

**Member Governments**

Town of Carrboro  
Town of Chapel Hill  
County of Chatham  
City of Durham  
County of Durham  
Town of Hillsborough  
NC Department of  
Transportation  
County of Orange

**DURHAM – CHAPEL HILL-CARRBORO  
METROPOLITAN PLANNING ORGANIZATION  
TECHNICAL COORDINATING COMMITTEE (TCC)**

**March 26, 2014  
9:00 a.m.**

**Committee Room  
2<sup>nd</sup> Floor Durham City Hall**

- 1. Roll Call**
- 2. Adjustments to the Agenda**
- 3. Public Comments**

**CONSENT AGENDA**

- 4. Approval of February 26, 2014 TCC Meeting Minutes  
Attachment 4**

A copy of the February 26, 2014 minutes is enclosed as Attachment 4.

**TCC Action:** Approve minutes of the February 26, 2014 TCC meeting.

**ACTION ITEMS**

- 5. Prioritization 3.0 – Local Ranking Methodology  
Attachment 5, 5A, 5B  
Ellen Beckmann, LPA Staff  
Dale McKeel, LPA Staff  
Andy Henry, LPA Staff**

A memo on Prioritization 3.0 is provided as Attachment 5. The TAC approved the submission of the MPO's highway, bicycle and pedestrian, public transit, and rail projects on January 8 and February 12, 2014. A list of all highway, bicycle/pedestrian, transit, and rail projects is provided as Attachment 5A. Attachment 5B is recommended final MPO Local Ranking Methodology.

**TCC Action:** Recommend that the TAC approve the DCHC MPO Methodology for Ranking TIP Project Requests (FY 2016-2022).

- 6. Draft FY 2014-2015 Unified Planning Work Program (UPWP)  
Attachment 6, 6A, 6B  
Felix Nwoko, LPA Staff  
Meg Scully, LPA Staff**

Annually, the DCHC MPO is required by federal regulations to prepare a Unified Planning Work Program (UPWP) that details and guides the urban area transportation planning activities. 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. Attachment 6 is a staff memo which provides additional information. Attachment 6A is the Draft FY14-15 UPWP Supplemental Document that highlights accomplishment of the FY14 work program and details the FY15 resource allocation. The draft FY 2014-2015 UPWP is presented in Attachment 6B. Tasks are identified by an alphanumeric task code and description. The public hearing for the Draft FY2014-2015 UPWP will be held on April 9, 2014 at the TAC meeting. The TAC will be asked to consider approval at the April meeting as well.

**TCC Recommendation:** Receive updated draft FY14-15 UPWP and Supplemental Document and recommend the TAC consider approval of FY14-15 UPWP following the public hearing on April 9, 2014. Recommend the MPO complete the self-certification of the UPWP planning process.

**7. FY 2014 5307/5340 and 5339 Split Letters  
Attachment 7, 7A, 7B, 7C  
Meg Scully, LPA Staff**

Section 5307 funds are allocated to urbanized areas for transit capital and operating assistance and for transportation related planning. Section 5339 funds are allocated to urbanized areas to replace, rehabilitate, and purchase buses and related equipment and to construct bus-related facilities. The MPO's full apportionment for each program was released by FTA and the MPO transit operators met to develop a recommended distribution of this funding. Letters to FTA regarding the allocation of these funds among transit operators (DATA, CHT, and TTA) will need to be approved. Once the allocations have been approved by the TAC, the transit operators will be authorized to seek application or amend current applications for funding via FTA's TEAM system. Please reference Attachment 7 for the memo detailing the 5307 grant program. Attachment 7A is the letter of recommendation to FTA for the 5307 funding split. Attachment 7B is a memo detailing the 5339 grant program and Attachment 7C is the letter of recommendation to FTA for the 5339 funding split.

**TCC Recommendation:** Recommend that the TAC approve the distribution and endorse the attached letters to FTA for the FFY14 (FULL) Apportionment distribution of Section 5307/5340 and 5339 funds.

**8. FY 2013-2015 CMAQ Projects – TIP Amendment #16  
Attachment 8, 8A  
Ellen Beckmann, LPA Staff**

The TAC approved the reallocation of Congestion Mitigation Air Quality funds for the Town of Chapel Hill in September 2013. This reallocation of funding was never included in a TIP Amendment. TIP Amendment #16 reflects the change.

**TCC Recommendation:** Recommend that the TAC approve Amendment #16 to the FY 2012-2018 Transportation Improvement Program.

**9. STP-DA and Transportation Alternatives Program (TAP)****Attachment 9****Ellen Beckmann, LPA Staff****Dale McKeel, LPA Staff**

Over the past several months, the TCC and TAC have considered programming FY 2015-2016 STPDA and TAP funding. The TAC approved changes to FY 2014 STPDA funding in March. Approval of FY 2015-2016 STPDA and TAP was delayed pending more definite project schedule and cost information. Attachment 9 displays the projects that local governments have proposed for FY 2015 and 2016 with the results of the competitive scoring process for TAP funds. Updates from the Town of Chapel Hill, Carrboro, and City of Durham on FY 2015-2016 projects will be provided.

**TCC Action:** Receive update from municipalities on programming FY 2015-2016 projects.

**REPORTS FROM STAFF:****10. Reports from Staff****Attachment 10****Felix Nwoko, LPA Staff**

**TCC Action:** Receive report from staff

**11. Report from the Chair****No attachment****Mark Ahrendsen, TCC Chair**

**TCC Action:** Receive report from TCC Chair

**12. NCDOT Report****Attachment 12****Wally Bowman (Joey Hopkins), Division 5 – NCDOT****Mike Mills (Pat Wilson), Division 7 – NCDOT****Rob Stone (Darius Sturdivant), Division 8 – NCDOT****Julie Bollinger, Transportation Planning Branch – NCDOT****Kelly Becker, Traffic Operations – NCDOT**

**TCC Action:** Receive report from NCDOT

**INFORMATIONAL ITEMS:****13. Joint AMPO and Technical Committee Meeting Agenda****Attachment 13****14. Powell Bill Lane Mileage Study****Attachment 14**

**Adjourn**

**Next meeting: April 23, 2014**

**PLEASE NOTE THAT THE CHAPEL HILL STREET PARKING GARAGE IS NOW OPEN  
FOR BUSINESS.**

1 **TECHNICAL COORDINATING COMMITTEE**

2 **MEETING MINUTES**

3 **February 26, 2014**

4 The Technical Coordinating Committee met on February 26, 2014 at 9:05 a.m. in the Council  
5 Committee Room on the second floor of Durham City Hall. The following attended:

6	**Mark Ahrendsen	City of Durham (TCC Chair)
7	**Tom Altieri	Orange County
8	**Ellen Beckmann-Alternate	DCHC MPO
9	**Julie Bollinger	NCDOT - TPB
10	**Jeff Brubaker	Carrboro Planning
11	**David Bonk	Chapel Hill Planning (TCC Co-Chair)
12	**Margaret Hauth	Hillsborough Planning
13	**John Hodges-Copple	Triangle J COG
14	**Andy Henry	DCHC MPO
15	**Joey Hopkins - Alternate	NCDOT – Division #5
16	**Tasha Johnson	City of Durham - Engineering
17	**Bret Martin	Orange County
18	**Patrick McDonough	Triangle Transit
19	**Tina Moon	Carrboro Planning
20	**Kumar Neppalli	Chapel Hill Engineering
21	**Felix Nwoko	DCHC MPO
22	**Pierre Osei-Owusu	City of Durham - DATA
23	**Hillary Pace	Chatham County Planning
24	**Liz Rooks	Research Triangle Foundation
25	**Darius Sturdivant	NCDOT – Division #8
26	**Mila Vega - Alternate	Chapel Hill Transit
27	**Scott Whiteman	Durham City/County Planning
28	**Patrick Wilson – Alternate	NCDOT – Division #7
29	**Laura Woods	Durham City/County Planning
30		
31	Than Austin	UNC
32	Dale McKeel	DCHC MPO
33	Brian Rhodes	DCHC MPO
34	Meg Scully	DCHC MPO

35  
36 \*\*Voting Member

37 ^Temporary or Non-Voting Member

38 Quorum Count: 20 of 25 Voting Members

39  
40 Mark Ahrendsen, TCC Chair, called the meeting to order at 9:05 a.m. The Alternate Voting

41 Members were identified and indicated above.

42 **PRELIMINARIES:**

43 **Public Comments**

44 There were no comments from the public.

45 **General Comments**

46 Patrick McDonough stated the Federal Government notified Triangle Transit that the  
47 Durham-Orange Light Rail project has been accepted under project development and as of  
48 Wednesday, February 26, 2014 they have two years to complete the Environmental Impact  
49 Statement.

50 Felix Nwoko introduced Meg Scully as the new Grant Administrator for the DCHC MPO.

51 **CONSENT AGENDA:**

52 **Approval of December 18, 2013 TCC Meeting Minutes**

53 **Approval of the January 22, 2014 TCC Meeting Minutes**

54 **FY 2013- 2014 Unified Planning Work Program – Amendment #2**

55 There were no comments, corrections, or adjustments to the items on the consent agenda.

56 A motion was made by David Bonk to approve the items on the consent agenda and seconded by

57 Margaret Hauth. The motion carried unanimously.

58 **ACTION ITEMS:**

59 **Prioritization 3.0 - Local Ranking Methodology (Attachment 7, 7A, 7B, 7C,)**

60 Ellen Beckmann provided an introduction and an update on Prioritization 3.0 – Local Ranking  
61 Methodology along with attachments. Ellen Beckmann reminded the committee about the TAC  
62 approving the submission of the highway, bike and pedestrian, rail, and transit projects at the last  
63 meeting, which are in attachment 7A. Brian Rhodes is working on entering the projects into the  
64 SPOT online system prior to the deadline on Monday, March 3, 2014. Submissions for contributions  
65 of local funds are required to be entered into the system for highway projects. Ellen Beckmann

66 requested the groups who are committing to local funds submit their information to her along with  
67 supporting documentation via a letter on letterhead. Ellen Beckmann advised every one of the hand-  
68 out provided with Division #5's submission of highway and bike and pedestrian projects. Ellen  
69 Beckmann provided an overview of attachment 7B.

70 Mark Ahrendsen asked are the projects submitted by Division #5 in the long range plan and is  
71 that a condition of submitting projects. Joey Hopkins stated that he did not believe that all of the  
72 projects are in the long range plan and that is not a condition.

73 Ellen Beckmann stated that the action for today is to review the MPO's local ranking  
74 methodology and provide preliminary endorsement of a draft. Ellen Beckmann explained  
75 attachment 7C.

76 John Hodges-Copple asked how the Durham-Orange project would score on the federal  
77 funding availability and would it get hundred. Ellen Beckmann stated that the methodologies are by  
78 mode and tier and are not comparable to each other so the score does not matter since this is the  
79 only project in this category. John Hodges-Copple stated that the signature project in the MPO  
80 should receive the highest score and suggested figuring out what the score would be prior to  
81 submitting it. John Hodges-Copple also expressed concern about the availability and limitations of  
82 the funding source assigned to this project. Ellen Beckmann stated that she would share the  
83 concerns with NCDOT for feedback. Bret Martin stated that he agreed with John Hodges-Copple's  
84 comment about the importance of the vote determining local priority and asked if the maximum  
85 possible points for the Durham-Orange Light Rail Corridor is 300 (100 from the MPO and potentially  
86 100 from each division)? Ellen Beckmann asked Joey Hopkins if projects that cross boundaries get  
87 points from each Division averaged proportionately or are the points from each Division summed.  
88 Joey Hopkins replied that the points were prorated and the maximum is 100 from the Division  
89 Engineers. Bret Martin also commented about normalization and the possibility of the project

90 competing with highway projects. Mark Ahrendsen asked Ellen Beckmann to incorporate any  
91 changes and share the information with NCDOT for their feedback then share it with the TAC as the  
92 draft is brought to them for their consideration. Ellen Beckmann agreed and referred to attachment  
93 7C pages 8 and 9 and explained the subcommittee's discussion of the overall point assignment.

94 A motion was made by Felix Nwoko to add local input as the criterion for fixed guideway and  
95 to remove the recommended minimum points from the point assignment page and seconded by  
96 Andrew Henry. The motion carried unanimously.

97 **STP-DA and Transportation Alternatives Program (TAP) (Attachments 8, 8A, 8B, 8C, 8D)**

98 Ellen Beckmann provided an introduction on STP-DA and Transportation Alternatives  
99 Program (TAP) along with attachments.

100 Ellen Beckmann advised the committee that the subcommittee decided to forward the TIP  
101 Amendment that only reflected the fiscal year 2014 changes due to the uncertainty of scheduling and  
102 funding in the regional bike and pedestrian category. Ellen Beckmann provided information on the  
103 subcommittee's development of the TAP competitive process. David Bonk provided an update on Old  
104 Durham Chapel Hill Road and stated a reassessment has been done to provide the local match and  
105 found that they will be endorsing an option that would build the project as designed from Pope Road  
106 to the western edge of the Blue Cross Blue Shield property. Based on the estimate provided by Mike  
107 Kneis this project will require about \$2.8 million dollars in federal funding and about \$700,000 of  
108 local match. Hopefully the project will be endorsed by the Council on March 17, 2014.

109 Jeff Brubaker stated that they are about a million dollars short for phase one and two based  
110 on the most recent cost estimate from the consultant for the Morgan Creek Greenway. There is a  
111 plan to submit two RTP Grant applications for those phases. The total need would be between  
112 \$700,000 and \$800,000 of federal funding in the regional bike and pedestrian categories. Ellen

113 Beckmann stated that the request for the TCC is to recommend the approval of the TIP Amendment  
114 for FY 2014.

115 A motion was made by David Bonk to recommend the approval of the TIP Amendment for FY  
116 2014 and seconded by Jeff Brubaker. The motion carried unanimously.

117 **Draft FY 2014-2015 Unified Planning Work Program (UPWP) (Attachments 9, 9A, 9B)**

118 Meg Scully provided an introduction on the draft FY 2014 - 2015 Unified Planning Work  
119 Program (UPWP) along with attachments. Felix Nwoko provided information about the budget and  
120 referred to attachment 9A page 2.

121 Felix Nwoko stated that the recommendation would be for the TAC to release the draft FY  
122 2014-2015 UPWP for public comment.

123 A motion was made by David Bonk to recommend the release the draft FY 2014-2015 UPWP  
124 for public comment by the TAC and seconded by Scott Whiteman.

125 David Bonk asked about the notification status of Chatham County participating and what  
126 the impact would be if they do not. Felix Nwoko responded that the simple obvious effort is data  
127 collection (physical activity) is tied to Chatham County. Hillary Pace stated that Chatham County is  
128 still considering the information and will provide information at the upcoming March 17<sup>th</sup> meeting if  
129 not sooner. Jeff Brubaker suggested including information in reference to the possible changes to  
130 the draft that is released for public comment.

131 An amendment to the motion was made by Jeff Brubaker to incorporate the technical  
132 adjustments pursuant to the discussions with each member. The motion carried unanimously.

133 **FY 2013-2014 Grant Reporting Compliance (Attachment 10)**

134 Felix Nwoko provided an introduction on the FY 2013-2014 Grant Reporting Compliance  
135 along with an attachment.

136 Patrick McDonough stated it would be helpful to provide sample documents of the  
137 information that is required for submission. Felix Nwoko agreed. John Hodges-Copple commented  
138 on the issue with the deadline. Felix Nwoko replied and stated that the finance department  
139 suggested using an accrual system. John Hodges-Copple requested a written description of the  
140 accrual system suggested by the finance department that he can submit to his finance director.

141 **Re-allocation of FY 2011 Job Access/Reverse Commute (JARC) Section 5316 Funds (Attachment 11)**

142 Meg Scully provided an introduction to the re-allocation of FY 2011 Job Access/Reverse  
143 Commute (JARC) Section 5316 Funds along with an attachment. Meg Scully stated Suzie Taxi is  
144 unable to meet the obligations of the contract and recommended that their federal share in the  
145 amount of \$164,000.00 be split evenly among Chapel Hill Transit and Durham County. The action  
146 today would be to recommend that the TAC approve the re-allocation of the JARC Funds.

147 A motion was made by David Bonk to re-allocate the FY 2011 JARC Funds and seconded by  
148 Kumar Neppalli. The motion carried unanimously.

149 **DCHC MPO Memorandum of Understanding (Attachments 12, 12A, 12B)**

150 Ellen Beckmann provided an update on the DCHC MPO Memorandum of Understanding  
151 along with attachments. This MOU has been approved by City of Durham, Durham County, and  
152 Hillsborough. Carrboro has approved it with a few changes. Jeff Brubaker stated that the board  
153 approved it; however, the Mayor has executed an alternative version with clearer language. Mark  
154 Ahrendsen stated that the alternative language is a non-substantive change which does not change  
155 anything. Bret Martin stated that Orange County is currently waiting to see if there were any other  
156 substantive changes. Ellen Beckmann stated the MOU was considered but not approved by Chatham  
157 County. Chapel Hill considered the MOU and passed a resolution that is located in the packet.

158 Ellen Beckmann stated the action for today is for the TCC to consider recommending the  
159 changes to the TAC for endorsement of the MOU. David Bonk suggested including language in the

160 section that identifies the MPO's responsibility for the work program that would suggest all members  
161 will participate financially in support of the MPO. Ellen Beckmann stated that they will make the non-  
162 substantive changes to the document and send it out again for review.

163 A motion was made by Felix Nwoko to recommend the changes to the MOU to the TAC and  
164 seconded by David Bonk. The motion carried unanimously.

165 **Comprehensive Transportation Plan (CTP) (Attachment 13)**

166 Andy Henry provided an introduction along with an attachment. Andy Henry stated there are  
167 several collector street plans in the region; however, none that are MPO-wide. Andy Henry  
168 explained the schedule for the CTP. Bret Martin asked should the collector street plan be done in  
169 conjunction with the CTP. Andy Hendry stated he would recommend doing the collector street plan  
170 later. Bret Martin asked about an access management plan. Andy Henry stated he can look into  
171 having an access management plan as part of the CTP.

172 **REPORTS FROM STAFF:**

173 **Reports from Staff**

174 There were no reports from the staff.

175 **Report from the Chair**

176 There was nothing to report from the Chair.

177 **NCDOT Reports**

178 Joey Hopkins, Division #5, stated that Hopson Road will be closed for 10 days starting today  
179 for utility work and will close again possibly in the fall until early winter of this year for grade work.

180 Mark Ahrendsen asked about the East End Connector. Joey Hopkins stated the date has been  
181 pushed back to September of this year due to right-a-way delays.

182 Darius Sturdivant, Division #8, briefly informed the committee about the list sent from the  
183 district office listing 13 resurfacing projects in Chatham County. Darius Sturdivant stated he will

184 provide the details in his next report. Division #8 held an STI public input meeting last week. Darius  
185 Sturdivant provided information about the Division agreeing to submit four bike and pedestrian  
186 project from Chatham County.

187 **INFORMATIONAL ITEMS:**

188 Ellen Beckmann asked Julie Bollinger to describe the CMAQ timeline. Julie Bollinger stated  
189 that all the projects on the list are in the draft working plan for next TIP. The CMAQ schedule will be  
190 maintained by the Department of Transportation with the exception of special projects. Ellen  
191 Beckmann suggested working on the FY 2015 projects to prevent loss of funding.

192 **Adjournment**

193 There being no further business before the Technical Coordinating Committee, the meeting was  
194 adjourned at 11:46 a.m.

**MEMORANDUM**

**To:** Technical Coordinating Committee  
DCHC MPO

**From:** DCHC MPO Lead Planning Agency

**Date:** March 26, 2014

**Subject:** **FY 2016-2022 TIP – Prioritization 3.0**

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**Background**

Prioritization 3.0 is NCDOT's third iteration of using a quantitative prioritization process for development of the State Transportation Improvement Program (STIP). In 2013, the General Assembly codified the prioritization process and set many parameters on the use and distribution of transportation funding in legislation titled Strategic Transportation Investments (H817).

The Strategic Transportation Investments legislation organized transportation funding into three categories: Statewide Mobility, Regional Impact, and Division Needs. Statewide Mobility includes highway projects mostly on Interstates and the National Highway System (e.g. I-40, US 15/501, NC 147), commercial service airports (e.g. RDU), and major freight rail corridors (e.g. the NC Railroad). Regional Impact includes Statewide Mobility projects and adds highway projects on other NC and US routes (e.g. NC 54, US 501), public bus and rail transit that crosses county lines (e.g. Durham-Orange light rail, Triangle Transit bus). Division Needs includes Statewide Mobility, Regional Impact, and adds other state roads (e.g. Fayetteville Road), federally funded municipal roads (e.g. portions of Martin Luther King Jr. Parkway), other public transit (e.g. DATA, CHT), and bicycle and pedestrian projects.

Forty percent of the funding is allocated to the Statewide Mobility category for competition statewide based fully on a quantitative analysis. Thirty percent of the funding is allocated to the Regional Impact category for competition within two paired Divisions (5&6, 7&9, 8&10) and is distributed by population of the paired Divisions. Regional Impact projects compete based on a quantitative analysis and local input from MPOs, Rural Planning Organizations, and NCDOT Highway Division Engineers. Thirty percent of the funding is allocated to the Division Needs category for competition within a Division and is distributed equally to each Division. Division Needs projects compete based on a quantitative analysis and local input from MPOs, Rural Planning Organizations, and NCDOT Highway Division Engineers.

Prioritization 3.0 will result in a draft STIP which will be released by NCDOT by December 1, 2014. The MPO will also release a draft TIP at that time and seek public input. A final STIP and TIP are expected to be approved by July 1, 2015 by the NC Board of Transportation and the MPO. The STIP and TIP will include funding for federal fiscal years 2016 through 2022.

## Schedule

Steps for submission of projects:

- October 23, 2013: Deadline to modify an existing highway project
- November 29, 2013: Transit project submission deadline for Prioritization 3.0 for transit operators.
- January 8, 2014: DCHC MPO TAC votes on highway and bicycle/pedestrian projects to submit for Prioritization 3.0.
- February 12, 2014: DCHC MPO TAC votes on rail projects to submit for Prioritization 3.0 and considers any modifications needed for highway, bicycle/pedestrian, and transit projects.
- March 3, 2014: Highway, rail, bicycle/pedestrian, transit submission deadline for Prioritization 3.0.

Steps for developing local input points:

- January –April 2014: MPO develops and approves a local ranking methodology**
- February 26, 2014 TCC forwards draft local ranking methodology for TAC review
- March 12, 2013 TAC reviews draft local ranking methodology
- March 26, 2014 TCC makes recommendation on local ranking methodology
- April 9, 2014 TAC approves local ranking methodology
- May 1, 2014 NCDOT deadline for approval of local ranking methodology

*According to conversations with NCDOT SPOT staff, it is likely that the release of quantitative scores will be delayed. NCDOT SPOT Staff has pledged to allow a minimum of three months from the release of scores to the deadline for submission of points. With a delay, the extra June TCC and TAC meetings may not be necessary. The TCC could make a recommendation in July with TAC action in August.*

- April 30, 2014 NCDOT releases quantitative scores
- May 1-May 13, 2014 LPA applies local ranking methodology
- May 14, 2014 TAC releases proposed public input points for public comment
- June 11, 2014 TAC holds public hearing on public input points **\*evening meeting\***
- June 18, 2014 TCC makes recommendation on local input points **\*one week early\***
- June 25, 2014 TAC approves local input points **\*extra TAC meeting\***
- July 31, 2014 MPO submits local input points

## Highway

All highway projects previously submitted for earlier Prioritization processes remain in the project database for scoring. The TAC approved the submission of 16 highway projects to Prioritization. Division 5 submitted six highway projects in Durham County, Division 7 submitted four highway projects in the MPO portion of Orange County (plus one more additional outside of the MPO), and Division 8 submitted no highway projects in the MPO portion of Chatham County.

## Bicycle/Pedestrian

The TAC approved the submission of 20 bicycle/pedestrian projects to Prioritization. Division 5 submitted four bicycle/pedestrian projects in Durham County, Division 7 submitted six bicycle/pedestrian projects in the MPO portion of Orange County (plus one more additional outside of the MPO), and Division 8 submitted four bicycle/pedestrian projects in the MPO portion of Chatham County.

### **Transit**

Only expansion projects (e.g. expansion vehicles, new park-and-ride lots, etc.) are subject to the Prioritization 3.0 process. The MPO's four transit operators submitted 39 projects to Prioritization. The TAC approved the submission of 67 additional transit projects. None of the NCDOT Divisions submitted any additional transit projects.

### **Rail**

The NCDOT Rail Division submitted five rail projects to Prioritization. The TAC approved the submission of five additional rail projects. None of the NCDOT Divisions submitted any additional rail projects.

### **Coordination with Division Engineers**

The MPO needs to work closely with our NCDOT Division Engineers in order to get projects funded through Prioritization 3.0. The next step of ranking projects and determining ranking points should be coordinated with the Division Engineers to ensure that the region's priorities receive points from both the MPO and the Division. Three letters have been sent to the Division Engineers requesting coordination for Prioritization 3.0.

### **Local Ranking Methodology**

The DCHC MPO has an existing local ranking methodology used for Prioritization 2.0. The methodology needs to be revised for Prioritization 3.0. The existing methodology was dependent on data from NCDOT prioritization process for several criteria. These criteria have changed. In addition, the existing methodology is based on separate criteria for each mode, goal (mobility or modernization), and tier. For Prioritization 3.0, the MPO will need to develop a way to distribute ranking points across different modes within the regional and division categories.

According to the STI legislation, NCDOT must approve MPO's local ranking methodologies. Their deadline is for approval by May 1, 2014. There were several TCC meetings to develop a new project ranking methodology. A draft methodology was shared with the TAC in March and sent to NCDOT for initial feedback.

NCDOT's feedback is:

- The DCHC scoring criteria appears acceptable. However, as presently written, it appears there may be little connection between the scoring criteria and the TAC's assignment of points to projects. The underlined information on pages 2 and 6 can be interpreted that the TAC may

ignore the allocation of points. The committee understands some flexibility may be needed yet there needs to be a process to allow that flexibility. What needs to be made clear to the public is if there is any change to the either the draft or final allocation of ranking points by the TAC, the reasons for the change(s) need to be made clear and open and transparent to the public and posted on the DCHC website. The methodology needs to be revised to reflect this. Just for your information and potential use we offer the following as some guidance that other MPOs and RPOs have used and the Committee has found acceptable: "Any justification/rationale for point assignments made by the TAC which deviate from this local methodology will be placed on the MPO website."

- Please also include the actual URL of DCHC website in the narrative

LPA staff revised the MOU to address NCDOT's feedback. The TAC's discretion to vary from the order of points has been re-worded to emphasize that any variation must be described. The MPO's website address has been added.

**TCC Action:** Recommend that the TAC approve the final DCHC MPO Methodology for Ranking TIP Project Requests (FY 2016-2022).

SPOTID	Project Category	Specific Improvement Type	TIP #	Route Number	Route Name	From/Cross Street	To	Description	Local Priority List	Note	Statewide Preliminary Score	Regional Preliminary Score	Division Preliminary Score
Projects Already in the SPOT Database											Above avg. score for category <b>Top 10</b>		
H090006-A	Statewide Mobility	1 - Widen Existing Roadway	I-0305A	I-85		SR 1006 Near Hillsborough	East of SR 1709	Add Additional Lanes	Orange County; Hillsborough		25.11	20.20	16.08
H090006-B	Statewide Mobility	1 - Widen Existing Roadway	I-0305B	I-85		East of SR 1709	Durham County Line	Add Additional Lanes	Orange County; Hillsborough		27.91	22.93	18.07
H090010-A	Statewide Mobility	1 - Widen Existing Roadway	I-3306A	I-40		I-85	US 15/501	Add Additional Lanes	Orange County		<b>43.89</b>	30.12	<b>23.52</b>
H090366	Statewide Mobility	2 - Upgrade Arterial to Freeway/Expressway	U-2807	US 15/501		I-40	US 15/501	I-40 to US 15/501 Bypass in Durham. Major Corridor Upgrade.	Durham, Durham County		<b>41.83</b>	<b>36.76</b>	<b>22.93</b>
H110997	Statewide Mobility	1 - Widen Existing Roadway	FS-1205C	NC 147	Durham Freeway	I-40	East End Connector	Widen Roadway to 6 Lanes and Rehabilitate Pavement	Durham, Durham County		<b>31.62</b>	25.21	<b>21.45</b>
H111013	Statewide Mobility	1 - Widen Existing Roadway	FS-1205A	I-40		NC 147	Wade Avenue	Construct Managed Lanes	Durham, Durham County		<b>61.02</b>	<b>40.35</b>	<b>28.50</b>

SPOTID	Project Category	Specific Improvement Type	TIP #	Route Number	Route Name	From/Cross Street	To	Description	Local Priority List	Note	Statewide Preliminary Score	Regional Preliminary Score	Division Preliminary Score
H111014	Statewide Mobility	1 - Widen Existing Roadway	FS-1305A	I-540		I-40	US 64 Bypass	Convert Freeway to tolled Facility and Widen to 8 Lanes	Durham, Durham County		63.13	49.71	38.92
H111097	Statewide Mobility	16 - Modernize Roadway		NC 147		East End Connector	US 15/501	Modernization, Pavement Rehabilitation, Interchange Consolidation/Upgrades, and Lighting (pending lighting study recommendations)	Durham, Durham County		In Progress	26.47	21.04
H111131	Statewide Mobility	1 - Widen Existing Roadway		I-40		NC 147	US 15/501	Construct 1 Managed Lane Per Direction (Additional 16Ft of Pavement - 12Ft Lanes + 4Ft Pavement For Separation with General Purpose Lanes)	Durham, Durham County		49.58	34.78	26.46
H111143-A	Statewide Mobility	4 - Upgrade Arterial to Superstreet	U-5304A	US 15/501	Fordham Boulevard	SR 1742 (Ephesus Church Road)	NC 86 (Columbia Street)	Capacity improvements and possible interchange at Manning Drive, with Sidewalks, Wide-Outside Lanes, and Transit Accommodations.	Chapel Hill	Different description: Capacity improvements with sidewalks, bicycle, and transit accommodations	44.48	32.56	26.28
H111143-B	Statewide Mobility	4 - Upgrade Arterial to Superstreet	U-5304B	US 15/501	Fordham Boulevard	East Lakeview Drive	Sage Road	Upgrade Road to "Superstreet"	Chapel Hill	Different description: Capacity improvements with sidewalks, bicycle and transit accommodations	67.38	63.43	45.75
H111143-C	Statewide Mobility	10 - Improve Intersection	U-5304C	US 15/501		SR 1742 (Ephesus Church Road)		Intersection Improvements	Chapel Hill		In Progress	42.68	34.44
H128086	Statewide Mobility	7 - Upgrade At-grade Intersection to Interchange or Grade Separation		US 70		Miami Boulevard		Upgrade Existing at-Grade intersection to interchange	Durham, Durham County		46.34	42.54	27.36

SPOTID	Project Category	Specific Improvement Type	TIP #	Route Number	Route Name	From/Cross Street	To	Description	Local Priority List	Note	Statewide Preliminary Score	Regional Preliminary Score	Division Preliminary Score
H129603-A	Statewide Mobility	1 - Widen Existing Roadway	I-4743A	I-85/US 15		US 70	SR 1675 (Glenn School Road)	Add Additional Lanes	Durham, Durham County		27.20	20.33	15.22
H129603-B	Statewide Mobility	1 - Widen Existing Roadway	I-4743B	I-85/US 15		SR 1675 (Glenn School Road)	SR 1632 (Red Mill Road)	Add Additional Lanes	Durham, Durham County		28.59	22.33	17.52
H129638-A	Statewide Mobility	6 - Widen Existing Roadway and Construct Part on New Location	U-4720A	US 70		Lynn Road	Miami Blvd	Upgrade Roadway to Freeway	Durham, Durham County		In Progress	39.69	26.87
H129638-B	Statewide Mobility	6 - Widen Existing Roadway and Construct Part on New Location	U-4720B	US 70		Miami Blvd	Proposed Northern Durham Parkway	Upgrade Roadway to Freeway	Durham, Durham County		32.18	31.43	21.45
H090326	Regional Impact	5 - Construct Roadway on New Location	U-2405		New Route - Martin Luther King, Jr. Parkway Extension	NC 55	Cornwallis Road	NC 55 to Cornwallis Road. Pedestrian, Bicycle, and Transit Facilities.	Durham, Durham County		n/a	19.59	17.17
H090531-A	Regional Impact	1 - Widen Existing Roadway	U-5324A	NC 54		SR 1110 (Barbee Chapel Road)	I-40	Widen Roadway to 6 Lanes with Bicycle, Pedestrian, and Transit Facilities (Adjacent Multiuse Path)	Durham, Durham County		n/a	42.17	34.17
H090531-B	Regional Impact	1 - Widen Existing Roadway	U-5324B	NC 54		I-40	NC 751	Widen to Multi-Lanes with Bicycle, Pedestrian, and Transit Accommodations	Durham, Durham County		n/a	25.24	21.12

SPOTID	Project Category	Specific Improvement Type	TIP #	Route Number	Route Name	From/Cross Street	To	Description	Local Priority List	Note	Statewide Preliminary Score	Regional Preliminary Score	Division Preliminary Score
H090531-C	Regional Impact	1 - Widen Existing Roadway	U-5324C	NC 54		NC 751	SR 1118 (Fayetteville Road)	Widen to Multi-Lanes with Bicycle, Pedestrian, and Transit Accommodations	Durham, Durham County		n/a	29.78	25.26
H090531-D	Regional Impact	1 - Widen Existing Roadway	U-5324D	NC 54		SR 1118 (Fayetteville Road)	SR 1106 (Barbee Road)	Widen to Multi-Lanes with Bicycle, Pedestrian, and Transit Accommodations	Durham, Durham County		n/a	24.02	20.54
H090531-E	Regional Impact	1 - Widen Existing Roadway	U-5324E	NC 54		SR 1106 (Barbee Road)	NC 55	Widen to Multi-Lanes with Bicycle, Pedestrian, and Transit Accommodations	Durham, Durham County		n/a	26.43	22.27
H090555-A	Regional Impact	1 - Widen Existing Roadway		NC 751		US 64	O'Kelly Chapel Road	Widen to 4 Lanes with Bicycle Lanes on Existing Location.		Widening is not in the 2040 MTP; Much of project is in TARPO; Chatham County has requested that it be scored.	n/a	17.51	12.83
H090555-B	Regional Impact	1 - Widen Existing Roadway		NC 751		Renaissance Parkway	O'Kelly Chapel Road	Widen Roadway to Four Lanes with a Median and Bicycle, Pedestrian and Transit Facilities As Appropriate.	Durham, Durham County		n/a	17.24	14.57
H090558	Regional Impact	8 - Improve Interchange		I-85/US 70 Connector		US 70		Reconstruct interchange to Allow For Full Movements	Orange County		n/a	7.34	4.90

SPOTID	Project Category	Specific Improvement Type	TIP #	Route Number	Route Name	From/Cross Street	To	Description	Local Priority List	Note	Statewide Preliminary Score	Regional Preliminary Score	Division Preliminary Score
H090652	Regional Impact	1 - Widen Existing Roadway		NC 751	Hope Valley Road	South Roxboro Road	NC 54	NC 751 (S. Roxboro Rd. to NC 54) Widen to 4-Lane, Bike Lanes, and Sidewalks.	Durham, Durham County		n/a	26.86	22.92
H090961	Regional Impact	16 - Modernize Roadway		NC 86		US 70A	I-40	Construct Wide Outside Lanes.			n/a	14.28	12.46
H111011	Regional Impact	1 - Widen Existing Roadway		NC 751		NC 54	Renaissance Parkway	Widen Roadway to Four Lanes with a Median with Bicycle, Pedestrian and Transit Facilities As Appropriate.	Durham, Durham County		n/a	21.22	18.41
H111036	Regional Impact	1 - Widen Existing Roadway		NC 86		US 70 Bypass	North of NC 57	Widen Roadway to Four Lanes with a Median and Improve intersections at US 70 Bypass and NC 57 .	Orange County	Not in 2040 MTP	n/a	24.10	19.40
H128065	Regional Impact	10 - Improve Intersection		NC 751	Hope Valley Road	SR 1183 (University Drive)		Construct Roundabout	Durham, Durham County		n/a	43.33	35.03
H129645	Regional Impact	1 - Widen Existing Roadway	U-4722	US 501	Roxboro Road	US 501 Bypass (Duke Street)	SR 1640 (Goodwin Road)	Widen to Six Lanes	Durham, Durham County		n/a	27.83	22.30
H129685	Regional Impact	10 - Improve Intersection	U-5516	US 501	Roxboro Road	SR 1448 (Latta Road) / SR 1639 (Infinity Road)		Add lanes through intersection	Durham, Durham County		n/a	50.00	39.65
H090200	Division Needs	1 - Widen Existing Roadway	R-2825	SR 1009	South Churton Street	I-40	Eno River	I-40 to Eno River. Widen to Multi-Lanes with Landscaped Median, Bicycle Lanes, and Sidewalks, Widen Bridge No. 240 Over Southern Railroad.	Orange County; Hillsborough	I-40 to US 70 Business.	n/a	n/a	22.29

SPOTID	Project Category	Specific Improvement Type	TIP #	Route Number	Route Name	From/Cross Street	To	Description	Local Priority List	Note	Statewide Preliminary Score	Regional Preliminary Score	Division Preliminary Score
H090239	Division Needs	5 - Construct Roadway on New Location	R-3438		New Route - Hillsborough Western Bypass	US 70	NC 57	US 70 to NC 57. Two Lanes on New Location.		Not in 2040 MTP; NCDOT Division 7 does not agree with the removal of this project.	n/a	n/a	15.82
H090365	Division Needs	16 - Modernize Roadway	U-2805	SR 1777	Homestead Road	SR 1009 (Old NC 86)	NC 86	SR 1009 (Old NC 86) to NC 86. Widen to include Bicycle Lanes, Sidewalks, Transit Accommodations, and Safety Improvements (Design May Vary Along Length).	Chapel Hill; Carrboro; Orange County		n/a	n/a	10.32
H090372-B	Division Needs	5 - Construct Roadway on New Location	U-2831B		New Route - Briggs Avenue Extension	Riddle Road	SR 1951 (So-Hi Drive)	Riddle Road to SR 1951 (So-Hi Drive). Two Lanes on Multi-Lane Right of Way.	Durham, Durham County	Durham and Durham County have requested removal. It is not in the 2040 MTP.	n/a	n/a	9.58
H090408	Division Needs	10 - Improve Intersection	U-3436	SR 1148, SR 1192	Eno Mountain Road, Mayo Street	SR 1006 (Orange Grove Road)		SR 1148 (Eno Mountain Road) and SR 1192 (Mayo Street) at SR 1006 (Orange Grove Road). Realign intersection and Make Safety Improvements. include Bicycle Lanes and Sidewalks.	Orange County; Hillsborough		n/a	n/a	5.10
H090487-D	Division Needs	1 - Widen Existing Roadway	U-4716D	SR 1978	Hopson Street	SR 1999 (Davis Drive)	NC 54 (Miami Blvd)	Widen to Multi-Lanes	Durham, Durham County		n/a	n/a	13.50
H090631	Division Needs	16 - Modernize Roadway		SR 1734	Erwin Road	US 15/501	NC 751	US 15/501 to NC 751, Bike Lanes, Sidewalks, and Safety Improvements (Design May Vary Along Length).	Chapel Hill, Durham, Durham County		n/a	n/a	13.93
H090632	Division Needs	16 - Modernize Roadway		SR 1717	Jack Bennett Road	US 15/501	SR 1721 (Lystra Rd)	Jack Bennett Rd (SR 1717) (US 15/501 to Lystra Rd (SR 1721) Safety Improvements.	Chatham County	REMOVE - Project is funded through Division.	n/a	n/a	<b>M</b>
H090637	Division Needs	1 - Widen Existing Roadway		SR 1118	Fayetteville Road	Woodcroft Pkwy	SR 1171 (Riddle Road)	SR 1118 (Fayetteville Road) (Woodcroft Pkwy to Riddle Road (SR 1171)) Widen to 4-Lane Divided, Bikelanes and Sidewalks.	Durham, Durham County		n/a	n/a	22.77

SPOTID	Project Category	Specific Improvement Type	TIP #	Route Number	Route Name	From/Cross Street	To	Description	Local Priority List	Note	Statewide Preliminary Score	Regional Preliminary Score	Division Preliminary Score
H090641	Division Needs	16 - Modernize Roadway		SR 1780	Estes Drive	NC 86	Caswell Road	Estes Drive (NC 86 to Caswell Road) Widen Existing Roadway to include Two 12-Foot Travel Lanes, Four-Foot Bicycle Lanes and Sidewalks.			n/a	n/a	20.69
H090647	Division Needs	5 - Construct Roadway on New Location		SR 1006	New Route - Orange Grove Road	SR 1006 (Orange Grove Road)	US 70A	Orange Grove Road Extension (Orange Grove Road to US 70) with Sidewalks and Bicycle Lanes	Orange County; Hillsborough		n/a	n/a	23.61
H090649	Division Needs	16 - Modernize Roadway		SR 1762	Jeremiah Drive	SR 1721 (Lystra Road)	End of Road	Elevate Road For Flood Control.	Chatham County	REMOVE - Not a TIP-level project.	n/a	n/a	M
H090651	Division Needs	1 - Widen Existing Roadway		SR 1004	Old Oxford Highway	US 501 Business (Roxboro Road)	Hamlin Road	Old Oxford Highway (Roxboro Road to Hamlin Road) Expand Capacity, Bike Lanes, and Sidewalks.	Durham, Durham County	Durham and Durham County requested removal. NCDOT Division 5 requested it be scored. Not in 2040 MTP.	n/a	n/a	17.38
H090653	Division Needs	16 - Modernize Roadway		SR 1721	Lystra Road	US 15/501	SR 1008 (Farrington Point Road)	Safety Improvements and 4' Bicycle Lanes.	Chatham County		n/a	n/a	8.75
H090654	Division Needs	10 - Improve Intersection		SR 1010	Franklin Street/East Main Street	Merritt Mill Road (SR 1771)/Brewer Lane		Franklin Street/Merritt Mill Road/Brewer Ln/E Main Street intersection Improvements.	Chapel Hill; Carrboro		n/a	n/a	34.84
H090655	Division Needs	10 - Improve Intersection		SR 1780	Estes Drive	SR 1772 (Greensboro Street)		SR 1780 (Estes Drive)/SR 1772 (Greensboro Street) Construct Roundabout.	Carrboro		n/a	n/a	In Progress
H090826	Division Needs	16 - Modernize Roadway		SR 1843	Seawell School Road	SR 1780 (Estes)	SR 1777 (Homestead)	Seawell School Road (Homestead to Estes) Bicycle Lanes, Sidewalks, Transit Accommodations, and intersection Safety Improvements (Design May Vary Along Length)	Chapel Hill		n/a	n/a	7.53
H090859	Division Needs	5 - Construct Roadway on New Location			New Route - T.W. Alexander Drive Extension	ACC Boulevard	Leesville Road	Extension of Tw Alexander Drive (4 Lanes New Location)	Durham, Durham County		n/a	n/a	4.97

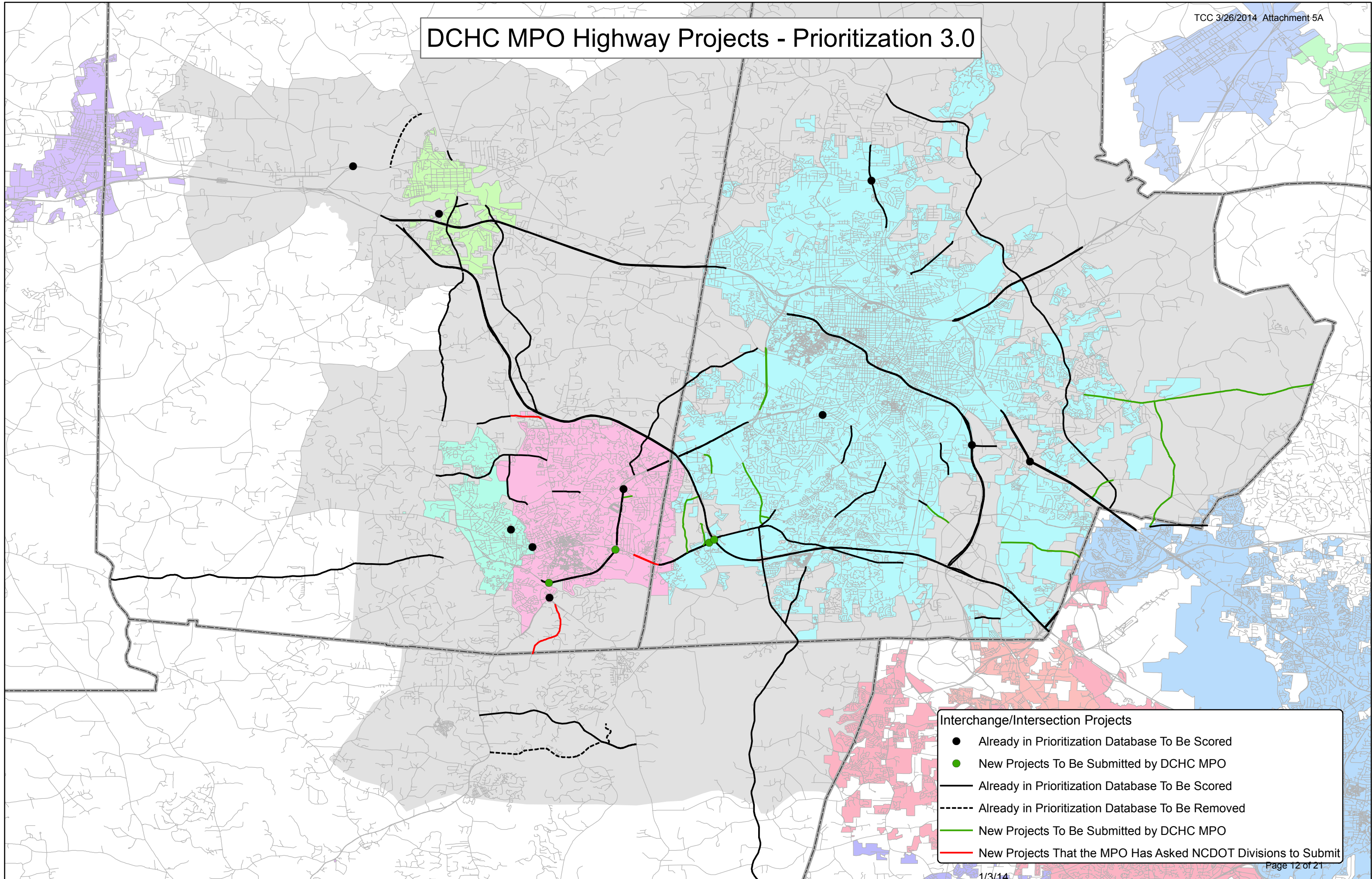
SPOTID	Project Category	Specific Improvement Type	TIP #	Route Number	Route Name	From/Cross Street	To	Description	Local Priority List	Note	Statewide Preliminary Score	Regional Preliminary Score	Division Preliminary Score
H090953	Division Needs	16 - Modernize Roadway		SR 1009	Old NC 86	I-40	SR 1727 (Eubanks Road)	Widen Outside Lanes.			n/a	n/a	9.38
H111005	Division Needs	1 - Widen Existing Roadway		SR 1940	Glover Road	NC 147	SR 1926 (Angier Avenue)	Convert Existing Grade Separation at NC 147 to An interchange and Widen Roadway to Four Lanes with a Median and Bicycle, Pedestrian, and Transit Facilities Asappropriate.	Durham, Durham County	Durham and Durham County requested removal. Not in 2040 MTP. Keep in database for now as we do not need to replace this project with another.	n/a	n/a	8.29
H111033	Division Needs	1 - Widen Existing Roadway		SR 1118	Fayetteville Road	Renaissance Parkway	NC 751	Widen Roadway to Four Lanes with a Median and Bicycle, Pedestrian and Transit Facilities As Appropriate.	Durham, Durham County		n/a	n/a	10.78
H111034	Division Needs	6 - Widen Existing Roadway and Construct Part on New Location		SR 1146	Roxboro Street	SR 1158 (Cornwallis Rd)	Martin Luther King, Jr. Parkway	Widen Existing Roadway to Multi-Lanes and Construct on New Location Multi-Lane Roadway with Bicycle, Pedestrian	Durham, Durham County		n/a	n/a	11.59
H111056	Division Needs	10 - Improve Intersection		SR 1771		SR 1008 (Mount Carmel Church Road)	1913 (Bennett Road)	Construct Roundabout and Related Safety Improvements at the Existing intersection of Mount Carmel Church Road and Bennett Road.	Chapel Hill		n/a	n/a	14.76
H111096	Division Needs	16 - Modernize Roadway		SR 1727	Eubanks Road	SR 1729 (Rogers Road)	NC 86	Construct Bicycle Lanes, Sidewalks, Safety and intersection Improvements.	Orange County	Bike lanes from Old NC 86 to NC 86;	n/a	n/a	11.69
H111162	Division Needs	16 - Modernize Roadway		SR 1005	Old Greensboro Road	SR 2057 (Sturbridge Lane)	Alamance County Line	Add 4-Foot Paved Shoulders			n/a	n/a	8.38
H129640-B	Division Needs	5 - Construct Roadway on New Location	U-4721B		New Route - Northern Durham Parkway	US 70	NC 98	Construct Multi-Lanes on New Location	Durham, Durham County		n/a	n/a	20.97

SPOTID	Project Category	Specific Improvement Type	TIP #	Route Number	Route Name	From/Cross Street	To	Description	Local Priority List	Note	Statewide Preliminary Score	Regional Preliminary Score	Division Preliminary Score
H129640-C	Division Needs	5 - Construct Roadway on New Location	U-4721C		New Route - Northern Durham Parkway	NC 98	I-85	Construct Multi-Lanes on New Location	Durham, Durham County		n/a	n/a	20.97
H129640-D	Division Needs	5 - Construct Roadway on New Location	U-4721D		New Route - Northern Durham Parkway	I-85	SR 1004 (Old Oxford Road)	Construct Multi-Lanes on New Location	Durham, Durham County		n/a	n/a	22.32
H129640-E	Division Needs	5 - Construct Roadway on New Location	U-4721E		New Route - Northern Durham Parkway	SR 1004 (Old Oxford Road)	US 501 (Roxboro Road)	Construct Two Lanes, Part on New Location	Durham, Durham County		n/a	n/a	7.08

SPOTID	Project Category	Specific Improvement Type	TIP #	Route Number	Route Name	From/Cross Street	To	Description	Local Priority List	Note	Statewide Preliminary Score	Regional Preliminary Score	Division Preliminary Score
<b>Projects Submitted by the MPO for Prioritization 3.0</b>													
H141884	Statewide Mobility	8 - Improve Interchange		US 15/501	Fordham Boulevard	NC 54	NC 86	Interchange improvements. Increase capacity on northbound to eastbound movement.	Chapel Hill	Included in 2040 MTP as a TSM project. No horizon year. Or as part of Fordham Boulevard widening project.	In Progress	In Progress	In Progress
H140638	Division Needs	5 - Construct Roadway on New Location			Elliot Road	US 15/501	Ephesus Church Road	Construct Extension of Existing Roadway on New Location	Chapel Hill	2020 in 2040 MTP	n/a	n/a	15.26
H140659	Statewide Mobility	8 - Improve Interchange		I-40	I-40/NC 54 (interchange)	I-40	NC 54	Upgrade interchange	Durham, Durham County	2030 in 2040 MTP	In Progress	In Progress	In Progress
H140619	Statewide Mobility	1 - Widen Existing Roadway		US 15/501	US 15-501 Bypass	Pickett Rd	Cameron Blvd	Widen to six lanes	Durham, Durham County	2040 in 2040 MTP	In Progress	23.53	18.27
H140660	Regional Impact	7 - Upgrade At-grade Intersection to Interchange or Grade Separation		NC 54	NC 54/Farrington Rd (grade separation)	Farrington Rd	NC 54	Grade separation	Durham, Durham County	2030 in 2040 MTP	n/a	In Progress	In Progress
H140661	Regional Impact	1 - Widen Existing Roadway		NC 98	NC 98 (Holloway St)	Oak Grove/Nichols Farm	Wake County Line	Widen to four lanes	Durham, Durham County	2040 in 2040 MTP	n/a	20.30	14.51
H140663	Division Needs	1 - Widen Existing Roadway		SR 1158	Cornwallis Rd	NC 55	Alexander Dr	Widen to four lanes	Durham, Durham County	2030 in 2040 MTP	n/a	n/a	13.68
H140669	Division Needs	5 - Construct Roadway on New Location			Farrington Rd (realignment)	NC 54	Wendell Rd	New alignment	Durham, Durham County	2030 in 2040 MTP	n/a	n/a	36.51
H140665	Division Needs	16 - Modernize Roadway			Garrett Rd	NC 751	Old Durham Rd	Add turn lanes, bicycle lanes, sidewalks	Durham, Durham County	2030 in 2040 MTP	n/a	n/a	20.82
H141304	Division Needs	5 - Construct Roadway on New Location			Woodcroft Pkwy Ext	Garrett Rd	Hope Valley Rd	New alignment	Durham, Durham County	2030 in 2040 MTP	n/a	n/a	27.21
H140713	Division Needs	5 - Construct Roadway on New Location			Globe Rd Ext (Brier Creek Parkway)	Miami Blvd	Wake County Line	New alignment	Durham, Durham County	2040 in 2040 MTP	n/a	n/a	16.55
H140714	Division Needs	5 - Construct Roadway on New Location			Leesville Rd Ext	Northern Durham Parkway	US 70/Page Rd Ext	New alignment	Durham, Durham County	2040 in 2040 MTP	n/a	n/a	9.02
H140715	Division Needs	5 - Construct Roadway on New Location			Olive Branch Rd Ext	NC 98	Wake County Line	New alignment	Durham, Durham County	2040 in 2040 MTP	n/a	n/a	4.87
H140716	Division Needs	1 - Widen Existing Roadway			SW Durham Dr	Witherspoon Rd	Old Chapel Hill Rd	Widen to four lanes	Durham, Durham County	2040 in 2040 MTP	n/a	n/a	2.65
H140717	Division Needs	5 - Construct Roadway on New Location			SW Durham Dr	I-40	NC 54	New alignment	Durham, Durham County	2040 in 2040 MTP	n/a	n/a	15.88
H141779	Regional Impact	13 - Citywide Signal System		Multiple	Multiple			City of Durham Signal System Upgrade (inc. central servers, signal controller upgrades for FYA and transit priority, CCTV network, fiber optic communications network, etc.)	Late staff request	Included in 2040 MTP as a TSM project. No horizon year.	n/a	32.76	26.82

SPOTID	Project Category	Specific Improvement Type	TIP #	Route Number	Route Name	From/Cross Street	To	Description	Local Priority List	Note	Statewide Preliminary Score	Regional Preliminary Score	Division Preliminary Score
<b>Projects Submitted by NCDOT Divisions for Prioritization 3.0</b>													
H140722	Statewide Mobility	1 - Widen Existing Roadway		I-40		NC 147	NC 55	Construct auxiliary lane in the wb direction	Division 5	Not explicitly in 2040 MTP, but might be considered a TSM project or as part of the managed lanes project	In Progress	43.44	33.35
H140747	Statewide Mobility	16 - Modernize Roadway		I-85		SR 1632 (Red Mill Rd)	Falls Lake	Rehab pavement	Division 5	Included in 2040 MTP as a TSM project	In Progress	21.46	16.75
H140661	Regional Impact	1 - Widen Existing Roadway		NC 98		Wake County Line	SR 1815 (Mineral Springs Rd)	Widen to multi-lanes	Division 5, Durham, Durham County	2040 in 2040 MTP	n/a	20.31	14.51
H111097	Statewide Mobility	1 - Widen Existing Roadway		NC 147		East End Connector	US 15-501	Widen from 4 to 6 lanes	Division 5	Not in 2040 MTP	In Progress	26.48	21.04
H141047	Regional Impact	1 - Widen Existing Roadway		NC 55		SR 1954 (S Alston Ave)	Price Ave	Construct additional lane	Division 5	Not in 2040 MTP	n/a	45.37	37.37
H140663	Division Needs	1 - Widen Existing Roadway		SR 1121	Cornwallis Rd	Proposed MLK Jr Parkway Extension	SR 2028 (T. W. Alexander)	Widen to multi-lanes	Division 5, Durham, Durham County	2030 in 2040 MTP	n/a	n/a	13.68
H141545	Statewide Mobility	8 - Improve Interchange		US 15/501	Fordham Boulevard	NC 54	Raleigh Road	Interchange Improvements	Chapel Hill, Division 7	2030 in 2040 MTP	In Progress	In Progress	In Progress
H141336	Division Needs	1 - Widen Existing Roadway			Eubanks Rd.	Millhouse Rd.	NC 86	Widen from 2 to 4 lanes	Division 7	2030 in 2040 MTP	n/a	n/a	8.09
H141550	Regional Impact	7 - Upgrade At-grade Intersection to Interchange or Grade Separation		NC 54		Burning Tree Dr	Barbee Chapel Rd	Superstreet project and include interchange at Barbee Chapel Rd.	Division 7	Combination of 3 projects from NC 54 Corridor Study. One in 2030 in 2040 MTP; one in 2040 in 2040 MTP; one in proposed CTP	n/a	36.86	22.69
H141499	Division Needs	5 - Construct Roadway on New Location			Hillsborough Southwest Connector	US 70	Orange Grove Rd	Construct two-lane roadway on new location	Division 7	Not in 2040 MTP	n/a	26.15	21.18

# DCHC MPO Highway Projects - Prioritization 3.0



- Interchange/Intersection Projects**
- Already in Prioritization Database To Be Scored
  - New Projects To Be Submitted by DCHC MPO
  - Already in Prioritization Database To Be Scored
  - - - - Already in Prioritization Database To Be Removed
  - New Projects To Be Submitted by DCHC MPO
  - New Projects That the MPO Has Asked NCDOT Divisions to Submit

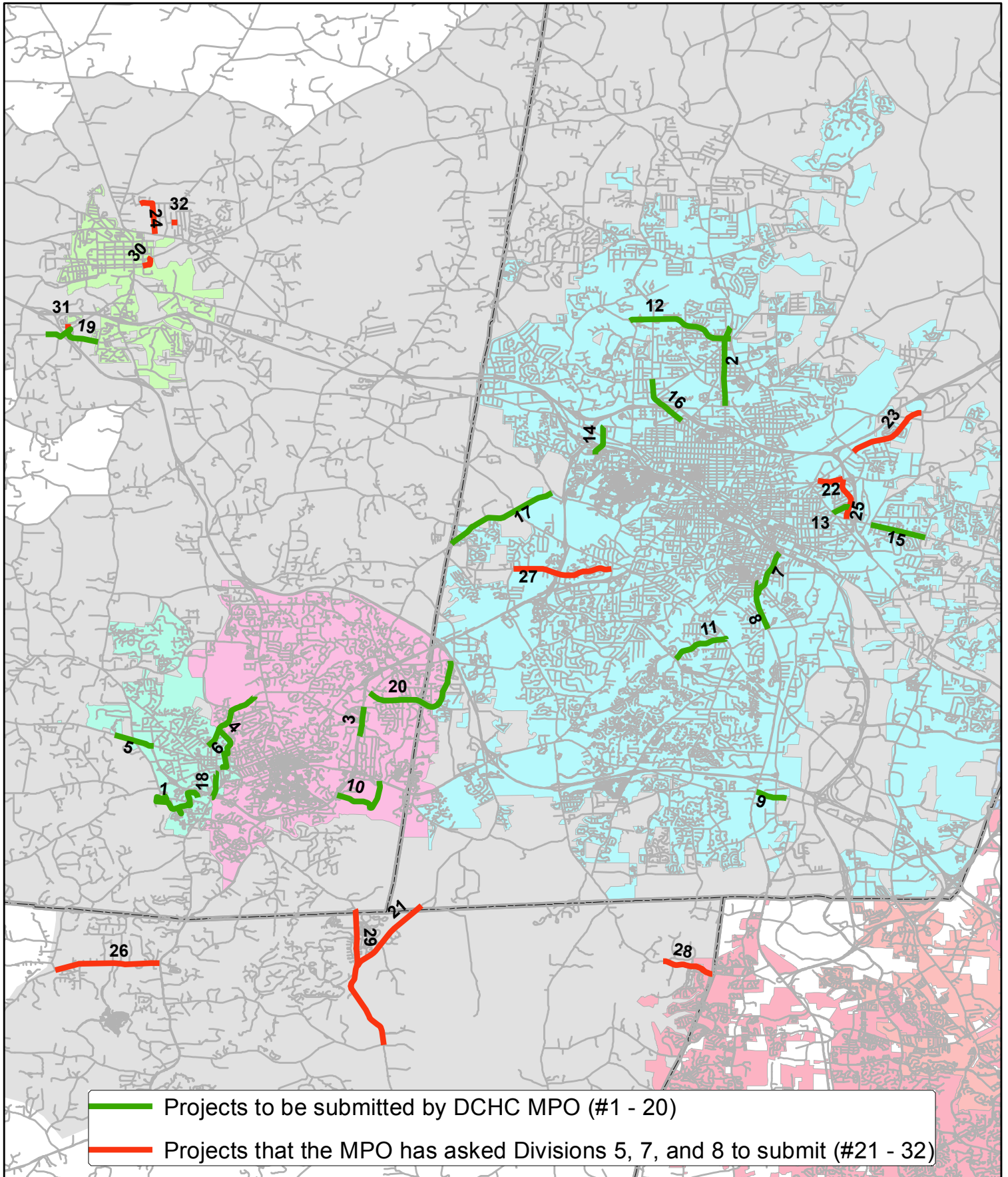
**DCHC MPO Bicycle/Pedestrian Projects Submitted for Prioritization 3.0**

	<b>Project Description</b>	<b>Submitted by</b>	<b>Div</b>
<b>Projects Submitted by MPO to Prioritization 3.0</b>			
1	Morgan Creek Trail Phase II - multi-use path from University Lake to the western terminus of Phase I and a multi-use path spur to BPW Club Rd.	Carrboro	7
2	US 501 Bypass (Duke Street) (Murray Ave. to Roxboro Rd.) – sidewalks	Durham, Durham County	5
3	US 15-501 (Fordham Blvd) (Cleland Dr to Willow Dr) - improve existing off-road path and construct new section of sidepath	Chapel Hill	7
4	Campus to Campus Connector (Merritt Mill Rd to Carolina North Campus) – multi-facility signed route (on-road and trail) providing bicycle and pedestrian connectivity.	Chapel Hill	7
5	NC 54 (James St. to Anderson Park) – sidepath on the north side of the road to accommodate two-direction bicycle transportation	Carrboro	7
6	Estes Dr. (Greensboro St. to Carrboro Town Limits) – bicycle lanes, sidewalk (south side), and transit accommodations.	Carrboro	7
7	Bryant Bridge Trail (NC 55 to Kelly Bryant Bridge) – shared use path	Durham, Durham County	5
8	NC 55 (Riddle Road to Cecil Street) - sidewalks	Durham, Durham County	5
9	NC 54 (NC 55 to RTP) – sidewalks	Durham, Durham County	5
10	Finley Golf Course Rd (US 15-501/NC 54 to NC 54) - sidepath on one side or bicycle lanes	Chapel Hill	7
11	Cook Road (Fayetteville Rd. near Hillside High to Martin Luther King, Jr. Parkway) – Construct bicycle lanes and sidewalks	Durham, Durham County	5
12	Horton Road (Hilldale Rd. to Roxboro Rd.) – bike lanes and sidewalks	Durham, Durham County	5
13	Raynor Street (Miami Blvd to Hardee St.) - sidewalks	Durham, Durham County	5
14	LaSalle Street (Kangaroo to Sprunt) - sidewalks	Durham, Durham County	5
15	NC 98 (Holloway St) (SR 1838 (Junction Rd) to Chandler Rd) sidewalks.	Durham, Durham County	5
16	Guess Road (Hillcrest to Carver) - sidewalks	Durham, Durham County	5

**DCHC MPO Bicycle/Pedestrian Projects Submitted for Prioritization 3.0**

	<b>Project Description</b>	<b>Submitted by</b>	<b>Div</b>
17	Erwin Rd (NC 751 to Orange County Line) - bicycle lanes or shoulders	Durham, Durham County	5
18	SR 1919 (S Greensboro St) (Old Pittsboro Rd to NC 54) sidewalk on the west side	Carrboro	7
19	Orange Grove Road/I-40 Pedestrian Bridge and Supporting Sidewalk Improvements	Hillsborough, Orange County	7
20	Pope Road / Ephesus Church Road (Old Durham-Chapel Hill Rd to Legion Road) - sidewalks and bicycle lanes	Durham, Durham Co., Chapel Hill	5, 7
<b>Projects Submitted by NCDOT Divisions for Prioritization 3.0</b>			
21	Farrington Point Rd / Old Farrington / Farrington Mill Rd (Durham County Line to Lystra Rd) - bicycle lanes	Division 8	8
22	SR 1800 (Cheek Rd) (Geer St) to Hardee St) - sidewalks	Division 5	5
23	Geer Street (Midland Terrace to Glen School Rd) - bicycle lanes and sidewalks	Division 5	5
24	Orange High School Road/Harold Latta Road Sidewalk Improvements	Division 7	7
25	Hardee Street (Holloway St. to Cheek Rd.) - sidewalks	Division 5	5
26	Mann's Chapel Rd (US 15-501 to Poythress Rd) - bicycle lanes	Division 8	8
27	Pickett Road (Garrett Rd to Academy) - sidewalks and bicycle lanes	Division 5	5
28	O'Kelley Chapel Road (Wake County Line/Yates Store Rd to American Tobacco Trail) - sidepath	Division 8	8
29	Mt. Carmel Church Rd (Orange County Line to Old Farrington Point Road) - bicycle lanes	Division 8	8
30	Pedestrian connections to Cameron Park Elementary School from Cameron Street and St. Mary's Road.	Division 7	7
31	Trail Connection from Patriots Pointe to Timbers Drive	Division 7	7
32	Trail Connection from English Hill Lane to Buttonwood Drive	Division 7	7
n/a	Mt. Carmel Church Rd (US 15-501 to Chatham County Line) - bicycle lanes	Division 7	7
n/a	Mt. Carmel Church Rd (US 15-501 to Bennett Rd) - sidewalks	Division 7	7

# DCHC MPO Bicycle/Pedestrian Projects - Prioritization 3.0



Public Transit Projects Submitted for Prioritization 3.0						
SPOT ID	Project Name	Project Description	Submitting Agency	Primary MPO/RPO	Primary NCDOT Division	Project Category
T130062	Durham Cty FY16 Northgate Shelter	This is for a Type 3-Sheltered Stop. As listed in cost estimates provided by the NCDOT, this stop will provide seating as well as protection from the elements for riders. As of 2013, this shelter would get 72 boardings daily and 193 alightings.	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
T130063	Durham Cty FY18 Expansion Vehcile Route 4	Two expansion buses are needed to increase the frequency for Route 4 and provide 15 minute service to riders along this route. Presently, it is just 30 minute headway. This route serves a major shopping center, Duke Regional Hospital, the Durham Center for Senior Life, connects to park and rides, and also train service.	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
T130001	Durham FY16 VillageBusShelter	This is for a Neighborhood Transit Center (NTC) located in The Village to work in conjunction with routes 2b, 3, 16a, and 16b.	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
T130002	Durham FY19 NorthDurhamBusShelter	This is for a Neighborhood Transit Center (NTC) in Northern Durham to work in conjunction with routes 4 and 9, serving Durham, Duke, the hospitals, and providing connections to Durham Station and Amtrak.	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
T130024	TTA Durham & Orange Co. FY 2016 Expansion Vehicle RT: Mebane, Hillsborough, Durham	2 expansion buses are needed for a new route to serve Mebane, Hillsborough, & Durham. Presently, areas of Orange County are underserved by public transit and these expansion buses would provide a link between cities in Orange County and Durham County to help remedy that. This route is due to a partnership between Triangle Transit, the City of Durham, and Orange County. If implemented in 2016, ridership is projected to be over 30,000 per day by 2020.	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
T130025	TTA Orange - Durham - Wake - CRX Expansion FY 2016	2 expansion buses are needed for additional service on the route that travels between Chapel Hill & Raleigh. This midday service was adopted in the Orange County Transit Plan and is expected to be implemented in 2016, adding an average yearly 753 revenue hours to our system total.	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
T130026	TTA Durham Co. Vehicle Expansion RT: Hospital-Rougemont FY 2016	2 buses are needed to provide service for a new route between downtown Durham, the hospitals, and the northern Durham area of Rougemont.	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
T130027	TTA Durham Co. South Durham Neighborhood Transit Center FY 2017	This is for a Neighborhood Transit Center (NTC) in Southern Durham to work in conjunction with the Southpoint Park and Ride.	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
T130028	TTA Durham-Wake Co. DRX Expansion FY 2017	2 expansion buses are needed to increase peak frequency between Durham and Raleigh. The added buses will be used to implement 15 minute frequency between these two key Triangle cities.	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
T130030	TTA Durham Co - Patterson Place Neighborhood Transit Center FY 2017	This is for a Neighborhood Transit Center (NTC) in Southwest Durham to work in conjunction with the Patterson Place Park and Ride.	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
T130033	TTA Durham Co - Westgate at Target Shelter FY 2017	This is for a Type 3-Sheltered Stop. As listed in cost estimates provided by the NCDOT, this stop will provide seating as well as protection from the elements for riders. As of 2013, this shelter would get 30 boardings daily.	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
T130034	TTA Wake & Durham Co. - RTP Expansion Vehicles RT: 700 FY 2018	3 expansion buses are needed to increase the frequency of Route 700 between Durham & RTP to 15 minute frequency during morning & afternoon peak hours. This route also serves Durham Technical Community College and serves as one the major transit links between Durham and RTP.	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional

Public Transit Projects Submitted for Prioritization 3.0						
SPOT ID	Project Name	Project Description	Submitting Agency	Primary MPO/RPO	Primary NCDOT Division	Project Category
T130038	Chapel Hill FY16 Route F Vehicle Expansion	This project will add additional peak hour service for 1 year on route F (Colony Woods, Frnaklin St. and McDougale School) in response to ridership growth, resulting in headway reduction . This route provides 240,627 rides a year.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130037	Chapel Hill FY16 UNC campus Bus Shelter	Install new bus shelter at Bus stop 3233 on Manning Dr that serves routes A,CCX,CM,N AND RU.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130039	Chapel Hill FY16 RouteCWExpansionVehicle	This project will add additional peak hour service on buses to the existing CW route (Carrboro, Jones Ferry Park and Ride and Weaver St) in response to ridership growth, resulting in headway reduction.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130040	Chapel Hill FY16 Route J Vehicle Expansion	This project will add additional peak hour service on the J Chapel Hill Transit Route (Carrboro, downtown Chapel Hill, Jones Ferry Rd in response to ridership growth, resulting in headway reduction.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130041	Chapel Hill FY17 CL&D RouteVeh1Expansion	Expand CL&D route and service hours and extend service from Chapel Hill to connect with DATA and Triangle Transit at New Hope Commons	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130042	Chapel Hill FY17 CL&D RouteVeh2Expansion	Expand CL&D route and service hours and extend service from Chapel Hill to connect with DATA and Triangle Transit at New Hope Commons	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130043	Chapel Hill FY17 CL&DRouteVeh3Expansion	Expand CL&D route and service hours and extend service from Chapel Hill to connect with DATA and Triangle Transit at New Hope Commons	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130044	Chapel Hill FY17 CL&Route Veh4Expansion	Expand CL&D route and service hours and extend service from Chapel Hill to connect with DATA and Triangle Transit at New Hope Commons	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130045	Chapel Hill FY18 54 Corridor Vehicle1Expansion	Extend local bus service from Friday center to serve demand in 54 corridor to I-40 or beyond.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130046	Chapel Hill FY18 54 CorridorVehicle2Expansion	Extend local bus service from Friday center to serve demand in 54 corridor to I-40 or beyond.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130047	Chapel Hill FY18 54 CorridorVeh3Expansion	Extend local bus service from Friday center to serve demand in 54 corridor to I-40 or beyond.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130048	Chapel Hill FY18 54 CorridorVeh4Expansion	Extend local bus service from Friday center to serve demand in 54 corridor to I-40 or beyond.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130003	Chapel Hill , NC	Add additional peak hour buses on existing Chapel Hill Transit routes in response to ridership growth.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130004	Chapel Hill FY19 CW Route Expansion Vehicle	This project will add additional peak hour service on buses to the existing CW route (Carrboro, Jones Ferry Park and Ride and Weaver ST) in response to ridership growth, resulting in headwy reduction.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130005	Chapel Hill FY19 G Route Expansion Vehicle	This project will add additional service on the G Chapel Hill Transit route which serves Booker Creek, University Mall and UNC Hospitlas	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130006	Chapel Hill FY19 J Route Expansion Vehicle	This project will add additional peak hour service on the J Chapel Hill Transit Route (Carrboro, downtown Chapel Hill, Jones Ferry Rd in response to ridership growth, resulting in headway reduction.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130007	Chapel Hill FY19 Pitts EXP Expansion Vehicle	Increase frequency of the existing Pittsboro express route to 30 minutes during the peak commute.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division

Public Transit Projects Submitted for Prioritization 3.0						
SPOT ID	Project Name	Project Description	Submitting Agency	Primary MPO/RPO	Primary NCDOT Division	Project Category
T130008	Chapel Hill FY19 UNC Hosp. Manning Dr. Bus Shelter	Install new block length bus shelter at Manning Drive / UNC Hospital	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130009	Chapel Hill FY20 MLK Corridor Veh1Expansion	Additional bus service will be introduced along the Martin Luther King Jr. - South Columbia – 15/501 corridor. Improvements will include headway reduction and amenity improvements along the corridor. Transportation projections for significantly increased travel demand identified in the Metropolitan Transportation Plan (MTP) 2040 require a substantial increase in capacity in the Martin Luther King Jr. Boulevard corridor.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130011	Chapel Hill FY20 MLK CorridorVeh3Expansion	Additional bus service will be introduced along the Martin Luther King Jr. - South Columbia – 15/501 corridor. Improvements will include headway reduction and amenity improvements along the corridor. Transportation projections for significantly increased travel demand identified in the Metropolitan Transportation Plan (MTP) 2040 require a substantial increase in capacity in the Martin Luther King Jr. Boulevard corridor.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130012	Chapel Hill FY20 MLK CorridorVeh4Expansion	Additional bus service will be introduced along the Martin Luther King Jr. - South Columbia – 15/501 corridor. Improvements will include headway reduction and amenity improvements along the corridor. Transportation projections for significantly increased travel demand identified in the Metropolitan Transportation Plan (MTP) 2040 require a substantial increase in capacity in the Martin Luther King Jr. Boulevard corridor.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130013	Hillsborough FY16 CirculatorHeadwayVehicleExpansion	Request for 18+ passenger light transit vehicle (LTV) for continuation and increased frequency of fixed-route service throughout Hillsborough.	Orange County	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130014	Hillsborough FY17 CirculatorVehicleExpansion	Request 18+ passenger light transit vehicle (LTV) for service expansion of fixed-route service throughout Town of Hillsborough.	Orange County	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130015	Hillsborough FY16 MebaneVehicleExpansion	Request one, 25-foot, 18+ passenger light transit vehicle (LTV) for new fixed-route service from Mebane to Efland to Hillsborough.	Orange County	Durham Chapel Hill Carrboro MPO	Division 7	Division
T130032	TTA Orange Co. - South Rd at Coker Shelter FY 2017	This is for a Type 3-Sheltered Stop. As listed in cost estimates provided by the NCDOT, this stop will provide seating as well as protection from the elements for riders. As of 2013, this shelter would get 46 boardings daily.	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 7	Regional
T130035	TTA Durham - Orange Co Light Rail FY 2016	Light rail system from UNC Hospital in Chapel Hill to Alston Avenue in downtown Durham.	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 7	Regional
T130010	Chapel Hill FY20 MLK CorridorVeh2Expansion	Additional bus service will be introduced along the Martin Luther King Jr. - South Columbia – 15/501 corridor. Improvements will include headway reduction and amenity improvements along the corridor. Transportation projections for significantly increased travel demand identified in the Metropolitan Transportation Plan (MTP) 2040 require a substantial increase in capacity in the Martin Luther King Jr. Boulevard corridor.	Chapel Hill Transit	Durham Chapel Hill Carrboro MPO	Division 7	Regional
	Duke Hospital Enhanced Shelter	Enhanced Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division

Public Transit Projects Submitted for Prioritization 3.0						
SPOT ID	Project Name	Project Description	Submitting Agency	Primary MPO/RPO	Primary NCDOT Division	Project Category
	South Square Enhanced Shelter	Enhanced Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	Patterson Place Enhanced Shelter	Enhanced Bus Shelter	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
	Northern Durham Enhanced Shelter	Enhanced Bus Shelter	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
	Rougemont Park and Ride	Park and Ride	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
	Southpoint Enhanced Shelter	Enhanced Bus Shelter	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
	E MAIN ST AT QUEEN ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	CHAPEL HILL ST AT UNDERWOOD	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	DEARBORN DR AT OLD OXFORD RD	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	TRENT DR AT ERWIN RD	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	MORREENE RD AT GLASSON ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	FAYETTEVILLE RD AT CROOKED C	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	HOLLOWAY ST AT CHESTER ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	E MAIN ST AT ROXBORO ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	LIBERTY ST AT QUEEN ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	E MAIN ST AT QUEEN ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	MORREENE RD AT ERWIN RD	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	E MAIN ST AT MANGUM ST OUTBO	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	HOLLOWAY ST AT ALMA ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	LAKEWOOD AVE AT HERITAGE SQU	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	LAWSON ST AT WABASH ST WESTB	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	E MAIN ST AT CORCORAN ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	MAIN ST AT IREDELL ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	LAWSON ST AT RIDGEWAY AVE WB	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	ANGIER AVE AT DRIVER ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	FLOWERS DR AT DUKE GARDEN	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	MAIN ST AT HOOD ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	RIGSBEE AVE AT SEMINARY ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	FAYETTEVILLE ST AT OLD FAYET	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	ROXBORO RD AT NEWSOM ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	TOM WILKINSON RD AT NORTHERN	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	SERVICE RD AT DAVIDSON AVE	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	MORREENE RD AT AMERICAN DR	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	ROXBORO RD AT OLD OXFORD RD	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	PETTIGREW ST AT MANGUM ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	NC 54 AT GARRETT RD	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	ERWIN RD AT DOWNING ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	FAYETTEVILLE ST AT BURLINGTO	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	ERWIN RD AT RESEARCH DR	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	MOREHEAD AVE AT CORNELL ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	ROXBORO ST AT LIBERTY ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	LEON ST AT BUCHANAN BLVD	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	FAYETTEVILLE ST AT HOMELAND	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	CHAPEL HILL RD AT COLONIAL A	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	FAYETTEVILLE ST AT PEKOE ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	ROXBORO ST AT CHARLES ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	HARDEE ST AT LANDON ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	HOLLOWAY ST AT ALSTON AVE	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	CORNWALLIS RD AT WEAVER ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	E MAIN ST AT CORCORAN ST OUT	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division

Public Transit Projects Submitted for Prioritization 3.0						
SPOT ID	Project Name	Project Description	Submitting Agency	Primary MPO/RPO	Primary NCDOT Division	Project Category
	FAYETTEVILLE ST AT E PIEDMON	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	MCFARLAND DR AT WITHERSPOON	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	LIBERTY ST AT ELIZABETH ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	MORRENE RD AT SHERWOOD DR	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	LAWSON ST AT BACON ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	FAYETTEVILLE ST AT CECIL ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	MLK PKWY AT BAY CAMP DR	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	ROXBORO RD AT DAVIDSON AVE	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	NC 54 AT S ALSTON AVE - EOL	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	UNIVERSITY DR AT KINDER CARE	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	ROXBORO ST AT CORNWALLIS RD	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	HOLLOWAY ST AT ELIZABETH ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	ROXBORO RD AT HIGBEE ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	DOWD ST AT ALSTON ST	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	MOREHEAD AVE AT MORELAND AVE	Bus Shelter	Durham Area Transit	Durham Chapel Hill Carrboro MPO	Division 5	Division
	NC 54 at Falconbridge 1613	Bus Shelter	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional
	NC 54 at Falconbridge 1144	Bus Shelter	Triangle Transit	Durham Chapel Hill Carrboro MPO	Division 5	Regional

Rail SPOT ID	STI Tier	Specific Improvement Type	Railroad	Project Description	MPO/RPO	NCDOT Division	Estimated Total Project Cost	Estimated NCDOT Cost
R140007	Statewide Mobility	Construct Track and/or Structure Improvements (Freight Service)	Norfolk Southern D line	Upgrade of the Oxford - Durham line in order to serve Certainteed with unit trains and the 6-axle locomotives such trains require. Current traffic is supported on a local basis with 4-axle locomotives.	Durham Chapel Hill Carrboro MPO/Kerr Tar RPO	5	\$7,000,000	\$3,500,000
R140012	Statewide Mobility	Construct Track and/or Structure Improvements (Freight Service)	Norfolk Southern H line	Grade separation at Blackwell St crossing in Durham	Durham Chapel Hill Carrboro MPO	5	TBD	TBD
R140013	Statewide Mobility	Construct Track and/or Structure Improvements (Freight Service)	Norfolk Southern H line	Grade separation at Mangum St crossing in Durham	Durham Chapel Hill Carrboro MPO	5	TBD	TBD
R140014	Statewide Mobility	Construct Track and/or Structure Improvements (Freight Service)	Norfolk Southern H line	Grade separation at Ellis Road - north end crossing in Durham	Durham Chapel Hill Carrboro MPO	5	\$14,000,000	TBD
R140029	Division Needs	Construct Facility and/or Station Improvements (Passenger Service)	NCRR/Norfolk Southern H line	Durham Station- Provide parking to accommodate ridership increases including, but not limited to, structures.	Durham Chapel Hill Carrboro MPO	5	\$500,000	\$500,000
R141797	Statewide Mobility	Construct Track and/or Structure Improvements (Freight Service)	NCRR/Norfolk Southern H line	Extension of East Durham Siding	Durham Chapel Hill Carrboro MPO	5	\$41,000,000	
R141798	Regional Impact	Construct Track and/or Structure Improvements (Passenger Service)	NCRR/Norfolk Southern H line	Double track Alexander Drive to Clegg	Durham Chapel Hill Carrboro MPO	5	\$30,000,000	
R141799	Regional Impact	Construct Track and/or Structure Improvements (Passenger Service)	NCRR/Norfolk Southern H line	Double track Funston to Durham	Durham Chapel Hill Carrboro MPO	5	\$53,000,000	
R141801	Statewide Mobility	Construct Track and/or Structure Improvements (Freight Service)	NCRR/Norfolk Southern H line	Buckhorn grade separation and curve realignment	Durham Chapel Hill Carrboro MPO	7	\$8,000,000	
R141802	Division Needs	Construct Facility and/or Station Improvements (Passenger Service)	NCRR/Norfolk Southern H line	Hillsborough Station (new stop)	Durham Chapel Hill Carrboro MPO	7	\$4,000,000	

**DURHAM-CHAPEL HILL-CARRBORO MPO  
METHODOLOGY FOR RANKING  
TRANSPORTATION IMPROVEMENT PROGRAM  
PROJECT REQUESTS (FY 2016-2022)**

## **INTRODUCTION**

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

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

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

The DCHC MPO's Methodology for Ranking TIP Project Requests is the process that the MPO will follow to develop the MPO's allocation of ranking points among projects for input to the STI process. The Methodology will also inform the MPO's development of the Transportation Improvement Program. The Methodology is designed to address the federal requirement that the TIP be consistent with the projects and investment priorities of the MTP while being compatible with the State's STI process.

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

## **OBJECTIVE**

The Methodology outlined below is designed to address multi-modal transportation needs, ensure regional balance, and prioritize projects that are needed based on technical criteria. The goal is to produce a project priority ranking which satisfies MPO goals, is simple enough for project-level analysis without requiring unnecessary data collection, and is understandable by the general public.

The DCHC MPO's Technical Coordinating Committee (TCC) will use the Methodology to develop a draft allocation of ranking points. This draft allocation of ranking points is to be used as a guide by the Transportation Advisory Committee (TAC) for the approval of the final allocation of ranking points. If the TAC varies from the recommended allocation of points, documentation and reasoning must be provided. Reasons why the TAC may vary from the recommended points include achieving jurisdictional and geographical balance, reflecting the TAC members' knowledge of the urban area and the policies of their communities, addressing public comments, ensuring coordination with NCDOT's Division Engineers, and maximizing the MPO's opportunities for receiving funding. While the Methodology attempts to comprehensively address the MPO's transportation needs, there will always be factors that are not easily measured that should be considerations in the development of the MPO's project priorities. The TCC will make its technical recommendation of the allocation of ranking points based on the methodology described in this document, and the TAC will then be afforded the opportunity to make changes with appropriate documentation.

## **PROCEDURE FOR RANKING PROJECTS**

### **1) Goals for the Methodology for Ranking TIP Project Requests**

Since the Project Priority Ranking should be a subset of the DCHC MPO MTP, the goals for the Methodology are the same as the DCHC MPO goals and objectives in the 2040 MTP.

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

### **2) Submission of Local Priority Lists to the MPO**

All MPO member jurisdictions and Triangle Transit will submit a local priority list to the MPO. The DCHC MPO requests that the local jurisdictions apply screening criteria during the development of these lists. The screening criteria are:

- a) Regional Goals - How well does the project meet the adopted regional goals? Is the project an element of the current MTP? Does it implement community objectives? For the intrastate

system, does it meet NCDOT mobility objectives? Does the project have a broad base of local support?

- b) Cost Effectiveness - How much benefit does the project offer compared to the estimated cost?
- c) Timing – Is the project needed within the TIP funding cycle? Is timing a critical element for the project (one-time opportunity)? Will the opportunity to do the project be lost if it is not in the current priority cycle?

Local jurisdictions may also elect to use a ranking methodology to create their local priority lists but are not required to do so. The TCC will review local priority lists for adherence to these screening criteria before recommending the submission of these projects.

Local jurisdictions shall provide the DCHC MPO a list of projects. The list should be grouped by mode (highway, public transit, rail, and bicycle and pedestrian). The local jurisdictions shall provide a short description of the project, including the project limits, name, mileage, and cost. The description should note any essential elements of the project such as bike lanes, sidewalks, transit accommodations, vehicle types, etc.

### 3) **Submission of Projects to the STI Process**

For the 2016-2022 TIP, the DCHC MPO will submit projects to NCDOT's Strategic Planning Office of Transportation by March 3, 2014, for the application of the NCDOT's quantitative ranking methodology. The MPO is limited to fourteen new highway projects, but can submit an additional project for each existing project removed from the system. The MPO is limited to twenty bicycle and pedestrian projects, five rail projects, and an unlimited number of public transit projects. Previously submitted highway projects do not need to be re-submitted. Public transit operators can submit an unlimited number of projects directly to NCDOT. The NCDOT Rail Division can submit an unlimited number of projects to the process. And NCDOT Division Engineers can also submit projects.

DCHC MPO will combine the local priority lists into a list that the MPO will submit to NCDOT. In the event that more highway projects are submitted to the MPO than the MPO is allowed submit to NCDOT, the TCC will select projects based on the screening criteria, the air quality horizon year in the MTP, regional significance, geographic distribution, and local priority. The MPO will also consider requesting that the Division Engineers submit any additional highway projects in the 2040 MTP that are not in the MPO's submittal.

Since the MPO is limited to only 20 bicycle and pedestrian projects and an initial review of candidate projects revealed more than 70 potential projects, the MPO requests that the Town of Chapel Hill, Town of Carrboro, Town of Hillsborough, Orange County, and Chatham County submit four projects each, and the City of Durham and Durham County submit eight projects each. Of the potential 36 project submissions, the TCC will apply a **preliminary ranking** based on the following criteria:

- Safety
  - 20% crash data from 2008-2012 – 4 points per crash; maximum of 20 points
  - 20% posted speed limit – 40-50 mph = 20 points; 30-39 mph = 10 points; 25 mph = 5 points
- Access to destinations

- 10% number of destinations – 1 point per major destination; maximum of 7 points; ½ point for secondary destinations; maximum of 3 points
- Demand/Density
  - 10% Traffic Analysis Zone population density;
  - 10% Traffic Analysis Zone employment density
- Constructability
  - 10% Right-of-Way availability
  - 10% Design status
- Schools
  - 10% if the project is within 2 miles of a K-8 school.

Projects that the MPO cannot submit will be requested to be submitted by the NCDOT Division Engineers.

Any public transit or rail project submitted by a member government or transit operator will be considered for submission by the MPO. Projects will be screened to make sure they are consistent with the 2040 MTP and other adopted transit and rail plans.

#### **4) Application of the MPO Ranking Methodology and Allocation of Ranking Points**

Upon submission by the MPO and NCDOT Division Engineers, projects within the MPO will be scored according to NCDOT's quantitative ranking methodology. The DCHC MPO will receive these scores and project data used to develop the scores. DCHC MPO staff in coordination with local staff will use the project data and collect additional data to apply the MPO methodology. The Project Priority Ranking will then be presented to the TCC. The TCC first examines the consistency in which local jurisdictions and MPO staff have responded to the screening criteria and applied the Methodology. If the Methodology is not applied consistently, the TCC can agree to change some responses for consistency among all projects.

There are separate ranking methodologies based on the primary mode of transportation and project type: 1) highway; 2) bicycle and pedestrian; 3) transit-expansion; 4) transit-facilities; 5) transit-fixed guideway; 6) rail-track and structure (passenger); 7) rail-track and structure (freight); 8) rail-facilities (passenger). Furthermore, there are variations within each of these methodologies for the STI funding category (Regional or Division). There are no ferry routes or eligible airports within the DCHC MPO. Similar to the NCDOT quantitative methodology, the ranking methodologies are independent of each other and the points for different modes are not directly comparable.

In total, there are 14 different MPO methodologies for the various modes, project types, and categories.

		Category			
		Statewide	Regional	Division	
Mode/Project Type	Highway	No MPO Methodology. The MPO does not submit ranking points to projects in the Statewide category.	Yes	Yes	
	Bicycle/Pedestrian		No. The STI legislation does not allow any bike/ped to be considered for Regional funding.	Yes	
	Transit-Expansion		Yes	Yes	
	Transit-Facilities		Yes	Yes	
	Transit-Fixed Guideway		Yes	Yes	
	Rail-Track and Structure		Passenger	Yes	Yes
			Freight	Yes	Yes
	Rail-Facilities		Passenger	No. The DCHC MPO does not have any qualifying projects.	Yes
	Freight	No. The DCHC MPO does not have any qualifying projects.			

If a Statewide project cascades down to the Regional category, it will be scored according to the Regional methodology. If a Statewide or Regional project cascades down to the Division category, only projects that are requesting less than \$5 million of funding that is subject to the STI legislation will be scored according to the Division methodology. This limitation is due to the very limited amount of funding available in the Division category that is not STPDA or TAP (funding that is directly allocated to certain MPOs and that is not subject to the Prioritization process but is subject to the STI legislation), and the number of projects that only qualify in the Division category (all bicycle/pedestrian, DATA, and Chapel Hill Transit projects).

The result of the application of the ranking methodology will be up to 14 lists of projects in priority order by mode /project type/category. The next step is to assign the MPO's ranking points to specific projects. The MPO has 1,800 points to allocate among Regional projects and 1,800 points to allocate among Division projects.

The Methodology does not prescribe how points will be assigned within the Regional and Division categories among mode /project type/categories. Rather, the decision on how points will be assigned will be informed by the following factors:

- The priorities of the 2040 MTP including the adopted distribution of funding between modes and the air quality horizon year of projects;
- The number of eligible projects within the MPO within each funding mode /project type/category;
- The likelihood of receiving funding through STI considering the amount of funding available within each Division or Region, historical funding levels for the mode, and the normalization limitations that NCDOT has adopted;
- Coordination with the Division Engineers on the assignment of points;
- Public input and support as evidenced through public comments submitted to the MPO, the MPO's public hearing, public involvement efforts of local governments, and local referenda;

- The effect that receiving funding for a project may have on the likelihood of other projects being funded in the Division or Region considering the limitations set by the STI legislation.
- Geographic equity; and
- Other factors as identified by the TCC and TAC.

Assigning points within the mode /project type/category should follow the order as determined by the Methodology. Any variations from this order must be justified and clearly documented.

Using the above considerations, the MPO staff will propose an assignment of points to the TCC. MPO staff will document the reasoning used to justify the proposed assignment of points. The TCC will make a recommendation on the assignment of points and present it to the TAC. Again the reasoning used to develop the recommended assignment of points will be clearly documented.

#### **5) Approval of Ranking Points**

The TAC will release the draft Project Priority Ranking and application of ranking points for public comment and hold a public hearing at a TAC meeting. After review and public comment, the TAC will approve the final application of ranking points. If the TAC varies from the recommended allocation of points, documentation and reasoning must be provided. Reasons why the TAC may vary from the recommended points include achieving jurisdictional and geographical balance, reflecting the TAC members' knowledge of the urban area and the policies of their communities, addressing public comments, ensuring coordination with NCDOT's Division Engineers, and maximizing the MPO's opportunities for receiving funding. Again the reasoning used to develop the recommended assignment of points will be clearly documented. MPO staff will submit these points to NCDOT for use in the STI process.

## SCHEDULE FOR FY 2016-2022 TIP STRATEGIC TRANSPORTATION INVESTMENTS PROCESS

### Steps for submission of projects:

October 23, 2013:	Deadline to modify an existing highway project
November 29, 2013:	Transit project submission deadline for Prioritization 3.0 for transit operators.
January 8, 2014:	DCHC MPO TAC votes on highway and bicycle/pedestrian projects to submit for Prioritization 3.0.
February 12, 2014:	DCHC MPO TAC votes on rail projects to submit for Prioritization 3.0 and considers any modifications needed for highway, bicycle/pedestrian, and transit projects.
March 3, 2014:	Highway, rail, bicycle/pedestrian, transit submission deadline for Prioritization 3.0.

### Steps for developing local input points:

January –April 2014:	MPO develops and approves a local ranking methodology
February 26, 2014	TCC forwards draft local ranking methodology for TAC review
March 12, 2013	TAC reviews draft local ranking methodology
March 26, 2014	TCC makes recommendation on final local ranking methodology
April 9, 2014	TAC approves final local ranking methodology
April 30, 2014	NCDOT releases quantitative scores
May 1, 2014	NCDOT deadline for approval of local ranking methodology
May 1-May 13, 2014	LPA applies local ranking methodology
May 14, 2014	TAC releases proposed public input points for public comment
June 11, 2014	TAC holds public hearing on public input points <b>*evening meeting*</b>
June 18, 2014	TCC makes recommendation on local input points
June 25, 2014	TAC approves local input points
July 31, 2014	MPO submits local input points

### Public notice

Public notice will be conducted in accordance with the DCHC MPO's Public Involvement Policy. All relevant materials, documentation of this process, and TCC and TAC meeting materials and minutes will be posted on the DCHC MPO's website [www.dchcmpo.org](http://www.dchcmpo.org). All TCC and TAC meetings are public meetings and include the opportunity for public comment.

# Highway

NCDOT SPOT Prioritization 3.0					Proposed DCHC MPO Project Ranking Methodology				Green font = SPOT data used fully or partially
Criteria	Metric	% of Score - Statewide Category	% of Score - Regional Category	% of Score - Division Category	Criteria	Metric	% of Score - Regional Category	% of Score - Division Category	Reasoning
Congestion	$((\text{exist. V/C ratio} \times 100) \times 60\%) + ((\text{exist vol.}/1,000) \times 40\%)$	30%	25%	20%	Congestion	Use SPOT scoring	30%	30%	Prioritize projects that relieve congestion and are on higher volume roads
Safety	Segment: (Crash Density x 33%) + (Severity Index x 33%) + (Critical Crash Rate x 33%); Intersections: (Crash Frequency x 50%) + (Severity Index x 50%)	10%	10%	10%	Safety	Use SPOT scoring	20%	20%	Prioritize projects with higher more severe crashes
Benefit/Cost	Travel time savings over 30 years in \$/Project Cost to NCDOT	30%	25%	20%	Benefit/Cost	$((\text{Travel time savings over 30 years in } \$/\text{total of all public funding}) \times 25\%) + ((\text{Average of congestion, safety, and complete street scores}^*/\text{total of all public funding}) \times 75\%)$	25%	20%	Modify NCDOT's method to reflect a broader consideration of project benefits. Use total of all public money (local, state, and federal). *the congestion, safety, and complete street scores will be multiplied by a factor to ensure that they are on a scale comparable to the travel time savings score.
Economic Competitiveness	Primary inputs are Travel Time Savings, Location, and Freight Traffic; Output is # of long-term jobs created (50%) + Value added in \$ (50%) based on % change in NCDOT Div. Economy	10%			Do not include				Subcommittee considered including this, but could not develop a metric that would reflect transportation projects' role to support our current and desired economic development.
Multi-modal (Freight & Military)	25% - V/C Ratio on projects on Non-Interstate STRAHNET Routes; 25% - V/C Ratio on projects on routes that provide direct connection to a transportation terminal; 50% - Truck Volumes / 100	20%			Do not include				Most freight traffic is on interstates which are on the statewide tier
Accessibility/Connectivity	20% County tier designation and volume; 40% if the project upgrades how the roadway functions, volume/200; 40% (average commute time-20)*5			10%	Do not include				All DCHC MPO counties are Tier 3; Bigger roads are not always the appropriate solution; Prioritizing projects in areas with higher average commute time may reward sprawl
not included					Complete Street	25% project adds pedestrian facility; 25% project adds bicycle facility; 25% variable based on number of buses per day on facility; 25% project serves future rail station	10%	20%	Direct resources towards implementing NCDOT's Complete Streets policy and providing access to future rail stations.
not included					Environmental and Community Impacts	Air quality impacts and GIS analysis of wetlands, streams, species habitat, water supply watershed, parks, historic resources, and cemeteries. Fewer potential impacts yields more points	15%	10%	The scoring methodology presumes all highway projects have negative environmental impacts. Environmental justice is not included as it is difficult to analyze the impacts at this stage of development (could be positive and/or negative).

MPO Rank	-	15%	25%
Division Rank	-	15%	25%
Total	100%	100%	100%

100%	100%
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BikePed

NCDOT SPOT Prioritization 3.0					Proposed DCHC MPO Project Ranking Methodology			Green font = SPOT data used fully or partially		
Criteria	Metric	% of Score - Statewide Category	% of Score - Regional Category	% of Score - Division category	Criteria	Metric	% of Score - Division category	Reasoning		
Benefit/Cost	(Access + Demand Scores)/Cost	Per STI legislation, no Bike/Ped is categorized as Statewide.	Per STI legislation, no Bike/Ped is categorized as Regional	10%	Benefit/Cost	(Access+Safety+Demand/Density+Speed Limit+Environmental Justice Scores)/Total of all public funding	10%	Include all project benefit scores. Include all costs, including any costs incurred by local government, as it is all public money.		
Constructability	Amount of right-of-way acquired, preliminary work completed, environmental impact			5%	not included				Do not include. Most projects will be similar: most R/W acquired, no design completed, CE expected	
Access	Number of major centers and secondary centers within 0.5 miles of ped, 1.5 miles of bike + Distance to Prime Destination			10%	Access	Number of major centers (add schools and future rail transit stations) and secondary centers within 0.5 miles of ped, 1.5 miles of bike + Distance to Prime Destination	20%	Prioritize projects near more destinations/generators. MPO method classifies schools as primary centers instead of secondary centers. Future transit stations are also not included as centers.		
Safety	Number of Bike/Ped crashes + Posted speed limit			15%	Safety	Number of Bike/Ped crashes	30%	Prioritize projects with more crashes		
Demand/Density	Population density within 0.5 miles of ped facility or 1.5 miles of bicycle facility			10%	Demand/Density	Population density within 0.5 miles of ped facility or 1.5 miles of bicycle facility	20%	Prioritize projects in more dense areas.		
not included					Speed Limit	100 points for routes > 35 mph; 50 points for routes 25-35 mph; 0 points <25 mph	10%	Fatality rates are highest for crashes over 35 mph.		
not included					Environmental Justice	GIS analysis of benefit to minority and low-income population	10%	Prioritize projects in EJ communities.		

Divison Rank 25%  
 MPO Rank 25%  
 Total 100% 100%

Transit - Expansion

NCDOT SPOT Prioritization 3.0					Proposed DCHC MPO Project Ranking Methodology				Green font = SPOT data used fully or partially
Criteria	Metric	% of Score - Statewide Category	% of Score - Regional Category	% of Score - Division Category	Criteria	Metric	% of Score - Regional Category	% of Score - Division Category	Reasoning
Benefit/Cost	Ann. Avg. trips per vehicle x life expectancy/state match amt (Demand Response); Ridership for life of vehicle/state match amt (Fixed Route); Route ridership on the existing route for the life of the vehicle/the state match amt (Headway Reduction)	Per STI legislation, no public transit is categorized as Statewide.	45%	25%	Benefit/Cost	Ann. Avg. trips per vehicle x life expectancy/state match amt (Demand Response); Ridership for life of vehicle/state match amt (Fixed Route); Route ridership on the existing route for the life of the vehicle/the state match amt (Headway Reduction)	32%	25%	Include all SPOT metrics to make the composite SPOT quantitative score equal to half of the MPO score. Want consistency between the MPO score and SPOT quantitative score.
Vehicle Utilization Data	Max vehicles utilized during peak hr/total fleet size (DR); # vehicles operated at max service/# vehicles available at max service (FR)		5%	5%	Vehicle Utilization Data	Max vehicles utilized during peak hr/total fleet size (DR); # vehicles operated at max service/# vehicles available at max service (FR)	4%	5%	
System Safety	(National average reportable incidents/PMT – System reported incidents/PMT) + (National average reportable injuries/PMT – System reported injuries/PMT) + (National average reportable fatalities/PMT – System reported fatalities/PMT) = Safety Result.		5%	5%	System Safety	(National average reportable incidents/PMT – System reported incidents/PMT) + (National average reportable injuries/PMT – System reported injuries/PMT) + (National average reportable fatalities/PMT – System reported fatalities/PMT) = Safety Result.	4%	5%	
Connectivity	Projected increase in ridership weighted according to the types of destinations the expansion of service will serve. (20% per destination: medical, employment, commercial, education, and other transportation terminal/transfer): (Ridership Increase x Facility Destination) / System Ridership = Weighted % Increase in Ridership		5%	5%	Connectivity	Projected increase in ridership weighted according to the types of destinations the expansion of service will serve. (20% per destination: medical, employment, commercial, education, and other transportation terminal/transfer): (Ridership Increase x Facility Destination) / System Ridership = Weighted % Increase in Ridership	4%	5%	
System Operational Efficiency	Annual ridership / total hours. Demand Response = Trips / Service Hours Fixed Route = Trips / Revenue Hours		10%	10%	System Operational Efficiency	Annual ridership / total hours. Demand Response = Trips / Service Hours Fixed Route = Trips / Revenue Hours	7%	10%	
not included					Fleet Age	Variable points based on average fleet age.	10%	10%	Older fleets will benefit from new expansion vehicles.
not included					Transit Dependency Index Percentage	TDIP includes: no vehicle households, elderly population, youth population, persons with disabilities population, below-poverty population.	10%	10%	Direct transit resources towards transit dependent population areas.
not included					Local System Priority	Allow each transit agency to prioritize their projects and identify which projects they expect to be able to provide federal funding towards.	30%	30%	Almost all projects require significant federal funding which is directly allocated to the transit agencies through the MPO. Transit systems will decide how to allocate the federal funding among their priorities. Want consistency between the MPO score and the local priority.

Division Rank	15%	25%
MPO Rank	15%	25%
Total	100%	100%

Transit - Facilities

NCDOT SPOT Prioritization 3.0					Proposed DCHC MPO Project Ranking Methodology				Green font = SPOT data used fully or partially
Criteria	Metric	% of Score - Statewide Category	% of Score - Regional Category	% of Score - Division Category	Criteria	Metric	% of Score - Regional Category	% of Score - Division Category	Reasoning
Age of Facility, Facility Demand, Park-n-Ride, Bus Shelters	Facility Age/Useful life (Age); Peak Service/Capacity (Demand); (Number of Spaces x Utilization) / State Match (P&R); Avg. Boardings + Avg. Alightings (Shelters)	Per STI legislation, no public transit is categorized as Statewide.	40%	30%	Age of Facility, Facility Demand, Park-n-Ride, Bus Shelters	Facility Age/Useful life (Age); Peak Service/Capacity (Demand); (Number of Spaces x Utilization) / State Match (P&R); Avg. Boardings + Avg. Alightings (Shelters)	29%	30%	Include all SPOT metrics to make the composite SPOT quantitative score equal to half of the MPO score. Want consistency between the MPO score and SPOT quantitative score.
Benefit/Cost	Annual Trips/State Match		5%	5%	Benefit/Cost	Annual Trips/State Match	4%	5%	
System Operational Efficiency	Demand Response = Trips / Service Hour Fixed Route = Trips / Revenue Hour		5%	5%	System Operational Efficiency	Demand Response = Trips / Service Hour Fixed Route = Trips / Revenue Hour	4%	5%	
Facility Capacity	Facility (Transit & Admin) = ((proposed capacity – current usage)/existing design capacity) x 33% Park & Ride = ((proposed capacity – current usage)/existing design capacity) x 33%; Shelters = ((proposed capacity – current usage)/existing design capacity) X 33%		20%	10%	Facility Capacity	Facility (Transit & Admin) = ((proposed capacity – current usage)/existing design capacity) x 33% Park & Ride = ((proposed capacity – current usage)/existing design capacity) x 33%; Shelters = ((proposed capacity – current usage)/existing design capacity) X 33%	14%	10%	
not included					Transit Dependency Index Percentage	TDIP includes: no vehicle households, elderly population, youth population, persons with disabilities population, below-poverty population.	10%	10%	Direct transit resources towards transit dependent population areas.
not included					Local System Priority	Allow each transit agency to prioritize their projects and identify which projects they expect to be able to provide federal funding towards.	40%	40%	Almost all projects require significant federal funding which is directly allocated to the transit agencies through the MPO. Transit systems will decide how to allocate the federal funding among their priorities. Want consistency between the MPO score and the local priority.
Division Rank			15%	25%					
MPO Rank			15%	25%					
Total			100%	100%			100%	100%	

Transit - Fixed Guideway

NCDOT SPOT Prioritization 3.0					Proposed DCHC MPO Project Ranking Methodology				Green font = SPOT data used fully or partially
Criteria	Metric	% of Score - Statewide Category	% of Score - Regional Category	% of Score - Division Category	Criteria	Metric	% of Score - Regional Category	% of Score - Division Category	Reasoning
Mobility	1 point for every 250,000 trips	Per STI legislation, no public transit is categorized as Statewide.	20%	15%		not included			DCHC MPO only has one fixed guideway project (D-O LRT) in P 3.0 which is categorized as Regional. May not even need a ranking methodology since there is only one project.
Cost Effectiveness	100 points for a cost of \$4.00 or less per trip; decreasing by 1 point for each \$0.11 increase per trip.		15%	15%		not included			
Economic Development	1 point per 1,000 new employees and 1 point per 500 new residents in the fixed guideway corridor over 20 years.		20%	10%		not included			
Congestion Relief	Travel time savings. 0-100 point scale TBD; Max points = 100 (values over 100 are capped)		15%	10%		not included			
	not included				Public support	Maximum points if a project is included in a county transit plan with a successful sales tax referendum.	100%	100%	
Division Rank			15%	25%					
MPO Rank			15%	25%					
Total			100%	100%			100%	100%	

NCDOT SPOT Prioritization 3.0							Proposed DCHC MPO Project Ranking Methodology						Green font = SPOT data used fully
Criteria	Metric	% of Score - Statewide Category	% of Score - Regional Category		% of Score - Division Category		Criteria	Metric	% of Score - Regional Category		% of Score - Division Category		Reasoning
		Freight Only	Freight	Passenger	Freight	Passenger			Freight	Passenger	Freight	Passenger	
Benefit-Cost	Emissions, highway-to-rail diversion, fuel savings, travel time savings	20%	10%	10%	10%	10%	Benefit-Cost	Emissions, highway-to-rail diversion, fuel savings, travel time savings	15%	15%	15%	15%	Include all SPOT metrics to ensure consistency between SPOT ranking and MPO ranking. The MPO does not have previous experience with ranking rail projects and thus will heavily rely on the SPOT system for P 3.0.
Economic Competiveness	Long-term economic benefits	10%					Not included. No SPOT data will be available for Regional or Division Category projects.						
Capacity/ Congestion	Volume-to-capacity	15%	15%	25%	10%	15%	Capacity/ Congestion	Volume-to-capacity	15%	20%	15%	20%	
Safety	RR/Hwy crossing incidents	15%	15%	15%	10%	10%	Safety	RR/Hwy crossing incidents	15%	15%	15%	15%	
Accessibility	New or enhanced accessibility	10%	10%		5%		Accessibility	New or enhanced accessibility	10%		10%		
Connectivity	Multimodal improvement	10%	5%		5%		Connectivity	Multimodal improvement	10%		10%		
Mobility	Service improvement	20%	15%	20%	10%	15%	Mobility	Service improvement	15%	20%	15%	20%	
not included							TSS Recommendation	Maximum points if the project is in a Traffic Separation Study.	10%	15%	10%	15%	Prioritize projects that have been through a public input process through a TSS.
not included							Potential Benefit to Commuter Rail	Maximum points if the project is co-located along future commuter rail line.	10%	15%	10%	15%	Prioritize projects that may make future commuter rail more viable.
Division Rank			15%	15%	25%	25%							
MPO Rank			15%	15%	25%	25%							
Total			100%	100%	100%	100%			100%	100%	100%	100%	

NCDOT SPOT Prioritization 3.0					Proposed DCHC MPO Project Ranking Methodology				Green font = SPOT data used fully or pa
Criteria	Metric	% of Score - Statewide Category	% of Score - Regional Category	% of Score - Division Category	Criteria	Metric	% of Score - Regional Category	% of Score - Division Category	Reasoning
			Intercity Passenger Service Only	Facilities/ Intercity Passenger Service & Stations			Intercity Passenger Service Only	Facilities/ Intercity Passenger Service & Stations	
Benefit-Cost	Emissions, highway-to-rail diversion, fuel savings, travel time savings	Per STI legislation, no rail facilities are categorized as Statewide	15%	10%	Benefit-Cost	Emissions, highway-to-rail diversion, fuel savings, travel time savings	No DCHC MPO rail facilities projects would be considered Regional	15%	Include all SPOT metrics to ensure consistency between SPOT ranking and MPO ranking. The MPO does not have previous experience with ranking rail projects and thus will heavily rely on the SPOT system for P 3.0.
Economic Competiveness	Long-term economic benefits				Not included.				
Capacity/ Congestion	Volume-to-capacity		25%	15%	Capacity/ Congestion	Volume-to-capacity		25%	
Connectivity	Multimodal improvement		10%	10%	Connectivity	Multimodal improvement		15%	
Mobility	Service improvement		20%	15%	Mobility	Service improvement		25%	
Not included					Potential Benefit to Commuter Rail	Maximum points if the project is co-located along future commuter rail line.		20%	Prioritize projects that may make future commuter rail more viable.
Division Rank			15%	25%					
MPO Rank			15%	25%					
Total			100%	100%			0%	100%	

**MEMORANDUM**

**TO: Technical Coordinating Committee  
DCHC MPO**

**FROM: DCHC MPO Lead Planning Agency**

**DATE: March 20, 2014**

**SUBJECT: 2014-2015 Unified Planning Work Program (UPWP)**

**INTRODUCTION**

The DCHC MPO is required by federal regulations to prepare an annually Unified Planning Work Program (UPWP) that details and guides the urban area transportation planning activities. 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 supplemental project descriptions for Federal Transit Administration (FTA) projects. FTA project descriptions are provided for transit providers (Chapel Hill Transit, Durham Area Transit, & Triangle Transit Authority). FTA planning project task descriptions, FTA Disadvantaged Businesses Contracting Opportunities forms, and FTA funding source tables are also part of the UPWP document.

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. Statewide Planning and Research Funds (SPR) are designated for State use only and reflect the amount of those funds to be expended by the N.C. Department of Transportation Statewide Planning Division on DCHC MPO activities. Section 104(f) funds are designated for MPO planning and Section 133(b)(3)(7) funds are the portion of STP-DA funds used in MPO planning. The Lead Planning Agency (LPA) uses these funds to support the LPA planning functions. These funds are also used for MPO special projects, such as the congestion Management Systems, Collector Street Plan, Land use model, GIS/Data integration and automation, Regional model update and enhancement, Travel behavior surveys and update of the ITS deployment plan and regional architecture, support of the Regional Model Service Bureau, Parking Survey/Study, special projects, etc.

The main source of funds for transit planning for Chapel Hill Transit (CHT), the Durham Area Transit Authority (DATA), and the Triangle Transit Authority (TTA), is the Federal Transit Administration's Section 5303 funds. These funds are allocated by NCDOT's Public Transportation Division (PTD). Transit agencies can also use portions of their Section 5307 capital and operating funds for planning. These funds must be approved by the TAC as part of the UPWP approval process.

**FY 2015 UPWP Federal Funding by Agency at a Glance**

Agency	FHWA	FTA Transit Planning			Total
	Planning	5303	5307	5309	
Lead Planning Agency	\$1,547,124				\$1,547,124
Carrboro	\$146,954				\$146,954
Chapel Hill	\$175,675	\$147,541			\$323,216
Durham City	\$190,880				\$190,880
Durham County	\$48,115				\$48,115
Orange County	\$44,248				\$44,248
TJCOG	\$55,000				\$55,000
Chapel Hill Transit			\$283,621	\$210,000	\$493,621
DATA		\$153,563	\$245,073		\$398,636
TTA			\$684,000		\$684,000
Total	\$2,207,996	\$301,104	\$1,212,694	\$210,000	\$3,931,794
Note: Federal Funds = 80%					

**Unified Planning Work Program (UPWP) Development Process**

The development process for the 2014-15 UPWP is presented below. The work program contains any new initiative for FY2014 and a continuation of the FY2014 initiatives and emphasis areas. In addition, the schedule provides for opportunity for linking the UPWP development with the local member governments' budget process. The final 2014-2015 UPWP schedule is illustrated in the development schedule below.

The tentative development schedule for the 2014-15 UPWP is presented below. The work program will contain new initiatives for FY2015 and a continuation of the FY2014 initiatives and emphasis areas. The schedule provides for the coordination of the UPWP development with the local government budget process and NCDOT deadlines.

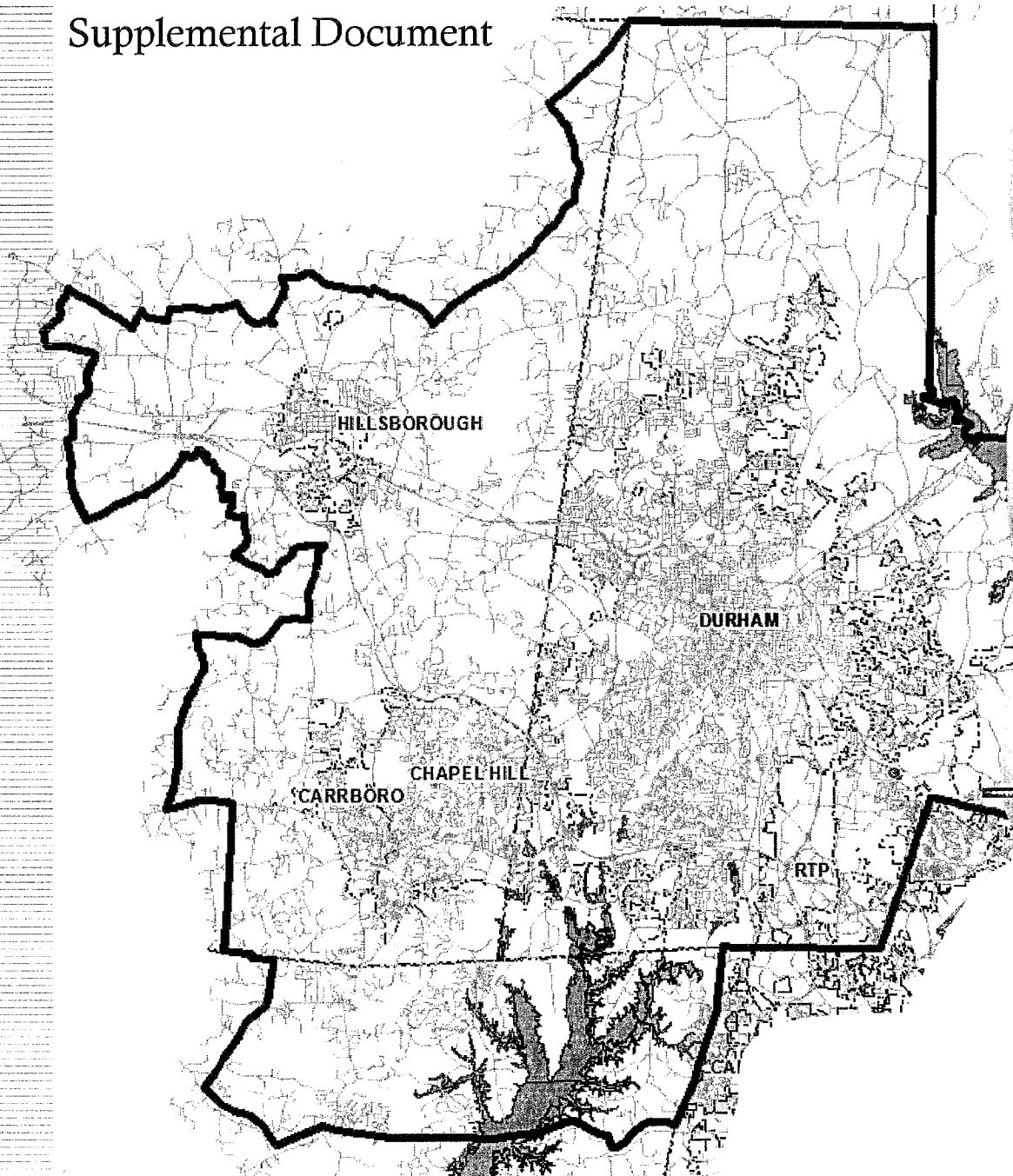
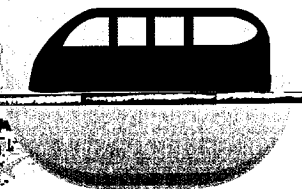
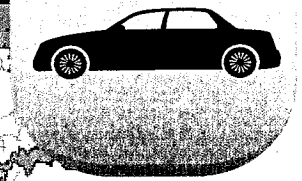
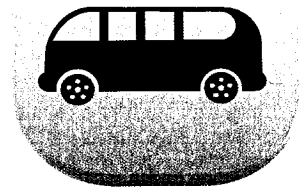
DATES	DCHC MPO ACTIVITY DESCRIPTION
27-Jan-14	Deadline for funding request to be submitted to MPO by member agencies. (deadline extended to 7-Feb-14)
December 2013 - January 2014	Development of Draft 2014-2015 UPWP and coordination with the Oversight Committee & local agencies.
26-Feb-14	TCC receives Draft 2014-2015 UPWP.
12-Mar-14	TAC receives Draft 2014-2015 UPWP & releases for public comment.

	Draft sent to FTA for review & comments.
26-Mar-14	TCC receives final DRAFT-FY2014-2015 UPWP, and recommends approval of UPWP and completion of self-certification process.
9-Apr-14	TAC holds public hearing. TAC considers adoption of FY 2015 UPWP and self-certification.
	NOTE: If TAC approves UPWP in April the following schedule will change.
23-Apr-14	TCC recommends that TAC adopt FINAL FY2014-2015. TCC recommends MPO complete self-certification UPWP planning process.
14-May-14	TAC adopts FINAL FY2014-2015 UPWP and self certifies MPO planning process.
16-May-14	Final FY2014-2015 UPWP submitted to NCDOT/FHWA/FTA for approval.
16-Jun-14	Final FY2014-2015 UPWP approved by NCDOT/FHWA/FTA.

# DCHC- MPO

Durham-Chapel Hill-Carrboro  
Metropolitan Planning Organization  
Unified Planning Work Program  
FY 2014-2015 DRAFT

Supplemental Document





**Durham-Chapel Hill-Carrboro  
Metropolitan Planning Organization  
FY 2014-2015 Unified Planning Work Program  
Supplemental Document**

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## **I. Introduction**

Federal regulations require that the DCHC MPO prepare an annual work program known as the Unified Planning Work Program (UPWP). The UPWP must identify the 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. 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* is hereby referenced as an element of the UPWP and is available upon request from any member agency of the DCHC MPO.

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 (a subset of the funding source table) are also included in the UPWP.

The funding source tables reflect available federal planning funds and the amounts of non-federal matching funds. The match is provided through either local or state funds or both. Statewide Planning and Research Funds (SPR) are designated for State use only and reflect the amount of those funds to be expended by the N. C. Department of Transportation Statewide Planning Division on DCHC MPO activities. Federal Highway Administration (FHWA) Section 104(f) funds, FHWA Section 133(b)(3)(7) funds, FTA Section 5303 (formerly Section 8) funds, FTA Section 5307 (formerly Section 9) funds, and Section 5309 (formerly Section 3) funds are designated for MPO use. The Section 5303 and Section 5307 funds have historically been used for transit planning tasks while other MPO transportation planning tasks have been funded with Section 104(f) and Section 133(b)(3)(7) funds. The Section 104(f) funds and the Section 133(b)(3)(7) funds, also known as Surface Transportation Program – Direct Attributable (STP-DA) funds are set by congressional authorization on an annual basis. With the exception of FTA Section 5307 and 5309 funds, these funds can be used only for MPO transportation planning purposes. FTA Section 5309 funds are used for transit capital expenses, and Section 5307 funds are used for transit capital and operating expenses as reflected in the Transportation Improvement Program.

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. The certification resolution is included in the FY 2014-2015 UPWP.

This document serves as a supplement to the FY 2014-2015 UPWP by providing thorough descriptions of the UPWP special projects and overall budget, MPO accomplishments of the prior fiscal year and current cost-sharing arrangement, as well as detailed resource allocations by member agencies.

**II. Proposed FY 2014-2015 UPWP Lead Planning Agency (LPA) Budget**

**FY-2015 LPA funding:** \$1,547,124 - Federal

\$1,933,905 - Total

**Federal Funding for MPO Local Agencies for MPO FHWA Planning Activities**

<b>Jurisdiction</b>	<b>Planning</b>	<b>Special Projects</b>	<b>Total Federal funding (80%)</b>
Carrboro	\$26,954	\$120,000	\$146,954
Chapel Hill	\$115,675	\$60,000	\$175,675
Durham City	\$70,880	\$120,000	\$190,880
Durham County	\$48,115		\$48,115
Orange County	\$44,248		\$44,248
TJCOG	\$55,000		\$55,000
<b>Total</b>			<b>\$660,872</b>

**Federal Funding for MPO LPA and Local Agencies for MPO FHWA and FTA Planning Activities**

<b>Agency</b>	<b>FHWA</b>	<b>FTA Transit Planning</b>			<b>Total</b>
	<b>Planning</b>	<b>5303</b>	<b>5307</b>	<b>5309</b>	
Lead Planning Agency	\$1,547,124				\$1,547,124
Carrboro	\$146,954				\$146,954
Chapel Hill	\$175,675	\$147,541			\$323,216
Durham City	\$190,880				\$190,880
Durham County	\$48,115				\$48,115
Orange County	\$44,248				\$44,248
TJCOG	\$55,000				\$55,000
Chapel Hill Transit			\$283,621	\$210,000	\$493,621
DATA		\$153,563	\$245,075		\$398,638
TTA			\$684,000		\$684,000
<b>Total</b>	<b>\$2,207,996</b>	<b>\$301,104</b>	<b>\$1,212,696</b>	<b>\$210,000</b>	<b>\$3,931,796</b>
<b>Note: Federal Funds = 80%</b>					

### **III. Proposed FY 2015 UPWP Highlights & Synopsis of Work Program**

1. Data and Data Management System
2. Model Update and Enhancement
3. Survey (Travel Behavior & Transit Onboard)
4. GIS (GIS online & enterprise GIS portals)
5. Regional Rail –County Transit Plans
6. Comprehensive Transportation Plan
7. 2045 MTP
  - a. Socio-Economic/Demographic Data Analysis & Forecasting
  - b. Land-use Scenario Planning
8. SPOT3-STI
9. Grants and Financial Management
10. Interactive Web-comprehensive web presence (social media)
11. Title VI/LEP/EJ
12. Map-21 implementation regulation & requirements (performance measures and targets, asset management, Freight, etc.)
13. State and Regional Planning/Coordination
14. Project Development & Planning/NEPA
15. Administration of the 3-C Process
16. Service Requests
17. ADA Transition Plan (See attached audit questionnaire)
18. Freight Plan (regional – DCHCMPO/CAMPO/NCDOT –NCDOT picking 50% of total cost)
19. Community Viz 2.0 (DCHCMPO/CAMPO)
20. Continuation of routine planning- TIP, UPWP, Data monitoring, GIS, Public Involvement, AQ, etc.
21. Regional Transit and implementation of County transit plans

### **IV. FY 2015 Emphasis/Special Projects Descriptions**

Special emphasis projects and new initiatives for the FY14-15 UPWP are described below.

#### **Triangle Regional Model (TRM) - Major Model Enhancement**

Upon completion of the 2040 MTP and air quality conformity determination modeling operation, the Triangle Regional Model Service Bureau (TRM-SB) and the regional model stakeholders began substantial revisions and enhancements in order to better respond to the evolving needs and policies of the DCHC MPO and other model stakeholders. One of the first tasks will be to identify and select model enhancements for implementation based on the needs of the various partners, which include local governments, and, on the feasibility and costs of desired enhancements. Enhancements specifically discussed 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 (NC-DOT, TTA, 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 will not be included in the regional model plan, such as the enhancement of the non-motorized trip. In that case, additional specific activities may include developing extensions to the regional model to meet DCHC's remaining policy needs.

**Enhancement of the Non-Motorized Trip Model funding NOT included in the proposed FY 2015 budget.**

**Travel Behavior Survey (Household Survey)**

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 4,000 households across the Triangle. The sample size for the DCHC 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 also includes a separate transit on-board survey (survey of bus riders) and surveys of bicycle and pedestrian activity and facilities.

The benefit to the MPO will be a more accurate and reliable travel demand model that represents and captures local travel behavior and travel patterns.

**Transit Onboard Survey (Pre-test in FY15 Survey/analysis in FY 2016)**

The TRM Service Bureau along with the DCHCMPO, CAMPO and TTA will conduct a transit onboard survey of riders of Capital Area Transit (CAT), Chapel Hill Transit (CHT), Triangle Transit, Cary Transit (C-Trans), Durham Area Transit Authority (DATA), Duke, and the Wolf

line systems. The purpose of the survey is to better understand the travel pattern of transit users in the Triangle region, particularly, the impact that the proposed Durham-Orange Light Rail (D-O LRT) will have on metropolitan and regional travel patterns. The primary objective for the proposed FY 2015 transit onboard survey are summarized as follows; 1) Update travel pattern data for the TRM to reflect current transit system ridership; Recalibrate the TRM mode choice model; and 2) collect on transit ridership as part of the “Before and After Assessment of D-O LRT” as required by the federal Transit Administration (FTA) Final Rule on Major Capital Investment Projects. The survey results will be shared with the aforementioned regional transit operators to help them gain a better understanding of how their services are being used. The proposed survey will be conducted on approximately 115 bus routes with the goal of obtaining useable surveys from approximately 14,000 passengers. TTA will be conducting a survey in 2014 for the Durham-Orange Light Rail project.

### **Community Viz 2.0**

The DCHC MPO in concert with CAMPO will undertake the development of Community Viz 2.0. The primary purpose of the project is to implement a partnering strategy and create a spatial data planning model framework and scenario planning 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 Long Range Transportation Plan; the 2045 Metropolitan Transportation plan.

During FY 2012-13, the DCHC MPO and CAMPO joined together to initiate the first Community Viz 1.0 scenario planning initiative called Imagine 2040. That study provided an opportunity to explore and debate regional visions for growth, their trade-offs, and alternative development futures. Scenario planning tools, and specifically, CommunityViz 1.0 was 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 were the development of the 2040 MTP socio-economic forecasts. Community Viz 2.0 will build upon that effort.

### **FY 2015 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 planning, EJ.LEP demographic profiles, TIP, project prioritization, etc. The following data collection and monitoring tasks will be conducted during the FY 2015 UPWP period:

- 48 hour traffic volume –hourly, bi-directional, classified and 85<sup>th</sup> percentile speed.
- Turning Movement Count during AM, Noon and PM peak periods for cars, trucks, bikes and pedestrians.
- Travel time and speed survey

- Pedestrian and bikes counts at mid-block and intersections (peak counts and 12-hour counts).

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; designing work flow processes and data access strategies to support routine access to relevant information, continue designing and updating a centralized database for information that will be used by transportation and land use models, developing presentation tools for the data (using ArcGIS Online), and adjusting the travel demand model so that it can use such detailed data directly.

#### **Freight Planning/Urban Good Movement – Regional Freight Plan**

DCHCMPO, CAMPO and NCDOT will jointly develop a regional freight plan as mandated by federal regulations. The cost of the freight study will be shared among the aforementioned stakeholders as follows: 50% NCDOT, CAMPO 30% and DCHCMPO 20%.

#### **American's with Disability Act (ADA) Transition Plan**

The ADA requires public agencies with more than 50 employees to make a transition plan [28 CFR §35.150(d)]. The transition plan must include a schedule for providing access features, including curb ramps for walkways [28 CFR §35.150(d)(2)]. The ADA transition plan is intended to identify system needs and integrate them with the MPOs planning process. The transition plan and its identified needs will be fully integrated into the Metropolitan Transportation Improvement Program (MTIP).

**V. Funding (Budget) Distribution by Tasks for the LPA**

<b>No.</b>	<b>Task/Project</b>	<b>Hours</b>	<b>Funding</b>	<b>Percent</b>
1	Data Collection & Monitoring/Surveillance	4,062	\$379,372	19.6%
2	Travel Model Updates & Survey Activities (including base year, intermediate years and Horizon model data)	3,415	\$425,673	22.0%
3	Long Range Planning & MTP/CTP/ Collector Street Planning/TDM	3,546	\$167,294	8.7%
4	Congestion Management Process -CMP	1,120	\$54,815	2.8%
5	Air Quality Planning & Conformity	130	\$6,795	0.4%
6	Short Range Transit Planning / TDP	0	\$0	0.0%
7	UPWP & Fiscal/Grant Management/oversight & Audit	1,320	\$62,180	3.2%
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Project Development	790	\$37,411	1.9%
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Planning for Elderly	636	\$32,781	1.7%
10	Safety Planning/Drug Control Planning & Private Sector participation	310	\$15,374	0.8%
11	Public Involvement/ Website/Social media & interactive mapping	778	\$41,291	2.1%
12	Special Studies & State/Regional Coordination	1,125	\$247,555	12.8%
13	MPO Management and Operations	3,400	\$463,365	24.0%
	<b>Total</b>	20,632	\$1,933,905	100%

## **VI. FY 2015 Local Agencies Funding Requests : Planning and Special Projects**

### **A. City of Durham – \$155,000**

1. Durham Bike and Hike Map. Total request: \$15,000 (\$12,000 federal, \$3000 local).

Description: Update map (estimate \$7500) and print \$10,000 copies (estimate \$7500). It is likely that we will be able to overmatch based on past contributions to map printing from Duke, DCVB, and other city departments.

2. Durham Bicycle Boulevard and Bike Lane Study. Total request: \$60,000 (\$48,000 federal, \$12,000 local)

Description: The purpose of this study would be to develop a comprehensive toolbox of strategies and best practices for bicycle boulevards in Durham and to develop specific recommendations for a network of bicycle boulevards in Durham with a focus on alternatives to streets for which on-street bicycle facilities are challenging and/or to provide connections between key destinations. The study will include a public input process, cost estimates, and functional level design for at least four bicycle boulevard projects (two east-west and two north-south routes). The study will also assess some current bike lane projects in Durham and make recommendations for improvements to the design to increase safety and usage of the facilities.

3. Durham Bike Share Feasibility Study. Total request: \$80,000 (\$64,000 federal, \$16,000 local).

Description: The study will conduct a comprehensive analysis of the bike-share concept and will determine the likely success of a bike-share program in Durham. The project will consist of two separate phases. The first phase will conduct a feasibility study for a bike share system for Durham that includes a minimum number of stations, ridership potential, cost and revenue estimates, and governance/ownership models. If phase one determines that such a system is feasible, phase two will create an implementation plan for a bike-share system in Durham.

### **B Town of Chapel Hill, \$75,000 – Pedestrian Planning**

Description to be provided by the Town.

### **C: Town of Carrboro**

\$150,000 for the development of Parking Plan

## **VII. Schedule and Timeline**

February 26 – TCC receives Draft FY 2015 UPWP

February 28 - Draft UPWP to NCDOT

March 12 - TAC receives Draft FY 2015 UPWP and releases for public comment Period

March 26 – TCC authorized approval of FY2015 UPWP

April TAC – Hold Public Hearing and Approve

## **VIII. Synopsis of Accomplishments**

The Main emphases of the FY 2013 and FY 2014 Unified Planning Work Programs (UPWP) were the development of the 2040 Long Range Transportation Plan and Air Quality Conformity Determination, model, enhancement, calibration and validation of the Triangle Regional Model, the update of the MPO GIS enterprise, update Non-motorized Trip Model, the development of the MPO integrated land-use/transportation model, implementation of the regional Intelligent Transportation Systems (ITS) Strategic Deployment Plan, Congestion Management Process (data collection and analysis, evaluation of performance indicators, development of mitigation measures, State of Systems Report, etc.), development of the regional transit plan and the implementation of the County transit plans. The MPO continued to fulfill State and federal transportation mandates and requirements, mainly the 3-C transportation process, such as UPWP planning, SPOT/TIP/Mobility funds, Title VI/EJ/LEP, visualization, etc. The MPO made significant progress in these areas. Major milestones and accomplishments are summarized as follows:

1. 2040 Metropolitan Comprehensive Plan (MTP): The MPO completed tasks associated with the development of the 2040 MTP. The Transportation Advisory Committee (TAC) adopted the 2040 MTP and Air Quality Conformity Determination in May 2013.
2. Comprehensive Transportation Plan (CTP): The MPO along with NCDOT began work on the development of the Comprehensive Transportation Plan as mandated by the North Carolina General Status. Work accomplishments include CTP model setup, preparation of base maps, definition of roles and responsibilities.
3. Civil Rights Title VI Audit and MPO Title VI Plan: The DCHC MPO prepared Title VI Plan, which addressed how the MPO is integrating nondiscriminatory practices in its transportation planning, public participation, and decision making. Title VI is a requirements of the federal Civil Rights Act of 1964 and other legislation that direct the fair treatment and meaningful involvement of all people—regardless of race, color, national origin, disability, age, gender, or income status—in programs and activities receiving federal funding, including for transportation issues. The MPO also prepared response to NCDOT Civil Rights Division Title VI audit and certification questionnaires
4. Limited English Proficiency Plan : The MPO) updated a federally mandated Limited English Proficiency (LEP) Plan to help identify reasonable steps to provide language

assistance for LEP persons seeking meaningful access to MPO programs as required by Executive Order 13166. A Limited English proficiency person is one who does not speak English as their primary language and who has a limited ability to read, speak, write or understand English. The LEP Plan included the required four factor analysis and strategies for ensuring access to transportation by LEP population.

5. Demographic Profiles for Environmental Justices (EJ) and Civil Rights Title VI: The MPO updated and enhanced demographic profiles for EJ and LEP in accordance with federal requirements. The MPO collected and analyzed Census and American Community Services (ACS) data. The pieces of information from the CENSUS and ACS were used to evaluate whether certain language groups with the DCHC MPO area met the Safe Harbor clause of LEP guidance. The MPO also generated various charts, graphs and GIS mapping associated with the LEP demographic profiles.
6. Data Collection and Monitoring (Surveillance): The Lead Planning Agency (LPA) continued data collection, tabulation and analysis to support various MPO technical and planning functions such as modeling, Congestion Management Process (CMP), Mobility Report Card, Transportation Improvement Program project ranking/prioritization, Metropolitan Transportation Plan (MTP) evaluation, air quality analysis and conformity, Environmental Justice, Socio-economic and demographic projections/forecasting, Highway Performance Management System (HPMS), Transit planning, project development, bicycle and pedestrian planning, safety, etc. The following data elements were either collected, tabulated, update and/or monitored within the MPO boundary:
  - a. Daily traffic volume - 400 locations
  - b. Turning Movement Counts (TMC) - 300 locations
  - c. Truck classification counts - 400 locations
  - d. Signal and detector data - 450 signal locations
  - e. Roadway geometric information - 300 segments
  - f. Transit system data (stop, route system wide reports, including boarding alighting, load, run time, costs, passenger/miles, etc.) all routes for CHT, DATA, TTA and Duke
  - g. Travel time 162 - facilities/segments
  - h. Bicycle pedestrian counts (peak period and 12-hour)
  - i. Development activities, permits and certificates of occupancy
  - j. ACS demographic data
  - k. Employment/ land-use
7. GIS Online Framework: Continued work on a repository for local, regional and State GIS data for use by the public and local and regional officials. The GIS On-line will support MPO short and long-range transportation planning by providing a visualization capability required by federal regulations as well as provide interactive mapping and geo-spatial information to the public and policy makers.
8. STI Analysis & SPOT3 Prioritization. The LPA prepared analysis of the Strategic Transportation Investment (STI) and summary reports for the elected officials and the

public. Staff made several presentations to the TCC and TAC. Additionally, the LPA developed highway, transit, bike-pedestrian and rail projects list for SPOT-3 and updated modal ranking methodology.

9. The LPA developed and finalized the 2014-2020 Metropolitan Transportation Improvement Program (MTIP) and subsequently NCDOT notified the MPO about the suspension of the 2014-2020 TIP due to MAP-21 funding shortfall, new State legislative issues and uncertainties surrounding revenue forecasts.
10. Amendments and Administrative Modifications of the MTIP: The MPO processed several administrative modifications to the 2012-18 MTIP and forwarded to NCDOT to be included in the STIP for BOT approval.
11. Congestion Management Process (CMP): Completed CMP data collection and some analysis. Draft reports for various components of the CMP were completed: Draft MPO Mobility Report Card, Safety Evaluation Report, draft multi-modal LOS for evaluating Complete Streets capacity/LOS, etc.
12. UPWP Financial Reporting and Management: The LPA processed 7 UPWP amendments (FHWA and FTA funds) and quality invoices to NCDOT. The LPA successfully completed an annual audit review for LPA planning grants.
13. Triangle Regional Model (TRM) Update and Enhancement: The MPO continues to participate in the update and enhancement of the TRM at ITRE. The MPO is one of the funding partners of the modeling service bureau and continues to provide .5 FTE to ITRE Model Service Bureau.
14. The MPO continued work on several special and major emphasis projects: MPO Land-use model, MPO Non-Motorized Trip model, MPO GIS, Community VIZ integration, MPO Twitter account, Preparation of CMAQ applications, etc.
15. Bicycle lane restriping: The MPO worked with NCDOT Division 5 and Division 7 regarding priorities and plans for restriping roadways scheduled for resurfacing by NCDOT.
16. Alston Avenue Widening & East-End Connector: The LPA worked on the project planning and NEPA for the Alston Avenue and the East End Connector projects. The LPA continued work in helping NCDOT in the public involvement and outreach for the East-End Connector planning and environmental (NEPA) study.
17. Other Project Development Planning and NEPA: The LPA continued to participate in ongoing NCDOT project planning and the NEPA process for several projects within the MPO. These projects are summarized as follows: South Miami, Blvd widening, NC 98, Holloway Street widening, Alexander Drive widening project, Hopson Road grade separation, Alston Avenue, East End Connector, Hillandale widening, NC 98 (Holloway Street) widening, South Columbia, several bridge replacement projects, resurfacing projects, etc.
18. ITS Strategic Deployment Plan (SDP). Work continues on the implementation of the Triangle Regional ITS SDP. This included linkages of ITS to travel model and the required bridging of planning and operations.

19. Ramp Metering project was completed and report presented to the TAC.
20. Agency Service Request – LPA staff often assist with customer service requests several times a month with issues regarding UPWP allocation, sub-recipient reporting training and guidance, technical assistance, etc.

**IX. FY2015 UPWP Cost Sharing, Organization Chart, Resource Allocation**

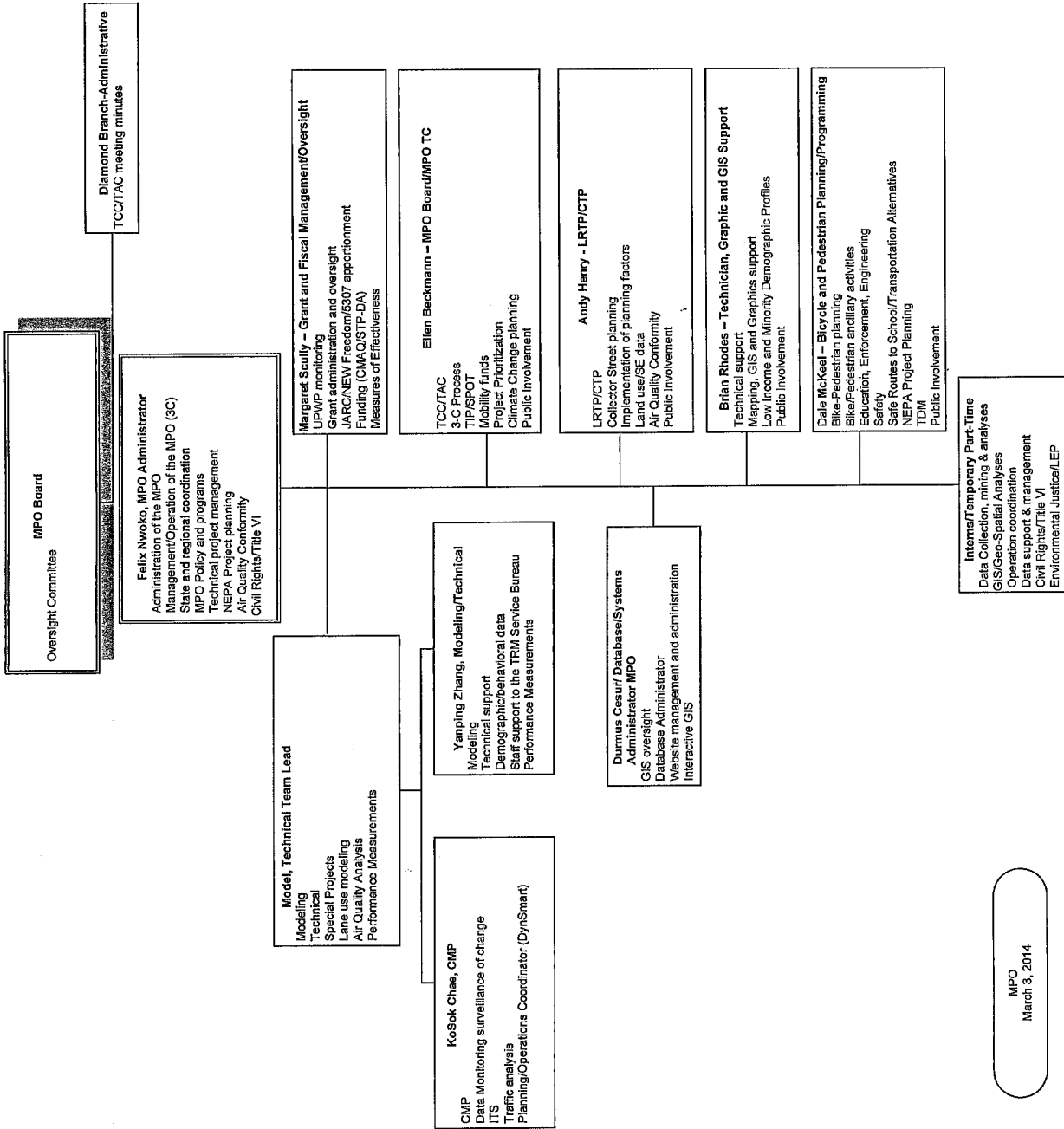
Summary of FY 2015 Local Match Cost Sharing Distribution

<b>Agency</b>	<b>Match</b>
Durham City	\$ 201,392
Durham County	\$ 44,118
Chapel Hill	\$ 51,363
Carrboro	\$ 18,525
Hillsborough	\$ 7,209
Orange County	\$ 28,956
Chatham County	\$ 13,223
TTA	\$ 21,996
Totals Local 20%	\$ 386,781
80% Federal Share	\$ 1,547,124
Total 100%	\$ 1,933,905

Details of local match cost sharing are included in the following table.

<b>FY 2015 Local Match Cost Sharing - Distributio</b>										
<b>No.</b>	<b>Agency</b>	<b>2010 Census Population</b>	<b>Pop Share</b>	<b>Routine Planning</b>	<b>TRM</b>	<b>Household Survey</b>	<b>FY 2015 Data</b>	<b>Transit OnBoard Survey</b>	<b>ADA - Freight CommViz</b>	<b>TOTAL</b>
1	Durham City	228330	57.24%	\$132,374	\$17,173	\$13,176	\$15,750		\$22,920	\$201,392
2	Durham County	39287	9.85%	\$22,777	\$2,955	\$2,267	\$12,176		\$3,944	\$44,118
3	Chapel Hill	57233	14.35%	\$33,181	\$4,305	\$3,303	\$4,830		\$5,745	\$51,363
4	Carrboro	19582	4.91%	\$11,353	\$1,473	\$1,130	\$2,604		\$1,966	\$18,525
5	Hillsborough	6087	1.53%	\$3,529	\$458	\$351	\$2,260		\$611	\$7,209
6	Orange County	34202	8.57%	\$19,829	\$2,572	\$1,974	\$1,148		\$3,433	\$28,956
7	Chatham County	14160	3.55%	\$8,209	\$1,065	\$817	\$1,710		\$1,421	\$13,223
8	TTA			\$18,750					\$3,246	\$21,996
	Totals Local 20%	398881		\$250,000	\$30,000	\$23,017	\$40,478	\$0	\$43,286	\$386,781
	80% Federal Share			\$1,000,000						\$1,547,124
	Total 100%			\$1,250,000						\$1,933,905

DCHC MPO LEAD PLANNING AGENCY (LPA)



MPO  
March 3, 2014

**FY 2014-2015 UPWP - Resource Allocation**  
**Summary of LPA Staff Hours and Total Funding**

Table 1															
No.	Task/Project	The Lead Planning Agency (LPA) Staff Hours													
		Trans. PI - MPO	Trans. PI - L RTP/CTP	Trans. PI - Bike/Ped	Fiscal Mngt-Grant	Engineer-Modeling Landuse	Engineer-CMP / Tech Serv	Tech Serv Superv.	GIS / Web	Technician	Planning Manager	TCC Chair	Secretary MPO Clerk	Interns	Tot Staff Hours
1	Data Collection & Monitoring/Surveillance	0	300	72	0	0	830	140	900	1,210	50	0	0	560	4,062
2	Travel Model Updates & Survey Activities (including base year, intermediate years and horizon model data)	0	635	0	0	1,000	0	500	0	180	320	0	0	780	3,415
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	170	826	460	0	500	440	400	100	350	0	0	0	300	3,546
4	Congestion Management Process-CMP	0	0	0	0	240	550	80	0	0	50	0	0	200	1,120
5	Air Quality Planning & Conformity	0	0	80	0	0	0	0	0	0	50	0	0	0	130
6	Short Range Transit Planning / TDP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	UPWP & Fiscal/Grant Management/oversight & Audit	0	0	0	1,000	0	0	0	0	0	320	0	0	0	1,320
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	400	0	190	100	0	0	20	0	0	80	0	0	0	790
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	96	0	0	0	0	20	0	0	0	370	0	0	150	636
10	Safety Ping/Drug Control Ping & Private Sector participation	0	0	0	0	0	60	0	0	0	150	0	0	100	310
11	Public involvement/ Website/Social media & interactive mapping	44	54	30	0	0	0	0	500	0	100	0	0	50	778
12	Special Studies & State/Regional Coordination	210	25	50	0	100	0	260	380	0	100	0	0	0	1,125
13	MPO Management and Operations	980	60	60	800	60	0	500	20	160	310	100	250	100	3,400
<b>Totals</b>		<b>1,900</b>	<b>1,900</b>	<b>942</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>1,900</b>	<b>100</b>	<b>250</b>	<b>2,240</b>	<b>20,632</b>
<b>% Hours Devoted to MPO Planning</b>		<b>100%</b>	<b>100%</b>	<b>50%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>13%</b>	<b>100%</b>	

FY 2014-2015 UPWP - Resource Allocation  
Summary of LPA Staff Hours and Total Funding

Table 2		Percent Staff Hours Distribution by UPWP Tasks												
No.	Task/Project	Trans. Pl. - MPO	Trans. Pl. - L RTP/CTP	Trans. Pl. - Bike/Ped	Fiscal Mngt-Grant	Engineer - Modeling Landuse	Engineer - CMP / Tech Serv	Tech Serv Superv.	GIS / Web Technidnan	Planning Manager	TCC Chair	Secretary MPO Clerk	Interns	Tot Staff Hours
1	Data Collection & Monitoring/Surveillance	0.0%	15.8%	7.6%	0.0%	0.0%	43.7%	7.4%	47.4%	2.6%	0.0%	0.0%	25.0%	19.7%
2	Travel Model Updates & Survey Activities (including base year, intermediate years and Horizon model data)	0.0%	33.4%	0.0%	0.0%	52.6%	0.0%	26.3%	0.0%	16.8%	0.0%	0.0%	34.8%	16.6%
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	8.9%	43.5%	48.8%	0.0%	26.3%	23.2%	21.1%	5.3%	0.0%	0.0%	0.0%	13.4%	17.2%
4	Congestion Management Process -CMP	0.0%	0.0%	0.0%	0.0%	12.6%	28.9%	4.2%	0.0%	2.6%	0.0%	0.0%	8.9%	5.4%
5	Air Quality Planning & Conformity	0.0%	0.0%	8.5%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.6%
6	Short Range Transit Planning / TDP	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%
7	UPWP & Fiscal/Grant	0.0%	0.0%	0.0%	52.6%	0.0%	0.0%	0.0%	0.0%	16.8%	0.0%	0.0%	0.0%	6.4%
8	Management/oversight & Audit TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	21.1%	0.0%	20.2%	5.3%	0.0%	0.0%	1.1%	0.0%	4.2%	0.0%	0.0%	0.0%	3.8%
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	5.1%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	19.5%	0.0%	0.0%	6.7%	3.1%
10	Safety Ping/Drug Control Ping & Private Sector participation	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	0.0%	7.9%	0.0%	0.0%	4.5%	1.5%
11	Public Involvement/ Website/Social media & interactive mapping	2.3%	2.8%	3.2%	0.0%	0.0%	0.0%	0.0%	26.3%	5.3%	0.0%	0.0%	2.2%	3.8%
12	Special Studies & State/Regional Coordination	11.1%	1.3%	5.3%	0.0%	5.3%	0.0%	13.7%	20.0%	5.3%	0.0%	0.0%	0.0%	5.5%
13	MPO Management and Operations	51.6%	3.2%	6.4%	42.1%	3.2%	0.0%	26.3%	1.1%	16.3%	100.0%	100.0%	4.5%	16.5%
	Totals	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

FY 2014-2015 UPWP - Resource Allocation  
Summary of LPA Staff Hours and Total Funding

FY 2015 UPWP - Overview of Staff Hours by Task and Agency												
No.	Task/Project	FHWA PL & STP-DA Funding						FTA 5303 and 5307 Funding				
		LPA	Chapel Hill	Carrboro	TICOG	Durham City	Durham Co	Orange	DATA 5303	CHT 5303	TTA 5307	
1	Data Collection & Monitoring/Surveillance	4,062	1,112	85	0	48	55	235	1,565	1,550	0	
2	Travel Model Updates & Survey Activities (including base year, intermediate years and Horizon model data)	3,415	0	70	0	0	0	120	0	0	0	
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	3,546	1,230	80	0	544	1,165	120	0	1,200	0	
4	Congestion Management Process -CMP	1,120	500	15	0	0	0	0	0	25	0	
5	Air Quality Planning & Conformity	130	0	0	0	0	0	0	0	0	0	
6	Short Range Transit Planning/TDP	0	0	45	0	0	0	140	0	299	0	
7	UPWP & Fiscal/Grant Management/oversight & Audit	1,320	50	45	0	68	30	50	0	0	0	
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	790	575	60	0	680	0	95	0	0	0	
9	Safety Ping/Drug Control Ping & Private Sector participation	310	0	0	0	0	0	0	0	0	0	
10	Public Involvement/ Website/Social media & interactive mapping	778	0	40	0	82	0	0	0	0	0	
11	Special Studies & State/Regional Coordination	1,125	458	80	1,057	88	265	105	0	665	0	
12	MPO Management and Operations	3,400	402	260	0	270	106	500	0	818	0	
	Totals	20,632	4,327	790	1,057	1,900	1,621	1,365	1,565	4,557	0	

**FY 2014-2015 UPWP - Resource Allocation**  
**Summary of LPA Staff Hours and Total Funding**

Table 4

No.	Task/Project	FY 2015 UPWP - Overview of Budget by Task and Agency															
		FHWA PL & STP-DA Funding										FTA 5303 and 5307 Funding					
		LPA	Chapel Hill	Carrboro	TICOG	Durham City	Durham Co	Orange	DATA 5303	CHT 5303	TTA 5307						
1	Data Collection & Monitoring/Surveillance	\$509,372	\$30,017	\$8,754	\$0	\$2,112	\$2,141	\$9,258	\$79,328	\$49,180	\$125,000						
2	Travel Model Updates & Survey Activities (including base year, intermediate years and Horizon model data)	\$465,673	\$0	\$2,354	\$0	\$0	\$0	\$4,874	\$0	\$0	\$90,000						
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	\$254,794	\$109,631	\$2,718	\$0	\$178,936	\$41,863	\$4,874	\$6,524	\$46,900	\$0						
4	Congestion Management	\$74,815	\$21,050	\$545	\$0	\$0	\$0	\$0	\$0	\$1,525	\$0						
5	Process -CMP	\$6,795	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0						
6	Air Quality Planning & Conformity	\$0	\$0	\$1,634	\$0	\$0	\$0	\$5,828	\$26,098	\$8,163	\$0						
7	Short Range Transit Planning / TDP	\$62,180	\$3,050	\$1,634	\$0	\$2,992	\$1,333	\$1,960	\$0	\$0	\$0						
8	UPWP & Fiscal/Grant Management/oversight & Audit	\$37,411	\$22,325	\$2,179	\$0	\$29,920	\$0	\$3,682	\$6,524	\$0	\$0						
9	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	\$32,781	\$0	\$363	\$0	\$5,280	\$0	\$0	\$3,262	\$0	\$0						
10	Safety Ping/Drug Control Ping & Private Sector participation	\$15,374	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0						
11	Public Involvement/ Website/Social media & interactive mapping	\$71,291	\$0	\$1,359	\$0	\$3,608	\$0	\$0	\$3,262	\$0	\$0						
12	Special Studies & State/Regional Coordination	\$194,971	\$15,023	\$152,516	\$68,750	\$3,872	\$9,936	\$4,169	\$0	\$28,467	\$855,000						
13	MPO Management and Operations	\$208,449	\$34,639	\$9,638	\$0	\$11,880	\$4,870	\$20,664	\$66,956	\$50,192	\$0						
	Totals	\$1,933,905	\$235,735	\$183,693	\$68,750	\$238,600	\$60,143	\$55,310	\$191,954	\$184,427	\$1,070,000						

**FY 2014-2015 UPWP - Resource Allocation**  
**Summary of LPA Staff Hours and Total Funding**

Table 5			
Staff Salaries and Consulting Breakdown			
No.	Task/Project	Salary & Fringe	Consulting
1	Data Collection & Monitoring/Surveillance	\$185,532	\$193,840
2	Travel Model Updates & Survey Activities (including base year, intermediate years and Horizon model data)	\$160,588	\$265,085
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	\$167,294	\$0
4	Congestion Management Process-CMP	\$54,815	\$0
5	Air Quality Planning & Conformity	\$6,795	\$0
6	Short Range Transit Planning / TDP	\$0	\$0
7	UPWP & Fiscal/Grant Management/oversight & Audit	\$62,180	\$0
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	\$37,411	\$0
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	\$32,781	\$0
10	Safety Ping/Drug Control Ping & Private Sector participation	\$15,374	\$0
11	Public Involvement/ Website/Social media & interactive mapping	\$41,291	\$0
12	Special Studies & State/Regional Coordination	\$60,055	\$187,500
13	MPO Management and Operations	\$158,449	\$34,916
	<b>Totals</b>	<b>\$982,564</b>	<b>\$681,341</b>

**FY 2014-2015 UPWP - Resource Allocation**  
**Summary of LPA Staff Hours and Total Funding**

**Table 6**  
**FY 2015 FHWA Planning Funding & Person Hours by MPO Sub-Recipients**

No.	Jurisdiction	FY 2015 80% Fed	Total 100%	Person Hours	FTE
1	Carrboro	\$146,954	\$183,693	790	0.4
2	Chapel Hill	\$188,588	\$235,735	4,327	2.3
3	Chatham County				
4	Durham City	\$190,880	\$238,600	1,900	1.0
5	Durham County	\$48,115	\$60,143	1,621	0.9
6	Hillsborough				
7	Orange County	\$44,248	\$55,310	1,365	0.7
8	TICOG	\$55,000	\$68,750	1,057	0.6
	<b>Total</b>	<b>\$673,786</b>	<b>\$842,232</b>	<b>11,060</b>	<b>5.8</b>

TCC subcommittee to develop a long term recommendation for funding allocation to Member Jurisdictions

**Table 7**  
**FY 2015 Transit Funding by Agency**

	5303	5307	5309	Total	
1	Chapel Hill Transit	\$184,427	\$354,527	\$262,500	\$801,453
2	DATA	\$191,954	\$306,344		\$498,298
3	Triangle Transit		\$1,070,000		\$1,070,000
	<b>Total</b>	<b>\$376,381</b>	<b>\$1,730,871</b>	<b>\$262,500</b>	<b>\$2,369,751</b>



Town of Chapel Hill - Percent Staff Hours Distribution by UPWP Tasks												
No.	Task/Project	Trans. Pl. - Bonk	Trans. Pl. - Davis	Trans. Pl. - Mickles	New position	Intern1	Intern2	Staff	Staff	Staff	Staff	Tot. Staff Hours
1	Data Collection & Monitoring/Surveillance	0.0%		11.7%	34.2%	40.0%	37.3%					25.7%
2	Travel Model Updates & Survey Activities (including base year, intermediate years and horizon model data)	0.0%		0.0%	0.0%	0.0%	0.0%					0.0%
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	21.9%		24.0%	17.5%	48.7%	37.3%					28.4%
4	Congestion Management Process - CMP	0.0%		0.0%	43.9%	0.0%	0.0%					11.6%
5	Air Quality Planning & Conformity	0.0%		0.0%	0.0%	0.0%	0.0%					0.0%
6	Short Range Transit Planning / TDP	0.0%		0.0%	0.0%	0.0%	0.0%					0.0%
7	UPWP & Fiscal/Grant Management/oversight & Audit	8.8%		0.0%	0.0%	0.0%	0.0%					1.2%
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	13.2%		58.5%	0.0%	0.0%	0.0%					13.3%
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	0.0%		0.0%	0.0%	0.0%	0.0%					0.0%
10	Safety Ping/Drug Control Ping & Private Sector participation	0.0%		0.0%	0.0%	0.0%	0.0%					0.0%
11	Public Involvement/ Website/Social media & interactive mapping	0.0%		0.0%	0.0%	0.0%	0.0%					0.0%
12	Special Studies & State/Regional	28.8%		0.0%	0.0%	10.3%	25.5%					10.6%
13	MPD Management and Operations	26.3%		5.8%	4.4%	0.0%	0.0%					9.3%
	Totals	100.0%		100.0%	100.0%	100.0%	100.0%					100.0%

FY 2014-2015 UPWP  
Summary of LPA Staff Hours and Total Funding

Carboro FHWA - Table 1		Town of Carboro Staff Hours											
No.	Task/Project	Trans. PL - Jeff	GIS - Ruth	Trans. PL - Pat	Trans. PL - Pat	Staff TBD	Staff	Staff	Staff	Staff	Staff	Staff	Tot Staff Hours
1	Data Collection & Monitoring/Surveillance	25	30	0	0	0	30						85
2	Travel Model Updates & Survey Activities (including base year, intermediate years and horizon model data)	30	0	10	10	20							70
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	40	0	10	10	20							80
4	Congestion Management Process - CMP	15	0	0	0	0							15
5	Air Quality Planning & Conformity	0	0	0	0	0							0
6	Short Range Transit Planning / TDP UPWP & Fiscal/Grant	45	0	0	0	0							45
7	Management/oversight & Audit	45	0	0	0	0							45
8	TIP/SPOT/Mobility Funds/Loop Prioritization/Proj Development	60	0	0	0	0							60
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	10	0	0	0	0							10
10	Safety Png/Drug Control Png & Private Sector participation	0	0	0	0	0							0
11	Public Involvement/ Website/Social media & interactive mapping	20	0	5	5	10							40
12	Special Studies & State/Regional Coordination	30	0	10	10	30							80
13	MPO Management and Operations	200	0	20	30	10							260
<b>Totals</b>		520	30	55	65	120							790
<b>% Hours Devoted to UPWP Planning</b>		27.37%	1.58%	2.69%	3.42%	6.32%							



Durham County FHWA - Table 1		Durham County Staff Hours										Tot Staff	
No.	Task/Project	Trans. Pl.--	Laura	Hannah	Scott	Lisa	Kathryn	Staff	Staff	Staff	Staff	Staff	Hours
1	Data Collection & Monitoring/Surveillance	0	30	0	0	0	25						55
2	Travel Model Updates & Survey Activities (including base year, intermediate years and Horizon model data)	0	0	0	0	0	0						0
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	215	150	700	0	100	0						1165
4	Congestion Management Process - CMP	0	0	0	0	0	0						0
5	Air Quality Planning & Conformity	0	0	0	0	0	0						0
6	Short Range Transit Planning / TDP UPWP & Fiscal/Grant	0	0	0	0	0	0						0
7	Management/oversight & Audit TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj. Development	30	0	0	0	0	0						30
8	Title VI & Environmental Justice/Limited English Proficiency/ Minority Bus & Ping for Elderly	0	0	0	0	0	0						0
9	Safety Ping/Drug Control Ping & Private Sector participation	0	0	0	0	0	0						0
10		0	0	0	0	0	0						0
11	Public involvement/ Website/Social media & interactive mapping	0	0	0	0	0	0						0
12	Special Studies & State/Regional Coordination	65	40	150	10	0	0						265
13	MPO Management and Operations	30	40	0	36	0	0						106
<b>Totals</b>		340	260	850	46	100							1,621
<b>% Hours Devoted to MPO Planning</b>		17.80%	13.66%	44.74%	2.42%	5.26%							

Durham County FHWA- Table 2		Durham County - Percent Staff Hours Distribution by UPWP Tasks											Tot Staff Hours			
No.	Task/Project	Trans. Pl.--	Laura	Hannah	Scott	Lisa	Kathryn	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Hours
1	Data Collection & Monitoring/Surveillance	0.0%		0.0%	0.0%	0.0%										3.4%
2	Travel Model Updates & Survey Activities (including base year, intermiate years and Horizon model data)	0.0%		0.0%	0.0%	0.0%										0.0%
3	Long Range Planning & MTR/CTP/Collector Street Planning/TDM	63.2%		82.4%	0.0%	100.0%										71.9%
4	Congestion Management Process - CMP	0.0%		0.0%	0.0%	0.0%										0.0%
5	Air Quality Planning & Conformity	0.0%		0.0%	0.0%	0.0%										0.0%
6	Short Range Transit Planning / TDP UPWP & Fiscal/Grant	0.0%		0.0%	0.0%	0.0%										0.0%
7	Mangement/oversight & Audit TIP/SPOT/Mobility Funds/ Loop	8.8%		0.0%	0.0%	0.0%										1.9%
8	Prioritization/Proj Development Title VI & Environmental Justice/ Limited English Proficiency/ Minority	0.0%		0.0%	0.0%	0.0%										0.0%
9	Bus & Ping for Elderly Safety Ping/Drug Control Ping &	0.0%		0.0%	0.0%	0.0%										0.0%
10	Private Sector participation	0.0%		0.0%	0.0%	0.0%										0.0%
11	Public involvement/ Website/Social media & interactive mapping	0.0%		0.0%	0.0%	0.0%										0.0%
12	Special Studies & State/Regional Coordination	19.1%		17.6%	21.7%	0.0%										16.3%
13	MPO Management and Operations	8.9%		0.0%	76.3%	0.0%										6.5%
Totals		100.0%		100.0%	100.0%	100.0%										100.0%

Orange County FHWA - Table 1												
No.	Task/Project	Orange County Staff Hours										Tot Staff Hours
		Trans. Pl. --	Trans. Pl. --	Trans. Pl. --	New position	Intern1	Intern2	Staff	Staff	Staff	Staff	
1	Data Collection & Monitoring/Surveillance	135	60	40	0	0	0					235
2	Travel Model Updates & Survey Activities (including base year, intermediate years and horizon model data)	80	0	40	0	0	0					120
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	80	0	40	0	0	0					120
4	Congestion Management Process - CMP	0	0	0	0	0	0					0
5	Air Quality Planning & Conformity	0	0	0	0	0	0					0
6	Short Range Transit Planning / TDP UPWP & Fiscal/Grant	80	0	60	0	0	0					140
7	Management/oversight & Audit	40	0	10	0	0	0					50
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	80	0	15	0	0	0					95
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	0	0	0	0	0	0					0
10	Safety Ping/Drug Control Ping & Private Sector participation	0	0	0	0	0	0					0
11	Public involvement/ Website/Social media & interactive mapping	0	0	0	0	0	0					0
12	Special Studies & State/Regional Coordination	75	5	25	0	0	0					105
13	MPO Management and Operations	300	0	200	0	0	0					500
<b>Totals</b>		870	65	430	0	0	0					1,365
% Hours Devoted to MPO Planning		45.79%	3.42%	22.65%	0.00%	0.00%	0.00%					

Orange County FHWA- Table 2																					
No.	Task/Project	Orange County - Percent Staff Hours Distribution by UPWP Tasks										Tot Staff Hours									
		Trans. Pl. --	Trans. Pl. --	Trans. Pl. --	New position	Intern1	Intern2	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Tot Staff Hours		
1	Data Collection & Monitoring/Surveillance	15.5%	92.3%	9.3%	#DIV/0!	#DIV/0!														17.2%	
2	Travel Model Updates & Survey Activities (including base year, intermediate years and horizon model data)	9.2%	0.0%	9.3%	#DIV/0!	#DIV/0!															8.8%
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	9.2%	0.0%	9.3%	#DIV/0!	#DIV/0!															8.8%
4	Congestion Management Process - CMP	0.0%	0.0%	0.0%	#DIV/0!	#DIV/0!															0.0%
5	Air Quality Planning & Conformity	0.0%	0.0%	0.0%	#DIV/0!	#DIV/0!															0.0%
6	Short Range Transit Planning / TDP UPWP & Fiscal/Grant	9.2%	0.0%	14.0%	#DIV/0!	#DIV/0!															10.3%
7	Management/oversight & Audit	4.6%	0.0%	2.3%	#DIV/0!	#DIV/0!															3.7%
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	9.2%	0.0%	3.5%	#DIV/0!	#DIV/0!															7.0%
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	0.0%	0.0%	0.0%	#DIV/0!	#DIV/0!															0.0%
10	Safety Ping/Drug Control Ping & Private Sector participation	0.0%	0.0%	0.0%	#DIV/0!	#DIV/0!															0.0%
11	Public Involvement/ Website/Social media & interactive mapping	0.0%	0.0%	0.0%	#DIV/0!	#DIV/0!															0.0%
12	Special Studies & State/Regional	8.6%	7.7%	5.8%	#DIV/0!	#DIV/0!															7.7%
13	MPO Management and Operations	34.5%	0.0%	46.5%	#DIV/0!	#DIV/0!															36.6%
<b>Totals</b>		100.0%	100.0%	100.0%	#DIV/0!	#DIV/0!															100.0%



City of Durham FHWA- Table 2		City of Durham - Percent Staff Hours Distribution by UPWP Tasks											
No.	Task/Project	Trans. Pl. -	Intern	Trans. Pl. -	Trans. Pl. -	Intern1	Intern2	Staff	Staff	Staff	Staff	Staff	Tot Staff Hours
1	Data Collection & Monitoring/Surveillance	2.5%											2.5%
2	Travel Model Updates & Survey Activities (including base year, intermediate years and Horizon model data)	0.0%											0.0%
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	28.6%											28.6%
4	Congestion Management Process - CMP	0.0%											0.0%
5	Air Quality Planning & Conformity	0.0%											0.0%
6	Short Range Transit Planning / TDP UPWP & Fiscal/Grant	0.0%											0.0%
7	Management/oversight & Audit TIP/SPOT/Mobility Funds/ Loop	3.6%											3.6%
8	Prioritization/Proj Development Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	35.8%											35.8%
9	Safety Ping/Drug Control Ping & Private Sector participation	6.3%											6.3%
10	Public Involvement/ Website/Social media & interactive mapping	0.0%											0.0%
11	Special Studies & State/Regional Coordination	4.3%											4.3%
12	MPO Management and Operations	4.6%											4.6%
13		14.2%											14.2%
<b>Totals</b>		100.0%											100.0%



TICOG FHWA- Table 2		TICOG - Percent Staff Hours Distribution by UPWP Tasks													
No.	Task/Project	John	GIS	Trans. PI-- Principal	TP-II	TP-II	TP-II	TP-II	Staff	Staff	Staff	Staff	Staff	Staff	Tot Staff Hours
1	Data Collection & Monitoring/Surveillance	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
2	Travel Model Updates & Survey Activities (Including base year, intermediate years and Horizon model data)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
4	Congestion Management Process - CMP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
5	Air Quality Planning & Conformity	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
6	Short Range Transit Planning / TDP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
7	UPWP & Fiscal/Grant Management/oversight & Audit	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
10	Safety Ping/Drug Control Ping & Private Sector participation	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
11	Public Involvement/ Website/Social media & interactive mapping	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
12	Special Studies & State/Regional Coordination	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%							100.0%
13	MPO Management and Operations	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%							0.0%
	Totals	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0	0	0	0	0	0	100.0%

DATA : FTA 5307 Table 1		DATA : FTA 5307 Staff Hours												
No.	Task/Project	Trans. Pl. --	Fiscal - Angella	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Tot Staff Hours
1	Data Collection & Monitoring/Surveillance	335	0											335
2	Activities (including base year, Long Range Planning & MTP/CTP/Collector Street Planning/TDM)	0	0											0
3	Collector Street Planning/TDM	0	1520											1520
4	CMP	0	0											0
5	Air Quality Planning & Conformity	0	0											0
6	Short Range Transit Planning / TDP	0	0											0
7	Management/Oversight & Audit	0	0											0
8	Prioritization/Proj Development Title VI & Environmental Justice/	0	0											0
9	Limited English Proficiency/ Minority	0	0											0
10	Private Sector participation	0	0											0
11	media & interactive mapping special studies & state/regional	0	0											0
12	Coordination	0	0											0
13	MPO Management and Operations	0	380											380
<b>Totals</b>		335	1900											2,235
<b>% Hours Devoted to UPWP Planning</b>		17.65%	100.00%											



DATA : FTA 5303 Table 1													DATA 5303 Staff Hours						
No.	Task/Project	Trans. Pl. --		Fiscal - Angella		Trans. Pl. --		Staff		Staff		Staff		Staff		Tot Staff Hours			
1	Monitoring/Surveillance Data Collection & Travel Model Updates & Survey Activities (including base year, intermediate years and horizon model data)	1565																1565	
2	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	0																0	
3	Congestion Management Process - CMP	0																0	
4	Air Quality Planning & Conformity	0																0	
5	Short Range Transit Planning / TDP	0																0	
6	UPWP & Fiscal/Grant Management/oversight & Audit	0																0	
7	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	0																0	
8	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	0																0	
9	Safety Ping/Drug Control Ping & Private Sector participation	0																0	
10	Public Involvement/ Website/Social media & interactive mapping	0																0	
11	Special Studies & State/Regional Coordination	0																0	
12	MPO Management and Operations	0																0	
<b>Totals</b>		1565																1565	
<b>% Hours Devoted to UPWP Planning</b>		82.35%																	

DATA : FTA 5303- Table 2		DATA - Percent Staff Hours Distribution by UPWP Tasks										Tot Staff Hours				
No.	Task/Project Data Collection & Monitoring/Surveillance Travel Model Updates & Survey Activities (including base year, intermediate years and horizon model data)	Trans. Pl. --	Fiscal - Angella	Trans. PL. --	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Tot Staff Hours
1		100.0%														100.0%
2		0.0%														0.0%
3		0.0%														0.0%
4		0.0%														0.0%
5		0.0%														0.0%
6		0.0%														0.0%
7		0.0%														0.0%
8		0.0%														0.0%
9		0.0%														0.0%
10		0.0%														0.0%
11		0.0%														0.0%
12		0.0%														0.0%
13		0.0%														0.0%
	<b>Totals</b>	100.0%														100.0%

Chapel Hill : FTA 5303 - Table 1		Town of Chapel Hill Staff Hours													
No.	Task/Project	Trans. Pl. -- Bonk	Trans. Pl. -- Davis	Staff - Move	GIS Analyst Cecil	New	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Tot Staff Hours
1	Data Collection & Monitoring/Surveillance	50	400	0	800	300									1550
2	Travel Model Updates & Survey Activities (including base year, intermediate years and Horizon model data)	0	0	0	0	0									0
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	200	1000	0	0	0									1200
4	Congestion Management Process - CMP	25	0	0	0	0									25
5	Air Quality Planning & Conformity	0	0	0	0	0									0
6	Short Range Transit Planning / TDP UPWP & Fiscal/Grant	0	0	0	299	0									299
7	Management/oversight & Audit	0	0	0	0	0									0
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	0	0	0	0	0									0
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly Safety Ping/Drug Control Png & Private Sector participation	0	0	0	0	0									0
10															0
11	Public Involvement/ Website/Social media & interactive mapping	0	0	0	0	0									0
12	Special Studies & State/Regional Coordination	205	300	0	0	160									665
13	MPO Management and Operations	185	200	133	0	300									818
	<b>Totals</b>	665	1900	133	1099	760									4,567
	<b>% Hours Devoted to MPO Planning</b>	35.00%	100.00%	7.00%	57.84%	40.00%									

Chapel Hill - FTA 5303- Table 2		Town of Chapel Hill - Percent Staff Hours Distribution by UPWP Tasks												
No.	Task/Project	Trans. PI. -- Bonk	Trans. PI. -- Davis	Staff - Moye	GIS Analyst Cecil	New	Staff	Staff	Staff	Staff	Staff	Staff	Staff	Tot Staff Hours
1	Data Collection & Monitoring/Surveillance	7.5%	21.1%	0.0%	72.8%	39.5%								34.0%
2	Travel Model Updates & Survey Activities (including base year, intermediate years and horizon model data)	0.0%	0.0%	0.0%	0.0%	0.0%								0.0%
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	30.1%	52.8%	0.0%	0.0%	0.0%								26.3%
4	Congestion Management Process - CMP	3.8%	0.0%	0.0%	0.0%	0.0%								0.5%
5	Air Quality Planning & Conformity	0.0%	0.0%	0.0%	0.0%	0.0%								0.0%
6	Short Range Transit Planning / TDP	0.0%	0.0%	0.0%	27.2%	0.0%								6.6%
7	UPWP & Fiscal/Grant Management/Oversight & Audit	0.0%	0.0%	0.0%	0.0%	0.0%								0.0%
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	0.0%	0.0%	0.0%	0.0%	0.0%								0.0%
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	0.0%	0.0%	0.0%	0.0%	0.0%								0.0%
10	Safety Ping/Drug Control Ping & Private Sector participation	0.0%	0.0%	0.0%	0.0%	0.0%								0.0%
11	Public Involvement/ Website/Social media & interactive mapping	0.0%	0.0%	0.0%	0.0%	0.0%								0.0%
12	Special Studies & State/Regional Coordination	30.8%	15.8%	0.0%	0.0%	21.1%								14.6%
13	MPO Management and Operations	27.8%	10.5%	100.0%	0.0%	39.5%								18.0%
	<b>Totals</b>	100.0%	100.0%	100.0%	100.0%	100.0%								100.0%



Chapel Hill FTA 5307- Table 2		Town of Chapel Hill - Percent Staff Hours Distribution by UPWP Tasks														
No.	Task/Project	Director Litchfield	Admin Surv Mgr DePietro	Grant Manager C. Cole	Budget Mgr Shreve	Operation Mgr Pittman	Customer Svc Mgr Hackney	Transit Planner Vega	Safety Mgr Butler	Grants Coord Murdock	Secretary Sherman	GIS Coord Cecll	Operation Supvr	Operatio n Supvr	Tot Staff Hours	
1	Monitoring/Surveillance Data Collection & Travel Model Updates & Survey Activities (including base year, intermediate years and Horizon model data)	17.8%	0.0%	0.0%	0.0%	0.0%	0.0%	35%	0%	0%	0%	100%	#DIV/0!	46%	34.8%	
2	Long Range Planning & MTP/CTP/ Collector Street Planning/TDM	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0%	0%	0%	0%	0%	#DIV/0!	0%	0.0%	
3	Congestion Management Process - CMP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0%	0%	0%	0%	0%	#DIV/0!	0%	0.0%	
4	Air Quality Planning & Conformity	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0%	0%	0%	0%	0%	#DIV/0!	0%	0.0%	
5	Short Range Transit Planning / TDP	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	55%	0%	0%	0%	0%	#DIV/0!	0%	0.0%	
6	UPWP & Fiscal/Grant	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0%	0%	0%	0%	0%	#DIV/0!	0%	6.0%	
7	Management/oversight & Audit	0.0%	0.0%	7.5%	0.0%	0.0%	0.0%	0%	0%	15%	0%	0%	#DIV/0!	0%	2.4%	
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	0.0%	0.0%	7.5%	0.0%	0.0%	0.0%	0%	0%	15%	0%	0%	#DIV/0!	0%	2.4%	
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	4.3%	0.0%	8.7%	0.0%	0.0%	0.0%	0%	0%	0%	0%	0%	#DIV/0!	54%	13.1%	
10	Safety Ping/Drug Control Ping & Private Sector participation	0.0%	25.0%	0.0%	0.0%	0.0%	0.0%	0%	100%	0%	0%	0%	#DIV/0!	0%	2.0%	
11	Public Involvement/ Website/Social media & interactive mapping	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0%	0%	0%	100%	0%	#DIV/0!	0%	2.7%	
12	Special Studies & State/Regional Coordination	30.6%	0.0%	0.0%	0.0%	0.0%	0.0%	10%	0%	0%	0%	0%	#DIV/0!	0%	5.9%	
13	MPO Management and Operations	47.4%	75.0%	76.3%	100.0%	100.0%	100.0%	0%	0%	69%	0%	0%	#DIV/0!	0%	30.7%	
<b>Totals</b>		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	#DIV/0!	100.0%	100.0%	

FY 2014-2015 UPWP - Resource Allocation  
Summary of LPA Staff Hours and Total Funding

Table T-1 : Transit Agencies FTA Planning Funds

No.	Task/Project	FTA 5303 Funding			FTA 5307 Funding			Total 5307	Total 5303 & 5307
		CHT	DATA	total 5303	CHT	DATA	TTA		
1	Data Collection & Monitoring/Surveillance	1,550	1,565	3,115	940	52,784	0	53,724	56,839
2	Travel Model Updates & Survey Activities (including base year, intermediate years and horizon model data)	0	0	0	0	0	0	0	0
3	Long Range Planning & MTP/CTP/Collector Street Planning/TDM	1,200	0	1,200	0	107,540	0	107,540	108,740
4	Congestion Management Process - CMP	25	0	25	0	0	0	0	25
5	Air Quality Planning & Conformity	0	0	0	0	0	0	0	0
6	Short Range Transit Planning / TDP	299	0	299	163	100,578	0	100,741	101,040
7	UPWP & Fiscal/Grant Management/oversight & Audit	0	0	0	65	0	0	65	65
8	TIP/SPOT/Mobility Funds/ Loop Prioritization/Proj Development	0	0	0	65	9,689	0	9,754	9,754
9	Title VI & Environmental Justice/ Limited English Proficiency/ Minority Bus & Ping for Elderly	0	0	0	353	3,504	0	3,857	3,857
10	Safety Ping/Drug Control Ping & Private Sector participation	0	0	0	55	0	0	55	55
11	Public Involvement/ Website/Social media & interactive mapping	0	0	0	74	9,368	0	9,442	9,442
12	Special Studies & State/Regional Coordination	665	0	665	159	0	0	159	824
13	MPO Management and Operations	818	0	818	829	22,881	0	23,710	24,528
<b>Totals</b>		<b>\$4,557</b>	<b>\$1,565</b>	<b>\$6,122</b>	<b>\$2,703</b>	<b>\$306,344</b>	<b>\$0</b>	<b>\$309,047</b>	<b>\$315,169</b>



## **X. Overview of MAP-21 Metropolitan Planning Requirements**

### Performance Measure/Targets

(A) In general — The DCHC metropolitan transportation planning process shall provide for the establishment and use of a performance-based approach to transportation decision-making to support the national goals described in section 150(b) of title 23 and the general purposes described in section 5301.

(B) Performance targets — The DCHC MPO is required to establish performance targets that address the performance measures described in section 150(c) of title 23, where applicable, to use in tracking progress towards attainment of critical outcomes for the region of the metropolitan planning organization.

1. Selection of performance targets by the DCHC MPO shall be coordinated with NCDOT to ensure consistency, to the maximum extent practicable.
2. Public transportation performance targets — Selection of performance targets by the DCHC MPO shall be coordinated, to the maximum extent practicable, with providers of public transportation to ensure consistency with sections 5326(c) and 5329(d).

(C) Timing — The DCHC MPO is required to establish the performance targets under subparagraph (B) not later than 180 days after the date on which NCDOT establishes or the MPO transit providers establish the performance targets.

(D) Integration of other performance-based plans — The DCHC MPO is required to integrate in its metropolitan transportation planning process, directly or by reference, the goals, objectives, performance measures, and targets described in the NCDOT transportation plans and transportation processes, as well as any plans developed by recipients of assistance under this chapter, required as part of a performance-based program.

(E) System performance report — A system performance report and subsequent updates evaluating the condition and performance of the transportation system with respect to the performance targets

1. Progress achieved by the DCHC MPO in meeting the performance targets in comparison with system performance recorded in previous reports; and
2. For metropolitan planning organizations that voluntarily elect to develop multiple scenarios, an analysis of how the preferred scenario has improved the conditions and performance of the transportation system and how changes in local policies and investments have impacted the costs necessary to achieve the identified performance targets.

(F) Align MPO performance management and targets with State and national performance management.

(G) National Performance goals:

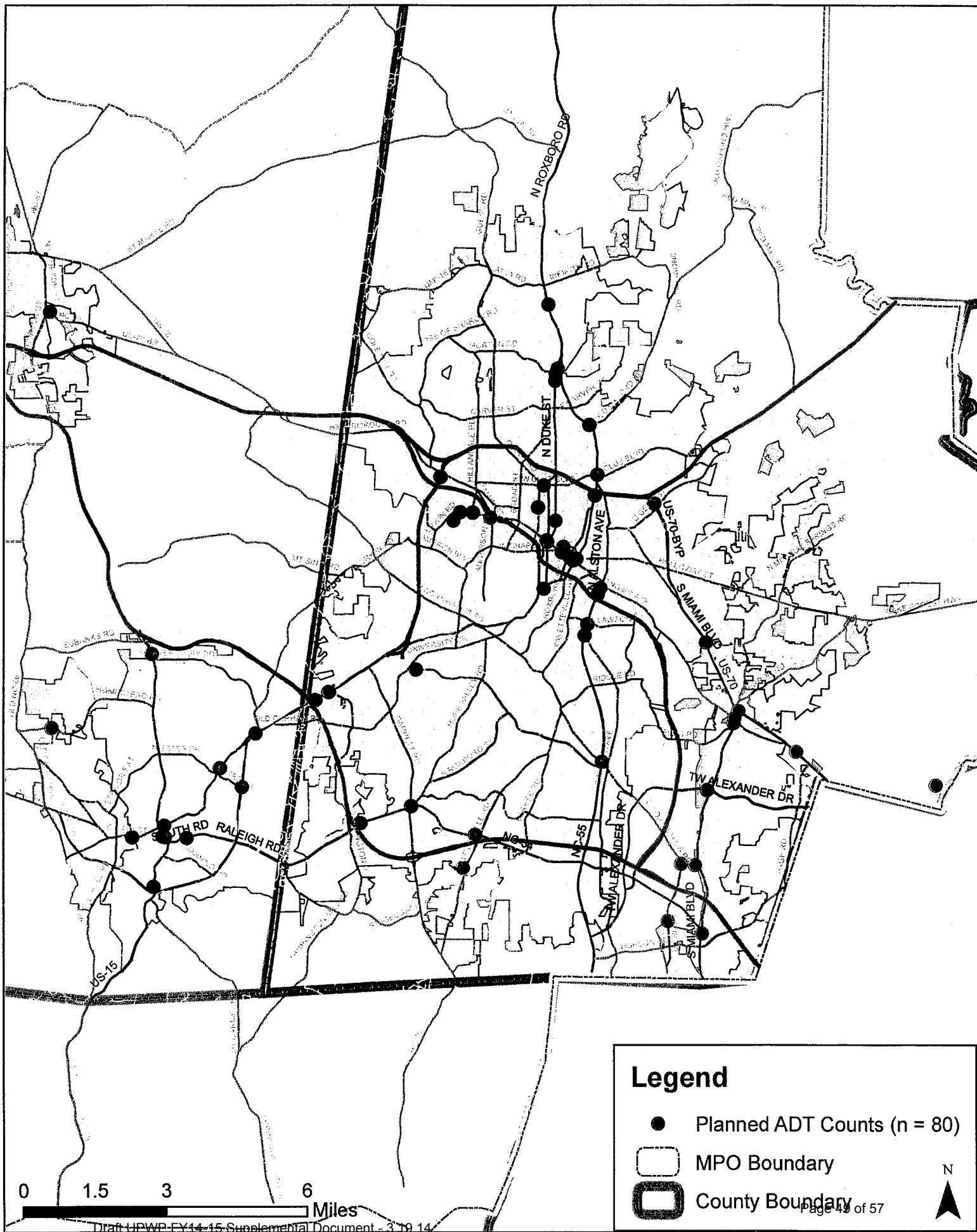
1. Safety (new safety requirements for all FTA recipients)
2. State of good repair –infrastructure condition
3. Congestion reduction
4. System reliability
5. Freight movement & economic vitality
6. Environmental sustainability
7. Project delivery

(H) Optional Scenario Development:

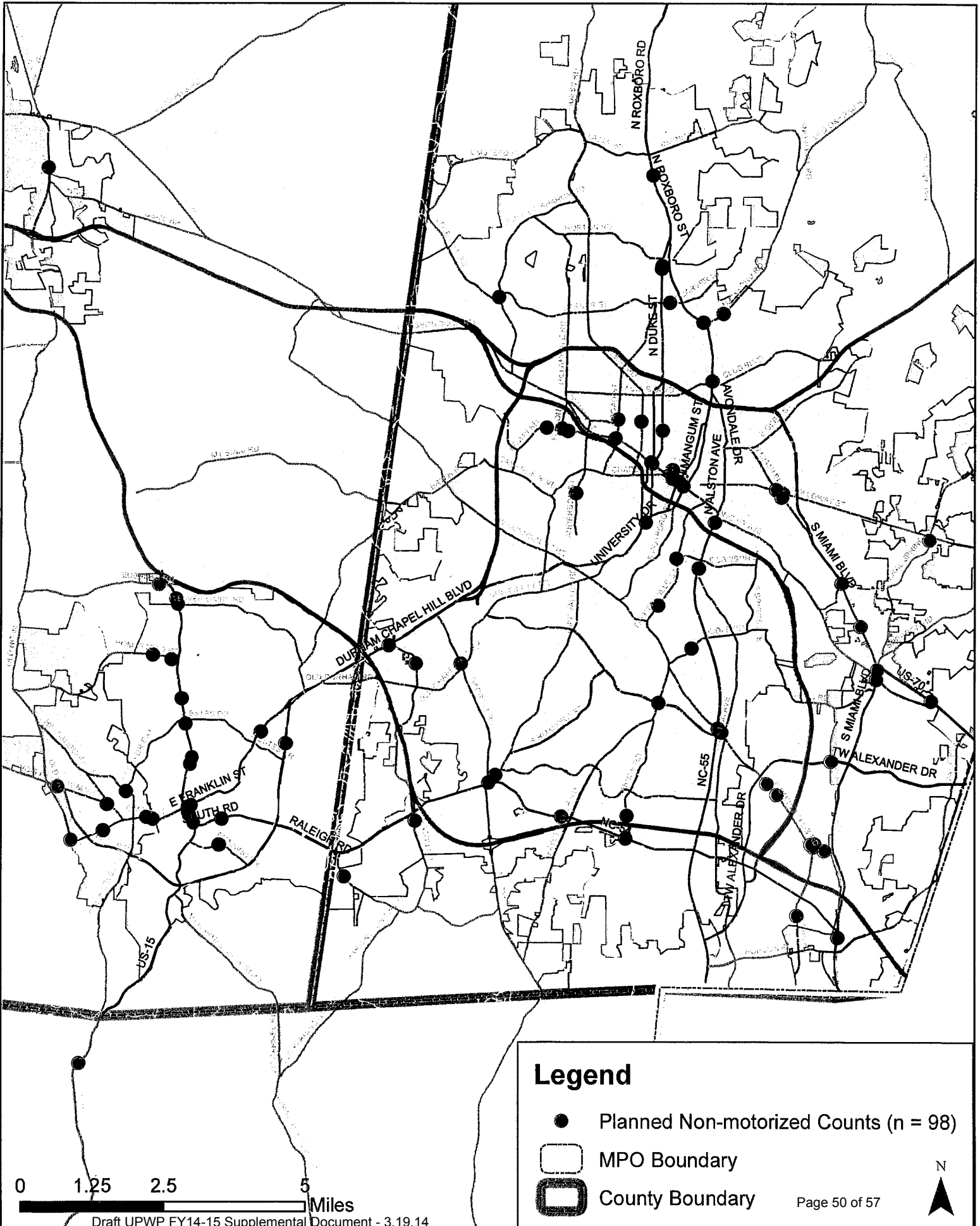
1. In general — A metropolitan planning organization may, while fitting the needs and complexity of its community, voluntarily elect to develop multiple scenarios for consideration as part of the development of the metropolitan transportation plan, in accordance with subparagraph (B).
2. Recommended components — A metropolitan planning organization that chooses to develop multiple scenarios under subparagraph (A) shall be encouraged to consider—
  - (i) potential regional investment strategies for the planning horizon;
  - (ii) assumed distribution of population and employment; (iii) a scenario that, to the maximum extent practicable, maintains baseline conditions for the performance measures identified in subsection (h)(2);
  - (iii) a scenario that improves the baseline conditions for as many of the performance measures identified in subsection (h)(2) as possible;
  - (iv) estimated costs and potential revenues available to support each scenario.
3. Metrics — In addition to the performance measures identified in section 150(c) of title 23, metropolitan planning organizations may evaluate scenarios developed under this paragraph using locally-developed measures.

# Appendices

# FY2015 Data Collection Plan (ADT)



# FY2015 Data Collection Plan (Nonmotorized)

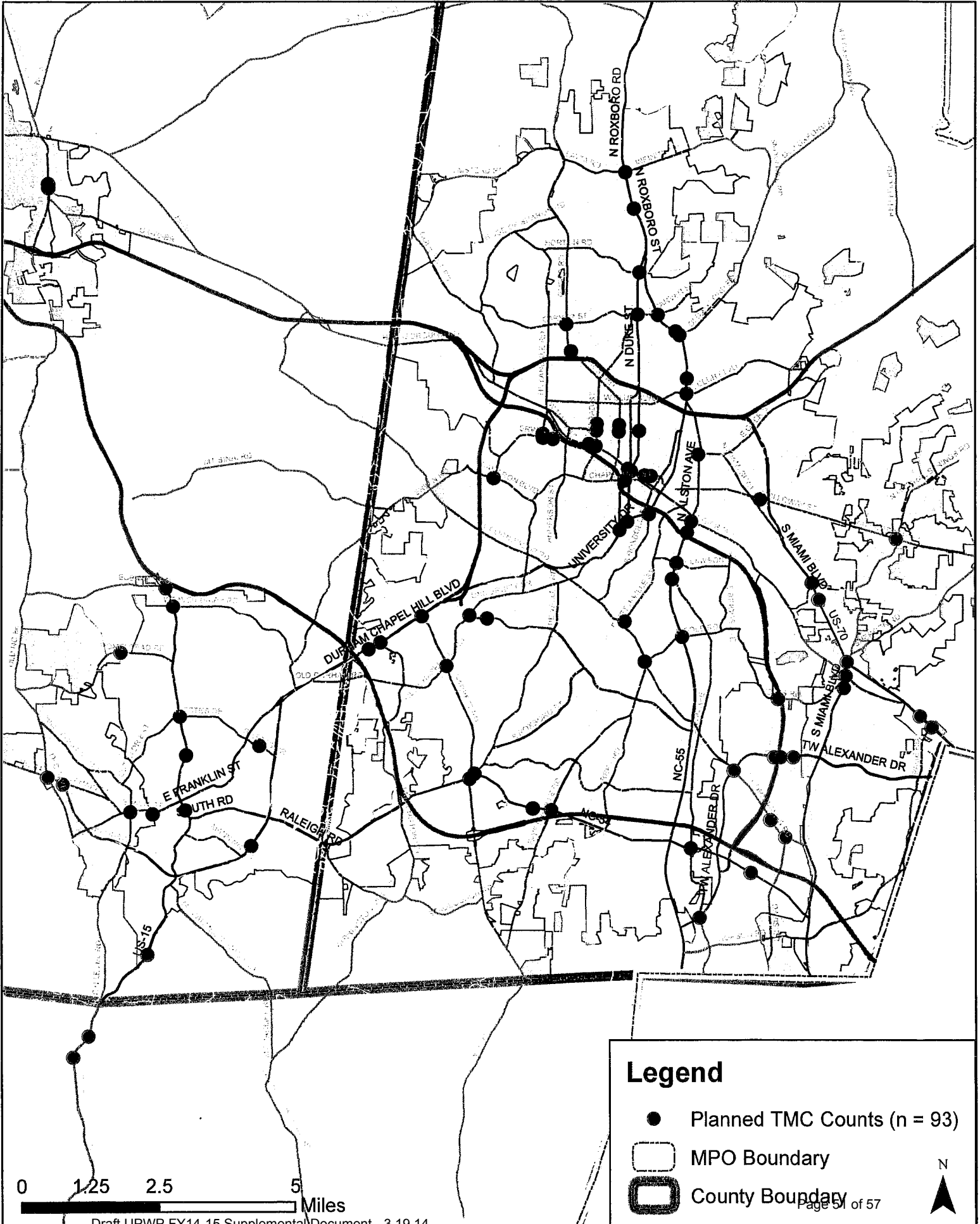


## Legend

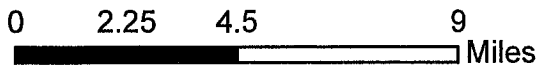
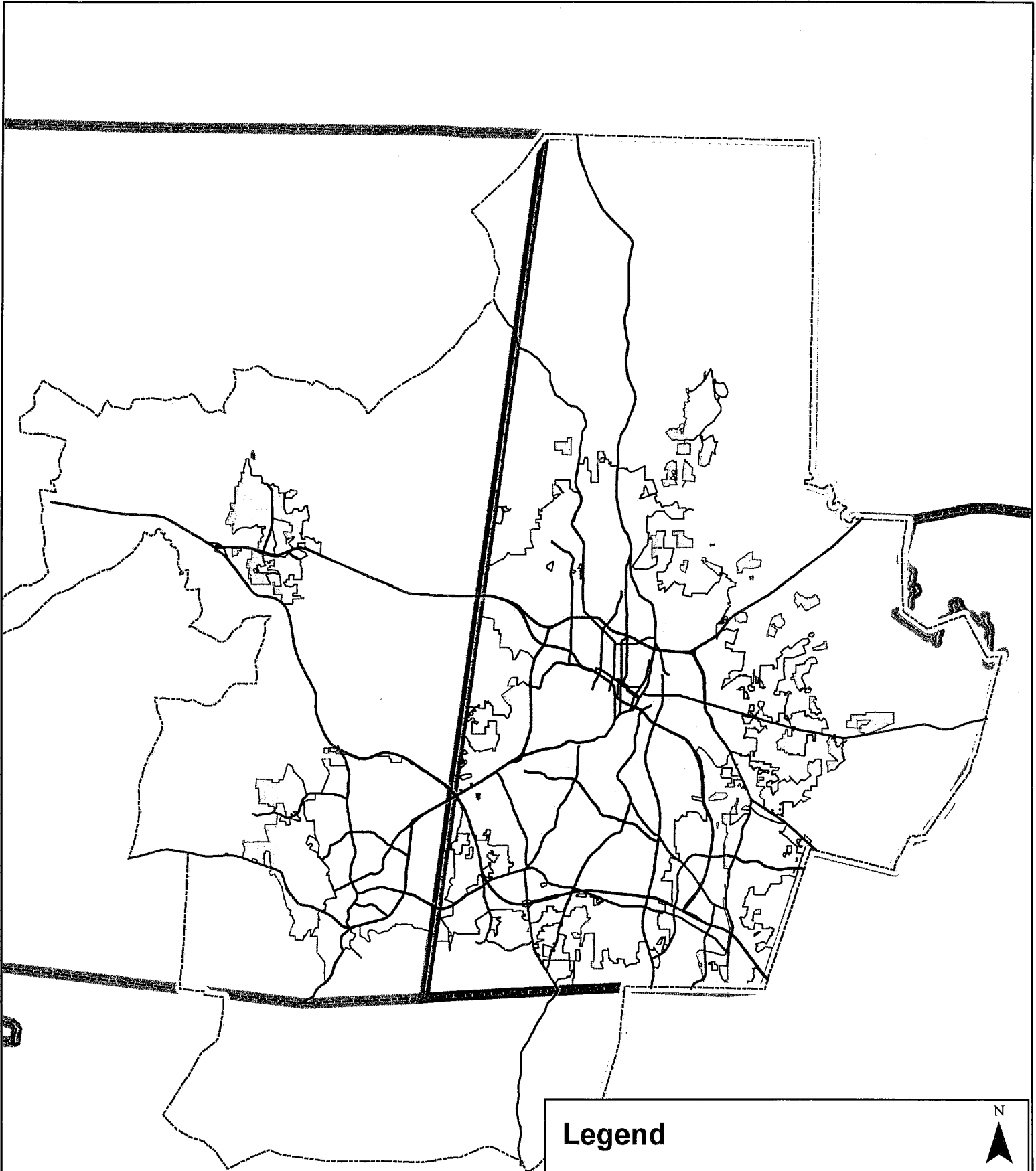
- Planned Non-motorized Counts (n = 98)
- ▭ MPO Boundary
- ▭ County Boundary

0 1.25 2.5 5 Miles




# FY2015 Data Collection Plan (TMC)



# FY2015 Data Collection Plan (Travel Time)

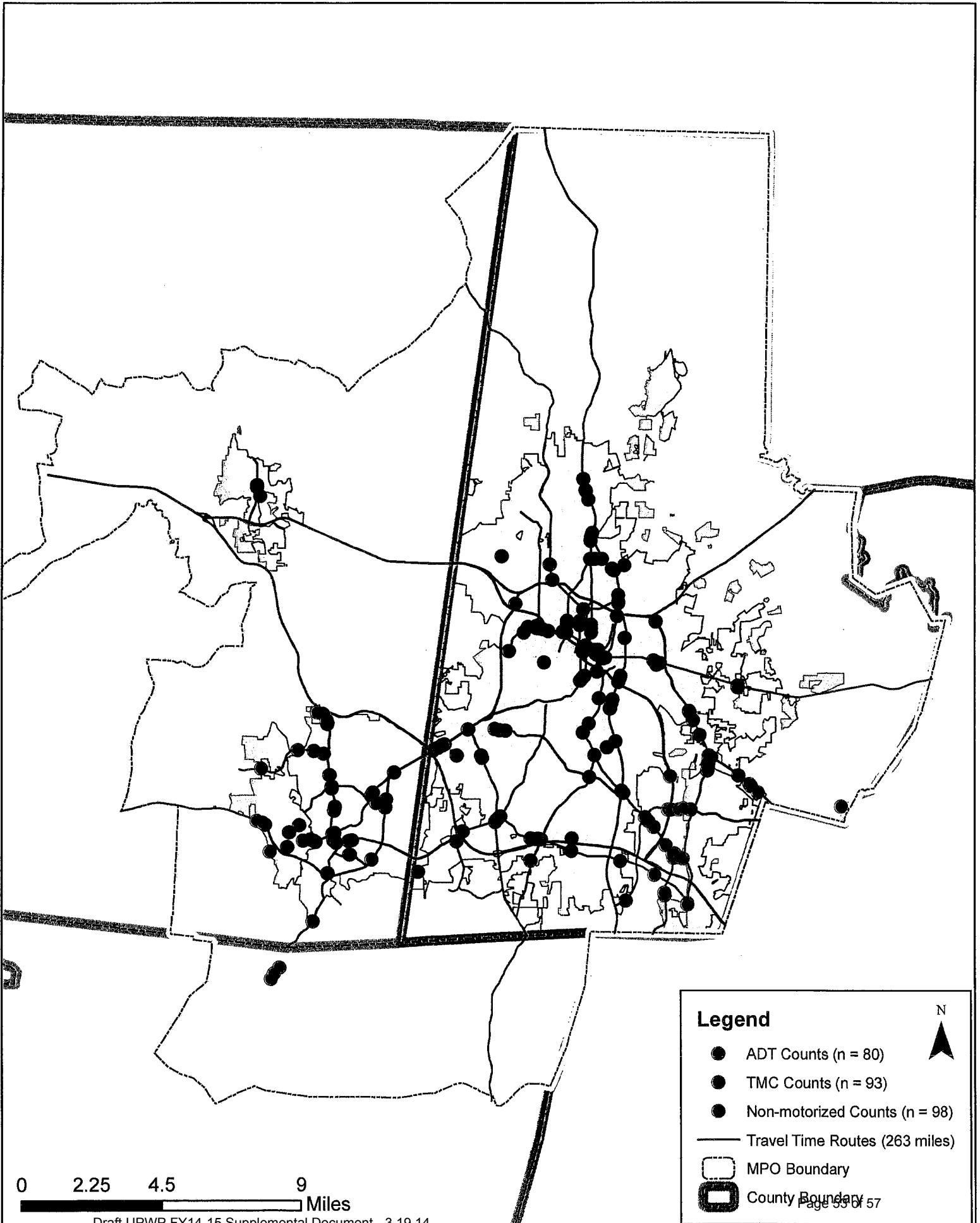


## Legend

-  Planned Travel Time Routes (263 miles)
-  MPO Boundary
-  County Boundary



# FY2015 Data Collection Plan





## MPO

### Title VI Review Questions & Requested Items

**Instructions:** Answer each *Yes* or *No* question and indicate if the requested information is attached with an "X" mark. Please attach electronic documents and number each attachment to match the question. Use your tab button to move between the questions and your space bar to check the appropriate box. Please save as a PDF before returning.

1. Does the MPO have an <i>active</i> Title VI Nondiscrimination Program?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, please attach any records or reports you consider sufficient to demonstrate that the program is being implemented.	Attached <input type="checkbox"/>
2. Does the MPO disseminate any information or documents throughout its organization and publicly, including information pertaining to the Title VI program?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, please attach a list of what you distribute <i>internally</i> and <i>externally</i> .	Attached <input type="checkbox"/>
• Has the MPO translated any documents into languages other than English?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, attach a list of documents you have translated and samples of translated materials.	Attached <input type="checkbox"/>
3. Identify the MPO's Title VI Coordinator ( <i>Civil Rights Officer</i> ) by name and title:	
• Are Title VI duties included in the Coordinator's <i>primary</i> job description?	YES <input type="checkbox"/> NO <input type="checkbox"/>
• Has the Coordinator or officer been given the authority to effectively administer your Title VI Program?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o Please attach a copy of your organizational chart.	Attached <input type="checkbox"/>
4. Does the MPO have an <i>approved</i> Language Assistance Plan or procedures for persons with Limited English Proficiency (LEP)?	YES <input type="checkbox"/> NO <input type="checkbox"/>
• Does the MPO conduct four-factor analyses, as required by USDOT LEP guidelines?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, please attach a copy of your plan or procedures <b>and</b> a copy of a four-factor analysis you have conducted, if one isn't including in your Plan.	Attached <input type="checkbox"/>
5. Does the MPO ensure that decision-making and programs are sensitive to the needs of minorities and other traditionally underserved populations ( <i>e.g., minorities, disabled, low-income, elderly, children, LEP</i> )?	YES <input type="checkbox"/> NO <input type="checkbox"/>
6. Does the MPO utilize appointed groups such as planning commissions or Citizens Advisory Committees?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, attach a list of each of your appointed groups, including the name, race/ethnicity and gender of each current member ( <i>e.g., John Doe, B/M; Jane Doe, H/F, etc.</i> ), and their affiliations ( <i>e.g., Hispanic Chamber of Commerce, NAACP, private organizations</i> ).	Attached <input type="checkbox"/>
7. Does the MPO have internal discussions or meetings about your nondiscrimination program or obligations?	YES <input type="checkbox"/> NO <input type="checkbox"/>
• If requested onsite, could evidence be provided to verify this?	YES <input type="checkbox"/> NO <input type="checkbox"/>
8. Does the MPO ever seek guidance from external agencies like NCDOT, FHWA and FTA, regarding your obligations?	YES <input type="checkbox"/> NO <input type="checkbox"/>
9. In general, are you satisfied with the number of people (members of the general public) who shows up at your public meetings?	YES <input type="checkbox"/> NO <input type="checkbox"/>

FFY 2013 Title VI Review

10. Does the MPO's Public Involvement Plan include information and procedures on: <ul style="list-style-type: none"> <li>• How to reach traditionally underserved populations (<i>e.g., minorities, disabled, low-income, elderly, children, LEP</i>)?</li> <li>• How to ensure that members of the public understand the rights afforded to them under Title VI and other nondiscrimination authorities?</li> </ul>	YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
11. Has the Title VI Coordinator received any civil rights training in the last <i>three</i> years? <ul style="list-style-type: none"> <li>• Does the MPO provide civil rights training to its staff, sub-recipients, or contractors?</li> <li>• Does the MPO have a civil rights training plan or schedule?</li> </ul>	YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
12. Does the MPO consider and incorporate the needs of persons with disabilities in: <ul style="list-style-type: none"> <li>• Planning</li> <li>• Programming</li> <li>• Facilities</li> </ul>	YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
13. Does the MPO provide reasonable accommodations to disabled applicants, employees and participants of public meetings? <ul style="list-style-type: none"> <li>• Does the MPO have a process for notifying members of the public that meeting locations and formats are accessible to persons with disabilities?</li> </ul>	YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
14. Does the MPO or Lead Planning Agency have an ADA Transition Plan?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, attach a copy of your Transition Plan.	Attached <input type="checkbox"/>
15. Does the MPO collect and analyze data on participants and beneficiaries of its programs and services <i>for the purpose of monitoring</i> whether program funds are reaching traditionally underserved groups ( <i>e.g., minorities, disabled, low-income, elderly, children, LEP</i> )?	YES <input type="checkbox"/> NO <input type="checkbox"/>
16. Does the MPO monitor the work and activities of sub-recipients and contractors <i>for the purpose of determining</i> if they are in compliance with their nondiscrimination obligations? <ul style="list-style-type: none"> <li>• Does the MPO physically incorporate Title VI Assurances into all contracts and agreements?</li> <li>• Does the MPO maintain records and reports to validate its monitoring activities?</li> </ul>	YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, attach any records, reports or contracts that demonstrate your monitoring activities ( <i>e.g., meeting minutes, emails, compliance reviews</i> ).	Attached <input type="checkbox"/>
17. Does the MPO contract with women and minority owned businesses?	YES <input type="checkbox"/> NO <input type="checkbox"/>
18. To your knowledge, has the MPO received any discrimination complaints against itself or any of its member jurisdictions or contractors since in the last <i>three</i> years?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, please attach a copy of your complaints log.	Attached <input type="checkbox"/>
19. Does the MPO produce or submit reports to federal or state agencies regarding its Title VI compliance efforts?	YES <input type="checkbox"/> NO <input type="checkbox"/>

FFY 2013 Title VI Review



## TOWN OF CARRBORO

NORTH CAROLINA

WWW.TOWNOFCARRBORO.ORG

January 29, 2014

Mr. Felix Nwoko, PhD  
 Transportation Planning Manager  
 DCHC-MPO  
 101 City Hall Plaza, 4th Floor  
 Durham, NC 27701

Dear ~~Mr. Nwoko~~ <sup>Felix</sup>:

Based on a Board of Aldermen resolution on November 12, 2013, I am writing to request that the DCHC-MPO consider allocating planning funds to the Town of Carrboro as part of the FY14-15 Unified Planning Work Program for the development of a parking plan for Carrboro.

The Town is laying the groundwork for the parking plan, including preliminary discussions by the Board of Aldermen and interaction with businesses. The need for a parking plan stems from recent disagreements between business owners regarding the potential for shared parking spaces; differing points of view within the community about supply, demand, price, and effect on transportation mode choices and traffic in Carrboro's central business district; discussions about how best to enhance customer access to businesses and support a thriving downtown; the likelihood of changes in perimeter park-and-ride lot prices causing spillover in Carrboro municipal parking lots; and other factors.

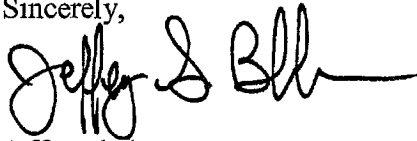
A parking plan would help address Goal 5 of the 2040 Metropolitan Transportation Plan, Integration of Land Use and Transportation, specifically Objectives 5c and 5e. It will help the Town identify implementation strategies that can lead to a more efficient transportation system.

Town staff recognize that, as this is a planning activity specifically benefitting the Town of Carrboro, the Town will likely need to identify the non-federal (20%) match in the

event the federal funds are available. The expected schedule for the parking plan development overlaps substantially with the FY14-15 UPWP period.

Thank you for any further assistance you could provide, and let me know if you need more information.

Sincerely,

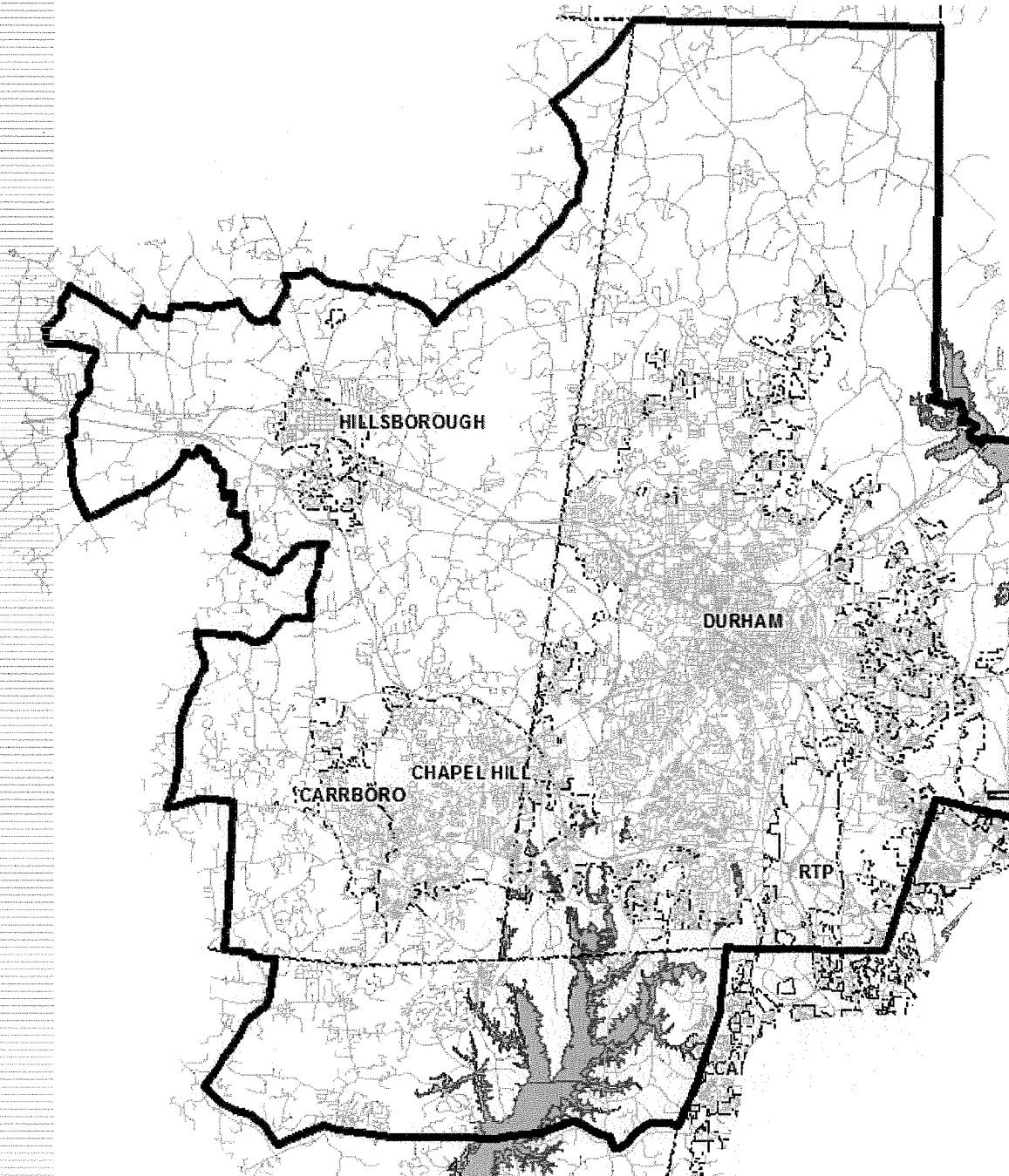
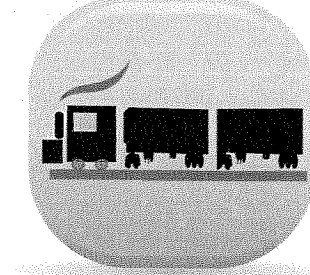
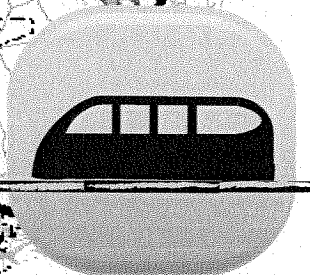
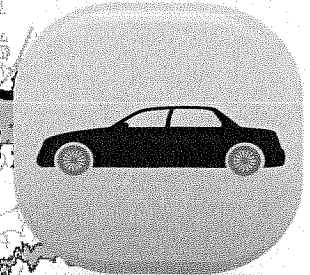
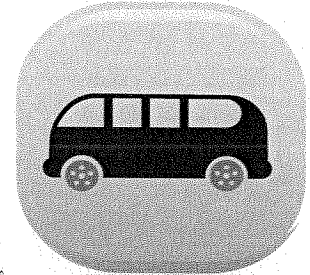
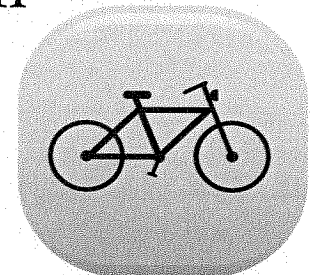
A handwritten signature in black ink, appearing to read "Jeff Brubaker", with a long horizontal flourish extending to the right.

Jeff Brubaker  
Transportation Planner  
Town of Carrboro

cc: Christina Moon, Planning Administrator  
Patricia McGuire, Planning Director  
David Andrews, Town Manager  
Arche McAdoo, Finance Director  
Annette Stone, Community and Economic Development Director

# DCHC- MPO

Durham-Chapel Hill-Carrboro  
Metropolitan Planning Organization  
Unified Planning Work Program  
FY 2014-2015 DRAFT





**Durham-Chapel Hill-Carrboro  
Metropolitan Planning Organization  
FY 2014-2015 Unified Planning Work Program**

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Durham-Chapel Hill-Carrboro  
Metropolitan Planning Organization (DCHC MPO)

**RESOLUTION**

Approving the FY 2014-2015 Unified Planning Work Program

May 14, 2014

A motion was made by TAC Member \_\_\_\_\_ and seconded by TAC 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 Durham-Chapel Hill-Carrboro Metropolitan Planning Organization; 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 Transportation Advisory Committee agree that the Unified Planning Work Program will effectively advance transportation planning for FY 2014-2015.

**Now, therefore, be it resolved that the Transportation Advisory Committee hereby endorses the *Durham-Chapel Hill-Carrboro Metropolitan Planning Organization FY 2014-2015 Unified Planning Work Program.***

I, Ellen Reckhow, TAC Chair, do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Durham-Chapel Hill-Carrboro Transportation Advisory Committee, duly held on the \_\_\_ day of \_\_\_\_\_, 2014

\_\_\_\_\_  
Ellen Reckhow, TAC Chair

Durham County, North Carolina

I certify that Ellen Reckhow personally appeared before me this day acknowledging to me that she signed the forgoing document.

Date: \_\_\_\_\_, 2014

\_\_\_\_\_  
Frederick Brian Rhodes, Notary Public  
My commission expires: May 10, 2015

Durham-Chapel Hill-Carrboro (DCHC)  
Metropolitan Planning Organization (MPO)

**RESOLUTION (PTD-FTA)**

Approving the FY 2014-2015 Unified Planning Work Program (UPWP) of the  
DCHC Urban Area/Metropolitan Planning Organization

May 14, 2014

A motion was made by TAC Member \_\_\_\_\_ and seconded by TAC  
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 Durham-Chapel Hill-Carrboro Metropolitan Planning Organization;  
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**, members of the Transportation Advisory Committee agree that the Unified Planning  
Work Program will effectively advance transportation planning for FY 2014-2015.

**Now therefore, be it resolved that the Transportation Advisory Committee hereby endorses  
the FY 2014-2015 Unified Planning Work Program for the Durham-Chapel Hill-Carrboro  
Metropolitan Planning Organization.**

I, Ellen Reckhow, Chair of the DCHC MPO Transportation Advisory Committee (TAC) do  
hereby certify that the above is a true and correct copy of an excerpt from the minutes of a  
meeting of the Durham-Chapel Hill-Carrboro Transportation Advisory Committee, duly held on  
the \_\_\_\_ day of \_\_\_\_\_, 2014.

\_\_\_\_\_  
Ellen Reckhow, TAC Chair

Durham County, North Carolina

I certify that Ellen Reckhow personally appeared before me this day acknowledging to me that she  
signed the forgoing document.

Date: \_\_\_\_\_, 2014

\_\_\_\_\_  
Frederick Brian Rhodes, Notary Public  
My commission expires: May 10, 2015

**RESOLUTION CONFIRMING TRANSPORTATION PLANNING PROCESS**

**RESOLUTION CERTIFYING THE DURHAM-CHAPEL HILL-CARRBORO (DCHC MPO) METROPOLITAN PLANNING ORGANIZATION'S TRANSPORTATION PLANNING PROCESS FOR FY 2014-2015 (FY 2015)**

**WHEREAS**, the Transportation Advisory Committee 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 Transportation Advisory Committee 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 Transportation Advisory Committee 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 Transportation Advisory Committee has considered how the Transportation Planning Process will affect the involvement of Disadvantaged Business Enterprises in the FHWA and the FTA funded planning projects (Section 1003(b) of ISTEA of 1991 (Pub. L. 102-240), Sec. 105(f), Pub. L. 97-424, 96 Stat. 2100, 49 CFR part 23);

**WHEREAS**, the Transportation Advisory Committee 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 2040 Long Range Transportation Plan;

**WHEREAS**, the Transportation Plan has a planning horizon year of 2040, and meets all the requirements for an adequate Transportation Plan,

**NOW THEREFORE**, be it resolved that the DCHC Urban Area Transportation Advisory Committee certifies the transportation planning process for the DCHC Metropolitan Planning Organization on this the \_\_\_\_ day of \_\_\_\_, 2014

---

Ellen Reckhow, TAC Chair

---

Clerk/Secretary/Planner

## Metropolitan Planning Self-Certification Process

### CFR 450.334

The State and the MPO shall annual certify to the FHWA and the 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 MPOs as they review their processes and programs for self-certification.

## Metropolitan Planning Self-Certification Process

### Self-Certification Checklist

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)]
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)]
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)]
4. Is there a currently adopted Unified Planning Work Program (UPWP)? 23 CFR 450.314
  - a. Is there an adopted prospectus
  - b. Are tasks and products clearly outlined
  - c. Is the UPWP consistent with the LRTP
  - d. Is the work identified in the UPWP completed in a timely fashion
5. Does the area have a valid transportation planning process?  
23 U.S.C. 134; 23 CFR 450
  - a. Is the transportation planning process continuous, cooperative and comprehensive
  - b. Is there a valid LRTP
  - c. Did the LRTP have at least a 20-year horizon at the time of adoption
  - d. Does it address the 8-planning factors
  - e. Does it cover all modes applicable to the area
  - f. Is it financially constrained
  - g. Does it include funding for the maintenance and operation of the system
  - h. Does it conform to the State Implementation Plan (SIP) (if applicable)
  - i. Is it updated/reevaluated in a timely fashion (at least every 4 or 5 years)
6. Is there a valid TIP? 23 CFR 450.324, 326, 328, 330, 332
  - a. Is it consistent with the LRTP
  - b. Is it fiscally constrained
  - c. Is it developed cooperatively with the state and local transit operators
  - d. Is it updated at least every 4-yrs and adopted by the MPO and the Governor
7. Does the area have a valid CMP? (TMA only) 23 CFR 450.320
  - a. Is it consistent with the LRTP
  - b. Was it used for the development of the TIP
  - c. Is it monitored and reevaluated to meet the needs of the area
8. Does the area have a process for including environmental mitigation discussions in the planning process?
  - a. How \_\_\_\_\_
  - b. Why not \_\_\_\_\_

## Metropolitan Planning Self-Certification Process

### Self-Certification Checklist

9. Does the planning process meet the following requirements:
  - 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 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 (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 of 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)
  - a. Did the public participate in the development of the PIP?
  - b. Was the PIP made available for public review for at least 45-days prior to adoption?
  - c. Is adequate notice provided for public meetings?
  - d. Are meetings held at convenient times and at accessible locations?
  - e. Is the public given an opportunity to provide oral and/or written comments on the planning process?
  - f. Is the PIP periodically reviewed and updated to ensure its effectiveness?
  - g. Are plans/program documents available in an electronic accessible format, i.e. MPO website?
  
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?  
MAP-21
  - a. How \_\_\_\_\_
  - b. Why not \_\_\_\_\_

## DCHC MPO Title VI Assurances

---

The Durham-Chapel Hill-Carrboro Metropolitan Planning Organization -DCHCMPO (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 used 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.

\_\_\_\_\_  
 Ellen Reckhow, TAC Chair  
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\_\_\_\_\_  
 Signature and Date

Felix Nwoko, PhD.  
 Transportation Planning Manager/Administrator, DCHC MPO

\_\_\_\_\_  
 Signature and Date

## 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. 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 supplemental project descriptions for Federal Transit Administration (FTA) projects. FTA project descriptions are provided for transit providers (Chapel Hill Transit, Durham Area Transit, & Triangle Transit Authority). FTA planning project task descriptions, FTA Disadvantaged Businesses Contracting Opportunities forms, and FTA funding source tables are also part of the UPWP document.

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. Statewide Planning and Research Funds (SPR) are designated for State use only and reflect the amount of those funds to be expended by the N.C. Department of Transportation Statewide Planning Division on DCHC MPO activities. Section 104(f) funds are designated for MPO planning and Section 133(b)(3)(7) funds are the portion of STP-DA funds used in MPO planning. The Lead Planning Agency (LPA) uses these funds to support the LPA planning functions. These funds are also used for MPO special projects, such as the Congestion Management Systems, Collector Street Plan, land-use model, GIS/Data integration and automation, Regional Model update and enhancement, travel behavior surveys and update of the ITS deployment plan and regional architecture, support of the Regional Model Service Bureau, Parking Survey/Study, special projects, etc.

The main source of funds for transit planning for Chapel Hill Transit (CHT), the Durham Area Transit Authority (DATA), and the Triangle Transit Authority (TTA), is the Federal Transit Administration's Section 5303 funds. These funds are allocated by NCDOT's Public Transportation Division (PTD). Transit agencies can also use portions of their Section 5307 capital and operating funds for planning. These funds must be approved by the TAC as part of the UPWP approval process.

### **FY 2015 UPWP Federally Mandated Planning Projects and Continuation of Major Emphasis Projects:**

- Regional Transit Studies New Start Analyses
- Commercial vehicle survey and counts for the Triangle Regional Model (TRM)
- Parking survey, inventory and study for the TRM

- Development of Update of the 2045 MTP
- MPO freight planning
- MPO Safety and Security Plan
- Model data collection
- Community VIZ update
- Geo-coder update
- GIS enterprise update
- MPO Congestion Management Plan and process
- Climate change adaptation and planning

### **The Focus Areas of the FY 2015 UPWP**

1. Data and Data Management System
2. Model Update and Enhancement
3. Survey (Travel Behavior & Transit Onboard)
4. GIS (GIS online & enterprise GIS portals)
5. Regional Rail –County Transit Plans
6. Comprehensive Transportation Plan
7. 2045 MTP
  - a. Socio-Economic/Demographic Data Analysis & Forecasting
  - b. Land-use Scenario Planning
8. SPOT3-STI
9. Grants and Financial Management
10. Interactive Web-comprehensive web presence (social media)
11. Title VI/LEP/EJ
12. Map-21 implementation regulation & requirements (performance measures and targets, asset management, Freight, etc.)
13. State and Regional Planning/Coordination
14. Project Development & Planning/NEPA
15. Administration of the 3-C Process
16. Service requests
17. ADA Transition Plan (See attached audit questionnaire)
18. Freight Plan (regional – DCHCMPO/CAMPO/NCDOT –NCDOT picking 50% of total cost)
19. Community Viz 2.0 (DCHCMPO/CAMPO)
20. Continuation of routine planning- TIP, UPWP, Data monitoring, GIS, public involvement, AQ, etc.
21. Regional transit and implementation of County transit plans

### **FY 2015 Emphasis/Special Projects Descriptions**

#### **Triangle Regional Model (TRM) - Major Model Enhancement**

Upon completion of the 2040 MTP and air quality conformity determination modeling operation, the Triangle Regional Model Service Bureau (TRM-SB) and the regional model stakeholders began substantial revisions and enhancements in order to better respond to the

evolving needs and policies of the DCHC MPO and other model stakeholders. One of the first tasks will be to identify and select model enhancements for implementation based on the needs of the various partners including local governments, and on the feasibility and costs of desired enhancements. Enhancements specifically discussed 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 (NC-DOT, TTA, CAMPO), consultant assistance in preparing technical specifications and 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 will not be included in the regional model plan, such as the enhancement of the non-motorized trip. In that case, additional specific activities may include developing extensions to the regional model to meet DCHC's remaining policy needs.

**Enhancement of the Non-Motorized Trip Model funding NOT included in the proposed FY 2015 budget.**

**Travel Behavior Survey (Household Survey)**

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 4,000 households across the Triangle. The sample size for the DCHC 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 also includes a separate transit on-board survey (survey of bus riders) and surveys of bicycle and pedestrian activity and facilities.

The benefit to the MPO will be a more accurate and reliable travel demand model that represents and captures local travel behavior and travel patterns.

### **Transit Onboard Survey (Pre-test in FY15 Survey/analysis in FY 2016)**

The TRM Service Bureau along with the DCHC MPO, CAMPO and TTA will conduct a transit onboard survey of riders of Capital Area Transit (CAT), Chapel Hill Transit (CHT), Triangle Transit, Cary Transit (C-Trans), Durham Area Transit Authority (DATA), Duke, and the Wolf line systems. The purpose of the survey is to better understand the travel pattern of transit users in the Triangle region, particularly, the impact that the proposed Durham-Orange Light Rail (D-O LRT) will have on metropolitan and regional travel patterns. The primary objective for the proposed FY 2015 transit onboard survey are summarized as follows; 1) update travel pattern data for the TRM to reflect current transit system ridership; Recalibrate the TRM mode choice model; and 2) collect on-transit ridership as part of the "Before and After Assessment of D-O LRT" as required by the federal Transit Administration (FTA) Final Rule on Major Capital Investment Projects. The survey results will be shared with the aforementioned regional transit operators to help them gain a better understanding of how their services are being used. The proposed survey will be conducted on approximately 115 bus routes with the goal of obtaining useable surveys from approximately 14,000 passengers. TTA will be conducting a survey in 2014 for the D-O Light Rail project.

### **Community Viz 2.0**

The DCHC MPO in concert with CAMPO will undertake the development of Community Viz 2.0. The primary purpose of the project is to implement a partnering strategy and create a spatial data planning model framework and scenario planning 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 Long Range Transportation Plan; the 2045 Metropolitan Transportation Plan.

During FY 2012-13, the DCHC MPO and CAMPO joined together to initiate the first Community Viz 1.0 scenario planning initiative called Imagine 2040. That study provided an opportunity to explore and debate regional visions for growth, their trade-offs, and alternative development futures. Scenario planning tools, and specifically, CommunityViz 1.0 was 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 were the development of the 2040 MTP socio-economic forecasts. Community Viz 2.0 will build upon that effort.

### **FY 2015 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 fed into various MPO technical analyses such as modeling, Metropolitan Transportation Plan update, Congestion Management Process, project development, Title planning, EJ.LEP demographic profiles, TIP, project prioritization, etc. The following data collection and monitoring tasks will be conducted during the FY 2015 UPWP period:

- 48 hour traffic volume –hourly, bi-directional, classified and 85<sup>th</sup> percentile speed
- Turning movement count during AM, noon and PM peak periods for cars, trucks, bikes and pedestrians

- Travel time and speed survey
- Pedestrian and bikes counts at mid-block and intersections (peak counts and 12-hour counts)

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 has been gathered through an ad-hoc, short-term work effort, and has 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; designing work flow processes and data access strategies to support routine access to relevant information, continue designing and updating a centralized database for information that will be used by transportation and land use models, developing presentation tools for the data (using ArcGIS Online), and adjusting the travel demand model so that it can use such detailed data directly.

#### **Freight Planning/Urban Good Movement – Regional Freight Plan**

DCHC MPO, CAMPO and NCDOT will jointly develop a regional freight plan as mandated by federal regulations. The cost of the freight study will be shared among the aforementioned stakeholders as follows: 50% NCDOT, CAMPO 30% and DCHC MPO 20%.

#### **American's with Disability Act (ADA) Transition Plan**

The ADA requires public agencies with more than 50 employees to make a transition plan. [28 CFR §35.150(d)] The transition plan must include a schedule for providing access features, including curb ramps for walkways. [28 CFR §35.150(d)(2)] The ADA transition plan is intended to identify system needs and integrate them with the MPOs planning process. The transition plan and its identified needs will be fully integrated into the Metropolitan Transportation Improvement Program (MTIP).

### **FY 2015 UPWP Description of Funding Sources and Expected Funding Levels**

**Planning (PL) Section 104(f)** – These funds are FHWA funds for urbanized areas, 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 MAP-21 Section 104(f) allocation. The statewide section 104(f) funds are distributed among the 17 MPOs based on a formula.

**STP-DA** – These funds are the Direct Attributable Allocation portion of the federal Surface Transportation Program (STP) funds provided to Transportation Management Areas (TMAs) over 200,000 in population. By agreement with the DCHC MPO and NCDOT, a portion of these funds are used for MPO transportation planning activities. STP-DA funds earmarked for programming in the FY 2012-13 UPWP are shown below:

**FTA Funds** -Three types of funds are used for transit planning purposes by the DCHC MPO; Section 5303, Section 5307 and Section 5309 funds administered through the Federal Transit Administration and the NCDOT Public Transit Division.

**Section 5303** funds are grant monies from FTA that provide assistance to urbanized areas for transit planning. Essentially, the funds are earmarked for use in planning and technical studies related to urban public transportation. They are provided from the Federal Transit Administration through the NCDOT-PTD to the MPO transit operators (80% from FTA, 10% from NCDOT-PTD, and 10% local match).

**Section 5307** funds can be used for planning as well as other purposes, and are distributed by the formula by FTA. The DATA, CHT, and TTA use Section 5307 funds from the FTA for assistance on a wide range of planning activities. These funds require a 10% local match, which is provided by the City of Durham, the Town of Chapel Hill, and TTA; and 10% State match which is provided by the Public Transportation Division of NCDOT.

**Section 5309** funds can be used for planning as well as other purposes, and are distributed by formula by FTA. Chapel Hill Transit will use of Section 5309 funds from the FTA for assistance on an alternatives analysis project in FY2014. These funds require a 25% local match, which is provided by the Town of Chapel Hill; and 25% State match which is provided by the Public Transportation Division of NCDOT.

## Summary of all Funding Sources

	Federal	State	Local	Total
<b>Non-Federal</b>			\$215,000	\$215,000
<b>PL/STP-DA (FHWA)</b>	\$2,207,996		\$551,999	\$2,759,995
<b>FTA 5303</b>	\$301,104	\$37,638	\$37,638	\$376,380
<b>FTA 5307</b>	\$1,212,694	\$151,587	\$151,587	\$1,515,868
<b>FTA 5309</b>	\$210,000	\$26,250	\$26,250	\$262,500
<b>Total</b>	<b>\$3,931,794</b>	<b>\$215,475</b>	<b>\$982,474</b>	<b>\$5,129,743</b>

## Summary of Federal Funding by Agency

Agency	FHWA	FTA Transit Planning			Total
	Planning	5303	5307	5309	
Lead Planning Agency	\$1,547,124				\$1,547,124
Carrboro	\$146,954				\$146,954
Chapel Hill	\$175,675	\$147,541			\$323,216
Durham City	\$190,880				\$190,880
Durham County	\$48,115				\$48,115
Orange County	\$44,248				\$44,248
TJCOG	\$55,000				\$55,000
Chapel Hill Transit			\$283,621	\$210,000	\$493,621
DATA		\$153,563	\$245,073		\$398,636
TTA			\$684,000		\$684,000
<b>Total</b>	<b>\$2,207,996</b>	<b>\$301,104</b>	<b>\$1,212,694</b>	<b>\$210,000</b>	<b>\$3,931,794</b>
Note: Federal Funds = 80%					

### **Summary of UPWP Accomplishments & FY 15 UPWP Focus Area**

The Main emphases of the FY 2013 and FY 2014 Unified Planning Work Program (UPWP) were the development of the 2040 Long Range Transportation Plan and Air Quality Conformity Determination, model, enhancement, calibration and validation of the Triangle Regional Model, the update of the MPO GIS enterprise, update of the Non-motorized Trip Model, the development of the MPO integrated land-use/transportation model, implementation of the regional Intelligent Transportation Systems (ITS) Strategic Deployment Plan, Congestion Management Process (data collection and analysis, evaluation of performance indicators, development of mitigation measures, State of Systems Report, etc.), development of the regional transit plan and the implementation of the County transit plans. The MPO continued to fulfill State and federal transportation mandates and requirements, mainly the 3-C transportation process, such as UPWP planning, SPOT/TIP/Mobility funds, Title VI/EJ/LEP, visualization, etc. The MPO made significant progress in these areas. Major milestones and accomplishments are summarized as follows:

1. **2040 Metropolitan Comprehensive Plan (MTP):** The MPO completed tasks associated with the development of the 2040 MTP. The Transportation Advisory Committee (TAC) adopted the 2040 MTP and Air Quality Conformity Determination in May 2013.
2. **Comprehensive Transportation Plan (CTP):** The MPO along with NCDOT began work on the development of the CTP as mandated by the North Carolina General Statutes. Work accomplishments include CTP model setup, preparation of base maps, definition of roles and responsibilities.
3. **Civil Rights Title VI Audit and MPO Title VI Plan:** The DCHC MPO prepared Title VI Plan, which addresses how the MPO is integrating nondiscriminatory practices into its transportation planning, public participation, and decision making. Title VI is a requirement of the federal Civil Rights Act of 1964 and other legislation that direct the fair treatment and meaningful involvement of all people—regardless of race, color, national origin, disability, age, gender, or income status—in programs and activities receiving federal funding, including for transportation issues. The MPO also prepared a response to NCDOT Civil Rights Division Title VI audit and certification questionnaires.
4. **Limited English Proficiency (LEP) Plan:** The MPO updated federally mandated LEP Plan to help identify reasonable steps to provide language assistance for LEP persons seeking meaningful access to MPO programs as required by Executive Order 13166. A person who is considered LEP is one who does not speak English as their primary language and who has a limited ability to read, speak, write or understand English. The LEP Plan includes the required four factor analysis and strategies for ensuring access to transportation by the LEP population.
5. **Demographic Profiles for Environmental Justices (EJ) and Civil Rights Title VI:** The MPO updated and enhanced demographic profiles for EJ and LEP in accordance with federal requirements. The MPO collected and analyzed Census and American Community Services (ACS) data. The pieces of information from the CENSUS and ACS were used to evaluate whether certain language groups within the DCHC MPO area met the Safe

Harbor clause of LEP guidance. The MPO also generated various charts, graphs and GIS mapping associated with the LEP demographic profiles.

6. Data Collection and Monitoring (Surveillance): The Lead Planning Agency (LPA) continued data collection, tabulation and analysis to support various MPO technical and planning functions such as modeling, Congestion Management Process (CMP), Mobility Report Card, Transportation Improvement Program project ranking/prioritization, Metropolitan Transportation Plan (MTP) evaluation, air quality analysis and conformity, Environmental Justice, socio-economic and demographic projections/forecasting, Highway Performance Management System (HPMS), transit planning, project development, bicycle and pedestrian planning, safety, etc. The following data elements were either collected, tabulated, updated and/or monitored within the MPO boundary:
  - a. Daily traffic volume - 400 locations
  - b. Turning Movement Counts (TMC) - 300 locations
  - c. Truck classification counts - 400 locations
  - d. Signal and detector data - 450 signal locations
  - e. Roadway geometric information - 300 segments
  - f. Transit system data (stop, route system wide reports, including boarding, alighting, load, run time, costs, passenger/miles, etc.) - all routes for CHT, DATA, TTA and Duke
  - g. Travel time - 162 facilities/segments
  - h. Bicycle pedestrian counts (peak period and 12-hour)
  - i. Development activities, permits and certificates of occupancy
  - j. ACS demographic data
  - k. Employment/ land-use
7. GIS Online Framework: Continued work on a repository for local, regional and State GIS data for use by the public and local and regional officials. The GIS On-line will support MPO short and long-range transportation planning by providing a visualization capability required by federal regulations as well as provide innovative and interactive mapping and geo-spatial information to the public and policy makers.
8. STI Analysis & SPOT3 Prioritization. The LPA prepared an analysis of the Strategic Transportation Investment (STI) and summary reports for elected officials and the public. Staff made several presentations to the TCC and TAC. Additionally, the LPA developed a highway, transit, bike, pedestrian and rail projects list for SPOT-3 and updated modal ranking methodology.
9. The LPA developed and finalized the 2014-2020 Metropolitan Transportation Improvement Program (MTIP) and subsequently NCDOT notified the MPO about the suspension of the 2014-2020 TIP due to MAP-21 funding shortfall, new State legislative issues and uncertainties surrounding revenue forecasts.
10. Amendments and Administrative Modifications of the MTIP: The MPO processed several administrative modifications to the 2012-18 MTIP and forwarded them to NCDOT to be included in the STIP for BOT approval.
11. Congestion Management Process (CMP): Completed CMP data collection and some

analysis. Draft reports for various components of the CMP were completed: Draft MPO Mobility Report Card, Safety Evaluation Report, draft multi-modal LOS for evaluating Complete Streets capacity/LOS, etc.

12. UPWP Financial Reporting and Management: The LPA processed 7 UPWP amendments (FHWA and FTA funds) and quality invoices to NCDOT. The LPA successfully completed an annual audit review for LPA planning grants.
13. Triangle Regional Model (TRM) Update and Enhancement: The MPO continues to participate in the update and enhancement of the TRM at ITRE. The MPO is one of the funding partners of the modeling service bureau and continues to provide .5 FTE to ITRE Model Service Bureau.
14. The MPO continued work on several special and major emphasis projects: MPO Land-use model, MPO Non-Motorized Trip model, MPO GIS, Community VIZ integration, MPO Twitter account, Preparation of CMAQ applications, etc.
15. Bicycle lane restriping. The MPO worked with NCDOT Division 5 and Division 7 regarding priorities and plans for restriping roadways scheduled for resurfacing by NCDOT.
16. Alston Avenue Widening & East-End Connector: The LPA worked on the project planning and NEPA process for the Alston Avenue and the East End Connector projects. The LPA continued work in helping NCDOT in the public involvement and outreach for the East-End Connector planning and environmental (NEPA) study.
17. Other Project Development Planning and NEPA: the LPA continued to participate in several on-going NCDOT project planning and NEPA studies for projects within the MPO. These projects are summarized as follows: South Miami Blvd widening, NC 98, Holloway Street widening, Alexander Drive widening project, Hopson Road grade separation, Alston Avenue, East End Connector, Hillandale widening, NC 98 (Holloway Street) widening, South Columbia, several bridge replacement projects, resurfacing projects, etc.
18. ITS Strategic Deployment Plan (SDP). Work continues on the implementation of the Triangle Regional ITS SDP. This includes linkages of ITS to travel model and the required bridging of planning and operations.
19. Ramp Metering project was completed and report presented to the TAC.
20. Agency Service Request – LPA staff often assist with customer services requests several times a month with issues regarding UPWP allocation, sub-recipient reporting training and guidance, technical assistance, etc.

### Development Schedule

The tentative development schedule for the 2014-15 UPWP is presented below. The work program will contain new initiatives for FY2015 and a continuation of the FY2014 initiatives and emphasis areas. The schedule provides for the coordination of the UPWP development with the local government budget process and NCDOT deadlines.

DATES	DCHC MPO ACTIVITY DESCRIPTION
27-Jan-14	Deadline for funding request to be submitted to MPO by member agencies. (deadline extended to 7-Feb-14)
December 2013 - January 2014	Development of Draft 2014-2015 UPWP and coordination with the Oversight Committee & local agencies.
26-Feb-14	TCC receives Draft 2014-2015 UPWP.
12-Mar-14	TAC receives Draft 2014-2015 UPWP & releases for public comment. Draft sent to FTA for review & comments.
26-Mar-14	TCC receives updated DRAFT-FY2014-2015 UPWP.
9-Apr-14	TAC holds public hearing. TAC considers adoption of FY 2015 UPWP.
23-Apr-14	TCC recommends that TAC adopt FINAL FY2014-2015. TCC recommends MPO complete self-certification UPWP planning process.
14-May-14	TAC adopts FINAL FY2014-2015 UPWP and self certifies MPO planning process.
16-May-14	Final FY2014-2015 UPWP submitted to NCDOT/FHWA/FTA for approval.
16-Jun-14	Final FY2014-2015 UPWP approved by NCDOT/FHWA/FTA.

MPO Funds Distribution by Agency MPO Summary	Durham-Chapel Hill-Carrboro Urban Area											MPO Summary										
	FY 2014-2015 Unified Planning Work Program											3/19/2014 8:57										
	Funding Distribution by Agency & Funding Sources																					
	Receiving Agency	SPR Highway		Local Transit		STP-DA		Section 104(D)		Section 5303			Section 5307			Section 5309			Task Funding Summary			
Highway NCDOT		Local 100	Local 20%	FHWA 80%	Local 20%	PL	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local	NCDOT	Federal	Total
Durham Carrboro Chapel Hill		47,720	0	190,880	0	0	0	0	0	0	0	0	0	0	0	0	0	0	47,720	-	190,880	238,600
		36,739	0	146,954	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36,739	-	146,954	183,693
		47,147	0	188,588	0	0	18,443	147,541	0	0	0	0	0	0	0	0	0	0	65,590	18,443	336,129	420,162
Orange County		11,062	0	44,248	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,062	-	44,248	55,310
TJCOG		13,750	0	55,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,750	-	55,000	68,750
TTA		0	0	0	0	0	0	0	0	85,500	684,000	0	0	0	0	0	0	0	300,500	85,500	684,000	1,070,000
CHT		0	0	0	0	0	0	0	0	35,453	283,621	0	0	0	0	0	0	0	61,703	61,703	493,621	617,027
DATA		0	0	0	0	0	19,195	153,563	0	0	245,075	0	0	0	0	0	0	0	49,830	49,830	398,638	498,298
Durham County		12,029	0	48,115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,029	-	48,115	60,143
LFA		302,508	0	1,210,034	84,273	337,090	0	0	0	0	0	0	0	0	0	0	0	0	386,781	-	1,547,124	1,933,905
NCDOT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
Totals	\$0	\$215,000	\$470,955	\$1,883,819	\$84,273	\$337,090	\$37,638	\$37,638	\$301,105	\$151,587	\$151,587	\$1,212,696	\$26,250	\$26,250	\$210,000	\$985,702	\$215,475	\$3,944,710	\$5,145,888			



Composite Agencies Summary Tables (PL&STP-DA Funds)

Durham-Chapel Hill-Carrboro Urban Area  
 FY 2014-2015 Unified Planning Work Program  
 Composite Agencies Summary Tables (PL&STP-DA Funds)

MPO Summary  
 3/19/2014 8:58

Task Description	Chapel Hill			Carrboro			Orange			TJCOG			Durham			Dur. City			LPA			MPO			
	Local 20%	FHWA 80%	Total 100%	Local 20%	FHWA 80%	Total 100%	Local 20%	FHWA 80%	Total 100%	Local 20%	FHWA 80%	Total 100%	Local 20%	FHWA 80%	Total 100%	Local 20%	FHWA 80%	Total 100%	Local 20%	FHWA 80%	Total 100%	Local 20%	FHWA 80%	Total 100%	
1 Surveys/Interviews of Change	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
2 Traffic Volume Counts	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
3 Vehicle Miles of Travel	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
4 Street System Changes	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
5 Traffic Accidents	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
6 Transit System Data	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
7 Housing Unit, Pop. & Emp. Change	0	0	0	0	0	0	1,272	5,086	6,358	0	0	0	211	845	1,056	169	676	846	6,587	26,346	32,933	8,238	32,933	41,192	
8 Air Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9 Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10 Travel Time Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11 Mapping	6,003	24,014	30,017	482	1,929	2,411	580	2,320	2,900	0	0	211	845	1,056	1,295	259	1,036	1,295	20,161	83,043	103,804	28,297	115,187	141,484	
12 Central Area Parking Inventory	0	0	0	69	274	343	0	0	0	0	0	0	0	0	0	0	0	0	240	960	1,200	309	1,234	1,543	
13 Bike & Ped. Facilities Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	454	1,815	2,268	454	1,815	2,268	
14 Bike & Ped. Counts	0	0	0	1,200	4,800	6,000	0	0	0	0	0	0	0	0	0	0	0	0	9,867	39,467	49,334	11,067	44,267	55,334	
15 Long Range Transp. Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16 Collision of Base Year Data	0	253	1,012	975	3,900	4,874	0	0	0	0	0	0	0	0	0	0	0	0	8,214	32,857	41,071	9,442	37,169	47,211	
17 Collision of Network Data	0	218	1,089	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,019	4,076	5,096	1,237	4,948	6,185	
18 Travel Model Updates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57,556	230,223	287,779	57,556	230,223	287,779	
19 Travel Surveys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26,345	105,382	131,727	26,345	105,382	131,727	
20 Forecast of Data to Horizon Year	2,494	9,976	12,470	471	1,884	2,354	975	3,900	4,874	0	0	2,147	8,589	10,736	13,902	3,476	13,902	17,378	6,834	27,335	34,169	16,396	65,585	81,982	
21 Community Goals & Objectives	0	0	0	73	290	363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22 Forecast of Future Travel Patterns	970	3,878	4,848	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,655	26,621	33,276	7,625	30,499	38,124	
23 Capacity Efficiency Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10,297	41,187	51,484	10,297	41,187	51,484	
24 Highway Element of the L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,852	7,410	9,262	2,732	10,930	13,662	
25 Transit Element of the L RTP	1,684	6,736	8,420	0	0	0	0	0	0	0	0	880	3,520	4,400	0	0	0	0	880	3,520	4,400	880	3,520	4,400	
26 Bicycle & Ped. Element of the L RTP	16,779	67,114	83,893	0	0	0	0	0	0	0	0	31,880	127,520	159,400	0	0	0	0	31,880	127,520	159,400	4,897	19,588	24,485	
27 Airport/Av. Travel Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,004	20,017	25,021	53,663	214,651	268,314	
28 Collector Street Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29 Rail, Water or other mode of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30 Freight Movement/Mobility Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	733	2,931	3,663	733	2,931	3,663	
31 Financial Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17,500	70,000	87,500	17,500	70,000	87,500	
32 Congestion Management Strategies	4,210	16,840	21,050	109	436	545	0	0	0	0	0	0	0	0	0	0	0	0	14,963	59,852	74,815	19,282	77,127	96,409	
33 Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,359	5,436	6,795	1,359	5,436	6,795	
34 Short Range Transit Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
35 Short Range Transit Planning	0	0	0	327	1,307	1,634	1,166	4,663	5,828	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 Planning Work Program	610	2,440	3,050	327	1,307	1,634	392	1,568	1,960	0	0	598	2,394	2,992	3,590	267	1,067	1,333	12,436	49,744	62,180	14,650	58,519	73,149	
37 Transp. Improvement Plan	915	3,660	4,575	436	1,743	2,179	736	2,946	3,682	0	0	2,640	10,560	13,200	0	0	0	0	6,308	25,234	31,542	11,036	44,142	55,178	
38 Cvl Rgts. Cmp./Otr. Reg. Reqs.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
39 Environmental Justice	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,683	14,733	18,417	4,739	18,957	23,697	
40 Minority Business Enterprise	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,873	11,491	14,364	2,873	11,491	14,364	
41 Planning for the Elderly & Disabled	0	0	0	73	290	363	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
42 Safety/Dra. Control Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
43 Public Involvement	0	0	0	272	1,087	1,359	0	0	0	0	0	722	2,886	3,608	0	0	0	0	3,075	12,299	15,374	3,075	12,299	15,374	
44 Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14,238	57,033	71,291	15,251	61,006	76,257	
45 Incidental Ping./Project Dev.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
46 Transportation Enhancement Ping.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
47 Enviro. Analysis & Pre-TIP Ping.	3,550	14,200	17,750	0	0	0	0	0	0	0	0	3,344	13,376	16,720	0	0	0	0	1,174	4,695	5,869	8,068	32,271	40,530	
48 Special Studies	1,785	7,139	8,923	30,503	122,013	152,516	198	792	990	0	0	0	0	0	0	1,170	4,682	5,852	33,885	135,580	169,475	67,551	270,205	337,756	
49 Regional or Statewide Planning	1,220	4,880	6,100	0	0	0	656	2,543	3,179	13,750	55,000	68,750	774	3,098	3,872	817	3,267	4,084	5,099	20,397	25,497	27,296	39,185	111,482	
50 Management & Operations	6,928	27,711	34,639	1,928	7,710	9,638	4,133	16,551	20,684	0	0	2,376	9,304	11,880	11,880	974	3,896	4,870	41,690	166,759	208,449	56,028	232,113	290,141	
51 Management & Operations	47,147	188,388	235,733	36,759	146,954	183,693	11,062	44,248	55,310	13,750	55,000	68,750	47,720	190,880	238,600	12,029	48,115	60,143	386,781	1,547,124	1,933,905	555,227	2,220,909	2,716,130	
Totals	6,928	27,711	34,639	1,928	7,710	9,638	4,133	16,551	20,684	0	0	2,376	9,304	11,880	11,880	974	3,896	4,870	41,690	166,759	208,449	56,028	232,113	290,141	
Totals	47,147	188,388	235,733	36,759	146,954	183,693	11,062	44,248	55,310	13,750	55,000	68,750	47,720	190,880	238,600	12,029	48,115	60,143	386,781						

FHWA Planning Funds MPO PL & STP-DA Total		Durham-Chapel Hill-Carrboro Urban Area FY 2014-2015 Unified Planning Work Program MPO PL & STP-DA Summary Total								
		STP-DA Section 133(b)(3)(7)			PL Section 104(f)			Total FHWA Planning Funds		
Task Description		Local 20%	FHWA 80%	Total 100%	Local 20%	FHWA 80%	Total 100%	Local 20%	FHWA 80%	Total 100%
<b>II A</b>	<b>Surveillance of Change</b>									
II A 1	Traffic Volume Counts	22,731	90,923	113,654	5,000	20,000	25,000	27,731	110,923	138,654
2	Vehicle Miles of Travel	2,416	9,665	12,081	0	0	0	2,416	9,665	12,081
3	Street System Changes	552	2,209	2,762	0	0	0	552	2,209	2,762
4	Traffic Accidents	762	3,046	3,808	600	2,400	3,000	1,362	5,446	6,808
5	Transit System Data	300	1,200	1,500	0	0	0	300	1,200	1,500
6	Dwelling Unit, Pop. & Emp. Change	7,988	31,953	39,942	250	1,000	1,250	8,238	32,953	41,192
7	Air Travel	0	0	0	0	0	0	0	0	0
8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0
9	Travel Time Studies	26,606	106,423	133,029	5,000	20,000	25,000	31,606	126,423	158,029
10	Mapping	23,297	93,187	116,484	5,000	20,000	25,000	28,297	113,187	141,484
11	Central Area Parking Inventory	309	1,234	1,543	0	0	0	309	1,234	1,543
12	Bike & Ped. Facilities Inventory	454	1,815	2,268	0	0	0	454	1,815	2,268
13	Bike & Ped. Counts	8,567	34,267	42,834	2,500	10,000	12,500	11,067	44,267	55,334
<b>II B</b>	<b>Long Range Transp. Plan</b>									
B 1	Collection of Base Year Data	8,042	32,169	40,211	1,400	5,600	7,000	9,442	37,769	47,211
2	Collection of Network Data	624	2,498	3,122	613	2,450	3,063	1,237	4,948	6,185
3	Travel Model Updates	55,306	221,223	276,529	2,250	9,000	11,250	57,556	230,223	287,779
4	Travel Surveys	26,345	105,382	131,727	0	0	0	26,345	105,382	131,727
5	Forecast of Data to Horizon year	15,396	61,585	76,982	1,000	4,000	5,000	16,396	65,585	81,982
6	Community Goals & Objectives	73	290	363	0	0	0	73	290	363
7	Forecast of Future Travel Patterns	6,750	26,999	33,749	875	3,500	4,375	7,625	30,499	38,124
8	Capacity Deficiency Analysis	7,797	31,187	38,983	2,500	10,000	12,500	10,297	41,187	51,483
9	Highway Element of the LRTP	1,832	7,330	9,162	900	3,600	4,500	2,732	10,930	13,662
10	Transit Element of the LRTP	8,795	35,179	43,974	750	3,000	3,750	9,545	38,179	47,724
11	Bicycle & Ped. Element of the LRTP	52,663	210,651	263,314	1,000	4,000	5,000	53,663	214,651	268,314
12	Airport/Air Travel Element of LRTP	0	0	0	0	0	0	0	0	0
13	Collector Street Element of LRTP	0	0	0	0	0	0	0	0	0
14	Rail, Water or other mode of LRTP	513	2,051	2,563	220	880	1,100	733	2,931	3,663
15	Freight Movement/Mobility Planning	16,625	66,500	83,125	875	3,500	4,375	17,500	70,000	87,500
16	Financial Planning	0	0	0	0	0	0	0	0	0
17	Congestion Management Strategies	14,432	57,727	72,159	4,850	19,400	24,250	19,282	77,127	96,409
18	Air Qual. Planning/Conformity Anal.	859	3,436	4,295	500	2,000	2,500	1,359	5,436	6,795
<b>II C</b>	<b>Short Range Transit Planning</b>									
1	Short Range Transit Planning	1,492	5,970	7,462	0	0	0	1,492	5,970	7,462
<b>III-A</b>	<b>Planning Work Program</b>	4,630	18,519	23,149	10,000	40,000	50,000	14,630	58,519	73,149
<b>III-B</b>	<b>Transp. Improvement Plan</b>	6,036	24,142	30,178	5,000	20,000	25,000	11,036	44,142	55,178
<b>III-C</b>	<b>Cvl Rgts. Cmp./Otr .Reg. Reqs.</b>									
1	Title VI	2,239	8,957	11,197	2,500	10,000	12,500	4,739	18,957	23,697
2	Environmental Justice	1,623	6,491	8,114	1,250	5,000	6,250	2,873	11,491	14,364
3	Minority Business Enterprise	0	0	0	0	0	0	0	0	0
4	Planning for the Elderly & Disabled	73	290	363	0	0	0	73	290	363
5	Safety/Drug Control Planning	1,075	4,299	5,374	2,000	8,000	10,000	3,075	12,299	15,374
6	Public Involvement	8,876	35,506	44,382	6,375	25,500	31,875	15,251	61,006	76,257
7	Private Sector Participation	0	0	0	0	0	0	0	0	0
<b>III-D</b>	<b>Incidental Plng./Project Dev.</b>									
1	Transportation Enhancement Plng.	0	0	0	0	0	0	0	0	0

2	Enviro. Analysis & Pre-TIP Plng.	7,693	30,771	38,464	375	1,500	1,875	8,068	32,271	40,339
3	Special Studies	67,551	270,205	337,756	0	0	0	67,551	270,205	337,756
4	Regional or Statewide Planning	19,906	79,625	99,532	2,390	9,560	11,950	22,296	89,185	111,482
III- E	<b>Management &amp; Operations</b>									
1	Management & Operations	39,728	158,913	198,641	18,300	73,200	91,500	58,028	232,113	290,141
Totals		<b>470,955</b>	<b>1,883,819</b>	<b>2,354,774</b>	<b>84,273</b>	<b>337,090</b>	<b>421,363</b>	<b>555,227</b>	<b>2,220,909</b>	<b>2,776,137</b>

## FY 2015 UPWP DCHC MPO Task Description and Summary Narrative

### 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 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 the FY 2015 UPWP period.

#### Task II-A-1: Traffic Volume Counts

The Lead Planning Agency (LPA) will collect 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 Lead Planning Agency (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. The following table illustrates the proposed FY 2015 count locations:

<b>Traffic Counts : Number of Data Collection Locations</b>								
<b>Number of Locations/Facilities by Jurisdiction -FY 2015</b>								
Data Type	Durham	Dur County	Chapel Hill	Carrboro	Hillsborough	Orange	Chatham	Total
Traffic Volume:hourly, bi- direction, classification, speed.	65	24	15	9	5	4	3	125
TMC peak periods (cars, trucks, bike & ped)	55	35	12	6	2	1	3	94
Trucks- Classification – same as ADT								

## **FY 2015 UPWP DCHC MPO Task Description and Summary Narrative**

### 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 LRTP Targets. The MPO will develop methodology for tracking multi-modal PMT. This information will help to develop performance measures required by MAP 21 and also help determine if the Plan targets are being met. This will feed into the Highway Performance Monitoring System (HPMS). The LPA will continue to generate VMT metric from the Triangle Regional Model.

### Task II-A-3: Street System Mileage Change

The MPO will 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 Town of Chapel Hill, the Town of Carrboro, and the City of Durham will obtain 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. This data will also feed into the MPO Performance measures as required by MAP-21.

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

The LPA will collect 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 (3) year period within the MPO Metropolitan Planning Boundary. This task will align, build off of 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 develop the FY 2015 MPO Safety Report.

### Task II-A-5: Transit System Data

The LPA will undertake a comprehensive transit system data collection effort during this fiscal year. Transit data will be collected for the four MPO transit providers, the Durham Area Transit Authority (DATA), Chapel Hill Transit (CHT), the Triangle Transit Authority (TTA) and Duke University Transit. This will include APC data to evaluate transit service performance, route productivity, and develop standards. Transit 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, DATA, Duke and TTA (fall 2013 and spring 2014) as follows: stop level, trip level, time period (peak/non peak) level, segment by trip, segment by time period, spatial analysis (TAZ and Census Tract) and micro analysis (system level). The variables to be collected include but are not limited to:

## FY 2015 UPWP DCHC MPO Task Description and Summary Narrative

Route/Line  
 Trip Start Time  
 Average Number of Riders  
 Average Passengers Per Hour  
 Average Passengers Per Mile  
 Average Load  
 Average Max Load  
 Average Load Factor  
 Total distance traveled  
 Average Passenger Trip Length  
 Average Velocity  
 Average Actual Run Time  
 Scheduled Run Time  
 Average Passenger Miles  
 Average Passenger Hours  
 Average Dwell Time  
 Number of Samples per trip  
 Total Actual Run Time  
 Total Scheduled Run Time

Temporal resolution: Average Weekday, Saturday, Sunday, and peak periods.  
 Time Period. Where: Time Period 1 is 3am – 5:59am; Time Period 2 is 6am – 8:59am; Time Period 3 is 9am – 2:59pm; Time Period 4 is 3pm – 5:59pm and Time Period 5 is 6pm – 2:59am.

Spatial resolution to include leg, TAZ, Census Block and Census Tracks.

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

The LPA will maintain inventory of dwelling units and population to track changes and to compare with assumptions used in the adopted MTP and CTP. Changes in developments 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 2040 Metropolitan Transportation Plan (2040 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 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

## FY 2015 UPWP DCHC MPO Task Description and Summary Narrative

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 special generator on the regional transportation system as well as to identify needs for additional services.

### Task II-A-9: Travel Time Studies

The MPO will continue 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 is proposing collecting highway/auto travel time and speed along 124 facilities and transit travel time/speed on approximately 85 routes (including TTA route) within the DCHC MPO planning area.

<b>Traffic Counts : Number of Data Collection Locations</b>								
<b>Number of Locations/Facilities by Jurisdiction - FY 2015</b>								
Data Type	Durham	Dur County	Chapel Hill	Carrboro	Hillsborough	Orange	Chatham	Total
Travel Time	35	30	5	3	8	3	6	90

### Task II-A-10: Mapping

This task will 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 GIS Online portals
- GIS online mappings
- Maintenance and development of updated MPO data collection maps
- Transit APC mapping
- Updated transit routes, stops, segments with attributes.

## FY 2015 UPWP DCHC MPO Task Description and Summary Narrative

- Maintain project inventory 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 NAVTED 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.

### 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 the development of performance measure. The proposed inventory will provide accurate inputs for the travel model update as well as help identify future sidewalk project needs, 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 2035 LRTP and 2040 MTP support and encourage 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 the planning and mapping tool 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 measure. The proposed inventory will provide accurate inputs for the travel model update as well as help identify future sidewalk project needs, guide pedestrian improvement planning, and to support specific projects, such as the Comprehensive Bicycle Plan and 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 the MAP-21 performance measures development. The inventory will guide pedestrian improvement planning, and to support specific projects, such as the Comprehensive Bicycle Plan, Comprehensive Pedestrian Plan, development of Transportation Alternatives (TA) funding allocation criteria, etc.

## FY 2015 UPWP DCHC MPO Task Description and Summary Narrative

Bike & Pedestrian Counts : Number of Data Collection Locations								
Number of Locations/Facilities by Jurisdiction -FY 2015								
Data Type	Durham	Dur County	Chapel Hill	Carrboro	Hillsborough	Orange	Chatham	Total
Bike & Pedestrian Count (mid block, int, 12-hour)	60	12	30	15	5	4	4	130

### II-B: Long Range Transportation Plan Activities

Federal Law (as updated by SAFETEA\_LU) and USDOT's Metropolitan Planning Regulations require the MPO to have a Long-Range Transportation Plan (LRTP) that is: multi-modal, financially constrained, has a minimum 20 year horizon, adheres to the MPO's adopted Public Involvement Policy (PIP), have growth forecasts consistent with latest planning assumptions and local land use plan, meet air quality conformity and be approved by the Transportation Advisory Committee. The LRTP must be updated and reaffirmed every 4 years. The DCHC will continue tasks associated with the development of the comprehensive transportation plan as well as commence data collection preparation for the 2015 model base year. The MPO will continue to work on the development of strategy and procedure for timely and efficient development of the 2045 MTP.

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

This work element 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:

## FY 2015 UPWP DCHC MPO Task Description and Summary Narrative

*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

LPA staff will continue to be involved in the development, enhancement and update of the Triangle Regional Model (TRM). Specifically, work in this period will focus on the development, calibration and development of Version 6 of the model and preparatory work for version 7. 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, training of internal and member agencies' staff, 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 the travel models are developed in a coordinated manner according to future needs and expectations. Consultants and University partnership/ assistance will be utilized in undertaking work activities under this task. Modeling activities proposed under this work element also cover advanced transit studies that include improvements on transit data collection methods and innovative methods of conducting transit surveys. The results of these studies will increase the quality of the transit forecasting models that are used in the New Starts application process.

The DCHC MPO in concert with CAMPO, NCDOT and the Triangle Transit develops and maintains a state of the practice 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, STOP/TIP prioritization, Mobility funds ranking and loop prioritization, by TTA in new Start analysis and fixed guideway transit, and by local and state agencies for development impacts analysis and scenario planning. The main thrusts of the modeling work task proposed herein are summarized as follows:

- 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.

## FY 2015 UPWP DCHC MPO Task Description and Summary Narrative

- Ensure that TRM base year and futures years are ready for MTP alternative evaluation at least 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 and 7 and 2045 MTP. Update of the Triangle Regional Model (TRM) including improvements, enhancements and major updates. Proposed tasks include model sub-area enhancement and other improvements identified during the development of the 2040 MTP such as:

- Capacities revision
- Parking enhancement/parking choice
- Performance measures automation
- Net Manager Update
- Transit select link tools
- Population synthesizer
- Peak hour highway and transit demand forecasts
- Peak spreading
- Employee categorization/place of residence
- Free flow speed
- Destination choice improvements
- Script and input file modification and enhancement
- Integration of TRM and Moved
- Explore dynamic assignment

### Task II-B-4: Travel Surveys

The DCHC MPO along with the other TRM stakeholders will undertake travel behavior survey (household survey) and Transit Onboard survey. The survey will be managed by the TRM Service Bureau, however the 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 MPO proposes to undertake preliminary work associated with the 2045 Goals and Objectives. The MPO will begin the process of facilitating local input for the Community Goals and Objectives section of the 2045 MTP. General input on community transportation priorities may also be sought

## **FY 2015 UPWP**

### **DCHC MPO Task Description and Summary Narrative**

under this task listing. Although it is realized that the development of the 2045 MTP may primarily occur in FY15-16 and the subsequent fiscal year or years, the MPO proposes to prepare for the MTP development in advance.

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

MPO will generate travel demand forecasts for future years including the LRTP horizon and air quality intermediate years. 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 the CTP, 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 LRTP

The MPO will continue with the evaluation of highway elements of the Comprehensive Transportation Plan and the MTP. Performance measures will be established for evaluating highway alternatives.

#### Task II-B-10: Transit Element of the LRTP

The MPO will continue with the 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, highway capacity transit and demand-response transit. Using travel behavior, ridership forecasts and other analysis, evaluation of transit element will look at unmet needs, new service areas and potential markets. Performance measures will be established for evaluating transit alternatives.

The MPO will continue to coordinate with TTA and other regional partners regarding the development of the regional commuter rail and light rail. Specifically, the MPO will conduct planning and studies for highway capacity transit and circulator transit 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 LRTP

The MPO will continue with the evaluation of bicycle and pedestrian elements of the Comprehensive Transportation Plan and the MTP. The MPO will continue work on the Durham Comprehensive pedestrian Plan and the Old Durham-Chapel Hill Road bicycle and pedestrian feasibility study. Work will commence on the development of the Durham Comprehensive Bicycle Plan. The MPO will solicit consulting help in the development of the MPO bicycle and pedestrian educational brochures and pamphlets as well as Durham County bike map.

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### Task II-B-12: Airport/Air Travel Element of LRTP

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.

### Task II-B-13: Collector Street Element of LRTP

No activity proposed during this UPWP period.

### Task II-B-14: Rail, Water, or other mode of LRTP

The MPO will work with NCDOT Rail Division and CAMPO regarding rail transportation in the Triangle. Work proposed includes but is not limited to survey of rail plans, relationship to the MPO Metropolitan Transportation Plan and Comprehensive Transportation Plan, programmatic impacts, etc.

### Task II-B-15: Freight Movement/Mobility Planning

MPO will undertake tasks associated with urban goods movement, specifically freight accessibility and mobility. Tasks to be undertaken include survey of freight carriers, recommendations for improving truck mobility or train/truck intermodal movements, and identifying acceptable truck routes. The MPO will work with CAMPO, RTA, and NCDOT regarding the formation of regional freight stakeholder's advisory group.

### Task II-B-16: Financial Planning

The Town of Chapel Hill will examine financial options for funding proposed transportation projects and programs, including review the financial planning assumptions/ projections in the 2040 LRTP and update of the Orange County Financial plan based on the collection of the half-cent sales tax.

### Task II-B-17: Congestion Management Systems Strategies

The MPO will work to implement and monitor the Congestion Management Process (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.

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

The DCHC MPO (the Transportation Advisory Committee) is responsible for making a determination as to whether or not transportation plans, programs, and projects (LRTP and TIP) conform to air quality standards and the intent of the SIP. The LPA will continue to provide technical support to the TAC and TCC regarding air quality planning. In addition the LPA will continue participation in the development and application of State Implementation Plans for air quality, participation in the statewide interagency consultation, and providing assistance to NCDENR in developing and maintaining mobile source emission inventories.

## **FY 2015 UPWP DCHC MPO Task Description and Summary Narrative**

### **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) support 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 reauthorization 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 administer the FY 2014-2015 UPWP and prepare and process amendments as needed, evaluate transportation planning work needs and emphasis areas and prepare the FY 2015-2016 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 FY 2015. 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.

### **Task III-B: Transportation Improvement Program (TIP)**

The LPA will 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 STP 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 update and amend the current seven-year program of transportation improvement projects (MTIP) that is consistent with the 2030 Long-Range Transportation Plan, STIP, the State Implementation Plan (SIP), EPA Air Quality Conformity Regulations 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

## FY 2015 UPWP DCHC MPO Task Description and Summary Narrative

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 2000 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-4: Planning for the Elderly & Disabled

The MPO will continue to emphasize planning and provision of transportation facilities and services for the elderly and disabled. Specifically, the MPO will update inventory of locations and needs of elderly and disabled persons. The MPO will work with transit operators in the planning and evaluation of para-transit services.

### Task III-C-6: Public Involvement

The MPO will continue 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

## **FY 2015 UPWP DCHC MPO Task Description and Summary Narrative**

distributing the MPO's newsletter, implementing other social media (Twitter, YouTube postings and Facebook), and maintaining the 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 be involved in the East End Connector NEPA process including taking the lead in the public involvement process. 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 Community Viz, ADA Transition plan, ITS deployment plan update, GIS enterprise/GIS online, non-motorized trip model update, Land-use model update, etc.

#### **Task III-D-4: Regional or Statewide Planning**

The MPO will continue to coordinate with CAMPO, TTA, NCDOT, DENR, FHWA, FTA, EPA, and other State and regional agencies in regional transportation. This includes participation in the DCHC-CAMPO joint TAC meetings, TTA 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 Comprehensive Transportation Plan.

### **Task III-E: Management and Operations**

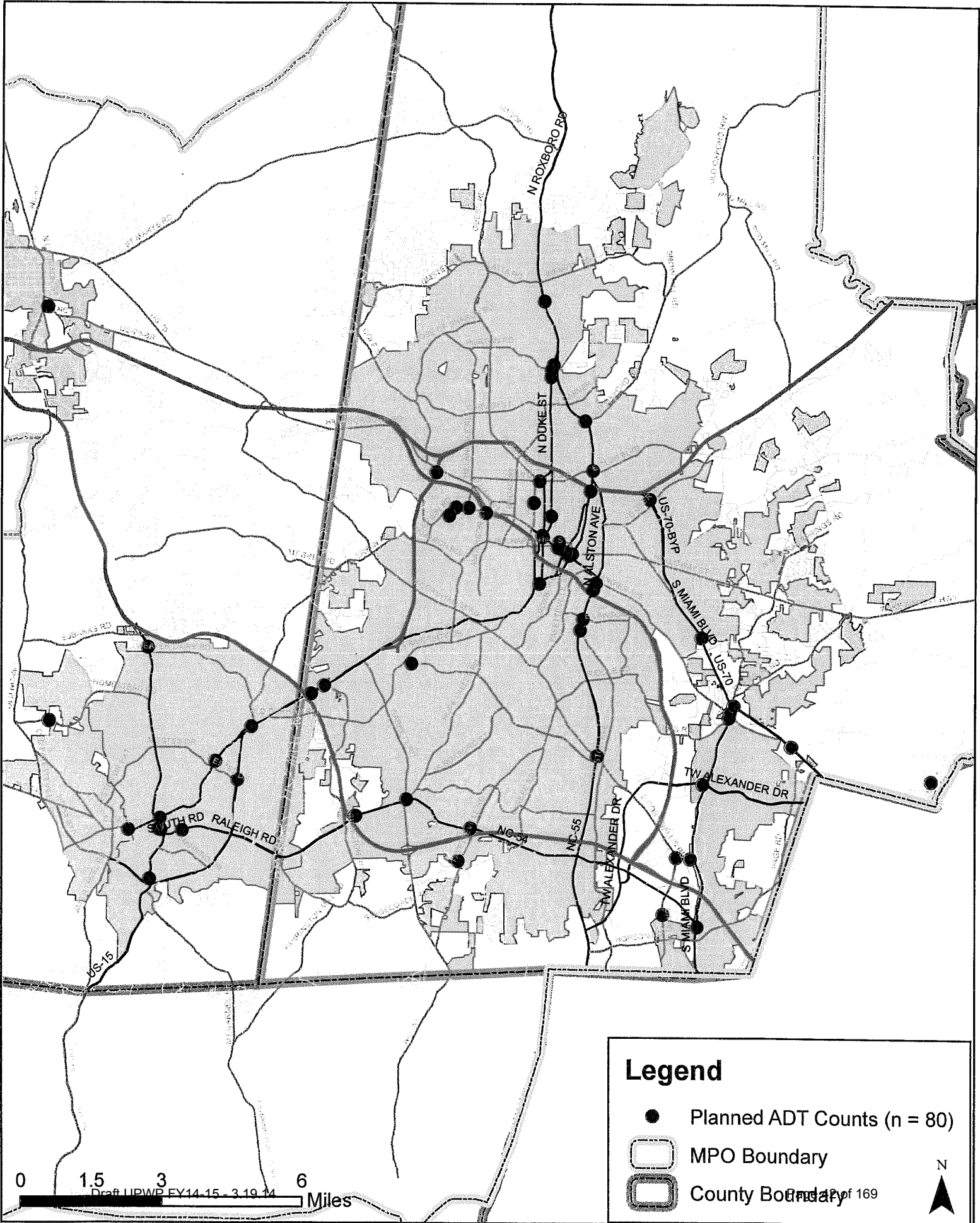
The thrust of this work program is to assist, support, and facilitate an open Comprehensive, Cooperative, and Continuing (3C) transportation planning and programming process at all levels of government in conformance with applicable federal and state requirements and guidelines as described in the 3C Memorandum of Understanding. 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 to 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 STP-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

## **FY 2015 UPWP DCHC MPO Task Description and Summary Narrative**

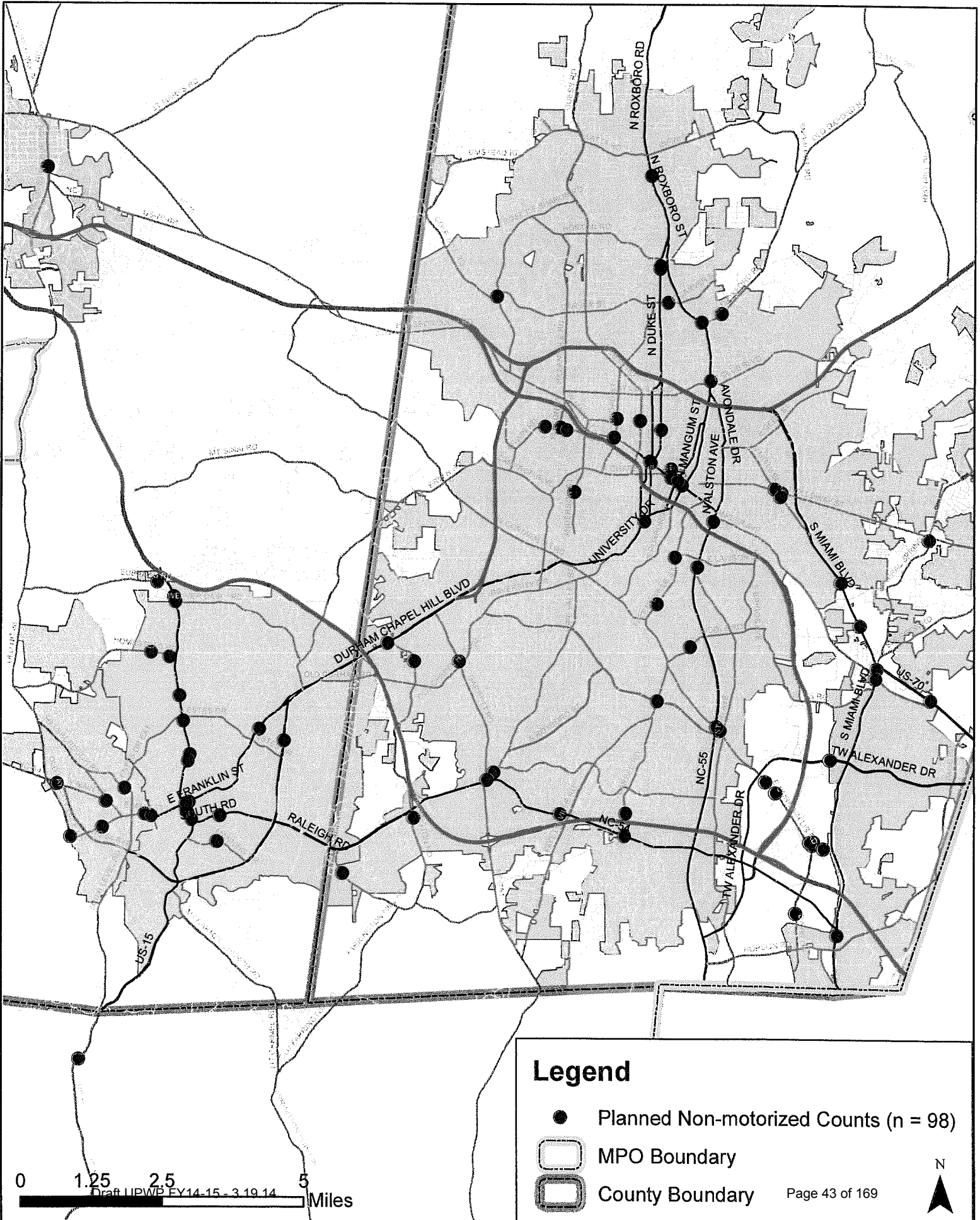
oversight of and reporting on the progress of projects listed in the UPWP, and the establishment of work priorities in light of MPO needs. Proposed tasks include but are not limited to:

1. Provide liaisons between DCHC MPO member agencies, transit providers, CAMPO, NCDOT, DENR, 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 Capital Area Metropolitan Planning Organization (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 Transportation Advisory Committee (TAC) and other member jurisdictions policy bodies.
8. Participate in Joint CAMPO/DCHC TCC and TAC meetings as a means 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.

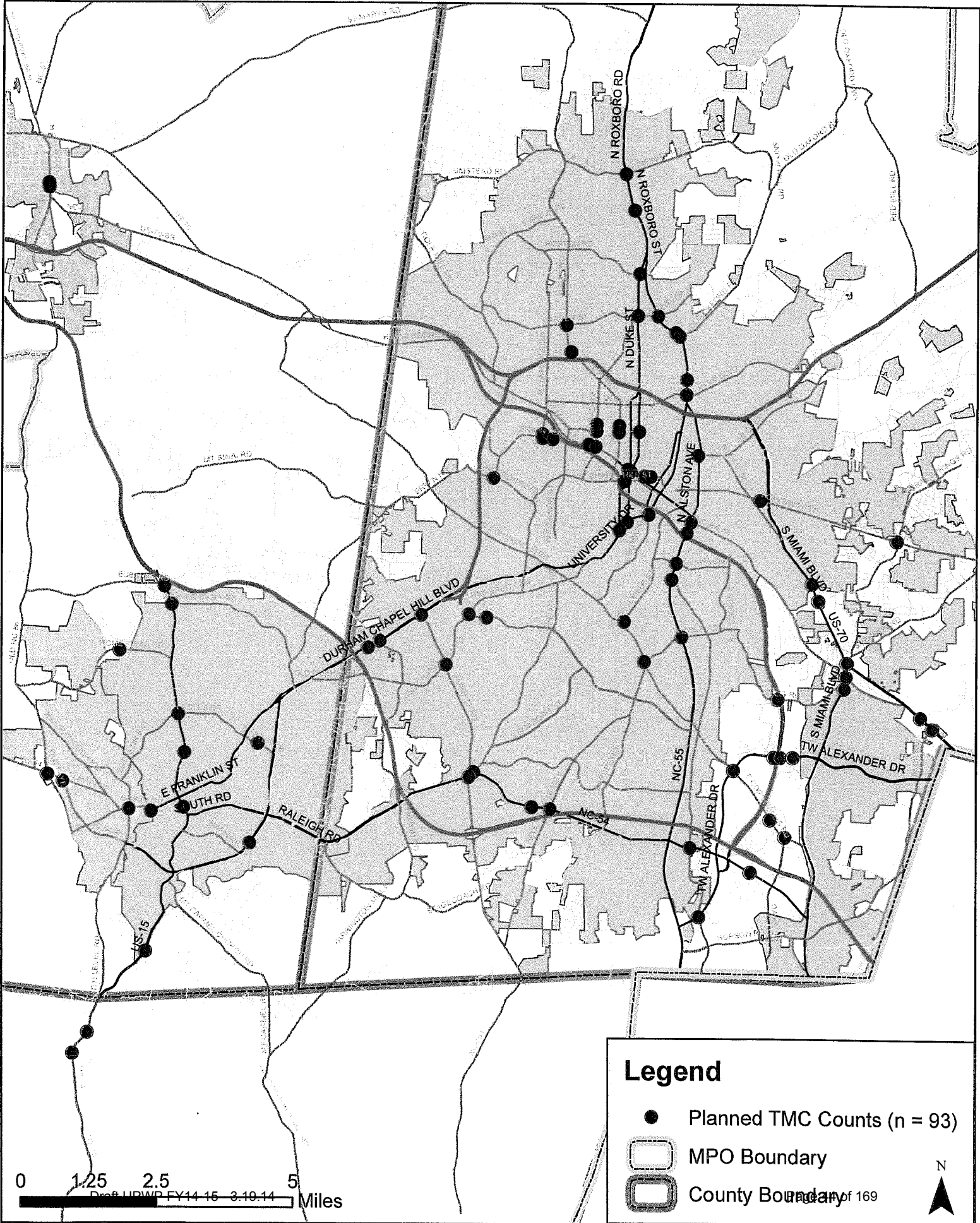
# FY2015 Data Collection Plan (ADT)



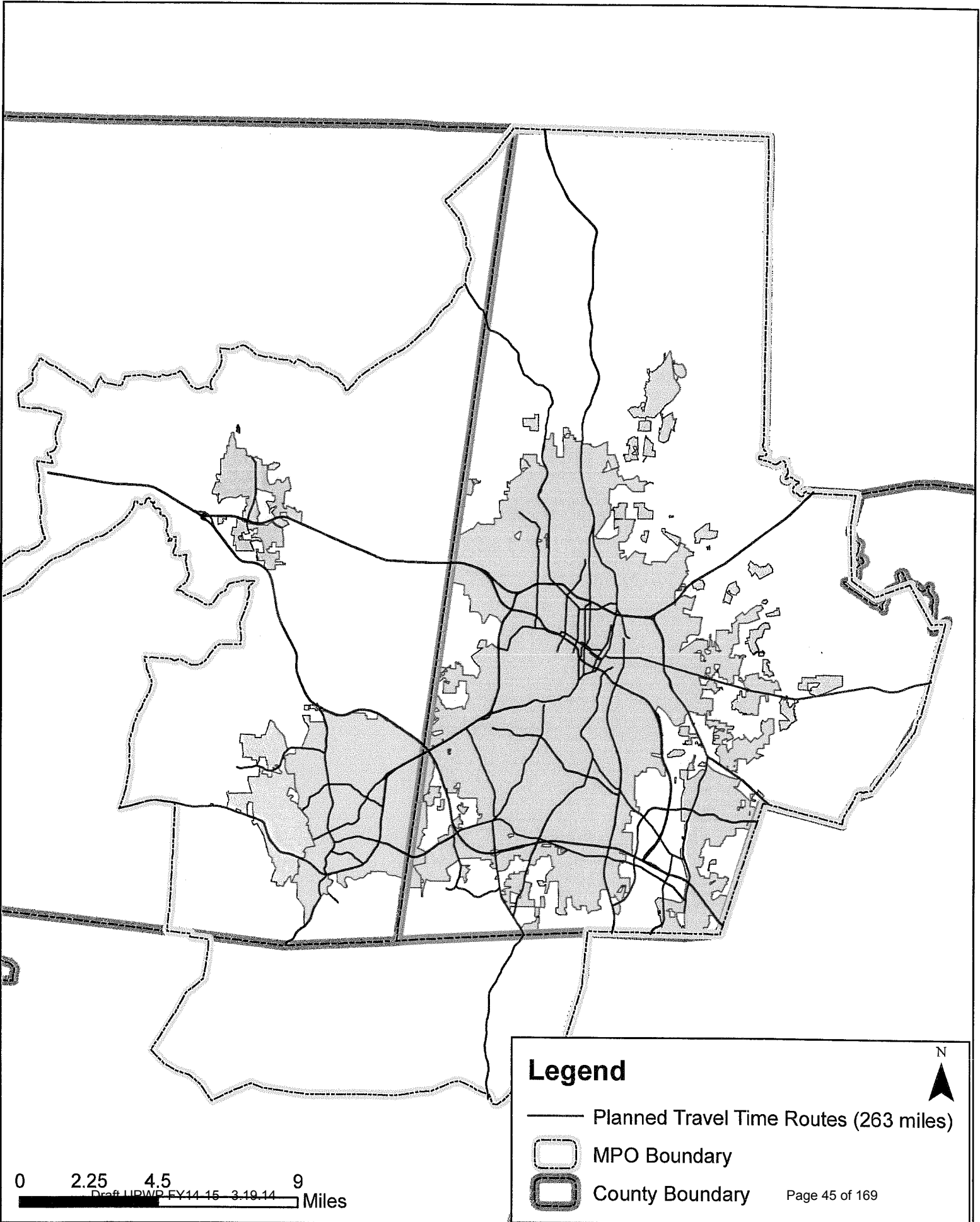
# FY2015 Data Collection Plan (Nonmotorized)



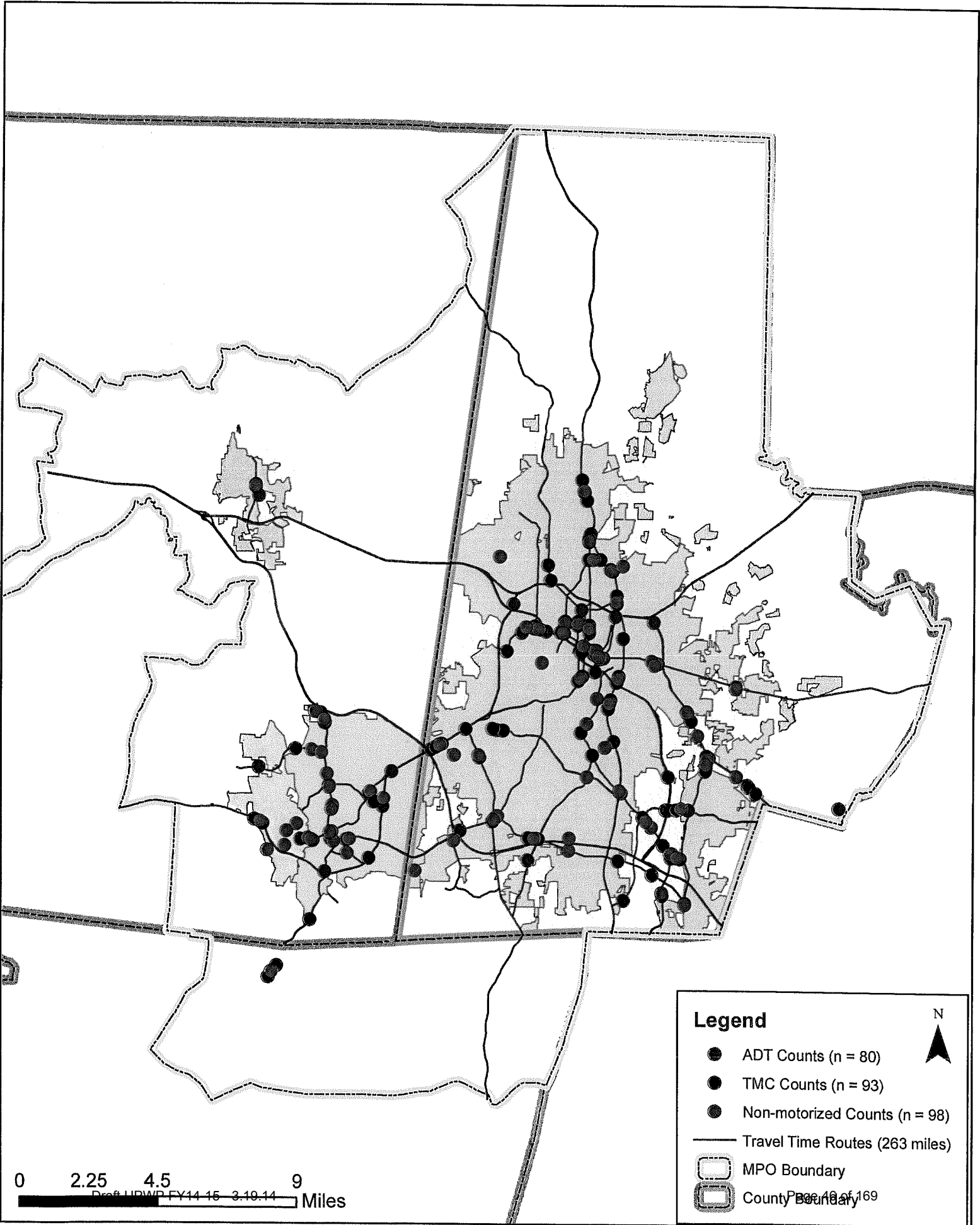
# FY2015 Data Collection Plan (TMC)



# FY2015 Data Collection Plan (Travel Time)



# FY2015 Data Collection Plan





**MPO**  
**Title VI Review Questions & Requested Items**

**Instructions:** Answer each Yes or No question and indicate if the requested information is attached with an "X" mark. Please attach electronic documents and number each attachment to match the question. Use your tab button to move between the questions and your space bar to check the appropriate box. Please save as a PDF before returning.

1. Does the MPO have an <b>active</b> Title VI Nondiscrimination Program?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, please attach any records or reports you consider sufficient to demonstrate that the program is being implemented.	Attached <input type="checkbox"/>
2. Does the MPO disseminate any information or documents throughout its organization and publicly, including information pertaining to the Title VI program?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, please attach a list of what you distribute <i>internally</i> and <i>externally</i> .	Attached <input type="checkbox"/>
• Has the MPO translated any documents into languages other than English?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, attach a list of documents you have translated and samples of translated materials.	Attached <input type="checkbox"/>
3. Identify the MPO's Title VI Coordinator ( <i>Civil Rights Officer</i> ) by name and title:	
• Are Title VI duties included in the Coordinator's <b>primary</b> job description?	YES <input type="checkbox"/> NO <input type="checkbox"/>
• Has the Coordinator or officer been given the authority to effectively administer your Title VI Program?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o Please attach a copy of your organizational chart.	Attached <input type="checkbox"/>
4. Does the MPO have an <b>approved</b> Language Assistance Plan or procedures for persons with Limited English Proficiency (LEP)?	YES <input type="checkbox"/> NO <input type="checkbox"/>
• Does the MPO conduct four-factor analyses, as required by USDOT LEP guidelines?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, please attach a copy of your plan or procedures <b>and</b> a copy of a four-factor analysis you have conducted, if one isn't including in your Plan.	Attached <input type="checkbox"/>
5. Does the MPO ensure that decision-making and programs are sensitive to the needs of minorities and other traditionally underserved populations ( <i>e.g., minorities, disabled, low-income, elderly, children, LEP</i> )?	YES <input type="checkbox"/> NO <input type="checkbox"/>
6. Does the MPO utilize appointed groups such as planning commissions or Citizens Advisory Committees?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, attach a list of each of your appointed groups, including the name, race/ethnicity and gender of each current member ( <i>e.g., John Doe, B/M; Jane Doe, H/F, etc.</i> ), and their affiliations ( <i>e.g., Hispanic Chamber of Commerce, NAACP, private organizations</i> ).	Attached <input type="checkbox"/>
7. Does the MPO have internal discussions or meetings about your nondiscrimination program or obligations?	YES <input type="checkbox"/> NO <input type="checkbox"/>
• If requested onsite, could evidence be provided to verify this?	YES <input type="checkbox"/> NO <input type="checkbox"/>
8. Does the MPO ever seek guidance from external agencies like NCDOT, FHWA and FTA, regarding your obligations?	YES <input type="checkbox"/> NO <input type="checkbox"/>
9. In general, are you satisfied with the number of people (members of the general public) who shows up at your public meetings?	YES <input type="checkbox"/> NO <input type="checkbox"/>

FFY 2013 Title VI Review

10. Does the MPO's Public Involvement Plan include information and procedures on: <ul style="list-style-type: none"> <li>• How to reach traditionally underserved populations (<i>e.g., minorities, disabled, low-income, elderly, children, LEP</i>)?</li> <li>• How to ensure that members of the public understand the rights afforded to them under Title VI and other nondiscrimination authorities?</li> </ul>	YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
11. Has the Title VI Coordinator received any civil rights training in the last <b>three</b> years? <ul style="list-style-type: none"> <li>• Does the MPO provide civil rights training to its staff, sub-recipients, or contractors?</li> <li>• Does the MPO have a civil rights training plan or schedule?</li> </ul>	YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
12. Does the MPO consider and incorporate the needs of persons with disabilities in: <ul style="list-style-type: none"> <li>• Planning</li> <li>• Programming</li> <li>• Facilities</li> </ul>	YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
13. Does the MPO provide reasonable accommodations to disabled applicants, employees and participants of public meetings? <ul style="list-style-type: none"> <li>• Does the MPO have a process for notifying members of the public that meeting locations and formats are accessible to persons with disabilities?</li> </ul>	YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
14. Does the MPO or Lead Planning Agency have an ADA Transition Plan?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, attach a copy of your Transition Plan.	Attached <input type="checkbox"/>
15. Does the MPO collect and analyze data on participants and beneficiaries of its programs and services <b>for the purpose of monitoring</b> whether program funds are reaching traditionally underserved groups ( <i>e.g., minorities, disabled, low-income, elderly, children, LEP</i> )?	YES <input type="checkbox"/> NO <input type="checkbox"/>
16. Does the MPO monitor the work and activities of sub-recipients and contractors <b>for the purpose of determining</b> if they are in compliance with their nondiscrimination obligations? <ul style="list-style-type: none"> <li>• Does the MPO physically incorporate Title VI Assurances into all contracts and agreements?</li> <li>• Does the MPO maintain records and reports to validate its monitoring activities?</li> </ul>	YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, attach any records, reports or contracts that demonstrate your monitoring activities ( <i>e.g., meeting minutes, emails, compliance reviews</i> ).	Attached <input type="checkbox"/>
17. Does the MPO contract with women and minority owned businesses?	YES <input type="checkbox"/> NO <input type="checkbox"/>
18. To your knowledge, has the MPO received any discrimination complaints against itself or any of its member jurisdictions or contractors since in the last <b>three</b> years?	YES <input type="checkbox"/> NO <input type="checkbox"/>
o If yes, please attach a copy of your complaints log.	Attached <input type="checkbox"/>
19. Does the MPO produce or submit reports to federal or state agencies regarding its Title VI compliance efforts?	YES <input type="checkbox"/> NO <input type="checkbox"/>

FFY 2013 Title VI Review

**DCHC MPO 5-Year Unified Planning Work Program  
July 1, 2014 to June 30, 2019**

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	1	2	3	4	5
FY	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Period	2014-15	2015-16	2016-17	2017-18	2018-19
	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016	July 1, 2016-June 30, 2017	July 1, 2017-June 30, 2018	July 1, 2018-June 30, 2019
<b>1</b>	<b>Surveillance of Change/ Data monitoring</b>	<b>Surveillance of Change/ Data monitoring</b>	<b>Surveillance of Change/ Data monitoring</b>	<b>Surveillance of Change/ Data monitoring</b>	<b>Surveillance of Change/ Data monitoring</b>
1.1	ADT count and TMC annual and seasonal	ADT count and TMC annual and seasonal	ADT count and TMC annual and seasonal	ADT count and TMC annual and seasonal	ADT count and TMC annual and seasonal
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	Street System Changes update	Street System Changes update	Street System Changes update	Street System Changes update
1.4	Traffic accidents data	Traffic accidents data	Traffic accidents data	Traffic accidents data	Traffic accidents data
1.5	Transit system data	Transit system data	Transit system data	Transit system data	Transit system data
1.6	Housing, POP, Emp. data	Housing, POP, Emp. data	Housing, POP, Emp. data	Housing, POP, Emp. data	Housing, POP, Emp. data
1.7	Air travel	Air travel	Air travel	Air travel	Air travel
1.8	VOC	VOC	VOC	VOC	VOC
1.9	Travel Time	Travel Time	Travel Time	Travel Time	Travel Time
1.10	Mapping	Mapping	Mapping	Mapping	Mapping
1.11	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
<b>2</b>	<b>Unified Planning Work Program (UPWP)</b>	<b>Unified Planning Work Program (UPWP)</b>	<b>Unified Planning Work Program (UPWP)</b>	<b>Unified Planning Work Program (UPWP)</b>	<b>Unified Planning Work Program (UPWP)</b>
2.1	Amend UPWP as necessary	Amend UPWP 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 2016 UPWP	Develop FY 2017 UPWP	Develop FY 2018 UPWP	Develop FY 2019 UPWP	Develop FY 2020 UPWP
2.5	UPWP financial management	UPWP financial management	UPWP financial management	UPWP financial management	UPWP financial management
	Grant monitoring and audit	Grant monitoring and audit	Grant monitoring and audit	Grant monitoring and audit	Grant monitoring 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
<b>3</b>	<b>Long-Range Transportation Plan (LRTP)/MTP</b>	<b>Long-Range Transportation Plan (LRTP)/MTP</b>	<b>Long-Range Transportation Plan (LRTP)/MTP</b>	<b>Long-Range Transportation Plan (LRTP)/MTP</b>	<b>Long-Range Transportation Plan (LRTP)/MTP</b>
3.1	Amendment of the 2040 LRTP for AQ analysis and conformity as necessary	Goals, Objectives and targets for 2045 LRTP	Approval of the 2045MTP for AQ analysis and conformity	Initiate work on Community Viz 3.0 and scenario planning set up and preparation	Continue work associated with the update of the MPO Goals, Objectives and targets for 2050 MTP
3.2	Model Update for 2045 LRTP analysis	SE data collection and Forecasts for 2045 LRTP	CTP components- Highway, transit, bicycle and pedestrian vision plans	Community vision setting work commences	SE data collection and Forecasts for 2050 MTP
3.3	Inter-Agency Consultation process	Deficiency analysis and need assessment	AQ analysis and conformity determination process	Goals, Objectives and targets for 2050 MTP	Deficiency analysis and need assessment
3.4	CTP update	Generation of alternatives and evaluation of alternatives	Inter-Agency Consultation process	initiate work associated with SE data collection and Forecasts for 2050 MTP	Community Viz and scenario planning process continue.
3.5	Land-use Scenario analysis	Land-use Scenario analysis		Deficiency analysis and need assessment	Employment Analyst work continues
3.6	2045 LRTP Visioning process	Financial analysis	Financial analysis	Inter-Agency Consultation process	Inter-Agency Consultation process
3.7		Selection of Preferred options	Selection of Preferred options	Community Viz work commences.	
<b>4</b>	<b>Travel Demand Model Development and Update</b>	<b>Travel Demand Model Development and Update</b>	<b>Travel Demand Model Development and Update</b>	<b>Travel Demand Model Development and Update</b>	<b>Travel Demand Model Development and Update</b>
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

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	1	2	3	4	5
FY	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Period	2014-15	2015-16	2016-17	2017-18	2018-19
	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016	July 1, 2016-June 30, 2017	July 1, 2017-June 30, 2018	July 1, 2018-June 30, 2019
4.2	Collection of 2013 base year data- traffic counts, transit, etc	Model Update for 2045 LRTP analysis	Model Update for 2045 LRTP analysis	Model Update for 2045 LRTP analysis	Model Update for 2045 LRTP analysis
4.3	Collection & development of 2013 networks	Processing of travel behavior survey.	Estimation of TRM V7	Estimation of TRM V7 continues	
4.4	Socio-economic and demographic data collection and forecasts	Processing of transit onboard survey.			
4.5	Household survey & Transit OnBoard				
4.6	TRM V6				
4.7	Base year model calibration and validation		TRM V7 base year model calibration and validation		
5	<b>Bicycle &amp; Pedestrian Planning</b>	<b>Bicycle &amp; Pedestrian Planning</b>	<b>Bicycle &amp; Pedestrian Planning</b>	<b>Bicycle &amp; Pedestrian Planning</b>	<b>Bicycle &amp; Pedestrian Planning</b>
5.1	On-going bike and pedestrian advocacy	On-going bike and pedestrian advocacy	On-going bike and pedestrian advocacy		
5.2		Update of the Comprehensive Pedestrian Plan	Update of the Comprehensive Bicycle Plan. Update of the Regional Bike Plan	on-going implementation of the bike and pedestria plans	on-going implementation of the bike and pedestria 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
6	<b>Short-Range Transit Plan</b>	<b>Short-Range Transit Plan</b>	<b>Short-Range Transit Plan</b>	<b>Short-Range Transit Plan</b>	<b>Short-Range Transit Plan</b>
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	Transit Development Plan (TDP) TTA		Transit Development Plan (TDP) CHT & TTA	Transit survey	Transit survey
7	<b>Congestion Management Process (CMS/CMP)</b>	<b>Congestion Management Process (CMS/CMP)</b>	<b>Congestion Management Process (CMS/CMP)</b>	<b>Congestion Management Process (CMS/CMP)</b>	<b>Congestion Management Process (CMS/CMP)</b>
7.1					
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		Establishment of Area of application & reevaluation of definition of congestion		Establishment of Area of 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	<b>TIP</b>	<b>TIP</b>	<b>TIP</b>	<b>TIP</b>	<b>TIP</b>
		Develop final draft 2016-2022 MTIP. TIP conformity determination		Develop final draft 2018-2024 MTIP. TIP conformity determination	Develop final draft 2018-2024 MTIP. TIP conformity determination

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	1	2	3	4	5
FY	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Period	2014-15	2015-16	2016-17	2017-18	2018-19
	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016	July 1, 2016-June 30, 2017	July 1, 2017-June 30, 2018	July 1, 2018-June 30, 2019
		TAC Approves 2016-2022 MTIP		TAC Approves 2018-2024 MTIP	
	Update TIP ranking & project prioritization methodology as necessary	BOT Approves 2016-2022 STIP	Update TIP ranking & project prioritization methodology as necessary	BOT Approves 2018-2024 STIP	
	Develop & submit TIP Project Priority List for 2016-2022 TIP		Develop & submit TIP Project Priority List for 2018-2024 TIP		
	Review draft STIP and prepare analysis comparison. Generate financial & revenue information for MTIP		Review draft STIP and prepare analysis comparison. Generate financial & revenue information for MTIP		
	One-on-one discussion between the MPO and NCDOT		One-on-one discussion between the MPO and NCDOT		
	Development 2013-2019 MTIP . Public input and comment process.		Development 2015-2021 MTIP . Public input and comment process.		
	Process MTIP amendments as needed	Process MTIP amendments as needed	Process MTIP amendments as needed		
	Annual TIP project Listing	Annual TIP project Listing	Annual TIP project Listing		
<b>9</b>	<b>Title VI/Civil Rights/EJ</b>	<b>Title VI/Civil Rights/EJ</b>	<b>Title VI/Civil Rights/EJ</b>	<b>Title VI/Civil Rights/EJ</b>	<b>Title VI/Civil Rights/EJ</b>
		Update EJ Plan and LEP program, and evaluate effectiveness of program and outreach efforts		Update EJ Plan and LEP program, and evaluate effectiveness of program and outreach efforts	Update EJ Plan and LEP program, and evaluate effectiveness of program 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
<b>10</b>	<b>Public Involvement/Participation Plan (PIP/PPP)</b>	<b>Public Involvement/Participation Plan (PIP/PPP)</b>	<b>Public Involvement/Participation Plan (PIP/PPP)</b>	<b>Public Involvement/Participation Plan (PIP/PPP)</b>	<b>Public Involvement/Participation Plan (PIP/PPP)</b>
	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
<b>11</b>	<b>Project Development &amp; Incidental Planning</b>	<b>Project Development &amp; Incidental Planning</b>	<b>Project Development &amp; Incidental Planning</b>	<b>Project Development &amp; Incidental Planning</b>	<b>Project Development &amp; Incidental Planning</b>
	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
	Northern Durham Parkway/US 70 NEPA study. I 40 feasibility study, US 15501 feasibility study	Pre-TIP project planning and coordination	Pre-TIP project planning and coordination	Pre-TIP project planning and coordination	Pre-TIP project planning and coordination

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	1	2	3	4	5
FY	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Period	2014-15	2015-16	2016-17	2017-18	2018-19
	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016	July 1, 2016-June 30, 2017	July 1, 2017-June 30, 2018	July 1, 2018-June 30, 2019
<b>12</b>	<b>Land-use &amp; Transportation integration</b>	<b>Land-use &amp; Transportation integration</b>	<b>Land-use &amp; Transportation integration</b>	<b>Land-use &amp; Transportation integration</b>	<b>Land-use &amp; Transportation integration</b>
	Community Viz and UrbanSim implementaion and update	Community Viz and UrbanSim implementaion and update	Community Viz and UrbanSim implementaion and update	Community Viz and UrbanSim implementaion and update	Community Viz and UrbanSim implementaion 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		
<b>13</b>	<b>Intelligent Transportation System Planning</b>	<b>Intelligent Transportation System Planning</b>	<b>Intelligent Transportation System Planning</b>	<b>Intelligent Transportation System Planning</b>	<b>Intelligent Transportation System Planning</b>
	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
<b>14</b>	<b>Safety Planning</b>	<b>Safety Planning</b>	<b>Safety Planning</b>	<b>Safety Planning</b>	<b>Safety Planning</b>
	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.
	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
<b>15</b>	<b>Freight Planning</b>	<b>Freight Planning</b>	<b>Freight Planning</b>	<b>Freight Planning</b>	<b>Freight Planning</b>
	on-going freight planning and coordination	on-going freight planning and coordination	on-going freight planning and coordination	on-going freight planning and coordination	on-going 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
<b>16</b>	<b>Transportation System Preservation</b>	<b>Transportation System Preservation</b>	<b>Transportation System Preservation</b>	<b>Transportation System Preservation</b>	<b>Transportation System Preservation</b>
	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
<b>17</b>	<b>GIS Development</b>	<b>GIS Development</b>	<b>GIS Development</b>	<b>GIS Development</b>	<b>GIS Development</b>
	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

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	1	2	3	4	5
FY	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Period	2014-15	2015-16	2016-17	2017-18	2018-19
	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016	July 1, 2016-June 30, 2017	July 1, 2017-June 30, 2018	July 1, 2018-June 30, 2019
	Data development and update. Maintenance and update of TELUDE and applications	Data development and update. Maintenance and update of TELUDE and applications	Data development and update. Maintenance and update of TELUDE and applications	Data development and update. Maintenance and update of TELUDE and applications	Data development and update. Maintenance and update of TELUDE and applications
18	<b>Management and Operations</b>	<b>Management and Operations</b>	<b>Management and Operations</b>	<b>Management and Operations</b>	<b>Management and Operations</b>
	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
	TAC directives	TAC directives	TAC directives	TAC directives	TAC directives
19	<b>Special Studies/State &amp; Regional Planning</b>	<b>Special Studies/State &amp; Regional Planning</b>	<b>Special Studies/State &amp; Regional Planning</b>	<b>Special Studies/State &amp; Regional Planning</b>	<b>Special Studies/State &amp; Regional Planning</b>
	Parking survey/Study	As Needed	As Needed	As needed	As needed

# ***Appendices A***

## ***Federal Highway Administration (FHWA) & Federal Transit Administration (FTA) Agency Funding Tables***

# Lead Planning Agency (LPA)

Draft	Task Description	STP-DA 133(b)(3)(7)			Sec. 104(f) PL			Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
		Local 20%	FHWA 80%	Total	Local 20%	FHWA 80%	Total	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
III-A	Surveillance of Change																			
1	Traffic Volume Counts	\$2,731	\$90,923	\$93,654	\$5,000	\$20,000	\$25,000	0	0	0	0	0	0	0	0	0	0	0	110,923	138,654
2	Vehicle Miles of Travel	\$2,416	\$9,665	\$12,081	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	9,665	12,081
3	Street System Changes	\$552	\$2,209	\$2,762	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	2,209	2,762
4	Traffic Accidents	\$762	\$3,046	\$3,808	\$600	\$2,400	\$3,000	0	0	0	0	0	0	0	0	0	0	0	5,446	6,808
5	Transit System Data	\$300	\$1,200	\$1,500	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	1,200	1,500
6	Dwelling Unit, Pop. & Emp. Change	\$6,337	\$25,346	\$31,683	\$250	\$1,000	\$1,250	0	0	0	0	0	0	0	0	0	0	0	26,346	32,933
7	Air Travel	\$0	\$0	\$0	\$0	\$0	\$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	0	0	0	0	0
9	Travel Time Studies	\$26,606	\$106,423	\$133,029	\$5,000	\$20,000	\$25,000	0	0	0	0	0	0	0	0	0	0	0	126,423	158,029
10	Mapping	\$15,761	\$63,043	\$78,804	\$5,000	\$20,000	\$25,000	0	0	0	0	0	0	0	0	0	0	0	83,043	103,804
11	Central Area Parking Inventory	\$240	\$960	\$1,200	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	960	1,200
12	Bike & Ped. Facilities Inventory	\$454	\$1,815	\$2,269	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	1,815	2,268
13	Bike & Ped. Counts	\$7,367	\$29,467	\$36,834	\$2,500	\$10,000	\$12,500	0	0	0	0	0	0	0	0	0	0	0	39,467	49,334
III-B	Long Range Transp. Plan																			
1	Collection of Base Year Data	\$6,814	\$27,257	\$34,071	\$1,400	\$5,600	\$7,000	0	0	0	0	0	0	0	0	0	0	0	32,857	41,071
2	Collection of Network Data	\$407	\$1,626	\$2,033	\$613	\$2,450	\$3,063	0	0	0	0	0	0	0	0	0	0	0	4,076	5,096
3	Travel Model Updates	\$55,306	\$221,223	\$276,529	\$2,250	\$9,000	\$11,250	0	0	0	0	0	0	0	0	0	0	0	230,223	287,779
4	Travel Surveys	\$26,345	\$105,382	\$131,727	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	105,382	131,727
5	Forecast of Data to Horizon Year	\$5,834	\$23,335	\$29,169	\$1,000	\$4,000	\$5,000	0	0	0	0	0	0	0	0	0	0	0	27,335	34,169
6	Community Goals & Objectives	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Forecast of Future Travel Patterns	\$5,780	\$23,121	\$28,901	\$875	\$3,500	\$4,375	0	0	0	0	0	0	0	0	0	0	0	26,621	33,276
8	Capacity Deficiency Analysis	\$7,797	\$31,187	\$38,984	\$2,500	\$10,000	\$12,500	0	0	0	0	0	0	0	0	0	0	0	41,187	51,483
9	Highway Element of L RTP	\$952	\$3,810	\$4,762	\$900	\$3,600	\$4,500	0	0	0	0	0	0	0	0	0	0	0	7,410	9,262
10	Transit Element of the L RTP	\$1,334	\$5,335	\$6,669	\$750	\$3,000	\$3,750	0	0	0	0	0	0	0	0	0	0	0	8,335	10,419
11	Bicycle & Ped. Element of the L RTP	\$4,004	\$16,017	\$20,021	\$1,000	\$4,000	\$5,000	0	0	0	0	0	0	0	0	0	0	0	20,017	25,021
12	Airport/Air Travel Element of L RTP	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Collector Street Element of L RTP	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Rail, Water or other mode of L RTP	\$513	\$2,051	\$2,564	\$220	\$880	\$1,100	0	0	0	0	0	0	0	0	0	0	0	2,931	3,663
15	Freight Movement/Mobility Planning	\$16,625	\$66,500	\$83,125	\$875	\$3,500	\$4,375	0	0	0	0	0	0	0	0	0	0	0	70,000	87,500
16	Financial Planning	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Congestion Management Strategies	\$10,113	\$40,452	\$50,565	\$4,850	\$19,400	\$24,250	0	0	0	0	0	0	0	0	0	0	0	59,852	74,815
18	Air Qual. Planning/Conformity Anal.	\$859	\$3,436	\$4,295	\$500	\$2,000	\$2,500	0	0	0	0	0	0	0	0	0	0	0	5,436	6,795
III-C	Short Range Transit Planning																			
1	Short Range Transit Planning	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-A	Planning Work Program																			
1	Planning Work Program	\$2,436	\$9,744	\$12,180	\$10,000	\$40,000	\$50,000	0	0	0	0	0	0	0	0	0	0	0	49,744	62,180
III-B	Transp. Improvement Plan																			
1	Transp. Improvement Plan	\$1,308	\$5,234	\$6,542	\$5,000	\$20,000	\$25,000	0	0	0	0	0	0	0	0	0	0	0	25,234	31,542
III-C	Civil Rgts. Cmp/Otr .Reg. Reqs.																			
1	Title VI	\$1,183	\$4,733	\$5,916	\$2,500	\$10,000	\$12,500	0	0	0	0	0	0	0	0	0	0	0	14,733	18,417
2	Environmental Justice	\$1,623	\$6,491	\$8,114	\$1,250	\$5,000	\$6,250	0	0	0	0	0	0	0	0	0	0	0	11,491	14,364
3	Minority Business Enterprise	\$0	\$0	\$0	\$0	\$0	\$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	0	0	0	0	0
5	Safety/Drug Control Planning	\$1,075	\$4,299	\$5,374	\$2,000	\$8,000	\$10,000	0	0	0	0	0	0	0	0	0	0	0	12,299	15,374
6	Public Involvement	\$7,883	\$31,533	\$39,416	\$6,375	\$25,500	\$31,875	0	0	0	0	0	0	0	0	0	0	0	57,033	71,291
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 Ping./Project Dev.																			
1	Transportation Enhancement Ping.	\$0	\$0	\$0	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Enviro. Analysis & Pre-TIP Ping.	\$799	\$3,195	\$3,994	\$375	\$1,500	\$1,875	0	0	0	0	0	0	0	0	0	0	0	4,695	5,869
3	Special Studies	\$33,895	\$135,580	\$169,475	\$0	\$0	\$0	0	0	0	0	0	0	0	0	0	0	0	135,580	169,475
4	Regional or Statewide Planning	\$2,709	\$10,837	\$13,546	\$2,390	\$9,560	\$11,950	0	0	0	0	0	0	0	0	0	0	0	20,397	25,497
III-E	Management & Operations																			
1	Management & Operations	\$23,390	\$93,559	\$116,949	\$18,300	\$73,200	\$91,500	0	0	0	0	0	0	0	0	0	0	0	166,759	208,449
Totals		\$302,508	\$1,210,034	\$1,512,542	\$84,273	\$337,090	\$421,363	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,547,124	\$1,933,905

# City of Durham

- Funding Table
- Task Description and Narrative

City of Durham		Durham-Chapel Hill-Carrboro Urban Area FY 2014-2015 Unified Planning Work Program Proposed Funding Source Tables										Durham 3/6/2014 21:39					
Task Description	STP-DA		Sec. 104(d)		Section 5303			Section 5307			Section 5309			Task Funding Summary			
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
<b>III A</b>																	
<b>Surveillance of Change</b>																	
1 Traffic Volume Counts	0	0	0	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	0	0	0
3 Street System Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Traffic Accidents	0	0	0	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	0	0	0
6 Dwelling Unit, Pop. & Emp. Change	211	845	0	0	0	0	0	0	0	0	0	0	0	211	845	0	1,056
7 Air Travel	0	0	0	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	0	0	0
9 Travel Time Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Mapping	211	845	0	0	0	0	0	0	0	0	0	0	0	211	845	0	1,056
11 Central Area Parking Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bkts & Ped. Facilities Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bkts & Ped. Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>III B</b>																	
<b>Long Range Transp. Plan</b>																	
1 Collection of Base Year Data	0	0	0	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	0	0	0
3 Travel Model Updates	0	0	0	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	0	0	0
5 Forecast of Data to Horizon year	2,147	8,589	0	0	0	0	0	0	0	0	0	0	0	2,147	8,589	0	10,736
6 Community Goals & Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Forecast of Future Travel Patterns	0	0	0	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	0	0	0
9 Highway Element of the L RTP	880	3,520	0	0	0	0	0	0	0	0	0	0	0	880	3,520	0	4,400
10 Transit Element of the L RTP	880	3,520	0	0	0	0	0	0	0	0	0	0	0	880	3,520	0	4,400
11 Bicycle & Ped. Element of the L RTP	31,880	127,520	0	0	0	0	0	0	0	0	0	0	0	31,880	127,520	0	159,400
12 Airport/Air Travel Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Collector Street Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Rail, Water or other mode of L RTP	0	0	0	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	0	0	0
16 Financial Planning	0	0	0	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	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
<b>III C</b>																	
<b>Short Range Transit Planning</b>																	
1 Short Range Transit Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Planning Work Program</b>	598	2,394	0	0	0	0	0	0	0	0	0	0	0	598	2,394	0	2,992
<b>Transp. Improvement Plan</b>	2,640	10,560	0	0	0	0	0	0	0	0	0	0	0	2,640	10,560	0	13,200
<b>III-D</b>																	
<b>Civil Rgts. Cmp./Otr Reg. Reqs.</b>																	
1 Title VI	1,056	4,224	0	0	0	0	0	0	0	0	0	0	0	1,056	4,224	0	5,280
2 Environmental Justice	0	0	0	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	0	0	0
4 Planning for the Elderly & Disabled	0	0	0	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	0	0	0
6 Public Involvement	722	2,886	0	0	0	0	0	0	0	0	0	0	0	722	2,886	0	3,608
7 Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>III-E</b>																	
<b>Incidental Pging/Project Dev.</b>																	
1 Transportation Enhancement Pging.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Enviro. Analysis & Pre-TIP Pging.	3,344	13,376	0	0	0	0	0	0	0	0	0	0	0	3,344	13,376	0	16,720
3 Special Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Regional or Statewide Planning	774	3,098	0	0	0	0	0	0	0	0	0	0	0	774	3,098	0	3,872
<b>Management &amp; Operations</b>																	
1 Management & Operations	2,376	9,504	0	0	0	0	0	0	0	0	0	0	0	2,376	9,504	0	11,880
<b>Totals</b>	\$47,720	\$190,880	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$47,720	\$190,880	\$0	\$238,600

## **Task Descriptions and Summary Narratives for FY 2014-05 Unified Planning Work Program (UPWP): City of Durham**

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

Maintain inventory of dwelling units and population to determine needed changes in transportation services to meet current and projected demands. Review developments to assess impacts to long range plans, including the 2040 Metropolitan Transportation Plan (MTP), the model update, and transportation project development. Changes in dwelling units and employment within the City of Durham will be identified and evaluated to determine accuracy and consistency with the socio-economic forecast. The City of Durham will review and tabulate Census data, local parcel, zoning, tax data records, and InfoUSA and Employment Security Commission data as part of these monitoring tasks.

#### **Objectives:**

1. Check consistency between development proposal and socio-economic/Demographic forecasts.
2. Maintain up-to-date socio-economic and demographic spatial data
3. Monitor development reviews and proposal consistent with the TAC directives and resolution.
4. To monitor changes in dwelling units, population, and employment change; and,
5. To provide current data to the LPA for MPO SE planning activities.

#### **Previous Work:**

Previous work includes but not limited to dwelling unit, population, development data and employment data gathering and monitoring. These pieces of data are integral to many planning and modeling activities.

#### **Proposed Activities:**

1. Review new developments and certificates of occupancy for dwelling unit, population, and employment changes;
2. Obtain data from the Census, InfoUSA, ESC, and local governments;
3. Compare changes to the socio-economic forecast; and,
4. Develop the Data Automation/Integration and Management System to streamline this task.

#### **Products/Deliverables:**

1. Summary reports of socio-economic data;
2. Updated socio-economic data for use in the Triangle Regional Model and other MPO planning activities;
3. Update of Community VIZ 2.0
4. Cooperate with the LPA in Employment Analyst efforts and,
5. City of Durham component of the MPO Data Management, GIS Enterprise and GISOnline.

#### **Relationship to Other Plans and MPO Activities:**

Dwelling unit, population, and employment change data will be used in the Triangle

Regional Model. The Triangle Regional Model is used in many MPO planning activities including the MTP and CMP.

**Completion Date:**

Dwelling unit, population, and employment data will be compiled on a continual basis.

**Proposed Level of Effort (Staff or Consulting):**

Tasks will be undertaken by municipal staff (including interns if needed).

**Proposed Budget:**

Task IIA-6: Dwelling Unit/Pop/Emp. Change

	FHWA	FTA Planning Funds			
	PL/STP-DA	5303	5307	5309	Total
Federal	\$845				\$845
Local	\$211				\$211
State					\$0
Total	\$1,056	\$0	\$0	\$0	\$1,056

**Funding Commitments from Other Entities:**

None.

**Task II-A-10: Mapping**

The City of Durham will continue to undertake tasks associated with mapping and updates to UPWP transportation planning activities such as the CMS, MTP, CTP, TIP, SPOT/Prioritization, traffic counts, bicycle and pedestrian counts and inventory, transit routes, land use, traffic analysis zones, socio-economic and demographic trends, and environmental factors. The City mapping and spatial GIS product will feed into the MPO overall enterprise GIS and geo-spatial management system. Also, the MPO data and GIS integration will serve as a platform for maintaining and updating of data in GIS format.

**Objectives:**

1. To provide maps for use in various MPO planning activities;
2. Update base maps
3. Update and maintain geo-spatial maps
4. Provide mapping support for Community Viz, modeling, MTP, CTP, etc.;
5. Main GIS-Online and,
6. To maintain updated geospatial information for transportation analyses.

**Previous Work:**

The LPA has prepared mapping for various MPO activities such as the 2035 LRTP, MTIP Regional Priority project Lists, 2009-15 MTIP, functional classification based on the 2000 Census, MPO urbanized area maps, MAB, etc.

**Proposed Activities:**

1. Collect updated geospatial information from local governments;

2. Integrate local government geospatial information into region-wide geospatial information;
3. Create files and maps containing MPO transportation information; and,
4. Develop the Data Management System to streamline this task.

**Products/Deliverables:**

1. Maps for various MPO planning activities;
2. Region-wide GIS files;
3. MPO Enterprise GIS;
4. Geo-spatial mapping;
5. Update count maps
6. Updated Functional classification maps
7. TIP/SPOT/Prioritization maps
8. ArcGIS Online; and,
9. Data Management System.

**Relationship to Other Plans and MPO Activities:**

GIS data will be used in many MPO activities such as the Triangle Regional Model, Metropolitan Transportation Plan (MTP), Comprehensive Transportation Plan (CTP), the Congestion Management Program (CMP) Card, Functional classification update, TIP Regional Priority List, MTIP development, NCDOT SPOT, land-use scenario, environmental layers, and other mappings to support the MPO-LPA transportation planning activities.

**Completion Date:**

Geo-spatial data for the City of Durham will be compiled on a continual basis. Mapping will be completed as needed for various projects and as needed by the MPO LPA.

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

Tasks will be undertaken by LPA and municipal staff.

**Proposed Budget:**

Task IIA-10: Mapping

	FHWA	FTA Planning Funds			
	PL/STP-DA	5303	5307	5309	Total
Federal	\$845				\$845
Local	\$211				\$211
State					\$0
Total	\$1,056	\$0	\$0	\$0	\$1,056

**Funding Commitments from Other Entities:**

None.

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

The City of Durham will assist and support the LPA/MPO in the development of Community Viz. 2.0 as well as in the development of demographic and socio-economic forecasts. Forecasts will be generated for County control totals and traffic analysis zones. Forecasts will be made consistent with the City and County land use plans and in corporation with the City/County local Planning Department.

**Objectives:**

1. To assist the DCHC MPO and the regional partners in developing regionally consistent forecasts of future year socio-economic and demographic projections and forecasts.
2. Assist the MPO in develop future forecast for population, dwelling units, households, income, vehicle ownership, university beds, employment, census, etc.
3. Assist and support the MPO and the regional stakeholders in the development of land-use scenario planning activities.

**Previous Work:**

1. Work has been ongoing by the City staff, the LPA staff members, DCHC MPO member agencies, and regional partners throughout 2012-2013 to develop a consistent regional methodology for constructing future year land use and socio-economic forecasts; and,
2. Preliminary forecasts were finalized in early summer 2012

**Proposed Activities:**

1. Continue to work with LPA and DCHCMPO partners to collect future land use information and to develop and check future year forecasts;
2. Acquire benchmark data for evaluating correctness of future year forecasts, and perform the evaluation;
3. Develop maps, tables and other presentation materials for review of the forecasts by elected officials and the public; and,
4. Coordinate public review of the future year forecasts and seek formal adoption of the forecasts by the DCHC MPO TAC.

**Products/Deliverables:**

1. Forecasts of land use and socio-economic data for use in the 2045 MTP, Environmental Justice (EJ)/Limited English Proficiency (LEP) demographic profiles; and,
2. Presentation materials based on those forecasts for public review.

**Relationship to Other Plans and MPO Activities:**

1. Future year forecasts are an essential element in preparing analyses of alternatives for the 2040 MTP and for all land use and transportation modeling activities.

**Completion Date:**

1. Forecasts for use in developing the 204 MTP are anticipated to be adopted by the TAC in fall 2015 or spring of 2016.

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

Work will largely be accomplished by the City of Durham in conjunction with the Lead Planning Agency (LPA) MPO technical staff and temporary help.

**Funding Commitments from Other Entities:**

Parallel efforts are underway at the MPO member jurisdiction, TJCOG and CAMPO member jurisdictions. Concerted effort has been made to ensure consistency of results.

**Task II-B:5 Forecast of Data to Horizon year**

	FHWA PL/STP-DA	FTA Planning Funds			Total
		5303	5307	5309	
Federal	\$8,589				\$8,589
Local	\$2,147				\$2,147
State					\$0
<b>Total</b>	<b>\$10,736</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,736</b>

**Task II-B-9: Highway Element of MTP and CTP**

The MPO will begin evaluation of highway elements of the Comprehensive Transportation Plan. The City will assist and support the MPO efforts. Specifically, the City will assist in the establishment of performance measures for evaluating highway alternatives. Also, the City will identify and evaluate highway facilities to be included as part of the MPO over highway component of the CTP. The City's portion of the highway element of the Comprehensive Transportation Plan (CTP) will be developed in parallel with the MPO's effort.

**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. 2035 and 2040 LRTP/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 2035 highway element
4. Generate highway projects and alternatives;

5. Evaluate highway projects and alternatives; and,
6. City Council and TAC comments on alternatives.

**Products/Deliverables:**

1. Preferred highway element option; and,
2. Key data for highway projects

**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.

**Completion Date:**

Analysis associated with the highway elements of CTP will commence in 2014 and be completed in summer 2015.

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

This staff will essentially be undertaken by the City of Durham in concert with the LPA and local government staff members. The LPA will manage and implement the highway element of the MTP and CTP.

Task II-B:9 Highway Element of the LRTP

	FHWA	FTA Planning Funds			
	PL/STP-DA	5303	5307	5309	Total
Federal	\$3,520				\$3,520
Local	\$880				\$880
State					\$0
Total	\$4,400	\$0	\$0	\$0	\$4,400

**Funding Commitments from Other Entities:**

None.

**Task II-B-10: Transit Element of LRTP and CTP**

The City of Durham will assist and support the MPO on the evaluation of transit elements of the Comprehensive Transportation Plan and the 2045 LRTP. Transit evaluate 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. 2035 and 2040 LRTP/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 TAC comments on alternatives and draft CTP.

**Products/Deliverables:**

1. Preferred transit element option;
2. Transit CTP map and,
3. Key data for transit projects.

**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 2040 MTP will be important input to this task.

**Completion Date:**

Analysis and studies associated with the transit elements of the LRTP and CTP will commence in fall of 2014 and likely will be completed in fall 2015.

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

LPA and local government staff will manage and implement the transit element of the MTP and CTP.

## Task II-B:10 Transit Element of the LRTP

	FHWA	FTA Planning Funds			
	PL/STP-DA	5303	5307	5309	Total
Federal	\$3,520				\$3,520
Local	\$880				\$880
State					\$0
Total	\$4,400	\$0	\$0	\$0	\$4,400

**Funding Commitments from Other Entities:**

None.

**Task II-B-11: Bicycle and Pedestrian Element of the LRTP and CTP**

The City of Durham will participate and assist the MPO in evaluating the bicycle and pedestrian elements of the Comprehensive Transportation Plan and the 2045 MTP. The MPO will continue work on the Durham Comprehensive pedestrian Plan and the Old Durham-Chapel Hill Road bicycle and pedestrian feasibility study. Work will commence on the update of the Durham Comprehensive Bicycle Plan and Durham Pedestrian Plan.

**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 LRTP 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 2035 LRTP.
2. Durham Comprehensive Bicycle Plan
3. Durham Comprehensive Pedestrian 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:**

Bicycle and Pedestrian elements of the MTP and CTP will include project descriptions

and demand analysis, assessment of need, maps of regional projects, etc.

**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.

**Completion Date:**

Continuous – on-going.

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

Tasks will largely be undertaken by the City staff along with LPA staff members and MPO member agencies.

Task II-B:11 Bicycle & Ped. Element of the L RTP

	FHWA PL/STP-DA	FTA Planning Funds			Total
		5303	5307	5309	
Federal	\$127,520				\$127,520
Local	\$31,880				\$31,880
State					\$0
Total	\$159,400	\$0	\$0	\$0	\$159,400

**Funding Commitments from Other Entities:**

None

**Task III-A: Planning Work Program**

Administer the FY 2014-2015 Unified Planning Work Program (UPWP) and prepare and process amendments as needed. Evaluate transportation planning work needs and emphasis areas and prepare the FY 2016 UPWP.

**Objective:**

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 2014-2015. To develop, maintain, and complete the UPWP in conformance with applicable federal, state, and regional guidelines. 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. FY 2013-14 Unified Planning Work Programs
2. Amendment to the FY 2014 UPWP.

**Proposed Activities:**

1. Review and amend relevant portions of the DCHC's UPWP in order 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 TAC meeting.

**Expected Work Products:**

1. Amendments to the current UPWP as necessary.
2. Development of the FY 2015-17 Unified Planning Work Program (UPWP).

Task III-A: Unified Planning Work Program (UPWP)

	FHWA	FTA Planning Funds			Total
	PL/STP-DA	5303	5307	5309	
Federal	\$2,394				\$2,394
Local	\$598				\$598
State					\$0
Total	\$2,992	\$0	\$0	\$0	\$2,992

**Task III-B: Transportation Improvement Program (TIP)**

Amend TIP/ MTIP as needed. Continue to develop FY 2007 – 2013 MTIP. 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 STP DA 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 Transportation Improvement Program (TIP) for the metropolitan area. Under this activity, the LPA will update and amend the current, seven-year program of transportation improvement projects (MTIP) that is consistent with the 2025 Long-Range Transportation Plan, STIP, the State Implementation Plan (SIP), EPA Air Quality Conformity Regulations and FHWA/FTA Planning Regulations.

**Previous Work:**

Regional Priority List and DCHC Metropolitan Transportation Improvement Programs (MTIP). Development MPO Issue paper for One-on-One sessions with NCDOT.

**Proposed Activities:**

1. Develop transportation improvement projects for consideration by the City Council.
2. Develop 2016-2022 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 SPOT and 2016-22 TIP.
2. Assist and provide support to the LPA regarding STI/SPOT
3. 2007 - 2013 Metropolitan Transportation Improvement Program
4. Develop and refine procedures necessary for TIP preparation and amendments as necessary.
5. TIP Amendments and Adjustments as necessary.

**Task III-B: Transportation Improvement Program -TIP/SPOT**

	FHWA PL/STP-DA	FTA Planning Funds			Total
		5303	5307	5309	
Federal	\$10,560				\$10,560
Local	\$2,640				\$2,640
State					\$0
<b>Total</b>	<b>\$13,200</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$13,200</b>

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

The City will assist and support the MPO's Title VI work program and activities. The City of Durham will continue to provide an update of Civil Rights statistics report to determine compliance of civil rights provisions.

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

	FHWA PL/STP-DA	FTA Planning Funds			Total
		5303	5307	5309	
Federal	\$4,224				\$4,224
Local	\$1,056				\$1,056
State					\$0
<b>Total</b>	<b>\$5,280</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$5,280</b>

**Task 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.

**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. News Letters
3. News paper 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. Update and maintenance of address of stakeholders.
2. Update and maintenance of mailing list database
3. Support of Citizen Advisory Committee

## Task III-C-6: Public Involvement

	FHWA	FTA Planning Funds			Total
	PL/STP-DA	5303	5307	5309	
Federal	\$2,886				\$2,886
Local	\$722				\$722
State					\$0
Total	\$3,608	\$0	\$0	\$0	\$3,608

**Task 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 the East End Connector and Alston Avenue 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.

**Proposed Activities:**

1. Regular participation at project scoping, environmental study and public

- meetings, especially those conducted by the NCDOT;
2. Review and comment on project scoping and environmental documents;
  3. The City participation in NEPA process for the East End Connector; and,

**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.

**Completion Date:**

These activities are provided as needed.

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

Tasks will be undertaken by LPA and municipal staff.

Task III-D-2: Environmental Analysis & Pre-TIP Plng.

	FHWA	FTA Planning Funds			Total
	PL/STP-DA	5303	5307	5309	
Federal	\$13,376				\$13,376
Local	\$3,344				\$3,344
State					\$0
Total	\$16,720	\$0	\$0	\$0	\$16,720

**Funding Commitments from Other Entities:**

None.

**Task III-E: Management and Operations**

The City will assist and support the DCHCMPO efforts in complying with the federal 3-C process. The 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, training, preparing quarterly progress reports, documenting expenditures for the various planning work items, and filing for reimbursement of expenditures from the PL and STP-DA funds account and other Federal Funds.

***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:**

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 Coordinating Committee (TCC) and the Transportation Advisory Committee (TAC) meetings agenda, providing technical assistance to the TAC, development of the MTIP, 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.

## Task III-E-1: Management &amp; Operations

	FHWA	FTA Planning Funds			Total
		PL/STP-DA	5303	5307	
Federal	\$9,504				\$9,504
Local	\$2,376				\$2,376
State					\$0
Total	\$11,880	\$0	\$0	\$0	\$11,880

## **Durham County**

- Funding Table
- Task Description and Narrative

Durham County		Durham-Chapel Hill-Carrboro Urban Area FY 2014-2015 Unified Planning Work Program Proposed Funding Source Tables										Durham County 3/4/2014 21:38					
Task Description	SPR Highway		Sec. 104(f) & 133(b)(3)(7)		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	NCDOT 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
II A Surveillance of Change																	
1 Traffic Volume Counts			0	0													
2 Vehicle Miles of Travel			0	0													
3 Street System Changes			0	0													
4 Traffic Accidents			0	0													
5 Transit System Data			0	0													
6 Dwelling Unit, Pop. & Emp. Change			169	676							169			169		676	846
7 Air Travel			0	0													
8 Vehicle Occupancy Rates			0	0													
9 Travel Time Studies			0	0													
10 Mapping			259	1,036							259			259		1,036	1,295
11 Central Area Parking Inventory			0	0													
12 Bike & Ped. Facilities Inventory			0	0													
13 Bike & Ped. Counts			0	0													
II B Long Range Transp. Plan																	
1 Collection of Base Year Data			0	0													
2 Collection of Network Data			0	0													
3 Travel Model Updates			0	0													
4 Travel Surveys			0	0													
5 Forecast of Data to Horizon year			3,476	13,902							3,476			3,476		13,902	17,378
6 Community Goals & Objectives			0	0													
7 Forecast of Future Travel Patterns			0	0													
8 Capacity Deficiency Analysis			0	0													
9 Highway Element of th L RTP			0	0													
10 Transit Element of the L RTP			4,897	19,588							4,897			4,897		19,588	24,485
11 Bicycle & Ped. Element of the L RTP			0	0													
12 Airport/Air Travel Element of L RTP			0	0													
13 Collector Street Element of L RTP			0	0													
14 Rail, Water or other mode of L RTP			0	0													
15 Freight Movement/Mobility Planning			0	0													
16 Financial Planning			0	0													
17 Congestion Management Strategies			0	0													
18 Air Qual. Planning/Conformity Anal.			0	0													
II C Short Range Transit Planning																	
1 Short Range Transit Planning			0	0													
III-A Planning Work Program			267	1,067							267			267		1,067	1,333
III-B Transp. Improvement Plan			0	0													
III-C Cvl Rgts. Cmp./Otr. Reg. Reqs.																	
1 Title VI			0	0													
2 Environmental Justice			0	0													
3 Minority Business Enterprise			0	0													
4 Planning for the Elderly & Disabled			0	0													
5 Safety/Drug Control Planning			0	0													
6 Public Involvement			0	0													
7 Private Sector Participation			0	0													
III-D Incidental Png./Project Dev.																	
1 Transportation Enhancement Png.			0	0													
2 Enviro. Analysis & Pre-TIP Png.			0	0													
3 Special Studies			1,170	4,682							1,170			1,170		4,682	5,852
4 Regional or Statewide Planning			817	3,267							817			817		3,267	4,084
III-E Management & Operations																	
1 Management & Operations			0	0	974	3,896	0	0	0	0	0	0	0	974	0	3,896	4,870
Totals			\$0	\$12,029	\$48,115	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,029	\$0	\$48,115	\$60,143

**DURHAM COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

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

Anticipating the beginning of the 2045 Metropolitan Transportation Plan, this task addresses efforts to provide socioeconomic data for the MTP. As needed, County staff will contribute to reviewing the current method of allocating dwelling unit and employment growth – using GIS-based visualization software – to determine how it can be improved for the 2045 MTP.

**Objectives**

O1 – Review and improve the current dwelling unit/employment growth estimation methodology.

O2 – Provide data as needed helpful to estimating dwelling unit and employment change for the 2045 MTP.

**Previous work**

County staff provided projected growth figures to unincorporated parts of Durham County to MPO staff. As part of the 2040 MTP process, County staff reviewed dwelling unit and employment growth control totals, employment data tracked by the MPO, place type and development status assignments to be inputted into CommunityViz software, and CommunityViz model output showing the distribution of growth.

**Proposed activities**

1. Participate in meetings discussing potential improvements to the current estimation methodology (O1)
2. Provide suggestions for improving the current estimation methodology (O1)
3. Submit data relating to dwelling unit and employment change to MPO staff (O2)

**Products**

1. Input on potential improvements/changes to the current estimation methodology (A1, A2)
2. Dwelling unit/employment-related data as needed (A3)

**Relationship to other plans and MPO activities**

2045 MTP

**Proposed budget and level of effort**

Senior Planner: 20 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-A-6 - Dwelling Unit, Pop. & Emp. Change	\$170	\$676	\$846

**DURHAM COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**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.

**Objectives**

- O1 – Update base maps, including spatial and network data, with new data.  
O2 – Ensure high-quality mapping and analysis of transportation facilities and amenities.

**Previous work**

Using GIS, provided local socioeconomic data for the 2040 MTP. Reviewed and modified CommunityViz 2040 MTP place type and development status categories.

**Proposed activities**

1. Update shapefiles with new features and-or attribute data (O1, O3)
2. Provide and-or review GIS maps for MPO projects such as the CMP and the early phases of the 2045 MTP, as needed (O2)
3. Conduct GIS network analysis as needed to address transportation issues (O3)

**Products**

1. Up-to-date GIS data (A1, A2)
2. Network datasets and studies (A3)

**Relationship to other plans and MPO activities**

CMP, 2045 MTP

**Proposed budget and level of effort**

10 hours to be completed by Senior Planner

25 hours to be completed by Planner

Local staff hours: 35 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-A-10 - Mapping	\$259	\$1,036	\$1,295

**DURHAM COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**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 provide data and input for development of a proposed a regional light rail system.

**Objectives**

- O1 – Develop the Station Area Strategic Infrastructure study.  
O2 – Provide data and input for a proposed regional light rail system between Durham and Chapel Hill.

**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 the proposed light rail system.

**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 (O1)
2. Provide data and input on the proposed light rail system (O2)

**Products**

1. Development of the Station Area Strategic Infrastructure study (A1)
2. Demographic and land use data for station areas along the proposed light rail system; as well as input on station and track design

**Relationship to other plans and MPO activities**

2040 MTP, Durham Bus and Rail Investment Plan, Durham Comprehensive Plan

**Proposed budget and level of effort**

Planning Supervisor: 40 hours

Planner: 600 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-B-10 - Transit Element of the LRTP	\$4,897	\$19,588	\$24,485

**DURHAM COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**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, in order to determine if any improvements are needed to the methodology. In addition, County staff will begin the preparation of land use models and plans that will better integrate future rail transit and land use development around those future stations.

**Objectives**

- O1 – Improve the process for forecasting socioeconomic data to the MTP horizon year.  
O3 – Create land use plans that better integrate future transit options.

**Previous work**

For the 2040 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 (O1)
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 (O2)

**Products**

1. Feedback on the growth modeling methodology (A1)
2. New land use ordinances for transit-oriented development (A2)

**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**

Planning Supervisor: 100 hours

Senior Planners: 250 hours

Planner: 100 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-B-5 - Forecast of Data to Horizon Year	\$3,476	\$13,902	\$17,378

**DURHAM COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**III-A-1. Planning Work Program**

The County will administer the FY 2014-2015 UPWP and prepare and process amendments as needed. It will evaluate transportation planning work needed and emphasis areas and prepare the FY 2014-2015 UPWP. County staff will serve on the UPWP oversight committee for the MPO.

**Objectives**

- O1 – Process amendments to the UPWP if necessary
- O2 – 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 (O1)
- 2. Prepare Durham County's 2015-2016 UPWP documents and budget (O2)

**Products**

- 1. Amendment spreadsheets as needed (A1)
- 2. Durham County's 2014-2015 UPWP activities narrative and budget (A2)

**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.

**Proposed budget and level of effort**

All work to be completed by Planning Supervisor.  
Local staff hours: 30 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-A-1 - Planning Work Program	\$267	\$1,067	\$1,334

**DURHAM COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**III-D-3. Special Studies**

County staff will continue to conduct or implement special studies related to local transportation issues.

**Objectives**

- O1 – Build the CommunityViz 2.0 model
- O2 – Conduct other special studies as needed

**Previous work**

In the past several years, the County has engaged in transportation-related studies such as the NC-54/I-40 Corridor Study and the Downtown Parking Study, as well as the original CommunityViz model developed for the 2040 MTP.

**Proposed activities**

- 1. Work with MPO staffers to build the CommunityViz 2.0 model (O1)
- 2. Conduct other special studies as needed (O2)

**Products**

- 1. Provision of data and review of model for CommunityViz 2.0 (A1)
- 2. Other special studies as needed (A2)

**Relationship to other plans and MPO activities**

2045 MTP

**Proposed budget and level of effort**

Planning Supervisor: 40 hours

Senior Planner: 20 hours

Planner: 100 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-D-3 - Special Studies	\$1,170	\$4,682	\$5,852

**DURHAM COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**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**

- O1 – Provide input to the regional transit agency
- O2 – 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 (O1)
2. Provide input and data to the regional transit agency as requested (O2)

**Products**

1. Provide staff to regional committees (A1)
2. Provision of demographic and land use data and review of conceptual plans for regional transit as requested (A2)

**Relationship to other plans and MPO activities**

2045 MTP

**Proposed budget and level of effort**

Planning Supervisor: 35 hours

Senior Planner: 20 hours

Planner: 50 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-D-4. Regional or Statewide Planning	\$817	\$3,267	\$4,084

**DURHAM COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**III-E-1. Management and Operations**

Administrative tasks necessary to maintaining the 3C planning process will be completed.

**Objectives**

- O1 – Participate and contribute to MPO-related meetings.
- O2 – Adhere to the goals and tasks laid out in the Unified Planning Work Program.
- O3 – Ensure that elected officials have adequate information to make informed decisions on local and regional transportation issues.
- O4 – Ensure the local transportation advisory board has the information it needs to develop sound recommendations on local and regional transportation issues.
- O5 – 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 TAC and TCC 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**

Planning Supervisor: 66 hours

Senior Planning: 40 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-E-1 - Management and Operations	\$974	\$3,896	\$4,870

# Orange County

- Funding Table
- Task Description and Narrative

**Durham-Chapel Hill-Carrboro Urban Area**  
**FY 2014-2015 Unified Planning Work Program**  
**Proposed Funding Source Tables**

Orange County  
3/4/2014 21:36

Orange County

Task Description	SPR Highway		Sec. 1040 & 133(b)(3)(7)		Section 5303 Highway/Transit		Section 5307 Transit		Section 5309 Transit		Task Funding Summary			
	NCDOT 20%	FWHA 80%	Local 20%	FWHA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Total
II A Surveillance of Change														
1 Traffic Volume Counts														
2 Vehicle Miles of Travel														
3 Street System Changes														
4 Traffic Accidents														
5 Transit System Data														
6 Dwelling Unit, Pop. & Emp. Change														
7 Air Travel														
8 Vehicle Occupancy Rates														
9 Travel Time Studies														
10 Mapping														
11 Central Area Parking Inventory														
12 Bike & Ped. Facilities Inventory														
13 Bike & Ped. Counts														
II B Long Range Transp. Plan														
1 Collection of Base Year Data														
2 Collection of Network Data														
3 Travel Model Updates														
4 Travel Surveys														
5 Forecast of Data to Horizon year														
6 Community Goals & Objectives														
7 Forecast of Future Travel Patterns														
8 Capacity Deficiency Analysis														
9 Highway Element of LRTP														
10 Transit Element of LRTP														
11 Bicycle & Ped. Element of the LRTP														
12 Airport/Air Travel Element of LRTP														
13 Collector Street Element of LRTP														
14 Rail, Water or other mode of LRTP														
15 Freight Movement/Mobility Planning														
16 Financial Planning														
17 Congestion Management Strategies														
18 Air Qual. Planning/Conformity Anal.														
II C Short Range Transit Planning														
1 Short Range Transit Planning														
III-A Planning Work Program														
Transp. Improvement Plan														
Civil Rghts. Cmp./Otr. Reg. Reqs.														
1 Title VI														
2 Environmental Justice														
3 Minority Business Enterprise														
4 Planning for the Elderly & Disabled														
5 Safety/Drug Control Planning														
6 Public Involvement														
7 Private Sector Participation														
III-D Incidental Ping/Project Dev.														
1 Transportation Enhancement Ping.														
2 Enviro. Analysis & Pre-TIP Ping.														
3 Special Studies														
4 Regional or Statewide Planning														
III-E Management & Operations														
1 Management & Operations														
Totals														

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

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

Anticipating much of the development of the 2045 Metropolitan Transportation Plan to occur during FY 2015, this task addresses efforts to provide socioeconomic and dwelling unit/certificate of occupancy data for the 2045 MTP. As needed, County staff will contribute to reviewing methods of allocating dwelling unit, population and employment growth and associated shares of each – using GIS-based visualization software and other tools –to determine how they can be used and incorporated into the development of the 2045 MTP.

**Objectives**

O1 – Review the current dwelling unit, population and employment growth estimation methodology and base year inputs

O2 – Provide dwelling unit, population and employment data as needed to estimate patterns or change for the 2045 MTP

O3 – Review and provide feedback on the MPO’s inclusion of dwelling unit, population and employment figures and associated projections for use in the 2045 MTP

**Previous work**

County staff reviewed dwelling unit and employment estimation methodologies and inputs and provided updated figures to MPO staff in previous fiscal years for the 2040 MTP and for the preliminary development of data to be used for the 2045 MTP. County staff has reviewed and will continue to review population, employment, dwelling unit, place types and development status assignments to be used as inputs for Community Viz modeling showing the projected distribution and type of growth.

**Proposed activities**

1. Participate in meetings discussing potential improvements to the current estimation methodology and associated inputs (O1)
2. Provide suggestions for improving the current estimation methodology and inputs (O1)
3. Submit data relating to dwelling unit, population, employment change, place types and development status to MPO staff (O2)
4. Review the MPO’s proposed incorporation of data into the 2045 MTP (O3)

**Products**

1. Input on potential improvements/changes to the current estimation methodology and inputs
2. Dwelling unit, population, employment, place type, and development status data as needed
3. Official comments from County staff regarding MPO’s use of data for preparation of 2045 MTP

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

**Relationship to other plans and MPO activities**

2045 MTP, CMP, Socioeconomic and demographic data and forecasting, Land-use scenarios planning

**Proposed budget and level of effort**

Transportation Planner : 120 hours

Comprehensive Planning Supervisor: 40 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-A-6 - Dwelling Unit, Pop. & Emp. Ch	\$1,272	\$5,086	\$6,358

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

**II-A-10. Mapping**

The County's GIS specialist, along with other planning staff, will assist in developing base maps, GIS layers, and databases to serve MPO-wide and local transportation and associated data mapping objectives. They will provide, as needed, GIS layers for highway, transit, bike, and pedestrian networks as well as parcel, zonal, census and land development information.

**Objectives**

- O1 – Update base maps, including boundary, spatial and network data, with new data
- O2 – Provide support for continued MPO GIS data development
- O3 – Ensure high-quality mapping and analysis of transportation facilities and planning-related thematic data

**Previous work**

Provided spatial data for scoring inputs to determine project priority selection for TIP development. Provided mapping of transportation improvement proposals within the 2040 MTP for consideration in the TIP. Provided support for continued GIS data development for inclusion in MPO plans and programs. Organized spatial data for Orange County to support/complete base year data collection and socioeconomic data collection and forecasting tasks.

**Proposed activities**

1. Update shapefiles or other layer types with new features and-or attribute data (O1, O3)
2. Provide and-or review GIS maps for MPO projects such as the CMP, the development of the 2045 MTP, and any land use scenario outputs as needed (O2)
3. Conduct GIS network analysis as needed to address transportation issues (O3)

**Products**

1. Updated GIS data
2. Spatial thematic data layouts for 2045 MTP development

**Relationship to other plans and MPO activities**

2045 MTP, CMP, Land-use scenarios planning

**Proposed budget and level of effort**

GIS Project Coordinator: 60 hours

Transportation Planner: 15 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-A-10 - Mapping	\$580	\$2,320	\$2,900

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

**II-B-1. Collection of Base Year Data**

Anticipating much of the development of the 2045 MTP to occur during FY 2015, this task addresses efforts to provide travel, development type and intensity, and socioeconomic data for the MTP for the MTP's base year. As needed, County staff will contribute to reviewing existing data and update the data for the base year as needed for tasks leading to the development of the 2045 MTP, Triangle Regional Model (TRM) and CMP.

**Objectives**

- O1 – Update base travel, land use, employment and other socioeconomic data
- O2 – Provide support for continued data collection and reporting to the MPO
- O3 – Conduct quality checks on MPO's data entry and preparation for use in the 2045 MTP

**Previous work**

The County has collected and provided employment type, employee counts, and place of employment intensity data and information to MPO staff for inclusion in the Triangle Regional Model (TRM) for ultimate use in the 2045 MTP. The County has also provided recommendations for travel data collection locations and comments on improving travel data collection protocols.

**Proposed activities**

1. Continue to update inputs to MPO's employment analyst tool (O1, O3)
2. Continue to review MPO's data entry inputs of employment information and travel data (O2)
3. Continue to review and update priorities for travel data collection locations and other base year data (O3)
4. Review and refine format and incorporation of travel and socioeconomic data produced by data collection activities as proposed for use in the 2045 MTP (O3)

**Products**

1. Up-to-date base year land use, socioeconomic, and travel data
2. Inputs for base year data for regional travel demand model
3. Review comments on format and incorporation of data into the 2045 MTP

**Relationship to other plans and MPO activities**

2045 MTP, Triangle Regional Model (TRM)

**Proposed budget and level of effort**

Transportation Planner: 80 hours

Comprehensive Planning Supervisor: 40 hours

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-B-1 - Collection of Base Year Data	\$975	\$3,899	\$4,874

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

**II-B-5. Forecast of Data to Horizon Year**

The County will contribute to reviewing the current estimation methodology and inputs for forecasting socioeconomic and land use type and intensity data to the MTP horizon year in order to determine if any refinements or improvements are needed to the methodology and inputs. The County will also review and provide feedback on the incorporation of the forecast methodology and inputs into the 2045 MTP.

**Objectives**

O1 – Improve the methodology and data inputs for forecasting socioeconomic data to the MTP horizon year

O2 – Prepare/review/refine format of forecasted data for use in the 2045 MTP

**Previous work**

Although not a participant in the MPO's UPWP in prior years, County staff contributed data and review comments for countywide growth control totals and projections as well as the Community Viz allocation of growth estimates within Orange County.

**Proposed activities**

1. Communicate with MPO staff and TCC representatives regarding potential improvements to growth modeling methodologies and inputs (O1)
2. Review output of forecasts and format of incorporation into 2045 MTP (O2)

**Products**

1. Feedback on the growth modeling methodology and inputs
2. Feedback and commentary on forecast outputs and format of forecast outputs incorporated into 2045 MTP

**Relationship to other plans and MPO activities**

2045 MTP, CMP, Triangle Regional Model (TRM), Land-Use scenarios planning

**Proposed budget and level of effort**

Transportation Planner: 80 hours

Comprehensive Planning Supervisor: 40 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-B-5 - Forecast of Data to Horizon Year	\$975	\$3,899	\$4,874

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

**II-C-1. Short Range Transit Planning**

The County will participate in short-range transit planning for both Orange County and the metropolitan planning area. County staff will continue to represent Orange County's position on the Orange County Bus and Rail Investment Planning staff working group to continue to refine plan assumptions and details. County planning staff will administer and oversee the implementation of Orange County's component of the plan. County staff will continue coordination with Triangle Transit to process updates to the Bus and Rail Investment Plan and communicate and process those updates with the County Board of Commissioners and the MPO.

**Objectives**

- O1 – Ensure that Orange County plays a key role in Triangle Transit's short-range regional transit initiatives including implementation activities related to capital investment and improvements as well as operations
- O2 – Continue to work with Triangle Transit on new initiatives, service recommendations, public outreach, and grant funding opportunities within Orange County
- O3 – Implement Orange County's component of the Bus and Rail Investment Plan including coordination with Triangle Transit, Chapel Hill Transit and the MPO
- O4 – Update assumptions and other information in the Bus and Rail Investment Plan as needed

**Previous work**

County staff has participated in the Orange County Bus and Rail Investment Plan staff working group since its inception in FY 2014 and reviewed and provided feedback on updates to assumptions, identified needs and service recommendations in the plan. County staff prepared a five-year bus service expansion program to act as a programming guide for implementing adopted service recommendations derived from the plan and has taken and continues to take steps to implement the plan. County staff has coordinated with the MPO and its processes to prepare for implementation of the bus service expansion program. The County has also participated in a review and recommendation regarding the MPO's sub-allocation of Federal Formula transit grants.

**Proposed activities**

1. Solicit public and affected agency input and provide feedback on Triangle Transit's proposed regional service concepts and implementation activities in Orange County (O1, O2)
2. Seek and secure grant funding opportunities for Triangle Transit regional bus service concepts in Orange County (O2)
3. Implement Orange County's service recommendation concepts as outlined in the Orange County Bus and Rail Investment Plan and Orange County Five-Year Bus Service Expansion Program (O3)
4. Process and provide feedback on updates and amendments to the Orange County Bus and Rail Investment Plan (O4)

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

**Products**

1. Five-Year Bus Service Expansion Program updates and amendments
2. MPO-administered capital and/or operating project funding requests and proposals
3. Service and funding data summaries for Orange County's component of Bus and Rail Investment Plan
4. Additional transit information and Bus and Rail Investment Plan updates as needed

**Relationship to other plans and MPO activities**

The Orange County Bus and Rail Investment Plan was approved by Orange County, the MPO, and Triangle Transit. The draft 2040 MTP Transit element includes and the draft 2045 MTP will include the recommendations of the Plan. Plan and bus service expansion program implementation will involve various MPO calls for projects and funding decision activities.

**Proposed budget and level of effort**

Transportation Planner: 80 hours

Comprehensive Planning Supervisor: 60 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-C-1 - Short Range Transit Planning	\$1,166	\$4,662	\$5,828

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

**III-A-1. Planning Work Program**

The County will administer the FY 2014-2015 UPWP and prepare and process amendments as needed. It will evaluate transportation planning work and emphasis areas needed and prepare the FY 2015-2016 UPWP.

**Objectives**

- O1 – Track and report on Orange County’s 2014-2015 UPWP activities
- O2 – Process amendments to the UPWP if necessary
- O3 – Submit the 2015-2016 UPWP to the MPO

**Previous work**

County staff prepared a UPWP for FY 2013-2014 and tracked the completion of UPWP tasks with quarterly progress reports. County staff also processed amendments to the 2013-2014 UPWP. Progress reports have made clear how much funding remains for tasks in the fiscal year guiding the necessity for amendments.

**Proposed activities**

1. Complete quarterly reports for the 2014-2015 UPWP (O1)
2. Complete amendment spreadsheets as needed (O2)
3. Prepare Orange County’s 2015-2016 UPWP documents and budget (O3)

**Products**

1. Quarterly progress reports and invoices to the MPO on UPWP activities
2. Amendment spreadsheets as needed
3. Orange County’s 2015-2016 UPWP activities narrative and budget (A3)

**Relationship to other plans and MPO activities**

Required by federal law, the UPWP is the mechanism for laying out regional transportation planning activities and coordination with the MPO.

**Proposed budget and level of effort**

Transportation Planner: 40 hours

Comprehensive Planning Supervisor: 10 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-A-1 - Planning Work Program	\$392	\$1,568	\$1,960

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

**III-B-1. Transportation Improvement Program**

In anticipation of 2016-2022 STIP and DCHC MPO TIP adoption, County planning staff will continue to communicate and strategize for the programming of transportation project priorities countywide and communicate those priorities to County advisory boards and the governing body. Orange County planning staff will work with boards to develop requests for transportation improvements for various MPO calls for projects. County planning staff will also collect and report data for prioritized projects to the MPO. The County will also participate in the MPO's development of process, strategy, and methodology for developing a TIP.

**Objectives**

- O1 – Facilitate processing of County's prioritization of projects for TIP consideration including research and data reporting for candidate projects
- O2 – Communicate and coordinate project priorities to the public, County advisory boards, and the County's governing body
- O3 – Communicate priorities and corresponding data to the MPO

**Previous work**

County staff developed a priority list for the County of transportation project improvements during FY 2013-2014 and communicated those priorities to MPO staff for 2016-2022 TIP consideration. This list involved researching needs, processing through advisory boards and elected officials, and submission in various phases to MPO staff. County staff also participated in an STP-DA call for projects and in the MPO's development of process, strategy, and methodology for developing a TIP and maximizing transportation project funding for the region.

**Proposed activities**

1. Support and facilitate consideration and processing of candidate projects and provide funding information and cost estimates as well as other data for the 2016-2022 TIP (O1 and O2)
2. Facilitate feedback from the public, Transportation Advisory Board, and Board of County Commissioners for 2016-2022 TIP projects (O2)
3. Facilitate consideration of inclusion of Orange County projects in the 2016-2022 TIP to communicate to the MPO (O3)

**Products**

1. Project data submission to MPO staff
2. County feedback on proposed TIP

**Relationship to other plans and MPO activities**

2016-2022 TIP, 2040 MTP, efforts by the MPO to expedite the completion of STP-DA projects

**Proposed budget and level of effort**

Transportation Planner: 80 hours

Comprehensive Planning Supervisor: 15 hours

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-B-1 - Transportation Improvement Progr	\$736	\$2,946	\$3,682

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

**III-D-3. Special Studies**

County staff will continue to conduct or implement special studies related to local transportation issues, namely the continued development and implementation of a Safe Routes to School Action Plan.

**Objectives**

O1 – Implement the Safe Routes to School Action Plan

O2 – Conduct other special studies as needed

**Previous work**

Over the past year, the County has prepared a major update to its Safe Routes to School Action Plan and began intended implementation of the plan through MPO calls for projects.

**Proposed activities**

1. Implement the Safe Routes to School Action Plan (O1)
2. Conduct other special studies as needed to possibly include an access management/collector street study for the County's Eno Economic Development District (O2)

**Products**

1. Safe Routes to School Action Plan project implementation
2. Other special studies as needed

**Relationship to other plans and MPO activities**

2016-2022 TIP, Comprehensive Transportation Plan – Collector Street element

**Proposed budget and level of effort**

Transportation Planner: 15 hours

GIS Project Coordinator: 5 hours

Comprehensive Planning Supervisor: 5 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-D-3 - Special Studies	\$198	\$792	\$990

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

**III-D-4. Regional or Statewide Planning**

The County will coordinate with NCDOT and other regional and state transportation planning organizations regarding project funding eligibility and other information in preparation of the 2016-2022 STIP. The County will also participate in the development of the MPO's Program Management Plan for managing programs the MPO administers.

**Objectives**

O1 – Coordinate with NCDOT regarding project funding eligibility, NCDOT's priorities and other information to continue to support and advance transportation project priorities for the County

O2 – Participate and provide information for the MPO's development of a Program Management Plan (PMP)

**Previous work**

Orange County staff attended and participated in a Coordinated Public Transportation – Human Service Transportation Plan (CPT-HSTP) update workshop and completed an input survey for the development of the plan representing the County's public transportation needs. The County also coordinated with NCDOT Division 7 staff through meetings and phone calls to collect information and review Division and County transportation priorities.

**Proposed activities**

1. Meet and coordinate with NCDOT to determine Division's transportation priorities for the County and surrounding areas (O1)
2. Participate in development of MPO's PMP (O2)

**Products**

1. 2016-2022 STIP
2. Input to development of PMP

**Relationship to other plans and MPO activities**

2016-2022 TIP and STIP, CPT-HSTP

**Proposed budget and level of effort**

Transportation Planner: 60 hours

Comprehensive Planning Supervisor: 20 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-D-4 - Regional or Statewide Planning	\$636	\$2,543	\$3,179

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

**III-E-1. Management and Operations**

Administrative tasks necessary to maintaining the 3C planning process will be completed.

**Objectives**

- O1 – Participate and contribute to MPO-related meetings
- O2 – Adhere to the goals and tasks laid out in the Unified Planning Work Program
- O3 – Ensure that elected officials have adequate information to make informed decisions on local and regional transportation issues
- O4 – Ensure the local transportation advisory board has the information it needs to develop sound recommendations on local and regional transportation issues
- O5 – Improve staff efficiency and knowledge through training sessions and educational materials

**Previous work**

Same as activities proposed below.

**Proposed activities**

1. Attend and participate in TAC and TCC meetings
2. Preparing quarterly progress reports/invoices and documenting expenditures for planning work items
3. Staff development through professional training courses, seminars, and conferences
4. Subscriptions to professional publications and professional organizational dues
5. Acquire needed software, books, and other materials
6. Facilitate local transportation advisory board meetings by creating agendas, minutes, and staff reports
7. Prepare materials and present to the local elected officials related to local and regional transportation planning topics
8. Attend and participate in MPO subcommittee meetings

**Products**

1. Staff reports and agenda materials for Transportation Advisory Board and County Board of Commissioners meetings
2. Routine submissions to MPO staff communicating Orange County project and general transportation planning information

**Relationship to other plans and MPO activities**

2045 MTP, 2016-2022 TIP, MPO TAC and TCC agendas and decisions

**Proposed budget and level of effort**

Transportation Planner: 300 hours

Comprehensive Planning Supervisor: 200 hours

**ORANGE COUNTY  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP-STP-DA**

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-E-1 - Management and Operations	\$4,133	\$16,531	\$20,664

## **Town of Chapel Hill**

- Funding Table
- Task Description and Narrative
- 5303 FTA Task Narrative
- FTA Check Lists
- DBE Form (5303)

Town of Chapel Hill		Durham-Chapel Hill-Carrboro Urban Area												Town of Chapel Hill 3/19/2014 10:34				
		FY 2014-2015 Unified Planning Work Program																
		Proposed Funding Source Tables																
Task Description	STP-DA 133(b)(3)(C)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 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 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total	
<b>II A Surveillance of Change</b>																		
1 Traffic Volume Counts	0	0	0	0	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	0	0	0	0
3 Street System Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Traffic Accidents	0	0	0	0	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	0	0	0	0
6 Dwelling Unit, Pop. & Emp. Change	0	0	0	0	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	0	0	0	0
8 Vehicle Occupancy Rates	0	0	0	0	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	0	0	0	0
10 Mapping	6,003	24,014	0	0	4,918	4,918	39,344	0	0	0	0	0	0	10,921	4,918	63,358	79,197	
11 Central Area Parking Inventory	0	0	0	0	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	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
<b>II B Long Range Transp. Plan</b>																		
1 Collection of Base Year Data	0	0	0	0	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	0	0	0	0
3 Travel Model Updates	0	0	0	0	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	0	0	0	0
5 Forecast of Data to Horizon year	2,494	9,976	0	0	3,783	3,783	30,260	0	0	0	0	0	0	6,277	3,783	40,236	50,295	
6 Community Goals & Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Forecast of Future Travel Patterns	970	3,878	0	0	0	0	0	0	0	0	0	0	0	970	0	3,878	4,848	
8 Capacity Deficiency Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9 Highway Element of th LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10 Transit Element of the LRTP	1,684	6,736	0	0	0	0	0	0	0	0	0	0	0	1,684	0	6,736	8,420	
11 Bicycle & Ped. Element of the LRTP	16,779	67,114	0	0	694	694	5,552	0	0	0	0	0	17,473	694	72,666	90,833		
12 Airport/Air Travel Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13 Collector Street Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14 Rail, Water or other mode of LRTP	0	0	0	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	0	0	0	
16 Financial Planning	0	0	0	0	214	214	1,708	0	0	0	0	0	214	214	1,708	2,135	2,135	
17 Congestion Management Strategies	4,210	16,840	0	0	153	153	1,220	0	0	0	0	0	4,363	153	18,060	22,575		
18 Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>II C Short Range Transit Planning</b>																		
1 Short Range Transit Planning	0	0	0	0	816	816	6,530	0	0	0	0	0	816	816	6,530	8,163	8,163	
<b>III-A Planning Work Program</b>																		
1 Planning Work Program	610	2,440	0	0	0	0	0	0	0	0	0	0	610	0	2,440	3,050	3,050	
<b>III-B Transp. Improvement Plan</b>																		
1 Transp. Improvement Plan	915	3,660	0	0	0	0	0	0	0	0	0	0	915	0	3,660	4,575	4,575	
<b>III-C Cvl Rgts. Cmp/Oir-Reg. Reqs.</b>																		
1 Title VI	0	0	0	0	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	0	0	0	0
3 Minority Business Enterprise	0	0	0	0	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	0	0	0	0
5 Safety/Drug Control Planning	0	0	0	0	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	0	0	0	0
7 Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>III-D Incidental Ping./Project Dev.</b>																		
1 Transportation Enhancement Ping.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Enviro. Analysis & Pre-TIP Ping.	3,550	14,200	0	0	0	0	0	0	0	0	0	0	3,550	0	14,200	17,750	17,750	
3 Special Studies	1,785	7,139	0	0	1,161	1,161	9,288	0	0	0	0	0	2,946	1,161	16,427	20,533	20,533	
4 Regional or Statewide Planning	1,220	4,880	0	0	1,686	1,686	13,486	0	0	0	0	0	2,906	1,686	18,366	22,957	22,957	
<b>III-E Management &amp; Operations</b>																		
1 Management & Operations	6,928	27,711	0	0	5,019	5,019	40,153	0	0	0	0	0	11,947	5,019	67,865	84,831	84,831	
<b>Totals</b>	<b>\$47,147</b>	<b>\$188,588</b>	<b>\$0</b>	<b>\$0</b>	<b>\$18,443</b>	<b>\$18,443</b>	<b>\$147,541</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$65,590</b>	<b>\$18,443</b>	<b>\$336,129</b>	<b>\$420,162</b>	<b>\$420,162</b>	

**CHAPEL HILL TRANSIT  
FTA TASK NARRATIVE TABLE  
FY2013-2014 (FY14) UPWP**

Draft UPWP FY 14

Task ID	MPO	Task Name	Task Code	Task Description	Product	Completion Date	Product(s)	Relationship To Other Activities	Agency Responsible for Task Completion	Agency Responsible for Task Completion	Agency Responsible for Task Completion	Agency Responsible for Task Completion
1-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Financial Planning	Prepare Financial Plan for 2045 MTP. Development of a strategic plan, and financial plan, identifying sustainable funding sources for the strategic plan.	6/30/2015	\$35,600	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Financial Planning
2-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Forecast of Data to Horizon Year	To prepare projections for 2045 housing, population and employment.	6/30/2015	\$8,000	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Forecast of Data to Horizon Year
3-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442301	Mapping	Participate with MPO in further development of regional GIS database; prepare mapping to support local and regional activities	6/30/2015	\$48,400	Supports development of L RTP and related MPO activities	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442301	Mapping
4-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442400	Transit System Data	Review and analyze transit system data to monitor changes in travel behavior	6/30/2015	\$26,600	Supports implementation of L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442400	Transit System Data
5-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Management Strategies	Coordinate with Triangle Regional TDM program to implement regionwide TDM program.	6/30/2015	\$2,400	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Management Strategies
6-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442400	Short Range Transit Planning	Develop elements of Chapel Hill Transit Short Range Transit Plan.	6/30/2015	\$18,000	Supports implementation of the MPO L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442400	Short Range Transit Planning
7-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Bicycle and Pedestrian Element of L RTP	To review and update bicycle network included in 2045 MTP update	6/30/2015	\$0	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Bicycle and Pedestrian Element of L RTP
8-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$2,069	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
9-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Preparation of DCHC MPO CMS and Development of TDM program for incorporation into 2045 L RTP	Preparation of DCHC MPO CMS and Development of TDM program for incorporation into 2045 L RTP	6/30/2015	\$3,470	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Preparation of DCHC MPO CMS and Development of TDM program for incorporation into 2045 L RTP
10-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$8,275	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
11-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$6,994	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
12-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$3,783	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
13-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$4,918	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
14-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$3,783	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
15-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$9,344	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
16-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$1,375	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
17-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$1,375	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
18-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$11,000	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
19-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$1,563	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
20-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$1,563	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
21-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$13,750	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
22-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$11,000	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
23-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$11,000	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network
24-	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network	Development of 2040 MTP bicycle network	6/30/2015	\$11,000	Supports development of the 2045 L RTP	Town of Chapel Hill	DCHC-MPO (Chapel Hill Transit)	442302	Development of 2040 MTP bicycle network

**CHAPEL HILL TRANSIT  
FTA TASK NARRATIVE TABLE  
FY2013-2014 (FY14) UPWP**

Draft UPWP FY

MPO	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	DCHC-MPO (Chapel Hill Transit)	TOTALS
1-	442400 FTA Code III-C-4 Planning for the Elderly and Disabled	442400 FTA Code III-C-5 Safety/Drug Control Planning	442400 FTA Code III-C-6 Public Involvement	442700 FTA Code III-D-3 Special Studies	442200 FTA Code III-D-4 Regional or Statewide Planning	442100 FTA Code III-E Management and Operations		
2-								
3-								
4-								
5-	Task Objective	To assess impact of transit service on elderly and handicapped populations	To implement and monitor federal safety and drug control planning	To establish public outreach efforts to engage public involvement.	To prepare special studies to support ongoing transit operations. To prepare an Alternatives Analysis for CHT.	To support regional and statewide planning projects	To support various transit planning activities	
6-	Tangible Product Expected	Annual assessment	Annual Assessments	Annual transit forums	Preparation of Chapel Hill Pedestrian Plan and participation in NCDOT US 15-501/Fordham Blvd. Feasibility Study and US 15-501 South Corridor Study.	Coordination with Triangle Transit on implementation of Durham to Chapel Hill LRT.	Ongoing transit activities and reporting requirements.	
7-	Expected Completion Date of Product(s)	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	
8-	Previous Work	Ongoing monitoring	Ongoing monitoring	Annual transit forums	Chapel Hill Long Range Transit Plan		Management of transit planning activities	
9-	Prior FTA Funds	\$8,000	\$2,000	\$4,000	\$0	\$50,800	\$115,160	
10-	Relationship To Other Activities	This project supports the development of the 2045 Regional Plan	This project supports the development of the 2045 Regional Plan	This project supports the development of the 2045 Regional Plan	This project supports the development of the 2045 Regional Plan	Supports the implementation of the 2040 Regional Plan and the Chapel Hill Long 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	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%				\$20,255	\$1,220	\$5,694	\$45,428
15-	Section 104 (f) PL FHWA 80%				\$81,018	\$4,880	\$22,778	\$181,707
16-	Section 5303 Local 10%				\$1,161	\$1,686	\$3,242	\$16,668
17-	Section 5303 NCDOT 10%				\$1,161	\$1,686	\$3,242	\$16,662
18-	Section 5303 FTA 80%				\$9,288	\$13,486	\$25,935	\$133,323
19-	Section 5307 Transit - Local 10%	\$1,000	\$250	\$200	\$9,288	\$900	\$3,868	\$35,531
20-	Section 5307 Transit - NCDOT 10%	\$1,000	\$250	\$200	\$9,288	\$900	\$3,867	\$35,528
21-	Section 5307 Transit - FTA 80%	\$8,000	\$2,000	\$1,600	\$7,200	\$7,200	\$30,940	\$285,490
22-	Section 5309 Transit - Local 10%							\$0
23-	Section 5309 Transit - NCDOT 10%							\$0
24-	Section 5309 Transit - FTA 80%							\$0

## **Task Descriptions and Summary Narratives for FY 2014-05 Unified Planning Work Program (UPWP): Town of Chapel Hill**

### **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 CMS, MTP, CTP, TIP, SPOT/Prioritization, traffic counts, bicycle and pedestrian counts and inventory, transit routes, land use, traffic analysis zones, socio-economic and demographic trends, and environmental factors. The Town mapping and spatial GIS product will support the MPO overall GIS and geo-spatial management system. Also, the MPO data and GIS integration will serve as a platform for maintaining and updating of data in GIS format.

#### **Objectives:**

1. To provide maps for use in various MPO planning activities;
2. Update base maps
3. Update and maintain geo-spatial maps
4. Provide mapping support for Community Viz, modeling, MTP, CTP, etc.;
5. Main GIS-Online and,
6. To maintain updated geospatial information for transportation analyses.

#### **Previous Work:**

The LPA has prepared mapping for various MPO activities such as the 2035 LRTP, MTIP Regional Priority project Lists, 2009-15 MTIP, functional classification based on the 2000 Census, MPO urbanized area maps, MAB, etc.

#### **Proposed Activities:**

1. Collect updated geospatial information;
2. Monitor development of MPO on-line GIS system;
3. Create files and maps containing MPO transportation information; and,
4. Coordinate the development of the Community Viz 2.0 platform for use in development of 2045 MTP.

#### **Products/Deliverables:**

1. Maps for various MPO planning activities;
2. Region-wide GIS files;
3. MPO Enterprise GIS;
4. Geo-spatial mapping;
5. Update count maps
6. ArcGIS Online; and,
7. Data Management System.

#### **Relationship to Other Plans and MPO Activities:**

GIS data will be used in many MPO activities such as the Triangle Regional Model,

Metropolitan Transportation Plan (MTP), Comprehensive Transportation Plan (CTP), the Congestion Management Program (CMP) Card, Functional classification update, TIP Regional Priority List, MTIP development, NCDOT SPOT, land-use scenario, environmental layers, and other mappings to support the MPO-LPA transportation planning activities.

**Completion Date:**

Geo-spatial data for the Town of Chapel Hill will be compiled on a continual basis. Mapping will be completed as needed for various projects and as needed by the MPO Lead Planning Agency.

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

Tasks will be undertaken by municipal staff.

**Proposed Budget:**

Task IIA-10: Mapping

	FHWA	FTA Planning Funds			Total
	PL/STP-DA	5303	5307	5309	
Federal	\$24,014				\$24,014
Local	\$6,003				\$6,003
State	\$0				\$0
<b>Total</b>	<b>\$30,017</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$30,017</b>

**Funding Commitments from Other Entities:**

None.

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

The Town of Chapel Hill will assist and support the LPA/MPO in the development of Community Viz. 2.0 as well as in the development of demographic and socio-economic forecasts. Forecasts will be generated for County control totals and traffic analysis zones. Forecasts will be made consistent with the Town land use plans.

#### **Objectives:**

1. To assist the DCHC MPO and the regional partners in developing regionally consistent forecasts of future year socio-economic and demographic projections and forecasts.
2. Assist the MPO in develop future forecast for population, dwelling units, households, income, vehicle ownership, university beds, employment, census, etc.
3. Assist and support the MPO , Orange County jurisdictions and regional stakeholders in the development of land-use scenario planning activities.

#### **Previous Work:**

1. Work has been ongoing by the Town staff, the LPA staff members, DCHC MPO member agencies, and regional partners throughout 2012-2013 to develop a consistent regional methodology for constructing future year land use and socio-economic forecasts; and,
2. Preliminary forecasts were finalized in early summer 2012

#### **Proposed Activities:**

1. Continue to work with LPA and DCHCMPO partners to collect future land use information and to develop and check future year forecasts;
2. Acquire benchmark data for evaluating correctness of future year forecasts, and perform the evaluation;
3. Develop maps, tables and other presentation materials for review of the forecasts by elected officials and the public; and,
4. Coordinate public review of the future year forecasts and seek formal adoption of the forecasts by the DCHC MPO TAC.

#### **Products/Deliverables:**

1. Forecasts of land use and socio-economic data for use in the 2045 MTP, Presentation materials based on those forecasts for public review.

#### **Relationship to Other Plans and MPO Activities:**

1. Future year forecasts are an essential element in preparing analyses of alternatives for the 2040 MTP and for all land use and transportation modeling activities.

#### **Completion Date:**

1. Forecasts for use in developing the 204 MTP are anticipated to be adopted by the TAC in fall 2015 or spring of 2016.

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

Work will largely be accomplished by the Town of Chapel Hill in conjunction with the Lead Planning Agency (LPA) MPO technical staff and temporary help.

**Funding Commitments from Other Entities:**

Parallel efforts are underway at the MPO member jurisdiction, TJCOG and CAMPO member jurisdictions. Concerted effort has been made to ensure consistency of results.

## Task II-B:5 Forecast of Data to Horizon year

	FHWA	FTA Planning Funds			
	PL/STP-DA	5303	5307	5309	Total
Federal	\$13,854				\$13,854
Local	\$3,464				\$3,464
State	\$0				\$0
Total	\$17,318	\$0	\$0	\$0	\$17,318

### **Task II-B-10: Transit Element of LRTP and CTP**

The Town of Chapel Hill will assist and support the MPO on the evaluation of transit elements of the Comprehensive Transportation Plan and the 2045 LRTP. Transit evaluate 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. 2035 and 2040 LRTP/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 TAC comments on alternatives and draft CTP.

#### **Products/Deliverables:**

1. Preferred transit element option;
2. Transit CTP map and,
3. Key data for transit projects.

**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 2040 MTP will be important input to this task.

**Completion Date:**

Analysis and studies associated with the transit elements of the LRTP and CTP will commence in fall of 2014 and likely will be completed in fall 2015.

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

Local government staff will manage and implement the transit element of the MTP and CTP.

Task II-B:10 Transit Element of the LRTP

	FHWA	FTA Planning Funds			Total
	PL/STP-DA	5303	5307	5309	
Federal	\$6,736				\$6,736
Local	\$1,684				\$1,684
State	\$0				\$0
Total	\$8,420	\$0	\$0	\$0	\$8,420

**Funding Commitments from Other Entities:**

None.

**Task II-B-11: Bicycle and Pedestrian Element of the LRTP and CTP**

The Town of Chapel Hill will participate and assist the MPO in evaluating the bicycle and pedestrian elements of the Comprehensive Transportation Plan and the 2045 MTP. The Town will continue to work on implementation of the 2014 Bicycle Plan and the development of the 2014 Pedestrian Plan

**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. Update MTP Bicycle and Pedestrian Element maps; and,
5. Work to implement elements of the MTP Bicycle and Pedestrian elements through the TIP.

**Previous Work:**

1. Preparation of the Bicycle and Pedestrian elements of the 2035 LRTP.
2. Chapel Hill Bicycle 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:**

Bicycle and Pedestrian elements of the MTP and CTP will include project descriptions and demand analysis, assessment of need, maps of regional projects, etc.

**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.

**Completion Date:**

Continuous – on-going.

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

Tasks will largely be undertaken by the Town staff.

## Task II-B:11 Bicycle &amp; Ped. Element of the LRTP

	FHWA	FTA Planning Funds			Total
	PL/STP-DA	5303	5307	5309	
Federal	\$7,114				\$7,114
Local	\$1,779				\$1,779
State	\$0				\$0
Total	\$8,893	\$0	\$0	\$0	\$8,893

**Funding Commitments from Other Entities:**

None

### **Task II-B-17: Congestion Management Strategies**

The Town of Chapel Hill work with the MPO to refine the collection and analysis of data related to the ongoing development of congestion management system for the MPO. Using data collected locally and through the efforts of the MPO the Town will prepare information and analysis specific to evaluating congestion in Chapel Hill and develop strategies to address these issues.

#### **Objectives:**

1. To identify a areas of congestion within the Town based on collection of count information.
2. Develop strategies to address congested corridors and key intersections;
3. Prepare annual report for Town Council highlighting key issues and proposed recommendations.
4. Coordinate with MPO staff to develop regional CMS.

#### **Previous Work:**

1. Coordination with MPO for collection of 2012 and 2013 based data,
2. Review of draft 2012 MPO CMS Report.

#### **Proposed Activities:**

1. Coordinate with MPO on collection of data;
2. Provide MPO with locally collected transportation data;
3. Prepare status report for Town of Chapel Hill
4. Support MPO development of MPO CMS

#### **Products/Deliverables:**

1. MPO CMS Report
2. Chapel Hill Mobility Report Card Update

#### **Relationship to Other Plans and MPO Activities:**

The MPO CMS Report provides an ongoing source of information for local government on current state of the transportation network and identifies key problem areas to be addressed in the development of the MTP and the implementation of the MTP through the TIP.

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 2040 MTP will be important input to this task.

#### **Completion Date:**

Preparation of updated MPO CMS and Chapel Hill Mobility Report Card by June 30, 2014.

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

Local government staff will coordinate with MPO on development of CMS and prepare local Mobility Report Card.

**Task II-B:17 Congestion Management Strategies**

	FHWA	FTA Planning Funds			
	PL/STP-DA	5303	5307	5309	Total
Federal	\$16,840				\$16,840
Local	\$4,210				\$4,210
State	\$0				\$0
<b>Total</b>	<b>\$21,050</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$21,050</b>

**Funding Commitments from Other Entities:**

None.

**Task III-A: Planning Work Program**

Administer the Chapel Hill element of the FY 2014-2015 UPWP and prepare and process amendments as needed. Evaluate transportation planning work needs and emphasis areas and prepare the FY 2016 UPWP.

**Objective:**

To prepare and continually maintain a Unified Planning Work Program (UPWP) that describes all transportation and transportation-related planning activities anticipated within the Town of Chapel Hill and DCHC MPO planning area for the FY 2014-2015. To develop, maintain, and complete the UPWP in conformance with applicable federal, state, and regional guidelines. 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. FY 2013-145 Unified Planning Work Programs5.
2. Amendment to the FY 2014UPWP.

**Proposed Activities:**

1. Review and amend relevant portions of the DCHC's UPWP in order 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 TAC meeting.

**Expected Work Products:**

1. Amendments to the current UPWP as necessary.
2. Development of the FY 2015-17 Unified Planning Work Program (UPWP).

## Task III-A: Unified Planning Work Program (UPWP)

	FHWA	FTA Planning Funds			
	PL/STP-DA	5303	5307	5309	Total
Federal	\$2,440				\$2,440
Local	\$610				\$610
State	\$0				\$0
<b>Total</b>	<b>\$3,050</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,050</b>

**Task III-B: Transportation Improvement Program (TIP)**

Amend TIP/ MTIP as needed. Continue to develop FY 2007 – 2013 MTIP. 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 STP DA funds.

**Objectives:**

Provide input to annually developing, amending, adjusting and maintaining the Transportation Improvement Program (TIP) for the metropolitan area. Under this activity, the Town provide input to update and amend the current, seven-year program of transportation improvement projects (MTIP) that is consistent with the 2025 Long-Range Transportation Plan, STIP, the State Implementation Plan (SIP), EPA Air Quality Conformity Regulations and FHWA/FTA Planning Regulations.

**Previous Work:**

Regional Priority List and DCHC Metropolitan Transportation Improvement Programs (MTIP).

**Proposed Activities:**

1. Develop transportation improvement projects for consideration by the Town Council.
2. Develop 2016-2022 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 SPOT and 2016-22 TIP.
2. Assist and provide support to the LPA regarding STI/SPOT
3. 2007 - 2013 Metropolitan Transportation Improvement Program
4. Develop and refine procedures necessary for TIP preparation and amendments as necessary.
5. TIP Amendments and Adjustments as necessary.

**Task III-B: Transportation Improvement Program -TIP/SPOT**

	FHWA PL/STP-DA	FTA Planning Funds			Total
		5303	5307	5309	
Federal	\$3,660				\$3,660
Local	\$915				\$915
State	\$0				\$0

Total	\$4,575	\$0	\$0	\$0	\$4,575
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**Task III-D-3 Special Studies**

The Town of Chapel Hill will prepare a Pedestrian Plan.

**Objectives:**

To update the Town's current Pedestrian Plan to reflect changes in Town Council policies, adopted land use plans, consistency with Complete Street guidelines and MPO regional initiatives.

**Previous Work:**

1. Development of 2006 Pedestrian Plan
2. Development of 2014 Bicycle Plan..

**Proposed activities:**

1. Prepare Pedestrian Plan
2. Coordinate with MPO for incorporation into pedestrian element of MTP.
3. Conduct public meetings, workshops, and outreach programs to support the development of the Pedestrian Plan.

**Expected Work Products:**

1. Updated Pedestrian Plan

	Task III-D-3: Special Studies				
	FHWA PL/STP-DA	FTA Planning Funds			Total
		5303	5307	5309	
Federal	\$81,339				\$81,339
Local	\$20,335				\$20,335
State	\$0				\$0
<b>Total</b>	<b>\$101,673</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$101,673</b>

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

It is anticipated that a consultant will be engaged to prepare the Pedestrian Plan with assistance from municipal staff.. Consultant cost is estimated at \$75,000.

**Funding Commitments from Other Entities:**

None.

**Task III-D-4: Regional or Statewide Planning**

The Town will continue to work with Triangle Transit to implement specific elements of the regional light rail project. The Town will continue to coordinate with Triangle Transit and the MPO on the environmental studies required to secure State and federal funding and to develop appropriate station area land use plans to support the implementation of the project.

**Objectives:**

1. Coordinate with Triangle Transit to provide input into ongoing environmental studies;
2. Coordinate with UNC Chapel Hill on specific alignment issues.
3. Prepare land use plans as necessary at station area sites.

**Previous Work:**

Coordination with Triangle Transit on Alternatives Analysis and related work.

**Proposed Activities:**

1. Regular participation at project scoping, environmental study and public meetings conducted by the Triangle Transit.
2. Review and comment on various elements of the environmental analysis;
3. Prepare small area plans and other related land use changes at station area locations.

**Products/Deliverables:**

1. Written comments on project scoping and environmental studies, activities and documents;
2. Updated land use plans.

**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 State and federal funding through the TIP.

**Completion Date:**

These activities are provided as needed throughout the year.

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

Tasks will be undertaken by municipal staff.

## Task III-D-4: Regional or Statewide Planning

	FHWA	FTA Planning Funds			Total
	PL/STP-DA	5303	5307	5309	
Federal	\$4,880				\$4,880
Local	\$1,220				\$1,220
State	\$0				\$0
Total	\$6,100	\$0	\$0	\$0	\$6,100

**Funding Commitments from Other Entities:**

None.

**Task III-E: Management and Operations**

The Town will assist and support the DCHCMPO efforts in complying to the federal 3-C process. The Town of Chapel Hill staff will attend both DCHCMPO and regional meetings. The continuing transportation planning process requires considerable administrative time for attending monthly committee meetings, preparing agendas and minutes to 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 STP-DA funds account and other Federal Funds.

***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:***

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 participation in Technical Coordinating Committee (TCC) and the Transportation Advisory Committee (TAC) meetings , providing technical assistance to the TAC, development of the MTIP, 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 Town of Chapel Hill 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.
  
5. Review and comment on federal and state transportation-related plans, programs, regulations and guidelines pertaining to the Town of Chapel Hill.

***Work Product Expected:***

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

Task III-E-1:	Management & Operations	
	FHWA	FTA Planning

	PL/STP-DA	Funds			Total
		5303	5307	5309	
Federal	\$27,711				\$27,711
Local	\$6,928				\$6,928
State	\$0				\$0
Total	\$34,639	\$0	\$0	\$0	\$34,639

## Chapel Hill Transit (CHT) for FTA 5303

### Checklist for FTA UPWP Reviews (Please provide description):

1. Planning activities should be programmed which support required actions emanating from a **minimum twenty-year horizon long range transportation plan** (the Plan) which **conforms to Environmental Protection Agency air quality standards**; any goals and objectives stated in the UPWP should reflect goals and objectives stated in the Plan;

Yes	No
X	

2. **Description of each discreet task** (in simple narrative sentence(s). Note that not only "new" actions, but also "carry-over" actions listed in previous programming documents must be described, for each UPWP should be independent and comprehensive; new actions should be clearly differentiated from carry-over action; tasks that may be within the MPO's charter, but will not be included in the current year planning should be excluded/deleted; the UPWP should not be constructed as a universal or perpetual document, but should be tailored each year;

Yes	No
X	

3. **Amount of FTA planning funds** sought to support each planning action/task in the current FY; note that administrative costs including indirect overhead costs may be spread across tasks, and not listed as a separate task OR at the option of the author, an overhead rate applicable across the board to all activities may be indicated and the totals extended;

Yes	No
X	

4. **FTA Program** (e.g. Section 5307 Urbanized Area Formula Program, Section 5303 Metropolitan Planning Program etc.) from which those funds will be drawn; when a specific task is proposed to be funded from more than one source, it is necessary to indicate FTA funding associated with each programmatic source;

Yes	No
X	

5. **Cumulative amount of FTA funds** previously drawn to support each task during past fiscal years (ONLY for multi-year tasks which produce specific deliverables); note that amounts should be identified in terms of the year of federal allocation and year of expenditure;

Yes	No
X	

6. **Product/Deliverable** that will be derived from the planning effort (e.g. study, model, UPWP, TIP, etc); deliverables should be actual tangible products rather than indications of progress or expended efforts;

Yes	No
X	

7. **Schedule indicating progress for multi-year tasks**, including date when FTA can expect completion of the planning action/task; here, we seek a **completion date** rather than an expression of the duration of time expected for completion (e.g. "the study will be completed by April 30, 2006" rather than "the study will require six months to complete");

Yes	No
X	

8. **Indication that FTA funds are being used efficiently** for the programmed tasks rather than being banked;

Yes	No
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X

9. **Planning should be accomplished within the environment of robust public involvement** in compliance with the MPO Public Participation Plan (conforming to SAFETEA-LU requirements) endorsed through the Planning Certification Review process;

Yes	No
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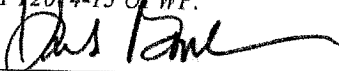
X

10. Specific reference should be made to **SAFETEA-LU** rather than obsolete reauthorization legislation such as ISTEA TEA21 and/or TEA-21.

Yes	No
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X

*I have reviewed and certify that ALL the above items related to CHT are true and accurate as it relates to the DCHC MPO FY2014-15 UPWP.*



*David Bonk, Certification Signature – Planning Supervisor*

**CHAPEL HILL  
Anticipated DBE Contracting Opportunities for FY15**

Name of MPO: Town of Chapel Hill

Person Completing Form: Carmen Cole

Telephone Number: 919-969-4911

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
THERE ARE CURRENTLY NO ANTICIPATED DBE CONTRACTING OPPORTUNITIES.				\$0	\$0

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

# **Town of Carrboro**

- Funding Table
- Task Description and Narrative

Task Description		STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 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 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
II A	Surveillance of Change																	
II A	1 Traffic Volume Counts	0	0	0	0													
	2 Vehicle Miles of Travel	0	0	0	0													
	3 Street System Changes	0	0	0	0													
	4 Traffic Accidents	0	0	0	0													
	5 Transit System Data	0	0	0	0													
	6 Dwelling Unit, Pop. & Emp. Change	0	0	0	0													
	7 Air Travel	0	0	0	0													
	8 Vehicle Occupancy Rates	0	0	0	0													
	9 Travel Time Studies	0	0	0	0													
	10 Mapping	482	1,929	0	0									482	1,929		2,411	
	11 Central Area Parking Inventory	69	274	0	0									69	274		343	
	12 Bike & Ped. Facilities Inventory	0	0	0	0													
	13 Bike & Ped. Counts	1,200	4,800	0	0									1,200	4,800		6,000	
II B	Long Range Transp. Plan																	
II B	1 Collection of Base Year Data	253	1,012	0	0									253	1,012		1,265	
	2 Collection of Network Data	218	871	0	0									218	871		1,089	
	3 Travel Model Updates	0	0	0	0													
	4 Travel Surveys	0	0	0	0													
	5 Forecast of Data to Horizon year	471	1,884	0	0									471	1,884		2,354	
	6 Community Goals & Objectives	73	290	0	0									73	290		363	
	7 Forecast of Future Travel Patterns	0	0	0	0													
	8 Capacity Deficiency Analysis	0	0	0	0													
	9 Highway Element of In L RTP	0	0	0	0													
	10 Transit Element of the L RTP	0	0	0	0													
	11 Bicycle & Ped. Element of the L RTP	0	0	0	0													
	12 Airport/Air Travel Element of L RTP	0	0	0	0													
	13 Collector Street Element of L RTP	0	0	0	0													
	14 Rail, Water or other mode of L RTP	0	0	0	0													
	15 Freight Movement/Mobility Planning	0	0	0	0													
	16 Financial Planning	0	0	0	0													
	17 Congestion Management Strategies	109	436	0	0									109	436		545	
	18 Air Qual. Planning/Conformity Anal.	0	0	0	0													
III C	Short Range Transit Planning																	
III C	1 Short Range Transit Planning	327	1,307	0	0									327	1,307		1,634	
III-A	Planning Work Program	327	1,307	0	0									327	1,307		1,634	
III-B	Transp. Improvement Plan	436	1,743	0	0									436	1,743		2,179	
III-C	Civil Rgts. Cmp./Otr. Reg. Reqs.																	
	1 Title VI	0	0	0	0													
	2 Environmental Justice	0	0	0	0													
	3 Minority Business Enterprise	0	0	0	0													
	4 Planning for the Elderly & Disabled	73	290	0	0									73	290		363	
	5 Safety/Drug Control Planning	0	0	0	0													
	6 Public Involvement	272	1,087	0	0									272	1,087		1,359	
	7 Private Sector Participation	0	0	0	0													
III-D	Incidental Ping /Project Dev.																	
III-D	1 Transportation Enhancement Ping.	0	0	0	0													
	2 Enviro. Analysis & Pre-TIP Ping.	0	0	0	0													
	3 Special Studies	30,503	122,013	0	0									30,503	122,013		152,516	
	4 Regional or Statewide Planning	0	0	0	0													
III-E	Management & Operations																	
III-E	1 Management & Operations	1,928	7,710	0	0									1,928	7,710		9,638	
Totals		\$36,739	\$146,954	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$36,739	\$0	\$146,954	\$0	\$183,693

Town of Carrboro

Durham-Chapel Hill-Carrboro Urban Area  
FY 2014-2015 Unified Planning Work Program  
Proposed Funding Source Tables

Carrboro  
3/4/2014 21:35

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**II-A-10. Mapping**

Town staff will complete mapping activities for the 2045 Metropolitan Transportation Plan, other MPO tasks, and Town transportation issues relating to MPO goals.

**Objectives**

O1 – Support mapping activities for the 2045 MTP

O2 – Generate maps as needed for other MPO and Town transportation planning tasks

**Previous work**

Provided local socioeconomic data for the 2040 MTP. Reviewed and modified CommunityViz 2040 MTP place type and development status categories. Mapped new transit routes for 2040 MTP Transit Element. Provided bicycle and pedestrian shapefiles for 2040 MTP. 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. Regularly update transportation shapefiles based on new developments and completed projects.

**Proposed activities**

1. Review and edit place type and development status layers for CommunityViz (O1)
2. Review maps made for the 2045 MTP (O1)
3. Produce maps to assist the Carrboro Parking Plan (O2)
4. Continue use GIS network analyst to assess markets and service areas for transportation facilities (O2)

**Products**

1. Edited layers for the CommunityViz phase of the 2045 MTP (A1)
2. Other 2045 MTP-related maps as needed (A2)
3. Maps and geographic data related to the Carrboro Parking Plan (A3)
4. Network analyses as needed (A4)

**Relationship to other plans and MPO activities**

2045 MTP, Carrboro Parking Plan, Orange Co. Bus and Rail Investment Plan

**Proposed budget and level of effort**

40 percent of work to be completed by GIS Analyst

30 percent of work to be completed by Transportation Planner

30 percent of work to be completed by Transportation Planning Intern

Local staff hours: 70 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-A-10 - Mapping	\$482	\$1,929	\$2,411

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**II-A-11. Central Area Parking Inventory**

Town staff will conduct an inventory of public and private parking spaces in downtown Carrboro and other areas of town as necessary.

**Objectives**

- O1 – Develop a complete inventory of public and private parking spaces in downtown Carrboro
- O2 – Maintain an inventory of parking spaces in other areas as needed
- O3 – Support the Parking Plan’s data collection and analysis

**Previous work**

The Town maintains an inventory of all municipal parking spaces. The last major inventory of private spaces was conducted as part of *Carrboro Parking: An Exploratory Study*, a 2008 study conducted by the UNC Dept. of City and Regional Planning. Chapel Hill Transit maintains an inventory of park-and-ride spaces.

**Proposed activities**

1. Review existing public and private parking space inventory data to ensure it is up-to-date (O1)
2. Count the number of spaces in lots for which there is not currently data (O1, O2)
3. As part of the Parking Plan process, coordinate with the consulting team to use the inventory for analyses of parking utilization (O3)

**Products**

1. Shapefile with parking space count data (A1, A2)
2. Spreadsheet with parking space count data (A1, A2)

**Relationship to other plans and MPO activities**

Carrboro Parking Plan, 2045 MTP

**Proposed budget and level of effort**

30 percent of work to be completed by Transportation Planner

70 percent of work to be completed by Transportation Planning Intern

Local staff hours: 15 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-A-11 - Central Area Parking Inventory	\$69	\$274	\$343

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**II-A-13. Bicycle and Pedestrian Counts**

Town staff plan to purchase two (2) pedestrian and bicycle counters to be installed along multi-use paths.

**Objectives**

O1 – 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

**Previous work**

The Town has collected bicycle and pedestrian traffic data from a number of planning processes, including the 2009 Comprehensive Bicycle Transportation Plan and two Mobility Report Cards. In recent years, traffic impact analyses, the CMP, a UNC Dept. of City and Regional Planning project, and in-house Town counts at the Greensboro St.-Main St. intersection have yielded additional data.

**Proposed activities**

1. Purchase two (2) pedestrian and bicycle counters (O1)

**Products**

1. Pedestrian and bicycle counters (A1)

**Relationship to other plans and MPO activities**

CMP, MTP Bicycle and Pedestrian chapter, NCDOT / ITRE bike-ped count study (non-MPO)

**Proposed budget and level of effort**

No staff time is proposed. Budget applies to purchase of counters. Counters estimated to cost \$3,000 each, and should reduce CMP costs for manually collecting data on these paths.

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-A-13 - Bicycle and Pedestrian Counts	\$1,200	\$4,800	\$6,000

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**II-B-1. Collection of Base Year Data**

Town staff will review 2013 residential and employment data for the 2045 MTP.

**Objectives**

O1 – Ensure accurate base year residential and employment data

**Previous work**

The MPO developed control totals for the 2040 MTP. CommunityViz was used to assign existing place types and development statuses.

**Proposed activities**

1. Review control totals, residential and employment data, and CommunityViz shapefiles for accuracy (O1)
2. Participate in meetings to discuss collection of base year data (O1)

**Products**

1. Review comments and edited data/shapefiles as needed (A1)

**Relationship to other plans and MPO activities**

2045 MTP

**Proposed budget and level of effort**

40 percent of work to be completed by Transportation Planner

15 percent of work to be completed by Planning Administrator

15 percent of work to be completed by Planning Director

30 percent of work to be completed by Transportation Planning Intern

Local staff hours: 70 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-B-1 - Collection of Base Year Data	\$471	\$1,883	\$2,354

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**II-B-5. Forecast of Data to Horizon Year**

Town staff will work with MPO staff and staff from other MPO member jurisdictions to use CommunityViz to project data to 2045 and review land use and transportation projections.

**Objectives**

- O1 – Ensure control totals for forecasts are accurate to the greatest possible extent
- O2 – Improve upon the CommunityViz scenario process from the 2040 MTP

**Previous work**

For the 2040 MTP, the Town contributed data and review comments for countywide growth control totals and the CommunityViz allocation of growth estimates within Orange County.

**Proposed activities**

1. Review control totals and offer comments (O1)
2. Edit CommunityViz place type and development status layers to project future scenarios, such as maximum buildout possible given current land use plans and zoning (O2)
3. Participate in meetings to discuss projections of future data (O1, O2)

**Products**

1. Review comments (A1)
2. Edited and quality-checked CommunityViz layers (A2)

**Relationship to other plans and MPO activities**

2045 MTP

**Proposed budget and level of effort**

40 percent of work to be completed by Transportation Planner

15 percent of work to be completed by Planning Administrator

15 percent of work to be completed by Planning Director

30 percent of work to be completed by Transportation Planning Intern

Local staff hours: 70 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-B-5 - Forecast of Data to Horizon Year	\$471	\$1,883	\$2,354

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**II-B-6. Community Goals and Objectives**

The Town will begin the process of facilitating elected official and local input for the Community Goals and Objectives section of the 2045 MTP. General input on community transportation priorities may also be sought under this task listing.

**Objectives**

- O1 – Begin tasks to prepare for local Goals and Objectives review for 2045 MTP
- O2 – Seek community input on transportation priorities, goals, and objectives
- O3 – Connect Goals and Objectives to the Parking Plan

**Previous work**

Town staff reviewed Goals and Objectives for the 2040 MTP as part of TCC consideration.

**Proposed activities**

1. Hold public input event on transportation goals, objectives, and priorities (O1-O3)
2. Research how to improve collecting community feedback on transportation priorities (O2)
3. Give presentations to the Carrboro Board of Aldermen and Transportation Advisory Board (O1, O2)

**Products**

1. Public input event (A1)
2. Research and recommendations on community feedback (A2)
3. Board of Aldermen presentation (A3)

**Relationship to other plans and MPO activities**

2045 MTP, Public Involvement Policy, Parking Plan

**Proposed budget and level of effort**

All work to be completed by the Transportation Planner

Local staff hours: 10 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-B-6 - Community Goals & Objectives	\$73	\$290	\$363

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**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 continue analysis of downtown Carrboro congestion.

**Objectives**

O1 – Contribute to the ongoing development of the CMP

O2 – Continue research and analysis on downtown Carrboro traffic level of service (LOS)

**Previous work**

The CMP is required by federal law and incorporated into the MTP and TIP processes. Several reports have been given to the Carrboro Board of Aldermen on downtown traffic level of service. A Synchro model of downtown Carrboro traffic has been developed.

**Proposed activities**

1. Contribute to the ongoing development of the CMP (O1)
2. Continue to refine Synchro model of downtown traffic and research ways of reducing traffic congestion (O2)
3. Make presentations to the Carrboro Board of Aldermen and Transportation Advisory Board (O1, O2)

**Products**

1. Local traffic data for the CMP, as needed (A1)
2. Research and analysis on downtown traffic level of service (A2, A3)

**Relationship to other plans and MPO activities**

As noted above, the CMP informs the MTP and TIP processes; Parking Plan

**Proposed budget and level of effort**

All work to be completed by Transportation Planner

Local staff hours: 15 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-B-17 - Congestion Management Strategies	\$364	\$1,456	\$1,820

**TOWN OF CARRBORO**  
**TASK DESCRIPTIONS & NARRATIVES**  
**FY 2014-2015 UPWP**

**II-C-1. Short Range Transit Planning**

The Town will participate in short-range transit planning for the Carrboro-Chapel Hill area. Through the Transit Partners Committee, the Town will provide input on Chapel Hill Transit planning initiatives. The Town will collaborate with Triangle Transit where necessary and with the Town of Chapel Hill in coordinating the annual Transit Forum. The Town will coordinate with Orange County, Triangle Transit, and the MPO on the implementation of the Bus and Rail Investment Plan for Orange County.

**Objectives**

- O1 – Ensure that Carrboro plays a key role in Chapel Hill Transit planning, capital investment, and operations
- O2 – Continue to work with Chapel Hill Transit on new initiatives, short range planning, public involvement, and troubleshooting
- O3 – Assist as needed in implementation of the Bus and Rail Investment Plan for Orange County, coordinating with Orange County, Triangle Transit, and the MPO
- O4 – Continue to coordinate with Triangle Transit in extending regional bus service to downtown Carrboro

**Previous work**

Town of Carrboro elected officials, advisory board members, and staff regularly attend Chapel Hill Transit Partners Committee meetings. The Board of Aldermen endorsed the draft Bus and Rail Investment Plan for Orange County in May 2011. The Town has provided input into initiatives such as the Comprehensive Operations Analysis, Eubanks Road Park-and-Ride Feasibility Study, and others. The Town has studied the feasibility and walk/bike/drive markets for a Triangle Transit bus stop at various locations in Carrboro and provided a report and other information to CHT and TT on improving walking access to bus stops in Carrboro.

**Proposed activities**

1. Continue to participate in Transit Partners Committee meetings (O1, O2)
2. Communicate with Orange County, Triangle Transit, and the MPO, as needed, on the implementation of the Bus and Rail Investment Plan in Orange County (O3)
3. Coordinate with OCBRIP Staff Working Group on service improvements and capital projects as part of the Bus and Rail Investment Plan, including providing information on transit access and service priorities (O3)
4. Communicate with Triangle Transit on regional service extension (O4)
5. Coordinate with Chapel Hill Transit and Town of Chapel Hill staff to hold an annual transit forum (O2)

**Products**

1. Meeting attendance (A1)
2. Capital projects information (A3)
3. Transit forum (A5)
4. Additional transit information as needed (all)

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**Relationship to other plans and MPO activities**

The Bus and Rail Investment Plan and its associated Interlocal Implementation Agreement were approved by Orange County, the MPO, and Triangle Transit. The adopted 2040 MTP Transit element includes the recommendations of the BRI Plan.

**Proposed budget and level of effort**

All work to be completed by Transportation Planner.

Local staff hours: 45 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
II-C-1 - Short Range Transit Planning	\$327	\$1,307	\$1,634

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**III-A-1. Planning Work Program**

The Town will administer the FY 2014-2015 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 2015-2016 UPWP. Town staff will participate in UPWP oversight meetings with MPO staff and staff from other MPO member jurisdictions.

**Objectives**

- O1 – Track and report on Carrboro’s 2014-2015 UPWP activities
- O2 – Process amendments to the UPWP if necessary
- O3 – Submit Carrboro’s portion of the 2015-2016 UPWP to the MPO
- O4 – Participate in oversight of the UPWP process

**Previous work**

Town staff have 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 have also participated in LPA oversight meetings.

**Proposed activities**

1. Complete quarterly reports for the 2014-2015 UPWP (O1)
2. Complete amendment spreadsheets as needed (O2)
3. Prepare Carrboro’s 2015-2016 UPWP documents and budget (O3)
4. Attend LPA oversight meetings and review documents (O4)

**Products**

1. Quarterly progress reports and invoices to the MPO on UPWP activities (A1)
2. Amendment spreadsheets as needed (A2)
3. Carrboro’s 2014-2015 UPWP activities narrative and budget (A3)

**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.

**Proposed budget and level of effort**

All work to be completed by Transportation Planner and Planning Director.  
Local staff hours: 45 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-A-1 - Planning Work Program	\$327	\$1,307	\$1,634

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**III-B-1. Transportation Improvement Program**

Town staff will continue to implement planning and design of TIP projects. Town staff will also continue review of the SPOT 3.0 prioritization process for the FY 16-22 TIP.

**Objectives**

- O1 – Facilitate timely progress on TIP projects, processing amendments when necessary
- O2 – Continue to participate in review and coordination regarding the SPOT 3.0 prioritization process for the FY 16-22 TIP

**Previous work**

The Wilson Park Multi-use Path (U-4726-DF) is a recently-completed TIP project. Projects currently underway include Morgan Creek Greenway Phases 1 and 2 (EL-4828), Homestead-Chapel Hill High School Multi-use Path (U-4726-DE), the Rogers Road Sidewalk (U-4726-DD), and Bicycle Loop Detectors (U-4726-DF). All of these projects should be under construction or nearing construction beginning when the 2014-15 fiscal year begins on July 1.

**Proposed activities**

1. Begin preliminary engineering work for the South Greensboro Street sidewalk project (O1)
2. Review SPOT 3.0 prioritization scores and the draft STIP (O2)
3. Facilitate TAC member one-on-one meetings on the draft STIP (O2)

**Products**

1. Plans for the South Greensboro Street sidewalk project (A1)
2. Review comments on the draft STIP (A2, A3)

**Relationship to other plans and MPO activities**

2016-2022 TIP, 2040 MTP, STP-DA table, Orange County Bus and Rail Investment Plan

**Proposed budget and level of effort**

All work to be completed by the Transportation Planner

Local staff hours: 60 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-B-1 - Transportation Improvement Program	\$436	\$1,743	\$2,179

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**III-C-4. Planning for the Elderly and Disabled**

The Town will research Americans with Disabilities Act standards and guidelines to inform planning efforts.

**Objectives**

O1 – Continue efforts to emphasize the planning, development, evaluation, and reevaluation of transportation facilities and services for the elderly and disabled.

**Previous work**

Throughout the year staff 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.

**Proposed activities**

1. Review draft Public Rights-of-Way Guidelines from the U.S. Access Board for implications for Carrboro transportation projects (O1)

**Products**

N/A

**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**

All work to be completed by Transportation Planner.

Local staff hours: 10 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-C-4 - Planning for the Elderly and Disabled	\$73	\$290	\$363

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**III-C-6. Public Involvement**

The Town will continue to provide for an open exchange of information and ideas between the public and transportation decision-makers. The Town will work to increase public participation in transportation planning issues at the local and regional (MPO) levels and assist as needed in ensuring accordance with the Public Involvement Policy.

**Objectives**

O1 – Provide opportunities for the public to contribute to the planning of local and regional transportation facilities.

O2 – 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 an annual transit forum.

**Proposed activities**

1. Public involvement activities as needed (O1, O2)

**Products**

1. Summaries from public input workshops

**Relationship to other plans and MPO activities**

Public Involvement Policy, MTP

**Proposed budget and level of effort**

50 percent of work to be completed by Transportation Planner

15 percent of work to be completed by Planning Administrator

15 percent of work to be completed by Planning Director

25 percent of work to be completed by Transportation Planning Intern

Local staff hours: 40 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-C-6 - Public Involvement	\$272	\$1,087	\$1,359

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**III-D-3. Special Studies**

The Town will develop a Parking Plan, which will include robust data collection on parking utilization, access, and opinions; analysis of parking policies; projection of future supply and demand; and recommendations for strategies and investments to contribute to sound management of public and private parking. This will provide useful data for both the Town and MPO.

**Objectives**

O1 – Complete a comprehensive Parking Plan

**Previous work**

In the past several years, 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, and the Oak-Poplar Neighborhood Traffic Circulation Study and West Main Street Road Diet Study. UNC Dept. of City and Regional Planning graduate student workshops on parking in Carrboro were conducted in 2013 and 2008.

**Proposed activities**

1. Public and stakeholder participation
2. Data collection
3. Data analysis
4. Mapping
5. Policy analysis
6. Presentations to elected and appointed officials and stakeholder organizations
7. Preparation of a parking plan document
8. Development of a parking demand model for downtown Carrboro

**Products**

1. Parking plan
2. Parking model
3. Data for use by MPO

**Relationship to other plans and MPO activities**

2045 MTP, CMP

**Proposed budget and level of effort**

Majority of work to be completed by a consultant selected through an RFP process

40 percent of work to be completed by Transportation Planner

15 percent of work to be completed by Planning Administrator

15 percent of work to be completed by Planning Director

45 percent of work to be completed by Transportation Planning Intern

Local staff hours: 80 hours

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-D-3 - Special Studies	\$30,381	\$121,523	\$151,904

**TOWN OF CARRBORO  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**III-E-1. Management and Operations**

Administrative tasks necessary to maintaining the 3C planning process will be completed.

**Objectives**

- O1 – Participate and contribute to MPO-related meetings.
- O2 – Adhere to the goals and tasks laid out in the Unified Planning Work Program.
- O3 – Ensure that elected officials have adequate information to make informed decisions on local and regional transportation issues.
- O4 – Ensure the local transportation advisory board has the information it needs to develop sound recommendations on local and regional transportation issues.
- O5 – 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 TAC and TCC meetings (O1)
2. Staff development through professional training courses, seminars, and conferences (O5)
3. Facilitate local Transportation Advisory Board meetings by creating agendas, minutes, and staff reports (O4)
4. Prepare materials and present to the local elected officials related to local and regional transportation planning topics (O3, O4)
5. Attend and participate in MPO subcommittee meetings (O1)

**Products**

1. Staff reports for Board of Aldermen and advisory board meetings

**Relationship to other plans and MPO activities**

See objectives and proposed activities.

**Proposed budget and level of effort**

75 percent of work to be completed by Transportation Planner

10 percent of work to be completed by Planning Administrator

10 percent of work to be completed by Planning Director

5 percent of work to be completed by Transportation Planning Intern

Local staff hours: 260 hours

<b>Task Code-Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-E-1 - Management and Operations	\$1,928	\$7,710	\$9,638

# **TJCOG**

- Funding Table
- Task Description and Narrative

**Durham-Chapel Hill-Carrboro Urban Area  
FY 2014-2015 Unified Planning Work Program  
Proposed Funding Source Tables**

Triangle J COG

TJCOG  
3/4/2014 21:37

Task Description	STP-DA 133(b)(3)(7)		Sec. 104(D) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	Local	FHWA	Local	FHWA	Local	NCDOT	FTA	Local	NCDOT	FTA	Local	NCDOT	FTA	Local	NCDOT	Federal	Total
	20%	80%	20%	80%	10%	10%	80%	10%	10%	80%	25%	25%	50%				
<b>II A Surveillance of Change</b>	0	0	0	0													
1 Traffic Volume Counts	0	0															
2 Vehicle Miles of Travel	0	0															
3 Street System Changes	0	0															
4 Traffic Accidents	0	0															
5 Transit System Data	0	0						0	0								
6 Dwelling Unit, Pop. & Emp. Change	0	0															
7 Air Travel	0	0															
8 Vehicle Occupancy Rates	0	0															
9 Travel Time Studies	0	0															
10 Mapping	0	0															
11 Central Area Parking Inventory	0	0															
12 Bike & Ped. Facilities Inventory	0	0															
13 Bike & Ped. Counts	0	0															
<b>II B Long Range Transp. Plan</b>																	
1 Collection of Base Year Data	0	0															
2 Collection of Network Data	0	0															
3 Travel Model Updates	0	0															
4 Travel Surveys	0	0	0	0													
5 Forecast of Data to Horizon year	0	0															
6 Community Goals & Objectives	0	0															
7 Forecast of Future Travel Patterns	0	0															
8 Capacity Deficiency Analysis	0	0															
9 Highway Element of th LRTP	0	0															
10 Transit Element of the LRTP	0	0															
11 Bicycle & Ped. Element of the LRTP	0	0	0	0													
12 Airport/Air Travel Element of LRTP	0	0															
13 Collector Street Element of LRTP	0	0	0	0													
14 Rail, Water or other mode of LRTP	0	0															
15 Freight Movement/Mobility Planning	0	0															
16 Financial Planning	0	0															
17 Congestion Management Strategies	0	0															
18 Air Qual. Planning/Conformity Anal.	0	0	0	0													
<b>II C Short Range Transit Planning</b>																	
1 Short Range Transit Planning	0	0															
<b>III-A Planning Work Program</b>																	
1 Planning Work Program	0	0															
<b>III-B Transp. Improvement Plan</b>																	
1 Transp. Improvement Plan	0	0															
<b>III-C Cvl Rgts. Cmp./Otr. Reg. Reqs.</b>																	
1 Title VI	0	0															
2 Environmental Justice	0	0															
3 Minority Business Enterprise	0	0															
4 Planning for the Elderly & Disabled	0	0															
5 Safety/Drug Control Planning	0	0															
6 Public Involvement	0	0															
7 Private Sector Participation	0	0															
<b>III-D Incidental Png./Project Dev.</b>																	
1 Transportation Enhancement Ping.	0	0															

Durham-Chapel Hill-Carrboro Urban Area FY 2014-2015 Unified Planning Work Program Proposed Funding Source Tables												TJCOG 3/4/2014 21:37							
Triangle J COG	Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary				
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOJ 10%	FTA 80%	Local 10%	NCDOJ 10%	FTA 80%	Local 25%	NCDOJ 25%	FTA 50%	Local	NCDOJ	Federal	Total	
	2 Enviro. Analysis & Pre-TIP Plng.	0	0	0	0						0	0	0	-	-	-	-	-	
	3 Special Studies	0	0	0	0						0	0	0	-	-	-	-	-	
	4 Regional or Statewide Planning	13,750	55,000															68,750	
III-E	<b>Management &amp; Operations</b>																		
	1 Management & Operations	0	0																
Totals		\$13,750	\$55,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,750	\$55,000	\$68,750

**TRIANGLE J COUNCIL OF GOVERNMENT  
TASK DESCRIPTIONS & NARRATIVES  
FY 2014-2015 UPWP**

**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 a coordinated, timely, effective and cost-efficient way.

**Previous work**

CommunityViz support, evaluation and documentation; Joint 2040 MTP facilitation and technical work; ozone standards and non-attainment education and technical assistance; MTP and TIP conformity coordination, LUCID land use – transit forum and technical work, TRM executive committee support, Transit fiscal constraint spreadsheet.

**Proposed activities**

Major activities include TRM executive committee support, CommunityVIZ 2.0 planning and implementation, land use-transit investment integration, transportation-air quality integration, Triangle Main Line Forum activities, SPOT 3.0 and NCDOT Statewide Plan follow-up activities.

**Products**

- Triangle Regional Model Executive Committee meeting summaries
- CommunityVIZ-related products, focusing on version 2.0 improvements
- LUCID forum meetings and reports
- 2040 MTP air quality conformity amendments, as needed
- SIP motor vehicle emissions budgets activities and AQ technical support

**Relationship to other plans and MPO activities**

This work is most closely tied to the DCHC 2040 MTP implementation process and planning for CommunityViz 2.0, version 6 of the Triangle Regional Model and early steps in the development of the 2045 MTP. Work enables the DCHC MPO to participate in air quality budget establishment, non-attainment boundary designation, land use-transit integration, and further analysis of regional transportation investments.

**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, and allocated indirect.

<b>Task Code - Title</b>	<b>Local 20%</b>	<b>FHWA 80%</b>	<b>Total</b>
III-D-4 – Regional or Statewide Planning	\$13,750	\$55,000	\$68,750

**Funding Commitments from other Entities:**

20% local match to be provided by TJCOG; other funding anticipated from CAMPO and Triangle Transit as in previous years.

# ***Appendices B***

## ***Federal Transit Administration (FTA) Agency Funding Tables & DBE forms***

## **Durham Area Transit Authority (DATA)**

- Funding Table
- Task Description and Narrative
- 5307 & 5303 FTA Task Narrative
- FTA Check Lists
- DBE Form

Durham Area Transit Authority DATA		Durham-Chapel Hill-Carrboro Urban Area FY 2014-2015 Unified Planning Work Program Proposed Funding Source Tables - FTA Transit Funds										Durham 3/4/2014 21:43						
		STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit		Section 5307 Transit		Section 5309 Transit		Task Funding Summary						
Task Description	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total	
III A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	7,933	7,933	63,463	5,278	5,278	42,227	13,211	13,211	105,690	132,112	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	326	326	2,610	483	483	3,862	809	809	6,472	8,090	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	326	326	2,610	10,271	10,271	82,169	10,597	10,597	84,779	105,974	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III C	0	0	0	0	2,610	2,610	20,878	10,058	10,058	80,462	12,668	12,668	101,341	126,676	0	0	0	0
1	0	0	0	0	2,610	2,610	20,878	10,058	10,058	80,462	12,668	12,668	101,341	126,676	0	0	0	0
III-A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-B	0	0	0	0	652	652	5,219	969	969	7,751	1,621	1,621	12,970	16,213	0	0	0	0
III-C	0	0	0	0	326	326	2,610	350	350	2,803	677	677	5,413	6,766	0	0	0	0
1	0	0	0	0	326	326	2,610	350	350	2,803	677	677	5,413	6,766	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	326	326	2,610	937	937	7,494	1,263	1,263	10,104	12,650	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-E	0	0	0	0	6,696	6,696	53,565	2,288	2,288	18,305	8,984	8,984	71,870	89,837	0	0	0	0
1	0	0	0	0	6,696	6,696	53,565	2,288	2,288	18,305	8,984	8,984	71,870	89,837	0	0	0	0
Totals	\$0	\$0	\$0	\$0	\$19,195	\$19,195	\$153,563	\$30,634	\$30,634	\$245,073	\$0	\$0	\$0	\$49,830	\$498,298	\$598,638	\$89,837	\$498,298

# DURHAM AREA TRANSIT FTA TASK NARRATIVE TABLE FY2014-2015 (FY15) UPWP

	DCHC-MPO (DATA)	DCHC-MPO (DATA)	DCHC-MPO (DATA)	DCHC-MPO (DATA)	DCHC-MPO (DATA)	DCHC-MPO (DATA)
1- MPO	442400	442300	442300	442400	442500	
2- FTA Code	II-A-5	II-B-10	II-B-16	II-C1	II-B-1	
3- Task Code	Transit System Data	Transit Element of the L RTP	Financial Planning	Short Range Transit Planning	Transportation Improvement Program (TIP)	
4- Title of Planning Task	To compile and analyze FTA and NCDOT required service information including fixed route and paratransit system routes, ridership and related reports. Conduct system-wide surveys, provide on-going monitoring of operations. Provide oversight of passenger amenities 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, improving the geodatabase of transit routes and stops and updating the inventory of transit stops and amenities.	To provide on-going support to the MPO's effort toward annual updates of the DCHC -MPO's Long Range Transportation Plan. The support would be in the form of transit data compilation, including service area maps, schedules and patron information as a component of the socio economic data needed for the regular update of the L RTP.	To prepare and Monitor the City's Fiscal programs including FTA and NCDOT grants. Apply for and administer grants in TEAM and 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 purchases with state, federal and local laws.	To provide system-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 and amenities.	To continue the program of developing transit plans for improving transit services 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. A key objective is updating the transit element of the Coordinated Transportation Plan.	
5- Task Objective	Monthly and annual statistical reports, OPSTATS reports, Annual Budget summaries, Monthly operational reports, Council reports, Passenger amenities, short, and long term transit plans,	Transit Maps, GIS Overlays, Powerpoint Displays, Socioeconomic data compilation and analysis associated with daily monthly and annual transit patronage and service delivery	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	Maps of service changes, Public Input process and outcomes, Public hearings, City Council reports, service implementation plans and related processes.	
6- Tangible Product Expected	6/30/2015	6/30/2015	6/30/2015	6/30/2015	6/30/2015	
7- Expected Completion Date of Product(s)	These activities are on-going and were completed in previous years as part of 5303 and 5307 funded task element	2014 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.	
8- Previous Work						
9- Prior FTA Funds	\$51,488	\$3,783	\$80,902	\$78,850	\$7,594	
10- Relationship To Other Activities	Related to task III-E	This program is intended to support various MPO planning efforts related on the L RTP updates	Related to task III-E	Data retrieved would be used to disseminate service delivery and patronage information to transit management, City Council, FTA, NCDOT	These activities outlined also the MPO's overall FY15 Unified Work Program.	
11- Agency Responsible for Task Completion	Durham Area Transit	Durham Area Transit	Durham Area Transit	Durham Area Transit and Triangle Transit	Durham Area Transit and Triangle Transit	
12- G- HPR - Highway - NCDOT 20%						
13- G- HPR - Highway - FHWA 80%						
14- G- Section 104 (f) PL Local 20%						
15- G- Section 104 (f) PL FHWA 80%						
16- G- Section 5303 Local 10%	\$7,933	\$326	\$326	\$2,610	\$652	
17- G- Section 5303 NCDOT 10%	\$7,933	\$326	\$326	\$2,610	\$652	
18- G- Section 5303 FTA 80%	\$63,462	\$2,610	\$2,610	\$20,878	\$5,219	
19- G- Section 5307 Transit - Local 10%	\$483	\$10,271	\$10,271	\$10,058	\$969	
20- Section 5307 Transit - NCDOT 10%	\$5,278	\$483	\$10,271	\$10,058	\$969	
21- Section 5307 Transit - FTA 80%	\$42,227	\$3,862	\$82,168	\$82,168	\$7,751	

**DURHAM AREA TRANSIT  
FTA TASK NARRATIVE TABLE  
FY2014-2015 (FY15) UPWP**

1- MPO	DCHC-MPO (DATA)	DCHC-MPO (DATA)	DCHC-MPO (DATA)	DCHC-MPO (DATA)	TOTALS
2- FTA Code	442100	442199	442100	442100	
3- Task Code	III-C-1	III-C-5	III-C-1	III-E	
4- Title of Planning Task	<b>Title VI</b> 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 fairness in the delivery of current fixed route transit service.	<b>Public Involvement</b> To seek out untapped patrons of the transit service through the use of aggressive public involvement and sustained marketing of the system. Also to engage 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 Title VI matters.	<b>Management and Operations</b> To provide overall transit system management and operations oversight of the fixed route and paratransit services, including service delivery, budgeting, service monitoring 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.JS		
5- Task Objective					
6- Tangible Product Expected	Title VI document related to all service changes that require that we provide such analysis for review and approval by the FTA	Public meeting agenda, outcome and reports, Public hearing notices and summary reports, meeting attendance and related Council reports	Budget outlay, monthly and annual operational and ridership reports, service planning information, safety and training reports, service marketing and outreach programs personnel matters.		
7- Expected Completion Date of Product(s)	6/30/2015	6/30/2015	6/30/2015	6/30/2015	
8- Previous Work	Same as above	On-going	Same as above	Same as above	
9- Prior FTA Funds	\$2,746	\$7,942	\$7,942	\$17,924	\$280,718
10- Relationship To Other Activities	Related to task III-E	This effort relates to and supports the MPOs overall FY15 unified Work Program of enhancing transportation delivery in Durham	Related to task III-E	Related to task III-E	
11- Agency Responsible for Task Completion	Durham Area Transit and Triangle Transit		Durham Area Transit		
12- HPR - Highway - NCDOT 20%					
13- MPR - Highway - FHWA 80%					
14- Section 104 (f) PL Local 20%					
15- Section 104 (f) PL FHWA 80%					
16- Section 5303 Local 10%	\$326	\$326	\$326	\$6,696	\$14,077
17- Section 5303 NCDOT 10%	\$326	\$326	\$326	\$6,696	\$14,077
18- Section 5307 FTA 80%	\$2,610	\$2,610	\$2,610	\$53,565	\$112,615
19- Section 5307 Transit - Local 10%	\$350	\$350	\$350	\$7,000	\$14,700
20- Section 5307 Transit - NCDOT 10%	\$350	\$350	\$350	\$7,000	\$14,700
21- Section 5307 Transit - FTA 80%	\$2,803	\$7,494	\$7,494	\$2,288	\$35,752
				\$18,905	\$286,071

# Durham Area Transit Authority

## Checklist for FTA UPWP Reviews (provide Description):

1. Planning activities should be programmed which support required actions emanating from a **minimum twenty-year horizon long range transportation plan** (the Plan) which **conforms to Environmental Protection Agency air quality standards**; any goals and objectives stated in the UPWP should be reflect goals and objectives stated in the Plan;

Yes	No
-----	----

Yes \_\_\_\_\_

2. **Description of each discreet task** (in simple narrative sentence(s). Note that not only "new" actions, but also "carry-over" actions listed in previous programming documents must be described, for each UPWP should be independent and comprehensive; new actions should be clearly differentiated from carry-over action; tasks that may be within the MPO's charter, but will not be included in the current year planning should be excluded/deleted; the UPWP should not be constructed as a universal or perpetual document, but should be tailored each year;

Yes	No
-----	----

Yes \_\_\_\_\_

3. **Amount of FTA planning funds** sought to support each planning action/task in the current FY; note that administrative costs including indirect overhead costs may be spread across tasks, and not listed as a separate task OR at the option of the author, an overhead rate applicable across the board to all activities may be indicated and the totals extended;

Yes	No
-----	----

Yes \_\_\_\_\_

4. **FTA Program** (e.g. Section 5307 Urbanized Area Formula Program, Section 5303 Metropolitan Planning Program etc.) from which those funds will be drawn; when a specific task is proposed to be funded from more than one source, it is necessary to indicate FTA funding associated with each programmatic source;

Yes	No
-----	----

Yes \_\_\_\_\_

5. **Cumulative amount of FTA funds** previously drawn to support each task during past fiscal years (ONLY for multi-year tasks which produce specific deliverables); note that amounts should be identified in terms of the year of federal allocation and year of expenditure;

Yes	No
-----	----

Yes \_\_\_\_\_

6. **Product/Deliverable** that will be derived from the planning effort (e.g. study, model, UPWP, TIP, etc); deliverables should be actual tangible products rather than indications of progress or expended efforts;

Yes	No
-----	----

Yes \_\_\_\_\_

7. **Schedule indicating progress for multi-year tasks**, including date when FTA can expect completion of the planning action/task; here, we seek a **completion date** rather than an expression of the duration of time expected for completion (e.g. "the study will be completed by April 30, 2006" rather than "the study will require six months to complete");

Yes	No
-----	----

Yes \_\_\_\_\_

8. **Indication that FTA funds are being used efficiently for the programmed tasks rather than being banked;**

Yes	No
-----	----

Yes

9. **Planning should be accomplished within the environment of robust public involvement in compliance with the MPO Public Participation Plan (conforming to SAFETEA-LU requirements) endorsed through the Planning Certification Review process;**

Yes	No
-----	----

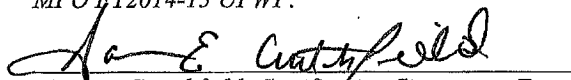
Yes

10. **Specific reference should be made to SAFETEA-LU rather than obsolete reauthorization legislation such as ISTEA and/or TEA-21.**

Yes	No
-----	----

Yes

*I have reviewed and certify that ALL the above items related to DATA are true and accurate as it relates to the DCHC MPO FY2014-15 UPWP.*



*Harmon Crutchfield, Certification Signature - Transit Administrator*

**CITY OF DURHAM**  
**Anticipated DBE Contracting Opportunities for FY15**

Name of MPO: CITY OF DURHAM (DATA)

Person Completing Form: Pierre Owusu

Telephone Number: 919-560-5343 ext. 36214

Prospectus 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
	THERE ARE CURRENTLY NO PLANNED DBE CONTRACTING OPPORTUNITIES ASSOCIATED WITH THIS GRANT			\$0.00	\$0.00

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

## **Chapel Hill Transit (CHT)**

- Funding Table
- Task Description and Narrative
- 5307 & 5309 FTA Task Narrative
- FTA Check Lists
- DBE Form

Durham-Chapel Hill-Carrboro Urban Area FY 2014-2015 Unified Planning Work Program Proposed Funding Source Tables - FTA Transit Funds															Town of Chapel Hill 3/5/2014 9:26		
Task Description	Sec. 104(f) PL			Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary				
	STP-DA Local 20%	FHWA 30%	Local 20%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total	
III A Surveillance of Change	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1 Traffic Volume Counts	0	0	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	0	0	
3 Street System Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4 Traffic Accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5 Transit System Data	0	0	0	0	0	0	1,609	1,609	12,875	0	0	0	1,609	1,609	12,875	16,094	
6 Dwelling Unit, Pop. & Emp. Change	0	0	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	0	0	
8 Vehicle Occupancy Rates	0	0	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	0	0	
10 Mapping	0	0	0	0	0	0	1,376	1,376	11,007	0	0	0	1,376	1,376	11,007	13,759	
11 Central Area Parking Inventory	0	0	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	0	0	
13 Bike & Ped. Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
III B Long Range Transp. Plan	0	0	0	0	0	0	0	0	0	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	0	0	0	
2 Collection of Network Data	0	0	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	0	0	
4 Travel Surveys	0	0	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	0	0	
6 Community Goals & Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7 Forecast of Future Travel Patterns	0	0	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	0	0	
9 Highway Element of the LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10 Transit Element of the LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11 Bicycle & Ped. Element of the LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12 Airport/Air Travel Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13 Collector Street Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14 Rail, Water or other mode of LRTP	0	0	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	0	0	
16 Financial Planning	0	0	0	0	0	0	25,000	25,000	200,000	0	0	0	25,000	25,000	200,000	250,000	
17 Congestion Management Strategies	0	0	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	
III C Short Range Transit Planning	0	0	0	0	0	0	624	624	4,996	0	0	0	624	624	4,996	6,245	
1 Short Range Transit Planning	0	0	0	0	0	0	248	248	1,985	0	0	0	248	248	1,985	2,513	
III-A 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	0	0	0	0	248	248	1,985	0	0	0	248	248	1,985	2,513	
III-C Cvl Rgts. Cmp./Otr. Reg. Reqs.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1 Title VI	0	0	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	0	0	
3 Minority Business Enterprises	0	0	0	0	0	0	248	248	1,982	0	0	0	248	248	1,982	2,508	
4 Planning for the Elderly & Disabled	0	0	0	0	0	0	893	893	7,147	0	0	0	893	893	7,147	9,045	
5 Safety/Drug Control Planning	0	0	0	0	0	0	31	31	250	0	0	0	31	31	250	282	
6 Public Involvement	0	0	0	0	0	0	200	200	1,601	0	0	0	200	200	1,601	2,027	
7 Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
III-D Incidental Png./Project Dev.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1 Transportation Enhancement Png.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 Enviro. Analysis & Pre-TIP Png.	0	0	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	0	0	
4 Regional or Statewide Planning	0	0	0	0	0	0	900	900	7,200	0	0	0	900	900	7,200	9,000	
III-E Management & Operations	0	0	0	0	0	0	3,855	3,855	30,838	0	0	0	3,855	3,855	30,838	38,547	
1 Management & Operations	0	0	0	0	0	0	\$55,453	\$35,453	\$283,621	\$26,250	\$26,250	\$210,000	\$61,703	\$61,964	\$493,621	\$617,288	
Totals	\$0	\$0	\$0	\$0	\$261	\$0	\$3,855	\$3,855	\$30,838	\$0	\$0	\$210,000	\$61,703	\$61,964	\$493,621	\$617,288	





# Chapel Hill Transit (CHT) for FTA 5307 and 5309

## Checklist for FTA UPWP Reviews (Please provide description):

1. Planning activities should be programmed which support required actions emanating from a **minimum twenty-year horizon long range transportation plan** (the Plan) which **conforms to Environmental Protection Agency air quality standards**; any goals and objectives stated in the UPWP should be reflect goals and objectives stated in the Plan;

Yes	No
X	

2. **Description of each discreet task** (in simple narrative sentence(s). Note that not only "new" actions, but also "carry-over" actions listed in previous programming documents must be described, for each UPWP should be independent and comprehensive; new actions should be clearly differentiated from carry-over action; tasks that may be within the MPO's charter, but will not be included in the current year planning should be excluded/deleted; the UPWP should not be constructed as a universal or perpetual document, but should be tailored each year;

Yes	No
X	

3. **Amount of FTA planning funds** sought to support each planning action/task in the current FY; note that administrative costs including indirect overhead costs may be spread across tasks, and not listed as a separate task OR at the option of the author, an overhead rate applicable across the board to all activities may be indicated and the totals extended;

Yes	No
X	

4. **FTA Program** (e.g. Section 5307 Urbanized Area Formula Program, Section 5303 Metropolitan Planning Program etc.) from which those funds will be drawn; when a specific task is proposed to be funded from more than one source, it is necessary to indicate FTA funding associated with each programmatic source;

Yes	No
X	

5. **Cumulative amount of FTA funds** previously drawn to support each task during past fiscal years (ONLY for multi-year tasks which produce specific deliverables); note that amounts should be identified in terms of the year of federal allocation and year of expenditure;

Yes	No
X	

6. **Product/Deliverable** that will be derived from the planning effort (e.g. study, model, UPWP, TIP, etc); deliverables should be actual tangible products rather than indications of progress or expended efforts;

Yes	No
X	

7. **Schedule indicating progress for multi-year tasks**, including date when FTA can expect completion of the planning action/task; here, we seek a **completion date** rather than an expression of the duration of time expected for completion (e.g. "the study will be completed by April 30, 2006" rather than "the study will require six months to complete");

Yes	No
X	

**CHAPEL HILL  
Anticipated DBE Contracting Opportunities for FY15**

Name of MPO: Town of Chapel Hill

Person Completing Form: Carmen Cole

Telephone Number: 919-969-4911

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
	THERE ARE CURRENTLY NO ANTICIPATED DBE CONTRACTING OPPORTUNITIES.			\$0	\$0

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

## **Triangle Transit Authority (TTA)**

- Funding Table
- FTA Task Narrative
- FTA Check Lists
- DBE Form

Triangle Transit Authority (TTA)													Durham-Chapel Hill-Carrboro Urban Area												
FY 2014-2015 Unified Planning Work Program													Proposed Funding Source Tables												
Task Description	Local Transit		Sec. 104(f) & 133(d)(3)(7)		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary											
	Local 100%	Local 20%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total								
<b>II A Surveillance of Change</b>																									
1 Traffic Volume Counts																									
2 Vehicle Miles of Travel																									
3 Street System Changes																									
4 Traffic Accidents																									
5 Transit System Data		125,000																							
6 Dwelling Unit, Pop. & Emp. Change																									
7 Air Travel																									
8 Vehicle Occupancy Rates																									
9 Travel Time Studies																									
10 Mapping																									
11 Central Area Parking Inventory																									
12 Bike & Ped. Facilities Inventory																									
13 Bike & Ped. Counts																									
<b>II B Long Range Transp. Plan</b>																									
1 Collection of Base Year Data																									
2 Collection of Network Data																									
3 Travel Model Updates		90,000																							
4 Travel Surveys																									
5 Forecast of Data to Horizon year																									
6 Community Goals & Objectives																									
7 Forecast of Future Travel Patterns																									
8 Capacity Deficiency Analysis																									
9 Highway Element of th LRTP																									
10 Transit Element of the LRTP																									
11 Bicycle & Ped. Element of the LRTP																									
12 Airport/Air Travel Element of LRTP																									
13 Collector Street Element of LRTP																									
14 Rail, Water or other mode of LRTP																									
15 Freight Movement/Mobility Planning																									
16 Financial Planning																									
17 Congestion Management Strategies																									
18 Air Qual. Planning/Conformity Anal.																									
<b>II C Short Range Transit Planning</b>																									
1 Short Range Transit Planning																									
<b>III-A Planning Work Program</b>																									
<b>III-B Transp. Improvement Plan</b>																									
<b>III-C Cvl Rgts. Cmp./Otr. Reg. Reqs.</b>																									
1 Title VI																									
2 Environmental Justice																									
3 Minority Business Enterprise																									
4 Planning for the Elderly & Disabled																									
5 Safety/Drug Control Planning																									
6 Public Involvement																									
7 Private Sector Participation																									
<b>III-D Incidental Ping./Project Dev.</b>																									
1 Transportation Enhancement Ping.																									
2 Enviro. Analysis & Pre-TIP Ping.																									
3 Special Studies																									
4 Regional or Statewide Planning																									

Durham-Chapel Hill-Carrboro Urban Area																	
FY 2014-2015 Unified Planning Work Program																	
Proposed Funding Source Tables																	
Triangle Transit Authority (TTA)																	
TTA 3/4/2014 21:38																	
Task Description	Local Transit		Sec. 104(f) & 133(b)(3)(7)		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	Local	Transit	Local	FHWA	Local	NCDOT	FTA	Local	NCDOT	FTA	Local	NCDOT	FTA	Local	NCDOT	Federal	Total
III-E Management & Operations	100%		20%	80%	10%	10%	80%	10%	10%	80%	25%	25%	50%				
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	\$0	\$215,000	\$0	\$0	\$0	\$85,500	\$684,000	\$0	\$85,500	\$684,000	\$0	\$0	\$0	\$300,500	\$85,500	\$684,000	\$1,070,000

### Triangle Transit 2013 - 2014 UPWP

1- MPO	442400	442301	442302	TOTALS
2- FTA Code	II-A-5	II-B-3	III-D-3	
3- Task Code	Transit System Data	Travel Model Updates	Special Studies	
4- Title of Planning Task	Collect data via Internet survey on parking-constrained destinations in the Region to support development of Triangle Regional Model's parking sub-components	Support for Triangle Regional Model Service Bureau	Studies may be conducted for corridors that show promise during the course of the development of the transit element of the MTP, including alternatives analysis activities, capital cost estimation, operating cost estimations, financial planning, and transit expert studies for corridors, alignments, and bus and rail service plans	
5- Task Objective	Data on incomes, parking costs, employer subsidies, travel patterns, and other data- of those using paid parking in employment centers	Updated Triangle Regional Model	RFP and/or Technical Report	
6- Tangible Product Expected				
7- Expected Completion Date of Product(s)	6/30/2015	6/30/2015	6/30/2015	
8- Previous Work	None; new model component.	Ongoing support of TRM service bureau	URS Reports, MAB Analyses, Financial Planning Analysis	
9- Prior FTA Funds	\$0	\$0	\$90,000	\$680,000
10- Relationship To Other Activities	Parking components of TRM will help assess transit projects for FTA New Starts program. Triangle Transit	Supports the regional travel model utilized for the MTP and other transit and highway infrastructure planning conducted for the planning purposes. Service Bureau at ITRE responsible for task - Triangle Transit is a funding partner	This task will follow from the transit infrastructure planning conducted for the MTP. Triangle Transit	
11- Agency Responsible for Task Completion				
12- HPR - Highway - NCDOT 20%	\$125,000	\$90,000	\$90,000	\$85,500
13- HPR - Highway - FHWA 80%	\$0	\$0	\$0	\$85,500
14- Section 104 (f) PL Local 20%	\$0	\$0	\$0	\$684,000
15- Section 104 (f) PL FHWA 80%				
16- Section 5303 Local 10%				
17- Section 5303 NCDOT 10%				
18- Section 5303 FTA 80%				
19- Section 5307 Transit - Local 10%				
20- Section 5307 Transit - NCDOT 10%				
21- Section 5307 Transit - FTA 80%				
Additional Funds - Local 100%	\$125,000	\$90,000	\$90,000	\$855,000
<b>TOTAL</b>				

**TRIANGLE TRANSIT (TTA)  
FTA TASK NARRATIVE TABLE  
FY2014-2015 (FY 2015) UPWP**

1. MPO	DCHC		
2. FTA Code	442302.00		
3. Task Code	III-D-3		
4. Title	<i>Special Studies</i>		
5. Task Objective	Support corridor planning functions including alternatives		
6. Tangible Product Expected	Technical reports on specific topics regarding corridors, routes, stations, stops, and policies.		
7. Expected Completion/ Date of Products	6/30/2015		
8. Previous Work	URS reports, model runs from MAB, financial analysis, Value		
9. Prior FTA Funds (\$ amount/Funding Year)	\$855,000/2014		
10. Relationship	Advances planning for bus and rail services in major existing		
11. Agency	Triangle Transit Authority (TTA)		
			Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0
13. HPR - Highway	FHWA	80%	\$0
			<u>\$0 HPR</u>
14. Section 104 (f) PL	Local	20%	\$0
15. Section 104 (f) PL	FHWA	80%	\$0
			<u>\$0 PL</u>
16. Section 5303	Local	10%	\$0
17. Section 5303	NCDOT	10%	\$0
18. Section 5303	FTA	80%	\$0
			<u>\$0 5303</u>
19. Section 5307 (planning)	Local	10%	\$85,500
20. Section 5307 (planning)	NCDOT	10%	\$85,500
21. Section 5307 (planning)	FTA	80%	\$684,000
			<u>\$855,000 5307</u>
22. Additional Funds	Local	100%	\$0
			<u>\$0 Misc.</u>

**TRIANGLE TRANSIT (TTA)  
FTA TASK NARRATIVE TABLE  
FY2014-2015 (FY 2015) UPWP**

1.	MPO	DCHC		
2.	FTA Code	442400		
3.	Task Code	II-A-5		
4.	Title	<i>Transit System Data</i>		
5.	Task Objective	Collect data via Internet survey on parking-constrained		
6.	Tangible Product Expected	Data on incomes, parking costs, employer subsidies, travel patterns, and other data- of those using paid parking in		
7.	Expected Completion / Date of Products	6/30/2015		
8.	Previous Work	None; new model component.		
9.	Prior FTA Funds (\$ amount/Funding Year)	\$0		
10.	Relationship	Parking components of TRM will help assess transit projects		
11.	Agency	Triangle Transit Authority (TTA)		
				Totals By Funding Source (100%)
12.	HPR - Highway	NCDOT	20%	\$0
13.	HPR - Highway	FHWA	80%	\$0
				<u>\$0 HPR</u>
14.	Section 104 (f) PL	Local	20%	\$0
15.	Section 104 (f) PL	FHWA	80%	\$0
				<u>\$0 PL</u>
16.	Section 5303	Local	10%	\$0
17.	Section 5303	NCDOT	10%	\$0
18.	Section 5303	FTA	80%	\$0
				<u>\$0 5303</u>
19.	Section 5307 (planning)	Local	10%	\$0
20.	Section 5307 (planning)	NCDOT	10%	\$0
21.	Section 5307 (planning)	FTA	80%	\$0
				<u>\$0 5307</u>
22.	Additional Funds	Local	100%	\$125,000
				<u>\$125,000 Misc.</u>

**TRIANGLE TRANSIT (TTA)  
FTA TASK NARRATIVE TABLE  
FY2014-2015 (FY 2015) UPWP**

1. MPO	DCHC			
2. FTA Code	442301			
3. Task Code	II-B-3			
4. Title	<i>Travel Model Updates</i>			
5. Task Objective	<b>Support for Triangle Regional Model Service Bureau</b>			
6. Tangible Product Expected	<b>Updated Triangle Regional Model</b>			
7. Expected Completion / Date of Products	<b>6/30/2015</b>			
8. Previous Work	<b>Ongoing support of TRM service bureau</b>			
9. Prior FTA Funds (\$ amount/Funding Year)	<b>\$90,000/2013-2014</b>			
10. Relationship	<b>Supports the regional travel model utilized for the MTP and</b>			
11. Agency	<b>Service Bureau at ITRE responsible for task - Triangle Trar</b>			
				Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	<u>\$0 HPR</u>
14. Section 104 (f) PL	Local	20%	\$0	
15. Section 104 (f) PL	FHWA	80%	\$0	<u>\$0 PL</u>
16. Section 5303	Local	10%	\$0	
17. Section 5303	NCDOT	10%	\$0	
18. Section 5303	FTA	80%	\$0	<u>\$0 5303</u>
19. Section 5307 (planning)	Local	10%	\$0	
20. Section 5307 (planning)	NCDOT	10%	\$0	
21. Section 5307 (planning)	FTA	80%	\$0	<u>\$0 5307</u>
22. Additional Funds	Local	100%	\$90,000	<u>\$90,000 Misc.</u>

**TRIANGLE TRANSIT  
Anticipated DBE Contracting Opportunities for FY15**

Name of MPO/Member Agency: **Durham-Chapel Hill-Carrboro MPO**

Person Completing Form: Patrick McDonough, Triangle Transit

Telephone Number 919-485-7455

Prospectus 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
III-D-3	Special Studies	Triangle Transit	Consultant	\$855,000	\$855,000
II-A-5	Transit System Data	Triangle Transit	Consultant	\$0	\$125,000

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



## MEMORANDUM

**TO:**           **Technical Coordinating Committee  
DCHC MPO**

**FROM:**       **Meg Scully  
Felix Nwoko  
DCHC MPO Lead Planning Agency**

**DATE:**       **March 26, 2014**

**SUBJECT:**   **FFY 2014 Section 5307/5340 Final Apportionment for Durham NC UZA**

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The Urbanized Area Formula Funding program (49 U.S.C. 5307) makes Federal resources available to urbanized areas and to Governors for transit capital and operating assistance in urbanized areas and for transportation related planning. An urbanized area is an incorporated area with a population of 50,000 or more that is designated as such by the U.S. Department of Commerce, Bureau of the Census.

Funding is made available to designated recipients that must be public bodies with the legal authority to receive and dispense Federal funds. Governors, responsible local officials and publicly owned operators of transit services are to designate a recipient to apply for, receive, and dispense funds for transportation management areas pursuant to 49 USC 5307(a)(2). Generally, a transportation management area (TMA) is an urbanized area with a population of 200,000 or more. The Governor or Governor's designee is the designated recipient for urbanized areas with population between 50,000 and 200,000.

For urbanized areas with 200,000 or more in population, funds are apportioned and flow directly to a Designated Recipient selected locally to apply for and receive Federal funds. Eligible activities include planning, engineering, design and evaluation of transit projects and other technical transportation-related studies; job access and reverse commute projects; capital investments in bus and bus-related activities such as replacement of buses, overhaul of buses, rebuilding of buses, crime prevention and security equipment and construction of maintenance and passenger facilities; and capital investments in new and existing fixed guideway systems including rolling stock, overhaul and rebuilding of vehicles, track, signals, communications, and computer hardware and software. All preventive maintenance and some Americans with Disabilities Act complementary para-transit service costs are considered capital costs.

The DCHC- MPO has received the final FFY2014 Apportionment and has submitted a recommended split by agency. Funding is apportioned on the basis of legislative formulas. For areas with populations of 200,000 and more, the formula is based on a combination of bus revenue vehicle miles, bus passenger miles, fixed guideway revenue vehicle miles, and fixed guideway route miles as well as population and population density.

The Federal Transit Administration (FTA) defines the role of the Designated Recipient (DR) in its regulatory policies. As the DR for the Durham UZA, DCHC-MPO is required to have all projects listed in the annual Program of Projects, oversee the sub-allocation to transit providers, and provide grant oversight as described in the approved *MPO Policy #2 DCHC-MPO Oversight Procedures for Section 5307 – Urbanized Area Formula Program*. DCHC-MPO oversight also includes projects identified as job access and reverse commute projects by transit providers.

**Member Organizations**

Town of Carrboro ▪ Town of Chapel Hill ▪ County of Chatham ▪ City of Durham ▪ Durham County ▪ Town of Hillsborough  
NC Department of Transportation ▪ Orange County

April 9, 2014

Regional Administrator  
Federal Transit Administration  
Atlanta Federal Center  
230 Peachtree Street, NW, Suite 800  
Atlanta, GA 30303-8917

Attn: Marie Lopez, Transportation Program Specialist

Subject: FFY 2014 Section 5307/5340 (Full) Apportionment for Durham NC UZA

Dear Regional Administrator:

We have been advised that the FFY 2014 full apportionment for the Durham-Chapel Hill-Carrboro Urbanized Area includes both 5307 and 5340 funds and is \$7,254,181. Distribution of the FFY 2014 Section 5307/5340 Durham UZA apportionment in the table below includes an allocation to all three transit operators within the DCHC MPO. The Transit Enhancement and Safety and Security apportionments are also calculated in the table below.

	<b>FFY2014 Full Apportionment</b>	<b>Associated Transit Improvements</b>	<b>Safety and Security</b>	<b>Operating</b>	<b>Net Available for Transit Expenditures</b>
<b>Chapel Hill</b>	\$1,964,363	\$19,644	0	0	\$1,944,719
<b>Durham Area Transit Authority</b>	\$3,987,418	\$39,874	0	0	\$3,947,544
<b>Triangle Transit</b>	\$1,302,400	\$13,024	0	0	\$1,289,639
<b>Totals</b>	\$7,254,181	\$72,542	0	0	\$7,181,639

The Durham-Chapel Hill-Carrboro (DCHC) Metropolitan Planning Organization (MPO), as the Designated Recipient for the Durham UZA, request that the Federal Transit Administration approve each operator's FFY 2014 FTA Section 5307/5340 grant application in accordance with the amounts apportioned. For FFY14, the Transit Agencies will consider Low-Income Tier activities as part of their full apportionment with MPO oversight.

Page 2 of 2  
April 9, 2014

Please copy the North Carolina Department of Transportation, Public Transportation Division with your confirmation letter stating that the approved distribution has been completed. Should you have any questions regarding this request, please contact Felix Nwoko at [Felix.Nwoko@Durhamnc.gov](mailto:Felix.Nwoko@Durhamnc.gov) or Margaret Scully at [Margaret.Scully@Durhamnc.gov](mailto:Margaret.Scully@Durhamnc.gov).

Sincerely,

Ellen Reckhow, Chair  
Transportation Advisory Committee

cc: Marie Lopez, Transportation Program Specialist - FTA  
Tom Bonfield, Durham City Manager  
Roger Stancil, Chapel Hill Town Manager  
David D. King, TTA General Manager  
Felix Nwoko, MPO Lead Planning Agency  
Harmon Crutchfield, DATA Transit Administrator  
Brian Litchfield, Chapel Hill Transit Administrator  
Tamra Shaw, NCDOT PTD

## MEMORANDUM

**TO:** Transportation Advisory Committee  
DCHC MPO

**FROM:** Meg Scully,  
DCHC MPO Lead Planning Agency

**DATE:** April 9, 2014

**SUBJECT:** FFY 2014 Section 5339 Grant Bus and Bus Facilities

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The Section 5339 Bus and Bus Facilities program (49 U.S.C. 5339/MAP-21 20029) makes Federal resources available to States, designated recipients, public agencies, and non-profits engaged in public transportation. The grant provides capital funding to replace, rehabilitate, and purchase buses/vans and construct bus-related facilities. Under the Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21) Act, the 5339 grant replaces the former Section 5309 Bus and Bus Facilities Program.

The 5339 grant allocates a total of \$65.5 million, with each state receiving \$1.25 million and each territory receiving \$500,000. The remaining funds are allocated to urbanized areas (UZAs) by a formula based upon population, vehicle revenue miles, and passenger miles. The Durham UZA was awarded \$835,735 in FFY2014. Funds are available for three years after the fiscal year it was apportioned and the Federal share is 80%. A 20% local match is required.

As a designated recipient, the DCHC-MPO, may allocate funding to fixed route bus operators. Sub-recipients may also include public agencies and non-profits that provide services open to a segment of the general public, including the elderly, disabled, or low-income.

**Member Organizations**

Town of Carrboro ▪ Town of Chapel Hill ▪ County of Chatham ▪ City of Durham ▪ Durham County ▪ Town of Hillsborough  
NC Department of Transportation ▪ Orange County

April 9, 2014

Regional Administrator  
Federal Transit Administration  
Atlanta Federal Center  
230 Peachtree Street, NW, Suite 800  
Atlanta, GA 30303-8917

Attn: Marie Lopez, Transportation Program Specialist

Subject: FFY 2014 Section 5339 (Full) Apportionment for Durham NC UZA

Dear Regional Administrator:

We have been advised that the FFY 2014 full- apportionment for the Durham-Chapel Hill-Carrboro Urbanized Area for Section 5339 funds is \$835,735. Distribution of the FFY 2014 Section 5339 Durham UZA apportionment in the table below includes an allocation to three transit operators within the DCHC MPO.

	FFY2014 Full Apportionment Section 5339
Chapel Hill Transit	\$228,045
Durham Area Transit Authority	\$460,743
Triangle Transit	\$146,947
Total	\$ 835,735

The Durham-Chapel Hill-Carrboro (DCHC) Metropolitan Planning Organization (MPO), as the Designated Recipient for the Durham UZA, requests that the Federal Transit Administration approve each operator's FFY 2014 FTA Section 5339 grant application in accordance with the amounts apportioned.

Please copy the North Carolina Department of Transportation, Public Transportation Division with your confirmation letter stating that the approved distribution has been completed. Should you have any questions regarding this request, please contact Felix Nwoko at [Felix.Nwoko@durhamnc.gov](mailto:Felix.Nwoko@durhamnc.gov) or Margaret Scully at [Margaret.Scully@durhamnc.gov](mailto:Margaret.Scully@durhamnc.gov).

Sincerely,

Ellen Reckhow, Chair  
Transportation Advisory Committee

cc: Marie Lopez, Transportation Program Specialist - FTA  
Tom Bonfield, Durham City Manager  
Roger Stancil, Chapel Hill Town Manager  
David D. King, TTA General Manager  
Felix Nwoko, MPO Lead Planning Agency  
Harmon Crutchfield, DATA Transit Administrator  
Brian Litchfield, Chapel Hill Transit Administrator  
Tamra Shaw, NCDOT PTD

## MEMORANDUM

**To:** Transportation Advisory Committee  
DCHC MPO

**From:** DCHC MPO Lead Planning Agency

**Date:** April 9, 2014

**Subject:** **FY 2013-2015 Congestion Mitigation Air Quality (CMAQ) Changes and FY 2012-2018 TIP Amendment #16**

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On September 11, 2013 the Transportation Advisory Committee approved a request by the Town of Chapel Hill to reallocate \$725,000 in Congestion Mitigation and Air Quality (CMAQ) funding and \$181,000 local match from project C-5177, Martin Luther King Jr. Boulevard/ NC86 (Homestead Road to Piney Mountain Road) shared use paths, to C-5179, North Estes Drive (Martin Luther King Jr. Boulevard/NC86 – Caswell Drive) transit, bicycle and pedestrian improvements. This change was approved by the TAC; however, a corresponding TIP amendment was not approved at the same time.

On March 12, 2014, the Transportation Advisory Committee approved the reallocation of \$176,000 (federal) STPDA funds for the design of the Estes Drive project in 2014. This was included in a TIP Amendment. However, the funding was included under U-4726 (the “umbrella” project for DCHC area Bike/Ped Improvements) – not C-5179, the CMAQ project specifically for Estes Drive.

The Town has requested that the CMAQ funding be distributed among the right-of-way and construction phases. The table below displays the requested schedule, phasing, and costs.

	Proposed TIP		
Planning, Engineering & Design	\$176,000	STPDA	2014
	\$44,000	Local	2014
Right-of-Way	\$240,000	CMAQ	2015
	\$60,000	Local	2015
Construction	\$1,630,400	CMAQ	2016
	\$407,600	Local	2016
<b>Total</b>	<b>\$1,870,400</b>	<b>CMAQ</b>	
	<b>\$176,000</b>	<b>STPDA</b>	
	<b>\$511,600</b>	<b>Local</b>	
	<b>\$2,558,000</b>	<b>Total</b>	

**Project Description**

The project will provide needed bicycle and pedestrian facilities along N. Estes Dr. The proposed improvements are located between Martin Luther King Jr. Blvd. and Caswell Drive. Presently, there is a lack of adequate bicycle and pedestrian facilities along this route. The absence of sidewalks hinders pedestrian and transit use at specific locations, causing concerns for proper access and safety. An informal walkway exists along the south side of the corridor, from MLK Jr. Blvd. to Caswell Rd., however it is not properly maintained nor ADA compliant. The corridor is also absent a dedicated bicycle lane or wide shoulders for bicycles, requiring bicyclists to share the two lane road with automobiles.

The project will construct 5 ft. wide sidewalks, 5 ft. wide bicycle lanes along .65 miles of Estes Drive from Martin Luther King Jr. Blvd to Caswell Drive. The project will also construct a 10 ft. multi use path on the north side of Estes Drive from Martin Luther King Jr. Blvd. through the Estes Dr. Elementary site to Elliot Road.

Congestion Mitigation and Air Quality program funds will be used for right of way and construction. Funding for design will be allocated by the Metropolitan Planning Organization from the Surface Transportation Planning Direct Allocation program.

**TAC Action:** Approve Amendment #16 to the FY 2012-2018 Transportation Improvement Program.

**RESOLUTION TO MODIFY THE 2012-2018 TRANSPORTATION  
IMPROVEMENT PROGRAM FOR THE DURHAM-CHAPEL HILL-CARRBORO  
METROPOLITAN PLANNING AREA**

**AMENDMENT #16  
April 9, 2014**

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

**WHEREAS**, the Metropolitan Transportation Improvement Program (MTIP) 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 Transportation Advisory Committee (TAC); 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 MTIP have been modified in accordance with certain provisions of the SAFETEA-LU Federal Transportation Act and guidance provided by the State; and

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

**WHEREAS**, the North Carolina Department of Transportation and the Transportation Advisory Committee have determined it to be in the best interest of the Urban Area to amend the FY 2012-2018 Metropolitan Transportation Improvement Program as described in the attached sheets; and

**WHEREAS**, there has been no change in the MTIP project schedule or project design concept and scope with regard to the air quality conformity finding made by the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Transportation Advisory Committee on May 8, 2013; and

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

**BE IT THEREFORE RESOLVED** that the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Transportation Advisory Committee hereby amends the FY 2012-2018 Metropolitan Transportation Improvement Program of the Durham-Chapel Hill-Carrboro Urban Area, as approved by the TAC on September 14, 2011, and as described in the “Attachments to Resolution for Amendment #16 to DCHC 2012-2018 MTIP” provided here on this, the 9th day of April, 2014.

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Ellen Reckhow, TAC Chair

Durham County, North Carolina

I certify that Ellen Reckhow personally appeared before me this day acknowledging to me that she signed the forgoing document.

Date: April 9, 2014

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Frederick Brian Rhodes, Notary Public  
My commission expires: May 10, 2015

## Attachment to Resolution for Amendment #16 to DCHC 2012-2018 MTIP

## Modifications

## Reduce Planning Funds:

Location	ID #	Description		Funding Source	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Various	U-4726	DCHC Urban Area Bicycle and Pedestrian Allocation	Planning	STPDA		977						
Durham			Planning	C		244						
Orange			Construction	STPDA		2110						
Chatham			Construction	C		528						

## Add Planning Funds, Increase Right-of-way and Construction funds and delay project:

Location	ID #	Description		Funding Source	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Chapel Hill	C-5179	SR 1750 (N. Estes Dr.) Construct a ten foot pathway, five foot sidewalks and a four foot bike lane in Chapel Hill	Planning	STPDA		176						
			Planning	C		44						
			Right-of-Way	CMAQ			240					
			Right-of-Way	C			60					
			Construction	CMAQ				1630				
			Construction	C				408				

## Add Funds Consistent with FY 2015 UPWP:

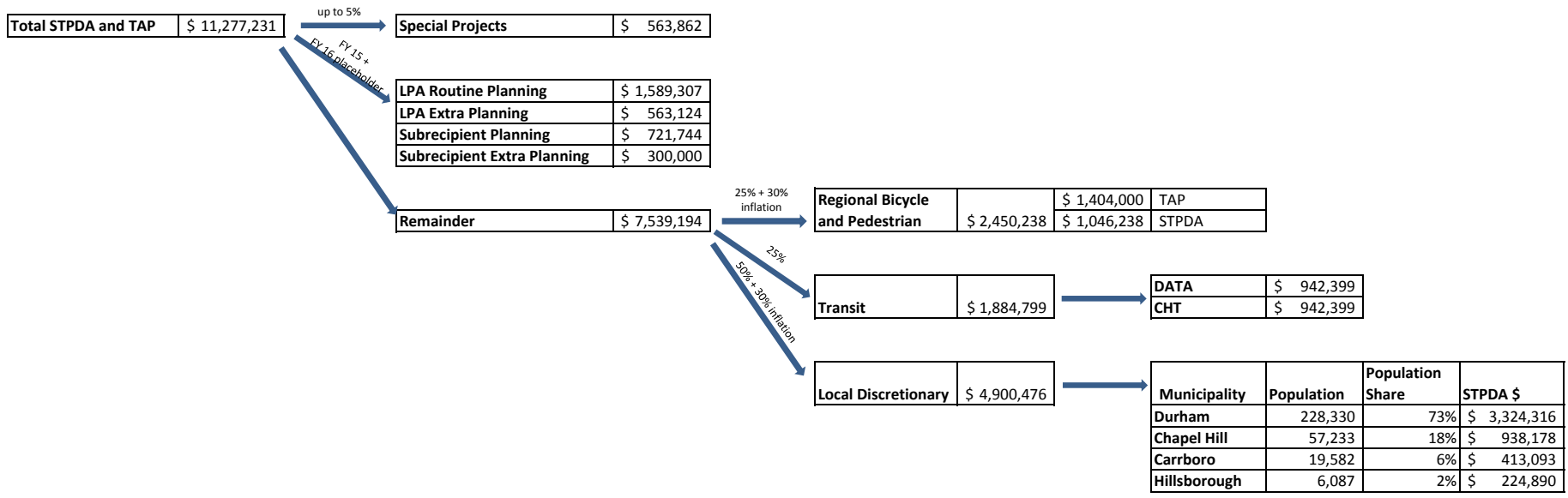
Location	ID #	Description		Funding Source	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Durham	U-4727	DCHC Urban Area Planning Allocation and Unified Work Program	Planning	STPDA	1990	720	1871					
Orange			Planning	C	498	180	468					
Chatham												

## Amendments

## Delete Project:

Location	ID #	Description		Funding Source	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Chapel Hill	C-5177	NC 86 (Martin Luther King Jr. Blvd.) Shared Pathway in Chapel Hill. Construct pathway along MLK Jr. Blvd., SR 1777 (Homestead Rd.) to Piney Mountain Rd.	Right-of-Way	STPDA		180						
			Right-of-Way	C		45						
			Construction	CMAQ		545						
			Construction	C		136						

**STPDA/TAP Distribution Policy - Approved January 8, 2014**



<b>Total STPDA Programmed</b>	<b>\$ 11,569,550</b>
<b>Total TAP Programmed</b>	<b>\$ 1,404,000</b>
<b>Total</b>	<b>\$ 12,973,550</b>

**Special Projects      \$    563,862**

Location/System	TIP #	Description	Phase	Funding Source	FY 2015	FY 2016
Hillsborough/TTA		Park and ride	Construction	STPDA	\$ 49,249	\$ -
				Local	\$ 24,764	\$ -
Rougemont/TTA		Park and ride	Planning	STPDA	\$ 12,061	\$ -
				Local	\$ 6,064	\$ -
Rougemont/TTA		Park and ride	Property Acquisition	STPDA	\$ 49,249	\$ -
				Local	\$ 24,764	\$ -
Rougemont/TTA		Park and ride	Construction	STPDA	\$ -	\$ 49,249
				Local	\$ -	\$ 24,764
TTA		Refurbished Buses	Capital	STPDA	\$ 279,289	\$ -
				Local	\$ 140,436	\$ -
TTA		Refurbished Paratransit	Capital	STPDA	\$ 24,953	\$ -
				Local	\$ 12,547	\$ -
Orange County/Orange		Light Transit Vehicle	Capital	STPDA	\$ -	\$ 49,906
				Local	\$ -	\$ 25,094
Orange County/Orange		Light Transit Vehicle	Capital	STPDA	\$ -	\$ 49,906
				Local	\$ -	\$ 25,094

67%

33%

\$ 563,862

All projects recommended for funding at a 67% federal, 33% local share.

**LPA Routine Planning                    \$                    1,589,307**

<b>Location/System</b>	<b>TIP #</b>	<b>Description</b>	<b>Funding Source</b>	<b>Phase</b>	<b>FY 2015</b>	<b>FY 2016</b>
Chatham	U-4727	DCHC Urban Area Planning Allocation and Unified Work Program	STPDA	Planning	\$ 782,910	
Durham			Local	Planning	\$ 195,728	
Orange			STPDA	Planning		\$ 806,397
			Local	Planning		\$ 201,599

LPA Extra Planning                    \$                    563,124

Location/System	TIP #	Description	Special Project	Funding Source	Phase	FY 2015	FY 2016
Chatham	U-4727	DCHC Urban Area Planning Allocation and Unified Work Program	Household Survey	STPDA	Planning	\$ 92,068	
Durham				Local	Planning	\$ 23,017	
Orange			MPO Data Collection	STPDA	Planning	\$ 161,912	\$ 100,000
				Local	Planning	\$ 40,478	\$ 25,000
			Community Viz/Freight Plan/ADA Transition Plan	STPDA	Planning	\$ 173,144	
				Local	Planning	\$ 43,286	
			Transit On-Board Survey	STPDA	Planning		\$ 36,000
				Local	Planning		\$ 9,000
			<b>Total</b>	<b>STPDA</b>	<b>Planning</b>	<b>\$ 427,124</b>	<b>\$ 136,000</b>
				<b>Local</b>	<b>Planning</b>	<b>\$ 106,781</b>	<b>\$ 34,000</b>

**Subrecipient Planning                    \$                    721,744**

Location/System	TIP #	Description	Subrecipient	Funding Source	Phase	FY 2015	FY 2016
Chatham	U-4727	DCHC Urban Area Planning Allocation and Unified Work Program	City of Durham	STPDA	Planning	\$ 70,880	\$ 70,880
Durham				Local	Planning	\$ 17,720	\$ 17,720
Orange			Town of Chapel Hill	STPDA	Planning	\$ 115,675	\$ 115,675
				Local	Planning	\$ 28,919	\$ 28,919
			Town of Carrboro	STPDA	Planning	\$ 26,954	\$ 26,954
				Local	Planning	\$ 6,739	\$ 6,739
			Durham County	STPDA	Planning	\$ 48,115	\$ 48,115
				Local	Planning	\$ 12,029	\$ 12,029
			Orange County	STPDA	Planning	\$ 44,248	\$ 44,248
				Local	Planning	\$ 11,062	\$ 11,062
			TJCOG	STPDA	Planning	\$ 55,000	\$ 55,000
				Local	Planning	\$ 13,750	\$ 13,750
			<b>Total</b>	<b>STPDA</b>	<b>Planning</b>	<b>\$ 360,872</b>	<b>\$ 360,872</b>
				<b>Local</b>	<b>Planning</b>	<b>\$ 90,218</b>	<b>\$ 90,218</b>

Subrecipient Extra Planning \$ 300,000

Location/System	TIP #	Description	Subrecipient	Funding Source	Phase	FY 2015	FY 2016
Chatham	U-4727	DCHC Urban Area Planning Allocation and Unified Work Program	City of Durham - Bike and Hike Map, Bicycle Boulevard and Bike Lane Study, Bike Share Feasibility Study	STPDA	Planning	\$ 120,000	
Durham				Local	Planning	\$ 30,000	
Orange			Town of Chapel Hill - Pedestrian Plan	STPDA	Planning	\$ 60,000	
				Local	Planning	\$ 15,000	
			Town of Carrboro - Parking Study	STPDA	Planning	\$ 120,000	
				Local	Planning	\$ 30,000	
			Durham County	STPDA	Planning	\$ -	
				Local	Planning		
			Orange County	STPDA	Planning	\$ -	
				Local	Planning		
			TJCOG	STPDA	Planning	\$ -	
				Local	Planning		
			<b>Total</b>	<b>STPDA</b>	<b>Planning</b>	<b>\$ 300,000</b>	<b>\$ -</b>
				<b>Local</b>	<b>Planning</b>	<b>\$ 75,000</b>	<b>\$ -</b>

## Regional Bicycle

and Pedestrian \$ 2,450,238

Was: \$

3,013,605

Decrease: \$ 563,367

Rank	Requested for TAP Funds By:	Location/ System	TIP #	Description	Phase	Funding Source	FY 2015	FY 2016	Notes/Funding After 2016
<b>Likely Recommended for Funding Pending Cost Estimates and Schedule Refinements</b>									
1	Carrboro	Carrboro	EL-4828	Morgan Creek Greenway - Construction of Phase 2	Construction	STPDA/TAP Local	Unsure		Phase 1 and 2 are at 90% plans. Only a few small pieces of R/W needed. Likely ready for Construction in FY 2015.
2	Chapel Hill	Chapel Hill	EB-4707A	Old Durham-Chapel Hill Road (Pope Road to US 15-501)	Right-of-Way Construction	STPDA/TAP Local STPDA/TAP Local	Unsure	Unsure	Town Council will consider which alternative (and cost estimate) at 3/17/2014 meeting.
3	Durham	Durham	C-4928	Morreene Road (Erwin Road to Neal Road)	Right-of-Way	STPDA/TAP Local		Unsure	Design funded for FY 2014. Likely ready for R/W in FY 2016.
<b>Other Projects Considered, Not Recommended</b>									
4	Chapel Hill	Chapel Hill	EB-4707A	Old Durham-Chapel Hill Road (Pope Road to US 15-501)	Planning/Design	STPDA/TAP Local	Unsure		If Project Redesign is Pursued
5	Durham	Durham	U-4724	Cornwallis Road (S. Roxboro St. to Chapel Hill Rd.)	Construction	STPDA/TAP Local	\$ 1,989,056 \$ 497,264		
6	Durham	Durham	U-4726HO	Carpenter-Fletcher Road (Woodcroft Parkway to Alston Avenue)	Right-of-Way Construction	STPDA/TAP Local	\$ 150,000 \$ 37,500	Unsure	
7	Chapel Hill	Chapel Hill	EL-4828	Morgan Creek Greenway Phase 2 - from Smith Level Rd. to Parking Lot (end of Phase I)	Design Construction	STPDA Local	\$ 250,000 \$ 62,500	\$ 2,250,000 \$ 562,500	
8	Carrboro	Carrboro	EL-4828	Morgan Creek Greenway - PE for Phase 3 & 4	Planning/Design	STP-DA Local		\$ 100,000 \$ 25,000	
9	Orange County	Orange County, Chapel Hill		Mt. Carmel Church Road: Sidewalks and bike lanes from U.S. 15-501 to Bennett Road; bike lanes from Bennett Road to Chatham County line	Planning/Design Right-of-Way Construction	STPDA/TAP Local STPDA/TAP Local		\$160,000 \$40,000	\$ 184,800 \$ 46,200 \$ 1,980,000 \$ 495,000
10	Cary	Town of Cary (in Chatham County)		O'Kelley Chapel Road (NC 751 to Wake County Line/Yates Store Rd) - sidepath between Wake County Line and American Tobacco Trail	Planning/Design Right-of-Way Construction	STPDA/TAP Local STPDA/TAP Local	\$ 93,160 \$ 23,290	\$ 293,600 \$ 73,400	\$ 840,000 \$ 210,000

Transit \$ 1,884,799

Was: \$ 2,318,157

Decrease: \$ 433,358

DATA \$ 942,399

Location/System	TIP #	Description	Phase	Funding Source	FY 2015	FY 2016	Total In Table
DATA		Purchase 3 40-foot diesel replacement buses	Capital	STPDA		\$ 1,068,000	
			Capital	Local		\$ 267,000	
DATA		Purchase 1 15-passenger ADA van	Capital	STPDA	\$ 56,682		
			Capital	Local	\$ 14,171		

\$ 1,124,682

Chapel Hill Transit \$ 942,399

Location/System	TIP #	Description	Phase	Funding Source	FY 2015	FY 2016	Total In Table
Chapel Hill Transit	TA-4726A	3 Replacement Buses	Capital	STPDA	\$ 1,068,000		
				Local	\$ 267,000		

\$ 1,068,000

**Local Discretionary**      \$ 4,900,476

Was: \$ 6,027,209

Decrease: \$ 1,126,733

**City of Durham**      \$ 3,324,316

Was: \$ 4,150,924

Decrease: \$ 826,608

Location/System	TIP #	Description	Phase	Funding Source	FY 2015	FY 2016	Total in Table
NC 751 / NC 54 Sidewalk	ER-2971E	Sidewalk on NC 751 and NC 54 between Garrett Rd and Dresden Dr	Construction	STPDA	\$ 158,000		
			Construction	Local	\$ 39,500		
Alston Ave Widening Project (NC 147 to Holloway) - Enhancements	U-3308	Enhancements and streetscape elements to Alston Ave project not covered by NCDOT.	Construction	STPDA	\$ 400,000		
			Construction	Local	\$ 100,000		
Cornwallis Rd	U-4724	Sidewalks and bicycle facilities from Chapel Hill Rd to S. Roxboro Rd	Construction	STPDA	\$ 1,989,056		
			Construction	Local	\$ 497,264		
Morreene Rd	C-4928	Sidewalks and bicycle facilities from Erwin Rd to Neal Rd	R/W	STPDA	\$ 150,000		
			R/W	Local	\$ 37,500		
			Construction	STPDA		*	
			Construction	Local		\$ -	
Hillandale Rd	U-4726HK	Sidewalks and bicycle facilities from I-85 to NC 147	R/W	STPDA	\$ 150,000		
			R/W	Local	\$ 37,500		
			Construction	STPDA		\$ 1,153,868	
			Construction	Local		\$ -	
Carpenter-Fletcher Rd	U-4726HO	Sidewalks and bicycle facilities from Woodcroft Pkwy to Alston Ave	R/W	STPDA	\$ 150,000		
			R/W	Local	\$ 37,500		
			Construction	STPDA		*	
			Construction	Local		\$ -	
							\$ 4,150,924

Note: It is likely that funds will be re-allocated among the Cornwallis, Morreene, Hillandale, and Carpenter-Fletcher projects based on detailed cost estimates that are currently being prepared.

Town of Chapel Hill \$ 938,178

Was: \$ 1,145,375

Decrease: \$ 207,197

Location/System	TIP #	Description	Phase	Funding Source	FY 2015	FY 2016	Total in Table
Variable Message Signs		Install Variable Message signs along major corridors in Chapel Hill to transmit special event information, inclement weather and other public safety messages. This function is currently served by portable message signs which are less effective and cannot be controlled by the Town's Traffic Operations Center.	Construction	STPDA	\$419,000		
			Construction	Local	\$104,750		
Booker Creek Greenway Improvements (aka Creekside Connector)		Improve existing greenway and connectivity by constructing a bike and pedestrian bridge to link two commercial areas in a redevelopment zone that are currently separated by the Lower Booker Creek.	Design	STPDA	\$100,000		\$1,057,178
			Design	Local	\$25,000		
			Construction	STPDA		\$ 538,178	
			Construction	Local		\$ 134,544	

Town of Carrboro \$ 413,093

Was: \$ 483,984

Decrease: \$ 70,891

Location/System	TIP #	Description	Phase	Funding Source	FY 2015	FY 2016	Total in Table
S. Greensboro St. – north end of Old Pittsboro Rd. to Public Works Driveway	U-4726-Dx	Construct sidewalk on the west side of the road - north end of Old Pittsboro Rd. to south end of Old Pittsboro Rd.	PE	STP-DA	\$ 84,104		\$ 479,361
				Local	\$ 21,026		
			Construction Phase 1	STP-DA		\$ 395,257	
				Local		\$ 98,814	

Town of Hillsborough \$ 224,890

Was: \$ 246,926

Decrease: \$ 22,036

Location/System	TIP #	Description	Phase	Funding Source	FY 2015	FY 2016	Total in Table
Various	U-4726	Pedestrian Improvements on US 70 from Lakeshore to Orange High, North Churton Street from Corbin to US 70, and South Churton Street from Nash/Kollock Street to Orange Grove Street	Planning	STPDA	\$ 120,000		
				Local	\$ 30,000		
Downtown Access Improvements		Construct curb relocations, remove on-street parking, ADA compliant intersection improvements	Construction	STPDA		\$ 125,000	\$ 245,000
				Local		\$ 31,250	

## MEMORANDUM

**To:** Transportation Advisory Committee (TAC)  
DCHC MPO

**From:** DCHC MPO Lead Planning Agency

**Date:** February 12, 2014

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

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This memorandum provides a summary status of tasks for projects in the FY 2013-2014 Unified Planning Work Program.

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

### ***FY 2013-2014 Unified Planning Work Program (UPWP) – Projects***

#### **Comprehensive Transportation Plan (CTP)**

- ✓ Draft CTP Vision - December 2012
- CTP Deficiency Analysis & Needs Assessment – July 2014
- Alternative Analysis – January 2015
- Draft CTP to Local Jurisdictions - April 2015
- MPO Adopt CTP – June 2015
- NCDOT BOT – September 2015
- Final CTP documentation and distribution – October 2015

#### **MPO Community Viz. Scenarios Planning and Visualization -2.0**

- ✓ Funding for local Community Viz 2.0 preparatory work – July 2013
- Geo-spatial database development for Community Viz 2.0 – April 2014
- Implementation in ArcGIS online – March - April 2014
- Field verification & Validation of data – June to August 2014
- Model/Scenario Building – FY 2015

#### **Update of the MPO Public Involvement Policy (PIP)**

- ✓ Reconcile MPO Public Involvement Policy with MAP-21 – December 2013
- Update of the MPO Public Involvement to reflect MAP-21 and new MOU – April 2014
- Public Comment period of the Draft MAP -21 compliant PIP – May 2014
- TAC adopted of the MAP-21 compliant PIP – June 2014

#### **MPO Title VI/Environmental Justice (EJ)/Limited English Proficiency (LEP) Plan**

- ✓ Desk Audit of MPO Title VI/LEP – October 2013
- ✓ Response to Title Audit – February 2014
- Implementation of the MPO Title VI and LEP – on going
- Monitoring of Title VI and LEP – On going

**SE Data Update – Employment /Housing/Population Verification**

- ✓ Setup of Employment Analyst Web tool using INFO-USA data - July/August 2013
- ✓ Complete local planner use of Employment Analyst - December 2013
- 2013 Base Year Employment Verification – March 2014
- Update of Certificate of Occupancy from 2010-2013 – March 2014
- Development of Draft 2013 Base Year Employment & Dwelling Unit by TAZ – April 2014
- ✓ Development of county guide totals for 2013 – March 2014
- Local Review/concurrence and endorsement of 2013 guide totals – May 2014
- TRM Service Bureau review of 2013 SE Data – April to June 2014
- 2013 SE Data ready for use in TRM validation/calibration – July 2014

**Base Year Data Collection (Traffic/Travel Time/Crash/Transit)**

- ✓ Fall data collection (Volume/Trucks/ Travel Time/Speed) –September to December 2013
- ✓ Fall Transit data collection - Augusta - December 2013
- Monitoring of Title VI and LEP – On going

**GIS Online (AGOL)/Data Management**

- ✓ Development of GIS online Administration - Complete
- ArcGIS Online portal –interactive GIS – March 2014
- ✓ AGOL for Employment Analyst - Complete
- AGOL for MPO Data Management and Surveillance of Change - ongoing
- AGOL for network viewing ad editing –April 2014
- AGOL integration with the DCHCMPO Website – June 2014
- Portal for public interactive mapping –On going

**MPO Congestion Management Process CMP**

- Data tabulation (ADT, Travel Time, Bike/Pedestrian, Level of Service –LOS, Crash, etc.) – March 2014
- Data Analysis –March/April 2014
- MPO Mobility Report Card
- MPO CMP State of System Report – June 2014
- Congestion monitoring – Continuously –On going

**MPO Website Update**

- ✓ Contract Negotiation - complete
- ✓ Contract Execution – February 29, 2014
- Notice to Proceed – March 14, 2014
- Website Design Kick Off – March 20, 2014
- Concept/Design/Web Engineering – April 28, 2014
- Information Architecture and Content Management Migration
- Mapping integration
- Content Editor & System Administration Training
- Quality Assurance & Technology Transfer
- Launch Stage
- Post Launch Services

## **Triangle Regional Model Update**

### **Prioritization 3.0/STI/ FY 2016-22 TIP**

- ✓ Modify and update MPO FY-2014-20 highway prioritization – complete
- ✓ Preparation and submission of transit projects – complete.
- ✓ TAC approves highway and bike/pedestrian projects to be submitted for SPOT-3 – complete
- ✓ TCC recommends to TAC rail projects to be submitted for SPOT-3 – January 22, 2014 - complete
- ✓ TAC recommends rail projects to be submitted for SPOT-3 – February 12, 2014
- LPA develops and approves local ranking methodology – April 2014
- TCC makes recommendation on local ranking methodology – March 26, 2014
- TAC approves local ranking methodology – April 9, 2014
- MPO applies local ranking methodology (points) – May 13, 2014
- TAC releases MPO assigned points for local input/public comments – May 14, 2014
- TAC holds public hearing – June 11, 2014
- LPA addresses public comments and makes draft recommendation on local points
- Approval of points – June 25, 2014
- Submission of points to NCDOT – July 31, 2014

### **MAP-21 Performance Measurement**

<b>Contract Number:</b> C202436	<b>Route:</b> US-70, SR-1322
<b>Physical Division:</b> 5	<b>County:</b> Durham
<b>Administrative Division:</b> 5	<b>TIP Number:</b> B-3638, R-5164F
<b>Length:</b> 1.233 miles	<b>Federal Aid Number:</b> BRSTP-70B(2)
<b>Resident Engineer:</b> Mark W. Luther, PE	<b>RE Phone Number:</b> (919)220-4680
<b>Location Description:</b> BRIDGE OVER CAMPUS DR AND APPROACHES ON US-70 BUS AND US-70 BUS (MAIN ST) FROM NINTH ST TO BUCHANAN ST.	
<b>Type of Work:</b> GRADING, DRAINAGE, PAVING, SIGNALS AND STRUCTURE.	
<b>Contractor Name:</b> DEVERE CONSTRUCTION COMPANY, INC	
<b>Contract Amount:</b> \$1,969,734.20	<b>Cost Overrun/Underrun:</b> -0.17%
<b>Availability Date:</b> 7/30/2012	<b>Letting Date:</b> 6/19/2012
<b>Completion Date:</b> 3/18/2014	<b>Work Began:</b> 9/17/2012
<b>Revised Completion Date:</b> 3/25/2014	<b>Estimated Completion:</b> 3/25/2014
<b>Last Estimate Thru:</b> 1/31/2014	<b>Scheduled Progress:</b> 100%
<b>Last Estimate Paid:</b> 2/10/2014	<b>Actual Progress:</b> 99.96%

<b>Contract Number:</b> C202507	<b>Route:</b> I-540
<b>Physical Division:</b> 5	<b>County:</b> Durham
<b>Administrative Division:</b> 15	<b>TIP Number:</b> R-2635, U-4763B
<b>Length:</b> 18.8 miles	<b>Federal Aid Number:</b> TIFIA-540(2)
<b>Resident Engineer:</b> George C. Gibson, PE	<b>RE Phone Number:</b> (919)836-4873
<b>Location Description:</b> NC-540 FROM NC-55 NEAR APEX TO NC-54 NEAR RTP AND NC-147 FROM I-40 TO NC-540.	
<b>Type of Work:</b> DESIGN-BUILD LANDSCAPING.	
<b>Contractor Name:</b> SOUTHERN GARDEN, INC.	
<b>Contract Amount:</b> \$4,800,000.00	<b>Cost Overrun/Underrun:</b>
<b>Availability Date:</b> 8/15/2011	<b>Letting Date:</b> 4/21/2011
<b>Completion Date:</b> 7/1/2015	<b>Work Began:</b> 8/15/2011
<b>Revised Completion Date:</b>	<b>Estimated Completion:</b>
<b>Last Estimate Thru:</b>	<b>Scheduled Progress:</b>
<b>Last Estimate Paid:</b>	<b>Actual Progress:</b>

<b>Contract Number:</b> C202875	<b>Route:</b> I-540
<b>Physical Division:</b> 5	<b>County:</b> Durham
<b>Administrative Division:</b> 5	<b>TIP Number:</b> I-5307, I-5310
<b>Length:</b> 17.133 miles	<b>Federal Aid Number:</b> IM-0540(23)
<b>Resident Engineer:</b> Michelle H. Gaddy, PE	<b>RE Phone Number:</b> (919)840-0914
<b>Location Description:</b> I-540 FROM I-40 OVERPASS TO TRIANGLE TOWN BLVD, AND TRIANGLE TOWN BLVD FROM I-540 TO NEW ASPHALT PAVEMENT JOINT.	
<b>Type of Work:</b> MILLING, RESURFACING, SHOULDER RECONST, AND STR REHAB.	
<b>Contractor Name:</b> FSC II LLC DBA FRED SMITH COMPANY	
<b>Contract Amount:</b> \$8,384,157.45	<b>Cost Overrun/Underrun:</b> -3.82%
<b>Availability Date:</b> 2/27/2012	<b>Letting Date:</b> 1/17/2012
<b>Completion Date:</b> 11/15/2012	<b>Work Began:</b> 2/27/2012
<b>Revised Completion Date:</b> 4/4/2013	<b>Estimated Completion:</b> 6/30/2013
<b>Last Estimate Thru:</b> 6/22/2013	<b>Scheduled Progress:</b> 100%
<b>Last Estimate Paid:</b> 6/27/2013	<b>Actual Progress:</b> 98.14%

<b>Contract Number:</b> C202995	<b>Route:</b> NC-56, NC-96, US-15 US-158, SR-1103, SR-1127 SR-1135, SR-1192, SR-1671 SR-1675
<b>Physical Division:</b> 5	<b>County:</b> Durham
<b>Administrative Division:</b> 5	<b>TIP Number:</b>
<b>Length:</b> 0 miles	<b>Federal Aid Number:</b>
<b>Resident Engineer:</b> Mark W. Luther, PE	<b>RE Phone Number:</b> (919)220-4680
<b>Location Description:</b> BRG# 195 SR-1675, 16 US-15, 35 US-158, 43 SR-1103, 44 NC-96, 45 NC-56, 50 SR-1127, 54 SR-1135, 57 SR-1192 & 193 SR-1671.	
<b>Type of Work:</b> BRIDGE PRESERVATION	
<b>Contractor Name:</b> NHM CONSTRUCTORS, LLC	
<b>Contract Amount:</b> \$3,034,500.45	<b>Cost Overrun/Underrun:</b> 3.47%
<b>Availability Date:</b> 10/1/2012	<b>Letting Date:</b> 4/17/2012
<b>Completion Date:</b> 7/21/2013	<b>Work Began:</b> 10/1/2012
<b>Revised Completion Date:</b>	<b>Estimated Completion:</b> 9/30/2013
<b>Last Estimate Thru:</b> 8/15/2013	<b>Scheduled Progress:</b> 98%
<b>Last Estimate Paid:</b> 8/21/2013	<b>Actual Progress:</b> 96.62%

<b>Contract Number:</b> C203128	<b>Route:</b> SR-1978
<b>Physical Division:</b> 5	<b>County:</b> Durham

<b>Administrative Division:</b> 5	<b>TIP Number:</b> U-4716, U-4716A, U-4716B U-4716C
<b>Length:</b> 4.203 miles	<b>Federal Aid Number:</b> FRA-FR-HSR-0006-10-01-00
<b>Resident Engineer:</b> Michelle H. Gaddy, PE	<b>RE Phone Number:</b> (919)840-0914
<b>Location Description:</b> CLEGG PASSING SIDING & HOPSON RD GRADE SEPARATION AND CLOSING OF AT-GRADE RR CROSSINGS.	
<b>Type of Work:</b> GRADING, DRAINAGE, PAVING, STRUCTURE & TRACKBED.	
<b>Contractor Name:</b> FSC II LLC DBA FRED SMITH COMPANY	
<b>Contract Amount:</b> \$10,900,447.15	<b>Cost Overrun/Underrun:</b> 17.97%
<b>Availability Date:</b> 12/31/2012	<b>Letting Date:</b> 11/20/2012
<b>Completion Date:</b> 12/28/2015	<b>Work Began:</b> 1/30/2013
<b>Revised Completion Date:</b>	<b>Estimated Completion:</b> 12/28/2015
<b>Last Estimate Thru:</b> 2/7/2014	<b>Scheduled Progress:</b> 85%
<b>Last Estimate Paid:</b> 2/18/2014	<b>Actual Progress:</b> 55.26%

<b>Contract Number:</b> C203273	<b>Route:</b>
<b>Physical Division:</b> 5	<b>County:</b> Durham
<b>Administrative Division:</b> 5	<b>TIP Number:</b>
<b>Length:</b> 1.189 miles	<b>Federal Aid Number:</b>
<b>Resident Engineer:</b> E. Boyd Tharrington, PE	<b>RE Phone Number:</b> (919)562-7000
<b>Location Description:</b> REPLACEMENT OF 4 BRIDGES IN DURHAM CO, 3 BRIDGES IN GRANVILLE CO AND 1 BRIDGE IN VANCE CO.	
<b>Type of Work:</b> DESIGN BUILD.	
<b>Contractor Name:</b> FSC II LLC DBA FRED SMITH COMPANY	
<b>Contract Amount:</b> \$8,800,000.00	<b>Cost Overrun/Underrun:</b> 0%
<b>Availability Date:</b> 4/29/2013	<b>Letting Date:</b> 3/19/2013
<b>Completion Date:</b> 9/30/2016	<b>Work Began:</b> 4/29/2013
<b>Revised Completion Date:</b>	<b>Estimated Completion:</b> 9/30/2016
<b>Last Estimate Thru:</b> 2/28/2014	<b>Scheduled Progress:</b> 11.99%
<b>Last Estimate Paid:</b>	<b>Actual Progress:</b> 11.99%

<b>Contract Number:</b> C203473	<b>Route:</b> US-70
<b>Physical Division:</b> 5	<b>County:</b> Durham
<b>Administrative Division:</b> 5	<b>TIP Number:</b>
<b>Length:</b> 20.44 miles	<b>Federal Aid Number:</b>
<b>Resident Engineer:</b> Mark W. Luther, PE	<b>RE Phone Number:</b> (919)220-4680
<b>Location Description:</b> 1 SECTION OF US-70, US-70 BUS, NC-98/US-70 BUS, NC-751, AND NC-55, AND 4 SECTIONS OF SECONDARY ROADS.	
<b>Type of Work:</b> MILLING, RESURFACING, AND SHOULDER RECONSTRUCTION.	
<b>Contractor Name:</b> THE LANE CONSTRUCTION CORP	
<b>Contract Amount:</b> \$4,249,573.80	<b>Cost Overrun/Underrun:</b>
<b>Availability Date:</b> 3/10/2014	<b>Letting Date:</b> 12/17/2013
<b>Completion Date:</b> 11/14/2014	<b>Work Began:</b> 2/10/2014
<b>Revised Completion Date:</b>	<b>Estimated Completion:</b>
<b>Last Estimate Thru:</b>	<b>Scheduled Progress:</b>
<b>Last Estimate Paid:</b>	<b>Actual Progress:</b>

<b>Contract Number:</b> DE00073	<b>Route:</b> I-40
<b>Physical Division:</b> 5	<b>County:</b> Durham
<b>Administrative Division:</b> 5	<b>TIP Number:</b> R-4049E
<b>Length:</b> 0 miles	<b>Federal Aid Number:</b> STP-000S(197)
<b>Resident Engineer:</b> David B. Moore	<b>RE Phone Number:</b> (919)250-4202
<b>Location Description:</b> I-40, I-440 AND US 1 IN WAKE AND DURHAM COUNTIES	
<b>Type of Work:</b> CCTV METAL POLE INSTALLATIONS	
<b>Contractor Name:</b> ALS OF NORTH CAROLINA, INC.	
<b>Contract Amount:</b> \$149,646.48	<b>Cost Overrun/Underrun:</b> 0%
<b>Availability Date:</b> 9/16/2013	<b>Letting Date:</b> 8/28/2013
<b>Completion Date:</b> 3/14/2014	<b>Work Began:</b> 9/23/2013
<b>Revised Completion Date:</b>	<b>Estimated Completion:</b> 3/14/2014
<b>Last Estimate Thru:</b> 2/28/2014	<b>Scheduled Progress:</b> 48%
<b>Last Estimate Paid:</b>	<b>Actual Progress:</b> 18.37%

**NCDOT Let List  
Division 5**

TCC 3/26/2014 Attachment 12

<u>Let (B)</u>	<u>TIP Sub No.</u>	<u>Div</u>	<u>Let Type</u>	<u>Description</u>	<u>Con Est</u>	<u>ROW Est</u>	<u>Status</u>
04/14	U-4726HL	5	NON - DOT LET (Local)	DURHAM - SIDEWALK ON BARBEE STREET BETWEEN THE EXISTING SIDEWALK AT PEARSONTOWN ELEMENTARY SCHOOL AND ORINDO DRIVE; ANDSIDEWALK IN FORMER FAYETTEVILLE STREET RIGHT OF WAY TO CONNECT THE DURHAM AREA TRANSIT AUTHORITY (DATA) ADMINISTRATIVEOFFICES WITH GEER STREET			
09/14	C-4928	5	NON - DOT LET (Congestion Mitigation)	DURHAM - MORREENE ROAD FROM NEAL ROAD TO ERWIN ROAD	\$1,990,000		
09/14	C-5178	5	NON - DOT LET (Congestion Mitigation)	DURHAM - CAMPUS WALK AVENUE, MORREENE ROAD TO LASALLE STREET AND LASALLE STREET, KANGAROO DRIVE TO ERWIN ROAD CONSTRUCTSIDEWALKS	\$336,000		
09/14	EB-4707B	5	Division Design Raleigh Let (DDRL)	DURHAM/CHAPEL HILL - SR 2220 (OLD DURHAM CHAPEL HILL ROAD) FROM SR 1113 (POPE ROAD) TO SR 1116 (GARRETT ROAD)	\$5,150,000		
09/14	U-0071	5	Raleigh Letting (LET)	DURHAM - EAST END CONNECTOR FROM NORTH OF NC 98 TO NC 147 (BUCK DEAN FREEWAY)	\$140,700,000	\$24,950,000	
09/14	U-4724	5	NON - DOT LET (Bicycle and Pedestrian)	DURHAM - CORNWALLIS RD FROM SOUTH ROXBORO RD TO UNIVERSITY DR	\$2,156,000		
01/15	EB-5514	5	NON - DOT LET (Bicycle and Pedestrian)	NC 751 /SR 1183-2220/ NON-SYSTEM (UNIVERSITY DRIVE) FROM SR1116 (GARRETT ROAD) TO SR 1158 (CORNWALLIS ROAD)	\$1,025,000		
09/15	C-5182	5	NON - DOT LET (Congestion Mitigation)	DURHAM - HOPE VALLEY ROAD CONSTRUCT SIDEWALKS AND BIKE LANES BETWEEN MARTIN LUTHER KING, JR. BOULEVARD PARKWAY AND US 15-501 BUSINESS	\$1,252,000	\$134,000	
09/15	C-5183A	5	NON - DOT LET (Congestion Mitigation)	DURHAM - CONSTRUCT SIDEWALKS	\$972,000		
09/15	C-5183B	5	NON - DOT LET (Congestion Mitigation)	DURHAM - CONSTRUCT SIDEWALKS	\$1,254,000		
08/14	Small Constr.	5	Division POC Let (DPOC)	Barbee Rd at Herndon Rd - RBT	\$630,000	\$150,000	R/W 90%, Utility Agrmt. needed
10/14	SS-4905BI	5	Division POC Let (DPOC)	SR 1004 (Old Oxford Road) at SR 1648 (Danube Lane)	\$375,000	\$44,000	R/W 10%, Utility Eng. 25%
11/14	SS-4905BM	5	Division POC Let (DPOC)	Carver St. (SR 1407) at Broad St./Kenan Rd. - Mini-Roundabout	\$320,000	\$33,000	PE - 40%, CIW in spring
07/14	EB-4411D	5	Division POC Let (DPOC)	Paved Shoulders on Barbee Chapel Rd, Farrington Rd, & Stagecoach Rd w/ left-turn lane at Farrington Mill Rd.	\$1,400,000	\$30,000	PE - 50%, no r/w needed
	SS 4906BP 43696.1.1 43696.3.1	5	Division annual needs contract	Upgrade SR 1327 (Gregson St) at Club Blvd replace existing ped heads, add flashing yellow arrows, remove concrete island in NW quadrant, cut back islands on north and west legs	\$36,000	N/A	Signal work is 90% complete. Waiting for spring to complete concrete work
	SS 4905BR 43781.1.1 43781.3.1	5	Division annual needs contract	Upgrade NC 55 (Alston Ave) at NC 147 NB Off Ramp/Gann St with flashing yellow arrows for NBLT onto Gann St and SBLT from NC 55 onto NC 147 SB on ramp	\$13,600	N/A	100% Complete waiting for final inspection

NCDOT Let List  
**Division 5**

<u>Let (B)</u>	<u>TIP Sub No.</u>	<u>Div</u>	<u>Let Type</u>	<u>Description</u>	<u>Con Est</u>	<u>ROW Est</u>	<u>Status</u>
	SS 4905BT 43783.1.1 43783.3.1	5	Division annual needs contract	Upgrade traffic signal to flashing yellow arrow on EB Club Blvd and Duke St. Install pedestrian accommodations on all legs of the intersection	\$36,000	N/A	Signal work complete Will turn on ped signals when ped cross walk thru island is complete
	Developer 36249.3312	5	Developer	Signal upgrade/modifications as part of BCBS TIA requirements	\$5,000 review cost	N/A	Plans not yet reviewed

**NCDOT DIV 7 ACTIVE PROJECTS LOCATED IN DCHCMPO**

TCC 3/26/2014 Attachment 12

TIP/WBS #	Description	Let Date	Completion Date	Contractor	Status	Cost	Comments
ER-2971G 3607.3.09	Widen roadway, install curb and gutter and construct sidewalk along SR 1750 (Estes Drive) between Burlage Circle and SR 1010 (Franklin Street) in <b>Chapel Hill</b> .	5/2/13	8/15/13		100% Complete Final review complete	\$200,000	Small Construction/ Division Enhancement; MA w/TOCH, LGA
I-5312	Mill & Resurface I-85 from east of I-40 to the Durham County Line.	10/15/2013	9/1/2014	Carolina Sunrock	Begin construction Spring 2014	\$4,300,000	TIP
U-0624 C203175 34762.3.4	Widening , Grading, Drainage, Paving & Signals on NC 86 (S. Columbia St.) From SR -1906 (Purefoy Rd) to SR 1902 (Manning Dr) in <b>Chapel Hill</b> .	10/16/2012	12/28/2014	Triangle Grading and Paving	74%Complete 59% Schedule	\$4,565,147	TIP
U-2803 C203028 34860.3.1	Widening of SR 1919 (Smith Level Road) from Rock Haven Road to Bridge # 88 over Morgan Creek in <b>Carrboro</b> .	12/18/2012	5/14/2015	Yates Construction	36% Complete 58% Schedule	\$4,946,197	TIP
U-3306 C202266 34913.3.ST1	Grading, Drainage, Paving, Signals, Curb, and Gutter and Retaining Walls on SR 1733 (Weaver Dairy Road) From NC 86 to Old Sterling Road in <b>Chapel Hill</b> .	7/20/2010	Anticipated 5/15/14 due to extra work, Partial acceptance pending.	Yates Construction	100% Complete 100% Schedule	\$9,584,886	ARRA / TIP
W-5318 C203193	Geometric Improvement, Paved Shoulders, Resurfacing and Rumble Strips on NC 86 from NC 57 to Caswell Co. line.	2/19/2013	12/15//13	Carolina Sunrock	100% Complete 100% Schedule. Pending RTE inspection.	\$4,750,000	High Hazard Safety
W-5207E 45337.3.FD5	Installation of a roundabout on SR 1734 (Erwin Rd.) and SR 1791 (Mt. Moriah Rd.) near <b>Chapel Hill</b>	10/17/2013	2/5/2015	Triangle Grading & Paving	Contract awarded. Construction Spring 2014.	\$640,000	High Hazard Safety
EB-4411E 36333.3.FD5	Install 2 ft. paved shoulders (including resurfacing) along both sides of NC 86 between Whitfield Rd. and US 70 Business in Orange County	2/20/2014	TBD		Construction Spring 2014	\$500,000	Bike/Ped enhancement

**NCDOT DIV 7 FUTURE PROJECTS LOCATED IN DCHCMPO**

TIP/WBS #	Description	Let Date	Completion Date	Contractor	Status	Cost	Comments
ER-2971G 3607.3.13	Construct sidewalks on SR 1900 (Mason Farm Road) from US 15/501 (Fordham Blvd.) to Highland Woods Road in <b>Chapel Hill</b> .	TBD	Spring 2014		Town acquiring R/W - Easement from UNC	\$30,000	Division Enhancement; MA w/TOCH, LGA

W-5207E 45337.3.FD5	Installation of a roundabout on SR 1734 (Erwin Rd.) and SR 1791 (Mt. Moriah Rd.) near <b>Chapel Hill</b>	10/17/2013	2/5/2015	Triangle Grading & Paving	Contract awarded. Construction Spring 2014.	TCC 3/26/2014 Attachment 12 \$640,000	High Hazard Safety
EB-4411E 36333.3.FD5	Install 2 ft. paved shoulders (including resurfacing) along both sides of NC 86 between Whitfield Rd. and US 70 Business in Orange County	2/20/2014	TBD		Construction Spring 2014	\$500,000	Bike/Ped enhancement
W-5207I 45337.1.9	Funds for preliminary engineering on SR 1005 (Jones Ferry Road) and Davie Street) in <b>Carrboro</b>	Spring 2014	TBD		Meet with city/utilities and others 11/8/13. Sidewalk issue at Kangaroo still pending.	\$50,000	High Hazard Safety
SS-4907AZ 43987.1.FR1	NC 86 (Churton Street) at SR 1150/SR 1002 (King Street), and NC 86 (Churton Street) at Margaret Street. Initial construction funds are needed for traffic signal and curb ramp revisions.	TBD	TBD		Plans are being review by District, Coordinate with Town's complete street project	\$37,600	Spot Safety- State
SS -4907V 42423.3 42423.1	Realign intersection of SR 1005 (Old Greensboro Rd.) @ SR 1951 (White Cross Rd.)	6/15/2014	TBD		Alternate Design in progress	\$198,000	Spot Safety- State

## DIV 7 LOCAL GOVERNMENT ADMINISTERED PROJECTS IN DCHCMPO

TIP/WBS #	Description	Let/Start Date	Completion Date	Status	Cost	Comments
C-5184 46234.3.1	Riverwalk Trail Phase III - Construct a paved off-road trail along Eno River connecting River Park, Gold Park and the Occoneechee Mountain State Natural Area and construct sidewalk to provide pedestrian and bicycle connections to the Greenway in <b>Hillsborough</b>	3/1/14	TBD	Design in progress, R/W authorization pending	\$610,000	CMAQ
EB-4707A (Orange) EB-4707B (Durham)	Bicycle improvements(Bikeway and signals) on Durham/ Chapel Hill (SR 1838/SR 2220)from SR 1116 (Garrett Road) in Durham County to US 15-501 in Orange County	9/30/2014 (D5DRL)	TBD	Design in progress, R/W -1/1/14	\$4,900,000	Enhancement - Bike and Ped.
EL-4828 / 40245.1.1 40245.3.1	Design & construction of multi-use pedestrian /bicycle path along Morgan Creek from Smith Level Road to the Weatherhill Pointe neighborhood & construct a multi-use pedestrian /bicycle path along Morgan Creek from Smith Level road west to the Berryhill Neighborhood in <b>Carrboro</b>	6/31/14	TBD	Design in progress	\$480,000	STP-DA; MA w/TOC
SR-5000S 40922.1.18	Education, encouragement, evaluation, and neighborhood outreach for Carrboro Elementary School			Program underway	\$12,865	Safe Routes to Schools; MA w/TOC
SR-5001AR	Construct 320' of 5' sidewalk on Culbreth Road between Cobbleridge Rd. in Chapel Hill and Rossburn Rd. in <b>Chapel Hill</b>	4/12/12	9/30/13	Construction complete; Final closeout pending	\$50,000 SRTS/\$108,000 STPDA	SRTS/STP-DA; MA w/TOCH
U-4726DC 36268.3.4	Wilson Park Multi-Use Path in <b>Carrboro</b>	6/7/12	11/26/12	Construction complete; Final review complete, closeout pending	\$129,431	STP-DA; MA w/TOC
U-4726DD	Construct sidewalk on Rogers Road from Homestead Road to Meadow Run Ct. in <b>Carrboro</b>	10/31/13	4/30/14	Plans under review	\$428,960	STP-DA; MA w/TOC
U-4726DE (replaces EL- 4994)	Construct Bolin Creek Multi-use Path from Homestead Road to Chapel Hill High School in <b>Carrboro</b>	TBD	TBD	Design underway	\$590,000	STP-DA; MA w/TOC
U-4726DF	Bicycle detection at Signalized Intersections in <b>Carrboro</b>	3/31/14	TBD	Design underway	\$36,000	STP-DA; MA w/TOC
U-4726IF	Design and install stairs from the sidewalk on the north side of Franklin St. to the Bolin Creek Trail in <b>Chapel Hill</b>	TBD	TBD	Supplemental agreement to remove construction; Town to pay for construction	\$20,000 PE	STP-DA; MA w/TOCH
U-4726IG	Morgan Creek Trail Phase 2 - Construct 10' wide greenway from existing Fan Branch Trail near Culbreth Rd. and US 15/501 to Phase 1 in <b>Chapel Hill</b>	9/12/12	11/1/2013, Anticipated 3/31/14	75% Complete	\$1,310,000 / additional funds \$1,000,000 8/12	STP-DA; MA w/TOCH

**DIV 7 LOCAL GOVERNMENT ADMINISTERED PROJECTS IN DCHCMPO**

TIP/WBS #	Description	Let/Start Date	Completion Date	Status	Cost	Comments

**ACTIVE NCDOT DIVISION 8 PROJECTS IN DCHCMPO**

TCC 3/26/2014 Attachment 12

Map #	TIP/WBS #	Description	Let Date	Completion Date	Status	Cost	Contractor	Comments
	W-5208G/ 4 5338.3.7	SR-1717 (Jack Bennett Rd), Chatham Co. Realign horizontal curve	April 2014	TBD	Agreement has been executed and ROW has been secured. Design plans underway.	\$803K		After ROW is acquired, the process of moving utilities will begin.
	C-5176	American Tobacco Trail (Chatham Co.) - New Hope Church Road Trail Head Park & Ride Lot. Accomodations for 100 spaces including parking for Horse Trailers, Restroom facilities, picnic area and public art.	Jan 2014	6/30/2015	Town of Cary has completed plans and submitted to NCDOT	\$1.2M		Anticipated plan approval from NCDOT - Jan 2014 then bidding the project for construction will begin.

## ACTIVE NCDOT DIVISION 8 PROJECTS IN DCHCMPO

Map#	TIP/WBS #	Description	Let Date	Completion Date	Status	Cost	Comments
<b>SURFACE TREATMENT</b>							
<b>RESURFACING</b>							

## NCDOT DIVISION 8 PROJECTS UNDER DEVELOPMENT IN DCHCMPO

Map#	TIP/WBS #	Description	Let Date	Completion Date	Status	Cost	Comments
<b>RESURFACING</b>							
		SR 1816 Edwards Ridge Road from end of State maintenance to SR 1008 Mt. Carmel Church Road (0.64 mi).	Spring 2014	TBD		\$73,000	
		SR 1727 Whippoorwill Lane from SR 1008 Mt. Caramel Road to SR 1726 Old Farrington Road (0.73 mi).	Spring 2014	TBD		\$104,400	
		SR 1812 Weathersfield Road from US 15-501 to SR 1813 E. Camden Drive (0.60 mi).	Summer 2014	TBD		Not Available	
		SR 1531 Booth Road from SR 1666 Amber Wood Run to the Orange County Line (0.36 mi).	Summer 2014	TBD		Not Available	
		SR 1724 Old Lystra Road from US 15-501 to the Orange Co Line (1.83 mi).	Summer 2014	TBD		Not Available	<i>Widen to 24'</i>
		SR 1008 Farrington Road from SR 1717 Lystra Road to SR 1725 Hinton Road (1.78 mi).	Summer 2014	TBD		Not Available	
		SR 1008 Farrington Road from SR 1725 Hinton Road to the Orange Co Line (1.38 mi).	Summer 2014	TBD		Not Available	



**Association of Metropolitan Planning Organizations  
Policy and Technical Committees Agenda  
March 27 and 28  
444 N Capitol St., NW  
Room 383/385  
Washington, DC**

*The meeting will begin on March 27 at 12 pm and end at 5 pm. On March 28, the meeting will begin at 9 am and end at 12 pm.*

Presiding:

\*Jane Hayse, Vice Chair, Policy Committee

\*Chris Evilia, Chair, Technical Committee

1. Welcome and Introduction
  - a. Introductions, interests, current projects
2. Capitol Hill Update
3. MAP-21 Implementation
  - a. General status and overview on ANPRM, NPRMs and guidance
4. Reauthorization Discussion
  - a. Organizational
  - b. Finance and Funding
  - c. Freight
5. Other Business

Hill and Administration staff will join us at various times during the meeting.

\*The board will appoint chairs this week during its meeting.

**March 10, 2014**

**AMPO Policy Effort**

**MAP-21**

AMPO continues its role as the lead association in matters related to metropolitan planning and related issues. AMPO staff coordinates with other transportation associations and coalitions to advance laws and regulations benefiting MPOs. Government decision makers and interest groups value AMPO's input on policy matters. The organization's relationships with USDOT and Congressional committees remain strong.

AMPO has drafted a preliminary MAP-21 reauthorization policy recommendation list. AMPO briefed House T&I Committee staff and is planning to brief the Senate EPW staff March 14. The reauthorization policy recommendations are based on feedback from the AMPO working groups and other members. In general, AMPO requests that Congress address the health and stability of the HTF, provide at least current level funding in the next bill, pass a 4-6 year bill, increase PL funding if overall funding increases, empower MPOs with additional project selection authority (or a metropolitan mobility program), address freight networks in urban areas (first and last mile and empower MPOs to designate critical urban routes under the PFN), and address the freight infrastructure needs of small border communities.

**MAP-21 Implementation**

AMPO continues to meet regularly with USDOT and other stakeholders as the Department drafts and prepares to release rule making documents for the implementation of MAP-21. Several rules have been noticed in the federal register and AMPO has submitted comments on those rules as necessary. AMPO comments can be found at <http://www.ampo.org/policy/policy-resources/ampo-policy-documents/>. All USDOT guidance and related MAP-21 implementation documents can be found at <http://www.fhwa.dot.gov/map21/> and <http://www.fta.dot.gov/map21.html>.

**Last updated March 10. It is possible release dates will be delayed again.**

<b>Rule</b>	<b>Expected</b>
Highway Safety Program Grants	COMPLETE
FTA ANPRM* (Rule 60)	COMPLETE
CMAQ Program Interim Guidance	COMPLETE
Safety Performance Measure (Rule 26)	7-Mar-14
Highway Safety Improvement Program (Rule 32)*	11-Mar-14
<i>*60 day comment period.</i>	

FHWA/FTA Metropolitan and Statewide Planning (Rule 28 and 62)	4-Apr-14
CMAQ Weighting Factors (Rule 34)	25-Apr-14
Pavement/Bridge Performance Measure (Rule 29)	27-May-14
Asset Management Plan (Rule 33)* <i>*60 day comment period.</i>	27-May-14
System Performance Measure (Rule 30)	1-Jul-14

### Reauthorization Outlook

House T&I, Senate EPW, and Senate Banking are regularly scheduling MAP-21 reauthorization hearings and roundtable discussions. AMPO testified at a roundtable meeting on March 13<sup>th</sup>. Chairman Boxer plans to mark-up a bill in April and Chairman Shuster plans to do the same shortly after. However, without a solution to the impending (August 2014) cash shortfall in the HTF, Congress cannot pass a reauthorization bill at current levels. Without new transfers from the general fund or a new stream of revenue, the HTF will experience a \$15 billion shortfall in August. Congress must act in July before the month long August recess. Failure to act will result in no new obligations in FY15.

### President Announces a Four-Year Surface Transportation Reauthorization & 2015 USDOT Budget

The President recently released his four-year surface transportation reauthorization proposal. It is unclear if USDOT will be submitting a legislative proposal to Congress. During the drafting of what became MAP-21, sections of an unofficial USDOT draft legislative document was circulated on the Hill and amongst transportation industry groups.

According to the USDOT Budget Highlights (see below link), the President will include as part of his FY15 budget submission to Congress a four year, \$302 billion transportation reauthorization proposal. It would provide an \$87 billion increase over the current spending levels.

### New Programs in the President's Reauthorization Proposal

Program	Proposed 2015
New Freight Program	\$1 billion
New Critical Immediate Investments Program (Similar to previous fix-it-first proposals)	\$4.9 billion
New FAST (Fixing and Accelerating Surface Transportation) Program – Competitive Grants	\$500 million
Bus Rapid Transit Discretionary Grant Program	\$500 million

With some exceptions, most of the program funding levels under the President's reauthorization outline grow slightly over the four-year period. The Freight Program

grows \$1 billion each year, FAST and TIFIA remain flat, but Immediate Investments declines to \$1.850 billion in 2018.

### 2015 USDOT Budget

Agency	2014 Enacted (Total)	2015 Proposal (Total)
FTA	\$10.841 billion	\$17.650 billion
FHWA	\$40.942 billion	\$48.562 billion
NHTSA	\$819 million	\$851 million
FRA	\$1.633 billion	\$5.020 billion

USDOT FY15 Budget Highlights -

<http://www.dot.gov/sites/dot.gov/files/docs/BudgetHighlightsFY2015.pdf>

### 2015 TIGER Announcement

The President announced the availability of \$600 million in TIGER funds, with applications due April 28. The notice can be found here: <http://www.dot.gov/briefing-room/president-obama-dot-secretary-foxx-announce-600-million-sixth-round-tiger-funding>

Our policy committee will meet March 27 and 28, 2014, with an agenda focused on rulemaking and reauthorization.

**North Carolina  
Department of Transportation**

**Powell Bill Lane Mileage Study**

**House Bill 817**



March 1, 2014

Section 3.5 of Session Law 2013-183 requires the North Carolina Department of Transportation to report on at least three options to shift the distribution formula to include lane mile data. The report shall include advantages and disadvantages, fiscal impacts to each municipality and any other technical considerations in making such a change.

The current Powell Bill allocation is distributed as follows. Seventy-five percent (75%) of the funds are distributed among the municipalities in the percentage proportion that the population of each eligible municipality bears to the total population of all eligible municipalities. Twenty-five percent (25%) of the funds are distributed among the municipalities in the percentage proportion that the mileage of public streets in each eligible municipality which does not form a part of the State highway system bears to the total mileage of the public streets in all eligible municipalities which do not constitute a part of the State highway system.

This study includes the mileage distribution using lane mile data instead of road mile data. Lane miles are defined as the number of lanes times the highway length.

Three allocation options are presented in this study.

- (1) Allocation using current road mileage data vs. allocation using lane mileage data with the distribution based upon the current method of 25% mileage and 75% population.
- (2) Allocation using current road mileage data vs. allocation using lane mileage data with the distribution based upon a proposed method of 50% mileage and 50% population.
- (3) Allocation using current road mileage data vs. allocation using lane mileage data with the distribution based upon a proposed method of 75% mileage and 25% population.

The attached spreadsheet displays the results of the three allocation options for each of the five hundred seven (507) municipalities currently participating in the Powell Bill Program. The below table condenses the results into eight (8) population categories.

- Population under 1,000 (195 municipalities, receiving 2.35% of the 2013 allocation)
- Population 1,000 – 2,499 (107 municipalities, receiving 3.88% of the 2013 allocation)
- Population 2,500 – 4,999 (82 municipalities, receiving 6.32% of the 2013 allocation)
- Population 5,000 – 9,999 (41 municipalities, receiving 6.08% of the 2013 allocation)
- Population 10,000 – 24,999 (46 municipalities, receiving 14.12% of the 2013 allocation)
- Population 25,000 – 49,999 (18 municipalities, receiving 11.21% of the 2013 allocation)
- Population 50,000 – 99,999 (9 municipalities, receiving 11.41% of the 2013 allocation)
- Population over 100,000 (9 municipalities, receiving 44.63% of the 2013 allocation)

Population is based upon the July 1, 2013 estimate certified by the State Budget Officer. Road mileage is based upon the June 30, 2013 amount certified by a registered engineer or surveyor of each municipality. Lane mileage is based upon the June 30, 2013 amount reported by each municipality as of December 1, 2013.

	<b>OPTION #1 Current Distribution 25% Mileage, 75% Population</b>			<b>OPTION #2 Proposed Distribution 50% Mileage, 50% Population</b>		<b>OPTION #3 Proposed Distribution 75% Mileage, 25% Population</b>	
<b>Municipality Population Range</b>	<b>Allocation Based on Road Mileage (Current Method)</b>	<b>Allocation Based on Lane Mileage</b>	<b>Percent Change from Current Method</b>	<b>Allocation Based on Lane Mileage</b>	<b>Percent Change from Current Method</b>	<b>Allocation Based on Lane Mileage</b>	<b>Percent Change from Current Method</b>
Under 1,000	\$3,427,952.15	\$3,354,082.91	-2.15%	\$4,177,068.28	21.85%	\$5,000,053.79	45.86%
1,000 – 2,499	\$5,642,681.29	\$5,574,244.35	-1.21%	\$6,342,947.95	12.41%	\$7,111,651.43	26.03%
2,500 – 4,999	\$9,198,909.53	\$9,118,119.96	-0.88%	\$9,945,466.51	8.12%	\$10,772,812.99	17.11%
5,000 – 9,999	\$8,852,275.60	\$8,736,944.43	-1.30%	\$9,357,444.46	5.71%	\$9,977,944.47	12.72%
10,000 – 24,999	\$20,553,431.61	\$20,370,004.63	-0.89%	\$20,906,979.20	1.72%	\$21,443,953.88	4.33%
25,000 – 49,999	\$16,327,789.69	\$16,402,460.16	0.46%	\$16,454,730.64	0.78%	\$16,507,001.14	1.10%
50,000 – 99,999	\$16,616,681.30	\$16,646,603.71	0.18%	\$16,242,677.10	-2.25%	\$15,838,750.56	-4.68%
Over 100,000	\$64,990,384.21	\$65,407,645.23	0.64%	\$62,182,791.19	-4.32%	\$58,957,937.15	-9.28%

### Analysis of Data

OPTION #1: Basing the allocation on 25% *lane* mileage and 75% population, municipalities with population of 50,000 and over when grouped together receive a small increase in funds (0.55% increase) and municipalities with population under 50,000 when grouped together receive a small decrease in funds (0.70% decrease).

OPTION #2: Basing the allocation on 50% *lane* mileage and 50% population, municipalities with population of 50,000 and over when grouped together receive an overall 3.90% decrease in funds when compared with the current distribution method. Municipalities with population under 50,000 when grouped together receive an overall 4.97% increase in funds when compared with the current distribution method. The smallest populated municipalities generally receive the largest percentage increase in funds.

OPTION #3: Basing the allocation on 75% *lane* mileage and 25% population, municipalities with population of 50,000 and over when grouped together receive an overall 8.35% decrease in funds when compared with the current distribution method. Municipalities with population under 50,000 when grouped together receive an overall 10.64% increase in funds when compared with the current distribution method. The smallest populated municipalities generally receive the largest percentage increase in funds.

Generally, the smaller municipalities receive a greater percentage of the funds as the allocation formula moves toward a higher percentage of mileage. Generally, the larger municipalities receive a greater percentage of the funds as the allocation formula moves toward a higher percentage of population. Shifting the distribution formula to lane miles instead of road miles has

a very insignificant impact on the distribution of funds. However, the larger municipalities do receive a very small increase in funds when calculating the allocation based on lane miles.

Any change in the distribution formula could be quickly programmed in the Powell Bill computer module.

Mileage Report for Fiscal Year 2012-13 Powell Bill				25% Mileage, 75% Population			50% Mileage, 50% Population		75% Mileage, 25% Population	
Municipality	Division	County	2013 Population	Total Allocation Using Road Mileage Data (Current Method)	Total Allocation Using Lane Mileage Data	Percent Change from Current Method	Total Allocation Using Lane Mileage Data	Percent Change from Current Method	Total Allocation Using Lane Mileage Data	Percent Change from Current Method
<b>TOTAL POPULATION UNDER 1,000</b>				\$ 3,427,952.15	\$ 3,354,082.91	-2.15%	\$ 4,177,068.28	21.85%	\$ 5,000,053.79	45.86%
(195 municipalities)				2.35%						
<b>TOTAL POPULATION 1,000 - 2,499</b>				\$ 5,642,681.29	\$ 5,574,244.35	-1.21%	\$ 6,342,947.95	12.41%	\$ 7,111,651.43	26.03%
(107 municipalities)				3.88%						
<b>TOTAL POPULATION 2,500 - 4,999</b>				\$ 9,198,909.53	\$ 9,118,119.96	-0.88%	\$ 9,945,466.51	8.12%	\$ 10,772,812.99	17.11%
(82 municipalities)				6.32%						
HILLSBOROUGH	7	ORANGE	6,295	\$ 182,284.15	\$ 180,207.16	-1.14%	\$ 187,322.68	2.76%	\$ 194,438.19	6.67%
<b>TOTAL POPULATION 5,000 - 9,999</b>				\$ 8,852,275.60	\$ 8,736,944.43	-1.30%	\$ 9,357,444.46	5.71%	\$ 9,977,944.47	12.72%
(41 municipalities)				6.08%						
CARRBORO	7	ORANGE	20,159	\$ 487,936.59	\$ 485,078.06	-0.59%	\$ 415,850.41	-14.77%	\$ 346,622.77	-28.96%
<b>TOTAL POPULATION 10,000 - 24,999</b>				\$ 20,553,431.61	\$ 20,370,004.63	-0.89%	\$ 20,906,979.20	1.72%	\$ 21,443,953.88	4.33%
(46 municipalities)				14.12%						
<b>TOTAL POPULATION 25,000 - 49,999</b>				\$ 16,327,789.69	\$ 16,402,460.16	0.46%	\$ 16,454,730.64	0.78%	\$ 16,507,001.14	1.10%
(18 municipalities)				11.21%						
CHAPEL HILL	5/7	ORANGE/DURHAM	59,271	\$ 1,491,339.11	\$ 1,478,109.32	-0.89%	\$ 1,326,462.52	-11.06%	\$ 1,174,815.74	-21.22%
<b>TOTAL POPULATION 50,000 - 99,999</b>				\$ 16,616,681.30	\$ 16,646,603.71	0.18%	\$ 16,242,677.10	-2.25%	\$ 15,838,750.56	-4.68%
(9 municipalities)				11.41%						
DURHAM	5	DURHAM	236,566	\$ 6,051,342.28	\$ 6,048,607.34	-0.05%	\$ 5,592,433.56	-7.58%	\$ 5,136,259.77	-15.12%
<b>TOTAL POPULATION OVER 100,000</b>				\$ 64,990,384.21	\$ 65,407,645.23	0.64%	\$ 62,182,791.19	-4.32%	\$ 58,957,937.15	-9.28%
(9 municipalities)				44.63%						
				\$ 145,610,105.66	\$ 145,610,105.38		\$ 145,610,105.33		\$ 145,610,105.41	

Population: 75% \$ 109,207,579.01  
Mileage: 25% \$ 36,402,526.34  
**2013 TOTAL ALLOCATION \$ 145,610,105.35**