

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

**February 23, 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 January 26, 2011 TCC Meeting Minutes
(Attachment 4)**

A copy of the January 26, 2011 minutes is enclosed as Attachment 4.

TCC Action: Approve minutes of the January 26, 2011 TCC meeting.

**5. FY 2009-2015 Metropolitan Transportation Improvement Program Amendment #18
and Surface Transportation Program Direct Attributable (STPDA) Approval
(Attachment 5, 5A)**

Ellen Beckmann, LPA Staff

Amendment 18 to the FY 2009-2015 Metropolitan Transportation Improvement Program is necessary to add funding to a City of Durham project. The City of Durham is adding \$200,800 of STPDA to the Fayetteville Road Safe Routes to School project (SR-5001C) in FY 2011. Funding is taken from the Cornwallis Road bicycle and pedestrian project (U-4724) in FY 2011. Attachment 5 is the resolution adopting Amendment #18 to the FY 2009-2015 MTIP. Attachment 5A is the amended STPDA table.

TCC Action: Recommend that the TAC approve Amendment #18 to the FY 2009-2015 MTIP and the STP-DA Table.

**6. FY 2011-2012 Unified Planning Work Program
(Attachment 6, 6A, 6B, 6C)**

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. As part of the FY12 UPWP approval process we need to evaluate the changes to the STP-DA table proposed to facilitate funding for Chapel Hill Transit’s planning activities. Attachment 6C is the STP-DA with the proposed change for Chapel Hill. We also need to discuss the additional funding request from TJCOG. Attachment 6B is the detailed funding table for TJCOG. Based on approved STP-DA, TJCOG’s FY2012 allocation is \$34,494(100%)/\$27,595 (80%-Fed). They have requested an additional \$27,605(80%-Fed) for the FY12 UPWP.

Attachment 6A was unavailable at the time of the agenda posting. It will be posted online as soon as it is available or handed out at the meeting.

TCC Action: Recommend that the TAC release the draft FY 2011-2012 UPWP for public comment and schedule a public hearing at the April 13, 2011 TAC meeting.

7. Job Access Reverse Commute and New Freedom Programs – 2011 Call for Projects (Attachment 7)

Maricia Brown, LPA Staff

The application deadline for the 2011 Call for Projects for JARC and NF is February 28th. In anticipation of receiving eligible project applications, the TCC needs to select the committee and schedule the review dates to score applications. According to the approved schedule in Attachment 7, the selection committee must score applications and recommend a program of projects by April 15th.

TCC Action: Appoint project selection committee & schedule review dates.

8. Regional Bicycle and Pedestrian Safety Campaign (Attachment 8)

Steven Waters, Raleigh Bicycle and Pedestrian Advisory Commission

The City of Raleigh Bicycle & Pedestrian Advisory Commission has proposed a Triangle-wide bicycle and pedestrian public safety campaign that could involve radio, television, internet, and print media in conjunction with targeted enforcement efforts during Bike to Work Month.

Funding contributions would be requested from the Capital Area MPO, DCHC MPO, the Governor's Highway Safety Program, and other sources, with program administration by the Triangle J COG.

The TCC will receive a presentation on this item from Mr. Steven Waters, chair of the Raleigh BPAC. Attachment 8 is a copy of the presentation.

TCC Action: Receive the presentation and make a recommendation to the TAC.

9. FY 2014-2020 Transportation Improvement Program – Regional Priority List
(Attachment 9)

Ellen Beckmann, LPA Staff

NCDOT has begun developing the process for prioritizing projects for the next Transportation Improvement Program (TIP). A presentation on "Prioritization 2.0" was given to NCAMPO and is provided as Attachment 9.

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 June 2011. MPOs, RPOs, and Divisions will then be asked to rank projects by October 2011.

TCC Action: Receive update and discuss schedule for developing the FY 2014-2010 TIP Regional Priority List.

REPORTS FROM STAFF:

10. Reports from Staff

(Attachment 10)

Felix Nwoko, LPA Staff

TCC Action: Receive Report from staff

11. Report from the Chair

Mark Ahrendsen, TCC Chair

TCC Action: Receive Report from TCC Chair

12. NCDOT Report

(Attachment 12)

Wally Bowman, Division 5 – NCDOT

Mike Mills, Division 7 – NCDOT

INFORMATIONAL ITEMS

13. Triangle Regional Transit Program Meeting Notice

(Attachment 13)

Adjourn

Next meeting: February 23, 2011

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TECHNICAL COORDINATING COMMITTEE

January 26, 2011

MINUTES OF MEETING

The Technical Coordinating Committee met on January 26, 2011 at 9:00 a.m. in the Council Committee Room on the second floor of Durham City Hall. The following attended:

- *Mark Ahrendsen City of Durham – Transportation (TCC Chair)
- *Ellen Beckmann (Alternate) City of Durham – Transportation
- *Julie Bollinger NCDOT - TPB
- *David Bonk Town of Chapel Hill (TCC Vice-Chair)
- *Jeff Brubaker Town of Carrboro
- *Melissa Guilbeau Chatham County
- *John Hodges-Copple Triangle J COG
- *Joey Hopkins (Alternate) NCDOT – Division 5
- *Tom King Town of Hillsborough
- *Karen Lincoln Orange County
- *Brian Litchfield Town of Chapel Hill
- *Ray Magyar UNC – Transportation
- *Kumar Neppalli Town of Chapel Hill
- *Felix Nwoko City of Durham - Transportation
- *Pierre Osei-Owusu (Alternate) City of Durham – DATA
- *Meg Scully Durham County
- *Ed Venable City of Durham - Engineering
- *Patrick Wilson (Alternate) NCDOT – Division 7
- Maricia Brown City of Durham – Transportation
- Dale McKeel City of Durham – Transportation
- Brian Rhodes City of Durham – Transportation
- Geoffrey Sloop NCDOT – TPB
- Emily Yasukochi Town of Chapel Hill

*Voting Member
 ^Temporary Non-Voting Member
 Quorum Count: 18 of 20 Voting Members

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

Mark Ahrendsen, TCC Chair, called the meeting to order at 9:07 a.m. The Alternate Voting

Members were identified and are indicated above.

41 **PRELIMINARIES:**

42 **Adjustments to the Agenda**

43 Mark Ahrendsen stated there were handouts distributed at the beginning of the meeting which
44 will be addressed during the meeting. Otherwise, there were no adjustments to the agenda.

45 **Public Comments**

46 There were no public comments.

47 **ACTION ITEMS:**

48 **Approval of December 15, 2010 TCC Meeting Minutes (Attachment 4)**

49 A motion was made by John Hodges-Copple and seconded by Pierre Osei-Owusu to approve the
50 December 15, 2010 TCC Meeting Minutes. The motion carried unanimously.

51 **FY 2012-2018 Metropolitan Transportation Improvement Program, 2035 Long Range Transportation**
52 **Plan Amendment #2, and Air Quality Conformity Process (Attachments 5, 5A, 5B, and 5C)**

53
54 Ellen Beckmann provided an introduction for the FY 2012-2018 Metropolitan Transportation
55 Improvement Program, 2035 Long Range Transportation Plan Amendment #2, and Air Quality
56 Conformity Process, along with the attachments.

57 Ellen Beckmann stated attachment 5C is a draft LRTP amendment changing the mileage for five
58 projects so that the mileage in the LRTP and the TIP match. There may be one addition to this which
59 adjusts the air quality horizon year for the Carver Street extension in Durham which will be open by
60 2015. There will be more extensive LRTP changes in CAMPO. We hope to have one amendment with
61 both the DCHC and CAMPO changes listed. DCHC will only be approving the DCHC changes and CAMPO
62 will approve their changes. The TIP and LRTP Amendment will have to go through the Air Quality
63 Conformity Process. The document won't be ready until June. It will be released at the June TAC
64 meeting, and it will be approved at the August meeting.

65 The TCC has already made a recommendation for the TIP which is attachment 5B. There are
66 additional changes the LPA staff would like to make to the draft MTIP which Ellen Beckmann reviewed
67 with TCC members.

68 After reviewing the December 2010 TCC Meeting Minutes, Ellen Beckmann stated that the
69 Eubanks Road park-and-ride lot project needs to be added to attachment 5B. Brian Litchfield stated
70 they should have the actual cost in 6 to 9 months.

71 A motion was made by David Bonk and seconded by Felix Nwoko to amend the previous action
72 to reflect the changes described above to the MTIP and LRTP amendment. Recommend that the TAC
73 release the FY 2012-2018 Draft Metropolitan Transportation Improvement Program and the draft 2035
74 Long Range Transportation Plan Amendment #2 for public comment. Joey Hopkins stated that page 4 of
75 attachment 5 needs to reflect December and not January. The motion carried unanimously.

76 Ellen Beckmann stated that Mike Stanley hopes we will have some replies on some of the one-
77 on-one follow-up items by March.

78 **Air Quality Conformity Process Memorandum of Agreement (Attachment 6)**

79 Felix Nwoko provided an introduction for the Air Quality Conformity Process Memorandum of
80 Agreement, along with the attachment.

81 Jeff Brubaker asked if there will be any impact by the EPA ruling on greenhouse gases. Felix
82 Nwoko stated he is not sure, but he will check and get back to Mr. Brubaker.

83 A motion was made by Felix Nwoko and John Hodges-Copple to recommend TAC approval of the
84 Memorandum of Agreement. The motion carried unanimously.

85 **FY 2011-2012 Unified Planning Work Program (Attachment 7)**

86 Maricia Brown provided an introduction for the FY 2011-2012 Unified Planning Work Program,
87 along with the attachment. Ms. Brown stated we are working under the NCDOT deadline. Maricia
88 Brown will add a public hearing date to the schedule and will bring back to the February TCC meeting.

89 Ms. Brown reviewed what is missing and needs to be added for STPDA and PL. There are issues with
90 files that are being transmitted electronically.

91 Ms. Brown stated there is a memo from Mike Bruff which states there is a limited amount of PL
92 funds available. There are not going to be any adjustments made at this time.

93 David Bonk asked about the unexpended balance and stated we should look at redistribution of
94 funds. David Bonk asked how much carryover is there and could it be used to offset funds. Ms. Brown
95 stated we keep PL funding by agency. We are up to date for FY2010 and they have released our
96 closeout balance of \$40,000 which is unspent LPA funds. Ms. Brown stated it defeats the purpose to
97 redistribute funds as the funds are usually linked to an ongoing project.

98 Maricia Brown stated that now is the time to look at FY2011 funds, deobligate, and amend
99 UPWP. There is a March deadline.

100 Maricia Brown asked that everyone keep in mind there will be some changed numbers that you
101 don't see right now. Please review the UPWP in the TAC packet for changes. Ms. Brown stated the
102 narratives and DBE forms are due as soon as possible for the TAC draft.

103 A motion was made by Felix Nwoko and seconded by Jeff Brubaker to recommend that the TAC
104 release the draft of the UPWP as amended at the February meeting. The motion carried unanimously.

105 **REPORTS FROM STAFF:**

106 **Reports from Staff (Attachment 8)**

107 Felix Nwoko stated we have amended a contract to enter into Phase II of the NC54 study to deal
108 with issues raised by the public, agencies, and officials.

109 Jeff Brubaker asked about the update on the UPWP project for the Town of Carrboro and the
110 Town of Hillsborough. Felix stated he is working on the scope of work.

111 John Hodges-Copple asked for an update on the Community Viz and the Urban SIM project.
112 CAMPO is interested and the consultant has amended the schedule to accommodate CAMPO. Felix

113 Nwoko stated they are hoping to have a kick-off meeting with CAMPO in February. It will be one
114 project. David Bonk has a concern with a delay due to CAMPO. Felix Nwoko stated the elements will
115 be separated by MPO.

116 John Hodges-Copple wants a better understanding of how Community Viz and Urban SIM work
117 together. Felix Nwoko stated that Urban SIM is actually a model that is used to look at the impact of
118 land use on transportation. Community Viz is actually a scenario planning tool. Community Viz is a
119 component. He has a concern that staff won't have enough time to do everything. Mr. Hodges-Copple
120 stated if there is a report for Phase I he would like to see it.

121 Maricia Brown stated there was a good turnout for the JARC/NF workshop. The deadline for
122 applications is February 28, 2011.

123 **Report from the Chair**

124 Mark Ahrendsen stated that work is being done on the Triangle Regional Transit Program. There
125 will be a regional bike/ped workshop on Friday at RDU at 8:30 a.m. There will be a RTA breakfast on
126 March 8, 2011 at 7:30 a.m.

127 **NCDOT Report (Attachment 10)**

128 Joey Hopkins, NCDOT Division 5, did not have any updates to provide.

129 Patrick Wilson, NCDOT Division 7, stated they have received an estimate of \$430,000 for the
130 roundabout at Erwin Road and Mount Moriah. The maximum cost for spot safety projects is \$250,000
131 so additional funds will be needed for the project.

132 Mark Ahrendsen stated they are working with NCDOT on a scope of project for the Traffic
133 Separation Study for Durham.

134 Tom King stated the Town of Hillsborough has also signed an agreement for a separation study
135 in Hillsborough.

136 David Bonk stated Triangle Transit is scheduled to release their recommended alternative
137 analysis on March 15, 2011. The release begins a public review process. How does this coincide with
138 the MPO process and local review? John Hodges-Copple stated the LPA could be longer than the fiscally
139 constrained county plans. It is not clear. Mark Ahrendsen stated we need to get Durham and Orange
140 county officials together.

141 **INFORMATIONAL ITEMS**

142 There were no informational items.

143 **ADJOURNMENT**

144 There being no further business before the Technical Coordinating Committee, the meeting was
145 adjourned at 10:16 a.m.

**RESOLUTION TO MODIFY THE
2009-2015 TRANSPORTATION IMPROVEMENT PROGRAM
FOR THE DURHAM-CHAPEL HILL-CARRBORO URBAN AREA**

**AMENDMENT #18
March 9, 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 Metropolitan Transportation Improvement Program (MTIP) is a staged multiple year listing of all federally funded transportation projects scheduled for implementation within the Durham-Chapel Hill-Carrboro Urban Area which have been selected from a priority list of projects; and

WHEREAS, the document provides the mechanism for official endorsement of the program of projects by the Transportation Advisory Committee (TAC); and

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

WHEREAS, the procedures for developing the MTIP have been modified in accordance with certain provisions of the SAFETEA-LU Federal Transportation Act and guidance provided by the State; and

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

WHEREAS, the North Carolina Department of Transportation and the Transportation Advisory Committee have determined it to be in the best interest of the Urban Area to amend the FY 2009-2015 Metropolitan Transportation Improvement Program as described in the attached sheet; and

WHEREAS, there has been no change in the MTIP project schedule or project design concept and scope with regard to the air quality conformity finding made by the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Transportation Advisory Committee on August 13, 2008; and

WHEREAS, the DCHC MPO certifies that this MTIP amendment is consistent with the intent of the DCHC MPO 2035 LRTP; and

BE IT THEREFORE RESOLVED that the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization Transportation Advisory Committee hereby amends the FY 2009-2015 Metropolitan Transportation Improvement Program of the Durham-Chapel Hill-Carrboro Urban Area, as approved by the TAC on August 13, 2008, and as described in the “Attachment to Resolution for Amendment #18 to DCHC 2009-2015 MTIP” provided here on this, the 9th day of March, 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: March 9, 2011

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

Attachment to Resolution for Amendment #18 to DCHC 2009-2015 MTIP**Amended Project - decreased STPDA by \$200,800**

TIP	Location	Description	Funding	Phase	FY 2011
U-4724	Durham	Cornwallis Road, South Roxboro Road to University Drive. Bike and Pedestrian Features	STPDA	C	\$ 1,374,700
			O	C	\$ 343,675

Amended Project - added \$200,800 of STPDA

TIP	Location	Description	Funding	Phase	FY 2011
SR-5001C	Durham	Safe Routes to School - Fayetteville Road Bicycle and Pedestrian Improvements	STPDA	C	\$ 200,800
			O	C	\$ 50,200

DCHC MPO STPDA Funding Table for FY 2010 through 2015 - Approved August 11, 2010 - with proposed change to be presented to the TAC in March 2011

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 Greenway)	\$ 737,500	\$ 590,000			Construction	\$590,000								
Carrboro	EL-4828		Morgan Creek Greenway - Carrboro	\$ 600,000	\$ 480,000	Planning	\$84,000	Construction	\$396,000								
Carrboro	U-4726		Bolin Creek Greenway (Jones Creek)	\$ 268,375	\$ 214,700			Construction	\$214,700								
Carrboro	U-4726		Rogers Road - Sidewalk (Homestead to Meadow Run)	\$ 536,200	\$ 428,960	Planning	\$ 65,000	Construction	\$363,960								
Carrboro	U-4726		S. Greensboro St. - Sidewalk	\$ 58,300	\$ 46,640					Construction	\$46,640						
Carrboro	U-4726		Bicycle Loop Detectors	\$ 37,500	\$ 30,000			Construction	\$30,000								
Carrboro	U-4726		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	\$ 951,250	\$ 761,000	UPWP/Plan	\$ 388,000	UPWP/Plan	\$ 373,000								
Chapel Hill	U-4727		Intersection & Traffic Study @ RAMS Plaza	\$ 100,000	\$ 80,000	UPWP/Plan	\$ 32,000	UPWP/Plan	\$ 48,000								
Chapel Hill	U-4726	P	CH - Culbreth Rd: Cobble Ridge to Rosburn 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)	\$ 1,656,250	\$ 1,325,000			Capital	\$ 1,325,000								
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	F	CH - Chapel Hill Sidewalks	\$ 400,000	\$ 320,000			Construction	\$ 320,000								
Chapel Hill	U-4726		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/Plan	\$ 24,000								
Chapel Hill	U-4726		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 Pearsons town Elem.) Sidewalk	\$ 19,600	\$ 15,680	Construction	\$15,680										
Durham	U-4726	HM	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	\$ 317,400	Construction	\$930,600								
Durham	U-4724		Cornwallis Road - Bike/Ped Facilities (S. Roxboro to University or C.H.)	\$ 2,144,000	\$ 1,715,200	Planning	\$ 340,500	Construction	\$1,374,700								
Durham	U-3804		Hillandale (I-85 to Carver) - Sidewalks	\$ 81,144	\$ 64,915	Construction	\$64,915										
Durham	U-4726	O	DUR - Carpenter Fletcher RD; Woodcroft- Alston bike impr.	\$ 142,740	\$ 114,192	Planning	\$ 17,129			Construction	\$97,063						
Durham	U-4726	O	Carpenter Fletcher - Bike/Ped Facilities (Woodcroft to Alston)	\$ 1,282,976	\$ 1,026,381	Planning	\$ 153,957			Construction	\$872,424						
Durham	U-4726		Avondale - Sidewalk (I-85 to Geer)	\$ 515,000	\$ 412,000					Construction	\$412,000						
Durham	U-4726		Cheek - Bike/Ped Facilities (Geer to Hardee)	\$ 695,000	\$ 556,000			Planning	\$83,400			Construction	\$ 472,600				
Durham	U-4726	K	DUR - Hillandale: Club to I-85 5' sidewalk on both sides	\$ 165,484	\$ 132,387			Planning	\$19,858			Construction	\$ 112,529				
Durham	U-4726		Hillandale - Bike/Ped Facilities (I-85 to Fulton)	\$ 1,150,000	\$ 920,000			Planning	\$138,000			Construction	\$ 782,000				
Durham	U-4726	G	DUR - 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		Fayetteville Road (Cornwallis to Nelson) bicycle lanes and sidewalks	\$ 251,000	\$ 200,800			Construction	\$200,800								
LPA	U-4727		UPWP - staff and routine	\$ 5,176,492	\$ 4,141,193	UPWP/Plan	\$ 432,794	UPWP/Plan	\$ 662,709	UPWP/Plan	\$ 883,959	UPWP/Plan	\$ 699,526	UPWP/Plan	\$ 720,370	UPWP/Plan	\$ 741,836
LPA	U-4727		UPWP - ITS Deployment Plan Update	\$ 70,000	\$ 56,000	UPWP/Plan	\$ 56,000										
LPA	U-4727		UPWP - Bike/Ped (non-motorized trip) Model Development	\$ 175,000	\$ 140,000	UPWP/Plan	\$ 113,500	UPWP/Plan	\$ 26,500								
LPA	U-4727		UPWP - GIS Integration and Automation	\$ 200,000	\$ 160,000	UPWP/Plan	\$ 160,000										
LPA	U-4727		UPWP - Land Use Model Development	\$ 250,000	\$ 200,000	UPWP/Plan	\$ 200,000										
LPA	U-4727		UPWP - MPO Collector Street Plan	\$ 50,000	\$ 40,000	UPWP/Plan	\$ 40,000										
LPA	U-4727		UPWP - NC 54 Subarea Study	\$ 250,000	\$ 200,000	UPWP/Plan	\$ 150,000	UPWP/Plan	\$ 50,000								
LPA	U-4727		UPWP - Commercial Vehicle Study	\$ 125,000	\$ 100,000	UPWP/Plan	\$ 55,100	UPWP/Plan	\$ 44,900								
LPA	U-4727		UPWP - GIS Integration Phase II	\$ 375,000	\$ 300,000					UPWP/Plan	\$ 150,000	UPWP/Plan	\$ 150,000				
LPA	U-4727		UPWP - Parking Study	\$ 125,000	\$ 100,000					UPWP/Plan	\$ 100,000						
LPA	U-4727		UPWP - Transit Studies	\$ 546,454	\$ 437,163					UPWP/Plan	\$ 137,163	UPWP/Plan	\$ 300,000				
NCDOT	EB-4707		Old Durham-Chapel Hill Road - Chapel Hill, Durham	\$ 4,639,000	\$ 3,711,200	ROW	\$511,200	Construction	\$3,200,000								
Triangle Transit	TT-4911		Technology: Automatic Passenger Counters	\$ 49,245	\$ 39,396			Capital	\$39,396								
				\$ 31,312,237	\$ 25,049,789		\$ 5,233,699	\$11,593,296		\$3,301,249		\$ 3,333,655		\$ 846,055		\$ 741,836	

Proposed change

MEMORANDUM

TO: Transportation Technical Committee
DCHC MPO

FROM: DCHC MPO Lead Planning Agency

DATE: February 23, 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.

Unified Planning Work Program (UPWP) Development Process

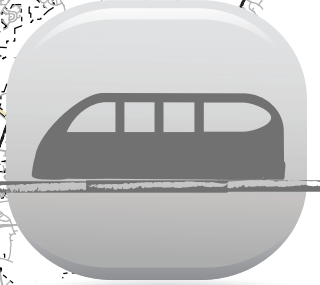
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The development process for the 2011-12 UPWP is presented below. The work program contains any new initiative for FY2012 and a continuation of the FY2011 initiatives and emphasis areas. In addition, the schedule provides for opportunity for linking 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 Metropolitan Planning Organization

FY 2011 - 2012 Unified Planning Work Program



draft

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

RESOLUTION

Approving the FY 2011-2012 Unified Planning Work Program

APPROVAL DATE, 2011

A motion was made by _____ and seconded by _____
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*.

draft

I, Lydia 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 ___ day of _____, 2011.

Chairman, Transportation Advisory Committee

Subscribed and sworn to me this _____ day of _____, 2011.

(Notary seal)

My commission expires

Notary Public

101 City Hall Plaza
Durham, NC 27701

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

APPROVAL DATE, 2011

A motion was made by _____ and seconded by _____
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 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 _____ day of _____, 2011

Chairman, Transportation Advisory Committee

Subscribed and sworn to me this _____ day of _____, 2011.

Notary Public

(Notary seal)

101 City Hall Plaza
Durham, NC 27701

My commission expires

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 2035 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 _____ day of _____, 2011.

Chair, Transportation Advisory Committee

Clerk/Secretary/Planner

draft

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

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 _____

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 _____

draft

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 N.C. Department of Transportation Statewide Planning Division on DCHC MPO activities. Federal Highway Administration (FHWA) Section 104(f) funds, FHWA Section 133(b)(3)(7) funds, FTA Section 5303 (formerly Section 8) funds, FTA Section 5307 (formerly Section 9) funds, and 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.

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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 SUMMARY Funding Sources (FY 2011-2012)

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 5303	\$219,582	\$27,449	\$27,449	\$274,480
FTA 5307	\$1,685,724	\$210,716	\$210,716	\$2,107,156

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

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

MPO Funding Table - Distribution by Agency

Receiving Agency	SPR Highway		STP-DA Sec. 133(b)(3)(7)		Section 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Funding Summary			
	NCDOT	FHWA	Local	FHWA	Local	FHWA	Local	NCDOT	FTA	Local	NCDOT	FTA	Local	NCDOT	Federal	Total
	20%	80%	20%	80%	20%	80%	10%	10%	80%	10%	10%	80%				
Durham/DATA	\$0	\$0	\$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	\$0	\$0	\$6,634	\$26,538	\$0	\$0	\$0	\$0	\$0	\$0	\$6,634	\$0	\$26,538	\$33,172
Chapel Hill/CHT	\$0	\$0	\$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	\$0	\$0
TJCOG	\$0	\$0	\$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	\$0	\$0	\$106,375	\$106,375	\$851,000	\$106,375	\$106,375	\$851,000	\$1,063,750
NCDOT	\$16,000	\$64,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,000	\$64,000	\$80,000
Totals	\$16,000	\$64,000	\$397,216	\$1,588,865	\$114,028	\$456,112	\$27,449	\$27,449	\$219,582	\$210,716	\$210,716	\$1,685,724	\$749,408	\$254,164	\$4,014,285	\$5,017,856

draft

MPO Wide - Detail Funding Tables - All Funding Sources

	Task Description	SPR Highway		STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary				
		NCDOT 20%	FHWA 80%	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	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	0	0	-	-	-	-	
	3 Street System Changes	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
	4 Traffic Accidents	0	0	650	2,600	58	232	0	0	0	0	0	0	708	-	2,832	3,540	
	5 Transit System Data	0	0	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	0	0	12,064	48,256	0	0	0	0	0	0	12,064	-	48,256	60,320	
	7 Air Travel	0	0	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	0	0	-	-	-	-	
	9 Travel Time Studies	0	0	0	0	7,128	28,512	0	0	0	0	0	0	7,128	-	28,512	35,640	
	10 Mapping	0	0	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	0	0	952	3,808	0	0	0	0	0	0	0	0	952	-	3,808	4,760	
	12 Bike & Ped. Facilities Inventory	0	0	1,000	4,000	652	2,608	0	0	0	0	0	0	1,652	-	6,608	8,260	
	13 Bike & Ped. Counts	0	0	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	0	0	-	-	-	-	
	2 Collection of Network Data	0	0	0	0	64	256	0	0	0	0	0	0	64	-	256	320	
	3 Travel Model Updates	1,700	6,800	63,356	253,424	0	0	300	300	2,400	11,250	11,250	90,000	74,906	13,250	352,624	440,780	
	4 Travel Surveys	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
	5 Forecast of Data to Horizon year	0	0	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	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	0	0	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	0	0	9,200	36,800	600	2,400	0	0	0	0	0	0	9,800	-	39,200	49,000	
	9 Highway Element of th LRTP	2,300	9,200	1,120	4,480	300	1,200	0	0	0	0	0	0	1,420	2,300	14,880	18,600	
	10 Transit Element of the LRTP	1,300	5,200	1,760	7,040	0	0	1,000	1,000	8,000	3,889	3,889	31,110	6,649	6,189	51,350	64,187	
	11 Bicycle & Ped. Element of the LRTP	1,300	5,200	12,800	51,200	1,400	5,600	0	0	0	0	0	0	14,200	1,300	62,000	77,500	
	12 Airport/Air Travel Element of LRTP	0	0	642	2,568	0	0	0	0	0	0	0	0	642	-	2,568	3,210	
	13 Collector Street Element of LRTP	200	800	1,000	4,000	0	0	0	0	0	0	0	0	1,000	200	4,800	6,000	
	14 Rail, Water or other mode of LRTP	1,000	4,000	0	0	0	0	0	0	0	0	0	0	-	1,000	4,000	5,000	
	15 Freight Movement/Mobility Planning	0	0	3,600	14,400	0	0	0	0	0	0	0	0	3,600	-	14,400	18,000	
	16 Financial Planning	0	0	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	200	800	102,130	408,520	1,256	5,024	500	500	4,000	2,145	2,145	17,160	106,031	2,845	435,504	544,380	
	18 Air Qual. Planning/Conformity Anal.	1,000	4,000	0	0	3,378	13,512	0	0	0	0	0	0	3,378	1,000	17,512	21,890	
II-C	Short Range Transit Planning																	
	Short Range Transit Planning	0	0	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	400	1,600	0	0	9,134	36,536	3,438	3,438	27,506	1,000	1,000	8,000	13,572	4,838	73,642	92,053	
III-B	Transp. Improvement Plan																	
	TIP	400	1,600	0	0	12,108	48,432	559	559	4,475	1,800	1,800	14,400	14,467	2,759	68,907	86,134	
III-C	Cvl Rgts. Cmp./Otr. Reg. Reqs.																	
	1 Title VI	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
	2 Environmental Justice	0	0	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	0	0	500	500	4,000	500	500	4,000	5,000	
	4 Planning for the Elderly & Disabled	0	0	0	0	64	256	0	0	0	0	0	0	64	-	256	320	
	5 Safety/Drug Control Planning	0	0	622	2,488	0	0	0	0	0	2,000	2,000	16,000	2,622	2,000	18,488	23,110	
	6 Public Involvement	0	0	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	0	0	-	-	-	-	
III-D	Incidental Png./Project Dev.																	
	1 Transportation Enhancement Png.	100	400	0	0	0	0	0	0	0	49,250	49,250	394,000	49,250	49,350	394,400	493,000	
	2 Enviro. Analysis & Pre-TIP Png.	400	1,600	1,089	4,356	96	384	0	0	0	0	0	0	1,185	400	6,340	7,925	
	3 Special Studies	1,000	4,000	76,300	305,200	10,954	43,816	0	0	0	0	0	0	87,254	1,000	353,016	441,270	
	4 Regional or Statewide Planning	700	2,800	13,885	55,540	351	1,403	2,000	2,000	16,000	1,825	1,825	14,600	18,061	4,525	90,343	112,929	
III-E	Management & Operations																	
	1 Management & Operations	4,000	16,000	57,027	228,109	22,471	89,884	3,550	3,550	28,397	53,738	53,738	429,902	136,786	61,287	792,291	990,364	
	Totals	\$16,000	\$64,000	\$397,216	\$1,588,865	\$114,028	\$456,111	\$27,448	\$27,448	\$219,585	\$210,716	\$210,716	\$1,685,724	\$749,408	\$254,164	\$4,014,285	\$5,017,856	

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	\$642	\$2,568	\$3,210	\$642	\$2,568	\$3,210
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	\$622	\$2,488	\$3,110	\$622	\$2,488	\$3,110
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	\$74,026	\$296,103	\$370,129	\$79,498	\$317,993	\$397,491
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

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	642	2,568	3,210	0	0	0	642	2,568	3,210
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	622	2,488	3,110	0	0	0	622	2,488	3,110
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	57,027	228,109	285,136	22,471	89,884	112,355	79,498	317,993	397,491
	Totals	397,216	1,588,865	1,986,081	114,028	456,111	570,139	511,244	2,044,976	2,556,220

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-2: Vehicle Miles of Travel

The MPO will continue to tabulate VMT by functional classification and County. As specified by the Long Range Transportation Plan (LRTP) Goals and Objectives and, Targets, annual VMT growth will be monitored and compared the LRTP Targets. This information will help determine if the Plan targets are being met. VMT will be monitored and compared to the LRTP Targets. This information will help determine if the LRTP targets are being met. In addition, VMT will be used in air quality planning. MPO climate change planning, Greenhouse Gas Plan update, congestion management program monitoring, model validation, Travel Demand Management (TDM) monitoring and performance evaluation, LRTP target measures of effectiveness, etc.

Task II-A-3: Street System Mileage Change

The MPO will update inventory of improvements to municipal street system. Update inventory of signalization on existing major streets to provide accurate inputs for the Triangle Regional Model (TRM). The MPO will monitor changes in street mileage systems from the previous year and summarize inventory by functional classification. The Town of Chapel Hill, the Town of Carrboro, and the City of Durham will obtain from the NCDOT Division 7 and 5 offices and compile in database, improvements to the state highway system, whether planned, underway, or completed. Each municipality will compile and maintain similar records for its municipal street system. The MPO municipalities participating in the Powell Bill Program will certify

street mileage maintained during this fiscal year. The product of this task will feed into the proposed MPO Data Integration/Automation and Management Systems – MPO GIS enterprise/warehouse. The objective is that, periodically or as changes or additions to the major street system occur, street inventory will be updated and current through proposed data automation and management system.

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 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-8: Vehicle Occupancy Rates

No activities proposed, therefore no funds programmed.

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.

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-1: Collection of Base Year Data

The MPO will collect and estimate new socio-economic and demographic data for the 2010 model base year and the 2040 LRTP. Proposed work activities will include inventory, collection and estimation of the following variables for existing conditions, tabulated by traffic analysis zone, is required: (1) population; (2) dwelling units; (3) households; (4) employment by type (number of jobs and establishments) including number of commercial vehicles at business locations; (5) school enrollment; (6) number of university dormitory beds; and (7) median income. It is expected that these variables will be linked to the proposed data automation projects and a GIS database and management system will be used to maintain the aforementioned socio-economic and land use information. An integral part of this task will be data verification, reconciliation, and quality and error checks.

Task II-B-2: Collection of Network Data

The MPO will collect transportation network data necessary to build the 2010 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 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-4: Travel Surveys

The MPO will provide its share of funding for the collection travel surveys proposed for the Triangle region. The central purpose of the survey is to collect information on origins and destinations, traveler behavior, transit ridership, commercial vehicle usage, work place commuting, freight movement, etc. which would provide accurate inputs for the travel model update. The MPO will be conducting following travel surveys for the TRM update: (1) travel time/speed survey (2) parking survey; and (3) commercial vehicle (freight) travel time/speed survey; (4).

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.

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-14: Rail, Water, or other mode of LRTP

No activities proposed, therefore no funds programmed.

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.

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.

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-1: Title VI

The federal legislation and regulations requires that the MPO comply with all the requirements imposed by Title VI of the Civil Rights Act of 1964 (78 Stat. 252), 49 U.S.C. 2000D TO 2000-D-4; the Regulations of DOT issued thereafter in the Code of Federal Regulations (commonly and herein referred to as CFR) Title 49, Subtitle A, Part 21), and the assurance by the MPO pursuant thereto. Accordingly, the MPO will continue to provide an update of Civil Rights statistics report to determine MPO compliance to civil rights provisions.

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. 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

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-5: Safety/Drug Control Planning

No funds programmed.

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-C-7: Private Sector Participation

No funds programmed.

Task III-D: Incidental Planning/Project DevelopmentTask III-D-1: Transportation Enhancement Planning

No funds programmed

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.

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.

draft

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
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

**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
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					

**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
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

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
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

**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
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

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	\$642	\$2,568	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$642	\$0	\$2,568	\$3,210	
	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	\$622	\$2,488	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$622	\$0	\$2,488	\$3,110	
	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	\$57,027	\$228,109	\$16,999	\$67,994	\$0	\$0	\$0	\$34,238	\$34,238	\$273,902	\$108,264	\$34,238	\$570,005	\$712,506	
	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 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

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;

3. Screenline 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:

None. 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.

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

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.

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.
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.

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-8: Vehicle Occupancy Rates

No activities proposed, therefore no funds programmed.

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 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

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
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 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

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,

- 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.

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

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:

- To collect data on current bicycle and pedestrian facility use; and,
- 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;
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.

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

No programmed funding.

Task II-B-2: Collection of Network Data

No programmed funding.

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;
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.

- 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.

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:

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

Previous Work:

- 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,
- Preliminary forecasts were finalized in early summer 2007

Proposed Activities:

- 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.

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
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.

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.

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	
\$ 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:

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:

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-guideway transit, highway capacity transit and demand responsive transit. Using travel behavior, ridership forecasts and other analysis, evaluation of transit element will look at unmet needs, new

services areas and potential markets. Performance measures will be established for evaluating transit alternatives. An extensive roster of transit routes, projects and services will be identified based on the current 2035 LRTP, transit feasibility studies, transit 5-year and master plans, travel demand forecast and capacity deficiency analysis. Different combinations of these services will produce a variety of transit alternatives that will be analyzed to find the alternative that best meets the 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:

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

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

Narrative to be added.

II-B-13 - Collector Street Element of the LRTP

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 4,000	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000

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 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):

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

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.

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.

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 - Freight Movement/Mobility Planning

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
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

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;
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 Carolina Metropolitan Coalition (League of Municipalities), and Regional Transportation Alliance; and,
3. 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

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
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.

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. Screenline 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,
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

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
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.

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

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
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.

Task III-A: Planning Work Program

This task will be to 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 2011-2012 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 2007-2008. 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 2009-10 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 2009-2010 UPWP, as needed; and,
5. Development of the FY 2011-2012 UPWP.

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

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
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.

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

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.

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

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
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:

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 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

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

Funding Commitments from Other Entities:

None.

Task III-C-5: Safety/Drug Control Planning

Narrative to be added.

III-C-5 - Safety/Drug Control Planning

FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 2,488	\$ 622	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,110

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;
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,

- Public meetings, workshops, and outreach programs to increase public participation, information dissemination, and education.

Products/Deliverables:

- Update and maintenance of website;
- Update and maintenance of mailing list database;
- Quarterly MPO newsletters, and project specific news letters; and,
- 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 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:

- To ensure that the goals, objectives and needs of the DCHC MPO are integrated in the environmental planning process of transportation projects; and,
- 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:

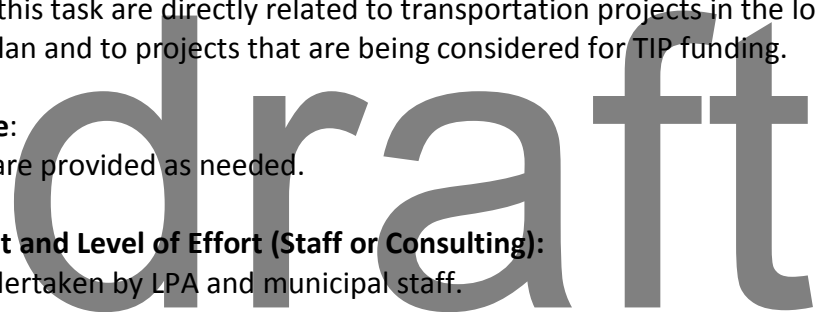
The activities of this task are directly related to transportation projects in the long-range transportation plan and to projects that are being considered for TIP funding.

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							
FHWA (STP-DA)		FHWA (PL)		FTA (5303/5307) Transit/Highway			Total All Funds
Federal	Local	Federal	Local	Federal	Local	State	
\$ 4,356	\$ 1,089	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,445

Funding Commitments from Other Entities: None.

Task III-D-3: Special Studies

Narrative to be added.

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

Narrative to be added.

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

Narrative to be added

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	
\$ 228,109	\$ 57,027	\$ 67,994	\$ 16,999	\$ -	\$ -	\$ -	\$ 370,129

draft

draft

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

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

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

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

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

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

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.

draft

Town of Carrboro

	Task Description	STP-DA		Sec. 104(f)		Section 5303			Section 5307			Task Funding Summary			
		133(b)(3)(7)		PL		Highway/Transit			Transit			Local	NCDOT	Federal	Total
		Local	FHWA	Local	FHWA	Local	NCDOT	FTA	Local	NCDOT	FTA				
		20%	80%	20%	80%	10%	10%	80%	10%	10%	80%				
II-A	Surveillance of Change														
1	Traffic Volume Counts	\$0	\$0	\$128	\$512	\$0	\$0	\$0	\$0	\$0	\$0	\$128	\$0	\$512	\$640
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	\$58	\$232	\$0	\$0	\$0	\$0	\$0	\$0	\$58	\$0	\$232	\$290
5	Transit System Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Dwelling Unit, Pop. & Emp. Change	\$0	\$0	\$64	\$256	\$0	\$0	\$0	\$0	\$0	\$0	\$64	\$0	\$256	\$320
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	\$128	\$512	\$0	\$0	\$0	\$0	\$0	\$0	\$128	\$0	\$512	\$640
10	Mapping	\$0	\$0	\$342	\$1,368	\$0	\$0	\$0	\$0	\$0	\$0	\$342	\$0	\$1,368	\$1,710
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	\$52	\$208	\$0	\$0	\$0	\$0	\$0	\$0	\$52	\$0	\$208	\$260
13	Bike & Ped. Counts	\$0	\$0	\$160	\$640	\$0	\$0	\$0	\$0	\$0	\$0	\$160	\$0	\$640	\$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
2	Collection of Network Data	\$0	\$0	\$64	\$256	\$0	\$0	\$0	\$0	\$0	\$0	\$64	\$0	\$256	\$320
3	Travel Model Updates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Travel Surveys	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Forecast of Data to Horizon year	\$0	\$0	\$100	\$400	\$0	\$0	\$0	\$0	\$0	\$0	\$100	\$0	\$400	\$500
6	Community Goals & Objectives	\$0	\$0	\$52	\$208	\$0	\$0	\$0	\$0	\$0	\$0	\$52	\$0	\$208	\$260
7	Forecast of Future Travel Patterns	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Capacity Deficiency Analysis	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Highway Element of th LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Transit Element of the LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	Bicycle & Ped. Element of the LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Airport/Air Travel Element of LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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 Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Financial Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Congestion Management Strategies	\$0	\$0	\$256	\$1,024	\$0	\$0	\$0	\$0	\$0	\$0	\$256	\$0	\$1,024	\$1,280
18	Air Qual. Planning/Conformity Anal.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
II-C	Short Range Transit Planning														
1	Short Range Transit Planning	\$0	\$0	\$224	\$896	\$0	\$0	\$0	\$0	\$0	\$0	\$224	\$0	\$896	\$1,120
											\$0	\$0	\$0	\$0	\$0
III-A	Planning Work Program														
	Planning Work Program	\$0	\$0	\$286	\$1,144	\$0	\$0	\$0	\$0	\$0	\$0	\$286	\$0	\$1,144	\$1,430
											\$0	\$0	\$0	\$0	\$0
III-B	Transp. Improvement Plan														
	TIP	\$0	\$0	\$488	\$1,952	\$0	\$0	\$0	\$0	\$0	\$0	\$488	\$0	\$1,952	\$2,440
											\$0	\$0	\$0	\$0	\$0
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	\$160	\$640	\$0	\$0	\$0	\$0	\$0	\$0	\$160	\$0	\$640	\$800
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	\$64	\$256	\$0	\$0	\$0	\$0	\$0	\$0	\$64	\$0	\$256	\$320
5	Safety/Drug Control Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Public Involvement	\$0	\$0	\$486	\$1,944	\$0	\$0	\$0	\$0	\$0	\$0	\$486	\$0	\$1,944	\$2,430
7	Private Sector Participation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-D	Incidental Png./Project Dev.														
1	Transportation Enhancement Png.	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Enviro. Analysis & Pre-TIP Png.	\$0	\$0	\$96	\$384	\$0	\$0	\$0	\$0	\$0	\$0	\$96	\$0	\$384	\$480
3	Special Studies	\$0	\$0	\$954	\$3,816	\$0	\$0	\$0	\$0	\$0	\$0	\$954	\$0	\$3,816	\$4,770
4	Regional or Statewide Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-E	Management & Operations														
1	Management & Operations	\$0	\$0	\$2,472	\$9,890	\$0	\$0	\$0	\$0	\$0	\$0	\$2,472	\$0	\$9,890	\$12,362
Totals		\$0	\$0	\$6,634	\$26,538	\$0	\$0	\$0	\$0	\$0	\$0	\$6,634	\$0	\$26,538	\$33,172

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.

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

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

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.

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.

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.

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.

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

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

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

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

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

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

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

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

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.

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)

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.

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

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.

draft

Triangle J COG

	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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2 Vehicle Miles of Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	5 Transit System Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	6 Dwelling Unit, Pop. & Emp. Change	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	7 Air Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	10 Mapping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	11 Central Area Parking Inventory	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	12 Bike & Ped. Facilities Inventory	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	13 Bike & Ped. Counts	\$0	\$0	\$0	\$0	\$0	\$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	\$0	\$0	\$0	\$0	\$0
	2 Collection of Network Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	3 Travel Model Updates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	4 Travel Surveys	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	5 Forecast of Data to Horizon year	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	6 Community Goals & Objectives	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	7 Forecast of Future Travel Patterns	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	8 Capacity Deficiency Analysis	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	9 Highway Element of th LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	10 Transit Element of the LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	11 Bicycle & Ped. Element of the LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	12 Airport/Air Travel Element of LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	13 Collector Street Element of LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	14 Rail, Water or other mode of LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	15 Freight Movement/Mobility Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	16 Financial Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	17 Congestion Management Strategies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	18 Air Qual. Planning/Conformity Anal	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
II C	Short Range Transit Planning															
	1 Short Range Transit Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-A	Planning Work Program															
	1 Planning Work Program	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-B	Transp. Improvement Plan															
	1 TIP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	3 Minority Business Enterprise	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	4 Planning for the Elderly & Disabled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	5 Safety/Drug Control Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	6 Public Involvement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	7 Private Sector Participation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	3 Special Studies	\$5,000	\$20,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000	\$0	\$20,000	\$25,000
	4 Regional or Statewide Planning	\$8,800	\$35,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$8,800	\$0	\$35,200	\$44,000
III E	Management & Operations															
	1 Management & Operations	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Totals		\$13,800	\$55,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$13,800	\$0	\$55,200	\$69,000

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.

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.

draft

NCDOT

	Task Description	SPR Highway		STP-DA 133(b)(3)(7)		Section 5303 Highway/Transit			Section 5307 Transit			Task Funding Summary			
		NCDOT 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local	NCDOT	Federal	Total
II A Surveillance of Change															
1	Traffic Volume Counts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2	Vehicle Miles of Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
3	Street System Changes	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Traffic Accidents	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Transit System Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Dwelling Unit, Pop. & Emp. Change	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Air Travel	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Vehicle Occupancy Rates	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Travel Time Studies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
10	Mapping	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
11	Central Area Parking Inventory	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
12	Bike & Ped. Facilities Inventory	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
13	Bike & Ped. Counts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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	\$1,700	\$6,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,700	\$6,800	\$8,500
4	Travel Surveys	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Forecast of Data to Horizon year	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Community Goals & Objectives	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Forecast of Future Travel Patterns	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
8	Capacity Deficiency Analysis	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
9	Highway Element of th LRTP	\$2,300	\$9,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,300	\$9,200	\$11,500
10	Transit Element of the LRTP	\$1,300	\$5,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,300	\$5,200	\$6,500
11	Bicycle & Ped. Element of the LRTP	\$1,300	\$5,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,300	\$5,200	\$6,500
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	\$200	\$800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$800	\$1,000
14	Rail, Water or other mode of LRTP	\$1,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$4,000	\$5,000
15	Freight Movement/Mobility Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
16	Financial Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Congestion Management Strategies	\$200	\$800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$800	\$1,000
18	Air Qual. Planning/Conformity Anal.	\$1,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$4,000	\$5,000
II C Short Range Transit Planning															
1	Short Range Transit Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-A Planning Work Program															
	Planning Work Program	\$400	\$1,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400	\$1,600	\$2,000
III-B Transp. Improvement Plan															
	TIP	\$400	\$1,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400	\$1,600	\$2,000
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0
4	Planning for the Elderly & Disabled	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
5	Safety/Drug Control Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Public Involvement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
7	Private Sector Participation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-D Incidental Plng./Project Dev.															
1	Transportation Enhancement Plng.	\$100	\$400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$100	\$400	\$500
2	Enviro. Analysis & Pre-TIP Plng.	\$400	\$1,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$400	\$1,600	\$2,000
3	Special Studies	\$1,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$4,000	\$5,000
4	Regional or Statewide Planning	\$700	\$2,800	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$700	\$2,800	\$3,500
III E Management & Operations															
1	Management & Operations	\$4,000	\$16,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000	\$16,000	\$20,000
Totals		\$16,000	\$64,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,000	\$64,000	\$80,000

Appendices B

Federal Transit Administration

(FTA)

Agency Project Narratives

&

Funding Tables

Durham Area Transit Authority

	Task Description	Section 5303			Section 5307			FTA - 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	\$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	\$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	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	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	\$1,076	\$1,076	\$8,610	\$1,076	\$1,076	\$8,610	\$10,762
	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	\$6,334	\$6,334	\$50,674	\$6,334	\$6,334	\$50,674	\$63,342
	17 Congestion Management Strategies	\$0	\$0	\$0	\$2,145	\$2,145	\$17,160	\$2,145	\$2,145	\$17,160	\$21,450
	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	\$9,625	\$9,625	\$77,000	\$9,625	\$9,625	\$77,000	\$96,250
III-A	Planning Work Program	\$3,238	\$3,238	\$25,906	\$0	\$0	\$0	\$3,238	\$3,238	\$25,906	\$32,383
III-B	Transp. Improvement Plan	\$259	\$259	\$2,075	\$0	\$0	\$0	\$259	\$259	\$2,075	\$2,594
III-C	Cvl Rgts. Cmp/Otr .Reg. Reqs.										
	1 Title VI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	2 Environmental Justice	\$0	\$0	\$0	\$664	\$664	\$5,310	\$664	\$664	\$5,310	\$6,637
	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	\$1,682	\$1,682	\$13,458	\$8,148	\$8,148	\$65,180	\$9,830	\$9,830	\$78,638	\$98,297
	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	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	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	\$34,238	\$34,238	\$273,902	\$34,238	\$34,238	\$273,902	\$342,377
	Totals	\$13,999	\$13,999	\$111,988	\$63,716	\$63,716	\$509,724	\$77,714	\$77,714	\$621,712	\$777,140

- 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)

draft

				<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	<u>\$0 Misc.</u>
			Total Funding:	<u><u>\$103,048</u></u>

- 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 FWP is intended to support various planning efforts of the LRTP

- 11. Agency Durham Area Transit Authority (DATA)

draft

				<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%	\$0	
17. Section 5303	NCDOT	10%	\$0	
18. Section 5303	FTA	80%	\$0	\$0 5303
19. Section 5307 (planning)	Local	10%	\$1,076	
20. Section 5307 (planning)	NCDOT	10%	\$1,076	
21. Section 5307 (planning)	FTA	80%	\$8,610	\$10,762 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total Funding:	\$10,762

- 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)

draft

				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%	\$6,334	
20. Section 5307 (planning)	NCDOT	10%	\$6,334	
21. Section 5307 (planning)	FTA	80%	\$50,674	\$63,342 5307
22. Additional Funds	Local	100%	\$0	\$0 Misc.
			Total Funding:	\$63,342

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

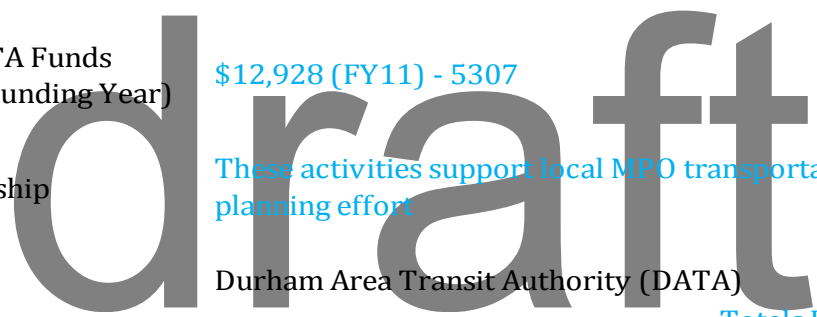
7. Expected Completion / Date of Products Jun-12

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>

- 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

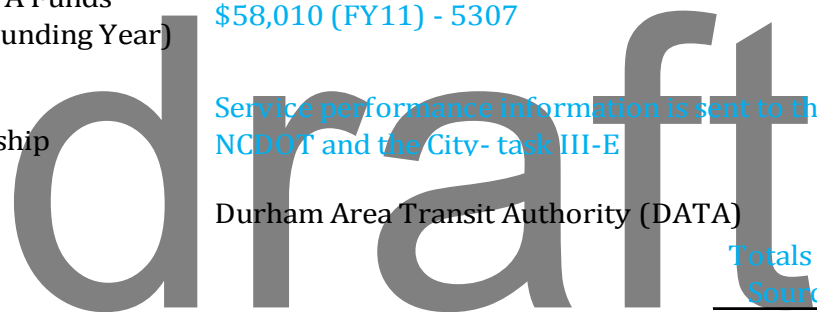
8. Previous Work As noted above

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



- 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

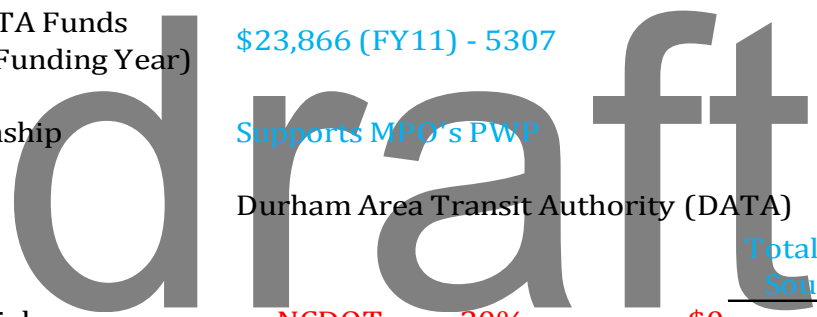
8. Previous Work Planning Work Program

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	\$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%	\$3,238	
17. Section 5303	NCDOT	10%	\$3,238	
18. Section 5303	FTA	80%	\$25,906	\$32,383 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 Funding:	\$32,383



- 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)

draft

				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%	\$259	
17. Section 5303	NCDOT	10%	\$259	
18. Section 5303	FTA	80%	\$2,075	\$2,594 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 Funding:	\$2,594

1. MPO	Durham-Chapel Hill-Carrboro (DCHC)		
2. FTA Code	442500		
3. Task Code	III-C-2		
4. Title	Environmental Justice		
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)		
	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%	\$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>

draft

- 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)

draft

				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%	\$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:	\$98,297

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 II-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>

draft

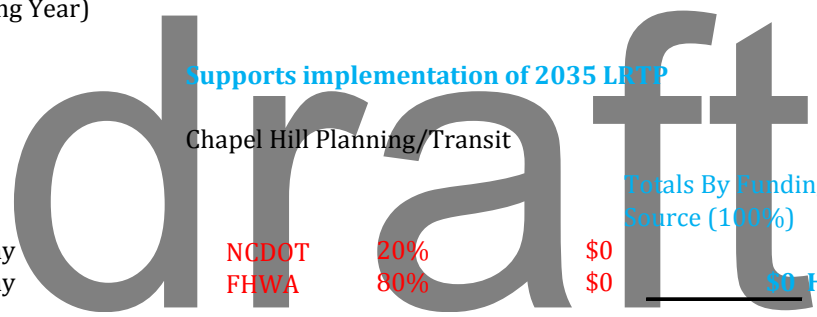
Chapel Hill Transit

	Task Description	Section 5303			Section 5307			FTA - 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	\$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	\$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	\$3,000	\$3,000	\$24,000	\$0	\$0	\$0	\$3,000	\$3,000	\$24,000	\$30,000
	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	\$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
	5 Forecast of Data to Horizon year	\$1,000	\$1,000	\$8,000	\$0	\$0	\$0	\$1,000	\$1,000	\$8,000	\$10,000
	6 Community Goals & Objectives	\$500	\$500	\$4,000	\$0	\$0	\$0	\$500	\$500	\$4,000	\$5,000
	7 Forecast of Future Travel Patterns	\$300	\$300	\$2,400	\$0	\$0	\$0	\$300	\$300	\$2,400	\$3,000
	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	\$1,000	\$1,000	\$8,000	\$0	\$0	\$0	\$1,000	\$1,000	\$8,000	\$10,000
	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	\$300	\$300	\$2,400	\$2,000	\$2,000	\$16,000	\$2,300	\$2,300	\$18,400	\$23,000
	17 Congestion Management Strategies	\$500	\$500	\$4,000	\$0	\$0	\$0	\$500	\$500	\$4,000	\$5,000
	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	\$5,000	\$5,000	\$40,000	\$5,000	\$5,000	\$40,000	\$50,000
III-A	Planning Work Program	\$200	\$200	\$1,600	\$1,000	\$1,000	\$8,000	\$1,200	\$1,200	\$9,600	\$12,000
III-B	Transp. Improvement Plan	\$300	\$300	\$2,400	\$1,800	\$1,800	\$14,400	\$2,100	\$2,100	\$16,800	\$21,000
III-C	Cvl Rgts. Cmp./Otr .Reg. Reqs.										
	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	\$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
	5 Safety/Drug Control Planning	\$0	\$0	\$0	\$2,000	\$2,000	\$16,000	\$2,000	\$2,000	\$16,000	\$20,000
	6 Public Involvement	\$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
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	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	4 Regional or Statewide Planning	\$2,000	\$2,000	\$16,000	\$1,825	\$1,825	\$14,600	\$3,825	\$3,825	\$30,600	\$38,250
III E	Management & Operations										
	1 Management & Operations	\$3,550	\$3,550	\$28,397	\$19,500	\$19,500	\$156,000	\$23,050	\$23,050	\$184,397	\$230,496
	Totals	\$13,450	\$13,450	\$107,597	\$40,625	\$40,625	\$325,000	\$54,075	\$54,075	\$432,597	\$540,746

- 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	



- 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>

- 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

draft

				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>

- 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)**

draft

				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%	\$4,000	
15. Section 104 (f) PL	FHWA	80%	\$16,000	<u>\$20,000 PL</u>
16. Section 5303	Local	10%	\$1,000	
17. Section 5303	NCDOT	10%	\$1,000	
18. Section 5303	FTA	80%	\$8,000	<u>\$10,000 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>30,000</u></u>

- 1. MPO Durham-Chapel Hill-Carrboro (DCHC)
- 2. FTA Code **442301**
- 3. Task Code **II B 6**
- 4. Title **Community Goals and Objectives**
- 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

draft

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>

- 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

draft

					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

- 1. MPO **Durham-Chapel Hill-Carrboro (DCHC)**
- 2. FTA Code **442301**
- 3. Task Code **II B 10**
- 4. Title **Transit Element of LRTP**

- 5. Task Objective **To prepare the transit element of the 2040 MPO LRTP**

- 6. Tangible Product Expected **2040 LRTP**

- 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 Transit (CHT)**

draft

				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

- 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**

- 6. Tangible Product Expected **2040 LRTP**

- 7. Expected Completion / Date of Products **Jun-12**

- 8. Previous Work

- 9. Prior FTA Funds (\$ amount/Funding Year)

- 10. Relationship **Supports implemenation of 2035 LRTP and 2040 LRTP**

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

draft

					<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%	\$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%	\$2,000		
20. Section 5307 (planning)	NCDOT	10%	\$2,000		
21. Section 5307 (planning)	FTA	80%	\$16,000		<u>\$20,000 5307</u>
22. Additional Funds	Local	100%	\$0		<u>\$0 Misc.</u>
Total Funding Request:					<u><u>\$ 28,000</u></u>

- 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 LRTP**

6. Tangible Product Expected **TDM and TSM elements of the 2040 LRTP**

7. Expected Completion / Date of Products **Jun-12**

8. Previous Work

9. Prior FTA Funds (\$ amount/Funding Year)

10. Relationship **Supports development of 2040 LRTP**

11. Agency Chapel Hill Planning/Transit

draft

				<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>

- 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)**

draft

					<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%	\$5,000		
20. Section 5307 (planning)	NCDOT	10%	\$5,000		
21. Section 5307 (planning)	FTA	80%	\$40,000		<u>\$50,000 5307</u>
22. Additional Funds	Local	100%	\$0		<u>\$0 Misc.</u>
Total Funding Request:					<u><u>\$50,000</u></u>

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>\$ 14,000</u>
			Total Funding Request: <u>\$ 14,000</u>

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 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
			<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:

- 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

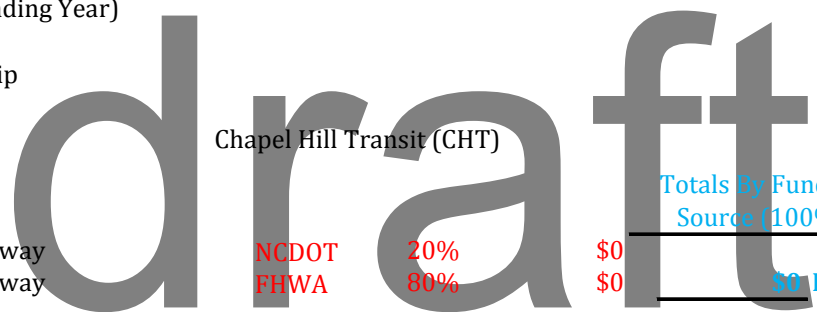
7. Expected Completion / Date of Products **Jun-12**

8. Previous Work

9. Prior FTA Funds (\$ amount/Funding Year)

10. Relationship

11. Agency Chapel Hill Transit (CHT)



				<i>Totals By Funding Source (100%)</i>
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

- 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)**

draft

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

- 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)

draft

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

- 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)

				<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%	\$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>

draft

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

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

- 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**

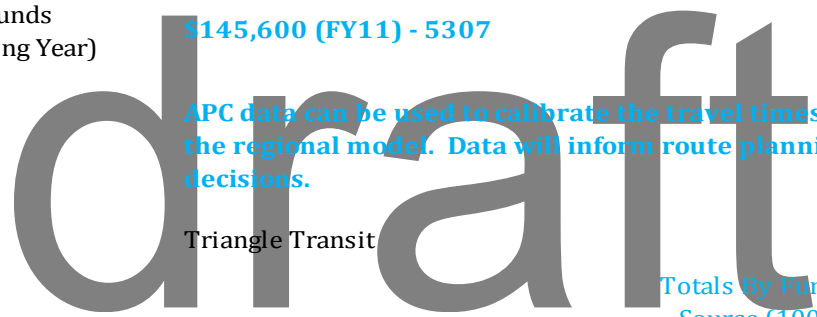
7. Expected Completion / Date of Products **6/30/2012**

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

- 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 ITPRE 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

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



- 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



- 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**

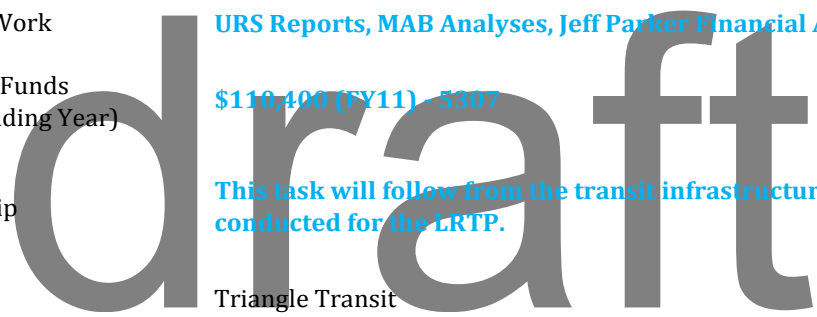
7. Expected Completion / Date of Products **6/30/2012**

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

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

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			\$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.

Attachment # 7 Anticipated DBE Contracting Opportunities for FY11

Name of MPO: Durham Chapel Hill Carrboro – Triangle Transit Authority

Person Completing Form: Patrick McDonough

Telephone Number: (919) 485-7485

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	\$138,000	\$138,000
II-A-5	Transit System Data	Triangle Transit	Consultant	Zero to \$182,000	Zero to \$182,000

Sample Entry:

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

**Durham-Chapel Hill-Carrboro Urban Area
 FY 2011-2012 Unified Planning Work Program
 Proposed Funding Source Tables**

TCC 2/23/2011 Attachment 6B

Triangle J Council of Governments

TASK DESCRIPTION	TRANSIT FUNDS					Total
	STP-DA	PL	Section 5303	Section 5307	Section 5309	
	100%	100%	100%	100%	100%	
II-A Surveillance of Change						
1 Traffic Volume Counts	\$0	\$0	\$0	\$0	\$0	\$0
2 Vehicle Miles of Travel	\$0	\$0	\$0	\$0	\$0	\$0
3 Street System Changes	\$0	\$0	\$0	\$0	\$0	\$0
4 Traffic Accidents	\$0	\$0	\$0	\$0	\$0	\$0
5 Transit System Data	\$0	\$0	\$0	\$0	\$0	\$0
6 Dwelling Unit, Pop. & Emp. Change	\$0	\$0	\$0	\$0	\$0	\$0
7 Air Travel	\$0	\$0	\$0	\$0	\$0	\$0
8 Vehicle Occupancy Rates	\$0	\$0	\$0	\$0	\$0	\$0
9 Travel Time Studies	\$0	\$0	\$0	\$0	\$0	\$0
10 Mapping	\$0	\$0	\$0	\$0	\$0	\$0
11 Central Area Parking Inventory	\$0	\$0	\$0	\$0	\$0	\$0
12 Bike & Ped. Facilities Inventory	\$0	\$0	\$0	\$0	\$0	\$0
13 Bike & Ped. Counts	\$0	\$0	\$0	\$0	\$0	\$0
II-B Long Range Transp. Plan						
1 Collection of Base Year Data	\$0	\$0	\$0	\$0	\$0	\$0
2 Collection of Network Data	\$0	\$0	\$0	\$0	\$0	\$0
3 Travel Model Updates	\$0	\$0	\$0	\$0	\$0	\$0
4 Travel Surveys	\$0	\$0	\$0	\$0	\$0	\$0
5 Forecast of Data to Horizon year	\$0	\$0	\$0	\$0	\$0	\$0
6 Community Goals & Objectives	\$0	\$0	\$0	\$0	\$0	\$0
7 Forecast of Future Travel Patterns	\$0	\$0	\$0	\$0	\$0	\$0
8 Capacity Deficiency Analysis	\$0	\$0	\$0	\$0	\$0	\$0
9 Highway Element of th LRTP	\$0	\$0	\$0	\$0	\$0	\$0
10 Transit Element of the LRTP	\$0	\$0	\$0	\$0	\$0	\$0
11 Bicycle & Ped. Element of the LRTP	\$0	\$0	\$0	\$0	\$0	\$0
12 Airport/Air Travel Element of LRTP	\$0	\$0	\$0	\$0	\$0	\$0
13 Collector Street Element of LRTP	\$0	\$0	\$0	\$0	\$0	\$0
14 Rail, Water or other mode of LRTP	\$0	\$0	\$0	\$0	\$0	\$0
15 Freight Movement/Mobility Planning	\$0	\$0	\$0	\$0	\$0	\$0
16 Financial Planning	\$0	\$0	\$0	\$0	\$0	\$0
17 Congestion Management Strategies	\$0	\$0	\$0	\$0	\$0	\$0
18 Air Qual. Planning/Conformity Anal.	\$0	\$0	\$0	\$0	\$0	\$0
II-C Short Range Transit Planning						
1 Short Range Transit Planning	\$0	\$0	\$0	\$0	\$0	\$0
III-A Planning Work Program						
1 Planning Work Program	\$0	\$0	\$0	\$0	\$0	\$0
III-B Transp. Improvement Plan						
1 TIP	\$0	\$0	\$0	\$0	\$0	\$0
III-C Civil Right Compliance /Other Regulation Requirements						
1 Title VI	\$0	\$0	\$0	\$0	\$0	\$0
2 Environmental Justice	\$0	\$0	\$0	\$0	\$0	\$0
3 Minority Business Enterprise	\$0	\$0	\$0	\$0	\$0	\$0
4 Planning for the Elderly & Disabled	\$0	\$0	\$0	\$0	\$0	\$0
5 Safety/Drug Control Planning	\$0	\$0	\$0	\$0	\$0	\$0
6 Public Involvement	\$0	\$0	\$0	\$0	\$0	\$0
7 Private Sector Participation	\$0	\$0	\$0	\$0	\$0	\$0
III-D Incidental Planning/Project Development						
1 Transportation Enhancement Plng.	\$0	\$0	\$0	\$0	\$0	\$0
2 Enviro. Analysis & Pre-TIP Plng.	\$0	\$0	\$0	\$0	\$0	\$0
3 Special Studies	\$25,000	\$0	\$0	\$0	\$0	\$25,000
4 Regional or Statewide Planning	\$44,000	\$0	\$0	\$0	\$0	\$44,000
III-E Management & Operations						
1 Management & Operations	\$0	\$0	\$0	\$0	\$0	\$0
TOTALS	\$69,000	\$0	\$0	\$0	\$0	\$69,000

CONTROL TOTALS (FY2012 Approved Figures)

\$34,494 \$0 \$0 \$0 \$0 \$34,494

Federal Portion (80%) \$27,605

Local Portion (20%) \$6,901

Additional Funds Requested \$34,506

DCHC - MPO
 FY 2011-12 UPWP
 FUNDING TABLES

-----draft-----

DCHC MPO STPDA Funding Table for FY 2010 through 2015 - Approved August 11, 2010 - with proposed change to be presented to the TAC in March 2011 and proposed change for FY12 UPWP

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 Greenway)	\$ 737,500	\$ 590,000			Construction	\$590,000								
Carrboro	EL-4828		Morgan Creek Greenway - Carrboro	\$ 600,000	\$ 480,000	Planning	\$84,000	Construction	\$396,000								
Carrboro	U-4726		Bolin Creek Greenway (Jones Creek)	\$ 268,375	\$ 214,700			Construction	\$214,700								
Carrboro	U-4726		Rogers Road - Sidewalk (Homestead to Meadow Run)	\$ 536,200	\$ 428,960	Planning	\$ 65,000	Construction	\$363,960								
Carrboro	U-4726		S. Greensboro St. - Sidewalk	\$ 58,300	\$ 46,640					Construction	\$46,640						
Carrboro	U-4726		Bicycle Loop Detectors	\$ 37,500	\$ 30,000			Construction	\$30,000								
Carrboro	U-4726		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/Plan	\$ 388,000	UPWP/Plan	\$ 373,000	UPWP/Plan	\$ 325,000						
Chapel Hill	U-4727		Intersection & Traffic Study @ RAMS Plaza	\$ 100,000	\$ 80,000	UPWP/Plan	\$ 32,000	UPWP/Plan	\$ 48,000								
Chapel Hill	U-4726	P	CH - Culbreth Rd: Cobble Ridge to Rosburn 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	F	CH - Chapel Hill Sidewalks	\$ 400,000	\$ 320,000			Construction	\$ 320,000								
Chapel Hill	U-4726		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/Plan	\$ 24,000								
Chapel Hill	U-4726		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 Pearisontown Elem.) Sidewalk	\$ 19,600	\$ 15,680	Construction	\$15,680										
Durham	U-4726	HM	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	\$ 317,400	Construction	\$930,600								
Durham	U-4724		Cornwallis Road - Bike/Ped Facilities (S. Roxboro to University or C.H.)	\$ 2,144,000	\$ 1,715,200	Planning	\$ 340,500	Construction	\$1,374,700								
Durham	U-3804		Hillandale (I-85 to Carver) - Sidewalks	\$ 81,144	\$ 64,915	Construction	\$64,915										
Durham	U-4726	O	DUR - Carpenter Fletcher RD;Woodcroft- Alston bike impr.	\$ 142,740	\$ 114,192	Planning	\$ 17,129			Construction	\$97,063						
Durham	U-4726	O	Carpenter Fletcher - Bike/Ped Facilities (Woodcroft to Alston)	\$ 1,282,976	\$ 1,026,381	Planning	\$ 153,957			Construction	\$872,424						
Durham	U-4726		Avondale - Sidewalk (I-85 to Geer)	\$ 515,000	\$ 412,000					Construction	\$412,000						
Durham	U-4726		Cheek - Bike/Ped Facilities (Geer to Hardee)	\$ 695,000	\$ 556,000			Planning	\$83,400			Construction	\$ 472,600				
Durham	U-4726	K	DUR - Hillandale:Club to I-85 5' sidewalk on both sides	\$ 165,484	\$ 132,387			Planning	\$19,858			Construction	\$ 112,529				
Durham	U-4726		Hillandale - Bike/Ped Facilities (I-85 to Fulton)	\$ 1,150,000	\$ 920,000			Planning	\$138,000			Construction	\$ 782,000				
Durham	U-4726	G	DUR - 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		Fayetteville Road (Cornwallis to Nelson) bicycle lanes and sidewalks	\$ 251,000	\$ 200,800			Construction	\$200,800								
LPA	U-4727		UPWP - staff and routine	\$ 5,176,492	\$ 4,141,193	UPWP/Plan	\$ 432,794	UPWP/Plan	\$ 662,709	UPWP/Plan	\$ 883,959	UPWP/Plan	\$ 699,526	UPWP/Plan	\$ 720,370	UPWP/Plan	\$ 741,836
LPA	U-4727		UPWP - ITS Deployment Plan Update	\$ 70,000	\$ 56,000	UPWP/Plan	\$ 56,000										
LPA	U-4727		UPWP - Bike/Ped (non-motorized trip)Model Development	\$ 175,000	\$ 140,000	UPWP/Plan	\$ 113,500	UPWP/Plan	\$ 26,500								
LPA	U-4727		UPWP - GIS Integration and Automation	\$ 200,000	\$ 160,000	UPWP/Plan	\$ 160,000										
LPA	U-4727		UPWP - Land Use Model Development	\$ 250,000	\$ 200,000	UPWP/Plan	\$ 200,000										
LPA	U-4727		UPWP - MPO Collector Street Plan	\$ 50,000	\$ 40,000	UPWP/Plan	\$ 40,000										
LPA	U-4727		UPWP - NC 54 Subarea Study	\$ 250,000	\$ 200,000	UPWP/Plan	\$ 150,000	UPWP/Plan	\$ 50,000								
LPA	U-4727		UPWP - Commercial Vehicle Study	\$ 125,000	\$ 100,000	UPWP/Plan	\$ 55,100	UPWP/Plan	\$ 44,900								
LPA	U-4727		UPWP - GIS Integration Phase II	\$ 375,000	\$ 300,000					UPWP/Plan	\$ 150,000	UPWP/Plan	\$ 150,000				
LPA	U-4727		UPWP - Parking Study	\$ 125,000	\$ 100,000					UPWP/Plan	\$ 100,000						
LPA	U-4727		UPWP - Transit Studies	\$ 546,454	\$ 437,163					UPWP/Plan	\$ 137,163	UPWP/Plan	\$ 300,000				
NCDOT	EB-4707		Old Durham-Chapel Hill Road - Chapel Hill, Durham	\$ 4,639,000	\$ 3,711,200	ROW	\$511,200	Construction	\$3,200,000								
Triangle Transit	TT-4911		Technology: Automatic Passenger Counters	\$ 49,245	\$ 39,396			Capital	\$39,396								
				\$ 31,312,237	\$ 25,049,789		\$ 5,233,699	\$11,268,296		\$3,626,249	\$ 3,333,655		\$ 846,055		\$ 741,836		

Proposed change - March 2011
 UPWP changes to be approved as part of FY12 UPWP

2011 Call for Projects – Schedule Approved

- 12/08/10 TAC approve application package and request LPA staff begins project solicitations.
- 12/10/10 –
2/28/11 Begin Advertising & Solicitation for applications
- 1/19/11 Application Workshop
Time: 10am – noon
Location: Transportation Conference Room, 4th Floor
Durham City Hall
101 City Hall Plaza
Come to hear a brief presentation on the JARC/NF application process, discuss your application with staff, and get your questions answered.
- **2/28/11 Application deadline**
- 3/1/11 –
3/31/11 Review Committee reviews and scores proposals
- 3/31/11 –
4/15/11 Review Committee selects CPT-HSTP projects for recommendation to the TCC
- 4/27/2011 TCC action on Review Committee recommendations
- 5/11/2011 TAC action on TCC recommendations & STIP Amendment to add new projects
- 5/31/2011 The deadline for the grant recipients to receive funding notification.
- 6/30/2011 FTA Application Deadline for obligation 2011 program of projects.
- 09/30/2011 Any un-programmed FFY 2009 funds will lapse if not obligated

Triangle Pedestrian and Bicyclist Public Safety Campaign

DCHC TCC Presentation
Wednesday, February 23, 2011



Steven Waters, Chair
City of Raleigh
Bicycle & Pedestrian Advisory Commission
RaleighBPAC.org

Pedestrian & Bicyclist Safety in NC

- In 2009, U.S. had 59k reported ped injuries; 51k bike
- Raleigh/Cary MSA is #6 Most Dangerous
- NC is an FHWA Focus State for Pedestrian Safety

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Walk here at your peril



StreetSmart Model

- Education– Existing traffic laws & increased enforcement
- Developed by Metro Washington COG over ten years
- Sample transit advertising:



Coordinated Campaign

- Radio, TV, transit and internet ads prior to BTWW

	March			April			Impressions	Reach	Frequency	Budget	
	1	8	15	22	29	5					
Radio			400 rating points				8,923,000	69.2%	5.7x	\$54,454	<p>% Budget 15% Radio, 20% TV, 31% Out of Home, 34% Internet</p>
Television			200 rating points				13,425,000	86%	4.5x	\$62,572	
Broadcast TV			150 rating points							\$26,245	
Comcast Cable Interconnect										\$88,817	
Out of Home											
Clear Channel Transit Shelters			25 Shelters				6,001,600	82.9%	12x	\$27,900	
CBS Bus backs			85 Buses				18,039,000	84%	15x		
CBS Bus Sides			85 Buses								
CBS Metro Interior Cards			100 Cards							\$53,237	
CBS Metro Bus Interior Cards			450 Cards							NC	
Internet							5,550,000	NA	NA	\$81,137	
Facebook			150,000 Impressions							\$1,018	
WashingtonPost.com Traffic/Lifestyle			300,000 Impressions							\$3,801	
WTOP.com Traffic Sponsorship			100,000 Impressions							\$5,324	
Undertone Network			5 Million Impressions							\$30,440	
										\$40,583	
Total							\$1,938,600			\$264,991	

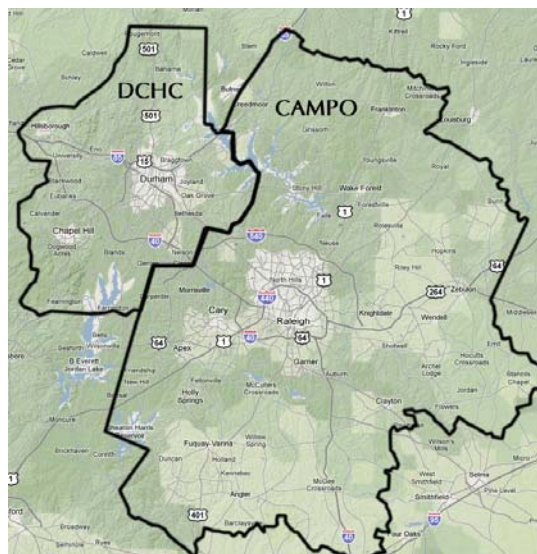
Targeted Law Enforcement

- Voluntary contribution by municipalities
- Coordinated with media campaign
- Gives the message salience



Regional Coordination

- Joint effort between DCHC & CAMPO
- The Triangle is one media market
- Economies of scale on volume



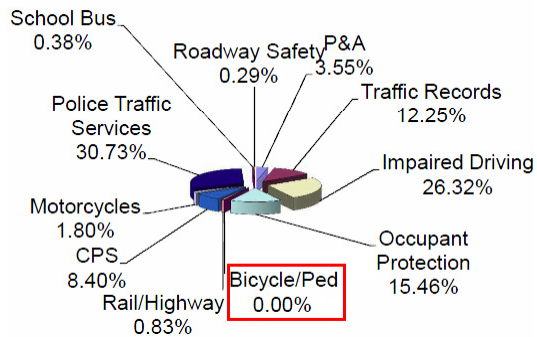
FHWA – 402 Highway Safety Funds

- Administered by GHSP in NC
- NC receives \$9 million
- 0.00% goes to ped/bike safety



402

P&A	\$293,870
Traffic Records	\$108,552
Impaired Driving	\$462,252
Occupant Protection	\$639,162
Bicycle/Pedestrians	\$0
Rail/Highway	\$69,145
CPS	\$216,755
Motorcycles	\$114,356
Police Traffic Services	\$2,094,724
School Bus	\$31,425
Roadway Safety	\$24,019



Local Match

- Approx \$25k (5¢/capita)
- CAMPO's Unified Planning Work Program
- Soft-match contributions
 - Press conferences
 - Concurrent enforcement
 - Serving on advisory committee
 - In-kind advertising
 - Transit agency free ads
 - "Earned media value" estimate of news coverage



Administration

- Triangle J COG



Request

- Referral to TAC



Triangle Pedestrian and Bicyclist Public Safety Campaign

Questions?



Steven Waters, Chair
City of Raleigh
Bicycle & Pedestrian Advisory Commission
RaleighBPAC.org



NCDOT – Prioritization 2.0

NCAMPO Meeting – Charlotte, NC

January 14, 2011



AGENDA

Feedback/Review of Prioritization 1.0 (P1.0)

Changes from P1.0 to P2.0

- Highway
- Non-Highway

Next Steps

What Do You Need To Do?





Feedback From Survey and Listening Sessions for Highways

No strong consensus to overhaul any one particular area

Support and opposition to benefit/cost, local contribution and economic impact analysis factors

- Concern about penalizing rural areas
- Also support for each factor, especially for large and more urban projects

Support to have Safety & Infrastructure Health projects ranked by data (but desire some input on Safety projects)

Conflicting feedback for data-driven approach for CMAQ and Enhancement projects





Feedback From Survey and Listening Sessions for Highways

Support to keep rank by segment vs. by TIP limits

Concern about definitions and calculations of each scoring criteria - participants indicated more info needed

Survey results provide conflicting picture from Listening Sessions feedback

171 people took survey; not all respondents answered every question

4 listening sessions: Raleigh, Kinston, Greensboro, Morganton; ~150 participants





P1.0 vs. P2.0 – Highway Projects

Infrastructure Health & Safety Projects – submitted but no longer ranked

New Category - “Modernization”

Revised Scoring/Weights

“Qualitative” or ranking term in P1.0 will be called “Local Input” in P2.0

- Will use control total

Projects will continue to be ranked by Segment vs by Entire TIP Project limits

- (same as in P1.0)

Benefit-Cost component added to Mobility project criteria in P2.0





P1.0 vs. P2.0 – Highway Projects

Continued....

Economic Impact/Competitiveness component added to Mobility project criteria in P2.0

You can transfer points to projects outside your area

Multimodal scoring tweaks....direct connection to freight intermodal terminal and military base

Project submittal limit....cap at 15 per area

CMAQ Projects....continue to submit in the template

Enhancement Projects....NCHRP study results late 2011

Projects to be reprioritized





HIGHWAY – Scoring P2.0

Total Score = Quantitative Data + Local Input + Multimodal Pts

Projects scored as either Mobility or Modernization

Quantitative Data varies for Mobility and Modernization projects

Local Input Ranking includes MPO/RPO Rank and Division rank

Multimodal Points based on multimodal characteristics included in project



HIGHWAY – Scoring P2.0

Total Score = Quantitative Data + Local Input + Multimodal Pts

Quantitative Data

- **Congestion** (Volume/Capacity Ratio + AADT)
- **Safety Score** (Critical Crash Rates, Crash Density, Severity)
- **Pavement Score** (Pavement Condition Rating)
- **Benefit/Cost** (Travel Time Savings / Project Cost)
- **Economic Competitiveness** (Economic Value Added in \$)
- **Lane Width** (Existing Width vs. Standard Width)
- **Shoulder Width** (Existing Width vs. Standard Width)

Mobility



Modernization



Local Input Ranking

- MPO/RPO Rank (use local methodology)
- Division Rank (use knowledge of area)



Scoring for Highway Mobility Projects

Tier	<u>QUANTITATIVE</u>	<u>LOCAL INPUT</u>	
	Data	Division Rank	MPO/RPO Rank
Statewide	Congestion = 20% Benefit/Cost = 20% Safety = 10% Pavement Condition = 10% <u>Economic Competiveness = 10%</u> Total = 70%	20%	10%
Regional	Congestion = 20% Benefit/Cost = 15% Safety = 5% Pavement Condition = 5% <u>Economic Competiveness = 5%</u> Total = 50%	25%	25%
Subregional	Congestion = 20% Safety = 5% <u>Pavement Condition = 5%</u> Total = 30%	30%	40%



HIGHWAY – Benefit/Cost

20% for Statewide Tier Mobility projects
15% for Regional Tier Mobility projects

Benefits

- Based on travel time savings the project is expected to provide
- Travel time savings = difference between 2009 v/c and 2009 v/c with project
- Travel time savings multiplied by number of daily users (AADT) for 30 years

Cost

- Based on latest DOT cost estimate if available
- Where no DOT cost estimate is available, use updated cost estimate spreadsheet
 - During QA/QC process (July – August) SPOT will verify with Divisions on reasonableness of estimate





HIGHWAY – Economic Competitiveness

10% for Statewide Tier Mobility projects
5% for Regional Tier Mobility projects

Uses TREDIS

- Primary input is change in VHT (calculated from travel time savings)
- Output is value added based on % change in Division
 - Includes jobs created, wages increased, increased productivity
- Includes forecasted data (from Moody's)
 - Background baseline growth





Modernization Projects

Modernization projects

- Upgrade roadway
- Widen roadway lane and/or shoulder width
- Add turn lanes and resurface
- Upgrade to design standards (including interstate standards)
- On-road bicycle improvements (larger projects, > \$1M)
- No new travel lanes/through capacity

In P1.0 projects were categorized as Infrastructure Health

In P2.0

- Separate category with separate scoring
- Will include both quantitative score and local input rank
- Quantitative score based on lane width, shoulder width, congestion, safety, and pavement condition rating





Scoring for Highway Modernization Projects

Tier	<u>QUANTITATIVE</u>	<u>LOCAL INPUT</u>	
	Data	Division Rank	MPO/RPO Rank
Statewide	Lane Width = 20% Shoulder Width = 20% Safety = 10% Congestion = 10% <u>Pavement Condition = 10%</u> Total = 70%	20%	10%
Regional	Lane Width = 15% Shoulder Width = 15% Safety = 10% Congestion = 5% <u>Pavement Condition = 5%</u> Total = 50%	25%	25%
Subregional	Lane Width = 10% Shoulder Width = 10% <u>Safety = 10%</u> Total = 30%	30%	40%



On-Road Bicycle Projects

Submitted/Evaluated as either a Bike & Ped project OR Modernization project

DOT will review all on-road projects and may shift projects between Bike & Ped and Modernization based on:

- Project scope (i.e., involves more than just adding bike lanes/striping, such as horizontal or vertical roadway realignment)
- Cost (projects above \$1,000,000 will be considered Modernization)
- Any shifts will occur prior to MPO/RPO/Division ranking window

SPOT will provide examples/guidance prior to project submittal





Local Input Ranking – Options (formerly Qualitative Ranking)

In P1.0 → MPOs/RPOs and Divisions ranked top 25 projects

- Top 25 totaled 1,300 pts (100 + 96 + 92 ... + 4)

In P1.0 → Divisions and MPOs/RPOs ranked same # of projects, even though Divisions encompass multiple POs

To increase flexibility with local input ranking, Control Total options proposed

Proposed options for Local Input Ranking:

1. Control Total based on Equal Points per Area
2. Control Total based on Equal Share & Population
3. Continue to use Top 25 ranking

Note: Ranking will be used for all Highway projects (Mobility & Modernization)





Local Input Ranking – Control Total w/Equal Points per Area

Each MPO/RPO & Division receives equal # of pts → 1,300

Can choose between Top 25 project ranking (for easy explanation to TCC/TAC reps) or Control Total (no limit on # of project rankings)

Top 25	OR	Control Total
#1 = 100		Can rank as projects as desired Max 100 pts per project Min 4 pts per project
#2 = 96		
#3 = 92		
...		
#25 = 4		

Note: Person entering local rank into DOT system will enter as points



Ranking Projects Outside Your Area

MPOs/RPOs & Divisions can transfer up to 100 points per project to another area if a project is a high priority

Regardless of scenario, project cannot score more than 100 pts

Must be agreement between giving and receiving organizations

- SPOT will make actual transfer in system

Example A	Example B
<ul style="list-style-type: none"> • Piedmont Triad RPO wishes to rank Project I-9000 in Greensboro MPO. • Greensboro MPO gives I-9000 30 pts. • Piedmont Triad RPO can transfer up to 70 pts if agreement w/ Greensboro MPO. 	<ul style="list-style-type: none"> • Kerr-Tar RPO wishes to rank new Project in CAMPO. • CAMPO does not give new Project any pts. • Kerr-Tar RPO can transfer up to 100 pts if agreement w/CAMPO.



Multimodal Scoring (Mobility & Modernization Projects)

Bonus Points if the **highway** project includes one or more of the following new or additional multimodal components (select all that apply).

Multimodal Options → 8 points:

HOV / HOT, light rail, bus rapid transit, or bus-on-shoulder w/in the highway ROW

Multimodal Connections → 5 points:

Direct connection to a transportation terminal (airport, seaport, rail depot, ferry terminal, transit terminal, freight intermodal terminal, or military base)

Multimodal Design Features → 3 points:

Sidewalks, pedestrian crossings, striped bicycle lanes, wide outside shoulders (greater than or equal to two feet), bus pullouts, transit bypass lanes, transit signal prioritization, bus shelters

Multimodal Projects must be ranked and must be included in an adopted Comprehensive Transportation Plan, Long Range Transportation Plan, or a mode-specific plan to receive pts.



HIGHWAY - TIP Segments vs. Entire Project

Survey = 59% (out of 61 respondents) say rank by Segments

Listening Sessions = More support for Segments, but not all agreed

Continue to rank projects by TIP Segment

- Allows for areas to show priority
- Combined with use of Control Points, allows for areas to rank segments equally if desired





Project Submittal

In P1.0

- No limit on new candidate projects (could rank up to 25)
- Over 300 new candidate projects (out of 1100 total highway projects)
- \$45B in highway needs vs. \$9B in revenue

In P2.0

- Limit new candidate Mobility and Modernization projects to 15 (total) per MPO/RPO and Division
- No limit on Infrastructure Health and Safety projects (projects will be submitted to respective NCDOT units)





CMAQ Projects

Still be submitted through Prioritization 2.0 Process

Will be option to identify as CMAQ Project

Local organization will still complete an application and attach it to SPOT template.

Department will score and rank CMAQ projects at Statewide and Regional level (DOT matched projects and projects which span more than one air quality area).





Enhancement Projects

No Change – no prioritization process

NCHRP is undertaking a research effort to determine if a prioritization process for enhancement program is feasible.

Will await results of NCHRP effort.

No call for enhancement projects is on the horizon.

Enhancement projects will not be accepted in P2.0





Highway Projects to be Prioritized in P2.0

Projects in current Draft Work Program in years 8, 9, and 10

Projects not funded/unprogrammed in P1.0

Limited number of projects that have slipped from years 1-7

New candidate Mobility and Modernization projects





Bicycle and Pedestrian Prioritization 2.0

Bicycle Improvements (on-road bike facilities and multi-use paths) & Pedestrian Improvements (separate category but similar criteria)

Right-of-Way Acquired – 10 points max. Self explanatory.

Connectivity – 10 points max. direct access to transit/school/CBD/high density residential or commercial area/park linked to a larger system of interconnected bicycle/multi-use facilities

Inclusion in an Adopted Plan – 10 points max. Recognition of a project in an adopted pedestrian plan illustrates that the project has been professionally evaluated and its value to the community established. Public involvement with plan development and local adoption also indicates community support.

Bicycle or Pedestrian Crashes – 1 point max. Crash data can be provided by the NCDOT Safety Planning Group. Projects that attempt to address a safety concern can receive additional points. 3 or more bicycle/vehicle crashes or pedestrian/vehicle crashes within last 5 yrs.

MPO/RPO Ranking – 25 points max. Rank Top 5 Projects. #1 = 25, #2 = 20, etc.





Bicycle and Pedestrian Prioritization 2.0

Additional Consideration Factors (especially for equal scoring projects):

Demand – Persons per square mile within 0.5 miles of a pedestrian facility and/or 1.5 miles of a bicycle facility. Employment density will also be utilized depending on data availability. Equal demand scores will be ranked by MPO/RPO size.

Division Input- Highway Division and DBPT will review projects for identification of any constructability issues or other concerns.

- * Also each MPO & RPO will be able to submit **additional projects** based on size and population
 - *Any additional projects will not received MPO/RPO points*





Rail Division Prioritization Process 2.0

Passenger/Freight Rail: \$6 Million/year

Based on service frequency and capacity analysis the projects that advance High Speed Rail (HSR) & connections to HSR are ranked 1-25 by Rail Division* Also, Rail Division may apply for CMAQ and TE funds if projects match funding windows. (Mobility Goal)

Highway Grade Crossing: \$6 Million/year

Based on the Investigative Index rail crossings are ranked 1-25 by Rail Division (Safety Goal).

Rail Industrial Access (\$1 Million/year) & Short Line Projects (\$2 Million/year)

Based on a prescribed funding formula and state funding, grants for rail industrial access and shortline railroads are awarded by the Division until the allocation is exhausted** (Infrastructure Health Goal).

* ranking subject to change based on federal grant criteria

**projects not included in STIP as they are analyzed when received in the Rail Division





Public Transportation Prioritization 2.0

Increase in Service Hours	Percent increase system-wide after project
Synchronized Connections	Points for new connections, i.e. new park and ride, transit hub, etc
Investment In Technology	Percent increase in dollars spent on info technology, i.e. vehicle tracking
Decrease in Average Age of Fleet and Facilities	Percent improvement in life of equipment





Weighting - Growing Public Transportation solutions

TIER	GOALS	State	Local
STATEWIDE	All	75%	25%
REGIONAL	Mobility	25%	75%
	Infrastructure Health	10%	90%
	Safety & Security	25%	75%
SUBREGIONAL	Mobility	10%	90%
	Infrastructure Health	10%	90%
	Safety & Security	25%	75%





Ferry Division Prioritization 2.0

Vessel
Name

Engines
&
Equipment
20%

Steel
20%

Plumbing
20%

Age
20%

Electrical
10%

Transport
Capacity
10%





M/V Hyde				
Measured Component	Rating	Value	Weighted Score	
Engine	3	20%	0.6	
Steel	1	20%	0.2	
Plumbing	1	20%	0.2	
Age	1	20%	0.2	
Electric	3	10%	0.3	
Transport Capacity	5	10%	0.5	
Weighted Score			1.8	





Bridge, Ramp, Gantry, & Dolphin Evaluation System



Bridge, Ramp
Gantry,
& Dolphins



Structure
50%

Mechanical
50%





Infrastructure Evaluation System

Structure
Name

General
Building
Condition
35%

Electrical
15%

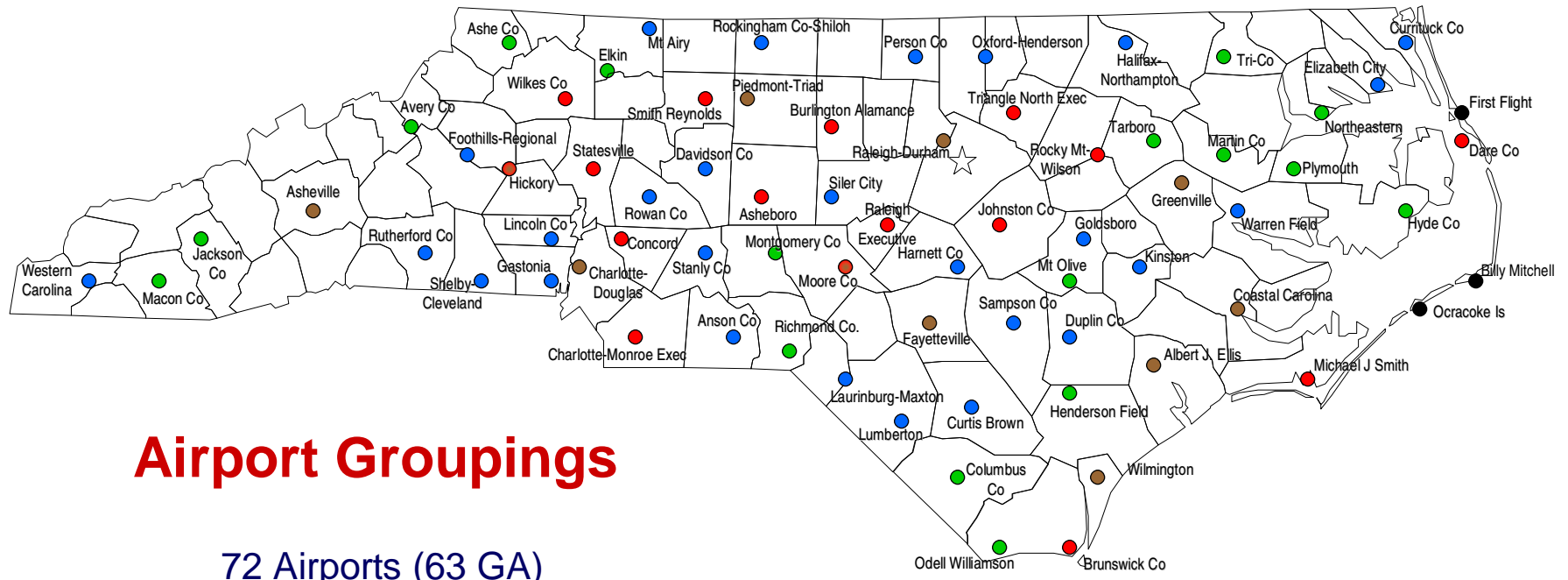
Plumbing
15%

HVAC
15%

Roof
10%

Foundation
10%





Airport Groupings

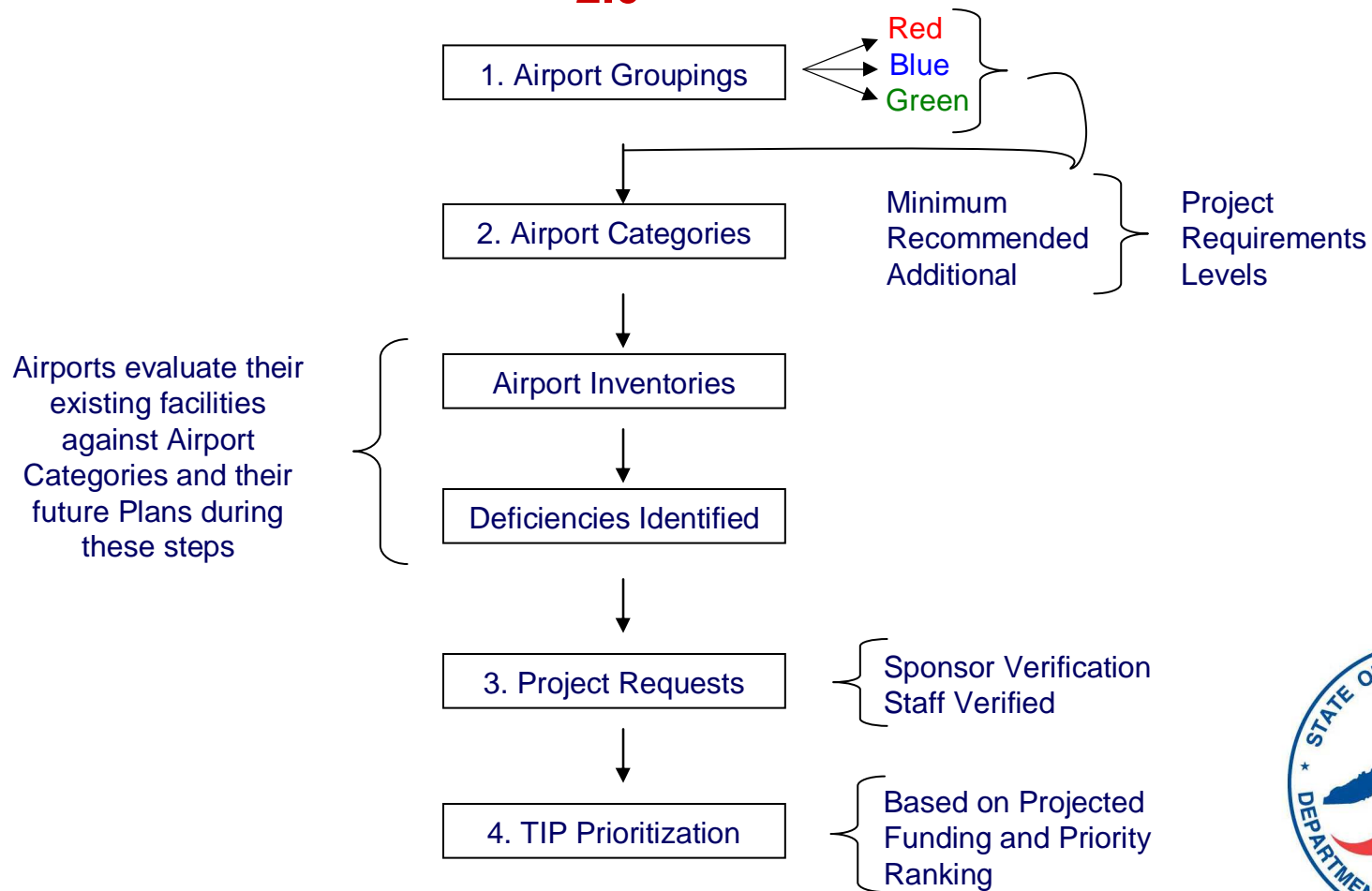
72 Airports (63 GA)

- RED – Regional/Business - 16
- BLUE – Community with Business Aircraft Capability - 27
- GREEN – Small Community - 17
- BROWN – Commercial Service - 9
- BLACK – National Parks Service - 3





Aviation Division Prioritization 2.0





Airport Categories

NCDOT Goals

- | | | | |
|-----------------------|--------|---|---|
| | SAFETY | } | <ul style="list-style-type: none"> Runway Approach Runway Safety Area (RSA) Runway Protection Zones Visual Navigational Aids Runway Edge Lighting Weather Reporting Capability Taxiway and Apron Edge Lighting Airfield Signage Ground Communication Approach Lighting Aircraft Rescue & Fire Fighting (ARFF) Equipment Perimeter Fencing |
| INFRASTRUCTURE HEALTH | | } | <ul style="list-style-type: none"> Pavement Condition Airfield Maintenance Equipment & Storage Building |
| MOBILITY | | } | <ul style="list-style-type: none"> Runway Length Pavement Strength Standard Instrument Approach Procedures (SIAP) Taxiway Requirements Aircraft Apron Requirements Terminal Building |





Step 4 - TIP Prioritization

Finally, in the TIP Prioritization step, the master list of all GA airport project requests statewide in the Aviation Project Request database are sorted in priority order. A shortlist of projects are selected based on available funding and project merits.





P2.0 Tentative Schedule

Now – June 2011: Develop Prioritization 2.0 System

March 2011: Launch Partner Connect

March - April: Outreach Meetings across State on Prioritization 2.0

June 2011: MPOs, RPOs, Divisions, & Internal BUs submit new projects (1 month)

July – August 2011: SPOT QAs/QCs all projects and calculates quantitative scores.

September – October 2011: MPOs, RPOs, & Divisions rank projects (2 months)

- Note: Final 10 YR Work Program (2011-2020) is expected to be adopted in August

Late Fall 2011: Project Rankings Released

Winter 2011/2012: Investment Strategy Summits

Winter 2012: Develop Draft 10YR Work Program

Spring 2012: Release Draft 10YR Work Program





What Do You Need To Do?

Review highway projects in your areas in years 8, 9, and 10 of Draft Work Program AND any unfunded projects

Consider up to 15 new candidate projects

Prepare for June 1st opening for new candidate project submittals

Start considering project priorities/rankings



MEMORANDUM

To: Transportation Advisory Committee (TAC)
DCHC MPO

From: DCHC MPO Lead Planning Agency

Date: January 12, 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: 6.37%
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: 12/30/2010
Last Estimate Thru: 10/31/2010	Scheduled Progress: 100%
Last Estimate Paid: 12/15/2010	Actual Progress: 92.29%

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: 2.69%
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: 8/15/2011
Last Estimate Thru: 10/31/2010	Scheduled Progress: 30.5%
Last Estimate Paid: 11/8/2010	Actual Progress: 36.49%

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: 1/7/2011 Scheduled Progress: 12% Last Estimate Paid: 2/1/2011 Actual Progress: 9.32%</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: 6.36% 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: 4/15/2011 Last Estimate Thru: 1/7/2011 Scheduled Progress: 100% Last Estimate Paid: 1/12/2011 Actual Progress: 82.41%</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: 0% 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: 4/15/2011 Last Estimate Thru: 1/22/2011 Scheduled Progress: 100% Last Estimate Paid: 1/26/2011 Actual Progress: 82.17%</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: 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>	

<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:</p>	
<p>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:</p>	
<p>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:</p>	
<p>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:</p>	

County	WBS #	Route	Location Description	Amount	Status
Orange	EL-4601	Morgan Creek Greenway	Construct Greenway	\$940,000	ARRA- Sullivan Eastern = 59.94% compl. ; ARRA funds added(\$47,488)- latest inv. for reimbursement approved 10/14/10; pedestrian bridge design under review
Orange	EL-5103	Carrboro	Construct bus shelters at 4 locations	\$48,296	ARRA- WC Construction =100% compl.; M.A. compl. 7/14/10-revised to 9/14/10; Final 10/27/10; Invoice reimb. pending add'l. documentation
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	R-5178A	NC 57	Widen for two foot paved shoulders and resurface from NC 86 to SR 1544 (Pearson Road)	\$1.0 million	ARRA-Riley Paving, Inc.; work began 6/2/10; 100% compl.; final est pending
Orange	R-5178B	NC 86 (S. Columbia St.) from SR 1010 (Franklin St.) to Cameron Ave.	Mill, resurface, and replace curb and gutter	\$200,000.00	ARRA-Eastern Services, LLC dba Raleigh Paving=100% compl.- final est. pending
Orange	U-3100B	SR 1107 (Old Fayetteville Rd.) from NC 54 to SR 1106 (Stroud Lane)	Safety Improvements (Bicycle, Pedestrian, and Transit Accommodations)	\$1.8 million	ARRA-Atwell Const. Co., Inc., Greenville, NC= 100% compl. - punchlist pending
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. 9/7/10= 8.8% complete

Orange	U-4704	Chapel Hill-Carrboro	Computerized Traffic Signal System	\$5.175 million	ARRA-Brooks Berry Haynie & Assoc., Inc.; Mableton, Ga. =20.8% compl.-conduit installation underway-aerial pending; cabinets to be installed March 2011
Orange	U-4726 DA	Carrboro	Construct sidewalk on Ashe St. from W. Main St. to Shelton St.	\$284,176.00	ARRA- Centurion Construction Co.=100% compl. ; M.A. compl. rev. to 9/2/10; Final 10/27/10; Final invoice to be revised
Orange	U-4726 DB	Carrboro	Construct sidewalk on Bim St. from SR 1005 (Jones Ferry Rd.) to Fidelity St.	Combined w/ U-4726 DA	ARRA-Centurion Construction Co; =100% compl.; M.A. compl. rev. to 9/2/10; Final 10/27/10; Final invoice to be revised
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 app. needs add'l. documentation
NCDOT PROJECTS CURRENTLY IN 12 MONTH LETTING LIST					
County	TIP #	Route	Location Description	TIP Est.	Est. Let Date
			NONE		

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	\$140,000.00	ALS of N.C., Inc. avail. 12/1/10 for compl. 6/1/11; additional funds approved 12/9/10
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; ARRA
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. =100% compl. pending final pavement markings
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 sent to Town for execution 3/9/10-resent 9/30/10; Const. FY '10-'11
Orange	43030	SR 1843 (Seawell School Rd.)	Safety improvements near railroad crossing #736157R (signing, tree removal, grading for visibility, paved shoulders, wedging, short overlay & snow-plowable pavement markers)	\$45,000	F.A. construction - est. compl. 5/30/11
Orange	43114	SR 1005 (Jones Ferry Road) at SR 1937 (Old Fayetteville Road)	Install a pedestrian countdown signal and crosswalk	\$20,000	Project to be installed by Traffic Services
Orange	7CR.10681.22 7CR.20681.22 7.106812 7.206812	US 15 from Morgan Creek Rd. to E. Franklin St. and 3 secondary roads	Widening, milling and resurfacing	\$2.258 million \$1.3 million	S.T. Wooten Corp.- Let 11/16/10 Avail. 4/4/11 Int. compl. Maps 1- 5 8/12/11 Map 7 8/19/11 Final 9/5/11
Orange	B-4216	SR 1002 (St. Mary's Road)	Replacement of Bridge # 66 over Stroud's Creek	\$800,000	Dane Const. Inc.= 100% compl. ; Ingle & Son Landscaping, Inc. slope plantings= 100% compl. -final by K.A.T. 1/5/11
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., Napolean, Ohio - =100% compl.; Final 11/2/10; observation period for markings underway

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	FSC II, LLC dba Fred Smith Co.(C.C. Mangum Co., LLC)=15.2% compl.; Work began 8/9/10 on WB; EB begins Spring 2011; work resumed 10/31/10- seasonal limitations in effect
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	Barrett, Irvin & Jordan, Contractors, Inc.(DG00048) Avail. 4/15/11 for compl. by 9/1/11
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	Final plans complete; utility relocation and right of way acquisition pending- staking underway ; est. Let date = 6/21/11
Orange	42423.3 42423.1 SS -4907 V	SR 1005 (Old Greensboro Rd.) @ SR 1951 (White Cross Rd.)	Realign intersection	\$165,000	Survey compl.& Design pending; est. Let =12/20/11; flasher has been installed by separate project
Orange	SR-5000 S 40922.1.18 PE	Carrboro Elementary School	Safe Routes to Schools- Education, encouragement, evaluation, and neighborhood outreach	\$12,865	Municipal Agreement with Town
Orange	SS-4907 AC 43040.1.1 PE 07-10-727	SR 1734 (Erwin Rd.) and SR 1791 (Mt. Moriah Rd.) near Chapel Hill	Installation of a left turn lane on Erwin Rd. and a traffic signal	\$10,000 PE \$1000 R/W \$239,000 C	Roundabout requested by MPO- est. cost = \$426,559
NCDOT PROJECTS CURRENTLY IN 12 MONTH LETTING LIST					
County	TIP #	Route	Location Description	TIP Est.	Est. Let Date

Durham/ Orange	EB-4707	DURHAM/ CHAPEL HILL (SR 1838/SR 2220) FROM SR 1116 (GARRETT ROAD) IN DURHAM COUNTY TO US 15-501 IN ORANGE COUNTY	Bicycle improvements(Bikeway and signals)	\$5.45 million	Delayed
Orange	U-0624	NC 86 (S. Columbia St.)	Corridor upgrade including Bicycle lanes from SR 1906 (Purefoy Rd.) to SR 1902 (Manning Dr.)	\$4.85 million	Nov. 15, 2011



****MEETING NOTICE****

Third Round of Workshops on Expanded Bus and Rail Options Begin March 22
Triangle Citizens Invited to Share Feedback Following Evaluation of Transit Corridors

- WHAT:** The last series of public workshops providing Triangle citizens with an opportunity to share input on the alternative analysis process as part of the Triangle Regional Transit Program (TRTP) will start on March 22. The TRTP includes proposed options for rail and expanded bus service in the region. The series of seven workshops in Wake, Durham and Orange counties will be held from 4 p.m. to 7 p.m. Note time change: The session scheduled for Monday, March 28, in Raleigh will be from 6 p.m.-9 p.m. The workshops are part of a federally prescribed alternatives analysis required by the Federal Transit Administration.
- WHO:** Triangle Transit and the region's two planning organizations and bus service providers are leading the Triangle Regional Transit Program.
- WHEN:**
- Raleigh- Tuesday, March 22
Triangle Town Center, First Floor (Next to Dillard's)
4 p.m.-7p.m.
 - Durham- Wednesday, March 23
Durham Station Transportation Center, 515 W. Pettigrew St.
4 p.m.-7 p.m.
 - Chapel Hill- Thursday, March 24
Friday Center, 100 Friday Center Dr. (Redbud Room)
4 p.m.-7 p.m.
 - Raleigh- Monday, March 28
Mt. Peace Baptist Church, 1601 MLK Jr. Blvd.
6 p.m.-9 p.m. (NOTE TIME CHANGE)
 - Cary- Tuesday, March 29
Bond Park Senior Center, 120 Maury O'Dell Pl. off High House Road
4 p.m.-7p.m.
 - Raleigh- Thursday, March 30
McKimmon Conference Center, NC State University, 1101 Gorman St.
4 p.m.-7 p.m.
 - Research Triangle Park- Wednesday, March 31
Research Triangle Park Foundation, 6 Davis Dr.
4 p.m.-7p.m.

-more-



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For more information, please visit www.ourtransitfuture.com, and interact with the Triangle Regional Transit Program on Facebook www.facebook.com/ourtransitfuture and Twitter <http://twitter.com/TheTRTP>.

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