

Member Governments

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

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

AGENDA

**April 27, 2011
9:00 a.m.**

**City Council Committee Room
2nd floor Durham City Hall**

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

ACTION ITEMS

**4. Approval of March 23, 2011 TCC Meeting Minutes
(Attachment 4)**

A copy of the March 23, 2011 minutes is enclosed as Attachment 4.

TCC Action: Approve minutes of the March 23, 2011 TCC meeting.

**5. Triangle Regional Transit Program
(No attachments)
Patrick McDonough, Triangle Transit
Andy Henry, LPA Staff**

Triangle Transit updated the TAC on the Alternatives Analysis, and discussed the process and schedule for TAC approval of the financial plan and Locally Preferred Alternative (LPA) at the April TAC meeting. The TAC requested that the TCC provide a suggested schedule for MPO approval of the financial plan and LPA. In doing so, the TCC is asked to consider several discussion points from the April TAC meeting, including:

- Present the financial plan and LPA to the Durham and Orange BOCCs at least one meeting prior to the meeting in which a vote is requested.
- TAC approve the financial plan before July 1, 2011 to permit the Durham County Board of County Commissioners (BOCC) ample time to subsequently approve the plan and vote for a referendum.
- An Orange BOCC vote in July will likely be too late to vote for a referendum.
- The financial plan and LPA can be approved at separate meetings. The LPA must be approved by August to permit Triangle Transit to meet the New Start submittal deadline (8/31/11) for the current federal fiscal year.

- Coordinate the schedule with other groups that have an interest in regional transit such as the 4-3-2-1 group.
- Triangle Transit will ask the MPO to decisions on the alignment and station alternatives in the Alternatives Analysis.

At this point, Triangle Transit appears to have adequate cost and service information for light rail transit, commuter rail, bus rapid transit and bus transit. However, work continues to progress on the ridership, revenue and financial information that is needed to make a decision on the financial plan and LPA. Some of this information is contingent on local decisions such as the cost sharing arrangement for light rail transit between Durham County and Orange County.

The public workshop materials are available at the Triangle Regional Transit Program (TRTP) Web site, www.ourtransitfuture.com.

TCC Action: Recommend a review and approval schedule for the Financial Plan and Locally Preferred Alternative to the TAC.

6. FY 2011-2012 Unified Planning Work Program

(Attachment 6, 6A, 6B)

Maricia Brown, 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. Tasks are identified by an alphanumeric task code and description.

Action	Date
TCC receives draft 2011-2012 UPWP	1/26/11
TAC receives draft 2011-2012 UPWP	2/09/11
TAC receives draft 2011-2012 UPWP and releases for public comments	3/09/11
TAC holds hearing for public comments	4/13/11
TAC approves final 2011-2012 UPWP	5/11/11

Attachment 6 is a memo regarding the draft FY12 UPWP. Attachment 6A is the draft FY12 UPWP document. Attachment 6B is the STPDA table that corresponds with funding proposed in the draft FY12 UPWP.

TCC Action: Recommend that the TAC approve the FY 2011-2012 UPWP.

7. Job Access Reverse Commute and New Freedom Programs

(Attachments to be handed out at the meeting)

Maricia Brown, LPA Staff

The MPO receives an annual allocation of Job Access Reverse Commute (JARC) and New Freedom (NF) funds from FTA. JARC is targeted for improving transportation for low income populations and NF is targeted at persons with disabilities.

For the 2011 Call for Projects the MPO's remaining JARC appropriations are \$72,671 from FFY 2009, and \$195,374 from FFY 2010, which totals \$248,500 (*net of administrative cost*). The remaining NFP funds are \$10,769 from FFY 2009 and \$87,757 from FFY 2010, which totals \$89,750 (*net of administrative cost*).

TCC Action: Recommend that the TAC approve the Program of Projects.

8. Closure of Pickett Road
(Attachment 8, 8A, 8B, 8C, 8D)
Andy Henry, LPA Staff

The Hollow Rock Access Area Master Plan recommends closing Pickett Road through the park to reduce conflicts between park uses and through vehicle traffic. The Orange County Board of County Commissioners will need to initiate the road closing procedure with the North Carolina Department of Transportation (NCDOT). Given the road closing impacts on Durham citizens, the Durham City/County Planning staff conducted a meeting for residents in the vicinity of Pickett Road, and the Durham City Council and Board of County Commissioners will review this issue and decide whether to adopt a resolution of support for the road closing at their May 2nd and May 9th meetings, respectively. At their March 9th meeting, TAC members asked that this item be presented to the TAC at their April meeting. The TCC reviewed this item and deferred action until several issues were addressed. Staff members from several agencies involved in the Hollow Rock Plan and the Pickett Road closing met on April 8th to address these issues.

Attachment 8 is a memorandum that discusses the outcome of the public meeting and traffic analysis study, and identifies TCC and other agency issues in the proposed road closing.

Attachments

- 8A – Vicinity map of road closing
- 8B – Hollow Rock map (excerpt from Master Plan)
- 8C – Traffic Analysis Report
- 8D -- Resolution

TCC Action: Discuss proposed road closing and make recommendation for TAC to adopt resolution of support.

9. FY 2012-2018 Metropolitan Transportation Improvement Program, 2035 Long Range Transportation Plan Amendment #2, and Air Quality Conformity Process
(Attachment 9, 9A, 9B, 9C, 9D)
Ellen Beckmann, LPA Staff

The DCHC MPO will be approving three documents by August 2011:

- the FY 2012-2018 Metropolitan Transportation Improvement Program;
- Amendment #2 to the 2035 Long Range Transportation Plan; and
- corresponding air quality conformity determinations.

The MTIP must be coordinated with the State Transportation Improvement Program which is scheduled to be approved by the Board of Transportation in July 2011. The LRTP amendment is needed to ensure that the MTIP/STIP and the LRTP are consistent. Since both documents are subject to the air quality conformity process, air quality conformity determination reports must be prepared and approved.

Attachment 9 is a memo on the three documents and the approval process. Attachment 9 highlights differences between the draft STIP and draft MTIP. Attachment 9A is a response to the public comments received on the draft MTIP. Attachment 6B is an updated STPDA table displaying the changes to be incorporated in the final FY 12-18 MTIP. Attachment 9B is a table displaying the transit portion of the final STIP including a proposed amendment to add Section 5309 funding in FY 2011. Attachment 9C is a table of completed and deleted projects for the final STIP. Attachment 9D is a resolution and table displaying the 2035 LRTP amendment for the DCHC MPO and the Capital Area MPO.

Both the adoption of the MTIP and the adoption of the 2035 LRTP amendment require adoption of an air quality conformity determination report. The draft air quality conformity report will not be complete until early June and must be adopted in August.

NCDOT is proceeding with finalizing the STIP and expects to provide MPOs a summary of changes in late April/early May. Since this information was not available at the time of posting the TCC agenda, LPA staff recommend that the TCC defer a recommendation for the final MTIP until the May TCC meeting.

TCC Action: Receive update on the FY 2012-2018 MTIP and 2035 LRTP Amendment #2.

10. FY 2014-2020 Transportation Improvement Program – Regional Priority List **(Attachment 10, 10A)**

Ellen Beckmann, LPA Staff

NCDOT has begun developing the process for prioritizing projects for the next Transportation Improvement Program (TIP). All projects previously submitted by the MPOs, RPOs, and Divisions are already in the prioritization database and will be scored. MPOs, RPOs, and Divisions are asked to submit any new projects by July 2011. MPOs, RPOs, and Divisions will then be asked to rank projects by November 2011.

Attachment 10 is a report from the TIP Subcommittee. Attachment 10A is a summary comparison of the ranking methodologies for NCDOT, the adopted MPO methodology, and the LPA staff recommendation for changes to the MPO methodology.

TCC Action: Receive update from TIP Subcommittee. Review schedule and process for creating the MPO priority list including the MPO project ranking methodology.

11. 2040 Long Range Transportation Plan **(Attachment 11, 11A)**

Andy Henry, LPA Staff

The LRTP/CTP subcommittee met on March 29th to discuss the tasks and schedule for the 2040 Long Range Transportation Plan (LRTP) and Comprehensive Transportation Plan (CTP).

Attachments 11 and 11A are the 2040 LRTP and CTP schedules, respectively, resulting from the subcommittee discussions. At the TCC meeting, the LPA staff will provide some additional details on upcoming tasks, such as the Goals and Objectives and SE Data, to receive comments from TCC members.

TCC Action: Review schedule and tasks for 2040 LRTP and CTP, and make a recommendation to the TAC.

REPORTS FROM STAFF:

12. Reports from Staff

(Attachment 12)

Felix Nwoko, LPA Staff

TCC Action: Receive Report from staff

13. Report from the Chair

Mark Ahrendsen, TCC Chair

TCC Action: Receive Report from TCC Chair

14. NCDOT Report

(Attachment 14)

Wally Bowman, Division 5 – NCDOT

Mike Mills, Division 7 – NCDOT

INFORMATIONAL ITEMS

Adjourn

Next meeting: May 25, 2011

1 TECHNICAL COORDINATING COMMITTEE

2 March 23, 2011

3 MINUTES OF MEETING

4 The Technical Coordinating Committee met on March 23, 2011 at 9:00 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 – Transportation (TCC Chair)
7	*Ellen Beckmann (Alternate)	City of Durham – Transportation
8	*Julie Bollinger	NCDOT – TPB
9	*David Bonk	Town of Chapel Hill (TCC Vice-Chair)
10	*Andy Henry	City of Durham - Transportation
11	*John Hodges-Copple	Triangle J COG
12	*Joey Hopkins (Alternate)	NCDOT – Division 5
13	*Tom King	Town of Hillsborough
14	*James Lim (Alternate)	Research Triangle Foundation
15	*Karen Lincoln	Orange County
16	*Brian Litchfield	Town of Chapel Hill
17	*Ray Magyar	UNC – Transportation
18	*Kumar Neppalli	Town of Chapel Hill
19	*Pierre Osei-Owusu	City of Durham – DATA
20	*Jonathan Parker (Alternate)	Triangle Transit
21	*Ed Venable	City of Durham – P.W. – Engineering
22	*Patrick Wilson (Alternate)	NCDOT – Division 7
23		
24	Maricia Brown	City of Durham – Transportation
25	Jeff Brubaker	Town of Carrboro
26	KoSok Chae	City of Durham – Transportation
27	Dale McKeel	City of Durham – Transportation
28	Ryan Mickles	Town of Chapel Hill
29	Greg Northcutt	Triangle Transit
30	Brian Rhodes	City of Durham – Transportation
31	John Vine-Hodge	NCDOT Bike/Pedestrian
32	Don Voelker	NCDOT – Raleigh
33	David Wasserman	NCDOT – Raleigh
34	David Willauer	IEM, Inc. RTP, NC
35	Emily Yasukochi	Town of Chapel Hill
36		
37	*Voting Member	
38	^Temporary Non-Voting Member	
39	Quorum Count: 18 of 20 Voting Members	
40		

41 *According to the TCC Bylaws, when a member misses three meetings in a row he/she is not considered a*
42 *voting member on the third consecutive missed meeting. Voting privileges are reinstated on the second*
43 *consecutive meeting that he/she attends.*

44
45 Mark Ahrendsen, TCC Chair, called the meeting to order at 9:06 a.m. The Alternate Voting

46 Members were identified and are indicated above.

47 **PRELIMINARIES:**

48 **Adjustments to the Agenda**

49 Agenda item #6, 10, and 11 will be moved up on the agenda.

50 **Public Comments**

51 David Willauer with IEM, Inc. stated that last year he introduced to the TCC the Statewide
52 HazMat Study which is sponsored by the North Carolina Emergency Management Division. He is here to
53 report that they are focusing their study on the center of the state, including Durham, Orange, and
54 Wake Counties. This focus of the next six months is to identify priority hazardous materials. There will
55 be stakeholder meetings next week. Mark Ahrendsen stated there is a NCDOT effort to coordinate
56 emergency management. Mr. Willauer distributed a handout.

57 **ACTION ITEMS:**

58 **Approval of February 23, 2011 TCC Meeting Minutes (Attachment 4)**

59 A motion was made by David Bonk and seconded by John Hodges-Copple to approve the
60 February 23, 2011 TCC Meeting Minutes with the adjustment that James Lim was an alternate voting
61 member for Research Triangle Foundation. The motion carried unanimously.

62 **FY 2014-2020 Transportation Improvement Program – Regional Priority List (Attachment 5)**

63 David Wasserman with NCDOT provided a Power Point presentation on the FY 2014-2020
64 Transportation Improvement Program – Regional Priority List, along with the attachment.

65 Dale McKeel asked if there are no funds in the enhancement program and after discussion Mr.
66 Wasserman stated technically there is a large balance in that category; but there hasn't been a call for

67 projects. Mark Ahrendsen stated we are still interested in pursuing funds for the enhancement projects.
68 John Hodges-Copple stated this also applies to the CMAQ funds. Mr. Wasserman the CMAQ funds will
69 be handled through the prioritization process. Mark Ahrendsen stated we want to make sure the CMAQ
70 and enhancement funds aren't subject to rescission.

71 David Wasserman stated there will be an outreach meeting in Greensboro on May 11, 2011.
72 The schedule will move back a month. The final TIP is scheduled to be adopted in August. The
73 MPO/local review will occur in May-June and any new projects are due by July.

74 Bill Barlow has a prioritization list of the public transit projects. Any questions, please contact
75 Bill Barlow. Likewise, if you have any questions as to how rail projects are prioritized, contact Cheryl
76 Hannah in the Rail Division. John Hodges-Copple stated benefit cost needs to be changed to travel time
77 savings benefit cost.

78 John Vine-Hodge provided a presentation on the bike and pedestrian prioritization.

79 Andy Henry stated the TAC requested a presentation from NCDOT on how each tier is funded.
80 Ellen Beckmann stated a subcommittee meeting needs to be scheduled to discuss the schedule and
81 process. Ms. Beckmann will work with David Bonk to schedule the meeting.

82 **Triangle Regional Transit Program (Attachment 6)**

83 Greg Northcutt provided a Power Point presentation on the Triangle Regional Transit Program,
84 along with the attachment. Mr. Northcutt stated that Wake County has deferred the referendum to at
85 least 2012.

86 FTA will score the project without the referendum. Greg Northcutt stated a passed referendum
87 will be a benefit in FTA's review but it is not required.

88 Greg Northcutt stated the June/July time period is important for the DCHC MPO. Andy Henry
89 stated we could have the TAC release the information; but it is not complete.

90

91 **FY 2010-2011 Unified Planning Work Program – Amendment #2 (Attachment 7)**

92 Maricia Brown provided an introduction for the FY 2010-2011 Unified Planning Work Program –
93 Amendment #2, along with the attachment.

94 A motion was made by Pierre Osei-Owusu and seconded by Karen Lincoln to recommend TAC
95 approve the resolution adopting Amendment #2 to the FY 2010-2011 Unified Planning Work Program.
96 The motion carried unanimously.

97 John Hodges-Copple stated we need to look specifically at the funding, especially on page three.
98 John Hodges-Copple stated he would like to see specifically where the funds are being spent. Joey
99 Hopkins stated that raises a question for him from a budget standpoint. He is not sure that it is a staff
100 decision to move funds to a budget item that was either over budget or under budget. Mr. Hopkins
101 stated he thinks a decision to move funds should come back to the TCC and then receive TAC approval.

102 Ellen Beckmann stated there was a staff and routine planning table and a special projects table.
103 This categorization was based off the type of project, not the party receiving the funds. John Hodges-
104 Copple pointed out the de-obligation STPDA funds possibly available.

105 **Congestion Management Program (Attachment 8)**

106 KoSok Chae provided an introduction for the Congestion Management Program, along with the
107 attachment.

108 A motion was made by Karen Lincoln and seconded by Jeff Brubaker to recommend the TAC
109 release the Congestion Management Program Procedures and Responsibilities Report for public
110 comment. The motion carried unanimously.

111 **Closure of Pickett Road (Attachment 9, 9A, 9B, 9C, and 9D)**

112 Andy Henry provided an introduction for the Closure of Pickett Road, along with the
113 attachments.

114 Dale McKeel stated the right of way will go back to the property owners. Is that really what they
115 want?

116 Joey Hopkins stated NCDOT needs to have adequate access and turnarounds from Durham
117 County. There is concern over littering and dumping if the road is closed. Dale McKeel stated it is good
118 to have connectivity in an emergency situation. Karen Lincoln stated it is a minor thoroughfare in the
119 CTP.

120 There are too many questions to provide guidance to the TAC. Andy Henry will set up a
121 subcommittee meeting to discuss concerns that were brought up by TCC staff. Joey Hopkins stated to
122 be sure to include Tasha and Chuck Edwards.

123 **FY 2012-2018 Metropolitan Transportation Improvement Program, 2035 Long Range Transportation**
124 **Plan Amendment #2, and Air Quality Conformity Process (Attachment 10, 10A, 10B, 10C, and 10D)**

125
126 Ellen Beckmann provided an introduction for the FY 2012-2018 Metropolitan Transportation
127 Improvement Program, 2035 Long Range Transportation Amendment #2, and Air Quality Conformity
128 Process, along with the attachments.

129 Ellen Beckmann stated five Durham projects have shifted beyond one year on the STPDA project
130 schedule. The projects that have shifted more than a year are Barbee Road, DATA sidewalk, Moreene
131 Road, Cornwallis Road, and Carpenter-Fletcher Road. The one year is significant because our policy
132 states that if projects shift beyond the one year grace period, we would consider reallocating funds to
133 other projects. Ed Venable stated 10B reflects a schedule we can accommodate. Maricia Brown's
134 concern is that we are leaving ourselves open to huge amounts of funds that have not been obligated.
135 Ms. Brown's concern is what we are going to do with the funds that are not programmed now. Mark
136 Ahrendsen stated they are at risk of being rescinded. Maricia Brown suggested that when we push
137 these projects out further in the MTIP or TIP that we program funds in the current year to do projects
138 that are ready so we don't lose the funds. We need to be proactive. NCDOT has been providing reports

139 to the agencies. Ms. Brown suggested providing the report to TCC members to keep everyone apprised
140 of the status of the projects.

141 **FY 2011-2012 Unified Planning Work Program (Attachment 11, 11A, and 11B)**

142 Maricia Brown provided an introduction for the FY 2011-2012 Unified Planning Work Program,
143 along with the attachments.

144 John Hodges-Copple explained the request by Triangle J COG. Mr. Hodges-Copple stated the
145 Draft UPWP needs to be changed to reflect changes to the wording. This item will be brought back
146 again next month with the changes noted.

147 **REPORTS FROM STAFF:**

148 **Reports from Staff (Attachment 12)**

149 The report from staff is attached for review. John Hodges-Copple would like to see a report on
150 the outcome of the Phase I special projects; such as Land Use; GIS/Data Integration and Automation and
151 the Non-Motorized Model.

152 Dale McKeel stated there is a High Speed Rail bill to reject federal funds.

153 Mark Ahrendsen suggested alerting TAC members of the issue and encouraging them to contact
154 committee members to express their position on the bill. Keep it as an agenda item for the TAC to
155 adopt a resolution.

156 A motion was made by John Hodges-Copple and seconded by Andy Henry to recommend that
157 the LPA staff draft a resolution for TAC's consideration opposing the State's ability receive and expend
158 the funds. The motion carried unanimously.

159 **Report from the Chair**

160 There was nothing to report.

161

162

MEMORANDUM

TO: Transportation Advisory Committee
DCHC MPO

FROM: DCHC MPO Lead Planning Agency

DATE: April 13, 2011

SUBJECT: 2011-2012 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 are sub-allocated to the City of Durham, Town of Carrboro and Town of Chapel Hill. Section 133(b)(3)(7) funds are the portion of STP-DA funds used in MPO planning. The City of Durham 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, NC 54 Corridor Study, Parking Survey/Study, 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.

4/5/2011 4:25 PM

Unified Planning Work Program (UPWP) Development Process

The development process for the 2011-12 UPWP is presented below. The work program contains any new initiative for FY2012 and a continuation of the FY2011 initiatives and emphasis areas. In addition, the schedule provides for opportunity for linking the UPWP development with the local member governments' budget process. Draft 2011-2012 UPWP schedule is illustrated in the attached development schedule.

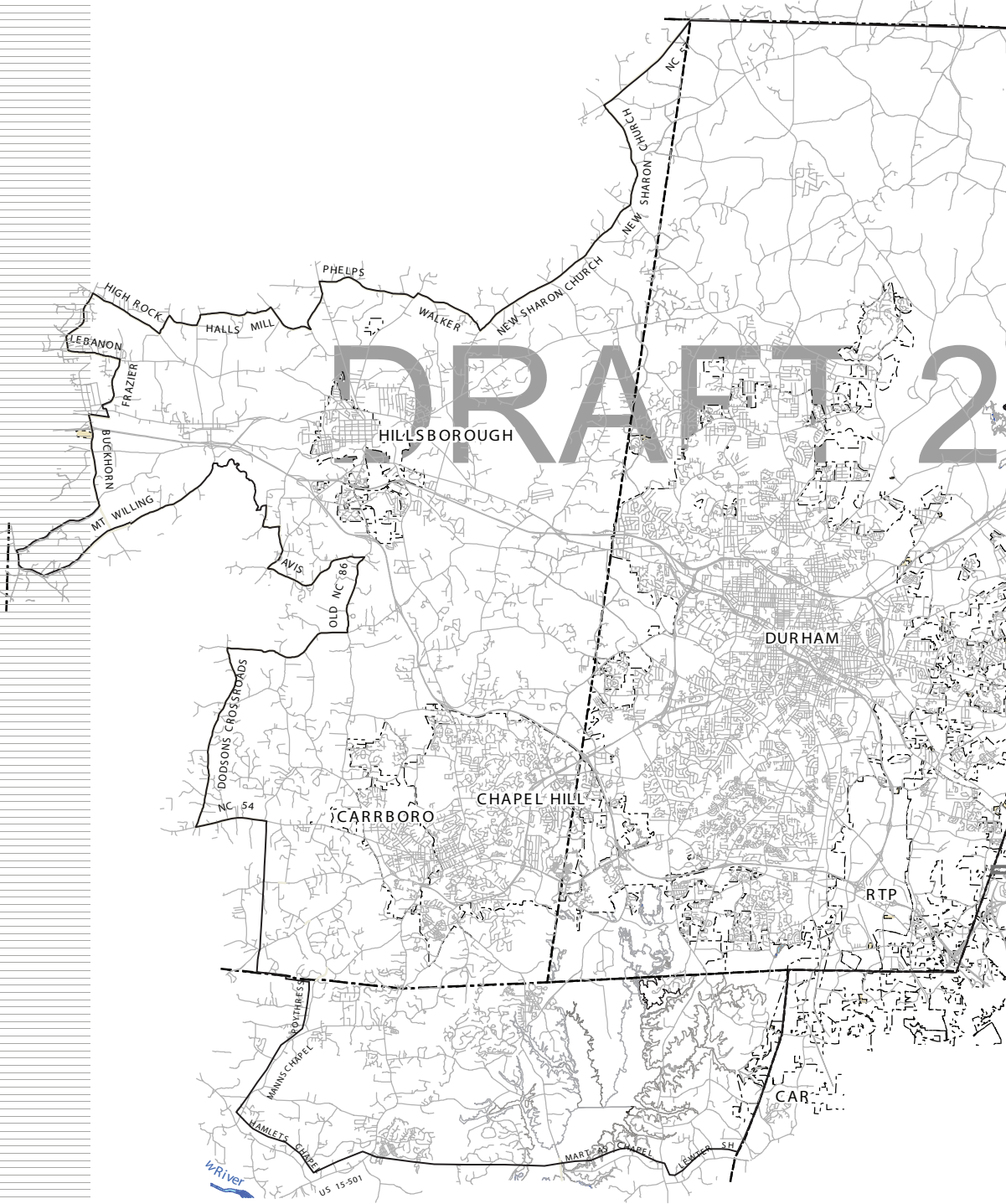
1	26-Jan-11	TCC receives the schedule for the development of the 2011-2012 UPWP and Draft financial tables.
2	23-Jan-11	Deadline for submitting transit element of the UPWP to NCDOT-PTD
3	9-Feb-11	TAC receives schedule for the development of the 2011-2012 UPWP and Draft of Financial Schedules.
4	23-Feb-11	TCC receives 2nd Draft 2011-2012 UPWP and recommends TAC release 2nd draft UPWP for public comment.
5	February-March	Development of Draft 2011-2012 UPWP and coordinating with local agencies continues.
6	February-March	TCC coordinates with member jurisdictions budget process for local matching funds
7	9-Mar-11	TAC receives Draft 2011-2012 UPWP and releases UPWP for public comment
8	23-Mar-11	TCC recommends Draft 2011-2012 UPWP for TAC approval
9	13-Apr-11	TAC reviews Draft 2011-2012 UPWP, hold public comments hearing
10	27-Apr-11	TCC considers public comments and recommends that TAC adopt FINAL 2011-2012 UPWP and self certifies MPO planning process
11	11-May-11	TAC adopts FINAL 2011-2012 UPWP and self certifies MPO planning process
12	1-Jun-11	NCDOT/FHWA approves 2011-2012 UPWP

DCHC- MPO

TCC 4/27/2011 Attachment 6A

Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Unified Planning Work Program

FY 2011-12



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**Durham-Chapel Hill-Carrboro
Metropolitan Planning Organization**

FY 2011-2012 Unified Planning Work Program

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**Durham-Chapel Hill-Carrboro
Metropolitan Planning Organization**

FY 2011-2012 Unified Planning Work Program

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DRAFT 2

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

RESOLUTION

Approving the FY 2011-2012 Unified Planning Work Program

May 11, 2011

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 2011-2012.

Now, therefore, be it resolved that the Transportation Advisory Committee hereby endorses the *Durham-Chapel Hill-Carrboro Metropolitan Planning Organization FY 2011-2012 Unified Planning Work Program.*

I, Lydia E. Lavelle, 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 11th day of May, 2011.

Lydia E. Lavelle, TAC Chair

Durham County, North Carolina

I certify that Lydia E. Lavelle personally appeared before me this day acknowledging to me that she signed the forgoing document.

Date: May 11, 2011

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 2011-2012 Unified Planning Work Program (UPWP) of the
DCHC Urban Area/Metropolitan Planning Organization

May 11, 2011

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 2011-2012.

**Now therefore, be it resolved that the Transportation Advisory Committee hereby endorses
the FY 2011-2012 Unified Planning Work Program for the Durham-Chapel Hill-Carrboro
Metropolitan Planning Organization.**

I, Lydia E. Lavelle, 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 11th day of May, 2011.

Lydia E. Lavelle, TAC Chair

Durham County, North Carolina

I certify that Lydia E. Lavelle personally appeared before me this day acknowledging to me that she
signed the forgoing document.

Date: May 11, 2011

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 2011-2012 (FY 2012)

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 2030 Long Range Transportation Plan;

WHEREAS, the Transportation Plan has a planning horizon year of 2035, 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 11th day of May, 2011.

Lydia E. Lavelle, TAC Chair

Clerk/Secretary/Planner

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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.

DRAFT 2

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. Section 1101(b) of the SAFETEA-LU (Pub. L. 109-59) 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?
SAFETEA-LU
- a. How _____
 - b. Why not _____

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OVERVIEW

Federal legislation (SAFETEA-LU) and implementing regulations mandate that each Metropolitan Planning Organization prepare an annually Unified Planning Work Program (UPWP) that details and guides the urban area transportation planning activities. 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 *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 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 included in this work program.

The funding source tables reflect available federal planning fund sources and the amounts of non-federal matching funds. The match is provided through either local or state funds or both. Statewide Planning and Research Funds (SPR) are designated for State use only and reflect the amount of those funds to be expended by the NCDOT Transportation Planning Branch 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 FTA 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) and 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 only be used 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 (TIP).

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 was approved as part of the FY 2011-2012 UPWP and is included in this (FY 2012) work program.

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 are sub-allocated to the City of Durham, Town of Carrboro and Town of Chapel Hill. Section 133(b)(3)(7) funds are the portion of STP-DA funds used in MPO planning. The City of Durham 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, NC 54 Corridor Study, Parking Survey/Study, 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 2011-12 STP-DA Funds will cover special projects and continuation major emphasis projects. These are summarized as follows:

Special Projects

- Follow-up Planning studies for the Special Transit Advisory Commission – STAC
- Commercial vehicle survey and counts for the Triangle Regional Model (TRM)

- Parking survey, inventory and study for the TRM
- NC 54/I40 Corridor/Sub-Area Study
- Initiation of the 2040 LRTP
- MPO Freight planning
- MPO Safety and security Plan
- Model data collection
- MPO Congestion Management Plan and process
- Integration Climate Change in Transportation Planning Process

Continuation of Major Projects

- MPO Integrated Land-use/Transportation Model
- Non-Motorized trip model
- GIS Warehouse/Integration and Automation
- MPO-wide Collector Street Plan
- Farrington/Stagecoach Road Study – Public Involvement
- Intelligent Transportation Systems (ITS) Strategic Deployment Plan

FY 2011-12 UPWP funding levels as well as the descriptions of funding sources is summarized below.

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 SAFETEA-LU Section 104(f) allocation as well as new PL distribution approved by NCDOT Board of Transportation in June 2005. The statewide section 104(f) funds are distributed among the 17 MPOs based on a formula. The DCHC MPO PL fund allocation for FY 2011-12 is as follows:

Federal (PL funds)	\$ 456,112
Local (20% match)	\$ 114,028
Total PL Funds	<u>\$ 570,140</u>

STP-DA – These funds are the Direct Attributable Allocation portion of the federal Surface Transportation Program (STP) funds provided to Transportation Management Areas (TMAs are MPOs over 200,000 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 2011-2012 UPWP are shown below; including re-obligated or carried over to FY 2011-12:

Federal (STP-DA)	\$ 1,588,865
Local (20% match)	\$ 397,216
Total	<u>\$ 1,986,081</u>

State Planning and Research Funds (SPR Funds) – These are FHWA funds allocated to the Transportation Planning Branch (TPB) of NCDOT. NCDOT determines the allocation of these funds among tasks in the UPWP and is responsible for contributing 20% of non federal matching funds. SPR funds programmed in the 2011-2012 UPWP are as follows:

Federal	\$ 64,000
NCDOT-TPB	\$ 16,000
Total SPR funds	<u>\$ 80,000</u>

FTA Funds -Two types of funds are used for transit planning purposes by the DCHC MPO; Section 5303 (formerly Section 8 Metropolitan Planning) and Section 5307 funds (formerly Section 9) of the Federal Transit Act Amendments of 1991.

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).

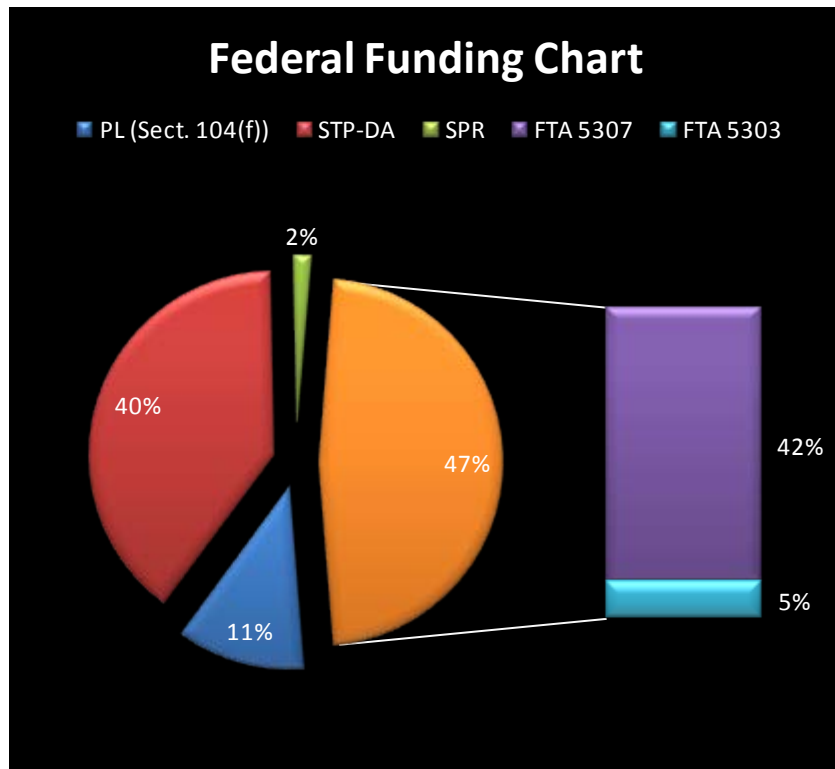
	CHT	DATA	TTA	MPO Total
Federal	\$107,596	\$111,986	\$0	\$219,582
State	\$13,450	\$13,999	\$0	\$27,449
Local	\$13,450	\$13,999	\$0	\$27,449
Total Sect. 5303	\$134,496	\$139,984	\$0	\$274,480

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.

	CHT	DATA	TTA	MPO Total
Federal	\$325,000	\$509,724	\$851,000	\$1,685,724
State	\$40,625	\$63,716	\$106,375	\$210,716
Local	\$40,625	\$63,716	\$106,375	\$210,716
Total Sect. 5307	\$406,250	\$637,156	\$1,063,750	\$2,107,156

DCHC MPO UPWP FY 2011-2012 SUMMARY Funding Sources

Funding Type	Federal	State	Local	Total
PL (Sect. 104(f))	\$456,112	\$0	\$114,028	\$570,140
STP-DA	\$1,588,865	\$0	\$397,216	\$1,986,081
SPR	\$64,000	\$16,000	\$0	\$80,000
FTA 5307	\$1,685,724	\$210,716	\$210,716	\$2,107,156
FTA 5303	\$219,582	\$27,449	\$27,449	\$274,480
Totals	\$4,014,283	\$254,165	\$749,409	\$5,017,857



Special-Major Project Summary

Introduction

The Main emphases of the current (FY 2010-11) Unified Planning Work Program (UPWP) were the development of the 2035 Long Range Transportation Plan and Air Quality Conformity Determination, model, enhancement, calibration and validation of the Tranplan update of the Triangle Regional Model, the development of the MPO GIS Warehouse/Integration and Automation, the development of the Non-motorized Trip Model, the development of the MPO integrated land-use/transportation model, Intelligent Transportation Systems (ITS) Strategic Deployment Plan, Farrington/ Stagecoach Road Corridor Study, MPO Collector Street Plan, Greenhouse Gas Emission Study, development of the regional transit plan, Chapel Hill Transit Master Plan study, and amendment of the 2035 Long Range Transportation Plan (LRTP). The MPO continued to fulfill State and federal transportation mandates and requirements, mainly the 3-C transportation process. The MPO made significant progress in these areas. Major milestones and accomplishments are summarized as follows:

The accomplishments for the 2010-11 UPWP are summarized as follows:

1. Greenhouse Gas (GHG) Emission Study Implementation: The MPO continues to work on the implementation of the GHG Emissions study, completed the formation of an energy Team and continues to provide for the Energy Team. There is on-going implementation in the focus areas of reducing transportation demand mainly SOV and encouraging alternative transportation modes.
2. NC 54/I-40 Corridor Study: The MPO initiated a consultant study for an integrated land use/transportation corridor study for the NC 54 corridor between the I-40 interchange in Durham and the US 15/501 inter-change in Chapel Hill. The purpose of the study is to analyze short-term and long-term land use issues and multi-modal transportation problems, evaluate opportunities and challenges, and recommend short and long-range solutions and strategies along the corridor. Phase I has been completed and Phase 2 is begun.
3. 2012-2015 Metropolitan Transportation Improvement Program (MTIP) and air quality conformity analysis: The MPO finalized the development of the 2009-15 MTIP. The DCHC MPO's Transportation Advisory Committee (TAC) approved the Fiscal Year 2009-2015 Metropolitan Transportation Improvement Program (MTIP) at their August 2008 meeting.
4. Administrative Modifications of the 2009-15 MTIP: The MPO processed several administrative modifications to the 2009-15 MTIP and forwarded to NCDOT to be included in the STIP for BOT approval.
5. Revision and enhancement of the MTIP Project Prioritization and Ranking Methodology for the 2011-2017 MTIP. The Lead Planning Agency continued work on the refinements and revision of the 20011-2017 MTIP project prioritization and ranking methodology. Draft methodology was made available to the public and local MPO agencies for review and comments. The project prioritization and ranking methodology was approved by the TAC in September 2008.

6. Development of the SPOT and the 5-year let plan (TIP fiscal constrained plan) and the 10-year SPOT priorities.
7. Stimulus Program (ARRA) Project Selection, monitoring and Reporting: The Lead Planning Agency worked on project selection, monitoring and reporting of the Economic Recovery Stimulus projects (ARRA). Staff coordinating with NCDOT in project selection consistent with the federal guidelines.
8. 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.
9. The MPO continued work on several special and major emphasis projects: MPO Land-use model, MPO Non-Motorized Trip model, MPO GIS-T warehouse & Automation, Farrington Road/Stagecoach Road Corridor Study. Significant progress was made during the 2010-11 fiscal year.
10. Alston Avenue Widening and East End Connector: The LPA worked with NCDOT on the project planning and environmental documentation (NEPA) for the Alston Avenue and East End Connector projects. The LPA will facilitate the public involvement for the East End Connector project including finalizing recommendations from the Ad Hoc Committee and the City of Durham. The LPA coordinated with NCDOT on the environmental justice issues associated with the Alston Avenue project.
11. Other Project Development Planning and NEPA: the LPA participated on several NCDOT project planning and NEPA 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, Weaver Dairy Road widening/improvement, South Columbia, Elizabeth Brady Rd, several bridge replacement projects, resurfacing projects, etc
12. ITS Strategic Deployment Plan (SDP) was completed and the implementation is under way. The MPO is providing the contractual and administrative management of this project.

2011-2012 Proposed Work Program (Work Plan)

The development of the 2040 LRTP, update, improvement and refinement of the Triangle Regional Model and the MPO Congestion Management Process (CMP) will continue to be a top priority for the 2011-2012 UPWP. The MPO will continue to work with the Model Service Bureau in addressing TAC model concerns such as parking, the incorporation of non-motorized trips, link level calibration, better route-level transit ridership forecasts, integration of land-use and transportation,. Other top priorities include the development of the Comprehensive Transportation Plan, the development of the MPO climate change plan, regional transit initiatives, implementation of SAFETEA-LU requirements. The following summarizes proposed new initiatives and special areas for 2011-12 work programs.

FY 2012 Transportation Planning Work Plan and Unified Planning Work Program (UPWP) Emphasis Transportation Planning Projects/Products	
1	2040 LRTP
2	CTP
3	Development of the MPO CMP
4	Maintenance and update of ITS-SDP
5	Maintenance and update of the IDAS and Dynasmart
6	MPO Data collection and Surveillance of Change
7	TRM Modeling improvements, calibration and validation
8	LPA Policy document and strategic plan
9	Environmental Justice Plan for the DCHC MPO
10	MPO Safety and Security Plan/Integration
11	Freight Plan and integration of freight (urban Goods Movement planning
12	MPO Climate Change Plan/ integration of climate change and Greenhouse gas emission into MPO Planning
13	Bicycle friendly designation for Durham (and Chapel Hill?)
14	Spatial mapping and analysis of bike and pedestrian access to schools - sidewalks/bike access
15	Rail Traffic separation Study
16	Purpose and Need Statements/Indirect & Cumulative Impacts (ICI)
17	Bicycle map for Durham
18	TDM Plan update
19	MPO Policy /Process document - CAMPO organization Study - Charlotte study
20	MPO expansion, MAB expansion - ground for post 2010 analysis
21	Regional transit planning and local revenue option

Continuation of Special Projects	
1	TELUDE - GIS Warehouse/Enterprise & automation
2	NC 54 Corridor Study
3	UrbanSim _Land use Model
4	Non-Motorized trip modeling

On-Going/Core/Routine 3-C Planning Process

1	UPWP development/amendment/maintenance and invoicing
2	TIP development/amendments
3	ARRA-Stimulus projects reporting and audit compliance
4	TAC/TCC Meetings/agenda preparation/directives to staff/follow-ups
5	GIS mappings and geo-database administration/maintenance
6	bicycle -pedestrian planning
7	JARC/New Freedom
8	STP-DA
9	CMAQ
10	Financial management and auditing
11	Public involvement/engagement/outreach
12	MPO website update/maintenance/content management -visualization & interactive capabilities
13	State & Regional Planning and Coordination
14	Civil rights and Title VI compliance and planning
15	CMP monitoring
16	Data inventory monitoring
17	Project planning-NEPA

DRAFT 2

Unified Planning Work Program (UPWP) Development Process

The development process for the 2011-12 UPWP is presented below. The work program contains any new initiative for FY2012 and a continuation of the FY2011 initiatives and emphasis areas. In addition, the schedule provides for opportunity for linking the UPWP development with the local member governments' budget process. Draft 2011-2012 UPWP schedule is illustrated in the attached development schedule.

1	26-Jan-11	TCC receives the schedule for the development of the 2011-2012 UPWP and Draft financial tables.
2	23-Jan-11	Deadline for submitting transit element of the UPWP to NCDOT-PTD
3	9-Feb-11	TAC receives schedule for the development of the 2011-2012 UPWP and Draft of Financial Schedules.
4	23-Feb-11	TCC receives 2nd Draft 2011-2012 UPWP and recommends TAC release 2nd draft UPWP for public comment.
5	February-March	Development of Draft 2011-2012 UPWP and coordinating with local agencies continues.
6	February-March	TCC coordinates with member jurisdictions budget process for local matching funds
7	9-Mar-11	TAC receives Draft 2011-2012 UPWP and releases UPWP for public comment
8	23-Mar-11	TCC recommends Draft 2011-2012 UPWP for TAC approval
9	13-Apr-11	TAC reviews Draft 2011-2012 UPWP, hold public comments hearing
10	27-Apr-11	TCC considers public comments and recommends that TAC adopt FINAL 2011-2012 UPWP and self certifies MPO planning process
11	11-May-11	TAC adopts FINAL 2011-2012 UPWP and self certifies MPO planning process
12	1-Jun-11	NCDOT/FHWA approves 2011-2012 UPWP

**Durham-Chapel Hill-Carrboro Urban Area
FY 2011-2012 Unified Planning Work Program
Funding Distribution by Agency Funding Sources**

TCC 4/27/2011 Attachment 6A

MPO Funding Table - Distribution by Agency

Receiving Agency	STP-DA Sec. 133(b)(3)(7)		Section 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Funding Summary			
	Local	FHWA	Local	FHWA	Local	NCDOT	FTA	Local	NCDOT	FTA	Local	NCDOT	Federal	Total
	20%	80%	20%	80%	10%	10%	80%	10%	10%	80%				
Durham/DATA	\$383,416	\$1,533,665	\$90,043	\$360,170	\$13,999	\$13,999	\$111,986	\$63,716	\$63,716	\$509,724	\$551,173	\$77,714	\$2,515,547	\$3,144,434
Carrboro	\$0	\$0	\$6,634	\$26,538	\$0	\$0	\$0	\$0	\$0	\$0	\$6,634	\$0	\$26,538	\$33,172
Chapel Hill/CHT	\$0	\$0	\$17,351	\$69,404	\$13,450	\$13,450	\$107,596	\$40,625	\$40,625	\$325,000	\$71,426	\$54,075	\$502,000	\$627,500
Orange County	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TJCOG	\$13,800	\$55,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,800	\$0	\$55,200	\$69,000
TTA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$106,375	\$106,375	\$851,000	\$106,375	\$106,375	\$851,000	\$1,063,750
NCDOT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Totals	\$397,216	\$1,588,865	\$114,028	\$456,112	\$27,449	\$27,449	\$219,582	\$210,716	\$210,716	\$1,685,724	\$749,408	\$238,164	\$3,950,285	\$4,937,856

DRAFT 2

Footnote: All program of activities have been developed with the knowledge that there is no approved Federal Indirect Cost Plan in place at the time of the approval of the FY2012 work program

**Durham-Chapel Hill-Carrboro Urban Area
FY 2011-2012 Unified Planning Work Program
Funding Distribution by Agency Funding Sources**

TCC 4/27/2011 Attachment 6A

MPO Wide - Detail Funding Tables - All Funding Sources

	Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary				
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local	NCDOT	Federal	Total	
II A	Surveillance of Change															
	1 Traffic Volume Counts	3,525	14,100	728	2,912	0	0	0	0	0	0	4,253	-	17,012	21,265	
	2 Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
	3 Street System Changes	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
	4 Traffic Accidents	650	2,600	58	232	0	0	0	0	0	0	708	-	2,832	3,540	
	5 Transit System Data	0	0	0	0	9,319	9,319	74,549	8,674	8,674	69,390	17,992	17,992	143,938	179,923	
	6 Dwelling Unit, Pop. & Emp. Change	0	0	12,064	48,256	0	0	0	0	0	0	12,064	-	48,256	60,320	
	7 Air Travel	0	0	400	1,600	0	0	0	0	0	0	400	-	1,600	2,000	
	8 Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
	9 Travel Time Studies	0	0	7,128	28,512	0	0	0	0	0	0	7,128	-	28,512	35,640	
	10 Mapping	14,880	59,520	6,942	27,768	3,000	3,000	24,000	0	0	0	24,822	3,000	111,288	139,110	
	11 Central Area Parking Inventory	952	3,808	0	0	0	0	0	0	0	0	952	-	3,808	4,760	
	12 Bike & Ped. Facilities Inventory	1,000	4,000	652	2,608	0	0	0	0	0	0	1,652	-	6,608	8,260	
	13 Bike & Ped. Counts	10,000	40,000	760	3,040	0	0	0	0	0	0	10,760	-	43,040	53,800	
II-B	Long Range Transp. Plan															
	1 Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
	2 Collection of Network Data	0	0	64	256	0	0	0	0	0	0	64	-	256	320	
	3 Travel Model Updates	63,356	253,424	0	0	300	300	2,400	11,250	11,250	90,000	74,906	11,550	345,824	432,280	
	4 Travel Surveys	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
	5 Forecast of Data to Horizon year	0	0	17,100	68,400	1,000	1,000	8,000	0	0	0	18,100	1,000	76,400	95,500	
	6 Community Goals & Objectives	0	0	2,550	10,200	500	500	4,000	0	0	0	3,050	500	14,200	17,750	
	7 Forecast of Future Travel Patterns	3,486	13,944	600	2,400	300	300	2,400	0	0	0	4,386	300	18,744	23,430	
	8 Capacity Deficiency Analysis	9,200	36,800	600	2,400	0	0	0	0	0	0	9,800	-	39,200	49,000	
	9 Highway Element of th L RTP	1,120	4,480	300	1,200	0	0	0	0	0	0	1,420	-	5,680	7,100	
	10 Transit Element of the L RTP	1,760	7,040	0	0	1,000	1,000	8,000	3,889	3,889	31,110	6,649	4,889	46,150	57,687	
	11 Bicycle & Ped. Element of the L RTP	12,800	51,200	1,400	5,600	0	0	0	0	0	0	14,200	-	56,800	71,000	
	12 Airport/Air Travel Element of L RTP	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
	13 Collector Street Element of L RTP	1,000	4,000	0	0	0	0	0	0	0	0	1,000	-	4,000	5,000	
	14 Rail, Water or other mode of L RTP	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
	15 Freight Movement/Mobility Planning	3,600	14,400	0	0	0	0	0	0	0	0	3,600	-	14,400	18,000	
	16 Financial Planning	2,500	10,000	2,000	8,000	300	300	2,400	8,334	8,334	66,674	13,134	8,634	87,074	108,842	
	17 Congestion Management Strategies	102,130	408,520	1,256	5,024	500	500	4,000	2,145	2,145	17,160	106,031	2,645	434,704	543,380	
	18 Air Qual. Planning/Conformity Anal.	0	0	3,378	13,512	0	0	0	0	0	0	3,378	-	13,512	16,890	
II-C	Short Range Transit Planning															
	Short Range Transit Planning	0	0	224	896	0	0	0	56,500	56,500	452,000	56,724	56,500	452,896	566,120	
III-A	Planning Work Program															
	Planning Work Program	0	0	9,134	36,536	3,438	3,438	27,506	1,000	1,000	8,000	13,572	4,438	72,042	90,053	
III-B	Transp. Improvement Plan															
	TIP	0	0	12,108	48,432	559	559	4,475	1,800	1,800	14,400	14,467	2,359	67,307	84,134	
III-C	Cvl Rgts. Cmp./Otr .Reg. Reqs.															
	1 Title VI	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
	2 Environmental Justice	2,692	10,768	160	640	0	0	0	664	664	5,310	3,516	664	16,718	20,897	
	3 Minority Business Enterprise	0	0	0	0	0	0	0	500	500	4,000	500	500	4,000	5,000	
	4 Planning for the Elderly & Disabled	0	0	64	256	0	0	0	0	0	0	64	-	256	320	
	5 Safety/Drug Control Planning	0	0	0	0	0	0	0	2,000	2,000	16,000	2,000	2,000	16,000	20,000	
	6 Public Involvement	13,000	52,000	486	1,944	1,682	1,682	13,458	9,148	9,148	73,180	24,316	10,830	140,582	175,727	
	7 Private Sector Participation	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
III-D	Incidental Plng./Project Dev.															
	1 Transportation Enhancement Plng.	0	0	0	0	0	0	0	49,250	49,250	394,000	49,250	49,250	394,000	492,500	
	2 Enviro. Analysis & Pre-TIP Plng.	1,089	4,356	96	384	0	0	0	0	0	0	1,185	-	4,740	5,925	
	3 Special Studies	76,300	305,200	10,954	43,816	0	0	0	0	0	0	87,254	-	349,016	436,270	
	4 Regional or Statewide Planning	13,885	55,540	351	1,403	2,000	2,000	16,000	1,825	1,825	14,600	18,061	3,825	87,543	109,429	
III-E	Management & Operations															
	1 Management & Operations	58,291	233,165	22,471	89,884	3,550	3,550	28,397	53,738	53,738	429,902	138,050	57,287	781,347	976,684	
	Totals	\$397,216	\$1,588,865	\$114,028	\$456,111	\$27,448	\$27,448	\$219,585	\$210,716	\$210,716	\$1,685,724	\$749,408	\$238,164	\$3,950,285	\$4,937,856	

**Durham-Chapel Hill-Carrboro Urban Area
FY 2011-2012 Unified Planning Work Program
Funding Distribution by Agency Funding Sources**

TCC 4/27/2011 Attachment 6A

Composite Agency Tables -PL & STPDA Funding ONLY.

	Task Description	Chapel Hill			Carrboro			TJCOG			Durham			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%
II A	Surveillance of Change															
1	Traffic Volume Counts	\$600	\$2,400	\$3,000	\$128	\$512	\$640	\$0	\$0	\$0	\$3,525	\$14,100	\$17,625	\$4,253	\$17,012	\$21,265
2	Vehicle Miles of Travel	\$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
4	Traffic Accidents	\$0	\$0	\$0	\$58	\$232	\$290	\$0	\$0	\$0	\$650	\$2,600	\$3,250	\$708	\$2,832	\$3,540
5	Transit System Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Dwelling Unit, Pop. & Emp. Change	\$600	\$2,400	\$3,000	\$64	\$256	\$320	\$0	\$0	\$0	\$11,400	\$45,600	\$57,000	\$12,064	\$48,256	\$60,320
7	Air Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400	\$1,600	\$2,000	\$400	\$1,600	\$2,000
8	Vehicle Occupancy Rates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Travel Time Studies	\$0	\$0	\$0	\$128	\$512	\$640	\$0	\$0	\$0	\$7,000	\$28,000	\$35,000	\$7,128	\$28,512	\$35,640
10	Mapping	\$2,000	\$8,000	\$10,000	\$342	\$1,368	\$1,710	\$0	\$0	\$0	\$19,480	\$77,920	\$97,400	\$21,822	\$87,288	\$109,110
11	Central Area Parking Inventory	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$952	\$3,808	\$4,760	\$952	\$3,808	\$4,760
12	Bike & Ped. Facilities Inventory	\$600	\$2,400	\$3,000	\$52	\$208	\$260	\$0	\$0	\$0	\$1,000	\$4,000	\$5,000	\$1,652	\$6,608	\$8,260
13	Bike & Ped. Counts	\$600	\$2,400	\$3,000	\$160	\$640	\$800	\$0	\$0	\$0	\$10,000	\$40,000	\$50,000	\$10,760	\$43,040	\$53,800
II-B	Long Range Transp. Plan															
1	Collection of Base Year Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Collection of Network Data	\$0	\$0	\$0	\$64	\$256	\$320	\$0	\$0	\$0	\$0	\$0	\$0	\$64	\$256	\$320
3	Travel Model Updates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$63,356	\$253,424	\$316,780	\$63,356	\$253,424	\$316,780
4	Travel Surveys	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Forecast of Data to Horizon year	\$4,000	\$16,000	\$20,000	\$100	\$400	\$500	\$0	\$0	\$0	\$13,000	\$52,000	\$65,000	\$17,100	\$68,400	\$85,500
6	Community Goals & Objectives	\$0	\$0	\$0	\$52	\$208	\$260	\$0	\$0	\$0	\$2,498	\$9,992	\$12,490	\$2,550	\$10,200	\$12,750
7	Forecast of Future Travel Patterns	\$600	\$2,400	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$3,486	\$13,944	\$17,430	\$4,086	\$16,344	\$20,430
8	Capacity Deficiency Analysis	\$600	\$2,400	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$9,200	\$36,800	\$46,000	\$9,800	\$39,200	\$49,000
9	Highway Element of th L RTP	\$300	\$1,200	\$1,500	\$0	\$0	\$0	\$0	\$0	\$0	\$1,120	\$4,480	\$5,600	\$1,420	\$5,680	\$7,100
10	Transit Element of the L RTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,760	\$7,040	\$8,800	\$1,760	\$7,040	\$8,800
11	Bicycle & Ped. Element of the L RTP	\$1,400	\$5,600	\$7,000	\$0	\$0	\$0	\$0	\$0	\$0	\$12,800	\$51,200	\$64,000	\$14,200	\$56,800	\$71,000
12	Airport/Air Travel Element of L RTP	\$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	\$1,000	\$4,000	\$5,000	\$1,000	\$4,000	\$5,000
14	Rail, Water or other mode of L RTP	\$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	\$3,600	\$14,400	\$18,000	\$3,600	\$14,400	\$18,000
16	Financial Planning	\$1,000	\$4,000	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$3,500	\$14,000	\$17,500	\$4,500	\$18,000	\$22,500
17	Congestion Management Strategies	\$1,000	\$4,000	\$5,000	\$256	\$1,024	\$1,280	\$0	\$0	\$0	\$102,130	\$408,520	\$510,650	\$103,386	\$413,544	\$516,930
18	Air Qual. Planning/Conformity Anal.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,378	\$13,512	\$16,890	\$3,378	\$13,512	\$16,890
II-C	Short Range Transit Planning															
	Short Range Transit Planning	\$0	\$0	\$0	\$224	\$896	\$1,120	\$0	\$0	\$0	\$0	\$0	\$0	\$224	\$896	\$1,120
III-A	Planning Work Program															
	Planning Work Program	\$400	\$1,600	\$2,000	\$286	\$1,144	\$1,430	\$0	\$0	\$0	\$8,448	\$33,792	\$42,240	\$9,134	\$36,536	\$45,670
III-B	Transp. Improvement Plan															
	TIP	\$300	\$1,200	\$1,500	\$488	\$1,952	\$2,440	\$0	\$0	\$0	\$11,320	\$45,280	\$56,600	\$12,108	\$48,432	\$60,540
III-C	Cvl Rgts. Cmp./Otr .Reg. Reqs.															
1	Title VI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Environmental Justice	\$0	\$0	\$0	\$160	\$640	\$800	\$0	\$0	\$0	\$2,692	\$10,768	\$13,460	\$2,852	\$11,408	\$14,260
3	Minority Business Enterprise	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Planning for the Elderly & Disabled	\$0	\$0	\$0	\$64	\$256	\$320	\$0	\$0	\$0	\$0	\$0	\$0	\$64	\$256	\$320
5	Safety/Drug Control Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Public Involvement	\$0	\$0	\$0	\$486	\$1,944	\$2,430	\$0	\$0	\$0	\$13,000	\$52,000	\$65,000	\$13,486	\$53,944	\$67,430
7	Private Sector Participation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-D	Incidental Plng./Project Dev.															
1	Transportation Enhancement Plng.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Enviro. Analysis & Pre-TIP Plng.	\$0	\$0	\$0	\$96	\$384	\$480	\$0	\$0	\$0	\$1,089	\$4,356	\$5,445	\$1,185	\$4,740	\$5,925
3	Special Studies	\$0	\$0	\$0	\$954	\$3,816	\$4,770	\$5,000	\$20,000	\$25,000	\$81,300	\$325,200	\$406,500	\$87,254	\$349,016	\$436,270
4	Regional or Statewide Planning	\$351	\$1,403	\$1,754	\$0	\$0	\$0	\$8,800	\$35,200	\$44,000	\$5,085	\$20,340	\$25,425	\$14,236	\$56,943	\$71,179
III-E	Management & Operations															
1	Management & Operations	\$3,000	\$12,000	\$15,000	\$2,472	\$9,890	\$12,362	\$0	\$0	\$0	\$75,290	\$301,159	\$376,449	\$80,762	\$323,049	\$403,811
	Totals	\$17,351	\$69,403	\$86,754	\$6,634	\$26,538	\$33,172	\$13,800	\$55,200	\$69,000	\$473,459	\$1,893,835	\$2,367,294	\$511,244	\$2,044,976	\$2,556,220

**Durham-Chapel Hill-Carrboro Urban Area
FY 2011-2012 Unified Planning Work Program
Funding Distribution by Agency Funding Sources**

TCC 4/27/2011 Attachment 6A

**FHWA Planning Funds
MPO PL & STP-DA Total**

	Task Description	STP-DA Section 133(b)(3)(7)			PL Section 104(f)			TOTAL PL & STP-DA		
		Local	FHWA	Total	Local	FHWA	Total	Local	FHWA	Total
		20%	80%	100%	20%	80%	100%	20%	80%	100%
II-A	Surveillance of Change									
1	Traffic Volume Counts	3,525	14,100	17,625	728	2,912	3,640	4,253	17,012	21,265
2	Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0
3	Street System Changes	0	0	0	0	0	0	0	0	0
4	Traffic Accidents	650	2,600	3,250	58	232	290	708	2,832	3,540
5	Transit System Data	0	0	0	0	0	0	0	0	0
6	Dwelling Unit, Pop. & Emp. Change	0	0	0	12,064	48,256	60,320	12,064	48,256	60,320
7	Air Travel	0	0	0	400	1,600	2,000	400	1,600	2,000
8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0
9	Travel Time Studies	0	0	0	7,128	28,512	35,640	7,128	28,512	35,640
10	Mapping	14,880	59,520	74,400	6,942	27,768	34,710	21,822	87,288	109,110
11	Central Area Parking Inventory	952	3,808	4,760	0	0	0	952	3,808	4,760
12	Bike & Ped. Facilities Inventory	1,000	4,000	5,000	652	2,608	3,260	1,652	6,608	8,260
13	Bike & Ped. Counts	10,000	40,000	50,000	760	3,040	3,800	10,760	43,040	53,800
II-B	Long Range Transp. Plan									
1	Collection of Base Year Data	0	0	0	0	0	0	0	0	0
2	Collection of Network Data	0	0	0	64	256	320	64	256	320
3	Travel Model Updates	63,356	253,424	316,780	0	0	0	63,356	253,424	316,780
4	Travel Surveys	0	0	0	0	0	0	0	0	0
5	Forecast of Data to Horizon year	0	0	0	17,100	68,400	85,500	17,100	68,400	85,500
6	Community Goals & Objectives	0	0	0	2,550	10,200	12,750	2,550	10,200	12,750
7	Forecast of Future Travel Patterns	3,486	13,944	17,430	600	2,400	3,000	4,086	16,344	20,430
8	Capacity Deficiency Analysis	9,200	36,800	46,000	600	2,400	3,000	9,800	39,200	49,000
9	Highway Element of th LRTP	1,120	4,480	5,600	300	1,200	1,500	1,420	5,680	7,100
10	Transit Element of the LRTP	1,760	7,040	8,800	0	0	0	1,760	7,040	8,800
11	Bicycle & Ped. Element of the LRTP	12,800	51,200	64,000	1,400	5,600	7,000	14,200	56,800	71,000
12	Airport/Air Travel Element of LRTP	0	0	0	0	0	0	0	0	0
13	Collector Street Element of LRTP	1,000	4,000	5,000	0	0	0	1,000	4,000	5,000
14	Rail, Water or other mode of LRTP	0	0	0	0	0	0	0	0	0
15	Freight Movement/Mobility Planning	3,600	14,400	18,000	0	0	0	3,600	14,400	18,000
16	Financial Planning	2,500	10,000	12,500	2,000	8,000	10,000	4,500	18,000	22,500
17	Congestion Management Strategies	102,130	408,520	510,650	1,256	5,024	6,280	103,386	413,544	516,930
18	Air Qual. Planning/Conformity Anal.	0	0	0	3,378	13,512	16,890	3,378	13,512	16,890
II-C	Short Range Transit Planning									
1	Short Range Transit Planning	0	0	0	224	896	1,120	224	896	1,120
III-A	Planning Work Program									
	Planning Work Program	0	0	0	9,134	36,536	45,670	9,134	36,536	45,670
III-B	Transp. Improvement Plan									
	TIP	0	0	0	12,108	48,432	60,540	12,108	48,432	60,540
III-C	Cvl Rgts. Cmp./Otr .Reg. Req.									
1	Title VI	0	0	0	0	0	0	0	0	0
2	Environmental Justice	2,692	10,768	13,460	160	640	800	2,852	11,408	14,260
3	Minority Business Enterprise	0	0	0	0	0	0	0	0	0
4	Planning for the Elderly & Disabled	0	0	0	64	256	320	64	256	320
5	Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0
6	Public Involvement	13,000	52,000	65,000	486	1,944	2,430	13,486	53,944	67,430
7	Private Sector Participation	0	0	0	0	0	0	0	0	0
III-D	Incidental Plng./Project Dev.									
1	Transportation Enhancement Plng.	0	0	0	0	0	0	0	0	0
2	Enviro. Analysis & Pre-TIP Plng.	1,089	4,356	5,445	96	384	480	1,185	4,740	5,925
3	Special Studies	76,300	305,200	381,500	10,954	43,816	54,770	87,254	349,016	436,270
4	Regional or Statewide Planning	13,885	55,540	69,425	351	1,403	1,754	14,236	56,943	71,179
III-E	Management & Operations									
1	Management & Operations	58,291	233,165	291,456	22,471	89,884	112,355	80,762	323,049	403,811
	Totals	397,216	1,588,865	1,986,081	114,028	456,111	570,139	511,244	2,044,976	2,556,220

TCC 4/27/2011 Attachment 6A

**Durham-Chapel Hill-Carrboro
Metropolitan Planning Organization
FY 2011-2012 Unified Planning Work Program**

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 determine whether previous projections are still valid or whether plan assumptions need to be changed. Surveillance of Change tasks are described in the following sections and agency responsibilities are summarized. Also, expected work products/deliverables and proposed schedule/accomplishment dates are provided as well.

Task II-A-1: Traffic Volume Counts

Perform automatic traffic counts and turning movement counts at specified locations. Maintain ADT counts and database for model calibration on arterial, minor arterial, and collector streets. The MPO will continue traffic counts data collection at specific locations. 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 obtaining 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 TELUDE GIS warehouse and Safety and Freight planning.

Task II-A-4: Traffic Accidents

The DCHC MPO will collect traffic accident data and prepare summary and analysis of high accident locations. Compare data analysis to previous years' results. Build off of and support the safety work of the NCDOT and MPO municipal governments. The task will feed into the MPO Congestion Management Systems (CMS) and the Mobility Report Card, MPO MTIP ranking and project prioritization, etc. This task would include

Task II-A-5: Transit System Data

Short range transit planning efforts will be conducted by the MPO transit providers, the Durham Area Transit Authority (DATA), Chapel Hill Transit (CHT), and the Triangle Transit Authority (TTA). This will include a short range transit services plan to evaluate transit service performance, development of cross-town route(s), develop universities/college route(s) and consolidate and develop bus stop 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 reporting requirements

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 the 2035 LRTP, the SE data for the 2035 LRTP update, land-use model

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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 first phase of GIS Automation/Integration and Management System.

Task II-A-7: Air Travel

The MPO will collect travel and passenger data at the Raleigh-Durham International Airport (RDU): Data to be collected and analyzed include but not limited to number of daily flights, number of daily enplaned passengers, and number of deplaned passengers, ground transportation, and tons of cargo activities. This purpose of the data collection and monitoring is to determine the influence of Raleigh-Durham International Airport (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 conduct travel-time runs on selected links during peak period to provide accurate inputs for applications such as the travel model update and the CMS.

Task II-A-10: Mapping

This task will include but not limited to mapping of and updates to UPWP transportation planning activities such as the CMS, traffic counts, bicycle and pedestrian counts and inventory, transit routes, land use, traffic analysis zones, socio-economic and demographic trends, and environmental factors. The proposed data and GIS automation/integration will serve as a platform for maintaining and updating of data in GIS format.

Task II-A-11: Central Area Parking Inventory

The MPO will collect, 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.

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

The MPO will conduct inventory of bicycle and pedestrian facilities as part of the CMP. The proposed inventory will to 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.

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Task II-A-13: Bicycle and Pedestrian Counts

An inventory of bicycle and pedestrian counts will be conducted as part of the CMS/Mobility Report Card. The proposed inventory will guide pedestrian improvement planning, and to support specific projects, such as the Comprehensive Bicycle Plan and Comprehensive Pedestrian Plan

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, adhere 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 2040 LRTP air quality and the Comprehensive Transportation Plan as well as commence data collection for the 2010 model base year.

Task II-B-2: Collection of Network Data

The MPO will collect transportation network data necessary to build the 2011 base year TRM network. The proposed work activities will include collection of the following transportation network variables and attributes:

A-Highways: 1) posted speed limit; 2) number of lanes; 3) segment length; 4) turn pockets; 5) parking conditions; 6) traffic signal locations and stop conditions; 7) signal density; 8). access control and driveway conditions; 9) land use and area type; and 10) 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

This task essentially involves the update and calibration and validation for the model to support the development of the 2040 LRTP. Update of the Triangle Regional Model (TRM) including improvements, enhancements and major updates. Proposed tasks include model sub-area enhancement, other improvements identified during the development of the 2035 LRTP, such capacities revision, parking enhancement, performance measures automation, peak hour highway and transit demand forecasts, non-motorized trip incorporation, etc. The MPO will continue work on the development of the Land-use/transportation model

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integration and the non-motorized trip model. The MPO will carry out other tasks needed to support the Triangle Regional Model updates, including providing the MPO's share of the Service Bureau funding and 50% FTE.

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

The LPA will project base year demographic and socio-economic data-1 into plan horizon year and air quality intermediate years (LRTP horizon year is 2040 and intermediate years for air quality analyses are 2010, 2011, 2017, 2020 2025, 2030, 2035). Forecasts will be generated for County control totals and traffic analysis zones. Forecasts will be made consistent with local land use plans and in corporation with local Planning departments.

Task II-B-6: Community Goals and Objectives

The MPO will re-evaluate community goals and objectives for the 2040 Long range Transportation Plan (LRTP) and the Comprehensive Transportation Plan (CTP). The process of formulating and re-evaluating goals will begin with visioning exercise. The MPO will conduct public meetings to assess community vision in terms of transportation, land use, growth, quality of life, etc. The expected work products will be adopted goals and objectives, and targets and policy framework for achieving goals.

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 conduct a capacity deficiency analysis as part of the 2040 LRTP and CMP. The analysis will be made to determine existing and existing-plus-committed deficiencies. Volume-to-capacity ration maps will be produced for the 2010 base year, E+C year, and other LRTP and CTP years. 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 2035 LRTP. Performance measures will be established for evaluating highway alternatives.

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

The MPO will continue with the evaluation of transit elements of the Comprehensive Transportation Plan and the 2035 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.

The MPO will continue the work of the Special Transit Advisory Commission related to the development of the regional transit plan. 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-Smart 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 2035 LRTP. 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.

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

The MPO will continue with the evaluation of Airport/air travel element of the 2035 LRTP, including inter-modal connection and access/ground transportation.

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

The MPO will continuation of the development of an MPO wide Collector Street Plan and circulation study. This is envisioned to involve the identification of future collector street connectivity needs, provisions for local street connectivity, development ordinance implementation provisions, additional local government consultation, and public involvement.

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.

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Task II-B-16: Financial Planning

The MPO, on an as-needed basis, will examine financial options for funding proposed transportation projects and programs, including review the financial planning assumptions/projections in the 2030 LRTP and refinement of cost estimates as necessary. The Lead Planning Agency (LPA) will participate in regional efforts geared toward identifying new and alternative funding sources, including new taxing strategies, impact fees, and public-private partnerships.

Task II-B-17: Congestion Management Systems Strategies

The MPO will work to implement and monitor the Congestion Management System (CMS) in accordance with the provisions of 23 U.S.C. and 23 CFR. Specifically, the MPO will continue on the update and monitoring of CMS 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 in 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.

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

Administer the FY 2009-2010 UPWP and prepare and process amendments as needed. Evaluate transportation planning work needs and emphasis areas and prepare the FY 2010-2011 UPWP. To prepare and continually maintain a Unified Planning Work Program (UPWP) that describes all transportation and transportation-related planning activities anticipated within the DCHC MPO planning area for the FY 2009-2010. 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.

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Task III-B: Transportation Improvement Program (TIP)

Amend FY 2009-2015 MTIP as needed. Commence work on the development of the 2011 – 2017 TIP Regional Priority List. 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 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-2: Environmental Justice (EJ)

In accordance with Federal Action (Executive Order 12898), the 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 Justices 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

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Task III-C-3: Minority Business Enterprise

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

Task III-C-4: Planning for the Elderly & Disabled

The MPO will continue to emphasize planning and provision of transportation facilities and services for 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 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. 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.

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 & 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 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 NC 54/I40 corridor and sub-area study, ITS deployment plan update and the continuation of the Farrington/Stagecoach Road study, MPO collector street plan, GIS warehouse and automation, MPO parking study, etc.

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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

This work element encompasses the administration and support of the 3-C 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. 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. Proposed tasks include but 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. 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.
3. Provide technical assistance to the Transportation Advisory Committee (TAC) and other member jurisdictions policy bodies.
4. 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.
5. Review and comment on federal and state transportation-related plans, programs, regulations and guidelines.
6. Prepare and distribute TAC and TCC meeting agendas Attend TAC, TCC and other meetings associated with MPO planning activities.

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	1	2	3	4	5
FY	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Period	2011-12	2012-13	2013-14	2014-15	2015-16
	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016
1	Surveillance of Change/ Data monitoring	Surveillance of Change/ Data monitoring	Surveillance of Change/ Data monitoring	Surveillance of Change/ Data monitoring	Surveillance of Change/ Data monitoring
1.1	ADT count and TMC annual and seasonal	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
2	Unified Planning Work Program (UPWP)	Unified Planning Work Program (UPWP)	Unified Planning Work Program (UPWP)	Unified Planning Work Program (UPWP)	Unified Planning Work Program (UPWP)
2.1	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 2012 UPWP	Develop FY 2013 UPWP	Develop FY 2014 UPWP	Develop FY 2015 UPWP	Develop FY 2016 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

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	1	2	3	4	5
FY	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Period	2011-12	2012-13	2013-14	2014-15	2015-16
	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016
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
3	Long-Range Transportation Plan (LRTP)	Long-Range Transportation Plan (LRTP)	Long-Range Transportation Plan (LRTP)	Long-Range Transportation Plan (LRTP)	Long-Range Transportation Plan (LRTP)
3.1	Land-use Scenario analysis	Approval of the 2040 LRTP for AQ analysis and conformity	Amendment of the 2040 LRTP for AQ analysis and conformity as necessary	Goals, Objectives and targets for 2045 LRTP	Approval of the 2045 LRTP for AQ analysis and conformity
3.2	Deficiency Analysis	CTP components-Highway, transit, bicycle and pedestrian vision plans	Model Update for 2045 LRTP analysis	SE data collection and Forecasts for 2045 LRTP	CTP components-Highway, transit, bicycle and pedestrian vision plans
3.3	Alternative analysis	AQ analysis and conformity determination process	Inter-Agency Consultation process	Deficiency analysis and need assessment	AQ analysis and conformity determination process
3.4	Development of Preferred Option	Inter-Agency Consultation process	CTP update	Generation of alternatives and evaluation of alternatives	Inter-Agency Consultation process
3.5		Draft LRTP AQ Conformity Jan 2013 & approval in March 2013	Land-use Scenario analysis	Land-use Scenario analysis	
3.6			2045 LRTP Visioning process	Financial analysis	
3.7		2040 LRTP conformity deadline June 15 2013		Selection of Preferred options	
3.8					
3.9					
3.10					

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	1	2	3	4	5
FY	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Period	2011-12	2012-13	2013-14	2014-15	2015-16
	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016
4	Travel Demand Model Development and Update	Travel Demand Model Development and Update	Travel Demand Model Development and Update	Travel Demand Model Development and Update	Travel Demand Model Development and Update
4.1	On-going model maintenance and enhancement activities	On-going model maintenance and enhancement activities	On-going model maintenance and enhancement activities	On-going model maintenance and enhancement activities	On-going model maintenance and enhancement activities
4.2	Collection of 2010 base year survey data, Census, ACS augment, onboard transit, commercial vehicle, etc	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
4.3	2010 Census TAZ Delineation	Collection & development of 2013 networks			
4.4	Re-specification of the the model TRM V6	Socio-economic and demographic data collection and forecasts			
4.5					
4.6					
4.7		2013 base year model calibration and validation			
5	Bicycle & Pedestrian Planning	Bicycle & Pedestrian Planning	Bicycle & Pedestrian Planning	Bicycle & Pedestrian Planning	Bicycle & Pedestrian Planning
5.1	On-going bike and pedestrian advocacy	On-going bike and pedestrian advocacy	On-going bike and pedestrian advocacy	On-going bike and pedestrian advocacy	
5.2	Update of the Comprehensive Bicycle Plan. Update of the Regional Bike Plan		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 pedestrian plans
5.3			On-going bike-pedestrian programs monitoring of strategies & effectiveness	On-going bike-pedestrian programs monitoring of strategies & effectiveness	On-going bike-pedestrian programs monitoring of strategies & effectiveness

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	1	2	3	4	5
FY	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Period	2011-12	2012-13	2013-14	2014-15	2015-16
	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016
6	Short-Range Transit Plan	Short-Range Transit Plan	Short-Range Transit Plan	Short-Range Transit Plan	Short-Range Transit Plan
6.1	On-going transit planning process	On-going transit planning process	On-going transit planning process	On-going transit planning process	On-going transit planning process
6.2	Transit Development Plan (TDP) DATA	Transit Development Plan (TDP) TTA		Transit Development Plan (TDP) CHT & TTA	Transit survey
7	Congestion Management Process (CMS/CMP)	Congestion Management Process (CMS/CMP)	Congestion Management Process (CMS/CMP)	Congestion Management Process (CMS/CMP)	Congestion Management Process (CMS/CMP)
7.1					
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		Establishment of Area of application & reevaluation of definition of congestion
7.4	Transportation system definition (modes & networks)		Transportation system definition (modes & networks)		Transportation system definition (modes & networks)
7.5	Transportation system definition (modes & networks)		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
7.7	Develop Performance monitoring Plan		Develop Performance monitoring Plan		Develop Performance monitoring Plan
7.8	Identification and evaluation of strategies.		Identification and evaluation of strategies.		Identification and evaluation of strategies.
7.9	Action plan for monitoring effectiveness of strategies		Action plan for monitoring effectiveness of strategies		Action plan for monitoring effectiveness of strategies

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	1	2	3	4	5
FY	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Period	2011-12	2012-13	2013-14	2014-15	2015-16
	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016
7.10	Public comment and adoption of the MPO CMS		Public comment and adoption of the MPO CMS		Public comment and adoption of the MPO CMS
8	TIP	TIP	TIP	TIP	TIP
			Develop final draft 2013-2019 MTIP. TIP conformity determination		Develop final draft 2015-2021 MTIP. TIP conformity determination
	Reconcile 2011-17 MTIP and STIP		TAC Approves 2013-2019 MTIP		TAC Approves 2015-2021 MTIP
	TAC Approves 2011-2017 MTIP	Update TIP ranking & project prioritization methodology as necessary	BOT Approves 2013-2019 STIP	Update TIP ranking & project prioritization methodology as necessary	BOT Approves 2015-2021 STIP
	BOT Approves 2011-2017 STIP	Develop & submit TIP Project Priority List for 2013-2019 TIP		Develop & submit TIP Project Priority List for 2015-2021 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	Process MTIP amendments as needed	
	Annual TIP project Listing	Annual TIP project Listing	Annual TIP project Listing	Annual TIP project Listing	

**DCHC MPO 5-Year Unified Planning Work Program
July 1, 2011 to June 30, 2016**

	1	2	3	4	5
FY	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Period	2011-12	2012-13	2013-14	2014-15	2015-16
	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016
9	Title VI/Civil Rights/EJ	Title VI/Civil Rights/EJ	Title VI/Civil Rights/EJ	Title VI/Civil Rights/EJ	Title VI/Civil Rights/EJ
	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
10	Public Involvement/Participation Plan (PIP/PPP)	Public Involvement/Participation Plan (PIP/PPP)	Public Involvement/Participation Plan (PIP/PPP)	Public Involvement/Participation Plan (PIP/PPP)	Public Involvement/Participation Plan (PIP/PPP)
	Review and evaluate effectiveness of MPO Public Involvement Process	Review and evaluate effectiveness of MPO Public Involvement Process	Review and evaluate effectiveness of MPO Public Involvement Process	Review and evaluate effectiveness of MPO Public Involvement Process	Review and evaluate effectiveness of MPO Public Involvement Process
		Social media in mpo public outreach and input process	Social media in mpo public outreach and input process	Social media in mpo public outreach and input process	Social media in mpo public outreach and input process
	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

**DCHC MPO 5-Year Unified Planning Work Program
July 1, 2011 to June 30, 2016**

	1	2	3	4	5
FY	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Period	2011-12	2012-13	2013-14	2014-15	2015-16
	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016
11	Project Development & Incidental Planning	Project Development & Incidental Planning	Project Development & Incidental Planning	Project Development & Incidental Planning	Project Development & Incidental Planning
	Participation in project development, environmental analysis, NEAP process	Participation in project development, environmental analysis, NEAP process	Participation in project development, environmental analysis, NEAP process	Participation in project development, environmental analysis, NEAP process	Participation in project development, environmental analysis, NEAP process
	Northern Durham Parkway/US 70 NEAP study	Northern Durham Parkway/US 70 NEAP study	Pre-TIP project planning and coordination	Pre-TIP project planning and coordination	Pre-TIP project planning and coordination
12	Land-use & Transportation integration	Land-use & Transportation integration	Land-use & Transportation integration	Land-use & Transportation integration	Land-use & Transportation integration
	Community Viz and UrbanSim implementation and update	Community Viz and UrbanSim implementation and update	Community Viz and UrbanSim implementation and update	Community Viz and UrbanSim implementation and update	Community Viz and UrbanSim implementation and update
	Monitoring of land use development and consistency check with SE forecasts	Monitoring of land use development and consistency check with SE forecasts	Monitoring of land use development and consistency check with SE forecasts	Monitoring of land use development and consistency check with SE forecasts	
13	Intelligent Transportation System Planning	Intelligent Transportation System Planning	Intelligent Transportation System Planning	Intelligent Transportation System Planning	Intelligent Transportation System Planning
	Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance	Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance	Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance	Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance	Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance
	ITS planning, operation and monitoring	ITS planning, operation and monitoring	ITS planning, operation and monitoring	ITS planning, operation and monitoring	ITS planning, operation and monitoring
14	Safety Planning	Safety Planning	Safety Planning	Safety Planning	Safety Planning
	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.

**DCHC MPO 5-Year Unified Planning Work Program
July 1, 2011 to June 30, 2016**

	1	2	3	4	5
FY	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Period	2011-12	2012-13	2013-14	2014-15	2015-16
	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016
	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process
15	Freight Planning	Freight Planning	Freight Planning	Freight Planning	Freight Planning
	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
16	Transportation System Preservation	Transportation System Preservation	Transportation System Preservation	Transportation System Preservation	Transportation System Preservation
	Transportation System Preservation planning and operation	Transportation System Preservation planning and operation	Transportation System Preservation planning and operation	Transportation System Preservation planning and operation	Transportation System Preservation planning and operation
	TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation	TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation	TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation	TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation	TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation
17	GIS Development	GIS Development	GIS Development	GIS Development	GIS Development
	<i>Maintain Databases</i>	<i>Maintain Databases</i>	<i>Maintain Databases</i>	<i>Maintain Databases</i>	<i>Maintain Databases</i>
	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
	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

**DCHC MPO 5-Year Unified Planning Work Program
July 1, 2011 to June 30, 2016**

	1	2	3	4	5
FY	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016
Period	2011-12	2012-13	2013-14	2014-15	2015-16
	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015	July 1, 2015-June 30, 2016
	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
	<i>Update green print maps</i>	<i>Update green print maps</i>	<i>Update green print maps</i>	<i>Update green print maps</i>	<i>Update green print maps</i>
	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	Management and Operations	Management and Operations	Management and Operations	Management and Operations	Management and Operations
	Management and Operations of the MPO 3-C process	Management and Operations of the MPO 3-C process	Management and Operations of the MPO 3-C process	Management and Operations of the MPO 3-C process	Management and Operations of the MPO 3-C process
	TAC directives	TAC directives	TAC directives	TAC directives	TAC directives
19	Special Studies/State & Regional Planning	Special Studies/State & Regional Planning	Special Studies/State & Regional Planning	Special Studies/State & Regional Planning	Special Studies/State & Regional Planning
	NC 54 Studies	Parking survey/Study	As Needed	As Needed	As needed

Appendices A

***Federal Highway
Administration (FHWA) &
Federal Transit Administration
(FTA)***

Agency Project Narratives

&

Funding Tables

**Durham-Chapel Hill-Carrboro Urban Area
FY 2011-2012 Unified Planning Work Program
Funding Distribution by Agency Funding Sources**

TCC 4/27/2011 Attachment 6A

City of Durham / LPA

	Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local	NCDOT	Federal	Total
II A	Surveillance of Change														
	1 Traffic Volume Counts	\$3,525	\$14,100	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,525	\$0	\$14,100	\$17,625
	2 Vehicle Miles of Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	3 Street System Changes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	4 Traffic Accidents	\$650	\$2,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$650	\$0	\$2,600	\$3,250
	5 Transit System Data	\$0	\$0	\$0	\$0	\$8,819	\$8,819	\$70,549	\$1,486	\$1,486	\$11,890	\$10,305	\$10,305	\$82,438	\$103,048
	6 Dwelling Unit, Pop. & Emp. Change	\$0	\$0	\$11,400	\$45,600	\$0	\$0	\$0	\$0	\$0	\$0	\$11,400	\$0	\$45,600	\$57,000
	7 Air Travel	\$0	\$0	\$400	\$1,600	\$0	\$0	\$0	\$0	\$0	\$0	\$400	\$0	\$1,600	\$2,000
	8 Vehicle Occupancy Rates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	9 Travel Time Studies	\$0	\$0	\$7,000	\$28,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000	\$0	\$28,000	\$35,000
	10 Mapping	\$14,880	\$59,520	\$4,600	\$18,400	\$0	\$0	\$0	\$0	\$0	\$0	\$19,480	\$0	\$77,920	\$97,400
	11 Central Area Parking Inventory	\$952	\$3,808	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$952	\$0	\$3,808	\$4,760
	12 Bike & Ped. Facilities Inventory	\$1,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$4,000	\$5,000
	13 Bike & Ped. Counts	\$10,000	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0	\$40,000	\$50,000
II B	Long Range Transp. Plan														
	1 Collection of Base Year Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2 Collection of Network Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	3 Travel Model Updates	\$63,356	\$253,424	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$63,356	\$0	\$253,424	\$316,780
	4 Travel Surveys	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	5 Forecast of Data to Horizon year	\$0	\$0	\$13,000	\$52,000	\$0	\$0	\$0	\$0	\$0	\$0	\$13,000	\$0	\$52,000	\$65,000
	6 Community Goals & Objectives	\$0	\$0	\$2,498	\$9,992	\$0	\$0	\$0	\$0	\$0	\$0	\$2,498	\$0	\$9,992	\$12,490
	7 Forecast of Future Travel Patterns	\$3,486	\$13,944	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,486	\$0	\$13,944	\$17,430
	8 Capacity Deficiency Analysis	\$9,200	\$36,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,200	\$0	\$36,800	\$46,000
	9 Highway Element of th LRTP	\$1,120	\$4,480	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,120	\$0	\$4,480	\$5,600
	10 Transit Element of the LRTP	\$1,760	\$7,040	\$0	\$0	\$0	\$0	\$0	\$1,076	\$1,076	\$8,610	\$2,836	\$1,076	\$15,650	\$19,562
	11 Bicycle & Ped. Element of the LRTP	\$12,800	\$51,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,800	\$0	\$51,200	\$64,000
	12 Airport/Air Travel Element of LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	13 Collector Street Element of LRTP	\$1,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$4,000	\$5,000
	14 Rail, Water or other mode of LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	15 Freight Movement/Mobility Planning	\$3,600	\$14,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,600	\$0	\$14,400	\$18,000
	16 Financial Planning	\$2,500	\$10,000	\$1,000	\$4,000	\$0	\$0	\$0	\$6,334	\$6,334	\$50,674	\$9,834	\$6,334	\$64,674	\$80,842
	17 Congestion Management Strategies	\$102,130	\$408,520	\$0	\$0	\$0	\$0	\$0	\$2,145	\$2,145	\$17,160	\$104,275	\$2,145	\$425,680	\$532,100
	18 Air Qual. Planning/Conformity Anal.	\$0	\$0	\$3,378	\$13,512	\$0	\$0	\$0	\$0	\$0	\$0	\$3,378	\$0	\$13,512	\$16,890
II C	Short Range Transit Planning														
	1 Short Range Transit Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,625	\$9,625	\$77,000	\$9,625	\$9,625	\$77,000	\$96,250
III-A	Planning Work Program														
	Planning Work Program	\$0	\$0	\$8,448	\$33,792	\$3,238	\$3,238	\$25,906	\$0	\$0	\$0	\$11,686	\$3,238	\$59,698	\$74,623
III-B	Transp. Improvement Plan														
	TIP	\$0	\$0	\$11,320	\$45,280	\$259	\$259	\$2,075	\$0	\$0	\$0	\$11,579	\$259	\$47,355	\$59,194
III-C	Cvl Rgts. Cmp./Otr .Reg. Reqs.														
	1 Title VI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2 Environmental Justice	\$2,692	\$10,768	\$0	\$0	\$0	\$0	\$0	\$664	\$664	\$5,310	\$3,356	\$664	\$16,078	\$20,097
	3 Minority Business Enterprise	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	4 Planning for the Elderly & Disabled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	5 Safety/Drug Control Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	6 Public Involvement	\$13,000	\$52,000	\$0	\$0	\$1,682	\$1,682	\$13,458	\$8,148	\$8,148	\$65,180	\$22,830	\$9,830	\$130,638	\$163,297
	7 Private Sector Participation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-D	Incidental Plng./Project Dev.														
	1 Transportation Enhancement Plng.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2 Enviro. Analysis & Pre-TIP Plng.	\$1,089	\$4,356	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,089	\$0	\$4,356	\$5,445
	3 Special Studies	\$71,300	\$285,200	\$10,000	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$81,300	\$0	\$325,200	\$406,500
	4 Regional or Statewide Planning	\$5,085	\$20,340	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,085	\$0	\$20,340	\$25,425
III-E	Management & Operations														
	1 Management & Operations	\$58,291	\$233,165	\$16,999	\$67,994	\$0	\$0	\$0	\$34,238	\$34,238	\$273,902	\$109,528	\$34,238	\$575,061	\$718,826
	Totals	\$383,416	\$1,533,665	\$90,043	\$360,170	\$13,999	\$13,999	\$111,986	\$63,716	\$63,716	\$509,724	\$551,173	\$77,714	\$2,515,547	\$3,144,434

TASK DESCRIPTIONS & NARRATIVES

FY 2011-2012 UPWP

Task 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 determine whether previous projections are still valid or whether plan assumptions need to be changed. Surveillance of Change tasks are described in the following sections and agency responsibilities are summarized.

Task II-A-1: Traffic Volume Counts

The MPO will continue traffic counts data collection at specific locations. 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 obtaining 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).

Traffic counts are vital and important in various studies, projects and model validation. NCDOT count program is insufficient and inadequate in meeting demands for counts. Thus the MPO count program which will augment NCDOT counts with the MPO ADT, TMC, classification and seasonal counts will provide timely data for various on-going and special emphasis projects and studies. The LPA plans to take approximately 120 traffic counts and 350 turning movement counts at locations that will be representative of the street system as a whole. The traffic volume counts will be at 15-minute intervals, bi-directional, and collected for a minimum of 48 hours so they can be used to determine peak hour spreading.

Objectives:

1. Maintain update and recent traffic counts within the MPO,
2. Have consistent traffic count for various MPO analyses, development reviews, studies and projects,
3. Maintain accurate count for monitoring traffic congestion and evaluating mitigation;
4. Maintain data to evaluate impact of season traffic around universities and other major generators;
5. Collect data for model validation
6. Collect count data for freight
7. Collect count to fed into MPO count program
8. To collect traffic counts and turning movements throughout the planning area; and,
9. To monitor traffic growth and provide continuous updates.

Previous Work:

1. 2009 traffic counts collected as part of the Surveillance of Change and studies (traffic, corridor, project planning, etc);
2. Turning movement counts 2009;

CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP

3. Screen line counts for the 2005 TRM update;
4. ADT counts, 2008-2009;
5. NCDOT triennial counts and ADT maps;
6. Updated the DCHC traffic count library by supplementing the NCDOT count locations in the region and performing traffic counts for communities on a limited request basis;
7. Update and maintain the DCHC traffic count database; and
8. Continue to expand the DCHC traffic count database to include the hourly breakdown of traffic counts.

Proposed Activities:

1. Collect 48-hour traffic count for surveillance of change;
2. Collect turning movement counts;
3. Develop the DCHC traffic count library by supplementing the NCDOT count locations within the metropolitan area;
4. Develop MPO Count database/GIS and mapping; and,
5. Conduct four monthly traffic counts to collect seasonal traffic information which will assist in the development of adjustment factors and growth rates.

Products/Deliverables:

1. 2010-2011 ADT count, Turning Movement Counts (TMC) and classification counts
2. Summary reports of daily traffic count information for the MPO;
3. Compilation of peak period turning movement counts; and,
4. Seasonal adjustment factors and growth rates specific to the DCHC region.

Completion Date:

On-going/June 2011. Traffic counts for CMS will be conducted during fall of 2005 and spring of 2006. Seasonal counts will be conducted during the 1st, 2nd, 3rd, and 4th quarters

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

Tasks will largely be undertaken with interns and temporary staffing. MPO staff will oversee project, provide project management and review work products. Traffic counts will be conducted when schools are in session. Anticipated completion date is June 2011.

II-A-1 - Traffic Volume Counts							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 14,100	\$ 3,525	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,625

Funding Commitments from Other Entities:

The cost of bi-annual ADT counts within the MPO is borne by NCDOT. University of North Carolina (UNC) will provide traffic counts within the university.

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TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP

Task II-A-4: Traffic Accidents

The DCHC MPO will collect traffic accident data and prepare summary and analysis of high accident locations. Traffic accident data will be generated from NCDOT Traffic Engineering Accident Analysis System (TEAAS). Accidents information to be collected from TEAAS include but not limited to: number of accidents, accidents per capita, accident for ADT range, accidents and historic accidents, accidents at intersections, segments, citywide, countywide, etc. Data will be compared to previous years' results. This task will build from and support the safety work of the NCDOT and MPO municipal governments. The task will feed into the MPO Congestion Management Systems (CMS), Safety Plan development, safety and security planning and the Mobility Report Card.

Objectives:

1. To improve safety criterion measure, analysis and evaluation for MTIP prioritization, SPOT and LRTP alternatives.
2. To monitor accident trends.
3. Reduce accidents and exposure to accidents
4. To improve the safety of the transportation system; and,
5. To integrate accident analysis into MPO planning activities.

Previous Work:

1. 2007 accident data.
2. Accident data for the NC 54/I40 Corridor Study
3. Accident data analysis for the Metropolitan Transportation Improvement Program (MTIP)
4. Accident data for CMS and Mobility Report Card.

Proposed Activities:

1. Collect traffic accident data from NCDOT's Traffic Engineering Accident;
2. Summarize accident data from Analysis System (TEAAS) program and municipal governments;
3. Prepare a summary and analysis of high accident locations;
4. Compare traffic accident data to previous years; and,
5. Integrate traffic accident analyses into other MPO planning activities.

Products/Deliverables:

1. Historic accidents tables and graphs
2. Summary reports of high accident locations; and,
3. Customized data and analysis information for other MPO planning activities.
4. Surveillance of Change report

**TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

Relationship to Other Plans and MPO Activities:

Traffic accident data will be used in the analysis for the Congestion Management System (CMS), Mobility Report Card, Regional Priority List ranking analysis and project level analyses. Accident information will be used in the MPO safety planning and congestion management process mitigation and monitoring.

Completion Date:

June 2012.

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

Tasks will be undertaken by LPA and municipal staff.

II-A-4 - Traffic Accidents							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 2,600	\$ 650	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,250

Funding Commitments from Other Entities:

NCDOT maintains the TEAAS program that will be used in this task.

DRAFT 2

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

LPA and municipal planning staff will maintain an inventory of dwelling units, population, and employment to determine needed changes in transportation services to meet current and projected demands. Staff will review new developments to assess impacts to the 2035 LRTP, the 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 building permit data, Census data (including American Community Survey and CTPP), local parcel, zoning, tax data records, and InfoUSA, Duns & Bradstreet and Employment Security Commission data as part of this monitoring task. The MPO will continue the first phase of the MPO Data Automation/Integration and Management System - GIS enterprise/warehouse development.

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.

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4. To monitor changes in dwelling units, population, and employment change; and,
5. To provide current data for MPO 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; and,
3. Data Automation/Integration and Management System.

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 Long Range Transportation Plan, the Congestion Management System and Mobility Report Card.

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 LPA and municipal staff.

II-A-6 - Dwelling Unit, Population & Employment Changes							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 45,600	\$ 11,400	\$ -	\$ -	\$ -	\$ 57,000

Funding Commitments from Other Entities: None.

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Task II-A-7: Air Travel

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

II-A-7 - Air Travel

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 1,600	\$ 400	\$ -	\$ -	\$ -	\$ 2,000

Task II-A-9: Travel Time Studies

The MPO will conduct travel-time runs on selected links during peak period to provide accurate inputs for applications such as the travel model update and the Congestion Management Process (CMP).

II-A-9 - Travel Time Studies

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 28,000	\$ 7,000	\$ -	\$ -	\$ -	\$ 35,000

Task II-A-10: Mapping

This task will include but not limited to mapping of and 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, and environmental factors. The proposed data and GIS Automation/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; and,
2. 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

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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 Automation/Integration and Management System to streamline this task.

Products/Deliverables:

1. Maps for various MPO planning activities;
2. Region-wide GIS files; and,
3. Data Automation/Integration and Management System.

Relationship to Other Plans and MPO Activities:

GIS data will be used in many MPO activities such as the Triangle Regional Model, Long Range Transportation Plan, the Congestion Management System, and Mobility Report Card, Functional classification update, TIP Regional Priority List, MTIP development, NCDOT SPOT, MPO climate change/Greenhouse Gas emission planning, and other MPO transportation planning activities.

Completion Date:

GIS data will be compiled on a continual basis. Mapping will be completed as needed for various projects.

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

Tasks will be undertaken by LPA and municipal staff.

II-A-10 - Mapping							Total All Funds
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			
Federal	Local	Federal	Local	Federal	Local	State	
\$ 59,520	\$ 14,880	\$ 18,400	\$ 4,600	\$ -	\$ -	\$ -	\$ 97,400

Funding Commitments from Other Entities: None.

Task II-A-11: Central Area Parking Inventory

The MPO will inventory of on- and off-street parking facilities in the Central Business Districts (CBD) and universities as part of the Congestion Management System and Mobility Report Card. Parking data to be collected include, number of spaces, parking fee rates (hourly daily, and

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monthly), average weekday costs and demand/occupancy. Parking information collected will help in the calibration and maintenance of the travel model.

Objectives:

1. To provide parking information for use in the Triangle Regional Model, Congestion Management Process.
2. Improvement ridership forecasting
3. Parking cost model to improve model mode choice model
4. Provide linkage between CBD parking and Travel Demand Management (TDM)

Previous Work:

2009 parking data collection at Durham and Chapel Hill Central Business Districts and MPO universities.

Proposed Activities:

1. Inventory on- and off-street parking facilities in the Central Business Districts and at universities; and,
2. Integrate and customize parking data for use in MPO planning activities and the Triangle Regional Model.

Products/Deliverables:

1. Database of parking facilities;
2. Region-wide GIS files containing parking data; and,
3. Reports on parking facilities for use in MPO planning activities.

Relationship to Other Plans and MPO Activities:

Parking data will be used in the Triangle Regional Model, the Congestion Management Process and Mobility Report Card.

Completion Date:

This is will be a continual effort as part of data surveillance of change, model improvements and validations and also as part of the required MPO CMP monitoring..

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

Tasks will be undertaken by LPA and municipal staff.

II-A-11 - Central Area Parking Inventory							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 3,808	\$ 952	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,760

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Funding Commitments from Other Entities:

City of Durham and Durham County.

Task II-A-12: Bicycle and Pedestrian Facilities Inventory

The MPO will conduct inventories of bicycle and pedestrian facilities as part of various regional planning activities. The proposed inventory will provide accurate inputs for the travel model update as well as help identify future bicycle and sidewalk project needs, guide bicycle and pedestrian improvement planning, and support specific bike and sidewalks projects. In addition, this work will help Lead Planning Agency staff when processing materials for state/federal grant applications and identifying facility improvement requests.

Objectives:

1. To collect information on existing and proposed bicycle and pedestrian facilities throughout the MPO area;
2. To monitor traffic growth and provide continuous updates on potential bicycle and pedestrian facilities;
3. To monitor NCDOT, MPO and local project work for opportunities for improvements to bicycle and pedestrian facilities, e.g. spot improvements, street resurfacings, etc.; and,
4. To ensure that bicycle and pedestrian facility implementation occurs in compliance with local, state and federal guidelines.

Previous Work:

1. Collected bicycle and pedestrian facility information for CMAQ, TE and STP-DA grant processes;
2. Collected bicycle and pedestrian facility information for planning studies, such as the Old Durham-Chapel Hill Rd Bicycle/Pedestrian Feasibility Study; and,
3. Coordinated with NCDOT and other agencies regarding potential bicycle and pedestrian facility improvements, as incidental or independent projects.

Proposed Activities:

1. To collect digital images of various planned bicycle and pedestrian routes;
2. Collect bicycle and pedestrian facility information for CMAQ, TE and STP-DA grant processes;
3. Collect bicycle and pedestrian facility information for regional planning studies; and,
4. Coordinate with NCDOT and other agencies on potential bicycle and pedestrian facility improvements, as incidental or independent projects.

Products/Deliverables:

Work products will include digital images, maps and other visual representations of facilities, as well as indirect products related to plans, communications, and project applications.

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Relationship to Other Plans and MPO Activities:

The facility inventory will be used for regional planning efforts, grant application processes, and other regionally coordinated activities.

Completion Date:

Facility inventory to be conducted as needed on a year round basis.

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

Tasks will largely be undertaken by regular full-time staff, as needed throughout the year. MPO staff will provide project management and review work products, as related to various regional plans undertaken by the MPO.

II-A-12 - Bike and Pedestrian Facilities Inventory							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 4,000	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000

Funding Commitments from Other Entities: None

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Task II-A-13: Bike & Ped Counts

An inventory of bicycle and pedestrian counts will be conducted as part of the CMP. The proposed inventory will guide bicycle and pedestrian improvement planning, and to support specific projects such as the Comprehensive Bicycle Plan and Comprehensive Pedestrian Plan updates.

Objectives:

1. To collect data on current bicycle and pedestrian facility use; and,
2. To monitor traffic growth and provide continuous updates on bicycle and pedestrian latent demand.

Previous Work:

Collected bicycle and pedestrian facility information for various local and regional projects and planning activities.

Proposed Activities:

1. Collect 48-hour traffic count as part of CMS and Mobility Report Card;
2. Collect turning movement counts as part of the CMS;
3. Develop the DCHC traffic count library by supplementing the NCDOT count locations within the metropolitan area;

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4. Develop MPO Count database/GIS and mapping; and,
5. Conduct four monthly traffic counts to collect seasonal traffic information, which will assist in the development of adjustment factors and growth rates.

Products/Deliverables:

1. Summary reports of daily traffic count information for the MPO;
2. Compilation of peak period turning movement counts; and,
3. Seasonal adjustment factors and growth rates specific to the DCHC region.

Relationship to Other Plans and MPO Activities:

Bicycle and pedestrian count data to be used for model validation, model analysis, CMS, air quality analysis, etc.

Completion Date: On-going.

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

Tasks will largely be undertaken with temporary staffing. The LPA staff will oversee project, provide project management and review work products. Inventory and counts will be conducted when schools are in session. Anticipated completion date is June 2011.

II-A-13 - Bike and Pedestrian Counts							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 40,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,000

Funding Commitments from Other Entities: None

Task 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, adhere 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 2035 LRTP air quality and the Comprehensive Transportation Plan as well as commence data collection for the 2010 model base year.

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Task II-B-3: Travel Model Updates:

Update of the Triangle Regional Model (TRM) including conversion and full implementation of model from Tranplan to TransCad. The LPA modeling staff will continue to work with the TRM Service Bureau at ITRE to ensure that MPO model objectives (link level validation, improved transit ridership forecasts, parking enhancement, improvement of the model sensitivity, enhancement of the model capability in addressing policy questions, etc) are met. Proposed tasks include model improvements and enhancements, work associated with the calibration of the 2005 model, validation of 2010 base year model, commencement of TRM V-6 model development, continuation of the land use model and non-motorized trip models. The MPO will carry out other tasks needed to support the Triangle Regional Model updates, including providing the MPO's share of the Service Bureau funding and 50% FTE.

Objectives:

To ensure that DCHC MPO policymakers and the MPO member agencies have modeling tools at their disposal to support analysis of non-motorized (bicycling and walking) travel impacts of project and policy alternatives. In particular, the model should be sensitive to demographic and land use changes that might increase or decrease the number and location of non-motorized trips, as well as to other factors such as the impact of facility changes and improvements, pricing, university/CDB parking, freight, travel demand management programs, and other factors that have been demonstrated to have an effect on non-motorized travel.

Previous Work:

1. 2002 model calibration and validation
2. Model support for the 2035 LRTP
3. 2005 model update TRM V-4
4. A framework for identifying non-motorized travel has been part of the Triangle Regional Model since its inception; and,
5. The recent model update commissioned by TTA for its New Starts application, and currently being built into the Triangle Regional Model includes trip generation improvements that relate the propensity for non-motorized trips to demographic and land use characteristics.

Proposed Activities:

1. Model development for TRM version 6
2. Incorporation of non-motorized trip model and greater parking sensitivity in the model;
3. Develop a non-motorized trip destination component to complement the work already undertaken on trip generation in time for use in the 2040 LRTP analyses;
4. Develop a work program for the TRM version 6 model development;
5. Model support for the 2040 LRTP;
6. Implement the TRM improvements and travel enhancements, including model implementation parking and park-n-ride components;

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7. Continuation of the Urbanism land use model development.
8. Work on the 2005 TRM update and validation.
9. Work on the model work associated with the regional transit initiatives
10. MPO model enhancements – sub-area analysis, select analysis, LRTP and air quality interface and scripts
11. Performance measures, sensitivity testing and elasticity for 2040 LRTP alternative analysis and NEPA/project development.

Products/Deliverables:

1. Non-motorized modeling extensions for the trip generation and trip distribution steps in the TRM for use in LRTP alternative analysis
2. Additional non-motorized modeling extensions as part of the TRM Major Model Update. These extensions may entail internal modifications to the TRM, as well as new data requirements.
3. MPO model enhancement: sub-area analysis capability, select link analysis, user interface and scripts for LRTP and air quality.
4. Validation of the 2010 model update to be used in the LRTP, CTP and other technical analyses.
5. Statistical analysis of survey results and the development of the major model update intermediate specification and parameters.
6. Performance measures scripts for 2040 alternative analysis and land-use scenario planning.

Relationship to Other Plans and MPO Activities:

Modeling supports various regional and MPO activities such LRTP, MTIP, NEPA/ environmental analyses, project traffic forecasts. Development of model extensions is essential to the development of the LRTP, Air Quality Conformity Determination, and in various special studies.

Completion Date:

1. Non-motorized modeling extensions will be complete along with the TRM update; and,
2. TRM calibration and validation will be done fall of 2010 but improvements and updates will be continual effort.
3. TRM version 6 efforts will commence but calibration and validation work will continue through subsequent years.

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

Work will done largely by MPO modeling staff, TRM Service Bureau and consulting/temporary staffing. Consultants are retained by DCHC MPO for assistance in the development of the non-motorized model components, MPO model enhancements and land use model.

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II-B-3 - Travel Model Updates							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 253,424	\$ 63,356	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 316,780

Funding Commitments from Other Entities:

CAMPO, NCDOT and TTA are participants of the Triangle Regional Model development, update and maintenance. Each participant is contributing funds for the model Service Bureau functions as well as funds for the TRM update.

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

The LPA will project base year demographic and socio-economic data-1 into plan horizon year and air quality intermediate years (LRTP horizon year is 2040 and intermediate years for air quality analyses are 2010, 2011, 2017, 2020 2025, 2030, 2035). Forecasts will be generated for County control totals and traffic analysis zones. Forecasts will be made consistent with local land use plans and in corporation with local Planning departments.

Objectives:

1. To develop regionally consistent forecasts of future year socio-economic data.
2. Develop future forecast for population, dwelling units, households, income, vehicle ownership, university beds, counts, etc

Previous Work:

1. Work has been ongoing by LPA staff, staff at DCHC MPO member agencies, and others throughout 2008-2009 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 2007

Proposed Activities:

1. Continue to work with LPA 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 in local jurisdictions and also at the MPO level; and,
4. Coordinate public review of the future year forecasts and seek formal adoption of the forecasts by the DCHC MPO TAC.

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Products/Deliverables:

1. Forecasts of land use and socio-economic data for use in the 2040 LRTP; 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 LRTP and for all land use and transportation modeling activities.

Completion Date:

1. Forecasts for use in developing the 2040 LRTP are anticipated to be adopted by the TAC in fall 2010 or spring of 2011.

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

Work will largely be accomplished by the lead Planning Agency (LPA) MPO technical staff and temporary help.

II-B-5 - Forecast of Data to Horizon Year							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 52,000	\$ 13,000	\$ -	\$ -	\$ -	\$ 65,000

Funding Commitments from Other Entities:

Parallel efforts are underway in CAMPO, and joint staff work has been undertaken to ensure consistency of results. However each MPO is funding its own work.

Task II-B-6: Community Goals and Objectives

The MPO will re-evaluate community goals and objectives for the 2040 Long range Transportation Plan (LRTP). The process of formulating and re-evaluating goals will begin with visioning exercise. The MPO will conduct public meetings to assess community vision in terms of transportation, land use, growth, quality of life, etc. In addition, the MPO will establish performance targets that will likely be related to mobility, transit use, TDM use, air quality, financial and economic concerns, environmental justice, and land use. The expected work products will be adopted goals and objectives and targets, and a policy framework for achieving the goals.

Objectives:

1. To develop updated set of Goals/Objectives and measures, and targets; and,
2. To involve citizens in a visioning process help update the Goals and Objectives, and targets.
3. Develop policy statements for the LRTP and CTP

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4. Develop measures for measuring how goals, objectives and targets are met.

Previous Work:

1. Goals and Objectives and targets in 2035 LRTP; and,
2. List of citizens and leaders who might be interested in participating in the process to update the Goals and Objectives and targets.

Proposed Activities:

1. Conduct public workshops to complete citizen visioning process;
2. Develop community visions
3. Re-evaluate Goals, Objectives and Targets and develop draft goals, objectives, measures and targets
4. Conduct public workshops, meetings and hearing to receive input on proposed Goals and Objectives and targets; and,
5. Recommend and adopt Goals and Objectives, measures and targets.

Products/Deliverables:

1. Citizen transportation vision; and,
2. Updated Goals and Objectives and targets.

Relationship to Other Plans and MPO Activities:

Updating the Goals and Objectives and targets will be the first public step in developing the 2040 LRTP. Goals, objectives and targets will guide other MPO planning processes such as CMP, JARC/New Freedom, MTIP, TDM, CMAQ, etc.

Completion Date:

The citizen vision process will begin fall 2010, and the update Goals and Objectives and targets will be adopted winter 2010/2011.

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

LPA and local government staff will manage and implement the process to complete a citizen vision and update the Goals and Objectives and targets.

II-B-6 - Community Goals & Objectives							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 9,992	\$ 2,498	\$ -	\$ -	\$ -	\$ 12,490

Funding Commitments from Other Entities: None.

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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. Essentially, this task encompasses application of the Triangle Regional Model and other modeling tools to forecast future travel patterns (distribution of trips, volume of travel, vehicle miles traveled, levels of congestion, etc.).

Objectives:

1. Produce model runs as required to support the MPO planning process and development of the Long Range Transportation Plan.

Previous Work:

1. Travel demand forecasts for the 2040 LRTP and air quality conformity determination.
2. Travel demand forecasts for various project level analyses; NEPA, transit forecasting, etc.

Proposed Activities:

1. Run Triangle Regional Model and other modeling tools to develop future year forecasts (summary tables, maps, etc.):
 - a. Run model to evaluate performance and suitability of model to be delivered by TRM Service Bureau;
 - b. Develop future year model setups as required for Long Range Transportation Plan alternative analysis, Air Quality Conformity and other needs; and,
 - c. Run model for LRTP alternative analysis.

Products/Deliverables:

1. Confirmation of suitability of Triangle Regional Model for LRTP Analysis; and,
2. Long Range Transportation Plan Alternative Analysis (summary tables, maps, etc.)

Relationship to Other Plans and MPO Activities:

This is a core task for preparing the Long Range Transportation Plan.

Completion Date:

The specific proposed activities in this UPWP will be completed during FY 2011-2012.

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

Work on this project will be completed by LPA modeling staff.

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II-B-7 - Forecast of Future Travel Paterns							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 13,944	\$ 3,486	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,430

Funding Commitments from Other Entities: None.

Task II-B-8: Capacity Deficiency Analysis

The MPO will conduct a capacity deficiency analysis as part of the 2040 LRTP, CTP and CMS. The analysis will be made to determine existing and existing-plus-committed deficiencies. Volume-to-capacity ration maps will be produced for the 2010 base year, E+C year, and other LRTP and CTP years. 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.

Objectives:

Produce model setups and output runs as required evaluating deficiencies in the existing transportation system in the DCHC MPO planning area.

Previous Work:

1. Deficiency analyses for the 2035 LRTP
2. Capacity deficiencies for the CMS, Mobility Report Card and other technical studies.

Proposed Activities:

Run Triangle Regional Model and other modeling tools to develop forecasts of travel efficiencies (summary tables, maps, etc.):

1. Develop model setups as required for deficiency analysis (existing committed network with future year socio-economic data); and,
2. Run model for and prepare output files

Products/Deliverables:

1. Long Range Transportation Plan Deficiency Analysis reports, maps and performance indicators by region, MPO area, county, district, etc (summary tables, maps, etc.)

Relationship to Other Plans and MPO Activities:

This is a core task for preparing the Long Range Transportation Plan.

Completion Date:

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The specific proposed activities in this UPWP will be completed during FY 2011-2012

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

Work on this project will be completed by LPA staff.

II-B- 8 - Capacity Deficiency Analysis							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 36,800	\$ 9,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 46,000

Funding Commitments from Other Entities: None.

Task II-B-9: Highway Element of LRTP and CTP

The MPO will begin evaluation of highway elements of the Comprehensive Transportation Plan. Performance measures will be established for evaluating highway alternatives. An extensive roster of highway projects will be identified based on the current 2030 LRTP, congestion management system, travel demand forecast and capacity deficiency analysis. Different combinations of these projects will produce a variety of highway alternatives that will be analyzed to find the alternative that best meets the LRTP 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, etc. The highway element of the Comprehensive Transportation Plan (CTP) will be developed in parallel with the LRTP, but will likely have a different set of constraints (e.g., no fiscal constraint).

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. 2030 and 2035 LRTPs;
2. Congestion Management System/Mobility Report Card;
3. Triangle Regional Model;
4. Travel demand forecast; and,
5. Capacity Deficiency Analysis.

Proposed Activities:

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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. 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 and surveys; travel demand forecasts; capacity deficiency analysis. In addition, the Congestion Management System and 2035 LRTP will be important input to this task.

Completion Date:

Analysis associated with the highway elements of LRTP and CTP will commence in 2010.

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

LPA and local government staff will manage and implement the highway element of the LRTP and CTP.

II-B-9 - Highway Element of the LRTP							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 4,480	\$ 1,120	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,600

Funding Commitments from Other Entities: None.

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

The MPO will begin evaluation of transit elements of the Comprehensive Transportation Plan and the 2040 LRTP. Transit evaluate will include fixed-route bus service, fixed-guide way 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 2035 LRTP, transit feasibility studies, transit 5-year and master plans, travel demand forecast and capacity deficiency analysis. Different combinations of these

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services will produce a variety of transit alternatives that will be analyzed to find the alternative that best meets the LRTP 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 LRTP, 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. 2030 and 2035 LRTPs;
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. TAC comments on alternatives.

Products/Deliverables:

1. Preferred transit element option; and,
2. 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 System and 2035 LRTP will be important input to this task.

Completion Date:

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Analysis and studies associated with the transit elements of the LRTP and CTP will commence in fall of 2011.

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

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

II-B-10 - Transit Element of the LRTP							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 7,040	\$ 1,760	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,800

Funding Commitments from Other Entities: None.

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

The MPO will begin evaluation of bicycle and pedestrian elements of the Comprehensive Transportation Plan and the 2040 LRTP. 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 Regional Bicycle plan, Durham Comprehensive Bicycle Plan and Durham Pedestrian Plan.

Objectives:

1. Update the LRTP 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 LRTP;
3. Update the LRTP ancillary planning and program information.
4. Coordinate existing local and regional plans and projects with LRTP bicycle and pedestrian element;
5. Update LRTP Bicycle and Pedestrian Element maps; and,
6. Work with local communities on Regional Priority Lists, in order to implement LRTP 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
4. Carrboro Bicycle plan
5. Chapel Hill bike and pedestrian plan

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Proposed Activities:

1. Collect planned and proposed bicycle and pedestrian project information from local and regional plans and forums for inclusion in the LRTP;
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 LRTP 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 LRTP Bicycle and Pedestrian Element should 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 LPA staff along with MPO member agencies

II-B-11 - Bicycle & Pedestrian Element of the LRTP							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 51,200	\$ 12,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 64,000

Funding Commitments from Other Entities: None

Task II-B-13: Collector Street Plan of LRTP

Work will continue on the update and implementation of the MPO-wide Collector Street Plan and circulation study and the Southwest Durham/Northeast Chapel Hill Collector Street Plan. This is envisioned to involve the identification of future collector street connectivity needs, provisions for local street connectivity, development ordinance implementation provisions, additional local government consultation, and public involvement.

Objectives:

1. To create an efficient and effective transportation network, especially that part of the

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network not addressed in the MPO's long-range transportation plan;

2. To develop criteria for delineating function classification and facility classification
3. To develop a plan that the development community, planners and citizens can easily understand and use for creating this ideal transportation network; and,
4. To ensure coordination of the collector street network among the various jurisdictions and transportation plans in the MPO planning area.

Previous Work:

1. Southwest Durham/Southeast Chapel Hill Collector Street Plan;
2. Wake-Durham Comprehensive Street System Plan;
3. Center of the Region Enterprise (CORE) Collector Street Plan;
4. Southwest Durham Collector Street Plan;
5. Farrington/Stagecoach Rd Corridor Study
6. GIS map layers for street networks, parcels, land use, and environmental features; and,
7. 2030 and 2035 Long Range Transportation Plans.

Proposed Activities:

1. Update criteria for functional classification and facility classification;
2. Collect GIS data layers and produce maps of existing conditions;
3. Conduct series of three workshops in five different geographic areas;
4. Update collector street networks strategies and maps; and,
5. Implement collector street and neighborhood traffic circulation strategies.

Products/Deliverables:

1. Map of collector street network; and,
2. Updated Collector Street reports that includes existing conditions maps, factors considered in developing collector street network, proposed collector street network, and street design considerations.
3. Functional classification and facility classification
4. Traffic circulation strategies

Relationship to Other Plans and MPO Activities

The process and product of the MPO-wide collector street plan will be based on the Southwest Durham/Southeast Chapel Hill Collector Street Plan. It will be coordinated with the any updates of the CORE and Wake/Durham collector street plans, and the will complement the arterial street network envisioned in the CTP, model networks, CMP networks and 2040 LRTP.

Completion Date:

During the 2010-11 UPWP planning period.

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

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MPO staff will conduct most of the tasks for this project, and a private consultant will assist with some technical tasks.

II-B-13 - Collector Street Element of the LRTP							Total All Funds
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			
Federal	Local	Federal	Local	Federal	Local	State	
\$ 4,000	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000

Funding Commitments from Other Entities: None.

Task II-B-15: Freight Movement and 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 integrating freight into MPO planning process.

Objectives:

1. To include freight movement data is included in the Triangle Regional Model (TRM); and,
2. To include freight movement data in the project evaluation phase of the 2040 LRTP.
3. Development of a Freight plan, including stakeholder involvement
4. Integration freights and urban goods movement into MPO planning process.

Previous Work:

1. 2030 and 2035 LRTP freight planning; and,
2. Triangle Regional Model commercial vehicles sub-model.

Proposed Activities:

1. Gather Triangle Region freight movement data;
2. Incorporate the freight movement data into the Triangle Regional Model; and
3. Incorporate the freight movement data and planning into the 2040 LRTP development process.

Products/Deliverables:

1. Freight movement level in Triangle Regional Model (TRM); and,
2. Highway alternatives in 2040 LRTP development process that consider the needs of freight movement.

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Relationship to Other Plans and MPO Activities

This task will be coordinated with the Triangle Regional Model (TRM) and be input data into the 2040 LRTP development.

Completion Date:

On-going, preparatory work and stakeholder involvement plan to be completed in summer 2011.

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

LPA staff will complete these tasks.

II-B-15 - Frieght Movement/Mobility Planning							Total All Funds
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			
Federal	Local	Federal	Local	Federal	Local	State	
\$ 14,400	\$ 3,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,000

Funding Commitments from Other Entities:

Much of this task will be coordinated with the North Carolina Department of Transportation (NCDOT), RDU and freight and logistics companies

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Task II-B-16: Financial Planning

The MPO will examine financial options for funding proposed transportation projects and programs on an as-needed basis. These tasks will include reviewing the financial planning assumptions/projections in the 2035 LRTP to refine cost estimates, and providing support regional efforts geared toward identifying new and alternative funding sources.

Objectives:

1. To ensure that sound financial information is available for project evaluation; and,
2. To support efforts to identify new transportation funding sources

Previous Work:

1. 2030 and 2035 LRTP financial plan and revenue forecasting
2. STAC financial analysis;
3. FY 2009-2015 TIP; and,
4. Various local plans for roadways, transit, bicycles, pedestrian facilities, and Intelligent Transportation Systems (ITS).

Proposed Activities:

1. Refine project costs estimates, as needed;

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2. Coordinate and support regional efforts to identify new transportation sources such as the joint TAC finance committee meeting for DCHC/CAMPO, mayors' meetings, North
3. Carolina Metropolitan Coalition (League of Municipalities), and Regional Transportation Alliance; and,
4. Investigate technical aspects of potential funding sources such as taxing strategies, impact fees and private/public partnerships.

Products/Deliverables:

1. Update of LRTP financial assumption and financial plan;
2. Update of LRTP costs and revenue; and,
3. Development of local revenue options and non-traditional revenue mechanism.

Relationship to Other Plans and MPO Activities

The success in identifying new or modified funding sources will directly affect the 2040 LRTP.

Completion Date:

These tasks will be ongoing.

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

MPO LPA staff along with regional technical agencies will complete these tasks.

II-B-16 - Financial Planning							Total All Funds
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			
Federal	Local	Federal	Local	Federal	Local	State	
\$ 10,000	\$ 2,500	\$ 4,000	\$ 1,000	\$ -	\$ -	\$ -	\$ 17,500

Funding Commitments from Other Entities: None.

Task II-B-17: Congestion Management System

The MPO plans to develop and implement a Congestion Management Process (CMP) to address the growing traffic congestion in the region. Besides being a sensible practice, the CMP is a federal transportation planning requirement under the provisions of 23 U.S.C. and 23 CFR. The CMP will identify areas of traffic congestion, investigate the causes of congestion, evaluate alternatives for alleviating congestion, identify strategies for the implementation of those alternatives, and assess financial and economic impacts of those strategies. The Town of Chapel Hill and the Town of Carrboro have already completed several Mobility Report Cards, which contain much of the traffic data and congestion identification inherent in a CMS. The most recent Mobility Report Cards for these towns have been integrated into the MPO CMP.

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This task also includes management, operation and administration of the of the MPO TDM programs.

Objectives:

1. Update MPO CMP, including CMP work plan, strategies, congestion mitigation measures and monitoring system
2. Implementation and monitoring of TDM program and MPO TDM hot spots
3. Development of a multi MPO modal Congestion Plan
4. Linkage of CMP with LRTP; and,
5. Linkage of CMS with operation and MTIP prioritization.

Previous Work:

1. DCHC MPO Congestion Management System Report;
2. Town of Chapel Hill Mobility Report Card;
3. Town of Carrboro Mobility Report Card;
4. Turning movement counts (i.e., intersection traffic counts);
5. ADT counts (traffic volume counts);
6. Screen line counts for the TRM;
7. AADT counts from NCDOT (traffic volume counts);
8. Bicycle counts from bicycle plans;
9. Pedestrian counts from pedestrian plans; and,
10. Transit ridership data from transit operators.

Proposed Activities:

Develop performance measures for evaluating congestion that are appropriate for the MPO;

Collect data and apply models to identify causes and locations of traffic bottlenecks (data will include different modes);

Provide a central database and a graphical user-interface to allow for area- facility-based and intersection-based congestion mitigation planning;

Define Transportation Improvement Projects (TIP) and other projects to mitigate the congestion, and their implementation priorities; and,

Document the study results in a State of the Systems report.

Products/Deliverables:

1. MPO CMP work plan as required by federal regulations
2. MPO CMP Plan
3. CMP state of System report
4. Reports for system components, including performance measures, congestion definition, transportation data and congestion identification, proposed congestion mitigation measures and policies, and a State of the System Report; and,

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5. Database and user interface.

Relationship to Other Plans and MPO Activities

The MPO CMP will be linked to the CMAQ project selection, STP-DA and TIP project prioritization, the Triangle Regional Model (TRM) and several tasks that support the Surveillance of Change.

Completion Date:

Pre- data collection tasks will occur in the summer 2010. Traffic and other modal counts for CMP will be conducted during fall 2010 and spring 2011. The complete system and report will be finished by fall of 2011.

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

Tasks will largely be undertaken by LPA staff with consulting help and temporary staffing. MPO staff will oversee project, provide project management and review work products done by MPO agencies. Traffic counts will be conducted when schools are in session.

II-B-17 - Congestion Management Strategies							Total All Funds
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			
Federal	Local	Federal	Local	Federal	Local	State	
\$ 408,520	\$ 102,130	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 510,650

Funding Commitments from Other Entities: None.

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

The DCHC MPO (the Transportation Advisory Committee) is responsible in making a determination as to whether or not transportation plans, programs, and projects (e.g., LRTP and MTIP) conform to air quality standards and the intent of the State Implementation Plan (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 Meetings, and providing assistance to NCDENR in developing and maintaining mobile source emission inventories.

Objectives:

1. To ensure that the plans, programs and projects in the DCHC MPO meet air quality conformity standards; and,
2. To ensure that partner agencies, which affect an air quality conformity lapse in the DCHC MPO planning area, meet air quality conformity standards.

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Previous Work:

1. 2030 LRTP;
2. FY 2006-2007 TIP;
3. Triangle Regional Model (TRM) and TRM updates; and,
4. TRM data such as VMT and speeds for each analysis year.

Proposed Activities:

1. Participate in State Interagency Consultation Meetings to make decisions on schedule, model version use, analysis years, potential SIP revisions, MOBILE6.2 modeling parameters, etc.; and,
2. Coordinate State Interagency Consultation Meetings requirements with MPO activities such as TRM enhancements, FY 2007-2013 TIP, Socio-economic data update for 2035 LRTP.

Products/Deliverables:

1. State Interagency Consultation Meetings policy that considers needs of DCHC MPO; and,
2. Air quality conformity coordination with State Interagency Consultation Meetings, CAMPO, NCDOT, etc.

Relationship to Other Plans and MPO Activities

Coordination between the State Interagency Consultation Meetings policies and the needs of the DCHC MPO's 2035 LRTP and FY 2007-2013 TIP are critical for ensuring air quality conformity.

Completion Date:

These tasks will be ongoing.

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

MPO staff will complete these tasks.

Staff effort – 176 person hours.

II-B-18 - Air Quality Planning/Conformity Analysis							Total All Funds
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 13,512	\$ 3,378	\$ -	\$ -	\$ -	\$ 16,890

Funding Commitments from Other Entities:

Air quality inter agencies – CAMPO, NCDOT, DENR-DAQ and EPA – contribute staff hours to the air SIP development and air quality non- attainment demonstration.

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Task III-A: Planning Work Program

This task will be to administer the FY 2011-2012 UPWP and prepare and process amendments as needed. Evaluate transportation planning work needs and emphasis areas and prepare the FY 2012-2013 UPWP. To prepare and continually maintain a Unified Planning Work Program (UPWP) that describes all transportation and transportation-related planning activities anticipated within the DCHC MPO planning area for the FY 2011-2012. 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.

Objectives:

1. To prepare and continually maintain a Unified Planning Work Program (UPWP) that describes all transportation and transportation-related planning activities anticipated within the DCHC MPO planning area for FY 2011-2012;
2. To develop, maintain, and complete the UPWP in conformance with applicable federal, state, and regional guidelines; and,
3. To prepare UPWP amendments as necessary and requested by member agencies, to reflect any change in programming or focus for the current fiscal year.

Previous Work:

1. FY 2010-11 UPWP; and,
2. Amendment of the UPWP as requested by member agencies.
3. Prepare quality invoices and reports
4. Prepare annual report
5. Prepare financial and audit management

Proposed Activities:

1. Review and amend relevant portions of the 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 and public involvement process; and,
3. Amend the UPWP, as needed (the amendment process commonly occurs in January/February of each year).

Products/Deliverables:

1. Prepare quality invoices and reports
2. Prepare financial and audit management
3. Management and operation and Administration of the 3C process
4. Amendments to the FY 2011-2012 UPWP, as needed; and,
5. Development of the FY 2012-2013 UPWP.

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Relationship to Other Plans and MPO Activities

The UPWP funds the MPO’s planning activities, including many critical programs such as the long-range transportation plan, Transportation Improvement Program (TIP) and air quality conformity.

Completion Date:

These tasks will be ongoing.

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

MPO staff will complete these tasks.

III-A-1 - Planning Work Program							Total All Funds
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 33,792	\$ 8,448	\$ -	\$ -	\$ -	\$ 42,240

Funding Commitments from Other Entities:

The Towns of Chapel Hill and Carrboro are proposing funding for UPWP task item.

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Task III-B-Transportation Improvement Program

The LPA will perform tasks associated with the amendment of the FY 2006-2012 MTIP. The LPA staff will 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. 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.

Objectives:

1. To develop and adopt the FY 2009-2015 MTIP to support MPO goals; and,
2. To appropriately amend the FY 2009-2015 MTIP, as needed.

Previous Work:

1. FY 2007-2013 MTIP; and,
2. FY 2007-2013 MTIP Regional Priority Project List

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Proposed Activities:

1. Continue monitoring of ARRA- Stimulus projects
2. Reporting and oversight of Stimulus projects
3. Project selection and management of any new Stimulus projects
4. Draft FY 2011-2021 MTIP;
5. Develop MPO SPOT project priorities
6. Develop Regional Project Priorities
7. Conduct public involvement activities for Draft FY 2011-2021 MTIP;
8. Analyze Draft FY 2011-2021 State Transportation Improvement Program (STIP) and develop support documents for negotiations);
9. Negotiate MTIP and STIP project reconciliation with NCDOT; and,
10. Adopt FY 2011-2021 MTIP.

Products/Deliverables:

1. Draft FY 2011-2021 MTIP and full report (including financial and project analysis);
2. Flagged Issues;
3. Meetings with NCDOT (and meeting materials); and,
4. Adopted FY 2011-2011 MTIP.

Relationship to Other Plans and MPO Activities

The MTIP Regional Project Priority List will provide information for the development of the MTIP, STIP and SPOT.

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Completion Date:

On-going.

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

MPO staff will complete these tasks.

III-B-1 - Transportation Improvement Plan							Total All Funds
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 45,280	\$ 11,320	\$ -	\$ -	\$ -	\$ 56,600

Funding Commitments from Other Entities: None

Task III-C-2: Environmental Justice

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:

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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.

Objectives:

To ensure that minority and low-income communities are:

1. Not adversely affected by transportation projects and policies;
2. Treated equitably in the provision of transportation services and projects; and
3. Provided full opportunity for participation in MPO transportation planning and decision-making process.

Previous Work:

1. Demographic profiles based on 2000 Census
2. 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.

Proposed Activities:

1. Develop MPO Environmental Justice Plan, including establishment of an Environmental Justice Advisory Board;
2. Update demographic profiles based on 2010 Census and MPO 2010 base year data - 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 Justices in general and Hispanic population in particular; and,
8. Conduct analysis as needed regarding equitable distribution of transportation system benefits and costs among all socio-economic groups throughout the MPO area.

Products/Deliverables:

1. Updated maps utilizing information from the 2010 Census and 2010 base year data;
2. Increased involvement of low-income and minority populations in the transportation

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- planning process;
3. Technical assistance memoranda, reports, and workshops as needed;
 4. Protocol for responding to issues and concerns regarding Environmental Justice; and,
 5. MPO Environmental Justice plan.

Relationship to Other Plans and MPO Activities:

All MPO planning activities involving public outreach will be affected by the recommendations of this plan – including the public involvement for the East End Connector and Alston Avenue environment analyses. Project selection and evaluation for the Long Range Transportation Plan will include an environmental justice component. The Environmental Justice Advisory Board will be consulted on various MPO planning activities.

Completion Date:

Environmental justice activities will be on-going.

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

Tasks will be undertaken by LPA staff.

III-C-2 - Environmental Justice							Total All Funds
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			
Federal	Local	Federal	Local	Federal	Local	State	
\$ 10,768	\$ 2,692	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,460

Funding Commitments from Other Entities: None.

Task III-C-6: Public Involvement

The MPO 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:

1. 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;
2. To assess the effectiveness of the current Public Involvement Process as required by the federal certification team; and,
3. To develop and enhance the process of public dissemination of information.

Previous Work:

1. MPO Public Involvement Process;
2. MPO website;

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3. Newsletters;
4. Stakeholder address database; and,
5. Newspaper advertisements.

Proposed Activities:

1. Refine the current Public Involvement Process as needed;
2. Apply the Public Involvement Process to transportation programs and tasks; and,
3. Public meetings, workshops, and outreach programs to increase public participation, information dissemination, and education.

Products/Deliverables:

1. Update and maintenance of website;
2. Update and maintenance of mailing list database;
3. Quarterly MPO newsletters, and project specific newsletters; and,
4. Support of Citizen Advisory Committee

Relationship to Other Plans and MPO Activities:

Public involvement is essential to all MPO planning activities. The Public Involvement Process should inform and guide all outreach initiatives.

Completion Date:

Public involvement will occur on a continual basis. The website emails, and mailings will occur regularly throughout the year.

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

Tasks will be undertaken by LPA and municipal staff.

III-C-6 - Public Involvement							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 52,000	\$ 13,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,000

Funding Commitments from Other Entities: None.

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

The LPA 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 LPA will be involved in the East End Connector NEPA process including taking the lead in

CITY OF DURHAM/LPA
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the public involvement process. The MPO 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 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:

Regular participation at project scoping, environmental study and public meetings, especially those conducted by the NCDOT;
 Review and comment on project scoping and environmental documents;
 LPA participation in NEPA process for the East End Connector; and,
 LPA leadership in the public involvement process for the East End Connector.

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.

III-D-2 - Environmental Analysis & Pre-TIP Planning							Total All Funds
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			
Federal	Local	Federal	Local	Federal	Local	State	
\$ 4,356	\$ 1,089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,445

Funding Commitments from Other Entities: None.

TASK DESCRIPTIONS & NARRATIVES FY 2011-2012 UPWP

Task III-D-3: Special Studies

The MPO will be engaged in wide range of studies which will be conducted to meet the transportation planning needs of the area. These studies are expected to include but not limited to the following: Continuation of the NC 54/I-40 Corridor Study, CommunityViz Scenario Planning Initiative, UrbanSim, TELUDE, Hillsborough Downtown Study, Carrboro Downtown Traffic Circulation Study/Main Street Road Diet, Non-motorized trip modeling enhancement and regional transit initiatives, etc.

III- D- 3 - Special Studies							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 285,200	\$ 71,300	\$ 40,000	\$ 10,000	\$ -	\$ -	\$ -	\$ 406,500

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.

III-D-4 - Regional or Statewide Planning							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 20,340	\$ 5,085	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 25,425

Task III-E-1: Management and Operations

III-E-1 - Management and Operations							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 233,165	\$ 58,291	\$ 67,994	\$ 16,999	\$ -	\$ -	\$ -	\$ 376,449

**Durham-Chapel Hill-Carrboro Urban Area
FY 2011-2012 Unified Planning Work Program
Funding Distribution by Agency Funding Sources**

TCC 4/27/2011 Attachment 6A

Town of Chapel Hill

	Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local	NCDOT	Federal	Total
II-A	Surveillance of Change														
1	Traffic Volume Counts	\$0	\$0	\$600	\$2,400	\$0	\$0	\$0	\$0	\$0	\$0	\$600	\$0	\$2,400	\$3,000
2	Vehicle Miles of Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Street System Changes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Traffic Accidents	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Transit System Data	\$0	\$0	\$0	\$0	\$500	\$500	\$4,000	\$6,000	\$6,000	\$48,000	\$6,500	\$6,500	\$52,000	\$65,000
6	Dwelling Unit, Pop. & Emp. Change	\$0	\$0	\$600	\$2,400	\$0	\$0	\$0	\$0	\$0	\$0	\$600	\$0	\$2,400	\$3,000
7	Air Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Vehicle Occupancy Rates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Travel Time Studies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Mapping	\$0	\$0	\$2,000	\$8,000	\$3,000	\$3,000	\$24,000	\$0	\$0	\$0	\$5,000	\$3,000	\$32,000	\$40,000
11	Central Area Parking Inventory	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Bike & Ped. Facilities Inventory	\$0	\$0	\$600	\$2,400	\$0	\$0	\$0	\$0	\$0	\$0	\$600	\$0	\$2,400	\$3,000
13	Bike & Ped. Counts	\$0	\$0	\$600	\$2,400	\$0	\$0	\$0	\$0	\$0	\$0	\$600	\$0	\$2,400	\$3,000
II-B	Long Range Transp. Plan														
1	Collection of Base Year Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Collection of Network Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Travel Model Updates	\$0	\$0	\$0	\$0	\$300	\$300	\$2,400	\$0	\$0	\$0	\$300	\$300	\$2,400	\$3,000
4	Travel Surveys	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Forecast of Data to Horizon year	\$0	\$0	\$4,000	\$16,000	\$1,000	\$1,000	\$8,000	\$0	\$0	\$0	\$5,000	\$1,000	\$24,000	\$30,000
6	Community Goals & Objectives	\$0	\$0	\$0	\$0	\$500	\$500	\$4,000	\$0	\$0	\$0	\$500	\$500	\$4,000	\$5,000
7	Forecast of Future Travel Patterns	\$0	\$0	\$600	\$2,400	\$300	\$300	\$2,400	\$0	\$0	\$0	\$900	\$300	\$4,800	\$6,000
8	Capacity Deficiency Analysis	\$0	\$0	\$600	\$2,400	\$0	\$0	\$0	\$0	\$0	\$0	\$600	\$0	\$2,400	\$3,000
9	Highway Element of th LRTP	\$0	\$0	\$300	\$1,200	\$0	\$0	\$0	\$0	\$0	\$0	\$300	\$0	\$1,200	\$1,500
10	Transit Element of the LRTP	\$0	\$0	\$0	\$0	\$1,000	\$1,000	\$8,000	\$0	\$0	\$0	\$1,000	\$1,000	\$8,000	\$10,000
11	Bicycle & Ped. Element of the LRT	\$0	\$0	\$1,400	\$5,600	\$0	\$0	\$0	\$0	\$0	\$0	\$1,400	\$0	\$5,600	\$7,000
12	Airport/Air Travel Element of LRTP	\$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
14	Rail, Water or other mode of LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Freight Movement/Mobility Plannin	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Financial Planning	\$0	\$0	\$1,000	\$4,000	\$300	\$300	\$2,400	\$2,000	\$2,000	\$16,000	\$3,300	\$2,300	\$22,400	\$28,000
17	Congestion Management Strategies	\$0	\$0	\$1,000	\$4,000	\$500	\$500	\$4,000	\$0	\$0	\$0	\$1,500	\$500	\$8,000	\$10,000
18	Air Qual. Planning/Conformity Ana	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
II-C	Short Range Transit Planning														
	Short Range Transit Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$5,000	\$40,000	\$5,000	\$5,000	\$40,000	\$50,000
III-A	Planning Work Program														
	Planning Work Program	\$0	\$0	\$400	\$1,600	\$200	\$200	\$1,600	\$1,000	\$1,000	\$8,000	\$1,600	\$1,200	\$11,200	\$14,000
III-B	Transp. Improvement Plan														
	TIP	\$0	\$0	\$300	\$1,200	\$300	\$300	\$2,400	\$1,800	\$1,800	\$14,400	\$2,400	\$2,100	\$18,000	\$22,500
III-C	Cvl Rgts. Cmp./Otr .Reg. Reqs.														
1	Title VI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Environmental Justice	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Minority Business Enterprise	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$500	\$4,000	\$500	\$500	\$4,000	\$5,000
4	Planning for the Elderly & Disabled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Safety/Drug Control Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000	\$2,000	\$16,000	\$2,000	\$2,000	\$16,000	\$20,000
6	Public Involvement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$1,000	\$8,000	\$1,000	\$1,000	\$8,000	\$10,000
7	Private Sector Participation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-D	Incidental Plng./Project Dev.														
1	Transportation Enhancement Plng.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Enviro. Analysis & Pre-TIP Plng.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Special Studies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Regional or Statewide Planning	\$0	\$0	\$351	\$1,403	\$2,000	\$2,000	\$16,000	\$1,825	\$1,825	\$14,600	\$4,176	\$3,825	\$32,003	\$40,004
III-E	Management & Operations														
1	Management & Operations	\$0	\$0	\$3,000	\$12,000	\$3,550	\$3,550	\$28,397	\$19,500	\$19,500	\$156,000	\$26,050	\$23,050	\$196,397	\$245,496
	Totals	\$0	\$0	\$17,351	\$69,404	\$13,450	\$13,450	\$107,596	\$40,625	\$40,625	\$325,000	\$71,426	\$54,075	\$502,000	\$627,500

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II A 1 Traffic Volume Counts

Oversee the collection of traffic volume counts and related information as part of the development of the MPO CMS

Objectives

To provide necessary local traffic data for the CMS

Previous work

Collection and review of counts from various regional and local studies.

Proposed activities

Identification of count locations and monitoring of collection efforts

Products

CMS traffic counts December, 2011

Relationship to other plans and MPO activities

Supports implementation of adopted 2035 LRTP and development of 2040 LRTP

Proposed budget and level of effort

Staff

II-A-1 - Traffic Volume Counts

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 2,400	\$ 600	\$ -	\$ -	\$ -	\$ 3,000

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II A 6 Dwelling Unit, Population and Employment Change

Develop updates to estimates of future growth in Chapel Hill

Objectives

Develop 2040 socio economic projections
Work with CH Town Council to endorse projections
Incorporate into MPO level projections

Previous work

Development of 2035 projections.

Proposed activities

Develop and implement methodology for 2040 projections

Products

2040 Chapel Hill Socio Economic projections - December, 2011

Relationship to other plans and MPO activities

Supports development of 2040 LRTP

Proposed budget and level of effort

Staff

II-A-6 - Dwelling Unit, Population & Employment Changes

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 2,400	\$ 600	\$ -	\$ -	\$ -	\$ 3,000

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II A 10 Mapping

Prepare mapping for use in the implementation of 2035 LRTP, development of 2040 LRTP and ongoing regional and local transportation projects.

Objectives

To support regional planning efforts.

Previous work

Preparation of maps.

Proposed activities

Update existing GIS databases, coordinate with MPO staff on GIS clearinghouse and prepare maps as necessary.

Products

Maps, ongoing

Relationship to other plans and MPO activities

Supports implementation of adopted 2035 LRTP and development of 2040 LRTP

Proposed budget and level of effort
Staff

DRAFT 2

II-A-10 - Mapping

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 8,000	\$ 2,000	\$ 24,000	\$ 3,000	\$ 3,000	\$ 40,000

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II A 12 Bike and Pedestrian Facilities inventory

To maintain and update existing inventory of bicycle and pedestrian facilities.

Objectives

Prepare annual update of bicycle and pedestrian facilities and incorporate data into development of 2040 LRTP

Previous work

Maintenance of existing database.

Proposed activities

Collect data on changes in pedestrian and bicycle facilities and update GIS database.

Products

Updated bicycle and pedestrian facilities maps, June, 2012

Relationship to other plans and MPO activities

Supports implementation of adopted 2035 LRTP and development of 2040 LRTP

Proposed budget and level of effort

Staff

II-A-12 - Bike and Pedestrian Facilities Inventory

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 2,400	\$ 600	\$ -	\$ -	\$ -	\$ 3,000

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II A 13 Bicycle and Pedestrian Volume Counts

Oversee the collection of bicycle and pedestrian volume counts and related information as part of the development of the MPO CMS

Objectives

To provide necessary local bicycle and pedestrian data for the CMS

Previous work

Collection and review of counts from various regional and local studies.

Proposed activities

Identification of count locations and monitoring of collection efforts

Products

CMS bicycle and pedestrian counts December, 2011.

Relationship to other plans and MPO activities

Supports implementation of adopted 2035 LRTP and development of 2040 LRTP

Proposed budget and level of effort

Staff

II-A-13 - Bike and Pedestrian Counts

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 2,400	\$ 600	\$ -	\$ -	\$ -	\$ 3,000

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II B 5 Forecast of Data to Horizon Year

Update socio economic forecasts for development of 2040 LRTP

Objectives

Review base socio economic data and project 2040 horizon year.

Previous work

Development of 2035 forecasts

Proposed activities

Confirm 2005 base year data, prepare draft 2040 projections for review and endorsement by Chapel Hill Council and incorporate forecasts into MPO projections.

Products

2040 socio economic projections December, 2011

Relationship to other plans and MPO activities

Supports development of 2040 LRTP

Proposed budget and level of effort

Staff

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

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 16,000	\$ 4,000	\$ 8,000	\$ 1,000	\$ 1,000	\$ 30,000

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II B 7 Forecast Future Travel Patterns

Utilize TRM and 2040 socio economic projections to forecast future regional travel demand.

Objectives

Prepare future travel demand

Previous work

Development of travel demand for 2035 LRTP and Triangle Transit Alternatives Analysis

Proposed activities

Work with MPO staff and TRM staff to prepare future travel forecasts.

Products

2040 travel forecasts for adopted 2035 LRTP and 2040 LRTP alternatives. June, 2012

Relationship to other plans and MPO activities

Supports development of 2040 LRTP

Proposed budget and level of effort

Staff

II-B-7 - Forecast of Future Travel Patterns

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 2,400	\$ 600	\$ 2,400	\$ 300	\$ 300	\$ 6,000

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II B 8 Capacity Deficiency Analysis

Identify areas of future congestion and assess the adequacy of transportation network to address future travel needs.

Objectives

Assess adequacy of 2040 transportation network

Previous work

Development of 2035 LRTP, NC54 Corridor Study and Triangle Transit Alternatives Analysis.

Proposed activities

Review 2040 travel patterns from TRM and develop strategies to address future congestion.

Products

2040 LRTP, June 2012

Relationship to other plans and MPO activities

Supports implementation of adopted 2035 LRTP and development of 2040 LRTP

Proposed budget and level of effort

Staff

II-B- 8 - Capacity Deficiency Analysis

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 2,400	\$ 600	\$ -	\$ -	\$ -	\$ 3,000

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II B 9 Highway Element of LRTP

Evaluate adequacy of highway network in 2040 LRTP

Objectives

Assess need for modifications to adopted 2035 highway element in 2040 LRTP update.

Previous work

Development of 2035 LRTP.

Proposed activities

Review TRM regional travel projections for highway network and assess need for additional capacity through expansion or new construction.

Products

2040 LRTP June, 2012

Relationship to other plans and MPO activities

Supports development of 2040 LRTP

Proposed budget and level of effort

Staff

II-B-9 - Highway Element of the LRTP

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 1,200	\$ 300	\$ -	\$ -	\$ -	\$ 1,500

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II B 11 Bicycle and Pedestrian Element of LRTP

Work with MPO staff to assess impact of existing and future bicycle and pedestrian networks on local and regional travel.

Objectives

Prepare bicycle and pedestrian element of 2040 LRTP

Previous work

2035 LRTP

Proposed activities

Prepare updated network information, work with TRM to incorporate bicycle and pedestrian mode considerations, assess need for additional facilities and complete bicycle and pedestrian element of 2040 LRTP.

Products

2040 Bicycle and Pedestrian element, June, 2012

Relationship to other plans and MPO activities

Supports development of 2040 LRTP

Proposed budget and level of effort

Staff

DRAFT 2

II-B-11 - Bicycle & Pedestrian Element of the LRTP

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 5,600	\$ 1,400	\$ -	\$ -	\$ -	\$ 7,000

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II B 16 Financial Planning

Develop financial element of 2040 LRTP, assist in development of regional rail financial model and county transit plans financial plans.

Objectives

Provide input to development of county transit plans and related regional rail financial model. Refine 2040 LRTP financial plan.

Previous work

2035 LRTP financial model.

Proposed activities

Work with Orange County and Triangle Transit staff to refine county transit plan financial plans and regional rail financial model. Work with MPO to prepare revisions to 2040 LRTP financial plan.

Products

- County transit financial plans/TT regional rail implementation plan, September, 2011
- 2040 LRTP Financial element, June, 2012

Relationship to other plans and MPO activities

Supports implementation of adopted 2035 LRTP and development of 2040 LRTP

Proposed budget and level of effort

Staff

II-B-16 - Financial Planning

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 4,000	\$ 1,000	\$ 18,400	\$ 2,300	\$ 2,300	\$ 28,000

Funding Commitments from other Entities: None.

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II B 17 Congestion Management Strategies

Develop congestion management plans and programs for incorporation into 2040 LRTP

Objectives

Support the development of the 2040 LRTP

Previous work

Ongoing Triangle Regional TDM programs and congestion management element of 2035 LRTP

Proposed activities

Review projections of future travel and capacity deficiency analysis to identify 2040 congestion. Develop and evaluate menu of congestion management strategies and incorporate appropriate strategies into 2040 LRTP.

Products

Congestion Management element of 2040 LRTP, June, 2012

Relationship to other plans and MPO activities

Supports implementation of adopted 2035 LRTP and development of 2040 LRTP

Proposed budget and level of effort

Staff

II-B-17 - Congestion Management Strategies

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 4,000	\$ 1,000	\$ 4,000	\$ 500	\$ 500	\$ 10,000

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

III A 1 Planning Work Program

Prepare Chapel Hill element of FY2012 Planning Work Program.

Objectives

Identify tasks to be undertaken in FY2012 and allocate available resources in PWP.

Previous work

Development of FY2011 PWP

Proposed activities

Develop FY2012 Chapel Hill PWP and coordinate with MPO staff for inclusion into MPO PWP.

Products

2012 PWP, April 2012

Relationship to other plans and MPO activities

Supports implementation of adopted 2035 LRTP and development of 2040 LRTP

Proposed budget and level of effort

Staff

III-A-1 - Planning Work Program

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 1,600	\$ 400	\$ 9,600	\$ 1,200	\$ 1,200	\$ 14,000

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

III B 1 TIP

Monitor implementation of adopted MTIP, prepare amendments as necessary and prepare revisions TIP updates.

Objectives

Implement adopted TIP and prepared TIP updates.

Previous work

Development of adopted TIP.

Proposed activities

Monitor implementation of adopted TIP and complete work on priorities for inclusion in 2012-2019 MTIP.

Products

2012-2019 MTIP, September, 2011

Relationship to other plans and MPO activities

Supports implementation of adopted 2035 LRTP.

Proposed budget and level of effort

Staff

III-B-1 - Transportation Improvement Plan

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 1,200	\$ 300	\$ 16,800	\$ 2,100	\$ 2,100	\$ 22,500

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

III D 4 Regional or Statewide Planning

Support regional and statewide planning initiatives.

Objectives

Provide staff support and input into various regional planning activities such as the Triangle Transit Alternatives Analysis and NC54 Corridor Study.

Previous work

Support to Triangle Transit Transitional Analysis, Alternatives Analysis and MPO NC54 Corridor Study.

Proposed activities

Work with Triangle Transit and MPO staff on identified projects.

Products

- NC54 Corridor Study, December, 2011
- Triangle Transit Alternatives Analysis, September, 2011

Relationship to other plans and MPO activities

Supports implementation of adopted 2035 LRTP and development of 2040 LRTP

Proposed budget and level of effort

Staff

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III-D-4 - Regional or Statewide Planning

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 1,403	\$ 351	\$ 30,600	\$ 3,825	\$ 3,825	\$ 40,004

Funding Commitments from other Entities:

None

**TOWN OF CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

III E Management and Operations

Manage regional and local transportation planning activities, provide information to the public and provide staff assistance to regional projects.

Objectives

To manage the Town's involvement in various regional transportation planning projects.

Previous work

Ongoing management of local and regional transportation planning activities.

Proposed activities

Attend MPO policy and advisory board meetings
Participate with MPO staff in development of 2040 LRTP and related projects.
Provide information to the public, elected official and citizen advisory boards

Products

Not Applicable.

Relationship to other plans and MPO activities

Support implementation of the adopted 2035 LRTP, development of 2040 LRTP and other regional/local planning initiatives.

Proposed budget and level of effort

Staff

III-E-1 - Management and Operations

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ -	\$ -	\$ 12,000	\$ 3,000	\$ 184,397	\$ 23,050	\$ 23,050	\$ 245,496

Funding Commitments from other Entities:

None.

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**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II-A-1. Traffic Volume Counts

The Town will provide local traffic count data, collected for various local planning purposes, which are relevant to the Congestion Management Process and the Triangle Regional Model update. The Town will also conduct additional traffic counts, as needed, specifically for the CMS and TRM update.

Objectives

To provide necessary local traffic data for the CMS.

Previous work

The Town has conducted traffic counts for fulfilling a variety of local planning purposes, such as evaluating traffic calming solutions and the impact of a street closure on downtown traffic. Traffic impact analyses and traffic signal warrant studies are two other sources of traffic volume data. Two Mobility Report Cards (2003 and 2005) report vehicular traffic and congestion, as well as pedestrian and bicycle traffic. The 2009 Comprehensive Bicycle Transportation Plan collected bicycle use data through a survey.

Proposed activities

1. Collect traffic data using new traffic counters purchased by the Town.
2. Provide data collected through other planning processes (e.g. traffic impact assessments) to the MPO as needed.

Products

1. Traffic volume data from 2011-12 or as recent a year as possible.

Relationship to other plans and MPO activities

Data will be used for both the CMS and TRM projects. Counts may be helpful in determining focus areas for TDM strategies. Applications for other planning activities will be determined at a future time.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 20 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-A-1 - Traffic counts	\$128	\$512	\$640

Funding Commitments from other Entities: None.

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II-A-4. Traffic Accidents

Consistent with accident data collection capacity, the Town will provide local data as needed on accidents for the congestion management system.

Objectives

To provide local accident data for the CMS.

Previous work

Accident data is reported in the 2003 and 2005 Mobility Report Cards and the 2009 Comprehensive Bicycle Transportation Plan. Accident data was also gathered for the Smith Level Rd. TIP project (U-2803) and for other Town arterials.

Proposed activities

1. Submit traffic accident data to the MPO for the CMS.

Products

1. Along with MPO partners, crash data for the three-year period from 2008-2010.
2. Other accident data as needed.

Relationship to other plans and MPO activities

Relates to MPO-wide accident data collection task.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 9 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-A-4 - Traffic accidents	\$58	\$232	\$290

Funding Commitments from other Entities: MPO members

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

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

The Town will submit housing and economic data for reviewing regional development trends of the past decade.

Objectives

To provide local dwelling unit, population, and employment data for the 2000-2010 period for a regional development analysis.

Previous work

In FY 2011, submitted housing data, employment data, and population estimates by TAZ to LPA staff as part of the 2040 LRTP data collection process.

Proposed activities

1. Collect building permit and certificate of occupancy data for the review years.
2. To the extent practicable, measure land use and zoning changes.

Products

1. Local data as part of MPO review of development trends.

Relationship to other plans and MPO activities

Relates to MPO-wide development trend analysis task.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 10 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-A-6 - Dwelling Unit, Population, and Employment Change	\$64	\$256	\$320

Funding Commitments from other Entities: MPO members

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II-A-9. Travel Time Studies

The Town will conduct travel time studies to compare the impacts of different bicycle-pedestrian investments and the impacts of connector roads.

Objectives

To measure the travel time impacts of various transportation investment scenarios.

Previous work

Previous LRTP processes have included travel time surveys that collected data to input into the TRM. Locally, the 2003 and 2005 Mobility Report Cards included travel time data for major arterials.

Proposed activities

1. Using GIS Network Analyst and possibly other traffic analysis software, analyze travel speeds and travel times.

Products

1. Reports on travel time impacts of various transportation investments.

Relationship to other plans and MPO activities

Tasks will supplement, but not duplicate, information gathered in the CMP.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 20 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-A-9 - Travel time studies	\$128	\$512	\$640

Funding Commitments from other Entities: None.

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II-A-10. Mapping

The Town'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 mapping objectives, including the 2040 LRTP. They will provide, as needed, GIS layers for highway, transit, bike, and pedestrian networks as well as parcel and zonal spatial information.

Objectives

To update base maps, including spatial and network data, with new data, including Census 2010. To ensure high-quality mapping of transportation facilities and amenities.

Previous work

GIS mapping was used to provide local socioeconomic data for the data collection phase of the 2040 LRTP. The Town regularly updates its transportation shapefiles based on new developments and completed projects. The Town has contributed to the GIS Warehouse/Integration and Automation project.

Proposed activities

1. Provide up-to-date GIS data for MPO-wide mapping activities.
2. To use GIS in the Town's contribution to the CommunityViz planning project.

Products

1. Up-to-date GIS data.

Relationship to other plans and MPO activities

Tasks will potentially contribute to MPO activities such as CommunityViz, the 2040 LRTP, and the next TIP process. Mapping may play a role in the local Physical Activity action plan and greenway planning being carried out by the Town.

Proposed budget and level of effort

60 percent of work to be completed by GIS Analyst.

40 percent of work to be completed by Transportation Planner.

Local staff hours: 50 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-A-10 - Mapping	\$342	\$1,368	\$1,710

Funding Commitments from other Entities: MPO members.

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II-A-12. Bicycle and Pedestrian Facilities Inventory

The Town will supply bicycle and pedestrian facility data to the MPO for the 2040 LRTP and TIP.

Objectives

To enhance the 2040 LRTP's ability to accurately account for bicycle and pedestrian travel by providing up-to-date information on local bike-ped facilities.

To determine priorities for bicycle and pedestrian investments in the TIP.

Previous work

The Town has collected bicycle and pedestrian facility data from a number of planning processes, including the 2009 Comprehensive Bicycle Transportation Plan, the sidewalk bond program, and two Mobility Report Cards.

Proposed activities

1. Submit bicycle and pedestrian facility data to the MPO when needed.

Products

1. Bike-ped facility data, in map or list format.

Relationship to other plans and MPO activities

This information is useful for not only the 2040 LRTP, but also the CTP and CMP processes. As bicycling and walking are an essential part of Carrboro's transportation system, this information is always relevant for a number of local planning processes.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 8 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-A-12 - Bike & Ped. Facilities Inventory	\$52	\$208	\$260

Funding Commitments from other Entities: None.

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II-A-13. Bicycle and Pedestrian Counts

The Town will contribute existing bicycle and pedestrian traffic information for the 2040 LRTP and other planning processes as needed. Where more recent data would be helpful, the Town will arrange to conduct additional bicycle and pedestrian counts.

Objectives

To supply bicycle and pedestrian travel data for regional planning processes, such as the 2040 LRTP and-or Congestion Management Process.

To inform local planning efforts with up-to-date bike-ped data.

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. By the beginning of FY 2012, the Town will have collected additional bicycle and pedestrian data in certain downtown locations.

Proposed activities

1. Submit bicycle and pedestrian traffic data to the MPO when needed.
2. Conduct additional bike-ped counts where relevant.

Products

1. Bike-ped traffic data.

Relationship to other plans and MPO activities

This information is useful for not only the 2040 LRTP, but also the CTP and CMP processes. As bicycling and walking are an essential part of Carrboro's transportation system, this information is always relevant for a number of local planning processes.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 25 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-A-13 - Bike & Ped. Counts	\$160	\$640	\$800

Funding Commitments from other Entities: None.

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II-B-2. Collection of Network Data

To continue to contribute to MPO-wide network data collection for the 2040 LRTP, CMP, or other regional or local planning processes.

Objectives

To provide local data as needed for regional transportation planning processes.

Previous work

This project was included in the 2010-11 UPWP and is ongoing.

Proposed activities

1. Contribute to Chapel Hill Transit Comprehensive Operations Analysis, which will make recommendations on transit route modifications.
2. Contribute local highway and bike-ped network data as needed.

Products

1. Network data related to transit routes in Chapel Hill-Carrboro.
2. Highway/street and bike-ped data as needed.

Relationship to other plans and MPO activities

Related to 2040 LRTP and Chapel Hill Transit COA.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 10 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-B-2 - Collection of Network Data	\$64	\$256	\$320

Funding Commitments from other Entities:

Chapel Hill Transit Partners, MPO members

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

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

The Town will contribute local data as needed for forecasting for the 2040 LRTP.

Objectives

To prepare for 2040 LRTP forecasting of travel demand.

Previous work

Forecasts have been conducted for alternatives analyses for previous LRTPs.

Proposed activities

1. At the MPO level, use the Triangle Regional Model to begin the forecasting and scenario planning process for the 2040 horizon year
2. On the local level, provide information as needed to the MPO on local land use plans and other local policies that can be used to validate forecasts for the horizon year

Products

1. GIS layers or tables with socioeconomic and demographic data for the horizon year (2040)

Relationship to other plans and MPO activities

May also inform CommunityViz planning process.

Proposed budget and level of effort

Work to be completed by Transportation Planner and Planning Administrator.

Local staff hours: 14 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-B-5 - Forecast of data to horizon year	\$100	\$400	\$500

Funding Commitments from other Entities: MPO members

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II-B-6. Community Goals and Objectives

The Town will contribute to MPO-wide community visioning and update of goals, objectives and targets in order to guide the recommendations of the 2040 LRTP and other planning processes.

Objectives

To establish goals, objectives, and targets based on sound planning performance measures, public input, and addressing the complex transportation challenges faced by metropolitan regions.

Previous work

Goals, objectives, and targets have guided previous transportation plans and other MPO activities. In FY 2011, the MPO stated its goals and objectives in communications with NCDOT and Board of Transportation representatives relating to the 2011-2020 STIP and the Highway Mobility Fund selection criteria.

Proposed activities

1. Provide input in re-evaluating existing goals and objectives.
2. Contribute to community visioning meetings and other opportunities for public input.
3. Gather local community input on transportation-related topics and relay that input to the MPO.

Products

1. Updated, comprehensive, and forward-thinking goals, objectives, and targets.

Relationship to other plans and MPO activities

Goals and objectives of the LRTP should also inform the MTIP process. The LRTP's goals and objectives relate to the Regional Transit Vision Program as well.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 8 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-B-6 - Community Goals and Objectives	\$52	\$208	\$260

Funding Commitments from other Entities: MPO members

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II-B-17. Congestion Management Strategies

The MPO is undertaking a Congestion Management Process (CMP) to address congestion within the metropolitan area boundary. The Town will contribute planning resources to this process. The Town will also continue to promote TDM strategies and collaborate with Chapel Hill on joint TDM projects.

Objectives

To participate in the development of the CMP.

To continue to promote TDM as a congestion management strategy and collaborate with Chapel Hill and the region on TDM.

Previous work

The CMP is required by federal law and incorporated into the LRTP and TIP processes. Carrboro has partnered in the past with Chapel Hill and regional groups to hold TDM events.

Proposed activities

1. Contribute to the development of the CMP.
2. Participate in regional TDM events, such as the SmartCommute challenge and Bike to Work Week.
3. Conduct additional outreach to citizens and-or local business owners regarding TDM.
4. Assess the feasibility of holding carefree periods on selected streets on a regular basis, such as on Weaver St., through traffic analysis.

Products

1. Local traffic data for the CMP, as needed.
2. TDM events.

Relationship to other plans and MPO activities

As noted above, the CMP informs the LRTP and TIP processes.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 40 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-B-17 - Congestion Management Strategies	\$256	\$1,024	\$1,280

Funding Commitments from other Entities:

MPO members (CMP), TDM commitments from Triangle J COG and Town of Chapel Hill

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

II-C-11. 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.

Objectives

To ensure that Carrboro plays a key role in Chapel Hill Transit planning, capital investment, and operations.

To continue to work with Chapel Hill Transit on new initiatives, short range planning, and troubleshooting.

Previous work

Town of Carrboro elected officials, advisory board members, and staff regularly attend Chapel Hill Transit Partners Committee meetings. The Town has provided local GIS data and other information as input for the CHT Comprehensive Operations Analysis. A public transit forum was held in Carrboro in October 2010. In FY 2011, Town staff participated in Orange County Transit Plan meetings and the initial stages of a feasibility study for the Eubanks Park-and-Ride.

Proposed activities

1. Participate in monthly transit meetings
2. Continue to communicate with the Transit Partners Committee and Chapel Hill Transit staff on relevant issues.

Products

1. With Chapel Hill Transit, a Comprehensive Operations Analysis of fixed bus routes.
2. Annual Transit Forum.
3. With Orange County stakeholders, the draft Orange County Transit Plan.
4. Local data as needed.

Relationship to other plans and MPO activities

Related to the Orange County Transit Plan and Comprehensive Operations Analysis.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 35 hours

Task Code-Title	Local 20%	FHWA 80%	Total
II-C-1 - Short Range Transit Planning	\$224	\$896	\$1,120

Funding Commitments from other Entities:

Town of Chapel Hill, Orange County, University of North Carolina

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

III-A-1. Planning Work Program

The Town will administer the FY 2011-2012 UPWP and prepare and process amendments as needed. It will evaluate transportation planning work needed and emphasis areas and prepare the FY 2012-2013 UPWP.

Objectives

To implement Carrboro's 2011-2012 UPWP activities
To be ready for amendments to the UPWP if necessary
To submit the 2012-2013 UPWP to the MPO

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.

Proposed activities

1. Evaluate progress on implementing the 2011-2012 UPWP
2. Prepare Carrboro's 2012-2013 UPWP documents and budget

Products

1. Quarterly progress reports and invoices to the MPO on UPWP activities
2. Carrboro's 2011-2012 UPWP activities narrative and budget

Relationship to other plans and MPO activities

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

Proposed budget and level of effort

All work to be completed by Transportation Planner.
Local staff hours: 45 hours

Task Code-Title	Local 20%	FHWA 80%	Total
III-A-1 - Planning Work Program	\$286	\$1,144	\$1,430

Funding Commitments from other Entities:

MPO members

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

III-B-1. Transportation Improvement Program

The Town will participate in the initial stages in the development of the 2013-2022 TIP.

Objectives

To identify transportation improvement needs at the local level.

To prioritize these needs using an approved TCC ranking methodology.

Previous work

The MTIP is a recurring planning process. Adoption of the 2011-2020 MTIP by the MPO is expected in the summer of 2011.

Proposed activities

1. Contribute to development of TIP ranking methodology.
2. Submit a local priority list to the MPO.
3. Identify needs eligible for the next STP-DA call for projects.
4. Continue to work with the MPO in communicating regional priorities to NCDOT.

Products

1. Along with MPO members, an approved ranking methodology.
2. A local priority list to inform regional priority lists.
3. Transportation project information.

Relationship to other plans and MPO activities

The TIP carries out the goals and objectives of the LRTP. Projects on the TIP must be included in the 2040 LRTP.

Proposed budget and level of effort

80 percent of work to be completed by Transportation Planner.

20 percent of work to be completed by Planning Administrator.

Local staff hours: 70 hours

Task Code-Title	Local 20%	FHWA 80%	Total
III-B-1 - Transportation Improvement Program	\$488	\$1,952	\$2,440

Funding Commitments from other Entities:

MPO members

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

III-C-2. Environmental Justice

The Town will provide local information to enhance the MPO's EJ-related data. The Town will conduct outreach to disadvantaged groups and residents with limited English proficiency.

Objectives

To ensure adequate public involvement of low-income and minority groups in decision-making

To prevent disproportionately high and adverse impacts to low-income and minority groups resulting from transportation decisions

To assure that low-income and minority groups receive a proportionate share of benefits resulting from transportation decisions made by the MPO

To support progress toward the development of a regional Environmental Justice Plan.

Previous work

In FY 2010 and FY 2011, the Town studied bicycle and pedestrian alternatives for an underserved, minority neighborhood along Estes Dr. Ext.

Proposed activities

1. Assist the MPO in updating its EJ mailing database, demographic data, and historical demographic data.
2. Make an effort to include disadvantaged groups in the public involvement for the Wilson Park Multi-use Path STP-DA project.

Products

1. Local EJ-related demographic data.

Relationship to other plans and MPO activities

This is an MPO-wide activity.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 25 hours

Task Code-Title	Local 20%	FHWA 80%	Total
III-C-2 - Environmental Justice	\$160	\$640	\$800

Funding Commitments from other Entities:

MPO members

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

III-C-4. Planning for the Elderly and Disabled

The Town will continue efforts to emphasize the planning, development, evaluation, and reevaluation of transportation facilities and services for the elderly and disabled.

Objectives

To 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.

Proposed activities

1. Continue to address transportation concerns of elderly and disabled.
2. Make planning information more accessible to elderly and disabled residents.

Products

None

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

Task Code-Title	Local 20%	FHWA 80%	Total
III-C-4 - Planning for the Elderly and Disabled	\$64	\$256	\$320

Funding Commitments from other Entities:

None.

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 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.

Objectives

To provide opportunities for the public to contribute to the planning of local and regional transportation facilities.

Previous work

The Town continued public involvement activities in FY 2011. Two additional public hearing continuations for U-2803 – Smith Level Rd. were held in September. Outreach was conducted for the Safe Routes to School Action Plan. A public transit forum was held in late October 2010, in conjunction with Chapel Hill Transit.

Proposed activities

1. Annual transit forum
2. Participation in MPO development of public outreach planning, databases, and evaluation
3. Continued public input process for the Bolin Creek Greenway, Phases 3 and 4
4. Public input processes associated with MPO activities such as CommunityViz
5. Other public input opportunities as they arise

Products

1. Summaries from public input workshops

Relationship to other plans and MPO activities

Proposed budget and level of effort

70 percent of work to be completed by Transportation Planner.
30 percent of work to be completed by Planning Administrator.
Local staff hours: 68 hours

Task Code-Title	Local 20%	FHWA 80%	Total
III-C-6 - Public Involvement	\$486	\$1,944	\$2,430

Funding Commitments from other Entities:

MPO members (public outreach planning, CommunityViz)

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

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

The Town will assist in the development of environmental documentation for several transportation projects. This may include public comments, public meetings, scoping meetings, site visits, and related activities.

Objectives

To complete, commence, and-or assist with necessary environmental impact documentation for several transportation projects expected to be underway in FY 2012.

Previous work

By the end of FY 2011, the Town is expected to have worked with a consultant to complete NEPA documentation for the Wilson Park Multi-use Path (U-4726DC).

Proposed activities

1. Complete, commence, and-or assist with environmental documentation for the Rogers Rd. sidewalk (STP-DA), the Morgan Creek Greenway, and a section of the Bolin Creek Greenway.

Products

1. Environmental documentation

Relationship to other plans and MPO activities

None

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 15 hours

Task Code-Title	Local 20%	FHWA 80%	Total
III-D-2 - Environmental Analysis & Pre-TIP Planning	\$96	\$384	\$480

Funding Commitments from other Entities: None.

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

III-D-3. Special Studies

Town staff will continue to conduct special studies related to local transportation issues.

Objectives

1. To coordinate an inclusive and comprehensive public input process for greenway planning.
2. To ensure that new studies reflect public input to the extent practicable and that they inform future planning processes.

Previous work

Conceptual plans for the Bolin and Morgan Creek Greenways were completed in FY 2010, with implementation beginning in FYs 2010-2011. A Safe Routes to School Action Plan was developed in FYs 2010-2011 as well. Other studies that are expected to have been conducted by the end of FY 2011 include a traffic circulation plan for the Old Carrboro neighborhood and a traffic impact analysis of a road diet concept.

Proposed activities

1. Coordinate a public input process for Phases 3 and 4 of the Bolin Creek Greenway, as identified in the Bolin Creek Greenway Conceptual Master Plan.
2. Coordinate with NCDOT, planners, and developers on potential land use and transportation planning activities in northern Carrboro.
3. Complete the Old Carrboro Traffic Circulation Plan, if not completed in FY 2011.
4. Contribute to MPO-level special studies as necessary

Products

1. Greenway public input process materials
2. Recommendations from northern Carrboro land use-transportation planning activities and the Old Carrboro Traffic Circulation Plan.

Relationship to other plans and MPO activities

None

Proposed budget and level of effort

90 percent of work to be completed by Transportation Planner.

10 percent of work to be completed by Planning Administrator.

Local staff hours: 145 hours

Task Code-Title	Local 20%	FHWA 80%	Total
III-D-3 - Special Studies	\$954	\$3,816	\$4,770

Funding Commitments from other Entities: None

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

III-E-1. Management and Operations

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

Objectives

To participate and contribute to MPO-related meetings

To adhere to the goals and tasks laid out in the Unified Planning Work Program

To ensure that elected officials have adequate information to make informed decisions on local and regional transportation issues

To ensure the local transportation advisory board has the information it needs to develop sound recommendations on local and regional transportation issues

To improve staff efficiency and knowledge through training sessions and educational materials

Previous work

Similar to proposed activities described below

Proposed activities

1. Attend and participate in 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 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

All work to be completed by Transportation Planner.

Local staff hours: 365 hours

Task Code-Title	Local 20%	FHWA 80%	Total
III-E-1. Management and Operations	\$2,472	\$9,890	\$12,362

Funding Commitments from other Entities:

None.

**TRIANGLE J COUNCIL OF GOVERNMENTS
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 UPWP**

III D 3 Special Studies.

Undertake mobility-related activities associated with creating a regional sustainable development plan through the federal DOT/EPA/HUD sustainable communities' partnership.

Objectives

To ensure mobility investments are central features of a regional sustainability plan and to ensure that any regional sustainability plan can fulfill MPO requirements, especially the housing assessment requirements in the Intermodal Bill.

Previous work

None.

Proposed activities

Details to be determined, but major activities of the previous *PRISM-Research Triangle* proposal included a housing needs and assessment plan that fulfills the requirements in the Intermodal Bill, scenario analysis and visualization, extensive public outreach and an implementation agreement among participating organizations.

Products

Housing assessment that meets the requirements of the NC Intermodal Bill.

Relationship to other plans and MPO activities

Most direct relationship would be to local or regional transit projects seeking state funding through the Intermodal Bill. Depending on scope details and timing, other activities may be useful in LRTP development (especially related to scenario analysis and public involvement) or in seeking discretionary federal funding.

Proposed budget and level of effort

Details to be determined, but previous *PRISM-Research Triangle* proposal expected to serve as foundation for work program. Budget would include both staff work and consultant assistance, in addition to direct costs associated with travel, meetings and printing/publications.

Task Code-Title	Local 20%	FHWA 80%	Total
III-D-3 - Special Studies	\$5,000	\$20,000	\$25,000

Funding Commitments from other Entities:

CAMPO and Triangle Transit would be other mobility-related funding partners; the overall project would be expected to have a wide range of sponsoring entities (previous proposal had 17 "leverage resource" partners providing cash or in-kind services), including NCDOT.

**TRIANGLE J COUNCIL OF GOVERNMENTS
TASK DESCRIPTIONS & NARRATIVES
FY 2011-2012 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

STAC transit vision technical support, joint 2035 LRTP facilitation and technical work, ozone standards and non-attainment education and technical assistance, LRTP and TIP conformity coordination, LUCID land use – transit forum and technical work, TRM executive committee support.

Proposed activities

Major activities include TRM executive committee support, joint MPO 2040 LRTP facilitation and technical work (emphasizing SE data and fiscal constraint), land use-transit investment integration and transportation-air quality integration.

Products

- Triangle Regional Model Executive Committee meeting summaries
- Joint 2040 LRTP framework and meeting facilitation/summaries
- 2020, 2030, 2040 SE data forecast facilitation and tracking
- 2040 LRTP fiscal constraint process and document
- LUCID forum meetings and reports
- TIP and LRTP air quality conformity process and documentation
- New federal ozone standard and non-attainment boundary education and technical support

Relationship to other plans and MPO activities

This work feeds into the DCHC 2040 LRTP process and products and enables the DCHC MPO to participate in air quality standard setting, non-attainment boundary designation, LRTP development, land use-transit integration.

Proposed budget and level of effort

Budget largely supports staff work by Planning Director, Planner II, GIS Analyst and MIS staff (webpage work), with some direct costs associated with travel and meeting expenses.

Task Code-Title	Local 20%	FHWA 80%	Total
III-D-4 - Regional or Statewide Planning	\$8,800	\$35,200	\$44,000

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)
DRAFT 2

Agency Project Narratives

&

Funding Tables

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2012 UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
2. FTA Code 442400
3. Task Code II-A-5
4. Title *Transit System Data*
5. Task Objective To conduct FTA-required passenger counts. Continue to oversee the conduct of system-wide fixed route and paratransit surveys, generate reports for the City, NCDOT and the FTA.
6. Tangible Product Expected Daily Ridership by route, by peaks, in GIS spatial data format, route recommendation reports
7. Expected Completion / Date of Products Jun-12
8. Previous Work NTD passenger count, required every 3 years
9. Prior FTA Funds (\$ amount/Funding Year) \$67,851 (FY11) - 5303 / \$8,957 (FY11) - 5307
10. Relationship Data collected is used in service performance evaluation - task III-E
11. Agency Durham Area Transit Authority (DATA)

				<u>Totals By Funding Source (100%)</u>
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%	\$8,819	
17. Section 5303	NCDOT	10%	\$8,819	
18. Section 5303	FTA	80%	\$70,549	<u>\$88,186 5303</u>
19. Section 5307 (planning)	Local	10%	\$1,486	
20. Section 5307 (planning)	NCDOT	10%	\$1,486	
21. Section 5307 (planning)	FTA	80%	\$11,890	<u>\$14,862 5307</u>
22. Additional Funds	Local	100%	\$0	\$0 Misc.
Total Funding:				<u><u>\$103,048</u></u>

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2012 UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
2. FTA Code 42100
3. Task Code II-B-10
4. Title Transit Element of the LRTP
5. Task Objective To provide needed Transit support for the MPO's LRTP updates
6. Tangible Product Expected Annual Planning Work Program outline and associated costs
7. Expected Completion / Date of Products Jun-12
8. Previous Work FY-2011 Planning Work Program
9. Prior FTA Funds (\$ amount/Funding Year) \$6,486 (FY11) - 5307
10. Relationship PWP is intended to support various planning efforts of the LRTP
11. Agency Durham Area Transit Authority (DATA)

					<u>Totals By Funding Source (100%)</u>
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%	\$1,076		
20. Section 5307 (planning)	NCDOT	10%	\$1,076		
21. Section 5307 (planning)	FTA	80%	\$8,610		<u>\$10,762 5307</u>
22. Additional Funds	Local	100%	\$0		<u>\$0 Misc.</u>
			Total Funding:		<u><u>\$10,762</u></u>

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2012 UPWP**

1. MPO	Durham-Chapel Hill-Carrboro (DCHC)		
2. FTA Code	442400		
3. Task Code	II-B-16		
4. Title	Financial Planning		
5. Task Objective	To prepare and monitor fiscal program of the Transit System for the City and for FTA		
6. Tangible Product Expected	Quarterly and annual financial reports, process invoices, and purchase orders as well as contract payments		
7. Expected Completion / Date of Products	Jun-12		
8. Previous Work	FY 2011		
9. Prior FTA Funds (\$ amount/Funding Year)	\$36,352 (FY11) - 5303		
10. Relationship			
11. Agency	Durham Area Transit Authority (DATA)		
			<u>Totals By Funding Source (100%)</u>
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%	\$6,334
20. Section 5307 (planning)	NCDOT	10%	\$6,334
21. Section 5307 (planning)	FTA	80%	\$50,674
			<u>\$63,342 5307</u>
22. Additional Funds	Local	100%	\$0
			<u>\$0 Misc.</u>
			Total Funding: <u><u>\$63,342</u></u>

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2012 UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code 44250
 3. Task Code II-B-17
 4. Title *Congestion Management Strategies*
5. Task Objective *To assist the MPO in its congestion management strategies by collecting and providing transit-related data*
6. Tangible Product Expected *Work plan and transit related data in GIS format*
7. Expected Completion / Date of Products *Jun-12*
8. Previous Work *Short Range Transit Development Plan*
9. Prior FTA Funds (\$ amount/Funding Year) *\$12,928 (FY11) - 5307*
10. Relationship *These activities support local MPO transportation planning effort*
11. Agency Durham Area Transit Authority (DATA)

				<u>Totals By Funding Source (100%)</u>
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%	\$2,145	
20. Section 5307 (planning)	NCDOT	10%	\$2,145	
21. Section 5307 (planning)	FTA	80%	\$17,160	<u>\$21,450 5307</u>
22. Additional Funds	Local	100%	\$0	<u>\$0 Misc.</u>
			Total Funding:	<u><u>\$21,450</u></u>

DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2012 UPWP

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
2. FTA Code 442301
3. Task Code II-C-1
4. Title *Short Range Transit Planning*

5. Task Objective To provide system-wide transit planning oversight

6. Tangible Product Expected Daily, Weekly, Monthly and annual system-wide riderhip and service related reports

7. Expected Completion / Date of Products Jun-12

8. Previous Work As noted above

9. Prior FTA Funds (\$ amount/Funding Year) \$58,010 (FY11) - 5307

10. Relationship Service performance information is sent to the FTA, NCDOT and the City- task III-E
11. Agency Durham Area Transit Authority (DATA)

				Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0 HPR
14. Section 104 (f) PL	Local	20%	\$0	
15. Section 104 (f) PL	FHWA	80%	\$0	\$0 PL
16. Section 5303	Local	10%	\$0	
17. Section 5303	NCDOT	10%	\$0	
18. Section 5303	FTA	80%	\$0	\$0 5303
19. Section 5307 (planning)	Local	10%	\$9,625	
20. Section 5307 (planning)	NCDOT	10%	\$9,625	
21. Section 5307 (planning)	FTA	80%	\$77,000	\$96,250 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total Funding:	\$96,250

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2012 UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code 44250
 3. Task Code III-A-1
 4. Title *Planning Work Program*
 5. Task Objective *To identify task areas and staff hours to complete each task*
 6. Tangible Product Expected *Work Program outline and costs associated with them.*
 7. Expected Completion / Date of Products *Jun-12*
 8. Previous Work *Planning Work Program*
 9. Prior FTA Funds (\$ amount/Funding Year) *\$23,866 (FY11) - 5307*
 10. Relationship *Supports MPO's PWP*
 11. Agency *Durham Area Transit Authority (DATA)*

				<u>Totals By Funding Source (100%)</u>
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%	\$3,238	
17. Section 5303	NCDOT	10%	\$3,238	
18. Section 5303	FTA	80%	\$25,906	<u>\$32,383 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%	\$0	<u>\$0 Misc.</u>
			Total Funding:	<u><u>\$32,383</u></u>

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2012 UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code 442500
 3. Task Code III-B-1
 4. Title *Transportaion Improvement Program*
5. Task Objective *To continue the local improvement of transit and transportation services.*
6. Tangible Product Expected *Improved and updated trasit and transportation plans*
7. Expected Completion / Date of Products *Jun-12*
8. Previous Work *Short Range Transit Development Plan*
9. Prior FTA Funds (\$ amount/Funding Year) *\$1,912 (FY11) - 5307*
10. Relationship *These activities support local MPO transportation*
11. Agency Durham Area Transit Authority (DATA)

				<u>Totals By Funding Source (100%)</u>
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%	\$259	
17. Section 5303	NCDOT	10%	\$259	
18. Section 5303	FTA	80%	\$2,075	<u>\$2,594 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%	\$0	<u>\$0 Misc.</u>
			Total Funding:	<u><u>\$2,594</u></u>

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2012 UPWP**

1. MPO	Durham-Chapel Hill-Carrboro (DCHC)		
2. FTA Code	442500		
3. Task Code	III-C-2		
4. Title	<i>Environmental Justice</i>		
5. Task Objective	To assist the MPO in its transportation outreach to Minorities and LEP group		
6. Tangible Product Expected	Work plan and transit related EJ date		
7. Expected Completion / Date of Products	Jun-12		
8. Previous Work	Transportation Improvement Program		
9. Prior FTA Funds (\$ amount/Funding Year)	\$4,000 (FY11) - 5307		
10. Relationship	These activities support local MPO transportation planning effort		
11. Agency	Durham Area Transit Authority (DATA)		
			<u>Totals By Funding Source (100%)</u>
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%	\$664
20. Section 5307 (planning)	NCDOT	10%	\$664
21. Section 5307 (planning)	FTA	80%	\$5,310
			<u>\$6,637 5307</u>
22. Additional Funds	Local	100%	\$0
			<u>\$0 Misc.</u>
			Total Funding: <u>\$6,637</u>

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2012 UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
2. FTA Code 442100
3. Task Code III-C-6
4. Title *Public Involvement*
5. Task Objective *To seek untapped ridership through aggressive marketing tactics. Conduct market surveys and seek new advertizing medium*
6. Tangible Product Expected *Attitudnal survey results, opinion results.*
7. Expected Completion / Date of Products *Jun-12*
8. Previous Work *Significant marketing efforts*
9. Prior FTA Funds (\$ amount/Funding Year) *\$42,165 (FY11) 5307*
10. Relationship *This information is used in conjunction with Task III-A.*
11. Agency Durham Area Transit Authority (DATA)

				<u>Totals By Funding Source (100%)</u>
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0 HPR
14. Section 104 (f) PL	Local	20%	\$0	
15. Section 104 (f) PL	FHWA	80%	\$0	\$0 PL
16. Section 5303	Local	10%	\$1,682	
17. Section 5303	NCDOT	10%	\$1,682	
18. Section 5303	FTA	80%	\$13,458	\$16,822 5303
19. Section 5307 (planning)	Local	10%	\$8,148	
20. Section 5307 (planning)	NCDOT	10%	\$8,148	
21. Section 5307 (planning)	FTA	80%	\$65,180	\$81,475 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total Funding:	<u>\$98,297</u>

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2012 UPWP**

1. MPO	Durham-Chapel Hill-Carrboro (DCHC)		
2. FTA Code	442100		
3. Task Code	III-C-6		
4. Title:	<i>Management & operations</i>		
5. Task Objective	To provide management oversight of the transit system both fixed and paratransit service		
6. Tangible Product Expected	Monthly operational, service and financial reports including budget summaries		
7. Expected Completion / Date of Products	Jun-12		
8. Previous Work	Previous (2011) management and operational		
9. Prior FTA Funds (\$ amount/Funding Year)	\$206,351 (FY11) - 5307		
10. Relationship	Related to task H-A-5		
11. Agency	Durham Area Transit Authority (DATA)		
			<u>Totals By Funding Source (100%)</u>
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%	\$34,238
20. Section 5307 (planning)	NCDOT	10%	\$34,238
21. Section 5307 (planning)	FTA	80%	\$273,902
			<u>\$342,377 5307</u>
22. Additional Funds	Local	100%	\$0
			<u>\$0 Misc.</u>
			<u>Total Funding \$342,377</u>

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO	Durham-Chapel Hill-Carrboro (DCHC)			
2. FTA Code	442400			
3. Task Code	II A 5			
4. Title	Transit System Data			
5. Task Objective	Review and analyze transit system data to monitor Chapel Hill Data Book update			
6. Tangible Product Expected				
7. Expected Completion / Date of Products	Jun-12			
8. Previous Work	2010 Databook Update			
9. Prior FTA Funds (\$ amount/Funding Year)	\$10,000 (FY11) - 5303			
10. Relationship	Supports implementation of 2035 LRTP			
11. Agency	Chapel Hill Planning/Transit			
	Totals By Funding Source (100%)			
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0 HPR
14. Section 104 (f) PL	Local	20%	\$0	
15. Section 104 (f) PL	FHWA	80%	\$0	\$0 PL
16. Section 5303	Local	10%	\$500	
17. Section 5303	NCDOT	10%	\$500	
18. Section 5303	FTA	80%	\$4,000	\$5,000 5303
19. Section 5307 (planning)	Local	10%	\$6,000	
20. Section 5307 (planning)	NCDOT	10%	\$6,000	
21. Section 5307 (planning)	FTA	80%	\$48,000	\$60,000 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total:	65,000

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO	Durham-Chapel Hill-Carrboro (DCHC)		
2. FTA Code	442301		
3. Task Code	II A 10		
4. Title	Mapping		
5. Task Objective	To maintain and prepare maps of the Chapel Hill transit network and related elements		
6. Tangible Product Expected	Transit, bicycle and pedestrian network maps		
7. Expected Completion / Date of Products	Ongoing		
8. Previous Work			
9. Prior FTA Funds (\$ amount/Funding Year)	\$20,000 (FY11) - 5303		
10. Relationship	Supports implementation of 2035 LRTP and development of 2040 LRTP		
11. Agency	Chapel Hill Planning/ Transit		
			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%	\$2,000
15. Section 104 (f) PL	FHWA	80%	\$8,000
			<u>\$10,000 PL</u>
16. Section 5303	Local	10%	\$3,000
17. Section 5303	NCDOT	10%	\$3,000
18. Section 5303	FTA	80%	\$24,000
			<u>\$30,000 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%	\$0
			<u>\$0 Misc.</u>
			Total: <u><u>40,000</u></u>

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code **442301**
 3. Task Code **II B 3**
 4. Title **Travel Model Updates**
5. Task Objective **To provide input to the enhancement of the Triangle Regional Model and monitor accuracy of the model**
6. Tangible Product Expected **Update TRM**
7. Expected Completion / Date of Products **Dec-11**
8. Previous Work
9. Prior FTA Funds (\$ amount/Funding Year)
10. Relationship **Supports development of 2040 L RTP**
11. Agency Chapel Hill Planning/Transit

				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%	\$300	
17. Section 5303	NCDOT	10%	\$300	
18. Section 5303	FTA	80%	\$2,400	<u>\$3,000 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%	\$0	<u>\$0 Misc.</u>
			Total:	<u><u>3,000</u></u>

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code **442301**
 3. Task Code **II B 5**
 4. Title **Forecast of Data to Horizon year**
5. Task Objective **To prepare 2040 projections of housing and employment for review and approval by Chapel Hill Town Council and use in development of 2040 LRTP**
6. Tangible Product Expected **Revised 2040 socio economic projections**
7. Expected Completion / Date of Products **December, 2011**
8. Previous Work
9. Prior FTA Funds (\$ amount/Funding Year) **\$5,000 (FY11) - 5303**

10. Relationship

Supports development of 2040 LRTP

11. Agency

Chapel Hill Transit (CHT)

				Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0 HPR
14. Section 104 (f) PL	Local	20%	\$4,000	
15. Section 104 (f) PL	FHWA	80%	\$16,000	\$20,000 PL
16. Section 5303	Local	10%	\$1,000	
17. Section 5303	NCDOT	10%	\$1,000	
18. Section 5303	FTA	80%	\$8,000	\$10,000 5303
19. Section 5307 (planning)	Local	10%	\$0	
20. Section 5307 (planning)	NCDOT	10%	\$0	
21. Section 5307 (planning)	FTA	80%	\$0	\$0 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total:	30,000

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO	Durham-Chapel Hill-Carrboro (DCHC)		
2. FTA Code	442301		
3. Task Code	II B 6		
4. Title	<i>Community Goals and Objectives</i>		
5. Task Objective	To coordinate the development of MPO community goals and objectives with the development of Chapel Hill goals and objectives related to revisions to the Town's comprehensive plan.		
6. Tangible Product Expected	2040 MPO Community Goals and Objectives		
7. Expected Completion / Date of Products	Dec-11		
8. Previous Work			
9. Prior FTA Funds (\$ amount/Funding Year)			
10. Relationship	Supports development of 2040 LRTP		
11. Agency	Chapel Hill Planning/Transit		
	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%	\$500
17. Section 5303	NCDOT	10%	\$500
18. Section 5303	FTA	80%	\$4,000
			<u>\$5,000 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%	\$0
			<u>\$0 Misc.</u>
			Total: <u><u>\$ 5,000</u></u>

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code **442301**
 3. Task Code **II B 7**
 4. Title **Forecast Future Travel Patterns**
5. Task Objective **To review information from TRM and other sources to determine future travel patterns for LRTP design year**
6. Tangible Product Expected **Regional travel demand estimates**
7. Expected Completion / Date of Products **Jun-11**
8. Previous Work
9. Prior FTA Funds (\$ amount/Funding Year) **\$5,000 (FY11) - 5303**
10. Relationship **Supports development of 2040 LRTP**
11. Agency Chapel Hill Planning/Transit

				Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0
14. Section 104 (f) PL	Local	20%	\$600	
15. Section 104 (f) PL	FHWA	80%	\$2,400	\$3,000
16. Section 5303	Local	10%	\$300	
17. Section 5303	NCDOT	10%	\$300	
18. Section 5303	FTA	80%	\$2,400	\$3,000
19. Section 5307 (planning)	Local	10%	\$0	
20. Section 5307 (planning)	NCDOT	10%	\$0	
21. Section 5307 (planning)	FTA	80%	\$0	\$0
22. Additional Funds	Local	100%	\$0	\$0
			Total:	\$ 6,000

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code **442301**
 3. Task Code **II B 10**
 4. Title **Transit Element of L RTP**
5. Task Objective **To prepare the transit element of the 2040 MPO L RTP**
6. Tangible Product Expected **2040 L RTP**
7. Expected Completion / Date of Products **Jun-11**
8. Previous Work
9. Prior FTA Funds (\$ amount/Funding Year) **\$5,000 (FY11) - 5303**

10. Relationship **Supports development of 2040 L RTP**

11. Agency **Chapel Hill Transit (CHT)**

				Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0
14. Section 104 (f) PL	Local	20%	\$0	
15. Section 104 (f) PL	FHWA	80%	\$0	\$0
16. Section 5303	Local	10%	\$1,000	
17. Section 5303	NCDOT	10%	\$1,000	
18. Section 5303	FTA	80%	\$8,000	\$10,000
19. Section 5307 (planning)	Local	10%	\$0	
20. Section 5307 (planning)	NCDOT	10%	\$0	
21. Section 5307 (planning)	FTA	80%	\$0	\$0
22. Additional Funds	Local	100%	\$0	\$0
			Total Funding Request:	\$ 10,000

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code **442301**
 3. Task Code **II B 16**
 4. Title **Financial Planning**
5. Task Objective **To provide input in to the development of the 2040 LRTP**
2040 LRTP
6. Tangible Product Expected
7. Expected Completion / Date of Products **Jun-12**
8. Previous Work
9. Prior FTA Funds (\$ amount/Funding Year)
10. Relationship **Supports implementation of 2035 LRTP and 2040 LRTP**
11. Agency Chapel Hill Transit (CHT)

				Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0 HPR
14. Section 104 (f) PL	Local	20%	\$1,000	
15. Section 104 (f) PL	FHWA	80%	\$4,000	\$5,000 PL
16. Section 5303	Local	10%	\$300	
17. Section 5303	NCDOT	10%	\$300	
18. Section 5303	FTA	80%	\$2,400	\$3,000 5303
19. Section 5307 (planning)	Local	10%	\$2,000	
20. Section 5307 (planning)	NCDOT	10%	\$2,000	
21. Section 5307 (planning)	FTA	80%	\$16,000	\$20,000 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total Funding Request:	\$ 28,000

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code **442301**
 3. Task Code **II B 17**
 4. Title **Congestion Management Strategies**
5. Task Objective **To prepare congestion management strategies and programs for incorporation into 2040 L RTP**
6. Tangible Product Expected **TDM and TSM elements of the 2040 L RTP**
7. Expected Completion / Date of Products **Jun-12**
8. Previous Work
9. Prior FTA Funds (\$ amount/Funding Year)
10. Relationship **Supports development of 2040 L RTP**
11. Agency Chapel Hill Planning/Transit

				<u>Totals By Funding Source (100%)</u>
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	<u>\$0 HPR</u>
14. Section 104 (f) PL	Local	20%	\$1,000	
15. Section 104 (f) PL	FHWA	80%	\$4,000	<u>\$5,000 PL</u>
16. Section 5303	Local	10%	\$500	
17. Section 5303	NCDOT	10%	\$500	
18. Section 5303	FTA	80%	\$4,000	<u>\$5,000 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%	\$0	<u>\$0 Misc.</u>
			Total Funding Request:	<u><u>\$ 10,000</u></u>

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code **442301**
 3. Task Code **II C 1**
 4. Title **Short Range Transit Plan**
5. Task Objective **To develop a 5-7 year transit capital and service improvement plan.**
6. Tangible Product Expected **Short Range Transit Plan**
7. Expected Completion / Date of Products **6/30/2012**
8. Previous Work **Comprehensive Operations Analysis**
9. Prior FTA Funds (\$ amount/Funding Year) **\$64,000 (FY11) - 5307**
10. Relationship
11. Agency Chapel Hill Transit (CHT)

				Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0 HPR
14. Section 104 (f) PL	Local	20%	\$0	
15. Section 104 (f) PL	FHWA	80%	\$0	\$0 PL
16. Section 5303	Local	10%	\$0	
17. Section 5303	NCDOT	10%	\$0	
18. Section 5303	FTA	80%	\$0	\$0 5303
19. Section 5307 (planning)	Local	10%	\$5,000	
20. Section 5307 (planning)	NCDOT	10%	\$5,000	
21. Section 5307 (planning)	FTA	80%	\$40,000	\$50,000 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total Funding Request:	\$50,000

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO	Durham-Chapel Hill-Carrboro (DCHC)		
2. FTA Code	442100		
3. Task Code	III A 1		
4. Title	Planning Work Program		
5. Task Objective	To prepare the Chapel Hill element of the FY2013 PWP		
6. Tangible Product Expected	FY2013 PWP		
7. Expected Completion / Date of Products	Jun-12		
8. Previous Work	Development and management of the FY2010-11 PWP		
9. Prior FTA Funds (\$ amount/Funding Year)	\$1,288 (FY11) - 5303		
10. Relationship	Supports implementation of adopted LRTP		
11. Agency	Chapel Hill Planning/Transit		
			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%	\$400
15. Section 104 (f) PL	FHWA	80%	\$1,600
			<u>\$2,000 PL</u>
16. Section 5303	Local	10%	\$200
17. Section 5303	NCDOT	10%	\$200
18. Section 5303	FTA	80%	\$1,600
			<u>\$2,000 5303</u>
19. Section 5307 (planning)	Local	10%	\$1,000
20. Section 5307 (planning)	NCDOT	10%	\$1,000
21. Section 5307 (planning)	FTA	80%	\$8,000
			<u>\$10,000 5307</u>
22. Additional Funds	Local	100%	\$0
			<u>\$0 Misc.</u>
			<u>Total Funding Request: \$ 14,000</u>

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO	Durham-Chapel Hill-Carrboro (DCHC)		
2. FTA Code	442500		
3. Task Code	III B 1		
4. Title	TIP		
5. Task Objective	To monitor the adopted TIP and prepare information for amendments to TIP		
6. Tangible Product Expected	Updated TIP		
7. Expected Completion / Date of Products	Ongoing		
8. Previous Work			
9. Prior FTA Funds (\$ amount/Funding Year)	\$2,000 (FY11) - 5303		
10. Relationship	Supports implementation of adopted LRTP		
11. Agency	Chapel Hill Transit (CHT)		
	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%	\$300
15. Section 104 (f) PL	FHWA	80%	\$1,200
			<u>\$1,500 PL</u>
16. Section 5303	Local	10%	\$300
17. Section 5303	NCDOT	10%	\$300
18. Section 5303	FTA	80%	\$2,400
			<u>\$3,000 5303</u>
19. Section 5307 (planning)	Local	10%	\$1,800
20. Section 5307 (planning)	NCDOT	10%	\$1,800
21. Section 5307 (planning)	FTA	80%	\$14,400
			<u>\$18,000 5307</u>
22. Additional Funds	Local	100%	\$0
			<u>\$0 Misc.</u>
			<u><u>\$ 22,500</u></u>
			Total Funding Request:

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code **442100**
 3. Task Code **III C 3**
 4. Title **Minority Business Enterprise**
 5. Task Objective **To assist businesses in becoming certified and enlisting needed services**
 6. Tangible Product Expected
 7. Expected Completion / Date of Products **Jun-12**
 8. Previous Work
 9. Prior FTA Funds (\$ amount/Funding Year)

10. Relationship

11. Agency

Chapel Hill Transit (CHT)

				Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0 HPR
14. Section 104 (f) PL	Local	20%	\$0	
15. Section 104 (f) PL	FHWA	80%	\$0	\$0 PL
16. Section 5303	Local	10%	\$0	
17. Section 5303	NCDOT	10%	\$0	
18. Section 5303	FTA	80%	\$0	\$0 5303
19. Section 5307 (planning)	Local	10%	\$500	
20. Section 5307 (planning)	NCDOT	10%	\$500	
21. Section 5307 (planning)	FTA	80%	\$4,000	\$5,000 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total Funding Request:	\$5,000

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code **442100**
 3. Task Code **III C 5**
 4. Title ***Safety/Drug Control Planning***
5. Task Objective **To continue the training of employees**
6. Tangible Product Expected
7. Expected Completion / Date of Products **Jun-12**
8. Previous Work **Same**
9. Prior FTA Funds (\$ amount/Funding Year)

10. Relationship

11. Agency

Chapel Hill Transit (CHT)

				Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0 HPR
14. Section 104 (f) PL	Local	20%	\$0	
15. Section 104 (f) PL	FHWA	80%	\$0	\$0 PL
16. Section 5303	Local	10%	\$0	
17. Section 5303	NCDOT	10%	\$0	
18. Section 5303	FTA	80%	\$0	\$0 5303
19. Section 5307 (planning)	Local	10%	\$2,000	
20. Section 5307 (planning)	NCDOT	10%	\$2,000	
21. Section 5307 (planning)	FTA	80%	\$16,000	\$20,000 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total Funding Request:	<u>\$20,000</u>

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO	Durham-Chapel Hill-Carrboro (DCHC)		
2. FTA Code	442100		
3. Task Code	III C 6		
4. Title	Public Involvement		
5. Task Objective	To conduct marketing strategies and continue working with the public to increase ridership		
6. Tangible Product Expected	Positive customer view of the transit system.		
7. Expected Completion / Date of Products	Jun-12		
8. Previous Work			
9. Prior FTA Funds (\$ amount/Funding Year)			
10. Relationship			
11. Agency	Chapel Hill Transit (CHT)		
			Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0
13. HPR - Highway	FHWA	80%	\$0
			\$0 HPR
14. Section 104 (f) PL	Local	20%	\$0
15. Section 104 (f) PL	FHWA	80%	\$0
			\$0 PL
16. Section 5303	Local	10%	\$0
17. Section 5303	NCDOT	10%	\$0
18. Section 5303	FTA	80%	\$0
			\$0 5303
19. Section 5307 (planning)	Local	10%	\$1,000
20. Section 5307 (planning)	NCDOT	10%	\$1,000
21. Section 5307 (planning)	FTA	80%	\$8,000
			\$10,000 5307
22. Additional Funds	Local	100%	\$0
			\$0 Misc.
		Total Funding Request:	\$10,000

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO	Durham-Chapel Hill-Carrboro (DCHC)		
2. FTA Code	442200		
3. Task Code	III D 4		
4. Title	Regional or Statewide Planning		
5. Task Objective	Participate in the ongoing development of the Triangle LRT Alternatives Analysis		
6. Tangible Product Expected	LRT Alternatives analysis		
7. Expected Completion / Date of Products	Jun-12		
8. Previous Work			
9. Prior FTA Funds (\$ amount/Funding Year)	\$5,000 (FY11) - 5303		
10. Relationship	Supports DCHC-MPO activities		
11. Agency	Chapel Hill Transit (CHT)		
			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%	\$351
15. Section 104 (f) PL	FHWA	80%	\$1,403
			<u>\$1,754 PL</u>
16. Section 5303	Local	10%	\$2,000
17. Section 5303	NCDOT	10%	\$2,000
18. Section 5303	FTA	80%	\$16,000
			<u>\$20,000 5303</u>
19. Section 5307 (planning)	Local	10%	\$1,825
20. Section 5307 (planning)	NCDOT	10%	\$1,825
21. Section 5307 (planning)	FTA	80%	\$14,600
			<u>\$18,250 5307</u>
22. Additional Funds	Local	100%	\$0
			<u>\$0 Misc.</u>
			Total Funding: <u><u>\$40,004</u></u>

**CHAPEL HILL TRANSIT (CHT)
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code **442100**
 3. Task Code **III E 1**
 4. Title **Management and Operations**
5. Task Objective **To assist, support and facilitate a comprehensive and coordinated process for transportation planning through participation in the DCHC MPO and related regional/statewide projects**
6. Tangible Product Expected **Ongoing**
7. Expected Completion / Date of Products **June, 2012**
8. Previous Work
9. Prior FTA Funds (\$ amount/Funding Year) **\$15,224 (FY11) - 5307 / \$29,808 (FY11) - 5303**
10. Relationship **Supports all other planning and reporting activities**
11. Agency Chapel Hill Transit (CHT)

				Totals By Funding Source (100%)
12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0 HPR
14. Section 104 (f) PL	Local	20%	\$3,000	
15. Section 104 (f) PL	FHWA	80%	\$12,000	\$15,000 PL
16. Section 5303	Local	10%	\$3,550	
17. Section 5303	NCDOT	10%	\$3,550	
18. Section 5303	FTA	80%	\$28,397	\$35,496 5303
19. Section 5307 (planning)	Local	10%	\$19,500	
20. Section 5307 (planning)	NCDOT	10%	\$19,500	
21. Section 5307 (planning)	FTA	80%	\$156,000	\$195,000 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total Funding Request:	\$245,496

Durham-Chapel Hill-Carrboro Urban Area
FY 2011-2012 Unified Planning Work Program
Funding Distribution by Agency Funding Sources

TCC 4/27/2011 Attachment 6A

Triangle Transit Authority (TTA)

	Task Description	Section 5303			Section 5307			Task Funding Summary			
		Highway/Transit			Transit			Local	NCDOT	Federal	Total
		Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%				
II A	Surveillance of Change										
	1 Traffic Volume Counts	\$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
	3 Street System Changes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	4 Traffic Accidents	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	5 Transit System Data	\$0	\$0	\$0	\$1,188	\$1,188	\$9,500	\$1,188	\$1,188	\$9,500	\$11,875
	6 Dwelling Unit, Pop. & Emp. Change	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	7 Air Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	8 Vehicle Occupancy Rates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	9 Travel Time Studies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	10 Mapping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	11 Central Area Parking Inventory	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	12 Bike & Ped. Facilities Inventory	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	13 Bike & Ped. Counts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
II B	Long Range Transp. Plan										
	1 Collection of Base Year Data	\$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
	3 Travel Model Updates	\$0	\$0	\$0	\$11,250	\$11,250	\$90,000	\$11,250	\$11,250	\$90,000	\$112,500
	4 Travel Surveys	\$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
	6 Community Goals & Objectives	\$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
	8 Capacity Deficiency Analysis	\$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
	10 Transit Element of the LRTP	\$0	\$0	\$0	\$2,813	\$2,813	\$22,500	\$2,813	\$2,813	\$22,500	\$28,125
	11 Bicycle & Ped. Element of the LRTP	\$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
	13 Collector Street Element of LRTP	\$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
	15 Freight Movement/Mobility Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	16 Financial Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	17 Congestion Management Strategies	\$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
II C	Short Range Transit Planning										
	1 Short Range Transit Planning	\$0	\$0	\$0	\$41,875	\$41,875	\$335,000	\$41,875	\$41,875	\$335,000	\$418,750
III-A	Planning Work Program										
	Planning Work Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-B	Transp. Improvement Plan										
	TIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-C	Cvl Rgts. Cmp./Otr .Reg. Req.										
	1 Title VI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2 Environmental Justice	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	3 Minority Business Enterprise	\$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
	5 Safety/Drug Control Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	6 Public Involvement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	7 Private Sector Participation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-D	Incidental Plng./Project Dev.										
	1 Transportation Enhancement Plng.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2 Enviro. Analysis & Pre-TIP Plng.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	3 Special Studies	\$0	\$0	\$0	\$49,250	\$49,250	\$394,000	\$49,250	\$49,250	\$394,000	\$492,500
	4 Regional or Statewide Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III E	Management & Operations										
	1 Management & Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Totals		\$0	\$0	\$0	\$106,375	\$106,375	\$851,000	\$106,375	\$106,375	\$851,000	\$1,063,750

Footnote: Program of activities for TTA are budgeted using FFY2012 Federal appropriations.

**TRIANGLE TRANSIT
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
2. FTA Code **442400**
3. Task Code **II-A-5**
4. Title ***Transit System Data***
5. Task Objective **To collect route patronage, on-time performance data, passenger amenity data and customer preferences for service improvements**
6. Tangible Product Expected **Route planning changes and recommendations from both staff and hired consultants**
7. Expected Completion / Date of Products **6/30/2012**
8. Previous Work **Regional APC data work already undertaken**
9. Prior FTA Funds (\$ amount/Funding Year) **\$145,600 (FY11) - 5307**
10. Relationship **APC data can be used to calibrate the travel times in the regional model. Data will inform route planning decisions.**
11. Agency Triangle Transit

				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%	\$1,188	
20. Section 5307 (planning)	NCDOT	10%	\$1,188	
21. Section 5307 (planning)	FTA	80%	\$9,500	<u>\$11,875 5307</u>
22. Additional Funds	Local	100%	\$0	<u>\$0 Misc.</u>
			Total	<u><u>\$11,875</u></u>

**TRIANGLE TRANSIT
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
2. FTA Code **442301**
3. Task Code **II-B-3**
4. Title **Travel Model Updates**
5. Task Objective **Support for Triangle Regional Model Service Bureau**
6. Tangible Product Expected **Updated Triangle Regional Model**
7. Expected Completion / Date of Products **6/30/2012**
8. Previous Work **Ongoing support of TRM service bureau**
9. Prior FTA Funds (\$ amount/Funding Year) **\$128,000 (FY11) - 5307**
10. Relationship **Supports the regional travel model utilized for the LRTP and other transit and highway planning purposes.**

11. Agency **Service Bureau at ITRE responsible for task - Triangle Transit is a funding partner**

Totals By Funding Source (100%)

12. HPR - Highway	NCDOT	20%	\$0	
13. HPR - Highway	FHWA	80%	\$0	\$0 HPR
14. Section 104 (f) PL	Local	20%	\$0	
15. Section 104 (f) PL	FHWA	80%	\$0	\$0 PL
16. Section 5303	Local	10%	\$0	
17. Section 5303	NCDOT	10%	\$0	
18. Section 5303	FTA	80%	\$0	\$0 5303
19. Section 5307 (planning)	Local	10%	\$11,250	
20. Section 5307 (planning)	NCDOT	10%	\$11,250	
21. Section 5307 (planning)	FTA	80%	\$90,000	\$112,500 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total	\$112,500

**TRIANGLE TRANSIT
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
2. FTA Code **442301**
3. Task Code **II-B-10**
4. Title **Transit Element of the LRTP**
5. Task Objective **To provide travel market analysis and cost information for development of transit investments for the LRTP; and to acquire GIS support services from TJCOG**
6. Tangible Product Expected **Technical planning report provided to regional leaders and the MPO; other GIS service needs as required.**
7. Expected Completion / Date of Products **6/30/2012**
8. Previous Work **Continued and ongoing regional corridor analysis for LRTP and other projects**
9. Prior FTA Funds (\$ amount/Funding Year) **\$36,000 (FY11) - 5307**
10. Relationship **This supports regional transit planning for capital**
11. Agency Triangle Transit (with joint sponsorship by TJCOG and I

				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%	\$2,813	
20. Section 5307 (planning)	NCDOT	10%	\$2,813	
21. Section 5307 (planning)	FTA	80%	\$22,500	<u>\$28,125 5307</u>
22. Additional Funds	Local	100%	\$0	<u>\$0 Misc.</u>
			Total	<u><u>\$28,125</u></u>

**TRIANGLE TRANSIT
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
 2. FTA Code **442400**
 3. Task Code **II-C-1**
 4. Title **Short Range Transit Planning**

5. Task Objective **This covers a portion of staff salaries in the Departments of Commuter Resources and Capital Development related to Triangle Transit's short-range transit service and facility planning; also planning and engineering to improve accessibility of Bus stops and facilities**

6. Tangible Product Expected **On-going staff salaries**

7. Expected Completion / Date of Products **6/30/2012**

8. Previous Work **Ongoing staff salaries**

9. Prior FTA Funds (\$ amount/Funding Year) **\$536,000 (FY11) - 5307**

10. Relationship **Provides staff support to carry out Triangle Transit planning**

11. Agency Triangle Transit

				Totals By Funding Source (100%)	
12. HPR - Highway	NCDOT	20%	\$0		
13. HPR - Highway	FHWA	80%	\$0	\$0 HPR	
14. Section 104 (f) PL	Local	20%	\$0		
15. Section 104 (f) PL	FHWA	80%	\$0	\$0 PL	
16. Section 5303	Local	10%	\$0		
17. Section 5303	NCDOT	10%	\$0		
18. Section 5303	FTA	80%	\$0	\$0 5303	
19. Section 5307 (planning)	Local	10%	\$41,875		
20. Section 5307 (planning)	NCDOT	10%	\$41,875		
21. Section 5307 (planning)	FTA	80%	\$335,000	\$418,750 5307	
22. Additional Funds	Local	100%	\$0	\$0 Misc.	
			Total	\$418,750	

**TRIANGLE TRANSIT
FTA TASK NARRATIVE TABLE
FY2011-2012 (FY 2012) UPWP**

1. MPO Durham-Chapel Hill-Carrboro (DCHC)
2. FTA Code **442302**
3. Task Code **III-D-3**
4. Title ***Special Studies***
5. Task Objective **Studies may be conducted for corridors that show promise during the course of the development of the transit element of the LRTP, 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**
6. Tangible Product Expected **RFP and/or Technical Report**
7. Expected Completion / Date of Products **6/30/2012**
8. Previous Work **URS Reports, MAB Analyses, Jeff Parker Financial Analysis**
9. Prior FTA Funds (\$ amount/Funding Year) **\$110,400 (FY11) - 5307**
10. Relationship **This task will follow from the transit infrastructure planning conducted for the LRTP.**
11. Agency Triangle Transit

				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%	\$49,250	
20. Section 5307 (planning)	NCDOT	10%	\$49,250	
21. Section 5307 (planning)	FTA	80%	\$394,000	<u>\$492,500 5307</u>
22. Additional Funds	Local	100%	\$0	<u>\$0 Misc.</u>
			Total	<u><u>\$492,500</u></u>

Appendices C

Disadvantaged Business Enterprise (DBE) Contracting Opportunities

FY12 Forms

CITY OF DURHAM Anticipated DBE Contracting Opportunities for FY12

Name of MPO: CITY OF DURHAM

Person Completing Form: Felix Nwoko

Telephone Number: 919-560-4366 ext. 36424

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 PLANNED DBE CONTRACTING OPPORTUNITIES ASSOCIATED WITH THIS GRANT	DRAFT 2				

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.

CITY OF DURHAM Anticipated DBE Contracting Opportunities for FY12

Name of MPO: CITY OF DURHAM (DATA)

Person Completing Form: Pierre Owusu

Telephone Number: 919-560-5343 ext. 36214

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 PLANNED DBE CONTRACTING OPPORTUNITIES ASSOCIATED WITH THIS GRANT	DRAFT 2				\$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 Anticipated DBE Contracting Opportunities for FY12

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.	DRAFT 2			\$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
Anticipated DBE Contracting Opportunities for FY12

Name of MPO/Member Agency: **Durham-Chapel Hill-Carrboro MPO**

Person Completing Form: Patrick McDonough, Triangle Transit

Telephone Number 919-485-7455

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
III-D-3	Special Studies	Triangle Transit	Consultant	\$630,400	\$788,000
II-A-5	Transit System Data	Triangle Transit	Consultant	Zero to \$15,200	Zero to \$19,000

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.

DCHC MPO STPDA Funding Table for FY 2010 through 2015 - Approved March 9, 2011 - with proposed changes to be presented to the TAC for FY12 UPWP and 12-18 MTIP

Jurisdiction	TIP No	Description	Cost 100%	Cost 80%	2010		2011		2012		2013		2014		2015		
					Phase	Cost	Phase	Cost	Phase	Cost	Phase	Cost	Phase	Cost	Phase	Cost	
Carrboro	U-4726	DC	Multi-use Path from Wilson Park to Estes Dr.	\$ 210,855	\$ 168,684			Construction	\$168,684								
Carrboro	U-4726	DE	Bolin Creek Greenway - Carrboro (Homestead to Chapel Hill HS Gr	\$ 737,500	\$ 590,000			Construction	\$590,000								
Carrboro	EL-4828		Morgan Creek Greenway - Carrboro	\$ 600,000	\$ 480,000			Planning	\$105,880	Construction	\$374,120						
Carrboro	U-4726	Dx	Bolin Creek Greenway (Jones Creek)	\$ 268,375	\$ 214,700			Construction	\$214,700								
Carrboro	U-4726	DD	Rogers Road - Sidewalk (Homestead to Meadow Run)	\$ 536,200	\$ 428,960			Planning	\$65,000	Construction	\$363,960						
Carrboro	U-4726	Dx	S. Greensboro St. - Sidewalk	\$ 58,300	\$ 46,640					Construction	\$46,640						
Carrboro	U-4726	Dx	Bicycle Loop Detectors	\$ 37,500	\$ 30,000			Construction	\$30,000								
Carrboro	U-4726	Dx	Bel Arbor-Plantation Acres Multi-use Path	\$ 83,750	\$ 67,000							Construction	\$ 67,000				
Chapel Hill	TG-4731		Chapel Hill Transit - Misc. Capital - Tires Purchase	\$ 255,415	\$ 204,332			Capital	\$ 204,332								
Chapel Hill	U-4727		Chapel Hill Transit Planning	\$ 1,357,500	\$ 1,086,000	UPWP/Planr	\$ 388,000	UPWP/Planr	\$ 373,000	UPWP/Planr	\$ 325,000						
Chapel Hill	U-4727		Intersection & Traffic Study @ RAMS Plaza	\$ 100,000	\$ 80,000	UPWP/Planr	\$ 32,000	UPWP/Planr	\$ 48,000								
Chapel Hill	SR-5001	AR	CH - Culbreth Rd: Cobble Ridge to Rossburn sidewalk	\$ 135,000	\$ 108,000			Construction	\$ 108,000								
Chapel Hill	U-5119		NC 86/US 15-501 BRT improvements	\$ 565,000	\$ 452,000					Construction	\$ 452,000						
Chapel Hill	TT-5109		FCC Radio Communications (Upgrade fleet)	\$ 1,250,000	\$ 1,000,000			Capital	\$ 1,000,000								
Chapel Hill	U-4726	IG	Morgan Creek Greenway Phase 2 - Chapel Hill	\$ 700,000	\$ 560,000			Construction	\$ 560,000								
Chapel Hill	U-4726	IF	Bolin Creek Stairs - Chapel Hill	\$ 125,000	\$ 100,000					Construction	\$ 100,000						
Chapel Hill	U-4726	Ix	CH - Chapel Hill Sidewalks	\$ 400,000	\$ 320,000			Construction	\$ 320,000								
Chapel Hill	U-4726	Ix	NC86/other locations Pedestrian Safety Improvements	\$ 375,000	\$ 300,000			Construction	\$ 150,000	Construction	\$ 150,000						
Chapel Hill	U-4727		Greenways/Bike Ped Maps	\$ 30,000	\$ 24,000			UPWP/Planr	\$ 24,000								
Chapel Hill	U-4726	Ix	Bolin Creek Greenway construction	\$ 937,500	\$ 750,000							Construction	\$ 750,000				
Chapel Hill	TT-5109		Technology: Automatic Passenger Counters	\$ 55,811	\$ 44,649			Capital	\$ 44,649								
Durham	U-4445		NC 147 Bicycle/Pedestrian Bridge - Durham	\$ 500,000	\$ 400,000	Construction	\$400,000										
Durham	E-2921E		American Tobacco Trail Phase E - Durham, Durham County	\$ 1,680,000	\$ 1,344,000	Construction	\$1,344,000										
Durham	U-4726	HL	Barbee Rd. (Orindo to Pearson town Elem.) Sidewalk	\$ 19,600	\$ 15,680					Construction	\$15,680						
Durham	U-4726	HL	DATA Sidewalk	\$ 19,800	\$ 15,840					Construction	\$15,840						
Durham	C-4928		Morreene Road - Bike/Ped Facilities (Neal to Erwin)	\$ 1,560,000	\$ 1,248,000					Planning	\$100,000			Construction	\$ 1,148,000		
Durham	U-4724		Cornwallis Road - Bike/Ped Facilities (S. Roxboro to University or C	\$ 2,395,000	\$ 1,916,000					Planning	\$255,000			Construction	\$ 1,661,000		
Durham	U-3804		Hillandale (I-85 to Carver) - Sidewalks	\$ 81,144	\$ 64,915	Construction	\$64,915										
Durham	U-4726	Hx	Carpenter Fletcher - Bike/Ped Facilities (Woodcroft to Alston)	\$ 1,174,716	\$ 939,773					Planning	\$255,000			Construction	\$ 684,773		
Durham	U-4726	Hx	Avondale - Sidewalk (I-85 to Geer)	\$ 515,000	\$ 412,000					Construction	\$412,000						
Durham	U-4726	Hx	Cheek - Bike/Ped Facilities (Geer to Hardee)	\$ 695,000	\$ 556,000					Construction	\$556,000						
Durham	U-4726	Hx	Hillandale - Bike/Ped Facilities (I-85 to Fulton)	\$ 1,315,484	\$ 1,052,387					Planning	\$157,858			Construction	\$ 894,529		
Durham	U-4726	Hx	Holloway St sidewalks	\$ 157,106	\$ 125,685									Construction	\$ 125,685		
Durham	TT-5110		Technology: Automatic Passenger Counters	\$ 98,490	\$ 78,792			Capital	\$78,792								
Durham	SR-5001	C	Fayetteville Road (Cornwallis to Nelson) bicycle lanes and sidewalk	\$ 251,000	\$ 200,800					Construction	\$200,800						
LPA	U-4727		UPWP - staff and routine	\$ 4,962,103	\$ 3,969,682	UPWP/Planr	\$ 405,872	UPWP/Planr	\$ 632,709	UPWP/Planr	\$ 856,364	UPWP/Planr	\$ 671,241	UPWP/Planr	\$ 691,378	UPWP/Planr	\$ 712,119
LPA	U-4727		UPWP - ITS Deployment Plan Update	\$ 70,000	\$ 56,000	UPWP/Planr	\$ 56,000										
LPA	U-4727		UPWP - Bike/Ped (non-motorized trip)Model Development	\$ 175,000	\$ 140,000	UPWP/Planr	\$ 113,500	UPWP/Planr	\$ 26,500								
LPA	U-4727		UPWP - GIS Integration and Automation	\$ 200,000	\$ 160,000	UPWP/Planr	\$ 160,000										
LPA	U-4727		UPWP - Land Use Model Development	\$ 250,000	\$ 200,000	UPWP/Planr	\$ 200,000										
LPA	U-4727		UPWP - MPO Collector Street Plan	\$ 50,000	\$ 40,000	UPWP/Planr	\$ 40,000										
LPA	U-4727		UPWP - NC 54 Subarea Study	\$ 250,000	\$ 200,000	UPWP/Planr	\$ 150,000	UPWP/Planr	\$ 50,000								
LPA	U-4727		UPWP - Commercial Vehicle Study	\$ 125,000	\$ 100,000	UPWP/Planr	\$ 55,100	UPWP/Planr	\$ 44,900								
LPA	U-4727		UPWP - GIS Integration Phase II	\$ 375,000	\$ 300,000					UPWP/Planr	\$ 150,000	UPWP/Planr	\$ 150,000				
LPA	U-4727		UPWP - Parking Study	\$ 125,000	\$ 100,000					UPWP/Planr	\$ 100,000						
LPA	U-4727		UPWP - Transit Studies	\$ 546,454	\$ 437,163					UPWP/Planr	\$ 137,163	UPWP/Planr	\$ 300,000				
TJCOG	U-4727		UPWP - staff and routine	\$ 210,541	\$ 168,433	UPWP/Planr	\$ 26,922	UPWP/Planr	\$ 26,922	UPWP/Planr	\$ 27,595	UPWP/Planr	\$ 28,285	UPWP/Planr	\$ 28,992	UPWP/Planr	\$ 29,717
TJCOG	U-4727		UPWP - LUCID project/ Fiscal Constraints	\$ 13,354	\$ 10,683			UPWP/Planr	\$ 3,078	UPWP/Planr	\$ 7,605						
TJCOG	U-4727		UPWP - HUD Grant	\$ 25,000	\$ 20,000					UPWP/Planr	\$ 20,000						
NCDOT	EB-4707		Old Durham-Chapel Hill Road - Chapel Hill, Durham	\$ 4,639,000	\$ 3,711,200	ROW	\$191,200	ROW	\$320,000	Construction	\$3,200,000						
Triangle Transit	TT-4911		Technology: Automatic Passenger Counters	\$ 49,245	\$ 39,396			Capital	\$39,396								
				\$ 31,346,743	\$ 25,077,394		\$ 3,627,509		\$5,228,542		\$8,278,625		\$ 1,966,526		\$ 5,234,357	\$ 741,836	

MTIP changes to be approved as part of FY12-18 MTIP

Moved Beyond One-Year Grace Period

UPWP changes to be approved as part of FY12 UPWP

April 27, 2011

To: Transportation Coordinating Committee**From:** Lead Planning Agency (LPA)**Subject:** Resolution of Support for the Closing of Pickett Road in Orange County for the Hollow Rock Access Area

Summary

The Hollow Rock Access Area Master Plan recommends closing Pickett Road through the park to reduce conflicts between park uses and through vehicle traffic. The Orange County Board of County Commissioners will need to initiate the road closing procedure with the North Carolina Department of Transportation (NCDOT). Given the road closing impacts on Durham citizens, the Durham City/County Planning staff organized and conducted a meeting for residents in the vicinity of Pickett Road. Approximately 55 people attended, and comments regarding the closing of Pickett Road received at the meeting were mixed. The primary concern of the attendees both in favor and opposed was the need for a traffic signal at the intersection of Randolph and Erwin Roads. City of Durham Transportation subsequently performed a traffic analysis in the area which determined that signal warrants were met at the intersection of Randolph Road and Erwin Road, and Kerley Road and Erwin Road. See attachment 9C.

The Durham City Council and Board of County Commissioners will review this issue and decide whether to adopt a resolution of support for the road closing at their May 2nd and May 9th meetings, respectively. At their March 9th meeting, TAC members asked that this issue be brought to the TAC for discussion and a vote at their April 13th meeting. The TCC reviewed this item at their March 23rd meeting and deferred moving the item until several issues could be answered. Staff from several agencies had a discussion on the proposed road closing on April 8th and the LPA modified the draft resolution to address the TCC issues.

Recommendation

Receive this report and adopt a resolution in support of closing Pickett Road in Orange County, subject to:

1. A traffic signal is installed at the intersection of Erwin Road and Randolph Road, and,
2. Retain public access for bicyclist and pedestrians to use the approximate former roadway alignment of Pickett Road thereby allowing interconnection from the remaining Pickett Road segment and Erwin Road, and,
3. Adequate vehicle turn around facilities be provided at the end of the state maintenance section of Pickett Road; and,
4. There be a process to permit vehicles to travel on Pickett Road between Randolph Road and Erwin Road in the case of an emergency.

Attachments

- XXA – Vicinity map of road closing
- XXB – Hollow Rock map (excerpt from Master Plan)
- XXC – Traffic Analysis Report
- XXD -- Resolution

Background

The Master Plan for the Hollow Rock Access Area was developed as a partnership between the City of Durham, Durham County, Orange County and the Town of Chapel Hill. The future parkland is bisected by Pickett Road, which the master plan recommended closing in Phase II of the park development to provide better pedestrian connectivity and allow for parking. See attachment 9B, and the following link is a copy of the Hollow Rock Park Master Plan Final Report:

<http://www.rtpnet.org/newhope/preserve/Hollow%20Rock%20Park%20Master%20Plan%20report%20%28Final%209-23-09%29-2.pdf>

The section of Pickett Road to be closed is designated as a minor thoroughfare on the Durham-Chapel Hill-Carrboro Urban Area Thoroughfare Plan. The DCHC MPO will complete a Comprehensive Transportation Plan (CTP) within the next year that will supersede the 1991 Thoroughfare Plan, and staff anticipates that Pickett Road will be designated as a local road, not a thoroughfare in the CTP. The road is currently unpaved west of the Trinity School, and no improvements are proposed or funded. Pickett Road is maintained by NCDOT.

The portion of Pickett Road proposed for closure is entirely within Orange County. In order to close the road, the State Board of Transportation must vote to remove it from the State system, and a street closing petition must be approved by the Orange County Board of Commissioners. While the street closing is not within Durham's jurisdiction, Orange County has requested that the Durham City Council and Durham County Board of Commissioners adopt resolutions of support to be forwarded to Orange County.

In June of 2010, Durham Planning staff organized and conducted a community meeting to receive public input about the potential closure of Pickett Road. The purpose of the meeting was to receive input from Durham County residents, who would be most impacted by the decision even though the road segment proposed to be closed is within Orange County. Approximately 55 people attended. Comments voiced by the attendees at the meeting itself were generally mixed. The most frequent comment from both supporters and opponents was that a traffic light was needed at the intersection of Erwin Road and Randolph Road. The Durham Bicycle and Pedestrian Advisory Commission (BPAC) wrote a letter requesting that the road alignment continue to be open to bicycle and pedestrian access in the event of a closing to vehicle traffic.

In the fall of 2010, the City Transportation Department agreed to perform a traffic analysis at three intersections in the vicinity of Pickett Road (see attachment 2): Erwin Road at Randolph Road, Erwin Road at Kerley Road, and Pickett Road at Randolph Road. The study concluded the first two intersections already meet signal warrants, regardless whether or not Pickett Road is closed. The intersection of Pickett Road and Randolph Road does not meet signal warrants in either case. Due to insufficient space, traffic signals cannot be placed at both the Erwin/Randolph and the Erwin/Kerley intersections. Transportation's study recommends that a roundabout be placed at the Erwin/Kerley intersection instead.

The results of this study and the traffic signal warrant information has been forwarded to the North Carolina Department of Transportation (NCDOT). Installation of a traffic signal or roundabout at these intersections would be at the discretion of the NCDOT because the intersections are outside the boundary of the City of Durham and are state maintained.

At the December 2010 Durham-Chapel Hill-Orange Work Group meeting, some members requested crash data for the intersection of Erwin Road and Pickett Road. While raw accident data is available from NCDOT, the City Transportation Department does not currently have resources available to provide analysis for intersection outside of the City's jurisdiction. It should be noted that even if Pickett Road is closed, a driveway to Hollow Rock Park is proposed in the same location.

The TCC reviewed the proposed Pickett Road closing at their March 23rd meeting and had the following issues:

1. Clarity on who receives ownership of ceded right-of-way, and if it is the adjacent property owners, how will bike/ped access be maintained on private property.
2. How will automobiles and maintenance vehicles turn around on the closed end of the Durham side?
3. NCDOT has experienced lots of dumping (refrigerators, trash, etc.) at dead end roads. Who will be responsible for clean up?
4. NCDOT might prefer that part of the Durham County portion be closed and that the gate be located further east in the Durham side to reduce the incidence of dumping, i.e., the closely located houses and school will discourage dumping.
5. The park master plan shows vehicular access to the park from both Erwin and Pickett Road. Will the proposed closing of the road provide / allow for what is shown on the master plan?
6. What portion of the unpaved portion of Pickett is actually being proposed to be closed?
7. There are limited connectivity between Erwin Road and Pickett Road in this area. Can the closing be accomplished in such a way that the unpaved section of Pickett would remain available as an emergency connection (for instance, if a tree fell across Randolph in a hurricane)?

Staff from several agencies had a discussion on the proposed road closing on April 8th and the all the TCC issues appeared to be adequately addressed except that of trash dumping. At this time, an Orange County staff person is retrieving dumped items on an ad hoc basis.

Issues and Analysis

The closing of Pickett Road could have an impact on Durham residents, particularly those who live on Randolph Road. However, leaving the road open could undermine the public and private investment in the Hollow Rock Access Area.

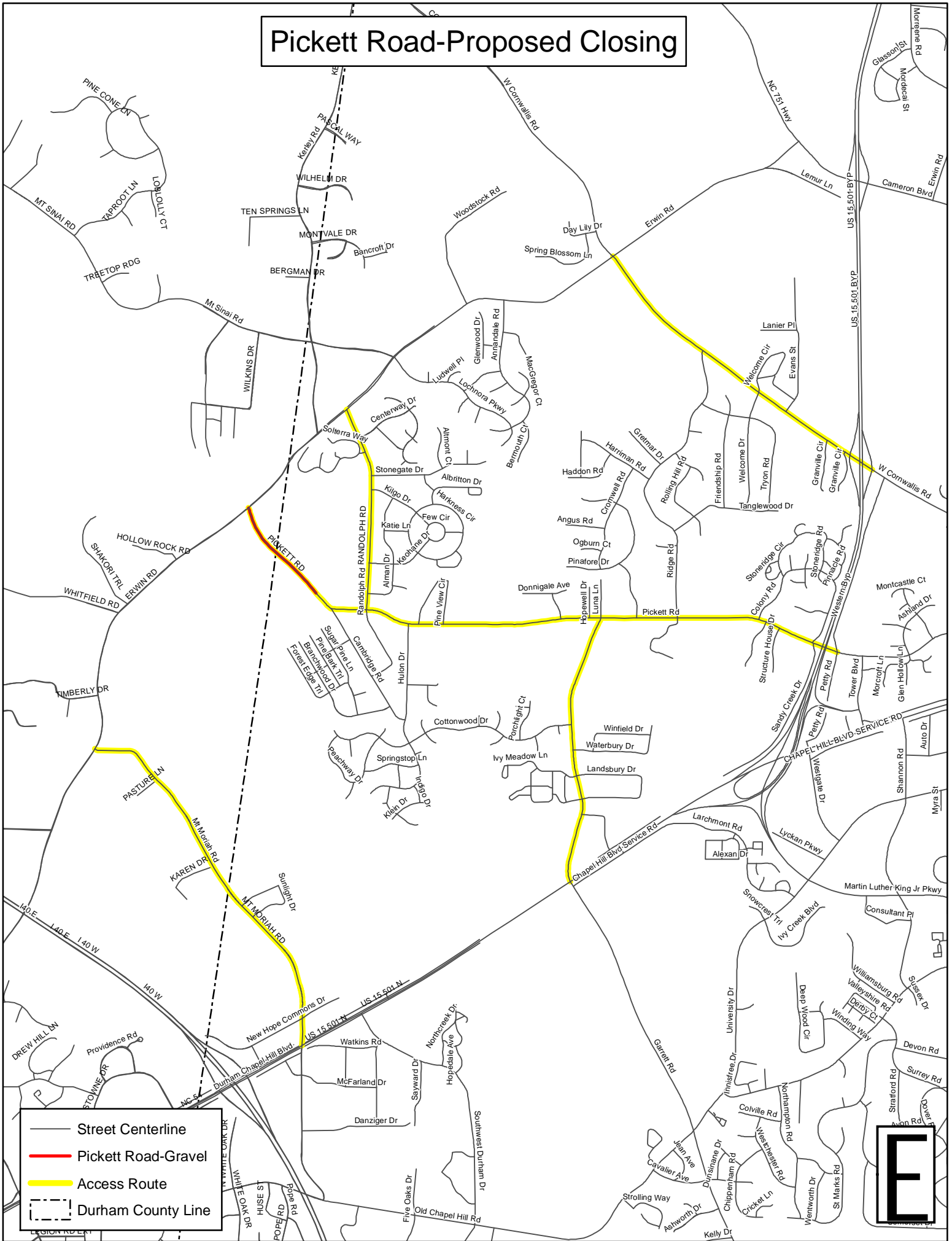
The City of Durham Comprehensive Plan, chapter 8, calls for a “continuous and comprehensible street network” and the unified development ordinance rates new developments on a connectivity ratio. The proposed street closing runs counter to the connectivity objectives of the Plan and ordinance, e.g., south Durham residents will need to drive a longer, more circuitous route to get to the proposed park.





The subject section of Pickett Road had only 645 daily trips in 2009, compared to 3,972 on Randolph Road. It is reasonable to assume that many of the Pickett Road trips would be diverted to Randolph Road, as the closest alternative route. The provision of a traffic signal at the intersection of Randolph

Road and Erwin Road would address present circulation and safety problems at that location, and could help alleviate the impacts of the additional traffic. While a roundabout is warranted by current conditions at the intersection of Kerley Road and Erwin Road, that location would be less impacted by the closure of Pickett Road and could be cost prohibitive.

It is understood that the road will be closed by placing a gate across the road on the Orange County section so that no vehicles, except emergency vehicles, will be able to pass through. The MPO and NCDOT will want to ensure that vehicles have an adequate facility for turning around at the end of the state maintained section of the roadway, and that vehicles have pass through access in case of an emergency. In addition, the MPO will want to ensure that bicyclists and pedestrians are able to pass through or around the gate, and use the roadway alignment, to continue using the road alignment for through access. The NCDOT does not own the right-of-way for the unpaved section of Pickett Road, and so apparently maintains the road through an implied usage.

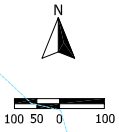
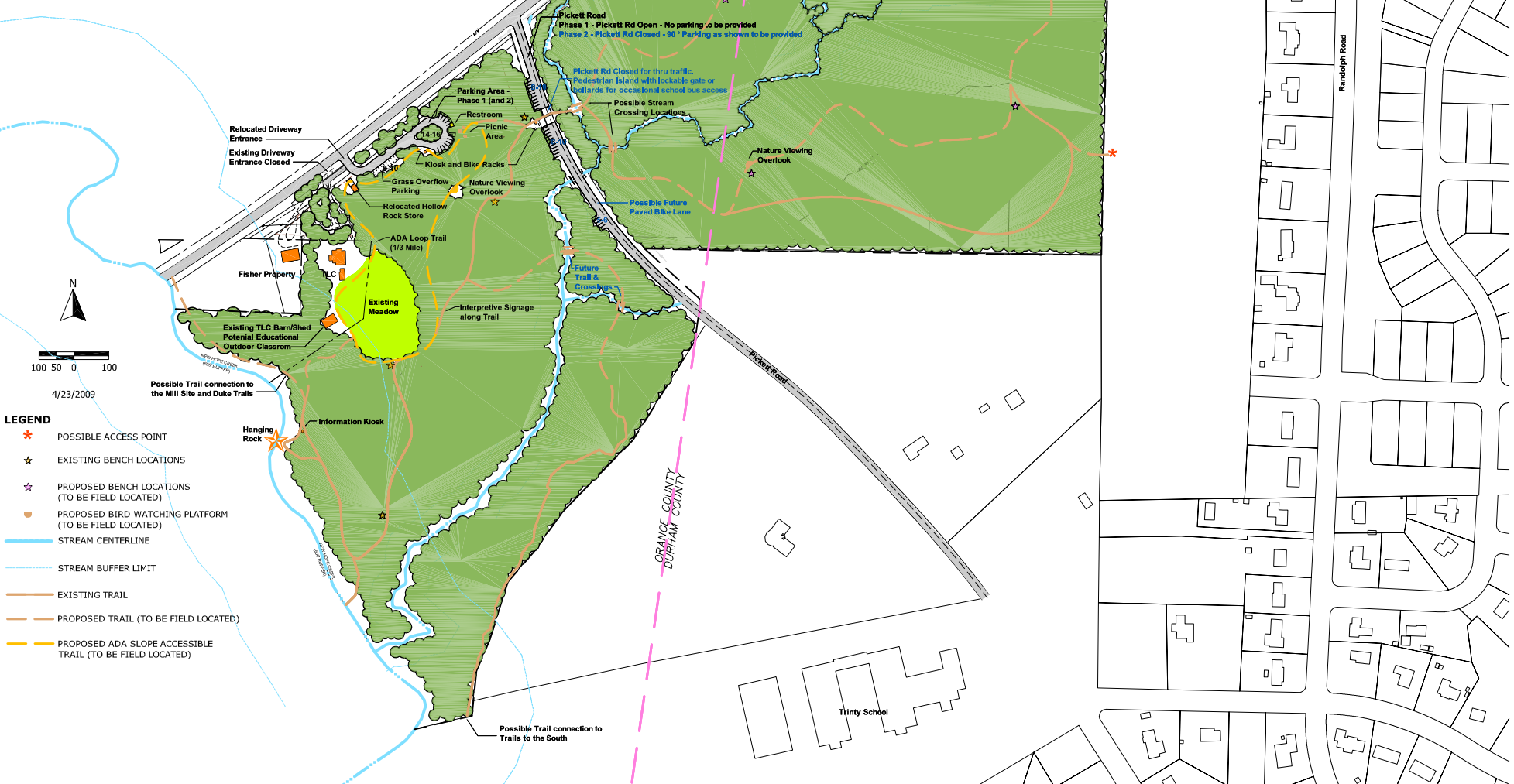
Pickett Road-Proposed Closing



-  Street Centerline
-  Pickett Road-Gravel
-  Access Route
-  Durham County Line



Proposed Master Plan Hollow Rock Access Area at New Hope Preserve Phase 1 Pickett Road Opened Phase 2 Pickett Road Closed



- 4/23/2009
- LEGEND**
- POSSIBLE ACCESS POINT
 - EXISTING BENCH LOCATIONS
 - PROPOSED BENCH LOCATIONS (TO BE FIELD LOCATED)
 - PROPOSED BIRD WATCHING PLATFORM (TO BE FIELD LOCATED)
 - STREAM CENTERLINE
 - STREAM BUFFER LIMIT
 - EXISTING TRAIL
 - PROPOSED TRAIL (TO BE FIELD LOCATED)
 - PROPOSED ADA SLOPE ACCESSIBLE TRAIL (TO BE FIELD LOCATED)

Possible Trail connection to the Mill Site and Duke Trails

Possible Trail connection to Trails to the South

Traffic Analysis Report

INTRODUCTION:

This report summarizes the findings of existing road conditions and the anticipated impact of the proposed closure of Pickett Road associated with the Hollow Rock Access Area Master Plan (<http://www.co.orange.nc.us/ercd/parks/HollowRockAccessArea.asp>).

The scope of this study is to assess if proper traffic control measures are currently in place on the surrounding roadway network and to determine the impact of the traffic redistribution by the proposed closing of Pickett Road at Erwin Road. It was determined that the following traffic conditions would need to be studied in order to accomplish this objective.

- Existing (2010) traffic conditions
- After (with closure of Pickett Road) traffic conditions

STUDY AREA:

The site (New Hope Preserve) is located on the southeast side of Erwin Road (SR 1306) just south of the intersections of Kerley Road (SR 1304) and Randolph Road (SR 1302). This report focuses on the following intersections:

- 1) Pickett Road (SR 1303) and Randolph Road (SR 1302)
- 2) Erwin Road (SR 1306) and Randolph Road (SR 1302)
- 3) Erwin Road (SR 1306) and Kerley Road (SR 1304)

ANALYSIS PROCEDURE:

Study intersections were analyzed using the Traffic Control Signal Warrants as outlined in the 2003 Manual on Uniform Traffic Control Devices (MUTCD) published by the U.S. Department of Transportation. As outlined in this manual a comprehensive investigation of the physical characteristics of the above referenced intersections, as well as the surrounding road grid network was completed. In addition, we collected the daily traffic volume for one week, collected speed data, and examined the individual accident history reports for the respective intersections.

For evaluation of existing conditions, the highest daily volume for each approach was selected for analysis purposes. For the proposed closing of Pickett Road, traffic counts that were previously collected (2009) at the proposed closure point were factored into the existing conditions.

Existing and proposed conditions were evaluated utilizing the 2006 PC-Warrants for Windows software, published by JAMAR Technologies, Incorporated.

ANALYSIS:**Pickett Road and Randolph Road**

The intersection was analyzed for signalization under existing and proposed conditions (closure of Pickett Road) with the following roadway characteristics. Copies of the signal warrant analysis and accident history report are attached.

Existing Conditions:

- Four-way intersection with a single lane approach for all directions
- Unsignalized with stop sign control on Randolph Road
- Stop ahead sign approaching intersection on Randolph Road (NB)
- Intersection ahead warning sign on Pickett Road approaching Randolph (WB)
- Adjacent land use is residential
- School Zone west of intersection
- Axle Weight Limit of 6.5 tons east of Randolph Road on Pickett Road
- No overhead lighting at the intersection proper
- No sight distance obstructions observed
- Posted speed limit:
 - South of Pickett Road on Randolph Road 25 mph
 - North of Pickett Road on Randolph Road 35 mph
 - Pickett Road 35 mph east and west of Randolph Road

Findings: (Existing Conditions)

No signal warrants were met and no deficiencies were identified from a pavement marking or signing standpoint. The accident history report, for the last five years, revealed three correctable type accidents. There were no correctable accidents reported over the last year. In summary, the intersection does not meet the threshold for crash experience as outlined in the signal warrants.

Findings: (Proposed Conditions)

No signal warrants were met with the proposed closure of Pickett Road.

Erwin Road and Randolph Road

The intersection was analyzed for signalization under existing and proposed conditions (closure of Pickett Road) with the following roadway characteristics. Copies of the signal warrant analysis and accident history report are attached.

Existing Conditions:

- Tee intersection with single lane approach eastbound on Erwin Road
- Two lane approach (1 TH, 1 LT) westbound Erwin Road
- Two lane approach (1 LT, 1 RT) northbound Randolph Road
- Unsignalized with stop sign control on Randolph Road
- Stop ahead sign approaching intersection on Randolph Road (NB)
- Intersection ahead warning sign on Erwin Road (EB) & (WB)
- Adjacent land use is primarily vacant with some residential
- School Zone east of intersection
- No overhead lighting at the intersection proper
- No sight distance obstructions observed
- Posted speed limit:
 - Randolph Road 35 mph
 - Erwin Road 45 mph

Findings: (Existing Conditions)

Signal warrants #1, #2, #3, and #8 were met. No deficiencies were identified from a pavement marking or signing standpoint. The accident history reports, for the last five years, revealed one rear-end type accident. No accident patterns or concerns from a safety standpoint were identified.

Findings: (Proposed Conditions)

Signal warrants #1, #2, #3, and #8 were met. No additional warrants were met with the proposed closure of Pickett Road factored in; however, an additional condition was met under warrant #1. In addition, the number of hours exceeding the thresholds increased under multiple conditions within the individual warrant summaries. The proposed closure of Pickett Road further signifies the need for additional traffic control at this intersection.

Erwin Road and Kerley Road

The intersection was analyzed for signalization under existing and proposed conditions (closure of Pickett Road) with the following roadway characteristics. Copies of the signal warrant analysis and accident history report are attached.

Existing Conditions:

- Tee intersection with single lane approach for all directions
- Unsignalized with stop sign control on Kerley Road
- Stop ahead sign approaching intersection on Kerley Road (SB)
- Intersection ahead warning sign on Erwin Road (WB)
- Adjacent land use is residential and commercial
- School Zone north of intersection
- Overhead street lighting on one corner of the intersection
- No sight distance obstructions observed
- Posted speed limit:
 - Kerley Road 45 mph
 - Erwin Road 45 mph

Findings: (Existing Conditions)

Signal warrants #1, #2, #3, and #8 were met. No deficiencies were identified from a pavement marking or signing standpoint. The accident history reports revealed that there were a total of 6 accidents over the last 5-year period resulting in 2 injuries with total property damage of \$37,600. Of the 6 reported accidents, 2 were of the correctable nature. The severity index was 11.83. There were no correctable accidents reported over the last year. In summary, the intersection does not meet the threshold for crash experience as outlined in the signal warrants.

Findings: (Proposed Conditions)

Signal warrants #1, #2, #3, and #8 were met. No additional warrants were met with the proposed closure of Pickett Road factored in; however, an additional condition was met under warrant #1. In addition, the number of hours exceeding the thresholds increased under multiple conditions within the individual warrant summaries. The proposed closure of Pickett Road further signifies the need for additional traffic control at this intersection.

CONCLUSIONS:

This study revealed the need for additional traffic control at two of the focus intersections. The proposed closure of Pickett Road further solidifies this need.

As noted in this report, currently Warrants #1, #2, #3, and #8 are solidly met at the intersections of Randolph Road/Erwin Road and Kerley Road/Erwin Road. The accident history report did not reveal any existing patterns of concern at either intersection; however, past experience suggests that the crash experience will likely increase when undue delay occurs.

Warrant #3 is the best indicator for undue delay on the minor-street and there are now 5 periods (hours) that are plotting above the minimum threshold for both intersections. This coupled with a posted speed limit of 45 mph on Erwin Road, suggests that there is an increased risk for more severe crashes. We believe appropriate applied traffic control measures can mitigate the potential for such an occurrence. In summary, with 4 significant warrants being met and a potential for severe crashes going forward, we believe there is sufficient justification for immediate action.

The City of Durham recommends signalization at one of the intersections and a roundabout at the other. Signalization is warranted at both intersections, but due to other factors and the unique characteristics of each intersection, signalizing both is not desirable. The main issue, for not signalizing both locations, is the close proximity of the intersections. These two intersections are within 750' of one another. Other determining factors are related to the physical layout of the respective intersections.

The leading factor for selecting Randolph Road and Erwin Road for signalization is for efficiency and operational reasons. Operational reliability will likely translate into a desirable safety performance. Operationally, a signal here will enhance the movement of vehicles due to the spacing with the adjacent existing signal at Lochnora Parkway/Mt. Sinai Road/Erwin Road. The approximate spacing is 1500' and is a desirable distance to maintain vehicular progression for motorists traveling this segment of roadway. Other important factors were carefully evaluated. This intersection is more conducive to adding signalization because of the physical layout. The geometric alignment is advantageous consisting of the classic 90 degree aligned tee intersection with excellent sight lines. Proper channelization, including paved turn lanes are in place and there are no utility conflicts with poles, cabinet, wires, and signal head installations.

The intersection of Kerley Road and Erwin Road is better suited for a roundabout installation. As noted in the MUTCD, signal installation is not the panacea for all traffic problems at intersections. There are other alternatives and in some cases better treatments for addressing the problems associated with signal warrant indicators. One treatment gaining popularity in the United States is the roundabout installation. Unfortunately, the rapid expansion of the use of roundabouts is currently not controlled by any real warrants. However, it has been proven that roundabouts are effective in moving vehicles with decreased delay and greater efficiency than traffic signals in some instances.

Although this intersection does not meet the crash experience warrant for a signal, the severity index is somewhat elevated. Our recommendation for a roundabout is an excellent treatment to

address the high severity indicator. Roundabouts are not only popular for their operational benefits, but are proven to be useful enhancements for traffic calming and safety. A roundabout effectively decreases driving speeds to 30 mph or less and significantly reduces the number of vehicular conflict points. Both characteristics will likely improve the high severity index at this intersection. Another factor supporting a roundabout installation is the close proximity to the intersection of Randolph Road and Erwin Road. While 750' is less than attractive for two adjacent signal installations, this spacing is workable for a roundabout. Lastly, the skewed alignment of Kerley Road with Erwin Road points to a roundabout as a fitting treatment.

RECOMMENDATIONS:

The following are roadway improvements recommended under current conditions:

Pickett Road and Randolph Road

- No improvements are recommended at this intersection

Erwin Road and Randolph Road

- Signal installation is recommended

Erwin Road and Kerley Road

- Roundabout installation is recommended

**DURHAM-CHAPEL HILL-CARRBORO
METROPOLITAN PLANNING ORGANIZATION (DCHC MPO)
RESOLUTION IN SUPPORT OF THE CLOSURE OF A PORTION OF PICKETT ROAD IN
ORANGE COUNTY**

May 11, 2011

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 citizens of Durham and Orange Counties have made significant investments in Hollow Rock Park; and

WHEREAS, The Master Plan for the Hollow Rock Access Area of the New Hope Preserve was adopted by the Durham City Council on November 16, 2009; and

WHEREAS, through traffic on Pickett Road may be detrimental to the success of the Park; and

WHEREAS, the current average daily traffic volume on the subject portion of Pickett Road is only 645 vehicles per day; and

WHEREAS, a traffic analysis performed by the City Transportation Department determined signal warrants are met at the intersections of Erwin Road and Randolph Road and Erwin Road and Kerley Road.

NOW, THEREFORE BE IT RESOLVED, the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization does support the permanent closure of Pickett Road in Orange County, in area between the Durham County line and Erwin Road, provided:

1. A traffic signal is installed at the intersection of Erwin Road and Randolph Road, and,
2. Retain public access for bicyclist and pedestrians to use the approximate former roadway alignment of Pickett Road thereby allowing interconnection from the remaining Pickett Road segment and Erwin Road, and,
3. Adequate vehicle turn around facilities be provided at the end of the state maintenance section of Pickett Road; and,
4. There be a process to permit vehicles to travel on Pickett Road between Randolph Road and Erwin Road in the case of an emergency.

Lydia E. Lavelle, TAC Chair

Durham County, North Carolina

I certify that Lydia E. Lavelle personally appeared before me this day acknowledging to me that she signed the forgoing document.

Date: May 11, 2011

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

MEMORANDUM

To: Technical Coordinating Committee
DCHC MPO

From: DCHC MPO Lead Planning Agency

Date: April 27, 2011

Subject: **FY 2012-2018 Metropolitan Transportation Improvement Program, 2035 Long Range Transportation Plan Amendment #2, and Air Quality Conformity Process**

The DCHC MPO will be approving three documents by August 2011:

- the FY 2012-2018 Metropolitan Transportation Improvement Program,
- Amendment #2 to the 2035 Long Range Transportation Plan,
- and corresponding air quality conformity determinations.

The MTIP must be coordinated with the State Transportation Improvement Program which is scheduled to be approved by the Board of Transportation in August 2011. The LRTP amendment is needed to ensure that the MTIP/STIP and the LRTP are consistent. Since both documents are subject to the air quality conformity process, an air quality conformity determination report must be prepared and approved.

A proposed schedule for the three documents is listed below:

- 2/9/2011 For the air quality modeling process, the TAC needs to identify changes to non-exempt projects in the first four years of the MTIP and projects crossing air quality horizon years in the LRTP.
The TAC releases the draft MTIP and LRTP Amendment #2 for public comment.
- 3/1/2011 through 6/17/2011 Air quality modeling, emission analysis, and conformity report preparation.
- 3/9/2011 The TAC holds a public hearing on the draft MTIP and LRTP Amendment #2.
- 6/8/2011 The TAC releases the air quality conformity draft for public comment.
TAC approves the final MTIP and LRTP Amendment #2 (subject to air quality conformity).
- 8/10/2011 The TAC holds a public hearing on the air quality conformity draft and approves the air quality determination report.
- 9/2/2011 Federal action on air quality conformity determination.

The approval of the final MTIP and LRTP Amendment #2 may shift later in the schedule as long as approval occurs by the August TAC meeting.

NCDOT is proceeding with finalizing the STIP and expects to provide MPOs a summary of changes in late April/early May. Since this information was not available at the time of posting the TCC agenda, LPA staff recommend that the TCC defer a recommendation for the final MTIP until the May TCC meeting.

Draft MTIP

The North Carolina Department of Transportation released the draft FY 2012-2018 State Transportation Improvement Program (STIP) in August 2010. The seven-year STIP is included within the Department's ten-year work program for FY 2011-2020. The DCHC MPO met with NCDOT to discuss the STIP in November 2010. Subsequently, the TCC developed a recommended draft FY 2012-2018 Metropolitan Transportation Improvement Program (MTIP).

The differences between the draft STIP and the draft MTIP are listed in the table below. Federal regulations require that the STIP and MTIP agree in the first four years (FY 2012-2015).

Changes to Draft STIP

Route	ID	Description/Miles/Cost	Changes
I-40	I-3306	I-85 in Orange Co. to US-15-501; add additional lanes. <ul style="list-style-type: none"> • 20.7 miles • \$47 million 	Define Phase A as NC 86 to Durham County Line (westbound) and Phase C as I-85 to NC 86 and NC 86 to Durham County Line (eastbound) (Phase B is completed Durham County project) Fund Phase A in FY 2016 and FY 2017 for \$10,208,000. Phase C \$36,792,000 unfunded in post year.
I-85	I-0305	I-40 at Hillsborough to Durham County Line. Widen to six lanes and reconstruct interchanges and structures.	Include widening of NC 86 from US 70A to Old NC 10.
Old Durham/Chapel Hill Rd	EB-4707	Garrett Rd. to US 15-501; bicycle and pedestrian improvements. <ul style="list-style-type: none"> • 2.7 miles • \$4 million 	Add \$1million in funding in FY 2012. (Placeholder for potential cost increase.)
US 15-501	U-5304	S. Columbia St. to Ephesus Ch. Rd.; sidewalks, wide outside lanes and transit accommodations. <ul style="list-style-type: none"> • 4 miles • \$5.1 million 	Accelerate by three years, thus construction starts FY 2016. Include roadway, transit, bicycle and pedestrian improvements consistent with recommendations of the Ephesus Church Road/Fordham Boulevard Transportation Study. <ul style="list-style-type: none"> • \$5 million + \$5.1 million

Route	ID	Description/Miles/Cost	Changes
NC 54	FS-1005C	I-40 to NC 55 in City of Durham; feasibility study <ul style="list-style-type: none"> • 5.2 miles • \$91 million 	Add \$30.333 M in FY 2017, FY 2018, and FY 2019 to fully fund the project.
Durham Orange	TN-5102	New Freedom – Beyond Am. Disability Act Requirements	Delete – redundant with TM-5129B
Durham Orange Chatham	TM-5123B	Job Access / Reverse Commute: Capital, Planning, Operating Cost	Added Chatham County, funding amounts to be updated
Durham Orange Chatham	TM-5129B	New Freedom – Beyond Am. Disability Act Requirements	Added Chatham County, funding amounts to be updated
Durham Orange	TE-4706Au	Fixed Guideway: Light Rail Service – Durham-Chapel Hill Right-of-way	Added Durham County, Changed to Triangle Transit
Durham Orange	TE-4706Bu	Fixed Guideway: Light Rail – Alternatives Analysis, PE & Design – Durham-Chapel Hill	Added Durham County, Changed to Triangle Transit

Additions to Draft STIP

Route	ID	Description/Miles/Cost
NC 54	New TIP project	I-40 to Fordham Blvd.; feasibility study that considers results of MPO's NC 54 Study and includes roadway, bicycle, pedestrian and transit improvements. <ul style="list-style-type: none"> • 1.7 miles Add funding for short-term recommendations of the NC 54 corridor study in FY 2016-2020. (Use draft report recommendations as placeholder for final report recommendations.) Short-term improvements in draft report: <ul style="list-style-type: none"> • Park-n-Ride: \$1,795,000 capital, \$720,000 operating • Transit: \$2,100,000 capital, \$4,066,200 operating • Bicycle and Pedestrian \$6,820,000 • Roadway \$6,100,000 (without collector street network) • Total: \$21,601,200
Fayetteville Road	New TIP project	Woodcroft Pkwy to Riddle Rd.; widen to multilane and include bicycle, pedestrian and transit improvements; add \$7 million in funding each year from FY 2016 through 2018. <ul style="list-style-type: none"> • 2.3 miles • \$21 million
Erwin Road	New TIP project	US 15-501 to NC 751; construct bicycle lanes, sidewalks and safety improvements; add \$5.5 million in funding in FY 2016. Statewide STP Enhancement program is suggested funding source. <ul style="list-style-type: none"> • 5.5 miles • \$5.5 million
Jack Bennett Road	New TIP project	US 15-501 to Lystra Rd.; safety improvements; add \$6.9 million in funding in FY 2016. <ul style="list-style-type: none"> • 2.3 miles • \$6.9 million

Route	ID	Description/Miles/Cost
Churton Street	R-2825	US 70 Business to I-40; congestion mgmt., aesthetic and capacity improvements; add \$9.5 million each year in FY 2019 and 2020. <ul style="list-style-type: none"> • 2.5 miles • \$19 million
Eno Mountain Road	U-3436	Eno Mtn. Rd. and Mayo St. alignment; add \$2.4 million in funding in FY 2020. <ul style="list-style-type: none"> • \$2.4 million
NC 86	New TIP project	US 70 Bypass to Coleman Loop Rd.; widen to multilanes; add \$7.5 million in funding in FY 2020. <ul style="list-style-type: none"> • 0.42 mile • \$7.5 million
Orange Grove Road	New TIP project	Churton St. to US 70 Alternate; construct roadway; add \$30 million to FY 2020. <ul style="list-style-type: none"> • 0.40 mile • \$30 million
Park and Ride Facilities	New TIP project	Construct park-n-ride lots in five corridors: US 501 north of Durham; I-85 east of Durham; I-40/I-85 near Mebane; US 15-501 between Durham and Chapel Hill; and, I-40/NC 751 in Durham. <ul style="list-style-type: none"> • 2,500 total parking spaces • \$5,625,000
Orange Grove Road Pedestrian Bridge	EB-4980	Construct pedestrian bridge over I-40 (or retrofit existing vehicle bridge to accommodate pedestrians). <ul style="list-style-type: none"> • 0.04 mile • \$400,000

A few minor edits have been made to the public transportation section of the draft STIP in the draft MTIP. The MPO will be working with the public transit agencies and NCDOT over the coming months to make sure that the STIP and MTIP accurately reflect all planned transit projects. Attachment 9B is the transit portion of the final STIP as transmitted by NCDOT in March 2011. This includes an amendment to add Section 5309 funding for DATA and Triangle Transit in FY 2011. Attachment 9C is a list of additions and deletions to the draft STIP as proposed by NCDOT.

In February, the TAC released the draft MTIP for public comment and held a public hearing at the March meeting. The MPO's public involvement plan establishes a minimum three-week public comment period. An advertisement was posted in the Herald-Sun on February 16, 2011, and a press release was issued on February 28, 2011. Copies are available in the planning departments of all MPO member jurisdictions and in public libraries as well as on www.dchcmo.org. Attachment 9A is a summary of public comments on the draft MTIP.

Attachment 6B is an updated the STPDA table. These changes are recommended to be rolled into the final MTIP.

2035 LRTP Amendment #2

Amendment #2 to the 2035 LRTP corrects the mileage for five projects to match the figures in the STIP/MTIP and changes the air quality horizon year for one project (Carver Street Extension). Attachment 9D is the resolution and table for Amendment #2. Additional changes are listed in the table to correct the Capital Area MPO's projects.

Several DCHC MPO projects were coded incorrectly in the modeled network for the 2035 LRTP air quality conformity determination. The air quality conformity determination for the 2012-2018 STIP/MTIP and 2035 LRTP Amendment #2 will correct this error. Since the projects were correctly listed in the 2035 LRTP report, no amendment is needed to correct this modeling error.

Draft FY 2012-2018 Metropolitan Transportation Improvement Program Summary of Public Comments

Comment: Request for information on the extension of Martin Luther King Parkway to Cornwallis Road.

Response: Staff sent the NCDOT feasibility study (2008) for improvements to this intersection to Debra Morgan. The cross-sections for the two alternatives in this feasibility study assume bicycle lanes and sidewalks.

Comment: Request to construct bicycle stations at future park-and-ride lots.

Response: As the location and design of future park and ride lots is being considered, DCHC MPO and local staffs will need to carefully consider the needs of bicyclists and opportunities to encourage bicycle use through the types of facilities available at the park and ride locations. DCHC staff has received additional information from the bicycle station representative who spoke at the public hearing.

Comment: Request to fund Erwin Road and University Drive bicycle and pedestrian projects.

Response: The DCHC MPO has requested that the Erwin Road project be funded. NCDOT's response is that this project will not be funded since they are over target for the subregional mobility category. NCDOT suggests using STPDA funding on this project. The University Drive project was the MPO's top ranked bicycle and pedestrian project and ranked third in the State according to NCDOT's prioritization. NCDOT bicycle and pedestrian staff have responded that the University Drive project will be funded in the final STIP.

Comment: Improve notification for public meetings.

Response: The DCHC MPO will update our email list and use it to send notices on public hearings. The MPO is also in the process of updating our website and investigating the use of social media for notices.

Comment: Request to use enhancement funds to buy the billboard near the R. Kelly Bryant Bicycle and Pedestrian Bridge over NC 147.

Response: DCHC staff spoke with Jimmy Travis, manager of NCDOT's Programs Management Office. Mr. Travis stated that the last call for transportation enhancement funds was in 2004, and he does not anticipate another call until after the passage of a federal reauthorization bill. He said the request for funds to buy the billboard could be submitted by the MPO for consideration as part of the next TIP process. However, according to NCDOT's SPOT office, enhancement projects will not be accepted in the next TIP prioritization process. Mr. Travis noted that while there currently appears to be a large balance of enhancement and CMAQ funds, in actuality NCDOT cannot spend these funds because they are being used as a cash reserve to enable accelerated construction of highway projects. DCHC staff also spoke with Rob Ayers of the North Carolina FHWA office. Mr. Ayers stated that NCDOT has the discretion to fund billboard removal through enhancement as well as other funding categories, and since there is not an avenue to submit a TIP request or separately apply for funds, the best course of action is to request funding through the DOT board member and division engineer. Mr. Ayers said that NCDOT has the discretion to manage federal funds in such a way that rescissions will disproportionately impact the enhancement and CMAQ funds.

Comment: Support for the acceleration of the widening of I-40 from US 15-501 to NC 86.

Response: Widening I-40 from US 15-501 to NC 86 in FY 2016 and 2017 is included in the recommended final MTIP. NCDOT's response is that they cannot accelerate the project within Division 7's equity constraint.

Comment: Orange County urges the funding of a sidewalk and pedestrian bridge at Orange Grove Road over I-40

Response: This project is not funding in the recommended final MTIP. The DCHC MPO will ask that it be reconsidered in the next TIP update with the revised project description.

Comment: Orange County urges the initiation of a feasibility study for wide shoulders on Dairyland Road

Response: The DCHC MPO supports this request to NCDOT.

Comment: Orange County urges the acceleration of replacing bridge 85 on Old Greensboro Road over Phil's Creek

Response: The DCHC MPO supports this request to NCDOT. NCDOT is considering accelerating bridge projects in the final STIP.

Comment: Orange County urges the inclusion of several project elements on I-0305 and the acceleration of I-0305A, widening I-85 from I-40 to SR 1709 (Lawrence Road),

Response: The DCHC MPO supports these requests. Most of these project elements will be considered as part of the environmental study for the project. The project will likely be constructed in phases and the MPO will support the western section as the first phase of the project.

Comment: Orange County urges the programming of projects to alleviate congestion in downtown Hillsborough.

Response: The DCHC MPO has made this request to NCDOT. NCDOT's response is that they cannot fund more projects in the subregional mobility category.

Comment: Orange County and the Town of Chapel Hill urge the acceleration and phasing of I-3306A, widening I-40 from NC 86 to Durham County. The Town of Chapel Hill requests the consideration of noise walls as part of the project.

Response: The DCHC MPO has made this request to NCDOT. NCDOT's response is that they cannot accelerate the project due to the limitation of the Equity Formula in Division 7. Noise walls will be considered during the environmental analysis.

Comment: Orange County urges the programming of improvements to Buckhorn Road.

Response: The DCHC MPO supports this request to NCDOT.

Comment: The Town of Chapel Hill requests the addition of \$1 million to the Old Durham-Chapel Hill Road project.

Response: The DCHC MPO supports funding this high priority project. Once the final estimate is certain, the MPO will seek additional state funds or STPDA funds. This will be completed through a MTIP amendment.

Comment: The Town of Chapel Hill requests the acceleration of U-5304, improvements to US 15-501, and the expansion of the project to Franklin Street.

Response: The DCHC MPO supports this request and will include this funding in the final MTIP.

Comment: The Town of Chapel Hill requests funding for the short-term recommendations of the NC 54 Corridor Study.

Response: The DCHC MPO supports this request and will consider adding these projects to the final MTIP or as an MTIP amendment.

Comment: The Town of Chapel Hill requests adding funding for improvements to Erwin Road.

Response: The DCHC MPO has made this request to NCDOT. NCDOT's response is that they cannot fund more projects in the subregional mobility category.

Comment: The Town of Chapel Hill requests including funding for expanded park-and-ride facilities at various locations including Eubanks Road and US 15-501

Response: The DCHC MPO supports this request and will include this in the final MTIP.

A RESOLUTION PROVIDING THE DURHAM-CHAPEL HILL-CARRBORO TRANSPORTATION ADVISORY COMMITTEE WITH RECOMMENDATIONS AND COMMENTS ON THE DRAFT 2012-2018 METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM.

WHEREAS, the North Carolina Department of Transportation has released a Draft 2012-2018 Transportation Improvement Program; and

WHEREAS, the Durham-Chapel Hill-Carrboro Transportation Advisory Committee has released the State draft as the Draft 2012-2018 Metropolitan Transportation Improvement Program; and

WHEREAS, the Transportation Advisory Committee has requested public comment on the draft Metropolitan Transportation Improvement Program; and

WHEREAS, the Town Council has reviewed the Draft 2012-2018 Metropolitan Transportation Improvement Program.

NOW, THEREFORE, BE IT RESOLVED, by the Council of the Town of Chapel Hill that the Council provides the Transportation Advisory Committee with the following comments and recommendations:

- Add an additional \$1 million to the Old Durham-Chapel Hill bicycle and pedestrian project in FY2012.
- Accelerate the I-40, US 15-501 to I-85, project by two years with construction funding in FY2017. Add an additional westbound lane from US 15-501 to NC86 as the first phase. Include an analysis of providing noise walls for adjoining neighborhoods as part of the project.
- Accelerate the proposed funding for bicycle, pedestrian and transit improvements along US 15-501 between South Columbia to Estes Drive to FY2016. In addition, the project scope should be expanded to Franklin Street and include bicycle facilities and a pedestrian bridge over US 15-501. A separate engineering study to implement recommendations of the Ephesus Church Road Transportation Study should be included and the overall project budget increased to \$12.1 million.
- Include short term funding in FY2016-2020 to implement recommendations of the NC54 Corridor Study.
- Add \$5.5 million in FY2016 for bicycle and pedestrian improvements to Erwin Road, between US 15-501 in Chapel Hill and NC751 in Durham.
- Include \$7.625 million for construction of new and expanded park ride facilities at various locations including Eubanks Road and US 15-501 in Chapel Hill.

This the 14th day of March, 2011

ORANGE COUNTY BOARD OF COUNTY COMMISSIONERS

**A RESOLUTION PROVIDING COMMENTS TO THE DURHAM-CHAPEL HILL-CARRBORO
TRANSPORTATION ADVISORY COMMITTEE REGARDING THE
DRAFT 2012 –2018 METROPOLITAN TRANSPORTATION IMPROVEMENT PROGRAM**

WHEREAS, Orange County, as a member of the DCHC MPO, has participated in the development of the Durham-Chapel Hill- Carrboro (DCHC) Metropolitan Priority List for the State Transportation Improvement Program (STIP); and

WHEREAS, the North Carolina Department of Transportation has revised its process for developing the State TIP to be more transparent, and has released the 2011-2020 Work Program containing a Draft 2012 – 2018 STIP for public comment; and

WHEREAS, the DCHC MPO Transportation Advisory Committee (TAC) is charged with the development of the Metropolitan Transportation Improvement Program (MTIP) to be included in the STIP, and has released the draft MTIP for public comment; and

WHEREAS, the Board of County Commissioners has reviewed the Draft 2012-2018 DCHC Metropolitan Transportation Improvement Program;

NOW, THEREFORE, BE IT RESOLVED by the Orange County Board of Commissioners that Orange County submits the following comments to the DCHC Transportation Advisory Committee to be considered in the development of the final 2012–2018 DCHC Metropolitan Transportation Improvement Program:

1. TIP Project E-4980, pedestrian bridge on Orange Grove Road over I-40: Orange County urges DOT to fund the construction of the pedestrian bridge in the 2011-2020 Transportation Improvement Plan. This pedestrian bridge is the central element in the Safe Routes to School plan for Grady A. Brown Elementary School and for Cedar Ridge High School. Without the bridge, the SRTS plan cannot move forward.

We also recommend that the project be modified to include a short stretch of sidewalk on the north side of the bridge extending from the bridge to Timbers Avenue. This stretch is only 0.14 mile long, but when it is in place, it will provide connectivity from the bridge to three high-density neighborhoods: Patriot's Point, Colonial Estates, and the Timbers. To improve the pedestrian access to the south of the bridge, the Orange County School System has committed to constructing a safe and comfortable path from the pedestrian bridge to the Cedar Ridge entrance. In phase II of the SRTS project implementation, we plan to apply for funding to construct a crosswalk from the Cedar Ridge campus to Grady Brown, thereby completing the connectivity.

This project will benefit many students and families. The Orange County school system estimates that over 126 high school students live within one mile of Cedar Ridge (2010 estimation). Most of these students live in the high-density Timbers, Patriot's Pointe, and Colonial Estates neighborhoods. The school system estimates that 136 Grady Brown Elementary students live in the same area. Safe walking routes will allow students (and families) to walk to school and to school-based activities such as sporting events and the

completed routes will help the school system save transportation dollars through the reduction in hazard busing.

The pedestrian overpass is the central and essential component for safe routes to these schools. We urge you to move forward with this project.

2. EB-5108, Dairyland Road (SR 1112), Union Chapel Grove Road (SR 1111) to Orange Grove Road (SR 1006), add wide paved shoulders

Orange County requests NCDOT to proceed without delay with the feasibility study scheduled in the 2009-2011 TIP. This area experiences high levels of bicycle traffic from Carrboro and Chapel Hill to rural routes. This route is a portion of the number 3 priority listed in Orange County's Priority List for the 2009-2015 TIP for projects outside the MAB. The entire project would connect the urbanized areas of Carrboro and Chapel Hill to Efland and Mebane via Dairyland Road, Orange Grove Road, and Buckhorn Road. The portion from Union Grove Church Road to Orange Grove Road is part of a loop that, along with Old NC 86, has been designated as a North Carolina Scenic Corridor. NCDOT, through the Moving Ahead Program and the Resurfacing Program has provided 2-ft. paved shoulders on Orange Grove Road, improving conditions for cyclists from Dairyland Road to NC 54. Orange County requested this project as a rural project, as most of the route was outside The DCHC MPO planning area. Recently the state approved an expansion of the Metropolitan Area Boundary, which now includes most of this route.

3. B-5348, Old Greensboro Road (SR 1005), replace bridge number 85 over Phil's Creek:

Orange County recommends accelerating this project. The Draft STIP proposes replacement of this bridge in 2019. NCDOT has programmed his portion of Old Greensboro Road to be resurfaced in 2011 and Orange County has requested 2' paved shoulders be included in the repaving project. The bridge will not handle being repaved and has been patched repeatedly to repair recurring potholes. Old Greensboro Road is identified in the Orange County Bicycle Plan and the DCHC Long Range Transportation Plan as a priority bicycle route, and is part of the NCDOT Mountains to Sea Bicycle Route (Route 2).

4. Project I-0305, widen I-85 to six lanes and reconstruct interchanges and structures:
Orange County requests that NCDOT consider comments submitted for previous TIP updates by Orange County regarding the I-85 widening project. Orange County requests the following based on previous County comments:

- Provide, in consultation with county staff, sidewalks and bike lanes along roads where interchange improvements are required, and to include adequate guardrails on overpasses;
- Provide 12' wide travel lanes and 4' wide bicycle lanes for a total paved width of 32' for any roads that may be relocated as part of the project (NCDOT Division of Highways Planning and Environmental Branch has previously indicated that Herman Church Road, SR 1713, and Old NC 10, SR 1710, may be relocated as part of I-305);
- Widen the overpass on NC 86 to accommodate increased traffic volumes resulting from recent development in the adjacent Economic Development District;
- As part of the project, widen NC 86 from US 70 A to Old NC 10, SR 1710, including bicycle lanes and sidewalks; and
- Consult with county staff regarding design of the US 70 interchange to:

- To bring to the attention of the NCDOT Staff Biologist, the proposed construction of a wildlife corridor under I-85 in the vicinity of US70 Interchange, as recommended in the "The New Hope Corridor Open Space Master Plan: Proposals for Linking Duke Forest and Eno River State Park"; and
- To provide a pedestrian trail under I-85 linking New Hope Creek and the Eno River (New Hope Rustic Woodland Trail proposed as an element of the Lands Legacy Program).

5. Projects to alleviate congestion in downtown Hillsborough

Orange County requests that studies be programmed for projects to alleviate congestion in downtown Hillsborough, now that the Elizabeth Brady Road Extension project has been canceled. These projects include:

- R-2825, South Churton Street improvements from I-40 to the Eno River;
- U-3436, Realignment of the Eno Mountain and Mayo Street intersections with Orange Grove Road;
- A new project to extend Orange Grove Street to US 70 A; and
- A new project to widen NC 86 from US 70 Bypass to NC 57 with intersection improvements at US 70.

ADDITIONAL COMMENTS

6. Orange County recognizes the importance of the I-85 widening project to economic development in the central portion of the County, and urges NCDOT to accelerate, if possible, Project I-0305A, widening I-85 from I-40 to west of SR 1709 (Lawrence Road) with reconstruction of the interchanges at Old NC 86 and at NC 86.
7. Additionally, the County supports acceleration and phasing of Project I-3306A, widening I-40 from I-85 to the Durham County Line, with Phase A being both eastbound and westbound segments from the Durham County Line to NC 86 and Phase C being the remainder of the project from NC 86 to I-85.
8. The County also recognizes the importance to economic development of improvements to Buckhorn Road, scheduled for reprioritization in 2012. Orange County urges the NCDOT and the MPO to give due consideration to the need for those improvements in the 2014-2020 STIP and MTIP. This project ranked 13th in the SPOT process for the Triangle Area Rural Planning Organization.
9. The County requests that its highly ranked projects submitted through the Triangle Area Rural Planning Organization that are in areas added in 2010 to the Durham-Chapel Hill-Carrboro Metropolitan Area Boundary are not overlooked. The County requests that such projects that are not programmed in the Draft STIP or MTIP be added to the list of projects submitted for prioritization in the 2014-2020 MTIP.

Upon motion of Commissioner _____, and seconded by Commissioner _____, the foregoing resolution was adopted this the 15th day of March, 2011.

I, Donna Baker, Clerk to the Board of Commissioners for the County of Orange, North Carolina, DO HEREBY CERTIFY that the foregoing is a true copy of so much of the proceedings of said Board at a meeting held on March 15, 2011, as relates in any way to the adoption of the foregoing and that said proceedings are recorded in the minutes of said Board.

WITNESS my hand and the seal of said County, this _____ day of _____, 2011.

Clerk to the Board of Commissioners

Urban funded

WORK PROGRAM	MODE	GOAL	TIER	DIV	COUNTIES	MPO/RPO	Transit Partners and Providers	STIP#	DESCRIPTION	2010	%	C/O	FTA	STIP FUND	match	2011	2012	2013	2014	2015	2016	2017		
Operating	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	C-5104	Expansion Bus - plus 3 yrs operating	\$94	80%	Oc	5307	CMAQ	US	\$97								
Operating	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	C-5104	Expansion Bus - plus 3 yrs operating	\$23	20%	Oc	5307	CMAQ	L	\$24								
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4726	Replacement Bus - articulated	\$7,550	80%	C	5307	FUZ	US	\$4,896	\$2,608			\$1,939	\$1,939	\$1,939		
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4726	Replacement Bus - articulated	\$1,224	10%	C	5307	FUZ	STAT	\$612	\$326			\$242	\$242	\$242		
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4726	Replacement Bus - articulated	\$1,224	10%	C	5307	FUZ	L	\$612	\$326			\$242	\$242	\$242		
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4748	Replacement - paratransit vehicle	\$563	83%	C	5307	FUZ	US			\$923	\$634	\$157	\$157	\$157		
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4748	Replacement - paratransit vehicle	\$70	11%	C	5307	FUZ	STAT			\$115	\$115	\$20	\$20	\$20		
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4748	Replacement - paratransit vehicle	\$70	6%	C	5307	FUZ	L			\$79	\$79	\$20	\$20	\$20		
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4979	Replacement Van	\$563	80%	C	5307	FUZ	US	\$160		\$634						
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4979	Replacement Van	\$70	10%	C	5307	FUZ	STAT	\$15		\$79						
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4979	Replacement Van	\$70	10%	C	5307	FUZ	L	\$15		\$79						
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-6512	Expansion Bus	\$300	80%	C	5316	JARC	US	\$300								
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-6512	Expansion Bus	\$38	10%	C	5316	JARC	STAT	\$38								
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-6512	Expansion Bus	\$38	10%	C	5316	JARC	L	\$38								
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-6514	Expansion Van		80%	C	5310	FEPD	US	\$16								
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-6514	Expansion Van		10%	C	5310	FEPD	STAT	\$2								
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-6514	Expansion Van		10%	C	5310	FEPD	L	\$2								
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TD-4710B	Facility - Park & Ride	\$0	80%	Oc	5307	FUZ	US	\$702								
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TD-4710B	Facility - Park & Ride		20%	Oc	5307	FUZ	STAT	\$88								
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TD-4710B	Facility - Park & Ride		20%	Oc	5307	FUZ	L	\$88								
Operating	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TG-4731A	Preventive maintenance		80%	Oc	5307	STPDA	US	\$204								
Operating	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TG-4731A	Preventive maintenance		20%	Oc	5307	STPDA	L	\$51								
Operating	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TG-4731B	Preventive maintenance	\$927	80%	Oc	5307	FUZ	US	\$955	\$984	\$1,013	\$1,043	\$1,074	\$1,074	\$1,074		
Operating	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TG-4731B	Preventive maintenance	\$232	20%	Oc	5307	FUZ	L	\$239	\$246	\$253	\$261	\$269	\$269	\$269		
Maintenance	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TG-4732A	Routine Capital - Bus stop shelters, benches, shop equip., spare parts, engines, farebox, service vehicles, etc	\$56	80%	C	5307	FUZ	US	\$32	\$432	\$56						
Maintenance	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TG-4732A	Routine Capital - Bus stop shelters, benches, shop equip., spare parts, engines, farebox, service vehicles, etc	\$500	100%	C	ARRA	FUZST	US									
Maintenance	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TG-4732A	Routine Capital - Bus stop shelters, benches, shop equip., spare parts, engines, farebox, service vehicles, etc	\$14	20%	C	5307	FUZ	L	\$8	\$108	\$14						
Maintenance	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TG-4732B	Routine Capital - service vehicle	\$240	80%	C	5307	FUZ	US					\$157				
Maintenance	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TG-4732B	Routine Capital - service vehicle		20%	C	5307	FUZ	L					\$39				

Urban funded

WORK PROGRAM	MODE	GOAL	TIER	DIV	COUNTIES	MPO/RPO	Transit Partners and Providers	STIP#	DESCRIPTION	2010	%	C/O	FTA	STIP FUND	match	2011	2012	2013	2014	2015	2016	2017	
Operations	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TM-5132	Operating Assistance	\$54	50%	O	5316	JARC	US	\$54							
Operations	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TM-5132	Operating Assistance	\$54	50%	O	5316	JARC	L	\$54							
Operations	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TO-5133	Operating Assistance	\$3,570	100%	O	SMAP	SMAP	STAT	\$3,671	\$3,570	\$3,570	\$3,570	\$3,570	\$3,570	\$3,570	\$3,570
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TQ-6501	Mobility Management - elderly and disabled persons		80%	Oc	5310	FEPD	US	\$106	\$106						
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TQ-6501	Mobility Management - elderly and disabled persons		10%	Oc	5310	FEPD	STAT	\$13	\$13						
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TQ-6501	Mobility Management - elderly and disabled persons		10%	Oc	5310	FEPD	L	\$13	\$13						
Operations	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TQ-6506	Operating assistance - Elderly and Disabled persons		50%	O	5310	FEPD	US	\$64	\$64						
Operations	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TQ-6506	Operating assistance - Elderly and Disabled persons		50%	O	5310	FEPD	L	\$64	\$64						
Construction & Engineering	Public Transportation	safety	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TS-5106	Safety & Security - Min. 1% set aside	\$99		C	5307	FUZ	US	\$67	\$40	\$26	\$17	\$33	\$32	\$32	\$32
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TT-5109	Technology - veh. tracking, passenger info, data communications, traffic signal priority		80%	C	5307	STPDA	US	\$1,000							
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TT-5109	Technology - veh. tracking, passenger info, data communications, traffic signal priority		20%	C	5307	STPDA	L	\$331							
Construction & Engineering	Public Transportation	infrastructure health	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TA-5019C	Replacement bus - light transit vehicles		80%	C	5307	CMAQ	US			\$583					
Construction & Engineering	Public Transportation	infrastructure health	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TA-5019C	Replacement bus - light transit vehicles		10%	C	5307	CMAQ	STAT			\$73					
Construction & Engineering	Public Transportation	infrastructure health	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TA-5019C	Replacement bus - light transit vehicles		10%	C	5307	CMAQ	L			\$73					
Maintenance	Public Transportation	infrastructure health	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TG-4738	Routine Capital - Bus stop shelters, benches, shop equip., spare parts, engines, service vehicles, etc.	\$475	80%	C	5307	FUZ	US	\$475	\$125	\$475	\$475	\$475	\$475	\$475	\$475
Maintenance	Public Transportation	infrastructure health	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TG-4738	Routine Capital - Bus stop shelters, benches, shop equip., spare parts, engines, service vehicles, etc.	\$119	20%	C	5307	FUZ	L	\$119	\$32	\$119	\$119	\$119	\$119	\$119	\$119
Operating	Public Transportation	infrastructure health	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TG-4738A	Preventive maintenance	\$2,535	80%	Oc	5307	FUZ	US	\$2,535	\$2,782	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000	\$3,000
Operating	Public Transportation	infrastructure health	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TG-4738A	Preventive maintenance	\$634	20%	Oc	5307	FUZ	L	\$634	\$696	\$750	\$750	\$750	\$750	\$750	\$750
Operating	Public Transportation	infrastructure health	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TG-4738B	Preventive maintenance	\$1,000	100%	Oc	ARRA	FUZST	US								
Operations	Public Transportation	mobility	sub regional	7	Durham Orange	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TN-5102	Operating assistance - New Freedom - urban	\$63	50%	O	5317	FNF	US	\$63	\$63	\$63	\$63	\$63	\$63	\$63	\$63
Operations	Public Transportation	mobility	sub regional	7	Durham Orange	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TN-5102	Operating assistance - New Freedom - urban	\$63	50%	O	5317	FNF	L	\$63	\$63	\$63	\$63	\$63	\$63	\$63	\$63
Operations	Public Transportation	infrastructure health	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TO-5130	Operating Assistance	\$2,806	100%	O	SMAP	SMAP	STAT	\$2,622	\$2,890	\$2,806	\$2,806	\$2,806	\$2,806	\$2,806	\$2,806
Operating	Public Transportation	mobility	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TO-5130B	Operating Assistance - new route		80%	O	5307	CMAQ	US			\$951	\$999				
Operating	Public Transportation	mobility	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TO-5130B	Operating Assistance - new route		20%	O	5307	CMAQ	L			\$238	\$250				
Planning	Public Transportation	mobility	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TP-5108	Planning Assistance - 5303	\$112	80%	C	5303	FMPL	US	\$112	\$112	\$112	\$112	\$112	\$112	\$112	\$112
Planning	Public Transportation	mobility	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TP-5108	Planning Assistance - 5303	\$14	10%	C	5303	FMPL	STAT	\$14	\$14	\$14	\$14	\$14	\$14	\$14	\$14
Planning	Public Transportation	mobility	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TP-5108	Planning Assistance - 5303	\$14	10%	C	5303	FMPL	L	\$14	\$14	\$14	\$14	\$14	\$14	\$14	\$14
Planning	Public Transportation	mobility	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TP-5109	Planning Assistance - 5307		80%	C	5307	FUZ	US	\$384	\$510	\$384	\$384	\$384	\$384	\$384	\$384
Planning	Public Transportation	mobility	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TP-5109	Planning Assistance - 5307		10%	C	5307	FUZ	STAT	\$48	\$64	\$48	\$48	\$48	\$48	\$48	\$48
Planning	Public Transportation	mobility	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TP-5109	Planning Assistance - 5307		10%	C	5307	FUZ	L	\$48	\$64	\$48	\$48	\$48	\$48	\$48	\$48

Urban funded

WORK PROGRAM	MODE	GOAL	TIER	DIV	COUNTIES	MPO/RPO	Transit Partners and Providers	STIP#	DESCRIPTION	2010	%	C/O	FTA	STIP FUND	match	2011	2012	2013	2014	2015	2016	2017
Construction & Engineering	Public Transportation	safety	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TS-5108	Safety & Security - Min. 1% set aside	\$30		C	5307	FUZ	US	\$34	\$34	\$39	\$39	\$39	\$39	\$39
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TA-4818B	Replacement Bus	\$936	80%	C	5307	FUZ	US	\$1,511	\$360			\$770		
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TA-4818B	Replacement Bus	\$117	10%	C	5307	FUZ	STAT	\$237	\$45			\$96		
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TA-4818B	Replacement Bus	\$117	10%	C	5307	FUZ	L	\$237	\$45			\$96		
Construction & Engineering	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TA-5123B	Expansion Bus - fixed route	\$1,380	80%	C	5307	FUZ	US		\$9,200	\$500	\$540	\$540	\$1,351	
Construction & Engineering	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TA-5123B	Expansion Bus - fixed route		10%	C	5307	FUZ	STAT		\$115	\$63	\$68	\$68	\$135	
Construction & Engineering	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TA-5123B	Expansion Bus - fixed route		10%	C	5307	FUZ	L		\$115	\$63	\$68	\$68	\$135	
Construction & Engineering	Public Transportation	mobility	regional	5, 7	Durham Orange	DCHC	TRIANGLE TRANSIT	TE-4903	Fixed Guideway - Alternatives Analysis for Major Transit Corridor Projects	\$491	50%	C	0000	L	L	\$2,965						
Maintenance	Public Transportation	infrastructure health	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TG-4821B	Routine Capital - Bus stop shelters, benches, shop equip., spare parts, engines, farebox, service vehicles, etc	\$800	80%	C	5307	FUZ	US	\$800	\$800	\$800	\$800	\$200	\$200	\$200
Maintenance	Public Transportation	infrastructure health	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TG-4821B	Routine Capital - Bus stop shelters, benches, shop equip., spare parts, engines, farebox, service vehicles, etc	\$228	20%	C	5307	FUZ	L	\$200	\$200	\$200	\$200	\$200	\$200	\$200
Maintenance	Public Transportation	infrastructure health	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TG-4821C	Routine Capital - Bus stop shelters, benches, shop equip., spare parts, engines, service vehicles, etc.	\$228	80%	C	5307	STPDA	US	\$96						
Maintenance	Public Transportation	infrastructure health	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TG-4821C	Routine Capital - Bus stop shelters, benches, shop equip., spare parts,	\$57	20%	C	5307	STPDA	L	\$24						
Operations	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TM-5123B	Operating Assistance	\$174	50%	O	5316	JARC	US	\$174						
Operations	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TM-5123B	Operating Assistance	\$174	50%	O	5316	JARC	L	\$174						
Operations	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TN-5129B	Operating assistance - New Freedom - urban	\$78	50%	O	5317	FNF	US	\$78						
Operations	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TN-5129B	Operating assistance - New Freedom - urban	\$78	50%	O	5317	FNF	L	\$78						
Operations	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TN-6104B	Operating assistance - New Freedom - non-urban		50%	O	5317	FNF	US	\$78						
Operations	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TN-6104B	Operating assistance - New Freedom - non-urban		50%	O	5317	FNF	L	\$78						
Construction & Engineering	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TQ-6504	Mobility Management - elderly and disabled persons (TQ-5105)		80%	Oc	5310	FEPD	US	\$68	\$68					
Construction & Engineering	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TQ-6504	Mobility Management - elderly and disabled persons (TQ-5105)		10%	Oc	5310	FEPD	STAT	\$9	\$9					
Construction & Engineering	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TQ-6504	Mobility Management - elderly and disabled persons (TQ-5105)		10%	Oc	5310	FEPD	L	\$9	\$9					
Construction & Engineering	Public Transportation	safety	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TS-5119	Safety & Security - Min. 1% set aside	\$57		C	5307	FUZ	US	\$23	\$102	\$21	\$10	\$21	\$20	\$7

WORK PROGRAM	MODE	GOAL	TIER	DIV	COUNTIES	MPO/RPO	Transit Partners and Providers	STIP#	DESCRIPTION	2010	%	C/O	FTA	STIP FUND	match	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4726A	Replacement Bus			C	0000	FED	TBD				\$886							
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4979A	Replacement Van - Safe-Ride			C	0000	FED	TBD				\$31	\$31	\$31	\$31	\$31	\$31	\$31	\$31
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4981	Replacement - Sedans/Wagons/4X4			C	0000	FED	TBD			\$430	\$443							
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TA-4995	Expansion Bus			C	0000	FED	TBD				\$3,600							
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TD-4710	Facility - Park & Ride			C	0000	FED	TBD			\$2,000								
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TD-5204	Facility - Intermodal Center - Hillsborough			C	0000	FED	TBD					\$1,000						
Construction & Engineering	Public Transportation	mobility	regional	7	Orange	DCHC	CHAPEL HILL TRANSIT	TE-5202	Fixed Guideway - Light Rail - carolina Noth to Carrboro - constuction			C	0000	FED	TBD							\$6,200				
Construction & Engineering	Public Transportation	mobility	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TA-4755	Expansion Bus			C	0000	FED	TBD				\$4,800				\$4,000		\$4,000	
Construction & Engineering	Public Transportation	infrastructure health	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TA-4923	Replacement Bus - fixed route			C	0000	FED	TBD				\$9,100	\$9,100				\$5,200	\$5,200	
Construction & Engineering	Public Transportation	infrastructure health	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TA-5019A	Replacement - Paratransit Van			C	0000	FED	TBD		\$112									
Construction & Engineering	Public Transportation	mobility	sub regional	5	Durham	DCHC	DURHAM AREA TRANSIT AUTHORITY / DATA	TT-4911	Technology - veh. tracking, passenger info, data communications, traffic signal priority			C	0000	FED	TBD			\$1,000								
Construction & Engineering	Public Transportation	infrastructure health	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TA-4994B	Replacement - Paratransit Van			C	0000	FED	TBD	\$ 237										
Construction & Engineering	Public Transportation	infrastructure health	regional	5	Durham Orange	DCHC	TRIANGLE TRANSIT	TA-5108	Replacement Van - vanpool			C	0000	FED	TBD		\$728	\$ 258	\$ 110							
Construction & Engineering	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TD-4944B	Facility - I-40 Bus Bypass Shoulder Project.			C	0000	FED	TBD			\$40								
Construction & Engineering	Public Transportation	mobility	regional	7	Durham Orange	DCHC	TRIANGLE TRANSIT	TE-4903B	Fixed Guideway - Light Rail Service-Raleigh-Rtp-Durham Design Phase 1			C	0000	FED	TBD			\$1,000								
Construction & Engineering	Public Transportation	mobility	regional	5, 7	Durham Orange	DCHC	TRIANGLE TRANSIT	TT-5213	Technology - Regional Fare System Upgrade			C	0000	FED	TBD					\$1,250						
Construction & Engineering	Public Transportation	mobility	regional	5, 7	Durham Orange	DCHC	TRIANGLE TRANSIT	TT-5214	Technology - Advanced Public Info Communication System			C	0000	FED	TBD						\$500					

Rural

WORK PROGRAM	GOAL	DIV	COUNTIES	MPO/RPO	Transit Partners and Providers	STIP#	DESCRIPTION	2010	%	C/O	FTA	STIP FUND	match	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Construction & Engineering	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TA-6177	Replacement Van		80%	C	5311	FNU	US	\$99									
Construction & Engineering	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TA-6177	Replacement Van		10%	C	5311	FNU	STAT	\$12									
Construction & Engineering	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TA-6177	Replacement Van		10%	C	5311	FNU	L	\$12									
Construction & Engineering	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TA-6239	Expansion - Light Transit Vehicle		80%	C	5316	JARC	US	\$118									
Construction & Engineering	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TA-6239	Expansion - Light Transit Vehicle		10%	C	5316	JARC	STAT	\$15									
Construction & Engineering	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TA-6239	Expansion - Light Transit Vehicle		10%	C	5316	JARC	L	\$15									
Maintenance	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TG-6109	Routine Capital	\$13	80%	C	5311	FNU	US										
Maintenance	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TG-6109	Routine Capital	\$2	10%	C	5311	FNU	STAT										
Maintenance	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TG-6109	Routine Capital	\$2	10%	C	5311	FNU	L										
Operations	mobility	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TJ-6114	Operating Assistance - employment transportation	\$17	100%	O	ROAP	OAWP	STAT	\$17	\$17	\$17	\$17	\$17	\$17	\$17	\$17	\$17	\$17
Operations	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TK-6117	Administration	\$190	80%	O	5311	FNU	US	\$187									
Operations	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TK-6117	Administration	\$12	5%	O	5311	FNU	STAT	\$12									
Operations	infrastructure health	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TK-6117	Administration	\$36	15%	O	5311	FNU	L	\$35									
Operations	mobility	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TL-6113	Operating Assistance - elderly and disabled persons	\$81	100%	O	ROAP	EDTAP	STAT	\$81	\$81	\$81	\$81	\$81	\$81	\$81	\$81	\$81	\$81
Construction & Engineering	mobility	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TM-6102	mobility management - ARRA funded	\$42	100%	Oc	ARRA	ARRA	US										
Operations	mobility	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TM-6103	operating - Job Access / Reverse Commute		50%	O	5316	JARC	US	\$34	\$34								
Operations	mobility	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TM-6103	operating - Job Access / Reverse Commute		50%	O	5316	JARC	L	\$34	\$34								
Construction & Engineering	mobility	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TQ-6111	mobility management - Elderly and Disabled persons health rides - Council on Aging	\$119	80%	Oc	5310	FEPD	US	\$108	\$108								
Construction & Engineering	mobility	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TQ-6111	mobility management - Elderly and Disabled persons health rides - Council on Aging	\$15	10%	Oc	5310	FEPD	STAT	\$14	\$14								
Construction & Engineering	mobility	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TQ-6111	mobility management - Elderly and Disabled persons health rides - Council on Aging	\$15	10%	Oc	5310	FEPD	L	\$14	\$14								
Operations	mobility	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TR-6153	Operating Assistance - general public in rural areas	\$11	10%	O	ROAP	RGP	STAT	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$11
Operations	mobility	8	Chatham	TRIANGLE AREA	Chatham Transit Network	TR-6153	Operating Assistance - general public in rural areas	\$96	90%	O	ROAP	RGP	STAT	\$96	\$96	\$96	\$96	\$96	\$96	\$96	\$96	\$96	\$96
Construction & Engineering	infrastructure health	7	Chatham	TRIANGLE AREA	Chatham Transit Network (pass thru Chapel Hill Transit)	TG-6109	Routine capital - spare engines		80%	C	5307	CMAQ	US			\$120							
Construction & Engineering	infrastructure health	7	Chatham	TRIANGLE AREA	Chatham Transit Network (pass thru Chapel Hill Transit)	TG-6109	Routine capital - spare engines		20%	C	5307	CMAQ	L			\$30							
Construction & Engineering	infrastructure health	5	Durham	DCHC	Durham County Access	TA-6187	Replacement Van		80%	C	5311	FNU	US	\$66									
Construction & Engineering	infrastructure health	5	Durham	DCHC	Durham County Access	TA-6187	Replacement Van		10%	C	5311	FNU	STAT	\$8									
Construction & Engineering	infrastructure health	5	Durham	DCHC	Durham County Access	TA-6187	Replacement Van		10%	C	5311	FNU	L	\$8									
Operations	mobility	5	Durham	DCHC	Durham County Access	TJ-6124	Operating Assistance - employment transportation	\$25	100%	O	ROAP	OAWP	STAT	\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25
Operations	infrastructure health	5	Durham	DCHC	Durham County Access	TK-6126	Administration	\$12	12%	O	5311	FNU	US	\$8									
Operations	infrastructure health	5	Durham	DCHC	Durham County Access	TK-6126	Administration	\$73	78%	O	5311	FNU	STAT	\$46									
Operations	infrastructure health	5	Durham	DCHC	Durham County Access	TK-6126	Administration	\$15	10%	O	5311	FNU	L	\$9									
Operations	mobility	5	Durham	DCHC	Durham County Access	TL-6123	Operating Assistance - elderly and disabled persons	\$156	100%	O	ROAP	EDTAP	STAT	\$156	\$156	\$156	\$156	\$156	\$156	\$156	\$156	\$156	\$156

Rural

WORK PROGRAM	GOAL	DIV	COUNTIES	MPO/RPO	Transit Partners and Providers	STIP#	DESCRIPTION	2010	%	C/O	FTA	STIP FUND	match	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Construction & Engineering	mobility	5	Durham	DCHC	Durham County Access	TQ-6109	operating - Elderly and Disabled persons purchase of service		80%	Oc	5310	FEPD	US	\$46	\$46								
Construction & Engineering	mobility	5	Durham	DCHC	Durham County Access	TQ-6109	operating - Elderly and Disabled persons purchase of service		10%	Oc	5310	FEPD	STAT	\$6	\$6								
Construction & Engineering	mobility	5	Durham	DCHC	Durham County Access	TQ-6109	operating - Elderly and Disabled persons purchase of service		10%	Oc	5310	FEPD	L	\$6	\$6								
Operations	mobility	5	Durham	DCHC	Durham County Access	TR-6164	Operating Assistance - general public in rural areas	\$72	90%	O	ROAP	RGP	STAT	\$72	\$72	\$72	\$72	\$72	\$72	\$72	\$72	\$72	\$72
Operations	mobility	5	Durham	DCHC	Durham County Access	TR-6164	Operating Assistance - general public in rural areas	\$8	10%	O	ROAP	RGP	L	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8	\$8
Construction & Engineering	infrastructure health	7	Orange	TRIANGLE AREA	Orange Public Transit	TA-6206	Replacement - Light Transit Vehicle		65%	C	5311	FNU	US	\$129									
Construction & Engineering	infrastructure health	7	Orange	TRIANGLE AREA	Orange Public Transit	TA-6206	Replacement - Light Transit Vehicle		25%	C	5311	FNU	STAT	\$50									
Construction & Engineering	infrastructure health	7	Orange	TRIANGLE AREA	Orange Public Transit	TA-6206	Replacement - Light Transit Vehicle		10%	C	5311	FNU	L	\$20									
Maintenance	infrastructure health	7	Orange	TRIANGLE AREA	Orange Public Transit	TG-6129	Routine Capital	\$2	65%	C	5311	FNU	US	\$7									
Maintenance	infrastructure health	7	Orange	TRIANGLE AREA	Orange Public Transit	TG-6129	Routine Capital	\$1	25%	C	5311	FNU	STAT	\$3									
Maintenance	infrastructure health	7	Orange	TRIANGLE AREA	Orange Public Transit	TG-6129	Routine Capital	\$0	10%	C	5311	FNU	L	\$1									
Operations	mobility	7	Orange	TRIANGLE AREA	Orange Public Transit	TJ-6149	Operating Assistance - employment transportation	\$25	100%	O	ROAP	OAWP	STAT	\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25	\$25
Operations	infrastructure health	7	Orange	TRIANGLE AREA	Orange Public Transit	TK-6151	Administration	\$120	65%	O	5311	FNU	US	\$120									
Operations	infrastructure health	7	Orange	TRIANGLE AREA	Orange Public Transit	TK-6151	Administration	\$37	25%	O	5311	FNU	STAT	\$37									
Operations	infrastructure health	7	Orange	TRIANGLE AREA	Orange Public Transit	TK-6151	Administration	\$28	10%	O	5311	FNU	L	\$28									
Operations	mobility	7	Orange	TRIANGLE AREA	Orange Public Transit	TL-6148	Operating Assistance - elderly and disabled persons	\$97	100%	O	ROAP	EDTAP	STAT	\$97	\$97	\$97	\$97	\$97	\$97	\$97	\$97	\$97	\$97
Operations	mobility	7	Orange	TRIANGLE AREA	Orange Public Transit	TR-6156	Operating Assistance - general public in rural areas	\$10	10%	O	ROAP	RGP	STAT	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10	\$10
Operations	mobility	7	Orange	TRIANGLE AREA	Orange Public Transit	TR-6156	Operating Assistance - general public in rural areas	\$93	90%	O	ROAP	RGP	STAT	\$93	\$93	\$93	\$93	\$93	\$93	\$93	\$93	\$93	\$93

Statewide

WORK PROGRAM CATEGORY	MODE	GOAL	TIER	DIV	COUNTIES	MPO /RP	transit partners	STIP#	DESCRIPTION	2010	%	C/ O/	FTA	STIP FUNDS	match	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Planning	Public Transportation	infrastructure health	statewide	99	STATEWIDE	s	regional	TP-4901	Planning and Research support activities	\$373	80%	C	5304	FSPR	US	\$373	\$373	\$373	\$373	\$373	\$373	\$373	\$373	\$373	\$373
Planning	Public Transportation	infrastructure health	statewide	99	STATEWIDE	s	regional	TP-4901	Planning and Research support activities	\$93	20%	C	5304	FSPR	STAT	\$93	\$93	\$93	\$93	\$93	\$93	\$93	\$93	\$93	\$93
Construction & Engineering	Public Transportation	mobility	regional	99	STATEWIDE	s	regional	TT-9702	Technology - veh. tracking, passenger info, data communications, traffic signal priority	\$1,120	90%	C	STAT	UTCH	STAT	\$1,325	\$900	\$800	\$800	\$800	\$800	\$800	\$800	\$800	\$800
Construction & Engineering	Public Transportation	mobility	regional	99	STATEWIDE	s	regional	TT-9702	Technology - veh. tracking, passenger info, data communications, traffic signal priority	\$124	10%	C	STAT	UTCH	L	\$147	\$100	\$89	\$89	\$89	\$89	\$89	\$89	\$89	\$89
Administration	Public Transportation	mobility	statewide	99	STATEWIDE	s	statewide	TS-4900Z	Statewide training and support services for rural, small urban and paratransit operations	\$283	100%	A	5311	RTAP		\$283	\$283	\$283	\$283	\$283	\$283	\$283	\$283	\$283	\$283
Administration	Public Transportation	infrastructure health	statewide	99	STATEWIDE	s	sub regional	TK-4900Z	State Administration oversight, and planning assistance for rural area general public transit services	\$1,000	100%	A	5311	FNU	US	\$1,031	\$1,031	\$1,031	\$1,031	\$1,031	\$1,031	\$1,031	\$1,031	\$1,031	\$1,031
Administration	Public Transportation	mobility	statewide	99	STATEWIDE	s	sub regional	TM-5301	State Administration - Job Access / Reverse Commute	\$503	100%	A	5316	JARC	US	\$301	\$301	\$301	\$301	\$301	\$301	\$301	\$301	\$301	\$301
Administration	Public Transportation	mobility	statewide	99	STATEWIDE	s	sub regional	TN-5112	State Administration - New Freedom - beyond Am. Disability Act requirements	\$327	100%	A	5317	FNF	US	\$196	\$196	\$196	\$196	\$196	\$196	\$196	\$196	\$196	\$196
Administration	Public Transportation	mobility	statewide	99	STATEWIDE	s	sub regional	TV-4903	State Administration - Federal Elderly and Disabled persons assistance program	\$674	100%	A	5310	FEDP	US	\$388	\$388	\$388	\$388	\$388	\$388	\$388	\$388	\$388	\$388

STIP #	DIV	COUNTY	MUNICIPALITY / SYSTEM	DESCRIPTION	funds	FY11 (\$000)	FY12 (\$000)
C-5103B	5	Durham	Durham Area Transit/DATA	Operating assistance – two years	CMAQ	\$297	\$247
				Operating assistance – two years L		\$74	\$62
<i>MTIP aprvl pending in 3/2011</i>							
TG-4738	5	Durham	Durham Area Transit/DATA	Routine Capital – engines to retrofit vehicles	FBUS	\$741	
<i>State recommended 5309 distribution 3/31/11- MTIP aprvl pending in 3/2011</i>					L	\$185	
TA-4818A	5.7	Wake Durham Orange	Triangle Transit	Replacement bus	FBUS		
					L		
TA-4994	5.7	Wake Durham Orange	Triangle Transit	Replacement - paratransit	FBUS		
					L		
TA-4994B	5.7	Wake Durham Orange	Triangle Transit	Replacement - Paratransit Van	FBUS		
<i>State recommended 5309 distribution 3/31/11- MTIP aprvl pending in 3/2011</i>					L		

DCHC completions/deletions

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAK

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST FUNDING (THOU) SOURCE	"DELIVERABLE STIP"					"DEVELOPMENTAL STIP"					"UNFUNDED"
					FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FUTURE YEARS
NC 54 DURHAM	C-4402	I-40 WEST OF NC 751 TO TRIANGLE DRIVE IN RESEARCH TRIANGLE PARK. CONSTRUCT ON-ROAD BICYCLE FACILITY.			TO BE EVALUATED AS PART OF FS-1005C										
DURHAM DURHAM	P-3802	STATION CONSTRUCTION.	1250	1250	CMAQ										
					UNDER CONSTRUCTION										
NC 54 SR 1973 DURHAM	R-2904	NC 54, SR 1999 (DAVIS DRIVE) TO SR 1959 (MIAMI BOULEVARD) AND SR 1973 (PAGE ROAD), NC 54 TO I-40. WIDEN TO MULTI-LANES AND REPLACE RAILROAD STRUCTURE. (1.1 MILES)	5500	5500											
					UNDER CONSTRUCTION - PROJECT LET WITH U-4026										
SR 1004 OLD OXFORD ROAD DURHAM	R-5135	US 501 BUSINESS (NORTH ROXBORO STREET) TO THE GRANVILLE COUNTY LINE. WIDEN AND RESURFACE.	1670	1670											
					UNDER CONSTRUCTION										
RESEARCH TRIANGLE PARK DURHAM WAKE	U-4026	SR 1613-SR 1999 (DAVIS DRIVE), SR 3014 (MORRISVILLE-CARPENTER ROAD) IN WAKE COUNTY TO NC 54 IN DURHAM COUNTY. WIDEN TO MULTI-LANES. (5.7 MILES)	39063	39063											
					A SR 3014 (MORRISVILLE-CARPENTER ROAD) TO SR 1635 (KOPPERS ROAD-MCCRIMMON PARKWAY) - UNDER CONSTRUCTION. B SR 1635 (KOPPERS ROAD-MCCRIMMON PARKWAY) IN WAKE COUNTY TO NC 54 IN DURHAM COUNTY - UNDER CONSTRUCTION.										
					PROJECT LET WITH R-2904										
DURHAM DURHAM	U-4445	NC 147 (DURHAM FREEWAY), NEAR ALSTON AVENUE. CONSTRUCT PEDESTRIAN BRIDGE OVER NC 147 AND REMOVE EXISTING SUBSTANDARD PEDESTRIAN BRIDGE.	2000	2000											
					UNDER CONSTRUCTION BY OTHERS										
DURHAM DURHAM	U-5122	NC 98, SR 1838 (JUNCTION ROAD) TO SR 1811 (SHERRON ROAD). MILL AND RESURFACE.	1285	1285											
					UNDER CONSTRUCTION										
DURHAM DURHAM	U-5124	DURHAM, SR 1978 (OLD PAGE ROAD), SR 1926 (ANGIER AVENUE) TO SR 2095 (PAGE ROAD EXTENSION). PATCH AND RESURFACE.	128	128											
					UNDER CONSTRUCTION										
DURHAM DURHAM	U-5126	US 501 BYPASS (DUKE STREET), SR 1443 (HORTON ROAD) TO HUDSON STREET. MILL AND RESURFACE.	770	770											
					UNDER CONSTRUCTION										
DURHAM DURHAM	U-5127	DURHAM, SR 1321 (HILLDALE-FULTON STREET), I-85 TO SR 1320 (ERWIN ROAD). MILL AND RESURFACE.	300	300											
					UNDER CONSTRUCTION										
VARIOUS DURHAM	U-5142	INSTALL LED TRAFFIC SIGNALS ON CITY MAINTAINED SYSTEM	550	550											
					UNDER CONSTRUCTION										

FS-1005C being folded into new U-project, which will include bicycle accommodations as defined through the NEPA process

* INDICATES INTRASTATE PROJECT

DCHC completions/deletions

ROUTE/CITY COUNTY		ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAK										"UNFUNDED" FUTURE YEARS
						"DELIVERABLE STIP"					"DEVELOPMENTAL STIP"					
						FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	
NC 55 DURHAM		U-5143	DURHAM, SR 1171 (RIDDLE ROAD) INTERSECTION. CONSTRUCT TURN LANES.	250	250											
UNDER CONSTRUCTION																
VARIOUS DURHAM		U-5146	DURHAM, SIGNAL UPGRADE AT VARIOUS LOCATIONS ON CITY MAINTAINED SYSTEM.	180	180											
UNDER CONSTRUCTION																
DURHAM DURHAM		U-5148	DURHAM, NORTHPOINTE DRIVE, HOME DEPOT TO KROGER. INSTALL TRAFFIC SIGNAL.	400	400											
UNDER CONSTRUCTION - INCLUDES U-5150																
DURHAM DURHAM		U-5149	DURHAM, RENAISSANCE PARKWAY AT SOUTHPOINT MALL ENTRANCE NEAR SOUTHPOINT CINEMA AND AT AMERICAN TOBACCO TRAIL. INSTALL TRAFFIC SIGNALS.	300	300											
UNDER CONSTRUCTION																
DURHAM DURHAM		U-5150	DURHAM, WILLIAM PENN STREET AT BEN FRANKLIN STREET. INSTALL TRAFFIC SIGNAL.													
UNDER CONSTRUCTION - LET WITH U-5148																
DURHAM DURHAM		U-5151	DURHAM, SR 1670 (GEER STREET) AT MIAMI BOULEVARD. INTERSECTION REDESIGN.	80	80											
UNDER CONSTRUCTION																
SR 1002 ORANGE		B-4216	STROUDS CREEK. REPLACE BRIDGE NO. 66	1054	1054											
UNDER CONSTRUCTION																
VARIOUS ORANGE		B-5191	BRIDGE EXPANSION JOINT REPAIRS AT SELECTED LOCATIONS.	160	160											
UNDER CONSTRUCTION																
CHAPEL HILL ORANGE		EB-4710	SEAWELL SCHOOL ROAD BICYCLE IMPROVEMENTS, HOMESTEAD ROAD TO ESTES DRIVE (1.9 MILES)	2000		STPEB										C 2000
funds were redirected to EB-5021, which is now complete																
SR 1006 ORANGE GROVE ROAD ORANGE		EB-4980	CONSTRUCT PEDESTRIAN BRIDGE OVER I-40.													
STRATEGIC HIGHWAY CORRIDOR SCHEDULED FOR FEASIBILITY STUDY																
CHAPEL HILL ORANGE		EB-5110	BOLIN CREEK GREENWAY, NC 86 (MARTIN LUTHER KING, JR. BOULEVARD TO UMSTEAD PARK.													
project to be handled under U-4726																
CARRBORO ORANGE		EL-4994	BOLIN CREEK GREENWAY.	1476	738	STPDA	C	590								
						C	C	148								
" " " " " "																
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY TOWN																

* INDICATES INTRASTATE PROJECT

DCHC completions/deletions

TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAK

ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	SOURCE	FISCAL YEARS										"UNFUNDED" FUTURE YEARS					
						"DELIVERABLE STIP"					"DEVELOPMENTAL STIP"										
						FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020						
CARRBORO CHAPEL HILL ORANGE	EL-4995	DRY CREEK GREENWAY.	736	36	O														C	700	
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY TOWN - IN PROGRESS																					
CHAPEL HILL ORANGE	EL-5022	UPPER BOOKER CREEK GREENWAY.	720																C	576	
C																				144	
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																					
I-40 ORANGE	I-4716	I-85 TO DURHAM COUNTY LINE. DIAMOND GRINDING, JOINT SEALING, SLAB REPAIR AND MARKING. (11 MILES)	3303	3303																	
STRATEGIC HIGHWAY CORRIDOR UNDER CONSTRUCTION																					
I-85 ORANGE	I-5138	I-40/85 SPLIT NEAR HILLSBOROUGH TO SR 1006 (ORANGE GROVE ROAD). MILL, RESURFACE AND OVERLAY.	2023	2023																	
UNDER CONSTRUCTION																					
VARIOUS ORANGE	R-5178	RESURFACING ON FEDERAL-AID ROUTES.	1505	1505																	
A NC 57, NC 86 TO SR 1544 (PEARSON ROAD) - UNDER CONSTRUCTION.																					
B NC 86 (SOUTH COLUMBIA STREET) FROM SR 1010 (FRANKLIN STREET) TO CAMERON AVENUE - UNDER CONSTRUCTION.																					
US 70 NC 751 ORANGE	SF-4907B	INSTALL RIGHT TURN LANE.	165	165																	
IN PROGRESS																					
CARRBORO ORANGE	U-3100B	SR 1107 (OLD FAYETTEVILLE ROAD), NC 54 TO SR 1106 (STROUD LANE). PROVIDE BICYCLE AND PEDESTRIAN FACILITIES AND TRANSIT ACCOMMODATIONS. (0.5 MILE)	6534	6534																	
UNDER CONSTRUCTION - PROJECT U-3100A COMPLETE																					
CARRBORO ORANGE	Z-4007B	SR 1927 (BREWER ROAD) IN CARRBORO AT NORFOLK SOUTHERN RAILWAY CROSSING 735 179M. SAFETY IMPROVEMENTS.	95	95																	
FUNDED - CONSTRUCTION NOT AUTHORIZED																					
DURHAM CHATHAM	EB-2921F	AMERICAN TOBACCO RAIL TRAIL. DURHAM COUNTY LINE TO WAKE COUNTY LINE. CONSTRUCT A MULTI-PURPOSE TRAIL.	2392	2392																	
UNDER CONSTRUCTION																					
NC 751 CHATHAM	SF-4908I	INTERSECTION WITH SR 1731 (O'KELLY CHURCH ROAD). INSTALL TRAFFIC SIGNAL AND LEFT TURN LANE.	593	593																	
UNDER CONSTRUCTION																					

deleted by DCHC TAC 4/14/10

not programmed for funding by DCHC TAC

project canceled, per Rail Division

* INDICATES INTRASTATE PROJECT

COST AND SCHEDULES ARE PRELIMINARY AND SUBJECT TO SIGNIFICANT CHANGE AS MORE INFORMATION BECOMES AVAILABLE

**RESOLUTION APPROVING
AMENDMENT #2 TO
THE 2035 LONG RANGE TRANSPORTATION PLAN
FOR THE
DURHAM-CHAPEL HILL-CARRBORO (DCHC)
METROPOLITAN PLANNING ORGANIZATION (MPO)**

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 Transportation Advisory Committee is the duly recognized transportation decision making body for the 3-C transportation planning process (i.e., continuous, cooperative, and comprehensive) of the Durham–Chapel Hill–Carrboro Metropolitan Planning Organization (DCHC MPO); and,

WHEREAS, the Transportation Advisory Committee approved the DCHC MPO 2035 Long Range Transportation Plan (LRTP) on May 13, 2009; and,

WHEREAS, the DCHC MPO has amended the 2035 Long Range Transportation Plan (LRTP) to ensure that the Plan conforms to the intent and purpose of the North Carolina State Implementation Plan (or interim emissions tests in areas where no SIP is approved or found adequate) in accordance with the Clean Air Act Amendment (CAAA); and,

WHEREAS, the Amended 2035 Long Range Transportation Plan (LRTP) meets the planning requirements of 23 CFR Part 134 and the public involvement policies of the DCHC MPO as adopted on October 11, 2006; and,

WHEREAS, that conformity determination was made according to the established interagency consultation (IC) procedures for North Carolina; and,

WHEREAS, the Transportation Conformity Determination Analysis and Report demonstrate that the Amended 2035 Long Range Transportation Plan (LRTP) conform to the intent and purpose of the North Carolina State Implementation Plan (or interim emissions tests in areas where no SIP is approved or found adequate) in accordance with the Clean Air Act Amendment (CAAA); and,

(Continued)

(Continued – Resolution Adopting Amendment #1 to the DCHC MPO's 2035 LRTP)

NOW THEREFORE, BE IT RESOLVED: that the Amended 2035 Long Range Transportation Plan (LRTP) for the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO) be approved and adopted.

Lydia E. Lavelle, TAC Chair

Durham County, North Carolina

I certify that Lydia E. Lavelle personally appeared before me this day acknowledging to me that she signed the forgoing document.

Date: April 13, 2011

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

Addendum

Amendment 2 (April 13, 2011)

Amendment 2 corrects the mileage (called Distance in the project table) to match the values in the North Carolina State Transportation Improvement Program (STIP) and makes changes to the Air Quality Analysis Year to correspond to current estimates of the project complete timeframe. The following table shows the corrections, in **bold** font, using the format from Appendix 1 of the 2035 LRTP.

Project ID	Road Name	Project Limits		Existing # of Lanes	Proposed # of Lanes	Distance (miles)	Regionally Significant	Exempt from AQ	Project Capital Cost (2008 \$)	AQ Analysis Year
		From	To							
DCHC MPO Roadway Projects										
83	Northern Durham Pkwy	US 70 E	I 85 N	0	4	6.40 8.1	Yes	No	\$66,999,951	2025
84	Northern Durham Pkwy	I 85 North	Old Oxford Hwy	0	4	2.40 3.8	Yes	No	\$27,284,982	2025
85	Northern Durham Pkwy	Old Oxford Hwy	Roxboro Rd	0	2	2.64 4.4	No	No	\$19,358,989	2025
49	I-85	US 70	Red Mill Rd	4	6	5.68 6.4	Yes	No	\$76,107,334	2025
44	I-40	NC 86	I-85	4	6	7.32 7.5	Yes	No	\$77,277,997	2035
9	Carver St Ext	Armfield St	Old Oxford Rd	0	4	0.73	No	No	\$7,660,000	2025 2015
56	Louis Stephens Dr (RTP)	Hopson Rd	Wake County Line	0	4 2	0.90	No	No	\$0	2015
56.1	Louis Stephens Dr (RTP)	Hopson Rd	Wake County Line	2	4	0.90	No	No	\$8,010,000	2035
NC CAMPO Roadway Projects										
A46	Tryon Rd	Norfolk Southern Rail	South Wilmington St.	2	4	0.9	No	No	\$5,200,000	2015 2025
F43	I-40	US 1/64	Lake Wheeler Rd.	6	8	4.43	Yes	No	\$49,027,558	2015 2025
	US 64/Laura Duncan Interchange						No	No	\$32,500,000	2025
A380	US 64	US 1	Laura Duncan Rd.	4	4	2.49	Yes	No	\$11,000,000	2015 2025
A90d	US401	Franklin County	NC 39	2	4	10.50	Yes	No	\$22,485,000	2015 2025
A222a	NC 54	Cary Parkway	Weston Parkway	2	9	0.90	Yes	No	\$4,759,000	2015 2025
A235b	US 1A	Forbes Rd.	Rogers Rd.	2	4	0.26	No	No	\$1,700,000	2015 2025

TCC TIP Subcommittee Meeting Agenda

Durham City Hall, Audit Conference Room

March 29, 2011, 9am

FY 2014-2020 TIP Regional Priority List

1. Key points from NCDOT Presentation:

- Highway
 - MPO submits projects in two categories: Mobility and Modernization
 - Mobility – additional capacity, new location projects
 - Modernization – roadway upgrades, turn lanes, on-road bicycle projects over \$1,000,000
 - Infrastructure Health and Safety projects to be submitted by NCDOT.
 - Urban Loops have their own prioritization process.
 - All projects already in the SPOT database + up to 15 new projects will be ranked
 - MPO receives 1300 points to distribute among projects
 - Maximum points is 100
 - Minimum points is 4
 - Projects can have 0 points assigned
 - MPO assigns points after NCDOT computes the quantitative scores
- Bicycle and Pedestrian
 - Includes on-road bicycle projects under \$1,000,000 and greenway projects
 - Submit 10 bicycle and 10 pedestrian projects
 - MPO ranks top 5 bicycle and top 5 pedestrian projects
- Public Transit
 - Need more details from PTD
- Schedule
 - Late April – NCDOT sends the MPO the table of project to be carried over from Prioritization 1.0 (should be all projects submitted by the MPO and Division)
 - July – MPO must submit any new projects (limited to 15 highway), 10 bicycle, and 10 pedestrian projects
 - November – MPO must submit project ranking points

2. Creation of MPO Rankings:

- Options:
 - Use MPO Project Ranking Methodology from 2012-2018 with modifications to match up with how projects will be classified by SPOT.
 - Use SPOT Project Ranking Methodology
 - Use SPOT Project Ranking Methodology with modifications to account for MPO priorities that are not included in SPOT's methodology.

3. Proposed schedule:

- April – LPA Staff develops recommended Project Ranking Methodology

- April-May – Local governments develop local priority lists
- April 27 TCC – TCC review of projects already in the SPOT database and consideration of new projects based on local priority lists and LRTP projects; TCC review of Project Ranking Methodology
- May 18 – Local priority lists submitted to MPO
- May 25 TCC – TCC recommendation of 15 new highway projects and 10 bicycle and 10 pedestrian projects; TCC recommendation of Project Ranking Methodology
- June 8 TAC – TAC approval of 15 new projects and 10 bicycle and 10 pedestrian projects; TAC approval of Project Ranking Methodology
- **July – MPO staff submits new projects to SPOT**
- August-September - SPOT calculates quantitative scores; MPO calculates scores
- August 24 TCC – TCC reviews SPOT quantitative rankings and MPO project ranking (if available)
- September 28 TCC – TCC recommendation of project ranking points
- October 12 TAC – TAC approval of project ranking points
- **October-November – MPO staff submits project rankings to SPOT**
- Late Fall 2011 – Project rankings released

Notes from subcommittee meeting

Local jurisdictions should begin creating their local priority lists. The deadline for submission to the MPO will be May 18th. Chapel Hill won't have their list approved until May 23 and will bring it to the May 25 TCC meeting. Local jurisdictions are asked to limit the list to three new highway projects and to provide a ranked order for the MPO to consider

The NCDOT Bicycle and Pedestrian Division staff stated that MPOs can only submit 10 bicycle and 10 pedestrian projects. The MPO submitted 46 bicycle and pedestrian projects last time and ranked 10 projects. The MPO will have to select only 20 projects for submission this time (includes both any projects carried over from last time and any new projects) and again 10 projects will be ranked. Several of the 46 projects submitted last time would now be considered highway modernization projects. These projects should be moved into the modernization category by SPOT and do not count towards our 15 new highway projects.

The LPA staff will develop a draft Project Ranking Methodology that is based on the SPOT methodology with modifications to account for MPO priorities. A draft or outline will be presented at the April TCC meeting.

The LPA staff will share the list of highway projects already included in the SPOT database as soon as we receive it. The lists submitted by the MPO last time will also be sent out.

The TCC will consider how to allocate the MPO's 1,300 points among highway projects based on SPOT's quantitative points and the results of the MPO's Project Ranking Methodology. The subcommittee discussed the possibility of giving 100 points to the MPO's top priorities and distributing the remainder of the points among the lower priority projects.

Prioritization 2.0								DCHC MPO Current Project Ranking Methodology			LPA Staff Recommendation							
Criteria	Metric	Mobility			Modernization			Criteria	Metric	% of Score	Mobility			Modernization				
		% of Score - Statewide Tier	% of Score - Regional Tier	% of Score - Subregional Tier	% of Score - Statewide Tier	% of Score - Regional Tier	% of Score - Subregional Tier				% of Score - Statewide Tier	% of Score - Regional Tier	% of Score - Subregional Tier	% of Score - Statewide Tier	% of Score - Regional Tier	% of Score - Subregional Tier		
Congestion	current volume/capacity + AADT	20%	20%	20%	10%	5%		Travel Demand	2035 volume/current capacity	14.3%	Congestion	current volume/capacity + AADT	16.6%	16.6%	20%	14.3%	14.3%	no SPOT data
Safety	critical crash rates, crash density, severity	10%	5%	5%	10%	10%	10%	Safety	crashes/100 million vehicle miles	14.3%	Safety	critical crash rates, crash density, severity	16.6%	16.6%	20%	14.3%	14.3%	16.6%
Pavement Condition	pavement condition rating	10%	5%	5%	10%	5%		not included			Do not include. Poor road maintenance does not justify widening or modernization.							
Benefit/Cost	difference between 2009 v/c and 2009 v/c with project * AADT *	20%	15%					not included			Do not include. Difference in v/c should not be the sole measurement of a project's benefits. Also duplicative of congestion criteria.							
Economic Competitiveness	use TREDIS model, input change in VHT, output economic value added based on % change in Division	10%	5%					not included			Economic Competitiveness	use TREDIS model, input change in VHT, output economic value added based on % change in Division	16.6%	16.6%	no SPOT data	no SPOT data	no SPOT data	no SPOT data
Lane Width	existing width vs. standard width				20%	15%	10%	not included			Lane Width	existing width vs. standard width	no SPOT data	no SPOT data	no SPOT data	14.3%	14.3%	16.6%
Shoulder Width	existing width vs. standard width				20%	15%	10%	not included			Shoulder Width	existing width vs. standard width	no SPOT data	no SPOT data	no SPOT data	14.3%	14.3%	16.6%
Multi-modal	options, connection, or design features	Bonus Points: 8 for HOV/HOT, BRT, Rail, BOSS; 5 for connection to terminal; 3 for sidewalks, bike lanes, transit facilities, etc.						Multi-modal	number of modes benefited	14.3%	Multi-modal	options, connection, or design features	Bonus Points: 8 for HOV/HOT, BRT, Rail, BOSS; 5 for connection to terminal; 3 for sidewalks, bike lanes, transit facilities, etc.					
		not included						Environmental Impacts	Air quality impacts and GIS analysis of wetlands, streams, species habitat, parks, and water supply watershed	14.3%	Environmental Impacts	Air quality impacts and GIS analysis of wetlands, streams, species habitat, parks, and water supply watershed	16.6%	16.6%	20%	14.3%	14.3%	16.6%
		not included						Community Impacts	GIS analysis of population density, schools, parks, historic resources, and cemeteries	14.3%	Community Impacts	GIS analysis of population density, schools, parks, historic resources, and cemeteries	16.6%	16.6%	20%	14.3%	14.3%	16.6%
		not included						Environmental Justice	GIS analysis of negative impact to low-income and minority areas	14.3%	Environmental Justice	GIS analysis of low-income and minority areas	16.6%	16.6%	20%	14.3%	14.3%	16.6%
		not included						Funding Status	percent of funding in current TIP	14.3%	Do not include. Unfunded/post-year projects are no longer listed in the TIP.							
MPO Rank		10%	25%	40%	10%	25%	40%											
Division Rank		20%	25%	30%	20%	25%	30%											

Prioritization 2.0			DCHC MPO Current Project Ranking Methodology			LPA Staff Recommendation					
						Bicycle			Pedestrian		
Criteria	Metric	% of Score	Criteria	Metric	% of Score	Criteria	Metric	% of Score	Criteria	Metric	% of Score
Right-of-Way Acquired	Amount of right-of-way acquired	18%	Right-of-Way Availability	Amount of right-of-way acquired	11.1%	Right-of-Way Acquired	Amount of right-of-way acquired	14.3%	Right-of-Way Acquired	Amount of right-of-way acquired	14.3%
Connectivity	Access to transit, schools, CBD, high density residential or commercial, parks, other bike/ped facilities	15%	Local Connectivity	Number of connections to existing sidewalks, greenways, and bicycle facilities	11.1%	Connectivity	Access to transit, schools, CBD, high density residential or commercial, parks, other bike/ped facilities	14.3%	Connectivity	Access to transit, schools, CBD, high density residential or commercial, parks, other bike/ped facilities	14%
			Travel Demand from Local Land Uses	Number of schools, colleges, parks, major retail centers, major employment centers, and transit routes within 0.5 miles of ped facility or 2 miles of bike facility	11.1%						
Inclusion in an Adopted Plan	In adopted plan	18%	not included			Do not include. All DCHC MPO jurisdictions have plans.					
Bicycle or Pedestrian Crashes	3 or more bike/ped crashes within last 5 years	2%	Safety	Number of bike/ped crashes within last 3 years	11.1%	Bicycle or Pedestrian Crashes	3 or more bike/ped crashes within last 5 years	14.3%	Bicycle or Pedestrian Crashes	3 or more bike/ped crashes within last 5 years	14.3%
Demand/Density	Population density within 0.5 miles of ped facility or 1.5 miles of bicycle facility	12%	Community Impacts	GIS analysis of population density, schools, and parks	11.1%	Demand/Density	Population density within 1.5 miles of bicycle facility	14.3%	Demand/Density	Population density within 0.5 miles of ped facility	14.3%
			not included	Traffic volume	AADT on roadway						
not included	not included	not included	Regional Connectivity	Part of regional bicycle route or pedestrian connection to Triangle Transit regional route, future rail, or local bus route	11.1%	Regional Connectivity	Part of regional bicycle route or pedestrian connection to Triangle Transit regional route, future rail, or local bus route	14.3%	Regional Connectivity	Part of regional bicycle route or pedestrian connection to Triangle Transit regional route, future rail, or local bus route	14.3%
not included	not included	not included	Environmental Impacts	GIS analysis of impact to wetlands, streams, species habitat, and water supply watersheds	11.1%	Do not include. Negative environmental impact of construction of bicycle facilities, sidewalks, and greenways is minimal.					
not included	not included	not included	Environmental Justice	GIS analysis of benefit to minority and low-income population	11.1%	Environmental Justice	GIS analysis of benefit to minority and low-income population	14.3%	Environmental Justice	GIS analysis of benefit to minority and low-income population	14.3%
not included	not included	not included	Funding Status	percent of funding in current TIP	11.1%	Do not include. Unfunded/post-year projects are no longer listed in the TIP.					

MPO Rank 35%

Prioritization 2.0									DCHC MPO Current Project Ranking Methodology			LPA Staff Recommendation		
Criteria	Metric	Statewide Tier	Regional Tier			Subregional Tier			Criteria	Metric	% of Score	Criteria	Metric	% of Score
		All % of Score	Mobility % of Score	Infrastructure Health % of Score	Safety & Security % of Score	Mobility % of Score	Infrastructure Health % of Score	Safety & Security % of Score						
Availability	One point for every percent increase in system-wide service hours	19%	6%	3%	6%	3%	3%	6%	not included			Availability	One point for every percent increase in system-wide service hours	14%
Connectivity	One point for connection to taxi stand, bicycle facility, sidewalk facility; demand response transit, high density housing within 1/2 mile, mixed use development; two points for connection to fixed route with 1 hour all day headway; three points for connection to fixed route with 30 minute peak headway	19%	6%	3%	6%	3%	3%	6%	Connectivity	Number of connections to fixed route transit systems	14.3%	Connectivity	One point for connection to taxi stand, bicycle facility, sidewalk facility; demand response transit, high density housing within 1/2 mile, mixed use development; two points for connection to fixed route with 1 hour all day headway; three points for connection to fixed route with 30 minute peak headway	14%
Technology	One point for every percent increase in funding spend on information technology	19%	6%	3%	6%	3%	3%	6%	not included			Technology	One point for every percent increase in funding spend on information technology	14%
Age	One point for every percent decrease in average age of fleet; Facilities: age of old facility/expected life of new facility + one-tenth of one point for every percent increase in surface area of space	19%	6%	3%	6%	3%	3%	6%	not included			Age	One point for every percent decrease in average age of fleet; Facilities: one-tenth of one point for every percent increase in surface area of space	14%
not included									Service Type	Replacement/O&M, Expansion/LRT/BRT/PnR, Enhancements/Amenities/ITS	14.3%	Do not include.		
not included									Ridership	Estimated number of new or benefitted riders per year	14.3%	Do not include.		
not included									Environmental Impacts	Based on project type, vehicle type, GIS analysis	14.3%	Environmental Impacts	Based on project type, vehicle type	14%
not included									Community Impacts	Based on density, schools, parks served	14.3%	Community Impacts	Based on density, schools, parks served	14%
not included									Environmental Justice Impacts	GIS analysis of benefit to low-income and minority areas	14.3%	Environmental Justice Impacts	GIS analysis of benefit to low-income and minority areas	14%
not included									Funding Status in TIP	percent of funding in current TIP	14.3%	Do not include.		
MPO Rank		25%	75%	90%	75%	90%	90%	75%						

Comprehensive Transportation Plan (CTP)

Tasks and Timeline (04-08-11)

Introduction

The DCHC MPO and Orange County will develop and adopt Comprehensive Transportation Plans (CTP) for their respective planning areas within the next year. The MPO and Orange County will coordinate the timeline and tasks to the greatest extent possible, and try to make the process as clear as possible given that most Orange County citizens live in the DCHC MPO planning area. Throughout the process it will remain clear that the TAC will adopt the CTP for the area in the MPO's planning area, and the Orange County Board of Commissioners (BOCC) will adopt the CTP for the area of Orange County that is not in the DCHC MPO or Burlington-Graham MPO.

This document presents the tasks and timeline for the DCHC MPO's CTP process. Given the coordination with the concurrent Orange County process, information on the coordination with Orange County is presented in *italics* when deemed relevant.

Tasks

1- CTP Schedule and Tasks (TAC review June 2011)

TAC received proposed schedules at previous meetings. No action was taken.

2- Goals and Objectives (completed)

The CTP process will use the same Goals and Objectives in the joint 2035 LRTP and CTP process.

Orange County already has a set of goals and objectives. The goals and objectives for the DCHC MPO and Orange County do not appear to have any conflicts.

3- Draft CTP (TAC release September 2011)

Develop Draft CTP for public review and input. TAC receives Draft in August 2011 and releases in September 2011. NCDOT staff will produce the preliminary Draft in July 2011 with substantial input from the MPO. Deficiency data will be presented with the Draft CTP to help staff, the public and elected officials understand the need for the proposed transportation improvements.

The MPO and Orange County will work together to coordinate the transportation projects in the Draft CTP.

4- Public Input (complete by October 2011)

The Draft CTP and supporting information will be released for public input, and will likely include:

- a. Draft CTP maps for highway, public transportation and rail, bicycle, and pedestrian (following NCDOT prescribed format);
- b. Deficiency Analysis such as V/C maps (congestion maps using volume-to-capacity ratio) from the 2035 LRTP process.

Orange County has drafted deficiency data and maps.

The public outreach will include the activities listed directly below. The outreach could be expanded, e.g., additional workshop(s), if the projects attract a significant level of citizen input.

- a. Four workshops: one each in Durham, Orange (Chapel Hill and Hillsborough) and Chatham Counties;
- b. TAC public hearing;
- c. Presentation to local boards and elected officials, as desired;
- d. Mailing and published notices;
- e. Web site presentation and application to take comments; and,
- f. Newsletter.

Orange County has conducted presentations to the BOCC and advisory boards, and conducted a public workshop.

5- Recommended CTP (TAC receive November 2011)

Prepare recommended CTP based on TAC, public and staff input. Coordinate with CAMPO, Orange County, Chatham County, Person County, Granville County, Triangle Area RPO, Kerr-Tar RPO, and Burlington-Graham MPO to help ensure similar treatment of improvements and services that cross the borders.

6- Adopted CTP (TAC adopt December 2011)

TAC adopts the CTP for the DCHC MPO and endorses the CTP for the area in Orange County that is not in the DCHC MPO planning area. The Triangle Area Regional Planning Organization (TARPO) might decide to endorse the CTP, as well. The process for the North Carolina Board of Transportation to adopt the CTP will likely take an additional four months.

Orange County Board of Commissioners will adopt the CTP for the Orange County area that is not in the DCHC MPO and the TAC will endorse the CTP for that same area.

7- Technical Report (complete by April 2012)

The CTP technical report for the DCHC MPO and Orange County can be a joint report. The report will document the analysis and support for the proposed transportation improvements, and could include the MPO-wide collector street plan.

8- Corridor Protection and Programming

Local staff and the NCDOT will be responsible for implementing the CTP through the development review process and project recommendations.

Task Timeline

A simple task timeline is presented on the following page (page 4).

DRAFT

Comprehensive Transportation Plan – Updated Task Timeline

Task ID#	Plan Tasks	2011									Jan					
		May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2012	Feb	Mar	Apr	May	Jun	
1	CTP Schedule and Tasks -- TAC review and comment on CTP schedule and task plan															
2	Goals and Objectives -- TAC endorse goals and objectives	completed														
3	Draft CTP -- Develop Draft CTP and TAC releases for public comment															
4	Public Input -- Publish Draft CTP, mail CTP newsletter and notices, conduct workshops, local gov't input, and TAC conducts public hearing															
5	Recommended CTP -- Prepare and review recommended CTP															
6	Adopted CTP -- TAC adopts final CTP. NCDOT Board adopts CTP.															
7	Adopted CTP -- NCDOT Board adopts CTP.															NCDOT
8	Technical Report --															April 2012
9	Corridor Protection and Programming --															Ongoing ==>

	(bold/blue block) = Board task/action
	(light/blue crosshatch) = First Board review or action
	(light grey block) = Work in process

MEMORANDUM

To: Transportation Advisory Committee (TAC)
DCHC MPO

From: DCHC MPO Lead Planning Agency

Date: April 13, 2011

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

This memorandum provides a summary status of tasks for projects in the FY 2010-2011 Unified Planning Work Program.

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

2010-2011 Unified Planning Work Program (UPWP) – Projects

Comprehensive Transportation Plan (CTP)

- Draft CTP – September 2011 – Depends on NCDOT Schedule
- Public Input
- Recommended CTP
- Adopted CTP
- Technical report and implementation

NC 54/I-40 Corridor/Sub-Area Study

- ✓ Staff study initiation meeting
- ✓ Draft scope of services
- ✓ Agency review of scope and time
- ✓ Request for Proposal notice – October 2008
- ✓ Proposal due January 2009
- ✓ Consultant selected
- ✓ Contract negotiation underway
- ✓ Council contract approval May 18, 2009
- ✓ Notice to Proceed – June 2009
- ✓ Kickoff Meeting – July 2009
- ✓ Public Outreach Plan – August 2009
- ✓ Prepare Corridor / Subarea Community Profile – Dec 2009
 - ✓ Public Workshop #1 – Fall 2009
- ✓ Development and Evaluation of Scenarios – Apr 2010
 - ✓ Public Workshop #2 – Feb 25, 2010
- ✓ Transportation/Land Use Master Plan – June 2010
 - ✓ Public Workshop #3 – May 11, 2010
- ✓ Documentation and Final Presentation – June 2010
 - Local agency review – ongoing
 - Additional study to address issues raised during public comment
 - Study completion – December 2011

GIS/Data Integration and Automation

- ✓ Phase I completed. Internal review and implementation in progress
- ✓ Phase I deployment
- Database development – ongoing.
- Phase 2 to commence in July 2011

Land-use Model Development

- ✓ Multi-year project in progress
- ✓ Phase 1 completed
- ✓ Sensitivity analysis and testing in progress
- ✓ Data development in on-going
- Phase 2- Parcel level model for DCHC – To commence in July 2011
 - Initial database – TBD
 - Initial model estimation – TBD
 - Initial calibration – TBD

Non-Motorized Model Development

- ✓ Phase 1 completed.
- ✓ Phase 2 completed
- Sensitivity analysis and testing in progress
- White Paper on non-motorized prioritization tool

MPO Parking Survey and Study (postponed)

- Parking model specification
- Regional Coordination and planning
- Draft scope of services
- Request for Proposal notice
- Consultant selection
- Council contract approval
- Project commences

MPO Community Viz. Scenarios Planning and Visualization

- ✓ Project kick-off in November 2010 – completed
- Data collection
- Build Scenario Planning Tool
- Develop and approve Place Typology – Place Type Palette
- Focus Group Meetings
- Trend Forecasts
- Partnering Strategy
- Build Development Strategy
- Rationalize Scenarios
- Land use and Transportation MOEs
- Documentation/Protocol Report

Contract Number: C201487	Route: US-15
Physical Division: 5	County: Durham
Administrative Division: 5	TIP Number: B-3450, U-4009, U-4012
Length: 1.769 miles	Federal Aid Number: BRSTP-1116(6)
Resident Engineer: Chad D. Hinnant	RE Phone Number: (919)220-4680
Location Description: BRIDGES OVER SANDY CRK & TRIBUTARY & APPROACHES ON SR-1116, SR-1126 NEAR US-15/501 & SR-1116, US-15/501 AT MT MORIAH RD.	
Type of Work: GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.	
Contractor Name: DLB, INC DBA DLB INC (OF VA)	
Contract Amount: \$18,810,912.36	Cost Overrun/Underrun: 6.88%
Availability Date: 10/1/2007	Letting Date: 8/21/2007
Completion Date: 8/1/2010	Work Began: 10/1/2007
Revised Completion Date: 8/3/2010	Estimated Completion: 3/15/2011
Last Estimate Thru: 11/30/2010	Scheduled Progress: 100%
Last Estimate Paid: 3/2/2011	Actual Progress: 93.65%

Contract Number: C201994	Route: NC-147
Physical Division: 5	County: Durham
Administrative Division: 15	TIP Number: U-4763B
Length: 4.2 miles	Federal Aid Number: TIFIA-540(2)
Resident Engineer: D. Brian Harrington, PE	RE Phone Number: (919)836-4873
Location Description: TRIANGLE PARKWAY FROM NC-540 IN WAKE CO TO I-40 IN DURHAM CO	
Type of Work: GRADING, DRAINAGE, PAVING, SIGNALS, TOLL FACILITIES & STRS.	
Contractor Name: S. T. WOOTEN CORPORATION	
Contract Amount: \$137,446,000.00	Cost Overrun/Underrun:
Availability Date: 9/19/2008	Letting Date: 8/5/2008
Completion Date: 7/1/2011	Work Began: 8/3/2009
Revised Completion Date:	Estimated Completion:
Last Estimate Thru:	Scheduled Progress:
Last Estimate Paid:	Actual Progress:

Contract Number: C202064	Route: SR-2028
Physical Division: 5	County: Durham
Administrative Division: 5	TIP Number: U-3309A
Length: 1.165 miles	Federal Aid Number: STP-2028(4)
Resident Engineer: Cadmus Capehart, PE	RE Phone Number: (919)840-0914
Location Description: SR-2028 (TW ALEXANDER DR) FROM CORNWALLIS RD TO EAST OF NC-147 IN DURHAM.	
Type of Work: WIDENING, GRADING, DRAINAGE, PAVING & SIGNALS.	
Contractor Name: THOMPSON CONTRACTING GRADING PAVING & UTILITIES INC	
Contract Amount: \$6,502,648.68	Cost Overrun/Underrun: 2.88%
Availability Date: 2/1/2010	Letting Date: 12/15/2009
Completion Date: 8/15/2011	Work Began: 2/8/2010
Revised Completion Date:	Estimated Completion: 12/31/2011
Last Estimate Thru: 12/8/2010	Scheduled Progress: 36.5%
Last Estimate Paid: 4/1/2011	Actual Progress: 38.68%

Contract Number: C202277	Route: I-40
Physical Division: 5	County: Durham
Administrative Division: 5	TIP Number: R-2000AF, R-5164B
Length: 3.56 miles	Federal Aid Number: STM-540(15)
Resident Engineer: Jeffrey D. Allen, PE	RE Phone Number: (919)733-9499
Location Description: NORTHERN WAKE FREEWAY INTERCHANGE IMPROVEMENTS AT I-540 AND I-40, AND I-40 FROM NC-147 TO EAST OF I-540.	
Type of Work: WIDENING, GRADING, DRAINAGE, MILLING, PAVING, & STRUCTURE .	
Contractor Name: FSC II LLC DBA FRED SMITH COMPANY	
Contract Amount: \$7,577,355.48	Cost Overrun/Underrun: -4.6%
Availability Date: 3/1/2010	Letting Date: 1/19/2010
Completion Date: 12/31/2010	Work Began: 4/1/2010
Revised Completion Date: 1/9/2011	Estimated Completion: 5/1/2011
Last Estimate Thru: 1/7/2011	Scheduled Progress: 100%
Last Estimate Paid: 1/12/2011	Actual Progress: 96.85%

Contract Number: C202340	Route: SR-1321
Physical Division: 5	County: Durham
Administrative Division: 5	TIP Number: U-3804
Length: 1.07 miles	Federal Aid Number: STM-0505(50)
Resident Engineer: Chad D. Hinnant	RE Phone Number: (919)220-4680

<p>Location Description: SR-1321 (HILLANDALE RD) FROM I-85 TO NORTH OF SR-1407 (CARVER AVE). Type of Work: GRADING, DRAINAGE, PAVING, AND SIGNAL. Contractor Name: REA CONTRACTING A DIVISION OF THE LANE CONSTRUCTION CORPORAT Contract Amount: \$4,222,625.78 Cost Overrun/Underrun: 0% Availability Date: 8/30/2010 Letting Date: 7/20/2010 Completion Date: 6/15/2012 Work Began: 9/30/2010 Revised Completion Date: Estimated Completion: 6/15/2012 Last Estimate Thru: 3/7/2011 Scheduled Progress: 17% Last Estimate Paid: 3/16/2011 Actual Progress: 11.28%</p>	
<p>Contract Number: C202493 Route: I-85 Physical Division: 5 County: Durham Administrative Division: 5 TIP Number: R-5164A Length: 9.6 miles Federal Aid Number: STM-085-4(114)171 Resident Engineer: Cadmus Capehart, PE RE Phone Number: (919)840-0914 Location Description: 1 SECTION OF I-85, 1 SECTION OF US-15/501, AND 1 SECTION OF NC-147. Type of Work: MILLING, RESURFACING & MILLED RUMBLE STRIPS. Contractor Name: REA CONTRACTING A DIVISION OF THE LANE CONSTRUCTION CORPORAT Contract Amount: \$6,088,736.11 Cost Overrun/Underrun: -8.96% Availability Date: 3/15/2010 Letting Date: 1/19/2010 Completion Date: 12/16/2010 Work Began: 8/4/2010 Revised Completion Date: Estimated Completion: 4/30/2011 Last Estimate Thru: 2/7/2011 Scheduled Progress: 100% Last Estimate Paid: 2/17/2011 Actual Progress: 97.58%</p>	
<p>Contract Number: C202538 Route: NC-55, NC-751, SR-1118 SR-1357, SR-1404, SR-1615 SR-1641, SR-1646, SR-1656 SR-1670, SR-1671, SR-1901 SR-1954, SR-1955, SR-1981 US-70 Physical Division: 5 County: Durham Administrative Division: 5 TIP Number: Length: 22.96 miles Federal Aid Number: Resident Engineer: Cadmus Capehart, PE RE Phone Number: (919)840-0914 Location Description: 1 SECTION OF US-70, 1 SECTION OF NC-55, 1 SECTION OF NC-751 & 13 SECTIONS OF SECONDARY ROADS. Type of Work: MILLING, RESURFACING & SHOULDER RECONSTRUCTION. Contractor Name: TRIANGLE GRADING & PAVING, INC Contract Amount: \$4,474,348.51 Cost Overrun/Underrun: -2.27% Availability Date: 3/15/2010 Letting Date: 1/19/2010 Completion Date: 12/16/2010 Work Began: 4/5/2010 Revised Completion Date: Estimated Completion: 5/15/2011 Last Estimate Thru: 3/22/2011 Scheduled Progress: 100% Last Estimate Paid: 3/29/2011 Actual Progress: 95.93%</p>	
<p>Contract Number: C202610 Route: NC-147 Physical Division: 5 County: Durham Administrative Division: 5 TIP Number: R-5164D Length: 6.8 miles Federal Aid Number: STM-0147(3) Resident Engineer: Cadmus Capehart, PE RE Phone Number: (919)840-0914 Location Description: NC-147 FROM NORTH OF SR-1322 (BROAD ST) TO NORTH OF SR-2028 (TW ALEXANDER BLVD). Type of Work: DIAMOND GRINDING, CONC PVT SLAB REMOVAL & SHOULDER RECONST. Contractor Name: FSC II LLC DBA FRED SMITH COMPANY Contract Amount: \$4,274,880.20 Cost Overrun/Underrun: Availability Date: 3/15/2011 Letting Date: 9/21/2010 Completion Date: 11/1/2011 Work Began: 3/15/2011 Revised Completion Date: Estimated Completion: Last Estimate Thru: Scheduled Progress: Last Estimate Paid: Actual Progress:</p>	
<p>Contract Number: C202613 Route: - Physical Division: 5 County: Durham Administrative Division: 5 TIP Number: R-5164E Length: 7.59 miles Federal Aid Number: STM-0070(140) Resident Engineer: Chad D. Hinnant RE Phone Number: (919)220-4680 Location Description: 1 SECTION OF US-70 BUS, 13 SECTIONS OF US-15/501 BUS, 1 SECTION OF NC-751 AND 4 SECTIONS OF SECONDARY ROADS.</p>	

Type of Work: MILLING, RESURFACING & SHOULDER RECONSTRUCTION.
Contractor Name: FSC II LLC DBA FRED SMITH COMPANY
Contract Amount: \$1,844,694.96 **Cost Overrun/Underrun:**
Availability Date: 3/15/2011 **Letting Date:** 9/21/2010
Completion Date: 9/2/2011 **Work Began:**
Revised Completion Date: **Estimated Completion:**
Last Estimate Thru: **Scheduled Progress:**
Last Estimate Paid: **Actual Progress:**

Contract Number: C202712 **Route:** -
Physical Division: 5 **County:** Durham
Administrative Division: 5 **TIP Number:**
Length: 13.04 miles **Federal Aid Number:**
Resident Engineer: Cadmus Capehart, PE **RE Phone Number:** (919)840-0914
Location Description: NC-751 FROM 3 LANE SECTION TO THE CHATHAM COUNTY LINE & 6 SECTIONS OF SECONDARY ROADS.
Type of Work: WIDENING, RESURFACING & SHOULDER RECONSTRUCTION.
Contractor Name: REA CONTRACTING A DIVISION OF THE LANE CONSTRUCTION CORPORAT
Contract Amount: \$2,700,860.68 **Cost Overrun/Underrun:**
Availability Date: 4/4/2011 **Letting Date:** 2/15/2011
Completion Date: 9/30/2011 **Work Began:**
Revised Completion Date: **Estimated Completion:**
Last Estimate Thru: **Scheduled Progress:**
Last Estimate Paid: **Actual Progress:**

Contract Number: C202713 **Route:** -
Physical Division: 5 **County:** Durham
Administrative Division: 5 **TIP Number:**
Length: 14.99 miles **Federal Aid Number:**
Resident Engineer: Chad D. Hinnant **RE Phone Number:** (919)220-4680
Location Description: US-15/501 FROM MT MORIAH RD TO ORANGE CO LINE, NC-157 FROM BEG 2 LANE TO ORANGE CO LINE & 7 SECTIONS OF SECONDARY RDS.
Type of Work: WIDENING, RESURFACING & SHOULDER RECONSTRUCTION.
Contractor Name: REA CONTRACTING A DIVISION OF THE LANE CONSTRUCTION CORPORAT
Contract Amount: \$3,152,859.31 **Cost Overrun/Underrun:**
Availability Date: 4/4/2011 **Letting Date:** 2/15/2011
Completion Date: 8/26/2011 **Work Began:**
Revised Completion Date: **Estimated Completion:**
Last Estimate Thru: **Scheduled Progress:**
Last Estimate Paid: **Actual Progress:**

Contract Number: DO00069 **Route:** NC-147
Physical Division: 5 **County:** Durham
Administrative Division: 5 **TIP Number:** BK-5102G
Length: 0 miles **Federal Aid Number:** BRNHS-0147(4)
Resident Engineer: Cadmus Capehart, PE **RE Phone Number:** (919)840-0914
Location Description: BRIDGES #12, 71, 137, 154, 156, AND 169 ON NC-147.
Type of Work: BRIDGE PAINTING.
Contractor Name: S & D INDUSTRIAL PAINTING, INC.
Contract Amount: \$922,562.15 **Cost Overrun/Underrun:**
Availability Date: **Letting Date:** 8/19/2010
Completion Date: **Work Began:**
Revised Completion Date: **Estimated Completion:**
Last Estimate Thru: **Scheduled Progress:**
Last Estimate Paid: **Actual Progress:**

Contract Number: DO00070 **Route:** NC-147
Physical Division: 5 **County:** Durham
Administrative Division: 5 **TIP Number:** BK-5102E
Length: 0 miles **Federal Aid Number:** BRZ-1940(2)
Resident Engineer: Cadmus Capehart, PE **RE Phone Number:** (919)840-0914
Location Description: BRIDGES #194 ON SR-1940, #202 ON SR-2080, #206 ON SR-1121, AND #212 ON NC-147.
Type of Work: BRIDGE PAINTING.
Contractor Name: ASTRON GENERAL CONTRACTING COMPANY INC
Contract Amount: \$1,079,557.80 **Cost Overrun/Underrun:**
Availability Date: **Letting Date:** 8/19/2010
Completion Date: **Work Began:**

Revised Completion Date:	Estimated Completion:																												
Last Estimate Thru:	Scheduled Progress:																												
Last Estimate Paid:	Actual Progress:																												
<table border="1"> <tr> <td>Contract Number: DO00076</td> <td>Route: -</td> </tr> <tr> <td>Physical Division: 5</td> <td>County: Durham</td> </tr> <tr> <td>Administrative Division: 5</td> <td>TIP Number: BK-5102F</td> </tr> <tr> <td>Length: 0 miles</td> <td>Federal Aid Number: BRSTP-1959(5)</td> </tr> <tr> <td>Resident Engineer: Jeffrey D. Allen, PE</td> <td>RE Phone Number: (919)733-9499</td> </tr> <tr> <td colspan="2">Location Description: BRIDGES #228 ON SR-1959, #224 ON SR-1999, AND #100 ON SR-2028.</td> </tr> <tr> <td colspan="2">Type of Work: BRIDGE PAINTING.</td> </tr> <tr> <td colspan="2">Contractor Name: SAFFO CONTRACTORS INC</td> </tr> <tr> <td>Contract Amount: \$1,138,000.00</td> <td>Cost Overrun/Underrun:</td> </tr> <tr> <td>Availability Date:</td> <td>Letting Date: 9/2/2010</td> </tr> <tr> <td>Completion Date:</td> <td>Work Began:</td> </tr> <tr> <td>Revised Completion Date:</td> <td>Estimated Completion:</td> </tr> <tr> <td>Last Estimate Thru:</td> <td>Scheduled Progress:</td> </tr> <tr> <td>Last Estimate Paid:</td> <td>Actual Progress:</td> </tr> </table>		Contract Number: DO00076	Route: -	Physical Division: 5	County: Durham	Administrative Division: 5	TIP Number: BK-5102F	Length: 0 miles	Federal Aid Number: BRSTP-1959(5)	Resident Engineer: Jeffrey D. Allen, PE	RE Phone Number: (919)733-9499	Location Description: BRIDGES #228 ON SR-1959, #224 ON SR-1999, AND #100 ON SR-2028.		Type of Work: BRIDGE PAINTING.		Contractor Name: SAFFO CONTRACTORS INC		Contract Amount: \$1,138,000.00	Cost Overrun/Underrun:	Availability Date:	Letting Date: 9/2/2010	Completion Date:	Work Began:	Revised Completion Date:	Estimated Completion:	Last Estimate Thru:	Scheduled Progress:	Last Estimate Paid:	Actual Progress:
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Last Estimate Paid:	Actual Progress:																												

**ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC MPO
ARRA**

County	WBS #	Route	Location Description	Amount	Status
Orange	EL-4601	Morgan Creek Greenway	Construct Greenway	\$940,000	ARRA- Sullivan Eastern = 75.14% compl. ; ARRA funds added(\$47,488)- pedestrian bridge design under review
Orange	ER-5100 GE	US 15-501@ SR 1734 (Erwin Rd./Europa Dr.)	Plantings	\$65,000	ARRA -Plymouth Nursery and Landscaping =75% compl.; warranty period underway; final compl. 4/30/12
Orange	U-3306 34913.3.ST1 STM-1733 (16)	SR 1733 (Weaver Dairy Rd.) from NC 86 to Old Sterling Road	Grading, drainage, paving, signals, curb and gutter, retaining wall	\$13.4 million	Yates Construction Co., Inc. began const. 9/710= 10.21% complete
Orange	U-4704	Chapel Hill-Carrboro	Computerized Traffic Signal System	\$5.175 million	ARRA-Brooks Berry Haynie & Assoc., Inc.; Mableton, Ga. = 25.76% compl. -conduit installation underway-aerial pending; cabinets to be installed March 2011
Orange	U-4726 GA	Twin Creeks Park Greenway	Linear park: 10' multi-use asphalt trail including bridge over Jones Creek	\$429,457.00	ARRA- McQueen Construction =56% compl.-const. of pedestrian bridge & 100' greenway pending; inv. reimbursed; Suppl. Const. Agree. for bridge approved; Suppl. Agreement to extend compl. date to 6/30/11
Orange	U-4726 JA	Hillsborough	Construct sidewalks	\$1,034,110.00	ARRA, STP-DA, & Contingency - S.T. Wooten Corp.= 50 +% compl.; M.A. compl. 7/24/11-rev. to 9/17/11;Const. Suppl. for drainage app. by JMM; Inv. reimb. for pay appl. #3-#7 compl.

**ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC MPO
ARRA**

NCDOT PROJECTS CURRENTLY IN 12 MONTH LETTING LIST					
County	TIP #	Route	Location Description	TIP Est.	Est. Let Date
			NONE		

ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC MPO

County	WBS #	Route	Location Description	Amount	Status
Orange	36945	SR 1010 (Franklin St.) @ Mallette St.	Upgrade traffic signal and install pedestrian signal heads REVISION: Install mast arm	\$110,000.00	Spending Authority FY '10-'11
Orange	41593	Union Street	Construct 750 feet of sidewalk and a crosswalk to connect Hillsborough Elementary School to SR 1156 (Nash St.)	\$32,000 (Statewide Contingency)	See U-4726 JA
Orange	42486	SR 1008 (Mt. Carmel Ch. Rd.) @ SR 1913 (Bennett Rd.)	Install solar powered flashers at both approaches to the intersection	\$10,000	Flashers operating 10/6/09
Orange	42501	US 15/501/NC54 (Fordham Blvd.) at SR 1900 (Old Mason Farm Rd.)	Construct bus pulloffs on both sides	\$140,000	FA const. to begin after compl. of sidewalks on U- 4726 IE
Orange	42502	SR 1010 (Franklin St.) between Hillsborough St. and Plant Rd.	Replace deteriorated curb and gutter at several locations on both sides	\$30,000	Municipal Agreement to Town for execution 3/9/10; Const. FY '10-'11
Orange	42810	SR 1713 (Mt. Hermon Ch. Rd.) and SR 1710 (Old NC 10)	Install a flasher	\$15,000	Installation = 100% compl.
Orange	7CR.10681.15	NC 57 from joint north of SR 1544 (Pearson Rd.) to approx. 685' south of centerline of NC 157	Widening, resurfacing and pavement markings		S.T. Wooten Corp.- work resumed 3/15/10
Orange	7CR.10681.16 7CR.20681.16	NC 54 and 11 sections of secondary roads	Milling, resurfacing and shoulder reconstruction		S.T. Wooten Corp. - Pre-con. conf. 4/1/10; FA patching compl.
Orange	B-4216	SR 1002 (St. Mary's Road)	Replacement of Bridge # 66 over Stroud's Creek	\$800,000	Dane Const. Inc. began work 3/8/10
Orange	I-4716	I-40	Grind and reseal joints on I-40 from I-85 to Durham Co. (Patching spalls, Diamond grinding and slab repair added)	\$7.4 million	Safety Grooving & Grinding, L.P., Napoleon, Ohio - night work to begin 4/26/10

ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC MPO

Orange	I-5142	I-85/I-40	Mill, resurface and install pavement markers and rumble strips from west of SR 1114(Buckhorn Road) to the I-85/I-40 interchange	\$8.60 million	C.C. Mangum Co., LLC; will begin work 7/12/10 and compl. all lanes in one direction by Dec.-lanes in other direction will be compl. by 7/15/11
Orange	42170 SS-4907 T 42204.2 42204.1	SR 1710 (Old NC 10) @ NC 86	Construct a right turn lane on SR 1710 and install a traffic signal	\$215,000	Design underway; minor R/W & utility relocation; Const. FY '10-'11
Orange	42171 SS-4907 U 42205.2 42205.1	SR 1710 (Old NC 10) @ SR 1713 (Mt. Herman Church Road)	Improve sight distance on SR 1710 by lowering the crest vertical curve on the westbound approach to the intersection	\$300,000	Design underway; Const. FY '10-'11
Orange	42423.3 42423.1 SS -4907V	SR 1005 (Old Greensboro Rd.) @ SR 1951 (White Cross Rd.)	Realign intersection	\$165,000	Survey compl. & Design underway; Const. FY '10-'11; flasher has been installed by separate project
NCDOT PROJECTS CURRENTLY IN 12 MONTH LETTING LIST					
County	TIP #	Route	Location Description	TIP Est.	Est. Let Date
Orange	R-5200	NC 86	Widen for 2' paved shoulders from SR 1730 (Whitfield Rd.) to south of SR 1710	\$950,000.00	Letting not scheduled
Orange	U-0624	NC 86 (S. Columbia St.)	Corridor upgrade including Bicycle lanes from SR 1906 (Purefoy Rd.) to SR 1902 (Manning Dr.)	\$4.30 million	Nov. 2011
Orange	U-3306	SR 1733 (Weaver Dairy Rd.) from NC 86 to SR 1734 (Erwin Rd.)	Grading, drainage, paving, signals, curb and gutter	\$13.4 million	July 20, 2010