL)	1/21/2025	PAM R. WILLIAMS	$20,000.00	$54,530,000.00	
I-6010	5	DURHAM	I-85/US 15 DURHAM COUNTY FROM EAST OF SR 1827 (MIDLAND TERRACE) TO SR 1632 (RED MILL ROAD) IN DURHAM. ADD LANES.	1/15/2027	1/15/2027	Raleigh Letting (LET)	1/16/2029	PAM R. WILLIAMS	$8,400,000.00	$94,400,000.00	
P-5706	5	DURHAM	NORFOLK SOUTHERN H LINE, EAST DURHAM RAILROAD SAFETY PROJECT. PROJECT WILL STRAIGHTEN EXISTING RAILROAD CURVATURE BETWEEN CP NELSON AND CP EAST DURHAM AND INCLUES A COMBINATION OFGRADE SEPARATIONS AND CLOSURES AT ELLIS ROAD SOUTH END CROSSING (734737A), GLOVER ROAD (734735L), AND WRENN ROAD (734736	2/1/2023	2/1/2023	NON - DOT LET (Rail)	1/31/2025	MATTHEW SIMMONS	$9,000,000.00	$42,400,000.00	
P-5716	5	DURHAM	NORFOLK SOUTHERN H LINE CROSSING 735236Y AT SR 1171 (ELLIS ROAD) IN DURHAM. CONSTRUCT GRADE SEPARATION.	6/16/2023	6/16/2023	Raleigh Letting (LET)	6/16/2026	MATTHEW SIMMONS	$1,000,000.00	$3,700,000.00	
P-5717	5	DURHAM	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	$4,377,600.00	$16,100,000.00	

DURHAM PROJECT LIST -
January 30, 2019
NCDOT DIVISION 5 - FIVE-YEAR PROGRAM

Project ID	Div	County	Description	R/W Plans Complete	R/W Acq Begins	Let Type	Let Date	Project Manager	RW Estimate(200)	CONST $	COMMENTS
P-5728	5	DURHAM	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.	1/21/2025	1/21/2025	Raleigh Letting (LET)	12/15/2026	MATTHEW SIMMONS	$1,500,000.00	$4,000,000.00	
U-4724	5	DURHAM	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	RAYMOND JOSEPH HAYES		$4,978,000.00	
U-4726HN	5	DURHAM	CONSTRUCT BIKE LANES/SIDEWALKS IN DURHAM - HILLANDALE ROAD	12/31/2018	1/1/2019	NON - DOT LET (LAP)	3/17/2020	RAYMOND JOSEPH HAYES			
U-4726HO	5	DURHAM	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	RAYMOND JOSEPH HAYES			
U-5516	5	DURHAM	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 (DI	5/20/2020	BENJAMIN J. UPSHAW	$6,501,430.00	$5,500,000.00	Design in progress.
U-5717	5	DURHAM	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 (DI	4/21/2020	BENJAMIN J. UPSHAW	$53,500,000.00	$27,700,000.00	Coordination with DOLRT. Design in progress.

DURHAM PROJECT LIST -
January 30, 2019
NCDOT DIVISION 5 - FIVE-YEAR PROGRAM

Project ID	Div	County	Description	R/W Plans Complete	R/W Acq Begins	Let Type	Let Date	Project Manager	RW Estimate(200)	CONST $	COMMENTS
U-5720A	5	DURHAM	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	PAM R. WILLIAMS	$35,800,000.00	$57,000,000.00	
U-5720B	5	DURHAM	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	PAM R. WILLIAMS	$17,321,000.00	$25,300,000.00	
U-5720C	5	DURHAM	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	PAM R. WILLIAMS	$40,400,000.00	$110,800,000.00	
U-5745	5	DURHAM	NC 751 (HOPE VALLEY ROAD) AT SR 1183 (UNIVERSITY DRIVE) INTERSECTION IN DURHAM. CONSTRUCT ROUNDABOUT. (COMB W/17BP.5.C.02)	8/21/2017	7/6/2017	Division Design Raleigh Let (DI	1/15/2019	STEPHEN REID DAVIDSON		$2,400,000.00	Let in January 2019.
U-5774A	5	DURHAM	NC 54 FROM US 15/US 501			Raleigh Letting (LET)	1/1/2030	PAM R. WILLIAMS	$3,800,000.00	$11,000,000.00	
U-5774B	5	DURHAM	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	PAM R. WILLIAMS	$11,000,000.00	$30,900,000.00	
U-5774C	5	DURHAM	NC 54 FROM SR 1110 (BARBEE CHAPEL ROAD) TO I-40	6/16/2022	6/16/2022	Raleigh Letting (LET)	6/18/2024	PAM R. WILLIAMS	$3,000,000.00	$23,700,000.00	
U-5774H	5	DURHAM	NC 54 FROM NC 751 TO SR 1118 (FAYETTEVILLE ROAD)	7/15/2022	7/15/2022	Raleigh Letting (LET)	10/15/2024	PAM R. WILLIAMS	$8,400,000.00	$13,200,000.00	

DURHAM PROJECT LIST -
January 30, 2019
NCDOT DIVISION 5 - FIVE-YEAR PROGRAM

Project ID	Div	County	Description	R/W Plans Complete	R/W Acq Begins	Let Type	Let Date	Project Manager	RW Estimate(200)	CONST $	COMMENTS
U-5823	5	DURHAM	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	NON - DOT LET (LAP)	8/30/2021	RAYMOND JOSEPH HAYES	$421,000.00	$1,798,000.00	
U-5934	5	DURHAM	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	PAM R. WILLIAMS	$2,148,000.00	$177,100,000.00	
U-5937	5	DURHAM	NC 147 DURHAM FREEWAY, DURHAM COUNTY FROM SR 1127 (WEST CHAPEL HILL STREET) TO BRIGGS AVENUE IN DURHAM. CONSTRUCT AUXILIARY LANES AND OPERATIONAL IMPROVEMENTS.	3/19/2021	3/19/2021	Raleigh Letting (LET)	3/21/2023	PAM R. WILLIAMS	$10,202,000.00	$47,001,000.00	
U-5968	5	DURHAM	CITY OF DURHAM UPGRADE ITS / SIGNAL SYSTEM			Raleigh Letting (LET)	4/16/2019	JASON P. GALLOWAY	$750,000.00	$21,865,000.00	
U-6021	5	DURHAM	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 (DI	2/21/2023	BENJAMIN J. UPSHAW	$5,769,000.00	$13,770,000.00	City comments received.
U-6067	5	DURHAM	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)	2/16/2027	PAM R. WILLIAMS	$55,000,000.00	$140,300,000.00	

DURHAM PROJECT LIST -
January 30, 2019
NCDOT DIVISION 5 - FIVE-YEAR PROGRAM

Project ID	Div	County	Description	R/W Plans Complete	R/W Acq Begins	Let Type	Let Date	Project Manager	RW Estimate(200)	CONST $	COMMENTS
W-5601EM	5	DURHAM	SR 1118 (FAYETTEVILLE ROAD) AT PILOT STREET AND CECIL STREET. SAFETY IMPROVEMENTS.			Division POC Let (DPOC)	12/12/2018	JOHN EDWARD SANDOR		$14,000.00	Anticipated Let in March, 2019
W-5705M	5	DURHAM	I-40 WESTBOUND AT NC 147 SAFETY IMPROVEMENTS (MP: 9.359 - 9.359)	11/1/2018		Division POC Let (DPOC)	1/23/2019	JOHN EDWARD SANDOR		$80,000.00	Anticipated Let in February, 2019
W-5705S	5	DURHAM	US 15/501 AT NC 751 SOUTHBOUND ON RAMP - EXTEND RAMP	9/1/2019		Division POC Let (DPOC)	9/23/2020	REID DAVIDSON		$460,000.00	
W-5705T	5	DURHAM	SR 1815/1917 (MINERAL SPRINGS ROAD) AT PLEASANT DRIVE CONSTRUCT ROUNDABOUT	4/1/2020	4/1/2020	Division POC Let (DPOC)	4/21/2021	REID DAVIDSON	$85,000.00	$800,000.00	
W-5705U	5	DURHAM	US 70 BUSINESS (MORGAN STREET) AT CAROLINA THREATRE			Division POC Let (DPOC)	1/16/2019	JOHN EDWARD SANDOR		$20,000.00	Anticipated Let in March, 2019
W-5705V	5	DURHAM	NC 54 AT HUNTINGRIDGE ROAD			Division POC Let (DPOC)	1/16/2019	JOHN EDWARD SANDOR		$80,000.00	Anticipated Let in March, 2019
Z-5700EB	5	DURHAM	RAILWAY-HIGHWAY SAFETY PROJECT AT SR 1632 (RED MILL ROAD) AND NS CROSSING 734 914C NEAR DURHAM			NON - DOT LET (Rail)	10/19/2019	RICHARD MULLINAX			

NCDOT DIV 7 PROJECTS LOCATED IN DCHCMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
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	Apr. 2019	$40,500 R/W $43,200 CON	Utility relocations complete, Right of entry rescinded, R/W acquisition pending	Dawn McPherson
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	11/1/2018	Aug. 2019	$395,000	Planning and design activities underway, re-let due to bids exceeded engineers estimate, new let date 11/1/18 and received no bids, possible delivery by design-build let	Chad Reimakoski
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**	1/17/2019	Jul. 2019	$189,000	Planning and design activities complete, R/W certified 9/18/18, signal work complete, widening scheduled by end of Mar. 2019	Derek Dixon
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.**	Mar. 2019	FY2021	$775,000	1st bid opening received no bids, Re-let 9/6/18 bids exceeded engineers estimate, project cost evaluation being performed, Utility relocation underway, Re-let pending	Chad Reimakoski
B-4962 40174.1.1 40174.2.1 40174.3.1	Replace Bridge #46 over Eno river on US 70 Bypass	4/16/2019	FY 2021	$5,826,000	Planning and Design activities underway, ROW acquisition complete, ROW certified 1/22/19	Kevin Fischer
W-5707K 48283	Remove and replace existing curb & gutter and sidewalk, add pedestrian signals, concrete island, and signal modifications on SR 1010 (E. Main St / W. Franklin St) from Brewer Ln to Graham St. in **Chapel Hill and Carrboro**	5/31/2019	Sept. 2019	$350,000	Construction May 2019	Chris Smitherman Derek Dixon
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.**	5/31/2019	Sept. 2019	$775,000	Planning and design activities underway, bike/ped improvements to be completed under project 48283	Chris Smitherman

NCDOT DIV 7 PROJECTS LOCATED IN DCHCMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
SS-4907CD 47936.1.1 47936.2.1 47936.3.1	Horizontal curve improvements on SR 1710 (Old NC 10) west of SR 1561/SR 1709 (Lawrence Road) east of Hillsborough. Improvements consist of wedging pavement and grading shoulders.	12/5/2019	Spring 2020	$261,000	Planning and design activities underway	Chad Reimakoski
I-3306A 34178.1.3 34718.2.2 34178.3.3	Widening I-40 from I-85 in Orange Co. to Durham Co. line (US 15/501 Interchange)	TBD	TBD	$98,800,000	Planning and design activities underway, Public meeting 1/24/19, No schedule at this time other than CE document scheduled for 3/29/19, **Combined w/I-3306AC**	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, Coordinate with U-5848	Matthew Simmons
R-5821A 47093.1.2 47093.2.2 47093.3.2	Construct operational improvements including Bicycle/Pedestrian accommodations on NC 54 from SR 1006 (Orange Grove Road) to SR 1107 /SR 1937 (Old Fayetteville Road).	6/21/2022	FY2024	$3,924,000	Planning and design activities underway, coordinating with NC54 West Corridor Study	Jennifer Evans
U-5848 50237.1.1 50237.2.1 50237.3.1	Extend SR 1006 (Orange Grove Road) on new location with Sidewalks and bike lanes from existing SR 1006 (Orange Grove Road) to US 70 Business in **Hillsborough**.	3/21/2023	FY 2025	$5,326,000	Planning and Design activities underway, Coordinate with P-5701 and U-5845	Laura Sutton
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, C**ombined w/I-3306A**	Laura Sutton
I-5959 45911.1.1 45911.3.1	Pavement Rehabilitation on I-85 from West of SR 1006 (Orange Grove Road) to Durham County line	11/21/2023	FY 2025	$11,155,000	Funding approved 10/10/17, Coordinate with I-5967, I-5984, I-5983 and I-0305	Chris Smitherman
I-5967 45917.1.1 45917.2.1 45917.3.1	Interchange improvements at I-85 and SR 1009 (South Churton Street) in **Hillsborough**	1/16/2024	FY 2027	$20,700,000	Planning and Design activities underway, Coordinate with I-0305 and U-5845	Laura Sutton

NCDOT DIV 7 PROJECTS LOCATED IN DCHCMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
U-5845 50235.1.1 50235.2.1 50235.3.1	Widen SR 1009 (South Churton Street) to multi-lanes from I-40 to Eno River in **Hillsborough**	1/16/2024	FY 2027	$49,751,000	Planning and Design activities underway, Coordinate with U-5848 and I-5967	Laura Sutton
I-5984 47530.1.1 47530.2.1 47530.3.1	Interchange improvements at I-85 and NC 86 in **Hillsborough**	11/18/2025	FY 2027	$16,488,000	Funding approved 10/10/17, Coordinate with I-0305 and I-5959	Laura Sutton
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, Project on hold per Draft 2020-2029 STIP (unfunded project)	Jennifer Evans
I-5983 47529.1.1 47529.2.1 47529.3.1	Widen I-85 in Orange Co. from west of SR1713 (Mt. Hermon Church Rd) to Durham Co. line	10/20/2026	FY2029	$53,460,000	Planning and Design activities underway, Coordinate with U-5848, I-0305 and I-5984	Laura Sutton
I-0305 34142.1.2 34142.2.2 34142.3.2	Widening of I-85 from west of SR1006 (Orange Grove Road) in Orange Co. to west of SR 1400 (Sparger Road) in Orange Co.	1/1/2027	FY2029	$133,400,000	Planning and design activities underway, Project reinstated per Draft 2020-2029 STIP (funded project)	Laura Sutton

North Carolina Department of Transportation

Active Projects Under Construction - Orange Co.

Contract Number	TIP Number	Location Description	Contractor Name	Resident Engineer	Contract Bid Amount	Availability Date	Completion Date	Work Start Date	Estimated Completion	Progress 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	11/01/2017	09/02/2015	03/15/2019	100.00	92.24
C203946	B-5348	REPLACE BRIDGE #85 OVER PHILS CRK ON SR-1005(OLD G'BORO RD)	DANE CONSTRUCTION INC	Kirkman, PE, Christopher D	$984,596.98	02/01/2018	12/27/2018	02/01/2018	01/30/2019	99.00	92.33
C204025	I-5954	PAVEMENT REHAB ON I-40/I-85 FROM EAST OF NC-54 IN GRAHAM IN ALAM. CO. TO WEST OF SR-1114 (BUCKHORN RD) IN ORANGE CO.	APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION	Kirkman, PE, Christopher D	$9,699,053.68						
DG00321	W-5143	SR 1004 (EFLAND-CEDAR GROVE RD) ROADWAY IMPROVEMENTS.	CAROLINA SUNROCK LLC	Kirkman, PE, Christopher D	$1,711,133.05	04/02/2018	04/02/2019	04/02/2018	04/02/2019	100.00	98.20
DG00393		RESURFACE SR 1101, SR 1118, SR 1119, SR 1124, SR 1125, SR 1127,SR 1128 SR 1130, SR 1134, SR 1135, SR 1137, SR 1141, SR 1143, ETC.	RILEY PAVING INC	Kirkman, PE, Christopher D	$1,084,520.40	04/02/2018	10/12/2018	06/18/2018	12/07/2018	100.00	99.97
DG00395		REPLACE BRIDGE #189 ON SR 1114 (BUCKHORN ROAD) OVER CANE CREEK	S T WOOTEN CORPORATION	Kirkman, PE, Christopher D	$723,924.13	04/01/2018	01/01/2019	05/07/2018	02/07/2019	97.00	99.75
DG00413		RESURFACE US 70 BUS, SR 1009, SR 1102 , SR 1129, SR 1239, SR 1352, SR 1716 AND SR 1841	CAROLINA SUNROCK LLC	Kirkman, PE, Christopher D	$3,562,232.66	05/28/2018	11/01/2019	05/29/2018	11/01/2019	38.00	53.71
DG00419		RESURFACE NC 86 AND 17 SECONDARY ROADS	CAROLINA SUNROCK LLC	Kirkman, PE, Christopher D	$3,764,001.64	05/14/2018	11/01/2019	05/14/2018	11/01/2019	40.00	23.45
DG00427		REPLACE BRIDGE #51 ON SR 1534 (MCKEE ROAD) OVER BUFFALO CK.	NATIONAL BRIDGE BUILDERS LLC	Kirkman, PE, Christopher D	$521,443.82	05/07/2018	03/04/2019	07/30/2018	04/29/2019	100.00	98.48
DG00435		AST RETREATMENT ON 22 SECONDARY ROADS	WHITEHURST PAVING CO INC	Kirkman, PE, Christopher D	$846,340.66	04/01/2019	10/11/2019				
DG00444	R-5821B	INTERSECTION IMPORVEMENTS AT THE INTERSECTION OF NC 54 AND SR 1006 (ORANGE GROVE ROAD)	FSC II LLC DBA FRED SMITH COMPANY	Kirkman, PE, Christopher D	$1,039,900.00	07/16/2018	05/16/2019	08/13/2018	05/16/2019	100.00	90.11
DG00445	R-5787BB	INSTALLATION OF ADA COMPLIANT CURB RAMPS AT VARIOUS INTERSECTIONS	LITTLE MOUNTAIN BUILDERS OF CATAWBA COUNTY INC	Kirkman, PE, Christopher D	$319,319.80	06/25/2018	02/15/2020	08/06/2018	02/15/2020	70.00	61.61
	W-5707A	INSTALLATION OF ADA COMPLIANT CURB RAMPS AT VARIOUS INTERSECTIONS	LITTLE MOUNTAIN BUILDERS OF CATAWBA COUNTY INC	Kirkman, PE, Christopher D	$319,319.80	06/25/2018	02/15/2020	08/06/2018	02/15/2020	70.00	61.61
DG00451	U-5854	SR 1008 (MT. CARMEL CHURCH ROAD) AND SR 1913 (BENNETT ROAD) ROUNDABOUT AND RELATED SAFETY IMPROVEMENTS	CAROLINA SUNROCK LLC	Kirkman, PE, Christopher D	$1,833,468.84	08/15/2018	04/30/2020				
DG00461		BRIDGE REHAB. FOR BRIDGE #031 ON SR 1010 (E. FRANKLIN ST.) OVER BOLIN CREEK & BOLIN CREEK TRAIL	M & J CONSTRUCTION CO OF PINELLAS COUNTY INC	Robinson, Stephen J	$2,456,272.12	11/12/2018	07/15/2019				
DG00462		REHAB BRIDGES 264, 288, 260, 543 IN GUILFORD COUNTY AND BRIDGE 031 IN ORANGE COUNTY	ELITE INDUSTRIAL PAINTING INC	Snell, PE, William H	$967,383.15	08/01/2019	01/01/2020				

Chatham County - DCHC MPO - Upcoming Projects - Division 8--February 2019								
Contract # or WBS # or TIP #	**Route**	**Description**	**Let Date**	**Completion Date**	**Contractor**	**Project Admin.**	**Project Cost**	**Notes**
R-5825	NC 751 at SR 1731 (O'Kelly Chapel Road)	Upgrade and Realign Intersection	4/9/2019	TBD	TBD	Greg Davis (910) 773-8022	TBD	Right of Way in progress