

**DURHAM – CHAPEL HILL-CARRBORO
METROPOLITAN PLANNING ORGANIZATION
TRANSPORTATION ADVISORY COMMITTEE (TAC)****Member Governments**

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

**May 12, 2010
9:00 AM****Committee Room
2nd Floor Durham City Hall**

- 1. Roll Call**
- 2. Adjustments to the Agenda**
- 3. Public Comments**
- 4. Directives to Staff (Attachment 4)**

ACTION ITEMS**5. April 14, 2010 TAC Meeting Minutes
(Attachment 5)**

A copy of the April 14, 2010 TAC meeting minutes is enclosed as Attachment 5.

TAC Action: Approve minutes of the April 14, 2010 TAC meeting.

**6. NC 54 Corridor Study - Update
Leta Huntsinger, LPA Staff
Whit Blanton, Renaissance Planning Group**

The DCHC MPO has initiated the NC 54 Corridor Study to analyze the issues within the NC 54 corridor, evaluate mitigation measures, and identify transportation and land use strategies for accommodating current and future transportation needs. The third public workshop will be held on May 11, 2010, at 5pm at the Friday Center. Whit Blanton of Renaissance Planning Group will give a presentation on the status of the project. Current documents are posted on the study website <http://www.nc54-i40corridorstudy.com/>.

TAC Action: Receive update on the NC 54 Corridor Study.

**7. FY 2010-2011 Unified Planning Work Program
(Attachment 7 - electronic copies only)
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 recommends draft 2010-2011 UPWP	2/24/10
TAC releases draft 2010-2011 UPWP for public comment	3/10/10
TAC holds public hearing on draft 2010-2011 UPWP	4/14/10
TAC approves final 2010-2011 UPWP	5/12/10

TCC Recommendation: That the TAC approve the final FY 2010-2011 Unified Planning Work Program (Attachment 7).

TAC Action: Approve the final FY 2010-2011 Unified Planning Work Program (Attachment 7).

**8. Congestion Mitigation Air Quality
(Attachment 8)
Maricia Brown, LPA Staff**

CMAQ funding for two transit projects for FY 2010 needs to be flexed to the Federal Transit Administration. A resolution requesting the transfer of funds is included as Attachment 8.

TCC Recommendation: That the TAC approve the resolution requesting the transfer of FY 2010 CMAQ funding to the Federal Transit Administration.

TAC Action: Approve the resolution requesting the transfer of FY 2010 CMAQ funding to the Federal Transit Administration.

REPORTS:

**9. Report from the TAC Chair
Mike Woodard, TAC Chair**

TAC Action: Receive Report from TAC Chair

**10. Report from Staff
(Attachment 10)
Felix Nwoko, LPA Staff**

TAC Action: Receive Report from Staff

**11. Report from the TCC Chair
Mark Ahrendsen, TCC Chair**

TAC Action: Receive Report from TCC Chair

12. NCDOT Report

(Attachment 12)

Wally Bowman, Division 5 – NCDOT

Mike Mills, Division 7 – NCDOT

TAC Action: Receive report of NCDOT

INFORMATIONAL ITEMS

13. Recent News Articles and Updates

(Attachment 13)

14. Amtrak Mid-Day Service Schedule

(Attachment 14)

Adjourn

Next meeting: June 9, 2010

Dates of Upcoming Transportation-Related Meetings:

5/11/2010, 8:00am	NCRR Forum: Rail and the New Economy @ Raleigh Convention Center
5/11/2010, 5:00pm	NC 54 Corridor Study Public Workshop #3 @ Friday Center
5/20/2010, 8:00am	Triangle J COG 50 th Anniversary Forum @ Sheraton Imperial Hotel and Convention Center
5/28/2010, 8:30am	Regional Transit Leadership Group @ TTA
6/18/2010, 10:30am	Tri-MAP @ RDU Airport Authority

TAC Directives to Staff

06/11/03 – 12/31/08 (Pending/In Progress/On Going)

01/01/09 – Present (Completed/Pending/In Progress)

Meeting Date	Directive	Status
4/12/06	Investigate use of peer review for Triangle Regional Model (TRM)	<u>In Progress:</u> TRM committee has taken up this project
4/12/06	Address cost splits for TRM tasks	<u>In Progress:</u> TRM Executive Committee has taken up this project.
8/09/06	Follow up with the BPAC and DATA Boards regarding public involvement for MPO activities.	<u>In Progress:</u>
2/14/07	Develop a long-term and short-term strategy for addressing funding needs working with other MPOs and the Metropolitan Coalition	<u>In Progress:</u> See 10/31/07 Joint TAC Agenda.
3/12/08	Provide an update on the state's human services transportation plan	<u>In Progress:</u>
12/10/08	Develop a recommendation for the bridge replacement on State Forest Rd.	<u>In Progress:</u> NCDOT is currently reviewing the issue including meeting with stakeholders.
1/14/09	Re-order projects and respond to the issues raised by the TAC on the draft FY 2011-2017 TIP Regional Priority List.	<u>Completed:</u> See Attachment 7 of 2/11/09 TAC Agenda.
1/14/09	Investigate the relationship between projected transit ridership and revenue	<u>Completed:</u> See Attachment 6 of 2/11/09 TAC Agenda.
2/11/09	Send a letter to the MPO's congressional delegation regarding the urbanized area's 5307 apportionment	<u>Completed:</u> See Attachment 19 of 3/11/09 TAC Agenda.
4/08/09	Send a letter to the MPO's congressional delegation and member jurisdictions regarding S1001/H881	<u>Completed:</u> See Attachment 16 of 5/13/09 TAC Agenda.
5/13/09	Send a letter to Brier Creek shopping center management requesting bus shelters.	<u>In Progress:</u> LPA, CAT, and DATA staff are discussing transit access and passenger amenities.
5/13/09	Send a letter to the Town of Cary and Chatham County regarding trailhead parking areas for the American Tobacco Trail	<u>Completed:</u> See Attachment 15 of 8/12/09 TAC Agenda.
10/14/09	Present to the Durham City Council on the status of the Durham Walks Plan	<u>Completed:</u> Occurred 2/4/2010
10/14/09	Work with NCDOT and Durham City/County Planning to ensure that developers in the Hopson Road project area make contributions to the road improvements	<u>In Progress:</u> See Attachment 8 of 4/14/2010 TAC Agenda.

10/14/09	Present to the Orange County BOCC on MAB expansion	<u>Completed:</u> 11/17/2009
11/11/09	Meet with the Secretary of Transportation to discuss the East End Connector and the urban loop prioritization process	<u>Completed:</u> Meeting occurred 1/8/2010
11/11/09	Provide the TAC a summary of the Regional Transit Leadership Group meetings and status of the county transit plans.	<u>In Progress:</u> Will be provided by the TAC Chair on an ongoing basis
11/11/09	Provide additional information to the TAC on the Complete Streets policy and legislation.	<u>In Progress:</u>
1/13/10	Send letter to Chatham County BOCC regarding MAB expansion	<u>Completed:</u> See Attachment 19 of 2/10/10 TAC Agenda.
1/13/10	Send letter to NCDOT describing the ranking of multi-modal projects in the DCHC MPO's FY 2012-2018 TIP Regional Priority List	<u>Completed:</u> See Attachment 28 of 3/10/10 TAC Agenda.
2/10/10	Provide a recommendation for how to proceed with programming funding for alternatives to U-3808, Elizabeth Brady Road.	<u>In Progress:</u> See 3/10/10 TAC Agenda.
3/10/10	Address the issues raised regarding the Farrington Road Corridor Study.	<u>In Progress</u>

TRANSPORTATION ADVISORY COMMITTEE

April 14, 2010

MINUTES OF MEETING

The Transportation Advisory Committee met on April 14, 2010, at 9:00 a.m. in the Council

Committee Room on the second floor of Durham City Hall. The following attended:

**William "Bill" V. Bell	City of Durham
*Diane Catotti	City of Durham
*Ed Harrison	Town of Chapel Hill
**Mark Kleinschmidt	Town of Chapel Hill
**Sally Kost	Chatham County
**Lydia Lavelle	Town of Carrboro (TAC Vice-Chair)
**Michael Page	Durham County
*Ellen Reckhow	Durham County
**Mike Woodard	City of Durham (TAC Chair)
Mark Ahrendsen	City of Durham/Transportation
Ellen Beckmann	City of Durham/Transportation
David Bonk	Town of Chapel Hill
Maricia Brown	City of Durham/Transportation
Jeff Brubaker	Town of Carrboro
KoSok Chae	City of Durham/Transportation
Bonnie Estes	City/County Planning
Melissa Guilbeau	Chatham County
Andy Henry	City of Durham/Transportation
John Hodges-Copple	Triangle J COG
Joey Hopkins	NCDOT – Division 5
Tom King	Town of Hillsborough
Patrick McDonough	Triangle Transit
Dale McKeel	City of Durham/Transportation
Ryan Mickles	Town of Chapel Hill
Felix Nwoko	City of Durham/Transportation
Patrick Wilson	NCDOT – Division 7

- **Voting Member
- *Alternate or Non-Voting Member

Mike Woodard, TAC Chair, called the meeting to order at 9:04 a.m. and the Roll Call was conducted.

PRELIMINARIES:

Adjustments to the Agenda

Mark Ahrendsen stated there were two documents distributed at the beginning of the meeting which will be discussed during the meeting.

Public Comments

There were no public comments.

Directives to Staff (Attachment 4)

The Directives to Staff is attached for review.

ACTION ITEMS

March 10, 2010 TAC Meeting Minutes (Attachment 5)

A motion was made by Lydia Lavelle and seconded by Bill Bell to approve the March 10, 2010 TAC Meeting Minutes. The motion carried unanimously.

Draft FY 2010-2011 Unified Planning Work Program – Public Hearing (Attachments 6 and 6A)

Maria Brown provided an introduction for the Draft FY 2010-2011 Unified Planning Work Program – Public Hearing, along with the attachments.

Maricia Brown stated the only change at this point is in Chapel Hill. We added a project requesting STPDA funding. Ms. Brown stated we are on schedule and would like to have final approval of the UPWP at the next TAC meeting.

Ed Harrison stated that Chapel Hill has a project called the Ephesus Church/Fordham Study for \$100,000. David Bonk stated part of the funding is in this year and part is in the next year.

Mike Woodard opened the public hearing at 9:08 a.m. and there were no comments. Therefore, the public hearing closed at 9:08 a.m. Mike Woodard stated the intent of the TAC is to approve in May.

Sally Kost suggested making the changes and limiting the amount of printing by only replacing the sheets that changed and not copying the entire UPWP again. Lydia Lavelle agrees with Sally.

Maricia Brown stated one change might change quite a few of the pages. It was suggested to send the document electronically instead of a hard copy.

“Living by the Popsicle Rule: The Market for Living in Vibrant Centers and Walkable Neighborhoods” (Attachment 7)

Mike Woodard announced that John Hodges-Copple received the Goodmon Award on Monday night. Mike Woodard requested a presentation of the “Living by the Popsicle Rule: The Market for Living in Vibrant Centers and Walkable Neighborhoods” for the TAC.

John Hodges-Copple stated we need to match land use to the transit service and develop supportive policies. The report answers the question of, is there a market for transit oriented development?

The LUCID project is developing standards for this type of development for communities along the rail line including a neighborhood transit friendliness scorecard. We can come to individual boards and committees to present.

Ellen Reckhow stated the Popsicle Rule (5 minute walkability) underestimates the distance people will be willing to walk to reach transit. Realistically, people will walk up to fifteen minutes. Ms. Reckhow stated they should be thinking of development as rings of density. John Hodges-Copple stated they will go out to one mile with the scorecard.

Lydia Lavelle suggested presenting it to BGMPO and Mebane because of the rail line. John Hodges-Copple stated the BGMPO must approve the Orange County transit plan.

Ed Harrison stated there will be hearings on new developments coming up. We need quality developments near transit service.

Sally Kost asked if the data is national or local. John Hodges-Copple stated none was specifically done for the Triangle. Sally Kost stated people move to Chatham to get away from the congestion. John Hodges-Copple stated there still will be people who do not desire that type of development.

Ellen Reckhow is concerned about extending transit to far-flung developments because it would be expensive and inefficient.

Patrick McDonough stated that TTA is doing a study on this. They are looking at the 2035 land use plans that the local planners have put into the Triangle Regional Model. They have been doing a great deal of research. The street grid and sidewalk coverage are important.

Mark Kleinschmidt stated policies like parking are important. We also need policies that address existing development not just new development. We need to engage pedestrians along the way to transit stations. Mr. Kleinschmidt would like to see pictures of existing developments in the presentation.

Ellen Reckhow stated that transit plans should guide where the development goes. We need to use our transportation plans.

U-4716 (Hopson Road Grade Separation, Church Street Crossing Closure and Extension) – FY 2009-2015 MTIP Amendment #11; 2035 LRTP Amendment #1; and Air Quality Analysis and Determination Report (Attachments 8, 8A, 8B, 8C, 8D, and 8E)

Andy Henry provided an introduction for the U-4716 (Hopson Road Grade Separation, Church Street Crossing Closure and Extension) – FY 2009-2015 MTIP Amendment #11; 2035 LRTP Amendment #1; and Air Quality Analysis and Determination Report, along with the attachments. The handout that was distributed at the beginning of the meeting should replace the last page on attachment 8C.

Joey Hopkins stated that staff is asking the TAC to approve the project and NCDOT will continue to work with the developer on the agreement. NCDOT has told the developer they must have a signed agreement and TAC approval by June 1st. If there is no agreement NCDOT would move forward with the project without negotiating with the builder. The downside for the developer is, as a department, we might not be able to build the section with all of the committed elements that the developer would have to do. NCDOT would build a minimal typical section that the developer would later have to retrofit to meet the committed elements. NCDOT must have an agreement by June 1 to have time to change the

plans and remain on schedule. Joey Hopkins stated at the meeting last week with the developer, they gave them three scenarios which are: (1) move forward with the agreement as currently drafted which is for the department purchasing the right-of-way and the developer building the road; (2) the developer donating the right-of-way and the department constructing the road as part of this project; and (3) if the department and developer can't come to an agreement, with the TAC's approval, NCDOT will move forward with the minimal typical section by the June 1 deadline. NCDOT's preferred option is (2). The developer recently said option 2 was preferred and the developer wants the road open before the bridge is open. The department has concern about the quality of the road that goes through the residential development. NCDOT is willing to work with the developer on this issue.

Mike Woodard stated there was a handshake agreement on the concept and they are working out the details.

Diane Catotti stated Keystone has filed a site plan. Would they have to upgrade the road and Mark Ahrendsen said yes they would be required to improve the road and incur the cost. Diane Catotti thanked Joey Hopkins and staff for all the efforts to get this issue resolved.

Ellen Reckhow asked if the improvements will help Morrisville. Joey Hopkins stated the Keystone residents don't have much of a front yard and will have 1,500 vehicles per day, wide 18' lanes, and will have drivers cutting through the neighborhood. NCDOT will work with City staff on ways to slow traffic in the neighborhood such as on-street parking and bike lanes. The project was in the TIP before the subdivision was there.

A motion was made by Lydia Lavelle and seconded by Mark Kleinschmidt to approve the resolutions adopting amendment #1 to the 2035 Long Ranges Transportation Plan, amendment #11 to the FY 2009-2015 Metropolitan Transportation Improvement Program, and the Air Quality Analysis and Determination Report. The motion carried unanimously.

FY 2009-2015 Metropolitan Transportation Improvement Program Amendment #15 – STP-DA Funding for Local Projects (Attachments 9, 9A, and 9B)

Ellen Beckmann provided an introduction for the FY 2009-2015 Metropolitan Transportation Improvement Program Amendment #15 – STP-DA Funding for Local Projects, along with the attachments.

Ellen Beckmann stated the rescinded funds have been restored. However, there are certain qualifications that apply. Our contract authority was restored not our obligation authority so we have to use the funds before the next TIP takes effect in 2012. In FY 2010, we will be using our current year's STP-DA appropriations and using up some of the rescinded funds that were restored. By the end of 2011, we will have used all of the \$7 million dollars that was rescinded and restored. Ms. Beckmann highlighted a change in Attachment 9A. STPDA funding for the American Tobacco Trail was reduced due to the use of earmark funding, and STPDA funding for Cornwallis Road was increased. Funding for Hillandale Road sidewalks will be moved from FY 2011 to FY 2010.

Ellen Reckhow asked why the widening project on Hillandale Road doesn't include the sidewalks. Why do we have to use STP-DA funds and Dale McKeel stated the State's policy is they will replace existing sidewalks at no cost to the local government. This cost is for new sidewalks on the other side of the street. Ellen Reckhow asked why we should have to put money up for sidewalks that can be part of the Complete Streets program by NCDOT. Joey Hopkins stated the policy has been implemented; but is not in practice. Hopefully, it will be by the end of the year. Joey Hopkins stated that may or may not change the funding policies or reimbursements on sidewalks or other things. Ellen Reckhow stated she hopes the policy will be followed up with change.

Ed Harrison stated the Old Durham-Chapel Hill Road Bicycle/Pedestrian improvements project is now four times the original staff estimate. Mr. Harrison asked what the cost is now and Ellen Beckmann stated it is \$4 million for construction. Mr. Harrison asked what the local matches are and Mark Ahrendsen said 20% of the total shared approximately 65/35 between Durham and Chapel Hill. Dale McKeel stated the bicycle/pedestrian division of the state has put \$400,000 into the project and the

board of transportation has approved \$250,000 for the roundabout at Pope Road. Mr. McKeel stated there was a meeting yesterday regarding this project. They are looking at having 65% of the plans complete by this spring and hopefully having a public meeting in May or June of this year. It will take about a year for construction beginning in 2011. David Bonk added that the cost of Chapel Hill will be approximately \$325,000.

Michael Page asked about Riddle Road. Joey Hopkins said that they have responded to the neighborhood. Ellen Beckmann added that since the rescission was restored, there will be a future opportunity to program additional projects before FY 2015.

A motion was made by Diane Catotti and seconded by Michael Page to approve the resolution to modify the FY 2009-2015 Metropolitan Transportation Improvement Program for the DCHC Urban Area. The motion carried unanimously.

Joint MPO Legislative Agenda (Attachments 10 and 10A)

Mark Ahrendsen provided an introduction for the Joint MPO Legislative Agenda, along with the attachments.

Mark Ahrendsen stated that because it is a short session of the General Assembly this year the suggested plan of action is that we defer this item to see if this is the legislative agenda we want to develop cooperatively with CAMPO and come back in the fall to adopt it so we will have something to share with our legislative delegation for consideration at the long session of the General Assembly.

Mark Ahrendsen stated we accomplished two and one-half out of the four items on the legislative agenda that was adopted in 2006. We accomplished (1) Permanently end the transfer of Highway Trust Fund Revenue (over \$250 million/year) to the North Carolina General Fund; (4) Ensure that any toll revenue generated in a region stays in that region; (3) Create transportation and infrastructure local revenue option authority was partially accomplished. There was no progress in regards to the equity formula; although discussion is underway on the equity formula. The new draft

legislative agenda addresses the equity formula, additional local revenue options, funding the intermodal bill, and opposing the shift of state responsibility to the local jurisdictions.

Mike Woodard stated the General Assembly short session will be limited and agrees with Mark Ahrendsen in holding off until the long session.

Ed Harrison asked what the next steps are and Mark Ahrendsen stated it is not clear on the next steps.

Ellen Reckhow suggested adding information on the funding gap to the agenda and Ms. Reckhow suggested moving #4 before #2 on the draft legislation agenda. Lydia Lavelle wants to expand on #2. What type of infrastructure would be funded? Ellen Reckhow stated we need to be careful what we ask for because there may be strings attached. Mark Ahrendsen stated it is not to take NCDOT's responsibility, but to have more authority for local projects.

Mike Woodard stated staff needs to refine the draft legislative agenda and bring back later in the summer.

REPORTS:

Report from the TAC Chair

Mike Woodard thanked TAC members for attending the Joint TAC meeting with CAMPO. Some of the discussion was covered in the attached news articles. Senator Conti commented about opposing the shifting of responsibility for local roads to the counties. At the joint TAC meeting, Ellen Reckhow suggested reconvening the STAC. Mr. Woodard has had conversations regarding the STAC and three meetings are proposed: (1) one within the next 90 days as a reunion to update members; (2) in February 2011, we will have draft county plans and could ask the STAC to advocate to their boards for the plans; and (3) in summer 2011 to gear up for the referendum.

Ellen Reckhow hopes we don't have to use consultants or burden staff. The TAC has invested a lot in educating the citizens on the transit issue. Ed Harrison stated the transit groups need to be a

formal part of the effort. Mike Woodard stated this needs to be discussed with the STAC Chairs and Co-Chairs. Lydia Lavelle stated we need to define the scope of the group. Diane Catotti supports the idea.

Mark Kleinschmidt has a concern over the referenda in November 2011 due to Raleigh's election in October. There is concern over what else may be on the ballot in Wake County in 2011 such as school board issues. Mr. Kleinschmidt stated we need to do a political analysis of the ballot.

Mike Woodard perhaps that this issue needs to be put on the May 7 leadership agenda so it can be discussed. Ellen Reckhow suggested a small group discussion, along with a consultant.

Mark Ahrendsen stated staff work is continuing with the goal to have the plan complete in spring 2011. Mike Woodard stated the RTA poll results will be sent to TAC members.

Mike Woodard attended the NCDOT summit in Greensboro last week and the RTA Breakfast where Michael Page did an excellent presentation. Mr. Woodard is a member of the National Steering Committee and they are gearing up for the re-authorization bill hopefully to be considered this fall.

Report from Staff (Attachment 12)

Felix Nwoko stated the Report from Staff is attached for review. Felix Nwoko introduced KoSok Chae who is our new MPO Congestion Management System planner and will work on freight and safety. Mr. Chae is very happy to join the MPO.

Report from the TCC Chair

Mark Ahrendsen stated staff is continuing to work with NCDOT on the East End Connector. There will be a follow-up workshop on April 27, 2010, at Holton Community Resource Center. Staff is continuing to work with NCDOT on the Alston Avenue widening project and the environmental justice issues. At the Joint Legislative Oversight Committee, several groups made presentations including Ed Johnson on the Triangle's needs.

Mark Ahrendsen stated staff is working with NCDOT on the grade crossing improvements at Ellis Road due to a fatality. May 8, 2010 is National Rail Day. Ellen Reckhow stated the Durham Train Station signage is not very visible. Mark Ahrendsen will follow-up on the signs.

NCDOT (Attachment 14)

Joey Hopkins, NCDOT Division 5, provided an update on projects. On the NC 54/Davis Drive project, the Davis Drive contractor should be done with the punch list this week and there is still a little bit of work to complete on the NC 54 section. The US 15-501 project is on schedule should be complete in late summer. There is grading on I-40 near I-540 and Page Road due to the interchange improvements. The T.W. Alexander project has started and it is about 3% complete and on schedule. NCDOT is also working on resurfacing projects.

Patrick Wilson, NCDOT Division 7, provided an update on projects. There will be a public workshop on April 27, 2010 for the Smith Level Road project. The new NCDOT design will be presented. Hopefully, the Town will approve the project and NCDOT will proceed with the right-of-way portion and construction in 2013. Lydia Lavelle is pleased with NCDOT's reworking of the plan. There is some concern over the roundabout safety by some citizens.

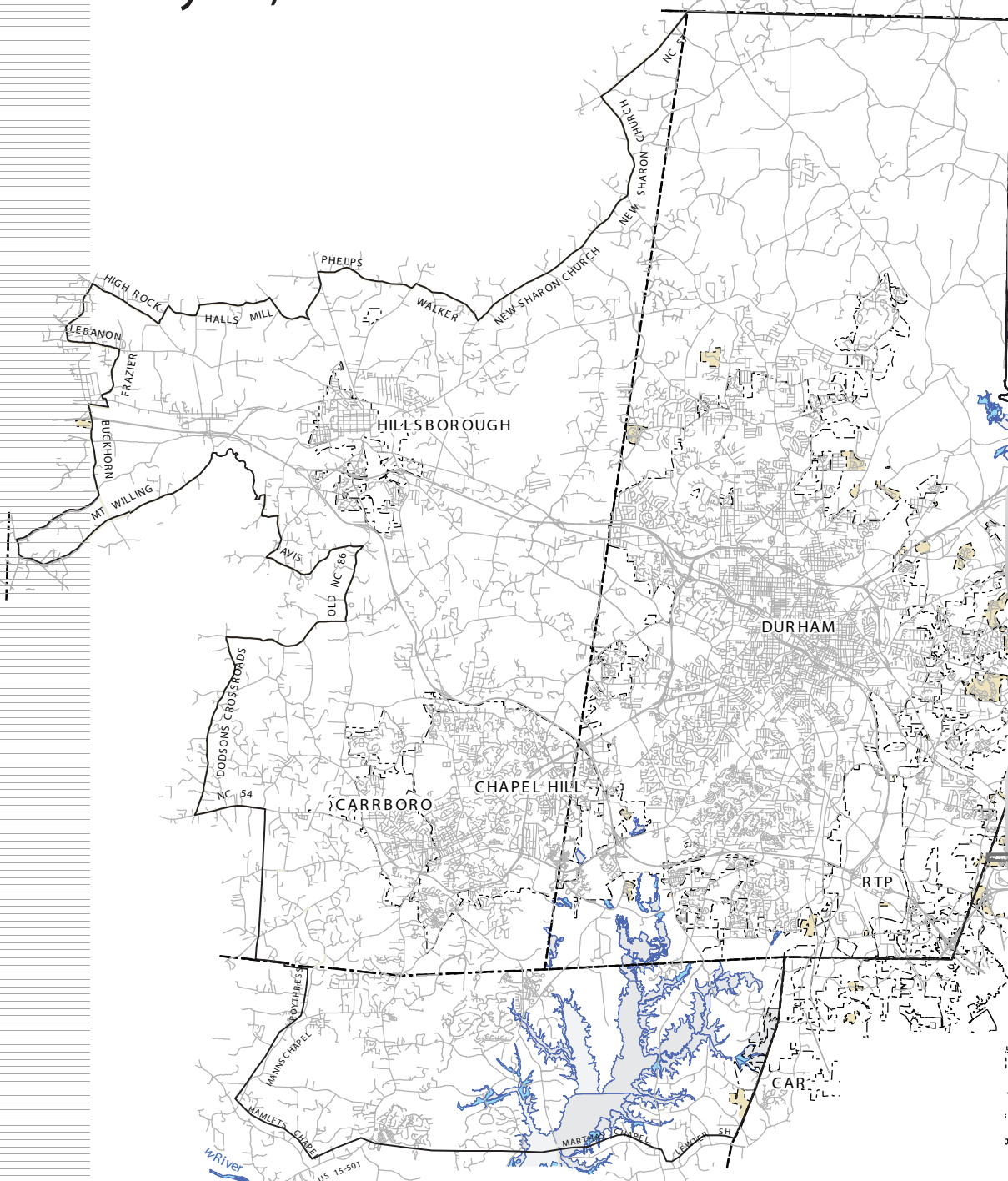
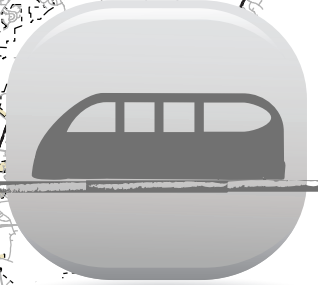
Adjournment

There being no further business before the Transportation Advisory Committee, the meeting was adjourned at 11:14 a.m.

Durham-Chapel Hill-Carrboro Metropolitan Planning Organization

FY 2010 - 2011 Unified Planning Work Program

May 12, 2010



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

FY 2010-2011 Unified Planning Work Program

<u>Table of Contents</u>	<u>Page #</u>
Adopting Resolution	1
Transit Adopting Resolution (FTA).....	2
Self Certification Resolution	3
Self Certification Checklist	4
Overview	8
Introduction.....	9
Development Schedule	16
Funding Distribution & Agency Allocation Tables	17
Summary MPO Funding Source Tables	18
MPO PL and STP-DA Tasks Funding Tables	19
Composite Agency Tables - PL and STP-DA	20
General Task Descriptions and Summary.....	21
Five-Year Work Program	31
<i>Appendices - Agency Project Descriptions and Funding Source Tables</i>	
City of Durham	
Durham/LPA Task Funding Table.....	42
Durham/LPA Task Descriptions & Narrative.....	43
DATA Task Descriptions & Narrative.....	87
DATA FTA Funding Narrative.....	91
FTA Disadvantaged Business Contracting Opportunities Form.....	100
Town of Carrboro	
Town of Carrboro Task Funding Table.....	102
Carrboro Task Description & Narrative.....	103

Town of Chapel Hill	
Town of Chapel Hill Task Funding Table	122
Chapel Hill Task Description & Narrative.....	123
Chapel Hill Transit FTA Narrative	140
FTA Disadvantaged Business Contracting Opportunities Form.....	155
N.C. Department of Transportation	
NCDOT Task Funding Table.....	156
Triangle Transit (TT)	
Triangle Transit Task Funding Table.....	157
Triangle Transit FTA Funding Narrative	158
FTA Disadvantaged Business Contracting Opportunities Form.....	163
Triangle J Council of Governments (TJCOG)	
TJ COG Task Funding Table	164
TJ COG Task Description & Narrative.....	165

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

RESOLUTION

Approving the FY 2010-2011 Unified Planning Work Program

May 12, 2010

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 2010-2011.

Now, therefore, be it resolved that the Transportation Advisory Committee hereby endorses the *Durham-Chapel Hill-Carrboro Metropolitan Planning Organization FY 2010-2011 Unified Planning Work Program*.

I, J. Michael Woodard, 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 12th day of May, 2010.

Mike Woodard, TAC Chair

Subscribed and sworn to me this _____ day of _____, 2010.

(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 2010-2011 Unified Planning Work Program (UPWP) of the
DCHC Urban Area/Metropolitan Planning Organization

May 12, 2010

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 2010-2011.

Now therefore, be it resolved that the Transportation Advisory Committee hereby endorses the
*FY 2010-2011 Unified Planning Work Program for the Durham-Chapel Hill-Carrboro
Metropolitan Planning Organization.*

I, _____, 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 12th day of May, 2010

Mike Woodard
Chairman, Transportation Advisory Committee

Subscribed and sworn to me this _____ day of _____, 2010.

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 2010-2011 (FY 2011)

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

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

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

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

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

WHEREAS, the DCHC MPO Metropolitan Transportation Improvement Program is a subset of the currently conforming 2030 Long Range Transportation Plan;

WHEREAS, the Transportation Plan has a planning horizon year of 2035, and meets all the requirements for an adequate Transportation Plan,

NOW THEREFORE, be it resolved that the DCHC Urban Area Transportation Advisory Committee certifies the transportation planning process for the DCHC Metropolitan Planning Organization on this the ____ day of _____, 2010.

Chair, Transportation Advisory Committee

Clerk/Secretary/Planner

Metropolitan Planning Self-Certification Process

CFR 450.334

The State and the MPO shall annually 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.

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 CFR 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 (U/PWP)? 23 CFR 450.314
 - a. Is there an adopted prospectus? Are work programs consistent with the adopted prospectus?
 - b. Are tasks and products clearly outlined?
 - c. Is the U/PWP consistent with the LRTP?
 - d. Has the UPWP been checked for effectiveness to see if it is further meeting the goals of the LRTP?
 - e. Is UPWP product driven and result oriented?
 - f. Is the work identified in the U/PWP completed in a timely fashion?
5. Does the area have a valid transportation planning process? 23 CFR 450.322
 - 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 include strategies for evaluating effectiveness of Plan goals and targets?
 - f. Does it cover all modes applicable to the area?
 - g. Does it address preservation of existing systems? Is consideration of the preservation of existing systems clearly documented in stand-alone section?
 - h. How is freight considerations incorporated into the LRTP?
 - i. How is safety considerations incorporated in the LRTP? Are safety considerations documented separately (stand-alone)?
 - j. Is it financially constrained?
 - k. Has the MPO demonstrated reasonableness of LRTP Revenue sources? How?
 - l. Does it include funding for the maintenance and operation of the system?
 - m. Does it include environmental mitigation?
 - n. Does it conform to the State Implementation Plan (SIP) (if applicable)?
 - o. 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, 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-yr 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? (SAFETEA-LU)
 - a. How _____

- b. Why not _____
9. Does the planning process meet the following requirements of 23 CFR 450.316 (2) (3), EO 12898?
- a. Title VI
 - i. Are there procedures in place to address Title VI complaints and does it comply with federal regulation? [23 CFR 200.9 (b)(3)]
 - b. Environmental Justice (Executive Order 12898)
 - i. Has the MPO identified low-income and minority populations within the planning area and considered the effects in the planning process?
 - ii. Has the MPO developed Environmental Justice Policy and Program?
 - iii. Has the MPO involved EJ community in the development of the UPWP?
 - c. ADA
 - i. Are there procedures in place to address ADA complaints of non-compliance and does it comply with federal regulation? [49 CFR 27.13]
 - d. DBE
 - i. Does the MPO have a DBE policy statement that expresses commitment to the DBE program? [49 CFR 26.23]
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.
 - g. Does the PIP include criteria for measuring the effectiveness of PIP?
 - h. Is the PIP periodically reviewed and updated to ensure its effectiveness?
 - i. Are plans/program documents available in an electronic accessible format, i.e. MPO website?
 - j. Has the MPO employed visualization tools in LRTP, TIP and planning projects?
 - k. Does the PIP include visualization tools?
 - l. Is the EJ community given the adequate and meaningful opportunity to provide comments on the planning process?
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 _____
12. Has the UPWP been checked for effectiveness to see if it is further meeting the goals of the LRTP?
13. Does the UPWP meet SAFETEA-LU requirements? If not, what is the timeline to update the UPWP?
14. Do the selected work items reflect the planning priorities facing the MPO?
15. Do the MPO product UPWP reports consistent with agreements and federal regulation? Are UPWP products and accomplishments documented in reports? Are accomplishments consistent with the proposed work programs? Are reports made available to the Policy Board and the Public? How are reports disseminated?
16. How is safety consideration reflected in the MPO planning process?
17. What steps have you taken to incorporate freight concerns in the planning process? Is freight considered in the project selection and prioritization process?

18. Are freight providers included in the MPO's boards, advisory groups, task forces? If no, what steps are being taken to incorporate these groups?
19. Has the MPO developed methodology to measure the impact freight on the transportation system?
20. What process/procedures are used to self-certify the planning process?
 - a. How are the transit authority, State DOT, and others involved?
 - b. What criteria have been established for the self-certification?
 - c. Is there an opportunity for public comment? If so, how are comments addressed?
 - d. How is the self-Certification Process documented?
21. What supporting documentation/information is provided to the MPO policy board when the self-certification is approved?
 - a. Is the policy board provided documentation on what is required in the planning process by various laws? When and how?
 - b. Is support/documentation to support the self-certification provided to the policy board and the public?
22. How is the annual self-certification provided to the Federal agencies—as part of the TIP/STIP or UPWP, or in a separate submittal?
23. Does the MPO have processes, procedures, guidelines, and/or policies that address Title VI, ADA, DBE, lobbying, and other regulatory requirements?
24. How are these documented and applied?
25. Are there any specific strategies in place to reach the Hispanic community?
26. Do you have the following: a Citizens Advisory Committee, and a Transportation Disadvantaged Advisory Committee to make recommendations to the MPO (as the TCC currently does)? If not, are there plans to incorporate these committees?
27. For projects identified in the LRTP, do you develop Purpose & Need Statements? If so, how detailed are these P&N statements?
28. How was the public involved in the development/update of your CMP?
29. Is the CMP current? Does the CMP meet SAFETEA-LU requirements? If not, what is the timeline to update the CMP?

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 2009-2010 UPWP and is included in this (FY 2011) work program.

INTRODUCTION

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

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

The funding source tables reflect available federal planning fund sources and the amounts of non-federal matching funds. The match is provided through either local or state funds or both. Statewide Planning and Research Funds (SPR) are designated for State use only and reflect the amount of those funds to be expended by the N.C. Department of Transportation Statewide Planning Division on DCHC MPO activities. Section 104(f) funds are designated for MPO planning and are sub-allocated to the City of Durham, Town of Carrboro and Town of Chapel Hill. Section 133(b)(3)(7) funds are the portion of STP-DA funds used in MPO planning. The City of Durham uses these funds to support the LPA planning functions. These funds are also used for MPO special projects, such as the congestion Management Systems, Collector Street Plan, Land use model, GIS/Data integration and automation, Regional model update and enhancement, Travel behavior surveys and update of the ITS deployment plan and regional architecture, support of the Regional Model Service Bureau, NC 54 Corridor Study, Parking Survey/Study, etc.

The main source of funds for transit planning for Chapel Hill Transit (CHT), the Durham Area Transit Authority (DATA), and the Triangle Transit Authority (TTA), is the Federal Transit Administration's Section 5303 (formerly Section 8) funds. These funds are allocated by NCDOT's Public Transportation Division (PTD). Transit agencies can also use portions of their Section 5307 (formerly Section 9) capital and operating funds for planning. These funds must be approved by the TAC as part of the UPWP approval process.

FY 2010-11 STP-DA Funds will cover special projects and continuation of 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 2010-11 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 the following formula: All MPOs get an equal share of \$130,000 (hold harmless) and the rest of the funds are distributed based on the MPO urbanized area population. The DCHC MPO PL fund allocation for FY 2010-11 is as follows:

Federal (PL funds)	\$	354,044
Local (20% match)	\$	88,511
Total PL Funds	\$	<u>442,555</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 2010-2011 UPWP are shown below, including funds de-obligated from FY 2009-10 UPWP and re-obligated or carried over to FY 2010-11:

Federal (STP-DA)	\$	1,600,145
Local (20% match)	\$	400,036
Total	\$	<u>2,000,181</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 2010-2011 UPWP are as follows:

Federal	\$	57,600
NCDOT-TPB	\$	14,400
Total SPR funds	\$	<u>72,000</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	\$ 109,341	\$ 113,803	\$ -	\$ 223,144
State	\$ 13,668	\$ 14,225	\$ -	\$ 27,893
Local	\$ 13,668	\$ 14,225	\$ -	\$ 27,893
Total	\$ 136,677	\$ 142,253	\$ -	\$ 278,930
Sect. 5303				

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	\$ 88,024	\$ 306,665	\$ 956,000	\$ 1,350,689
State	\$ 11,003	\$ 38,333	\$ 119,500	\$ 168,836
Local	\$ 11,003	\$ 38,333	\$ 119,500	\$ 168,836
Total				
Sect. 5307	\$ 110,030	\$ 383,331	\$ 1,195,000	\$ 1,688,361

DCHC MPO – UPWP Funding Sources Summary Table (FY 2010-2011)

Funding Type	Federal	State	Local	Total
PL (Sect. 104(f))	\$ 354,044	\$ -	\$ 88,511	\$ 442,555
STP-DA	\$ 1,600,145	\$ -	\$ 400,036	\$ 2,000,181
SPR	\$ 57,600	\$ 14,400	\$ -	\$ 72,000
FTA 5303	\$ 223,144	\$ 27,893	\$ 27,893	\$ 278,930
FTA 5307	\$ 1,350,689	\$ 168,836	\$ 168,836	\$ 1,688,361

Special-Major Project Summary

Introduction

The Main emphases of the current (FY 2009-10) 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 transportation plan 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 2009-10 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, including the formation of an energy Team and providing start support for the Energy Team. One of the first year implementation focus areas is 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. A critical component of this study is public outreach and public involvement. In addition to traditional methods for obtaining public input the consultant team conducted focus group meetings and “hands-on” public workshops. The focus groups was used to gather information from specific topic areas ranging from policy, bicycle, pedestrian, transit, neighborhoods, environment, business, development, and commuters. Also the first public workshop was help to collect public input and comments on the alternatives and evaluation measures.
3. **2009-2015 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 2007-13 MTIP:** The MPO processed several administrative modifications to the 2007-13 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, MPO Collector Street Plan. Significant progress was made during the 2009-10 fiscal year.
10. Alston Avenue Widening & East-End Connector: The LPA worked on the project planning and NEPA for the Alston Avenue and the East End Connector projects. The LPA continued work in helping NCDOT in the public involvement and outreach for the East-End Connector planning and environmental (NEPA) study.
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, 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). Work continues on the update of the Triangle Regional ITS SDP. The MPO is providing the contractual and administrative management of this project.
13. Farrington/Stagecoach Road study has been completed. Public involvement and recommendations are anticipated to be folded into the Comprehensive Transportation Plan (CTP).
14. The MPO Collector Street Plan is nearly complete. Public involvement and adoption will be streamlined with the CTP.

2010-2011 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 2010-2011 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 special areas for 2010-11 work program.

FY 2011 (FY 2010 - 2011) 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 DCHC-MPO
18	TDM Plan update
19	MPO Policy /Process document
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

Unified Planning Work Program (UPWP) Development Process

The development process for the 2010-11 UPWP is presented below. The work program does not contain any new initiative rather continuation of the FY 2009-10 initiatives and emphasis areas. In addition, the schedule provides for opportunity for linking the UPWP development with the local member governments' budget process. Draft 2010-11 UPWP schedule is illustrated in the attached development schedule.

NO.	Date	Descriptions
1	24-Feb-2010	TCC receives the draft 2010-11 UPWP
2	12-Feb-2010	Deadline for submitting transit element of the UPWP to NCDO -PTD
3	10-March-2010	TAC receives draft 2010-2011 UPWP and releases for public comment.
4	24-March-2010	TCC recommends Draft 2010-2011 UPWP for TAC approval
5	February - April 2010	Development of Draft 2010-11 UPWP and coordinating with local agencies continues.
6	February-March 2010	TCC coordinates with member jurisdictions budget process for local matching funds
7	May-2010	TAC adopts 2010-2011 UPWP and self certifies MPO planning process. TAC approves FTA memo on Section 5307 distribution between TTA, DATA and CHT
8	May-2010	NCDOT/FHWA approves 2010-2011 UPWP
9	1-Jul-10	2010-2011 UPWP available July 1

MPO Funds Distribution by Agency

**Durham-Chapel Hill-Carrboro Urban Area
FY 2010-2011 Unified Planning Work Program
Funding Distribution by Agency & Funding Sources**

**MPO Summary
4/30/2010 11:47**

Receiving Agency	SPR Highway		STP-DA Sec. 133(b)(3)(7)		Section 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	NCDOT	FHWA	Local	FHWA	Local	FHWA	Local	NCDOT	FTA	Local	NCDOT	FTA	Local	NCDOT	FTA	Local	NCDOT	Federal	Total
	20%	80%	20%	80%	20%	80%	10%	10%	80%	10%	10%	80%	10%	10%	80%				
Durham/DATA			281,286	1,125,145	67,093	268,372	14,225	14,225	113,803	38,333	38,333	306,665	0	0	0	400,938	52,559	1,813,985	2,267,481
Carrboro			0	0	5,676	22,704	0	0	0	0	0	0	0	0	0	5,676	-	22,704	28,380
Chapel Hill/CHT			111,250	445,000	15,742	62,968	13,668	13,668	109,341	11,003	11,003	88,024	0	0	0	151,663	24,671	705,333	881,666
Orange County			0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
TJCOG			7,500	30,000	0	0	0	0	0	0	0	0	0	0	0	-	7,500	30,000	37,500
ITA			0	0	0	0	0	0	0	119,500	119,500	956,000	0	0	0	119,500	119,500	956,000	1,195,000
NCDOT	14,400	57,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14,400	57,600	72,000
Totals	\$14,400	\$57,600	\$400,036	\$1,600,145	\$88,511	\$354,044	\$27,893	\$27,893	\$223,144	\$168,836	\$168,836	\$1,350,689	\$0	\$0	\$0	\$677,776	\$218,629	\$3,585,622	\$4,482,028

**Durham-Chapel Hill-Carrboro Urban Area
FY 2010-2011 Unified Planning Work Program
Detail Funding Source Tables - FHWA/FTA Funds**

	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	4,725	18,900	90	360	0	0	0	0	0	0	4,815	-	19,260	24,075
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	825	3,300	48	192	0	0	0	0	0	0	873	-	3,492	4,365
5	Transit System Data	0	0	13,750	55,000	0	0	9,731	9,731	77,851	19,320	19,320	154,557	42,801	29,051	287,408	359,260
6	Dwelling Unit, Pop. & Emp. Change	0	0	3,750	15,000	3,313	13,250	0	0	0	0	0	0	7,063	-	28,250	35,313
7	Air Travel	0	0	125	500	325	1,300	0	0	0	0	0	0	450	-	1,800	2,250
8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
9	Travel Time Studies	0	0	10,960	43,838	2,385	9,540	625	625	5,000	0	0	0	13,970	625	58,378	72,973
10	Mapping	0	0	5,000	20,000	5,627	22,506	2,500	2,500	20,000	0	0	0	13,127	2,500	62,506	78,133
11	Central Area Parking Inventory	0	0	1,250	5,000	0	0	0	0	0	0	0	0	1,250	-	5,000	6,250
12	Bike & Ped. Facilities Inventory	0	0	1,000	4,000	48	192	0	0	0	0	0	0	1,048	-	4,192	5,240
13	Bike & Ped. Counts	0	0	4,650	18,600	240	960	0	0	0	0	0	0	4,890	-	19,560	24,450
II B	Long Range Transp. Plan																
1	Collection of Base Year Data	0	0	9,000	36,000	2,706	10,824	1,250	1,250	10,000	0	0	0	12,956	1,250	56,824	71,030
2	Collection of Network Data	0	0	1,825	7,300	960	3,840	1,250	1,250	10,000	0	0	0	4,035	1,250	21,140	26,425
3	Travel Model Updates	2,100	8,400	46,610	186,440	5,000	20,000	0	0	0	16,000	16,000	128,000	67,610	18,100	342,840	428,550
4	Travel Surveys	0	0	0	0	0	0	1,200	1,200	9,600	0	0	0	1,200	1,200	9,600	12,000
5	Forecast of Data to Horizon year	0	0	3,550	14,200	3,752	15,006	625	625	5,000	0	0	0	7,927	625	34,206	42,758
6	Community Goals & Objectives	0	0	5,250	21,000	2,998	11,992	0	0	0	0	0	0	8,248	-	32,992	41,240
7	Forecast of Future Travel Patterns	0	0	0	0	250	1,000	0	0	0	0	0	0	250	-	1,000	1,250
8	Capacity Deficiency Analysis	0	0	2,450	9,800	0	0	0	0	0	0	0	0	2,450	-	9,800	12,250
9	Highway Element of th LRTP	2,300	9,200	250	1,000	0	0	0	0	0	0	0	0	250	2,300	10,200	12,750
10	Transit Element of the LRTP	1,000	4,000	250	1,000	750	3,000	625	625	5,000	5,311	5,311	42,486	6,936	6,936	55,486	69,358
11	Bicycle & Ped. Element of the LRTP	1,000	4,000	9,500	38,000	2,500	10,000	0	0	0	0	0	0	12,000	1,000	52,000	65,000
12	Airport/Air Travel Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
13	Collector Street Element of LRTP	200	800	750	3,000	0	0	0	0	0	0	0	0	750	200	3,800	4,750
14	Rail, Water or other mode of LRTP	0	0	250	1,000	125	500	0	0	0	0	0	0	375	-	1,500	1,875
15	Freight Movement/Mobility Planning	0	0	3,500	14,000	1,100	4,400	0	0	0	0	0	0	4,600	-	18,400	23,000
16	Financial Planning	0	0	0	0	750	3,000	4,544	4,544	36,352	0	0	0	5,294	4,544	39,352	49,190
17	Congestion Management Strategies	200	800	15,500	62,000	3,558	14,230	0	0	0	1,616	1,616	12,928	20,674	1,816	89,958	112,448
18	Air Qual. Planning/Conformity Anal.	200	800	3,125	12,500	1,675	6,700	0	0	0	0	0	0	4,800	200	20,000	25,000
II C	Short Range Transit Planning																
1	Short Range Transit Planning	0	0	5,500	22,000	210	840	0	0	0	75,000	75,000	600,000	80,710	75,000	622,840	778,550
III-A	Planning Work Program	400	1,600	1,250	5,000	5,268	21,072	161	161	1,288	2,983	2,983	23,866	9,662	3,544	52,826	66,033
III-B	Transp. Improvement Plan	400	1,600	1,250	5,000	8,763	35,050	250	250	2,000	239	239	1,912	10,502	889	45,562	56,953
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	1,425	5,700	1,650	6,600	0	0	0	500	500	4,000	3,575	500	16,300	20,375
3	Minority Business Enterprise	0	0	1,250	5,000	0	0	0	0	0	0	0	0	1,250	-	5,000	6,250
4	Planning for the Elderly & Disabled	0	0	6,250	25,000	310	1,240	0	0	0	0	0	0	6,560	-	26,240	32,800
5	Safety/Drug Control Planning	0	0	2,750	11,000	0	0	0	0	0	0	0	0	2,750	-	11,000	13,750
6	Public Involvement	0	0	9,850	39,400	3,821	15,284	0	0	0	5,271	5,271	42,165	18,942	5,271	96,849	121,061
7	Private Sector Participation	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	0	-	100	400	500
2	Enviro. Analysis & Pre-TIP Plng.	1,000	4,000	13,500	54,000	2,090	8,360	0	0	0	0	0	0	15,590	1,000	66,360	82,950
3	Special Studies	1,000	4,000	125,314	501,257	1,943	7,772	563	563	4,500	13,800	13,800	110,400	141,620	15,363	627,929	784,911
4	Regional or Statewide Planning	500	2,000	19,375	77,500	867	3,468	625	625	5,000	0	0	0	20,867	1,125	87,968	109,960
III E	Management & Operations																
1	Management & Operations	4,000	16,000	64,478	257,910	25,392	101,566	3,944	3,944	31,553	28,797	28,797	230,375	122,610	36,741	637,404	796,755
Totals		\$14,400	\$57,600	\$400,036	\$1,600,145	\$88,511	\$354,044	\$27,893	\$27,893	\$223,144	\$168,836	\$168,836	\$1,350,689	\$685,276	\$211,129	\$3,585,622	\$4,482,028

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	-	-	-	90	360	450	-	-	-	4,725	18,900	23,625	4,815	19,260	24,075
2 Vehicle Miles of Travel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3 Street System Changes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 Traffic Accidents	-	-	-	48	192	240	-	-	-	825	3,300	4,125	873	3,492	4,365
5 Transit System Data	12,500	50,000	62,500	-	-	-	-	-	-	1,250	5,000	6,250	13,750	55,000	68,750
6 Dwelling Unit, Pop. & Emp. Change	-	-	-	-	-	-	-	-	-	7,063	28,250	35,313	7,063	28,250	35,313
7 Air Travel	-	-	-	-	-	-	-	-	-	450	1,800	2,250	450	1,800	2,250
8 Vehicle Occupancy Rates	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9 Travel Time Studies	-	-	-	60	240	300	-	-	-	13,285	53,138	66,423	13,345	53,378	66,723
10 Mapping	2,500	10,000	12,500	214	856	1,070	-	-	-	7,913	31,650	39,563	10,627	42,506	53,133
11 Central Area Parking Inventory	-	-	-	-	-	-	-	-	-	1,250	5,000	6,250	1,250	5,000	6,250
12 Bike & Ped. Facilities Inventory	-	-	-	48	192	240	-	-	-	1,000	4,000	5,000	1,048	4,192	5,240
13 Bike & Ped. Counts	-	-	-	240	960	1,200	-	-	-	4,650	18,600	23,250	4,890	19,560	24,450
II-B Long Range Transp. Plan															
1 Collection of Base Year Data	2,500	10,000	12,500	206	824	1,030	-	-	-	9,000	36,000	45,000	11,706	46,824	58,530
2 Collection of Network Data	750	3,000	3,750	210	840	1,050	-	-	-	1,825	7,300	9,125	2,785	11,140	13,925
3 Travel Model Updates	-	-	-	-	-	-	-	-	-	51,610	206,440	258,050	51,610	206,440	258,050
4 Travel Surveys	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5 Forecast of Data to Horizon year	2,500	10,000	12,500	74	296	370	-	-	-	4,728	18,910	23,638	7,302	29,206	36,508
6 Community Goals & Objectives	500	2,000	2,500	48	192	240	-	-	-	7,700	30,800	38,500	8,248	32,992	41,240
7 Forecast of Future Travel Patterns	-	-	-	-	-	-	-	-	-	250	1,000	1,250	250	1,000	1,250
8 Capacity Deficiency Analysis	-	-	-	-	-	-	-	-	-	2,450	9,800	12,250	2,450	9,800	12,250
9 Highway Element of th LRTP	-	-	-	-	-	-	-	-	-	250	1,000	1,250	250	1,000	1,250
10 Transit Element of the LRTP	750	3,000	3,750	-	-	-	-	-	-	250	1,000	1,250	1,000	4,000	5,000
11 Bicycle & Ped. Element of the LRTP	-	-	-	-	-	-	-	-	-	12,000	48,000	60,000	12,000	48,000	60,000
12 Airport/Air Travel Element of LRTP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13 Collector Street Element of LRTP	-	-	-	-	-	-	-	-	-	750	3,000	3,750	750	3,000	3,750
14 Rail, Water or other mode of LRTP	-	-	-	-	-	-	-	-	-	375	1,500	1,875	375	1,500	1,875
15 Freight Movement/Mobility Planning	-	-	-	-	-	-	-	-	-	4,600	18,400	23,000	4,600	18,400	23,000
16 Financial Planning	-	-	-	-	-	-	-	-	-	750	3,000	3,750	750	3,000	3,750
17 Congestion Management Strategies	625	2,500	3,125	240	960	1,200	-	-	-	18,193	72,770	90,963	19,058	76,230	95,288
18 Air Qual. Planning/Conformity Anal.	-	-	-	-	-	-	3,125	12,500	15,625	1,675	6,700	8,375	4,800	19,200	24,000
II-C Short Range Transit Planning															
1 Short Range Transit Planning	5,500	22,000	27,500	210	840	1,050	-	-	-	-	-	-	5,710	22,840	28,550
III-A Planning Work Program	1,500	6,000	7,500	268	1,072	1,340	-	-	-	4,750	19,000	23,750	6,518	26,072	32,590
III-B Transp. Improvement Plan	1,500	6,000	7,500	-	-	-	-	-	-	8,513	34,050	42,563	10,013	40,050	50,063
III-C Cvl Rgts. Cmp./Otr. Req. Reqs.															
1 Title VI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 Environmental Justice	-	-	-	150	600	750	-	-	-	2,925	11,700	14,625	3,075	12,300	15,375
3 Minority Business Enterprise	1,250	5,000	6,250	-	-	-	-	-	-	-	-	-	1,250	5,000	6,250
4 Planning for the Elderly & Disabled	6,250	25,000	31,250	60	240	300	-	-	-	250	1,000	1,250	6,560	26,240	32,800
5 Safety/Drug Control Planning	2,750	11,000	13,750	-	-	-	-	-	-	-	-	-	2,750	11,000	13,750
6 Public Involvement	4,000	16,000	20,000	496	1,984	2,480	-	-	-	9,175	36,700	45,875	13,671	54,684	68,355
7 Private Sector Participation	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
III-D Incidental Png./Project Dev.															
1 Transportation Enhancement Png.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 Enviro. Analysis & Pre-TIP Png.	12,000	48,000	60,000	90	360	450	-	-	-	3,500	14,000	17,500	15,590	62,360	77,950
3 Special Studies	18,000	72,000	90,000	718	2,872	3,590	-	-	-	108,539	434,157	542,696	127,257	509,029	636,286
4 Regional or Statewide Planning	10,617	42,468	53,085	-	-	-	4,375	17,500	21,875	5,250	21,000	26,250	20,242	80,968	101,210
III-E Management & Operations															
1 Management & Operations	41,000	164,000	205,000	2,206	8,824	11,030	-	-	-	46,663	186,652	233,315	89,869	359,476	449,345
Totals	126,992	507,968	634,960	5,676	22,704	28,380	7,500	30,000	37,500	348,379	1,393,517	1,741,896	488,547	1,954,189	2,442,736

Durham-Chapel Hill-Carrboro Urban Area
FY 2010-2011 Unified Planning Work Program
MPO PL & STP-DA Funding Tables

	Task Description	STP-DA Section 133(b)(3)(7)			PL Section 104(f)			Total FHWA Planning Funds		
		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	4,725	18,900	23,625	90	360	450	4,815	19,260	24,075
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	825	3,300	4,125	48	192	240	873	3,492	4,365
5	Transit System Data	13,750	55,000	68,750	0	0	0	13,750	55,000	68,750
6	Dwelling Unit, Pop. & Emp. Change	3,750	15,000	18,750	3,313	13,250	16,563	7,063	28,250	35,313
7	Air Travel	125	500	625	325	1,300	1,625	450	1,800	2,250
8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0
9	Travel Time Studies	10,960	43,838	54,798	2,385	9,540	11,925	13,345	53,378	66,723
10	Mapping	5,000	20,000	25,000	5,627	22,506	28,133	10,627	42,506	53,133
11	Central Area Parking Inventory	1,250	5,000	6,250	0	0	0	1,250	5,000	6,250
12	Bike & Ped. Facilities Inventory	1,000	4,000	5,000	48	192	240	1,048	4,192	5,240
13	Bike & Ped. Counts	4,650	18,600	23,250	240	960	1,200	4,890	19,560	24,450
II-B	Long Range Transp. Plan									
1	Collection of Base Year Data	9,000	36,000	45,000	2,706	10,824	13,530	11,706	46,824	58,530
2	Collection of Network Data	1,825	7,300	9,125	960	3,840	4,800	2,785	11,140	13,925
3	Travel Model Updates	46,610	186,440	233,050	5,000	20,000	25,000	51,610	206,440	258,050
4	Travel Surveys	0	0	0	0	0	0	0	0	0
5	Forecast of Data to Horizon year	3,550	14,200	17,750	3,752	15,006	18,758	7,302	29,206	36,508
6	Community Goals & Objectives	5,250	21,000	26,250	2,998	11,992	14,990	8,248	32,992	41,240
7	Forecast of Future Travel Patterns	0	0	0	250	1,000	1,250	250	1,000	1,250
8	Capacity Deficiency Analysis	2,450	9,800	12,250	0	0	0	2,450	9,800	12,250
9	Highway Element of th L RTP	250	1,000	1,250	0	0	0	250	1,000	1,250
10	Transit Element of the L RTP	250	1,000	1,250	750	3,000	3,750	1,000	4,000	5,000
11	Bicycle & Ped. Element of the L RTP	9,500	38,000	47,500	2,500	10,000	12,500	12,000	48,000	60,000
12	Airport/Air Travel Element of L RTP	0	0	0	0	0	0	0	0	0
13	Collector Street Element of L RTP	750	3,000	3,750	0	0	0	750	3,000	3,750
14	Rail, Water or other mode of L RTP	250	1,000	1,250	125	500	625	375	1,500	1,875
15	Freight Movement/Mobility Planning	3,500	14,000	17,500	1,100	4,400	5,500	4,600	18,400	23,000
16	Financial Planning	0	0	0	750	3,000	3,750	750	3,000	3,750
17	Congestion Management Strategies	15,500	62,000	77,500	3,558	14,230	17,788	19,058	76,230	95,288
18	Air Qual. Planning/Conformity Anal.	3,125	12,500	15,625	1,675	6,700	8,375	4,800	19,200	24,000
II-C	Short Range Transit Planning									
1	Short Range Transit Planning	5,500	22,000	27,500	210	840	1,050	5,710	22,840	28,550
III-A	Planning Work Program	1,250	5,000	6,250	5,268	21,072	26,340	6,518	26,072	32,590
III-B	Transp. Improvement Plan	1,250	5,000	6,250	8,763	35,050	43,813	10,013	40,050	50,063
III-C	Cvl Rgts. Cmp./Otr .Reg. Reqs.									
1	Title VI	0	0	0	0	0	0	0	0	0
2	Environmental Justice	1,425	5,700	7,125	1,650	6,600	8,250	3,075	12,300	15,375
3	Minority Business Enterprise	1,250	5,000	6,250	0	0	0	1,250	5,000	6,250
4	Planning for the Elderly & Disabled	6,250	25,000	31,250	310	1,240	1,550	6,560	26,240	32,800
5	Safety/Drug Control Planning	2,750	11,000	13,750	0	0	0	2,750	11,000	13,750
6	Public Involvement	9,850	39,400	49,250	3,821	15,284	19,105	13,671	54,684	68,355
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.	13,500	54,000	67,500	2,090	8,360	10,450	15,590	62,360	77,950
3	Special Studies	125,314	501,257	626,571	1,943	7,772	9,715	127,257	509,029	636,286
4	Regional or Statewide Planning	19,375	77,500	96,875	867	3,468	4,335	20,242	80,968	101,210
III-E	Management & Operations									
1	Management & Operations	64,478	257,910	322,388	25,392	101,566	126,958	89,869	359,476	449,345
Totals		400,036	1,600,145	2,000,181	88,511	354,044	442,555	488,547	1,954,189	2,442,736

Task Descriptions and Summary Narratives FY 2010-2011 UPWP

Task II-A: Surveillance of Change

The MPO is required by federal regulations and the 3C process to perform continuous data monitoring and maintenance. A number of transportation and socio-economic/demographic conditions will be continuously surveyed and compiled annually to determine whether previous projections are still valid or whether plan assumptions need to be changed. Surveillance of Change tasks are described in the following sections and agency responsibilities are summarized. Also, expected work products/deliverables and proposed schedule/accomplishment dates are provided as well.

Task II-A-1: Traffic Volume Counts

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).

Task II-A-2: Vehicle Miles of Travel

No funded programmed.

Task II-A-3: Street System Mileage Change

No funding programmed.

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.

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

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 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

No funding programmed.

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 2010-2011 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 2010-2011. 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-1: Title VI

No funding programmed.

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

In accordance with Federal Action (Executive Order 12898), the will develop an Environmental Justice Plan which will focus on complying with the Executive Order and the three basic principles of Environmental Justice: 1) Ensure adequate public involvement of low-income and minority groups in decision-making; 2) Prevent disproportionately high and adverse impacts to low-income and minority groups resulting from transportation and environmental decisions made

by the MPO; and 3) Assure that low-income and minority groups receive a proportionate share of benefits resulting from transportation decisions made by the MPO. Tasks include:

1. Develop MPO Environmental Justice Plan, including establishment of Environmental Justice Advisory Board
2. Update demographic profiles based on Census CTPP and PUMS as well as MPO SE data forecasts - maps to identify areas of low-income, minority and elderly populations, job accessibility, and overlay of major employers, fixed route transit systems, and major shopping areas.
3. Provide increased opportunities for under-served populations to be represented in the transportation planning process.
4. Define target areas through the use of Census Block Group data from the 2000 Census.
5. Analyze the mobility of target area populations to jobs, childcare, and transit routes.
6. Review existing public outreach and involvement plan.
7. Develop a protocol for responding to issues and concerns regarding Environmental Justices in general and Hispanic population in particular.
8. Conduct analysis as needed regarding equitable distribution of transportation system benefits and costs among all socio-economic groups throughout the MPO area

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 Development

No funds programmed.

Task 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.

Three new positions are filled during FY 2009. These position will help the MPO fulfill federal (SAFETEA-LU) and state transportation requirements.

DCHC MPO 5-Year Unified Planning Work Program : July 1, 2010 to June 30, 2015

	1	2	3	4	5
FY	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Period	2010-11	2011-12	2012-13	2013-14	2014-15
	July 1, 2010-June 30, 2011	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015
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
1.3		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
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
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 2011 UPWP	Develop FY 2012 UPWP	Develop FY 2013 UPWP	Develop FY 2014 UPWP	Develop FY 2015 UPWP
2.5	UPWP financial management	UPWP financial management	UPWP financial management	UPWP financial management	UPWP financial management

DCHC MPO 5-Year Unified Planning Work Program : July 1, 2010 to June 30, 2015

	1	2	3	4	5
FY	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Period	2010-11	2011-12	2012-13	2013-14	2014-15
	July 1, 2010-June 30, 2011	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015
	Grant monitoring and audit	Grant monitoring and audit	Grant monitoring and audit	Grant monitoring and audit	Grant monitoring and audit
2.6	Perform annual self-certification & On-Going Process-Development	Perform annual self-certification & On-Going Process-Development	Perform annual self-certification & On-Going Process-Development	Perform annual self-certification & On-Going Process-Development	Perform annual self-certification & On-Going Process-Development
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	Amendment of the 2035 LRTP for AQ analysis and conformity as necessary	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
3.2	CTP components-Highway, transit, bicycle and pedestrian vision plans	Deficiency Analysis	CTP components-Highway, transit, bicycle and pedestrian vision plans	Model Update for LRTP analysis	SE data collection and Forecasts for 2045 LRTP
3.3	Inter-Agency Consultation process	Alternative analysis	AQ analysis and conformity determination process	Inter-Agency Consultation process	Land-use Scenario analysis
3.4	SE data collection and Forecasts for 2040 LRTP	Development of Preferred Option	Inter-Agency Consultation process	CTP update	
3.5	Goals, Objectives and targets for 2040 LRTP		Draft LRTP AQ Conformity Jan 2013 & approval in March 2013	Land-use Scenario analysis	
3.6	Model Update for LRTP analysis				
3.7			LRTP conformity lapses June 15 2013		
3.8					
3.9					
3.10					

DCHC MPO 5-Year Unified Planning Work Program : July 1, 2010 to June 30, 2015

	1	2	3	4	5
FY	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Period	2010-11	2011-12	2012-13	2013-14	2014-15
	July 1, 2010-June 30, 2011	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015
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	Model validation refinement. Calibration of 2005 model and validation of 2010 base year.	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		
4.3	Collection of 2010 base year survey data, Census, ACS augment, onboard transit, commercial vehicle, etc	2010 Census TAZ Delineation	Collection & development of 2013 networks		
4.4	Update of project prioritization and performance measures methodologies.	Re-specification of the the model TRM V6	Socio-economic and demographic data collection and forecasts		
4.5	Evaluate pros and cons for converting Fortran programs to Transcad GISDK scripts				
4.6	Analysis of b				
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	On-going bike and pedestrian advocacy
5.2	Update of the Comprehensive Pedestrian Plan	Update of the Comprehensive Bicycle Plan. Update of the Regional Bike Plan		Update of the Comprehensive Pedestrian Plan	Update of the Comprehensive Bicycle Plan. Update of the Regional Bike Plan

DCHC MPO 5-Year Unified Planning Work Program : July 1, 2010 to June 30, 2015

	1	2	3	4	5
FY	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Period	2010-11	2011-12	2012-13	2013-14	2014-15
	July 1, 2010-June 30, 2011	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015
5.3					
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) Triangle Transit and CHT	Transit Development Plan (TDP) DATA	Transit Development Plan (TDP) TTA		Transit Development Plan (TDP) CHT & TTA
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	Data collection & analysis for MPO CMS Update	Establishment of Area of application & reevaluation of definition of congestion		Establishment of Area of application & reevaluation of definition of congestion	
7.4	Update of CMP work plan	Transportation system definition (modes & networks)		Transportation system definition (modes & networks)	
7.5		Transportation system definition (modes & networks)		Transportation system definition (modes & networks)	
7.6		Data collection & analysis for MPO CMS Update		Data collection & analysis for MPO CMS Update	
7.7		Develop Performance monitoring Plan		Develop Performance monitoring Plan	
7.8		Identification and evaluation of strategies.		Identification and evaluation of strategies.	

DCHC MPO 5-Year Unified Planning Work Program : July 1, 2010 to June 30, 2015

	1	2	3	4	5
FY	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Period	2010-11	2011-12	2012-13	2013-14	2014-15
	July 1, 2010-June 30, 2011	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015
7.9		Action plan for monitoring effectiveness of strategies		Action plan for monitoring effectiveness of strategies	
7.10		Public comment and adoption of the MPO CMS		Public comment and adoption of the MPO CMS	
8	TIP	TIP	TIP	TIP	TIP
	Reconcile 2009-15 MTIP and STIP			Develop final draft 2013-2019 MTIP. TIP conformity determination	
	Federal Approval of conforming 2009-15 MTIP, Oct 1 2008	Reconcile 2011-17 MTIP and STIP		TAC Approves 2013-2019 MTIP	
	Update TIP ranking & project prioritization methodology as necessary	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
	Develop & submit TIP Project Priority List for 2011-2017 TIP	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		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		One-on-one discussion between the MPO and NCDOT
	Development 2011-2017 MTIP . Public input and comment process.		Development 2013-2019 MTIP . Public input and comment process.		Development 2015-2021 MTIP . Public input and comment process.

DCHC MPO 5-Year Unified Planning Work Program : July 1, 2010 to June 30, 2015

	1	2	3	4	5
FY	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Period	2010-11	2011-12	2012-13	2013-14	2014-15
	July 1, 2010-June 30, 2011	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015
	Process MTIP amendments as needed	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	Annual TIP project Listing
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 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

DCHC MPO 5-Year Unified Planning Work Program : July 1, 2010 to June 30, 2015

	1	2	3	4	5
FY	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Period	2010-11	2011-12	2012-13	2013-14	2014-15
	July 1, 2010-June 30, 2011	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015
	On-going MPO website update and content management	On-going MPO website update and content management	On-going MPO website update and content management	On-going MPO website update and content management	On-going MPO website update and content management
11	Project Development & Incidental Planning	Project Development & Incidental Planning	Project Development & Incidental Planning	Project Development & Incidental Planning	Project Development & Incidental Planning
	Participation in project development, environmental analysis, 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 NEPA study	Northern Durham Parkway/US 70 NEAP study	Northern Durham Parkway/US 70 NEAP study		
12	Land-use & Transportation integration	Land-use & Transportation integration	Land-use & Transportation integration	Land-use & Transportation integration	Land-use & Transportation integration
	MPO integrated land use model & integration with TRM				
	Monitoring of land use development and consistency check with SE forecasts	Monitoring of land use development and consistency check with SE forecasts	Monitoring of land use development and consistency check with SE forecasts	Monitoring of land use development and consistency check with SE forecasts	Monitoring of land use development and consistency check with SE forecasts
13	Intelligent Transportation System Planning	Intelligent Transportation System Planning	Intelligent Transportation System Planning	Intelligent Transportation System Planning	Intelligent Transportation System Planning
	Update of the ITS deployment Plan & Regional Architecture				
	ITS planning, operation and monitoring	ITS planning, operation and monitoring	ITS planning, operation and monitoring	ITS planning, operation and monitoring	ITS planning, operation and monitoring
14	Safety Planning	Safety Planning	Safety Planning	Safety Planning	Safety Planning

DCHC MPO 5-Year Unified Planning Work Program : July 1, 2010 to June 30, 2015

	1	2	3	4	5
FY	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Period	2010-11	2011-12	2012-13	2013-14	2014-15
	July 1, 2010-June 30, 2011	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015
	Develop MPO safety planning initiatives	Safety data collection and analysis, and coordination with other agencies.	Safety data collection and analysis, and coordination with other agencies.	Safety data collection and analysis, and coordination with other agencies.	Safety data collection and analysis, and coordination with other agencies.
	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process	Ongoing integration of safety in the MPO transportation planning process
15	Freight Planning	Freight Planning	Freight Planning	Freight Planning	Freight Planning
	Develop MPO freight plan and truck circulation map				
	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
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
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>

DCHC MPO 5-Year Unified Planning Work Program : July 1, 2010 to June 30, 2015

	1	2	3	4	5
FY	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
Period	2010-11	2011-12	2012-13	2013-14	2014-15
	July 1, 2010-June 30, 2011	July 1, 2011-June 30, 2012	July 1, 2012-June 30, 2013	July 1, 2013-June 30, 2014	July 1, 2014-June 30, 2015
	Maintain Databases; upgrade hardware and software as necessary	Maintain Databases	Maintain Databases	Acquire and Maintain Data; maintain hardware and software	Acquire and Maintain Data; maintain hardware and software
	Maintenance of MPO GIS and data layers	Maintenance of MPO GIS and data layers	Maintenance of MPO GIS and data layers	Maintenance of MPO GIS and data layers	Maintenance of MPO GIS and data layers
	Coordination with resource agencies and linkages of transportation data with environmental data	Coordination with resource agencies and linkages of transportation data with environmental data	Coordination with resource agencies and linkages of transportation data with environmental data	Coordination with resource agencies and linkages of transportation data with environmental data	Coordination with resource agencies and linkages of transportation data with environmental data
	Develop "Green Print" maps	<i>Update green print maps</i>	<i>Update green print maps</i>	<i>Update green print maps</i>	<i>Update green print maps</i>
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
	As Needed	As Needed	As Needed	As Needed	As Needed
	NC54/140/US 15-501 Sub-area study				

Appendices

Agency Project Descriptions
And
Funding Source Tables

**Durham-Chapel Hill-Carrboro Urban Area
FY 2010-2011 Unified Planning Work Program
Proposed Funding Source Tables**

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	4,725	18,900	0	0	0	0	0	0	0	0	4,725	-	18,900	23,625
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	825	3,300	0	0	0	0	0	0	0	0	825	-	3,300	4,125
5 Transit System Data	1,250	5,000	0	0	8,481	8,481	67,851	1,120	1,120	8,957	10,851	9,601	81,808	102,260
6 Dwelling Unit, Pop. & Emp. Change	3,750	15,000	3,313	13,250	0	0	0	0	0	0	7,063	-	28,250	35,313
7 Air Travel	125	500	325	1,300	0	0	0	0	0	0	450	-	1,800	2,250
8 Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	-	-	-	-
9 Travel Time Studies	10,960	43,838	2,325	9,300	0	0	0	0	0	0	13,285	-	53,138	66,423
10 Mapping	5,000	20,000	2,913	11,650	0	0	0	0	0	0	7,913	-	31,650	39,563
11 Central Area Parking Inventory	1,250	5,000	0	0	0	0	0	0	0	0	1,250	-	5,000	6,250
12 Bike & Ped. Facilities Inventory	1,000	4,000	0	0	0	0	0	0	0	0	1,000	-	4,000	5,000
13 Bike & Ped. Counts	4,650	18,600	0	0	0	0	0	0	0	0	4,650	-	18,600	23,250
II B Long Range Transp. Plan														
1 Collection of Base Year Data	9,000	36,000	0	0	0	0	0	0	0	0	9,000	-	36,000	45,000
2 Collection of Network Data	1,825	7,300	0	0	0	0	0	0	0	0	1,825	-	7,300	9,125
3 Travel Model Updates	46,610	186,440	5,000	20,000	0	0	0	0	0	0	51,610	-	206,440	258,050
4 Travel Surveys	0	0	0	0	1,200	1,200	9,600	0	0	0	1,200	1,200	9,600	12,000
5 Forecast of Data to Horizon year	3,550	14,200	1,178	4,710	0	0	0	0	0	0	4,728	-	18,910	23,638
6 Community Goals & Objectives	5,250	21,000	2,450	9,800	0	0	0	0	0	0	7,700	-	30,800	38,500
7 Forecast of Future Travel Patterns	0	0	250	1,000	0	0	0	0	0	0	250	-	1,000	1,250
8 Capacity Deficiency Analysis	2,450	9,800	0	0	0	0	0	0	0	0	2,450	-	9,800	12,250
9 Highway Element of th LRTP	250	1,000	0	0	0	0	0	0	0	0	250	-	1,000	1,250
10 Transit Element of the LRTP	250	1,000	0	0	0	0	0	811	811	6,486	1,061	811	7,486	9,358
11 Bicycle & Ped. Element of the LRTP	9,500	38,000	2,500	10,000	0	0	0	0	0	0	12,000	-	48,000	60,000
12 Airport/Air Travel Element of LRTP	0	0	0	0	0	0	0	0	0	0	-	-	-	-
13 Collector Street Element of LRTP	750	3,000	0	0	0	0	0	0	0	0	750	-	3,000	3,750
14 Rail, Water or other mode of LRTP	250	1,000	125	500	0	0	0	0	0	0	375	-	1,500	1,875
15 Freight Movement/Mobility Planning	3,500	14,000	1,100	4,400	0	0	0	0	0	0	4,600	-	18,400	23,000
16 Financial Planning	0	0	750	3,000	4,544	4,544	36,352	0	0	0	5,294	4,544	39,352	49,190
17 Congestion Management Strategies	15,500	62,000	2,693	10,770	0	0	0	1,616	1,616	12,928	19,809	1,616	85,698	107,123
18 Air Qual. Planning/Conformity Anal.	0	0	1,675	6,700	0	0	0	0	0	0	1,675	-	6,700	8,375
II C Short Range Transit Planning														
1 Short Range Transit Planning	0	0	0	0	0	0	0	0	0	0	-	-	-	-
III-A Planning Work Program	0	0	4,750	19,000	0	0	0	2,983	2,983	23,866	7,733	2,983	42,866	53,583
III-B Transp. Improvement Plan	0	0	8,513	34,050	0	0	0	239	239	1,912	8,752	239	35,962	44,953
III-C Cvl Rgts. Cmp./Otr. Reg. Reqs.														
1 Title VI	0	0	0	0	0	0	0	0	0	0	-	-	-	-
2 Environmental Justice	1,425	5,700	1,500	6,000	0	0	0	500	500	4,000	3,425	500	15,700	19,625
3 Minority Business Enterprise	0	0	0	0	0	0	0	0	0	0	-	-	-	-
4 Planning for the Elderly & Disabled	0	0	250	1,000	0	0	0	0	0	0	250	-	1,000	1,250
5 Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0	0	-	-	-	-
6 Public Involvement	5,850	23,400	3,325	13,300	0	0	0	5,271	5,271	42,165	14,446	5,271	78,865	98,581
7 Private Sector Participation	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	-	-	-	-
2 Enviro. Analysis & Pre-TIP Png.	1,500	6,000	2,000	8,000	0	0	0	0	0	0	3,500	-	14,000	17,500
3 Special Studies	107,314	429,257	1,225	4,900	0	0	0	0	0	0	108,539	-	434,157	542,696
4 Regional or Statewide Planning	5,000	20,000	250	1,000	0	0	0	0	0	0	5,250	-	21,000	26,250
III-E Management & Operations														
1 Management & Operations	27,978	111,910	18,686	74,742	0	0	0	25,794	25,794	206,351	72,457	25,794	393,003	491,254
Totals	\$281,286	\$1,125,145	\$67,093	\$268,372	\$14,225	\$14,225	\$113,803	\$38,333	\$38,333	\$306,665	\$400,938	\$52,559	\$1,813,985	\$2,267,481

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-A: Surveillance of Change

The MPO is required by federal regulations and the 3C process to perform continuous data monitoring and maintenance. A number of transportation and socio-economic/demographic conditions will be continuously surveyed and compiled annually to determine whether previous projections are still valid or whether plan assumptions need to be changed. Surveillance of Change tasks are described in the following sections and agency responsibilities are summarized. 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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-A-2: Vehicle Miles of Travel

The MPO will continue to tabulate VMT by functional classification and by county. As specified by the Long Range Transportation Plan (LRTP) Goals and Objectives, annual VMT growth will be established as a performance measure. The LPA will collect and summarized VMT data from the NCDOT universal file and HPMS. 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.

Objectives:

1. Monitor the growth of VMT in the metropolitan planning area;
2. To monitor traffic growth and provide continuous updates;
3. Evaluate trends of VMT; and
4. Perform analyses for TRM, special studies and LRTP

Previous Work:

1. VMT data monitoring in 2008
2. VMT analysis for the 2030 and 2035 LRTP and air quality analysis; and
3. VMT analyses for special studies.

Proposed Activities:

1. Collect VMT from NCDOT.
2. VMT analysis from the TRM
3. Summarize and tabulate VMT by county, area type and functional classification.
4. Develop historic trends of VMT in the DCHC metropolitan planning area
5. Prepare comparative analysis of VMT with model VMT results
6. Perform adjustments as necessary.

Products/Deliverables:

1. Summary reports of VMT information for the MPO Surveillance of Change Report.
2. VMT per capita
3. Evaluation VMT targets for the 2035 LRTP
4. VMT performance measures for the 2040 LRTP Goals, Objectives and Targets

Relationship to Other Plans and MPO Activities:

VMT data will be used in various stages of the CTP and the 20405 LRTP update. VMT data analyses and tabulation will be performed as part of the MPO Congestion Management Process (CMP). Also, VMT analysis is an essential validation data for the model update. This data will be used in air quality analysis and the MPO climate change Greenhouse Gas Emissions planning.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Completion Date:

June 2011

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

Tasks will largely be undertaken by LPA staff with the temporary staffing help.

Funding Commitments from Other Entities:

None.

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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 2010.

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

Tasks will be undertaken by LPA and municipal staff.

Funding Commitments from Other Entities:

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

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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), developing 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.

Objectives:

1. Maintain transit system data for MPO transit planning
2. Maintain update information for model update/validate, evaluation of JARC/New Freedom programs, MTIP project prioritization, etc
3. To evaluate and monitor transit services; and,
4. To fulfill FTA reporting requirements, (NTD or Section 15).

Previous Work:

1. The three transit systems continuously compile data and evaluate system performance.
2. 2009 Section 15 transit data.
3. Boarding and alighting counts
4. 2007 Transit system data for CMS and Mobility Report Card
5. Transit systems data for modeling enhancement and validation

Proposed Activities:

1. Create a short range transit services plan;
2. Develop new routes to serve cross-town and university travel demand;
3. Consolidate and develop bus stop standards;
4. Create reports on system performance by route; and,
5. Prepare reports to fulfill FTA requirements.
6. Maintain transit database and GIS information
7. Collect transit performance indicators.

Products/Deliverables:

1. Summary reports of transit system performance; and,
2. Reports to fulfill FTA requirements
3. MPO transit GIS layer
4. Surveillance of Change report

Relationship to Other Plans and MPO Activities:

Transit system data will be used to influence route changes and service expansions. Transit system data will also be used in the development of the Long Range Transportation Plan, Regional transit vision plan, and transit master plan.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Completion Date:

Transit system data will be compiled continuously. Reports for specific projects and initiatives will be created on an as-needed basis. Reports for the FTA will be completed to fulfill requirements and meet deadlines throughout the year.

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

Tasks will largely be undertaken by the MPO transit operators; Chapel Hill Transit (CHT), the Durham Area Transit Authority (DATA) and the Triangle Transit Authority (TTA). The LPA will tabulate and summarize data as well as maintain database information.

Funding Commitments from Other Entities:

This task is funded largely from transit Section 5303 and Section 5307 and partly from the STP-DA. Local matching funds are provided by the City of Durham, Town of Chapel Hill, Triangle Transit and the North Carolina Department of Transportation, Public Transportation Division (NCDOT-PTD)

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

Funding Commitments from Other Entities:

None.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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, 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 Congestion Management Process (CMP).

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

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)

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

Funding Commitments from Other Entities:

City of Durham and Durham County.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

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

Objectives:

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

Previous Work:

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

Proposed Activities:

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

Products/Deliverables:

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

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

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:

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

Previous Work:

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

Proposed Activities:

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

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

Funding Commitments from Other Entities:

None

Task II-A: 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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

The MPO will collect and estimate new socio-economic and demographic data for the 2010 base year. 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 on-going MPO data automation and a GIS warehouse. The warehouse 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, 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

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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;

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.
3. TRM version 6 efforts will commence but calibration and validation work will continue through subsequent years.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

Work will be 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.

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-4: Travel Surveys

The MPO transit agencies will conduct surveys of transit users. The MPO will provide its share of funding for the collection of 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 Service Bureau will be conducting analyses following travel surveys for the TRM update: (1) External station/external-internal trip; (2) transit onboard survey; (3) travel time/speed survey; (4) special generators (including universities) survey.

Objectives:

The MPO will participate in regional data collection for the Triangle Regional Model and other transportation planning purposes. The following surveys are proposed for 2010-2011:

1. Transit Survey;
2. Commercial vehicle/Freight survey
3. Parking survey; and,
4. Travel Time and Speed Survey.

Each of these surveys will produce vital information for calibrating the Triangle Regional Model and validating its performance, and provide some supplemental information for developing transit plans and for the Congestion Management Process (CMP).

Previous Work:

A major data collection effort was started in 2005 in order to support the Triangle Regional Model Major Update, and to improve the validation of the model that will be used for the 2035 LRTP analysis starting in fall 2006. A twelve-county household travel survey covering the Triangle and adjacent counties is underway in spring 2006, and a transit boarding and alighting survey was conducted for all regional transit agencies in fall 2005. In addition, NCDOT has performed special counts at approximately 400 additional locations in the Triangle along with their regular biennial traffic counts.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Proposed Activities:

The Transit On-Board survey will collect complete information on origins, destinations and travel path for a statistically significant number of trips on every transit route in the triangle (approximately 7000 trip records). In addition, transit operators will collect ridership and service characteristic information to help improve transit services. The Travel Time and Speed Survey will comprehensively assess travel speed characteristics on different roadway facility types, free-flow and congested travel times between important destinations and along significant travel corridors, and bus speeds and travel times in relation to traffic congestion. The Travel Time and Speed Survey is important for trustworthy future forecasts since it will provide data about how travelers in the Triangle area respond to changes in levels of congestion, as well as providing data about speeds and travel times that are used in calibrating the model.

Products/Deliverables:

1. Transit onboard surveys for DATA, Chapel Hill Transit, Duke University, and the TTA.
2. Report of survey statistical and modeling analyses and summarization.
3. Commercial vehicle survey tabulation and summary statistics
4. Travel time summary statistics

Relationship to Other Plans and MPO Activities:

These surveys provide some of the fundamental ground counts necessary to ensure that the Triangle Regional Model performs correctly, both in reproducing observed travel patterns and in forecasting future activity. Survey data will provide valuable information for transit planning, MPO CMP, LRTP MTIP prioritization, etc

Completion Date:

These surveys will be complete by spring 2011.

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

Consulting/temporary Staffing and MPO technical staff time –All work collecting and collating data for these surveys will be undertaken by

Funding Commitments from Other Entities:

Each of the four TRM stakeholders (DCHC MPO, CAMPO, NCDOT, and TTA) is participating at various levels in these surveys.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

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

Objectives:

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

Previous Work:

1. Work has been ongoing by LPA staff, staff at DCHC MPO member agencies, and others throughout 2008-2009 to develop a consistent regional methodology for constructing future year land use and socio-economic forecasts; and,
2. Preliminary forecasts were finalized in early summer 2007

Proposed Activities:

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

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.

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

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;

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

- 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 2010-2011.

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

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

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Proposed Activities:

- Run Triangle Regional Model and other modeling tools to develop forecasts of travel deficiencies (summary tables, maps, etc.):
- a. Develop model setups as required for deficiency analysis (existing+committed network with future year socio-economic data); and,
 - b. 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 2010-2011

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

Work on this project will be completed by LPA staff.

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

Funding Commitments from Other Entities:

None.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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 2010.

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.

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

Funding Commitments from Other Entities:

None

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

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

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

3. Carolina Metropolitan Coalition (League of Municipalities), and Regional Transportation Alliance; and,
4. Investigate technical aspects of potential funding sources such as taxing strategies, impact fees and private/public partnerships.

Products/Deliverables:

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

Relationship to Other Plans and MPO Activities

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

Completion Date:

These tasks will be ongoing.

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

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

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Objectives:

Update MPO CMP, including CMP work plan, strategies, congestion mitigation measures and monitoring system
 Implementation and monitoring of TDM program and MPO TDM hot spots
 Development of a multi MPO modal Congestion Plan
 Linkage of CMP with LRTP; and,
 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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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 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 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 2010-2011;
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).

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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 2010-2011 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.

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

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

Funding Commitments from Other Entities:

None

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

Funding Commitments from Other Entities:

None.

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

The MPO will emphasize planning and provision of transportation facilities and services for the elderly and disabled, especially in the development of the 2035 Long Range Transportation Plan (LRTP). The MPO will update inventory of locations and needs of elderly and disabled persons and ensure that the proposed highway, transit and pedestrian plans integrate this information in the planning process.

Objectives:

To ensure that the elderly and disabled population is not adversely affected by transportation projects and policies; are treated equitably in the provision of transportation services and projects; and are provided full opportunity for participation in MPO transportation planning and decision-making process.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Previous Work:

Demographic profiles based on 2010 Census; and,
 Maps to identify areas of elderly and disabled population in relationship to services and other destinations;
 Local transit and pedestrian plans that have integrated the elderly and disabled population into the planning process; and,
 Transit operator plans and grant applications.

Proposed Activities:

1. Update demographic profiles and define target areas based on 2000 Census and MPO 2010 base year data;
2. Provide increased opportunities for under-served populations to be represented in the transportation planning process; and,
3. Integrate this data into the 2040 LRTP planning process and transit operator plans.

Products/Deliverables:

Updated maps utilizing information from the 2010 Census and 2010 base year data;
 Increased involvement of the elderly and disabled population;
 Specific tasks in the 2040 LRTP that address the needs of the elderly and disabled; and,
 Major tasks in the transit plans and grant applications of the local and regional transit operators that specifically address the service needs of the elderly and disabled.

Relationship to Other Plans and MPO Activities:

The needs of the elderly and disabled will be addressed in all MPO planning activities involving public outreach and service and project planning.

Completion Date:

All the transit and MPO planning efforts will contain an element addressing the needs of the elderly and disabled.

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

Tasks will be undertaken by LPA staff and transit operators.

Funding Commitments from Other Entities:

None.

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

Products/Deliverables:

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

Relationship to Other Plans and MPO Activities:

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

Completion Date:

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

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

Tasks will be undertaken by LPA and municipal staff.

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:

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

Previous Work:

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

Proposed Activities:

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

Products/Deliverables:

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

Relationship to Other Plans and MPO Activities:

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

**CITY OF DURHAM/LPA
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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.

Funding Commitments from Other Entities:

None.

**CITY OF DURHAM – DURHAM AREA TRANSIT AUTHORITY (DATA)
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-A5: Transit System DATA

DATA will continue to conduct on-going FTA-required data collection and analysis for the fixed route and Paratransit systems. The data collection will include system-wide surveys and daily ridership counts by route for compilation into monthly ridership summaries to be reported to NCDOT and to the NTD. Also, one month during fall, ridership data will be collected by route and segregated by peak and off peak and average weekend counts for the purpose of LRTP update.

Objectives:

1. To collect daily ridership information, analyze and if necessary amend service in line with established service and route performance standards to ensure service effectiveness and efficiency.
2. To provide service reports to the DATA Board of Trustees, NCDOT, and to the MPO for LRTP support.

Previous Work:

This service continues to be performed on daily, monthly and an annual basis for reporting to the FTA via the NTD, also to the DATA Board of Trustees and to NCDOT (PTD). Information is used internally to monitor and amend services on an ongoing basis.

Proposed Activities:

1. Collect daily ridership count using farebox counts and also Automatic Passenger Counters (APC).
2. Compile daily ridership counts into monthly ridership reports for detailed analysis
3. Provide compiled ridership information to the DATA Board of Trustees, the FTA and the NCDOT, the MPO for LRTP update
4. Make necessary route and service changes to promote service efficiency and effectiveness.

Products:

1. Daily Ridership summaries
2. Monthly ridership summaries for in-house review
3. FTA monthly ridership report including annual NTD reports
4. Monthly Board of Trustees and NCDOT reports
5. Short Range Transportation Plan

Relationship to Other Plans and MPO Activities:

Long Range Transportation Plan –Transit Element

**CITY OF DURHAM – DURHAM AREA TRANSIT AUTHORITY (DATA)
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Completion Date:

The expected completion date for this project is June 30, 2011.

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will be performed by existing DATA staff

Funding Commitments from Other Entities:

The City of Durham and NCDOT (public Transportation Division) will each provide a 10% match to the federal 80% portion of the grant fund.

Task II-B: Travel Surveys (LRTP Project)

DATA will work with the DCHC-MPO to conduct Transit Surveys related to the MPO's LRTP-Transit information update. The survey will comprise of Boarding and Alighting counts at designated stops and route segments. It will also include on-board passenger attitudinal surveys during AM Peak and PM peak periods for a period of one month during fall. The data collected will be compiled and reported to the Lead Planning agency for further analysis and finally for inclusion in the DCHC MPO's Long Range Transportation Plan.

Objectives:

1. To collect daily (AM and PM Peak) ridership information by route and at the stop level as required by the LRTP data analysis process.
2. To conduct passenger onboard survey and compile survey report for inclusion in the LRTP update.

Previous Work:

DATA has in the past provided on-going transit data collection and compilation reports to the MPO for inclusion in the Transit Element portion of the LRTP document.

Proposed Activities:

1. Collect daily ridership counts using surveyors and farebox Automatic Passenger Counters
2. Compile daily ridership counts into monthly reports for detailed analysis
3. Provide compiled ridership information to the MPO for LRTP update
4. Use surveyors to conduct on-board passenger counts showing trip origins and destinations

**CITY OF DURHAM – DURHAM AREA TRANSIT AUTHORITY (DATA)
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Products:

1. Daily (AM & PM peak) Ridership summaries
2. Monthly ridership summaries
3. Daily on-board counts including summaries of trip characteristics
4. Short Range Transportation Plan Updates

Relationship to Other Plans and MPO Activities:

Long Range Transportation Plan –Transit Element

Completion Date:

The expected completion date for this project is June 30, 2011.

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will be performed by existing DATA staff and hired surveyors

Funding Commitments from Other Entities:

The City of Durham and NCDOT (public Transportation Division) will each provide a 10% match to the federal 80% portion of the grant fund.

Task II-B-16: Financial Planning

DATA staff will prepare and monitor fiscal programs for the City of Durham, the FTA, and the State of North Carolina to ensure compliance with pertinent financial procedures as established by the FTA and State of North Carolina and the City of Durham's accounting, purchasing and finance departments.

Objectives:

1. To monitor the monthly expenditure reports for all budget sections for appropriations, discrepancies and encumbrances by journal entry.
2. Prepare and submit monthly grant reports to the FTA, and appropriate City and State Departments
3. Prepare and monitor contracts that are for the transit authority.
4. Maintain and monitor all transit program funds
5. Setup and monitor project accounts as requested or needed

Previous Work:

On-going by transit staff

**CITY OF DURHAM – DURHAM AREA TRANSIT AUTHORITY (DATA)
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Proposed Activities:

1. Prepare quarterly and end of year reports for federal funds
2. Prepare revenue and expenditure estimates for the transit program's annual budget
3. Ensure compliance with all financial programs and procedures established by the FTA, the City and the State
4. Reviews and signs requisitions, purchase orders, receiving reports, and make appropriate transfers
5. Setup and monitor new and existing accounts when ns requested

Products:

1. Monthly grant reports to FTA
2. Quarterly grant and project reports to the FTA, MPO and the State
3. Signed requisitions and purchase orders
4. Annual financial statements as required by the NTD financial reporting procedure
5. Established project accounts and annual budgets
6. Monthly invoices, expenditures reconciliation
7. Contracts signed by the transit authority

Relationship to Other Plans and MPO Activities:

Establish financial and accounting procedures for projects and grants that have MPO oversight

Completion Date:

The expected completion date for this project is June 30, 2011.

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will be performed by existing DATA staff and hired surveyors

Funding Commitments from Other Entities:

The City of Durham and NCDOT (public Transportation Division) will each provide a 10% match to the federal 80% portion of the grant fund.

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	City of Durham
2- FTA Code	442400
3- Task Code	II-A-5
4- Title	<i>Transit System Data</i>
5- Task Objective	To conduct FTA required passenger counts. Continue to conduct system-wide surveys and studies including daily ridership count by route for one month during the fall of 2010, data segregated by peak and off peak and average weekend count for the purpose of service improvement, and LRTP update
6- Tangible Product Expected	Daily Ridership by route, by Peak and off-peak in GIS spatial data format, route recommendation report.
7- Expected Completion Date of Products	Jun-2011
8- Previous Work	FTA passenger counts are required every 3 years. This data will be collected for 2008.
9- Prior FTA Funds (2010)	(5303) \$67,851, (5307) \$8,957
10- Relationship	Data retrieved is used to disseminate performance information to the Board under task III-E
11- Agency	City of Durham, Transportation Department
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303-FY11 Local 10%	\$ 8,431
17- Section 5303-FY11 NCDOT 10%	\$ 8,431
18- Section 5303-FY11 FTA 80%	\$ 67,851
19- Section 5307 Transit - Local 10%	\$ 1,120
20- Section 5307 Transit - NCDOT 10%	\$ 1,120
21- Section 5307 Transit - FTA 80%	\$ 8,957
22- Additional Funds - Local 100%	

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	City of Durham
2- FTA Code	442301
3- Task Code	II-B-4
4- Title	<i>Travel Surveys</i>
5- Task Objective	Transit survey (Boarding and Alighting .On-Board Surveys). Input at the TCC level on matters related to the transit element of the LRTP.
6- Tangible Product Expected	Transit on-board and transit boarding and alighting survey results. Boarding and alighting by route (one day sample of each route) tabulated in GIS spatial format.
7- Expected Completion Date of Products	Jun-2011
8- Previous Work	O- board surveys conducted on regular basis.
9- Prior FTA Funds	\$7,682
10- Relationship	
11- Agency	City of Durham, Transportation Department
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307-FY 11 Transit - Local 10%	\$ 1,200
20- Section 5307-FY11 Transit - NCDOT 10%	\$ 1,200
21- Section 5307-FY11 Transit - FTA 80%	\$ 9,600

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	City of Durham
2- FTA Code	442100
3- Task Code	II-B-10
4- Title	<i>Transit Element of the LRTP</i>
5- Task Objective	To provide needed Transit support for the MPO's LRTP updates
6- Tangible Product Expected	Annual Planning Work program outline and costs associated with them.
7- Expected Completion Date of Products	June-2011
8- Previous Work	2009-10 Planning Work Program.
9- Prior (2010) FTA Funds	\$6,486
10- Relationship	The Planning Work Program is intended to support various MPO planning efforts toward the update of the LRTP
11- Agency	City of Durham, Transportation Department
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 Transit (2011) - Local 10%	\$ 811
20- Section 5307 Transit (2011) - NCDOT 10%	\$ 811
21- Section 5307 Transit (2011) -FTA 80%	\$ 6,486
22- Additional Funds - Local 100%	

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	City of Durham
2- FTA Code	442400
3- Task Code	II-B-16
4- Title	<i>Financial Planning</i>
5- Task Objective	To prepare and monitor fiscal programs for the City the FTA and the State of North Carolina and ensuring compliance with all financial procedures as well as monitor contracts , grants and invoices
6- Tangible Product Expected	Quarterly and annual financial reports, reports on processed invoices and purchase orders as well as contract payments.
7- Expected Completion Date of Products	June-2011
8- Previous Work	None
9- Prior FTA Funds	None
10- Relationship	
11- Agency	City of Durham, Transportation Department
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303-FY11 Local 10%	\$ 4,544
17- Section 5303-FY11 NCDOT 10%	\$ 4,544
18- Section 5303-FY11FTA 80%	\$ 36,352
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	City of Durham
2- FTA Code	442500
3- Task Code	II-B-17
4- Title	<i>Congestion Management</i>
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	June-2011
8- Previous Work	Short Range Transportation Development Plan.
9- Prior(2010) FTA Funds	\$12,928
10- Relationship	These activities support local MPO transportation planning effort.
11- Agency	City of Durham, Transportation Department
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307(2011) Transit - Local 10%	\$ 1,616
20- Section 5307(2011) Transit - NCDOT 10%	\$ 1,616
21- Section 5307(2011) Transit - FTA 80%	\$12,928
22- Additional Funds - Local 100%	

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	City of Durham
2- FTA Code	442500
3- Task Code	III-A
4- Title	<i>Planning Work Program</i>
5- Task Objective	To identify task areas and staff hours needed to complete each task.
6- Tangible Product Expected	Annual Planning Work Program outline and costs associated with them
7- Expected Completion Date of Products	June-2011
8- Previous Work	Planning Work Program.
9- Prior (2010) FTA Funds	\$23,866
10- Relationship	The MPO Work Program is intended to support various planning efforts throughout the City of Durham's Transit System.
11- Agency	City of Durham, Transportation Department
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307(2011) Transit - Local 10%	\$ 2,983
20- Section 5307(2011) Transit - NCDOT 10%	\$ 2,983
21- Section 5307(2011) Transit - FTA 80%	\$ 23,866
22- Additional Funds - Local 100%	

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	City of Durham
2- FTA Code	442500
3- Task Code	III-B
4- Title	<i>Transportation Improvement</i>
5- Task Objective	To continue the program of developing plans for improving transit service and transportation in general locally.
6- Tangible Product Expected	More efficient plans for improving service and routes locally
7- Expected Completion Date of Products	June-2011
8- Previous Work	Short Range Transportation Development Plan.
9- Prior (2010) FTA Funds	\$1,912
10- Relationship	These activities support local MPO transportation planning effort.
11- Agency	City of Durham, Transportation Department
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 FY11 Transit - Local 10%	\$ 239
20- Section 5307 FY11 Transit - NCDOT 10%	\$ 239
21- Section 5307 FY11 Transit - FTA 80%	\$ 1,912
22- Additional Funds - Local 100%	

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	City of Durham
2- FTA Code	442500
3- Task Code	III-C-2
4- Title	<i>Environmental Justice (EJ)</i>
5- Task Objective	To assist the MPO in its transportation outreach to Minorities and those with Limited English Proficiency by updating existing EJ mailing list and providing transit-related data.
6- Tangible Product Expected	Work plan and transit related EJ data
7- Expected Completion Date of Products	June-2011
8- Previous Work	Transportation Improvement Program.
9- Prior (2010) FTA Funds	None
10- Relationship	These activities support local MPO transportation planning effort.
11- Agency	City of Durham, Transportation Department
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 FY11 Transit - Local 10%	\$ 500
20- Section 5307 FY11 Transit - NCDOT 10%	\$ 500
21- Section 5307 FY11 Transit - FTA 80%	\$ 4,000
22- Additional Funds - Local 100%	

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	City of Durham
2- FTA Code	442100
3- Task Code	III-C-6
4- Title	<i>Public Involvement</i>
5- Task Objective	To seek out untapped ridership through aggressive marketing tactics. Conduct market surveys and seek new advertising mediums.
6- Tangible Product Expected	Positive customer view of the transit system and increased ridership from nontraditional users.
7- Expected Completion Date of Products	June-2011
8- Previous Work	Significant marketing efforts have been undertaken to improve service and the dissemination of information to the public.
9- Prior FTA Funds	\$42,165
10- Relationship	This information is used in conjunction with Task III-A.
11- Agency	City of Durham, Public Works Department (Transportation)
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 FY11 Transit - Local 10%	\$ 5,271
20- Section 5307 FY11Transit - NCDOT 10%	\$ 5,271
21- Section 5307 FY11 Transit - FTA 80%	\$ 42,165
22- Additional Funds - Local 100%	

**DURHAM AREA TRANSIT AUTHORITY (DATA)
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	City of Durham
2- FTA Code	442100
3- Task Code	III-E
4- Title	<i>Management and Operations</i>
5- Task Objective	To prepare all required reports, to attend technical meetings and to continue oversight of the Transit operation.
6- Tangible Product Expected	To remain in compliance with all reporting requirements, to ensure the efficient operation of the transit system and to ensure that public funds are spent in a responsible manner.
7- Expected Completion Date of Products	June-2011
8- Previous Work	Creation of internal procedures to monitor and report transit data and new procedures to monitor financial operations.
9- Prior FTA Funds	\$206,351
10- Relationship	Data retrieved from Transit System Data task II-A-5 also relevant to this task.
11- Agency	City of Durham, Public Works Department (Transportation)
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 FY11 Transit - Local 10%	\$ 25,794
20- Section 5307 FY11 Transit - NCDOT 10%	\$ 25,794
21- Section 5307 FY11 Transit - FTA 80%	\$ 206,351
22- Additional Funds - Local 100%	

CITY OF DURHAM Anticipated DBE Contracting Opportunities for FY11

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.

Town of Carrboro

Durham-Chapel Hill-Carrboro Urban Area
 FY 2010-2011 Unified Planning Work Program
 Proposed Funding Source Tables

	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 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%					
II-A	Surveillance of Change															
1	Traffic Volume Counts	0	0	90	360							90	-	360	450	
2	Vehicle Miles of Travel	0	0	0	0							-	-	-	-	
3	Street System Changes	0	0	0	0							-	-	-	-	
4	Traffic Accidents	0	0	48	192							48	-	192	240	
5	Transit System Data	0	0	0	0				0	0		-	-	-	-	
6	Dwelling Unit, Pop. & Emp. Change	0	0	0	0							-	-	-	-	
7	Air Travel	0	0	0	0							-	-	-	-	
8	Vehicle Occupancy Rates	0	0	0	0							-	-	-	-	
9	Travel Time Studies	0	0	60	240							60	-	240	300	
10	Mapping	0	0	214	856							214	-	856	1,070	
11	Central Area Parking Inventory	0	0	0	0							-	-	-	-	
12	Bike & Ped. Facilities Inventory	0	0	48	192							48	-	192	240	
13	Bike & Ped. Counts	0	0	240	960							240	-	960	1,200	
II-B	Long Range Transp. Plan															
1	Collection of Base Year Data	0	0	206	824							206	-	824	1,030	
2	Collection of Network Data	0	0	210	840							210	-	840	1,050	
3	Travel Model Updates	0	0	0	0							-	-	-	-	
4	Travel Surveys	0	0	0	0							-	-	-	-	
5	Forecast of Data to Horizon year	0	0	74	296							74	-	296	370	
6	Community Goals & Objectives	0	0	48	192				0	0	0	48	-	192	240	
7	Forecast of Future Travel Patterns	0	0	0	0							-	-	-	-	
8	Capacity Deficiency Analysis	0	0	0	0							-	-	-	-	
9	Highway Element of th LRTP	0	0	0	0							-	-	-	-	
10	Transit Element of the LRTP	0	0	0	0							-	-	-	-	
11	Bicycle & Ped. Element of the LRTP	0	0	0	0							-	-	-	-	
12	Airport/Air Travel Element of LRTP	0	0	0	0							-	-	-	-	
13	Collector Street Element of LRTP	0	0	0	0							-	-	-	-	
14	Rail, Water or other mode of LRTP	0	0	0	0							-	-	-	-	
15	Freight Movement/Mobility Planning	0	0	0	0							-	-	-	-	
16	Financial Planning	0	0	0	0							-	-	-	-	
17	Congestion Management Strategies	0	0	240	960							240	-	960	1,200	
18	Air Qual. Planning/Conformity Anal.	0	0	0	0							-	-	-	-	
II-C	Short Range Transit Planning															
1	Short Range Transit Planning	0	0	210	840							210	-	840	1,050	
III-A	Planning Work Program															
		0	0	268	1,072							268	-	1,072	1,340	
III-B	Transp. Improvement Plan															
		0	0	0	0							-	-	-	-	
III-C	Cvl Rgts. Cmp/Otr .Reg. Reqs.															
1	Title VI	0	0	0	0							-	-	-	-	
2	Environmental Justice	0	0	150	600							150	-	600	750	
3	Minority Business Enterprise	0	0	0	0							-	-	-	-	
4	Planning for the Elderly & Disabled	0	0	60	240				0	0	0	60	-	240	300	
5	Safety/Drug Control Planning	0	0	0	0							-	-	-	-	
6	Public Involvement	0	0	496	1,984							496	-	1,984	2,480	
7	Private Sector Participation	0	0	0	0							-	-	-	-	
III-D	Incidental Png./Project Dev.															
1	Transportation Enhancement Png.	0	0	0	0			0	0			-	-	-	-	
2	Enviro. Analysis & Pre-TIP Png.	0	0	90	360							90	-	360	450	
3	Special Studies	0	0	718	2,872							718	-	2,872	3,590	
4	Regional or Statewide Planning	0	0	0	0							-	-	-	-	
III-E	Management & Operations															
1	Management & Operations	0	0	2,206	8,824	0	0	0	0	0	0	2,206	-	8,824	11,030	
Totals		\$0	\$0	\$5,676	\$22,704	\$0	\$0	\$0	\$0	\$0	\$0	\$5,676	\$0	\$22,704	\$28,380	

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2010 UPWP**

Task 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 System and the Triangle Regional Model update. The Town will also conduct additional traffic counts, as needed, specifically for the CMS and TRM update.

Objectives

1. To provide necessary local traffic data for the CMS
2. To provide necessary local traffic data for the TRM update

Previous work

The Town has conducted traffic counts for fulfilling a variety of local planning purposes, such as evaluating traffic calming solutions. 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 the Town's pneumatic tube counters.
2. Provide data collected through other planning processes (e.g. traffic impact assessments) to the MPO as needed.

Products

1. Traffic volume data from 2010 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: 15 hours

	Local	FHWA	Total
Traffic counts	\$90	\$360	\$450

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2010 UPWP**

Task 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

1. Provide local accident data for the CMS.

Previous work

The 2005 Mobility Report Card collected data on pedestrian and bicyclist safety. The 2009 Comprehensive Bicycle Transportation Plan includes data on bicycle crashes from the NCDOT Traffic Safety Unit.

Proposed activities

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

Products

1. Up-to-date traffic accident data.

Relationship to other plans and MPO activities

Accident data may be relevant for the MPO Safety and Security Plan when it is underway.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 8 hours

	Local	FHWA	Total
Traffic accidents	\$48	\$192	\$240

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2010 UPWP**

Task II-A-9. Travel Time Studies

The Town will contribute to travel time studies on selected links to contribute information to the CMS and TRM update. Where the Town has conducted local travel time estimates relevant to MPO activities, the Town will share that information as needed.

Objectives

1. To contribute to travel time estimates for the CMS and TRM update.
2. Share results of local travel time estimates with the MPO as needed.

Previous work

Previous LRTP processes have included travel time surveys that collected data to input into the TRM. Locally, the Town has analyzed travel time on selected corridors through two Mobility Report Cards in 2003 and 2005.

Proposed activities

1. Travel time studies (conducted by the MPO)
2. Submission of local travel time estimates through GIS Network Analyst if needed for MPO planning processes.

Products

1. Funding for regional travel time studies for the CMS and TRM update.
2. As needed, local travel time data relevant to MPO activities

Relationship to other plans and MPO activities

Travel time data will be available as needed for other MPO activities.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 10 hours

	Local	FHWA	Total
Traffic accidents	\$60	\$240	\$300

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2010 UPWP**

Task II-A-10. Mapping

The Town's GIS specialist, along with other planning staff, will assist in developing base maps, GIS layers, and databases that are an integral part of the 2040 LRTP analysis and public display. They will provide, as needed, GIS layers for highway, transit, bike, and pedestrian networks as well as parcel and zonal spatial information.

Objectives

1. To provide GIS data as needed for the 2040 LRTP planning process and the GIS Warehouse Integration and Automation project.
2. To maintain and update transportation-related GIS data for the Town

Previous work

Throughout the year the Town's GIS specialist updates the transportation layers and shape files as new developments are built, modifications to the existing network are made, and plan for the transportation network progress. The Town has contributed to the GIS Warehouse/Integration and Automation project.

Proposed activities

1. GIS data updates on an as-needed basis

Products

1. Up-to-date GIS data

Relationship to other plans and MPO activities

Local GIS data will be submitted as needed for both the 2040 LRTP and GIS Warehouse projects.

Proposed budget and level of effort

Tasks will primarily be completed by the Town's GIS specialist, coordinating with the Town's transportation planner, with possible contributions by other planning staff.

Local staff hours: 30 hours

	Local	FHWA	Total
Mapping	\$214	\$856	\$1,070

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-A-12. Bike and Ped Facilities Inventory

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

Objectives

1. 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.

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. This should make it relatively straightforward to provide the MPO with accurate data on these facilities.

Proposed activities

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

Products

2. Bike-ped facility 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. It would also be an essential element of a Comprehensive Bicycle/Pedestrian Plan for the MPO. 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

	Local	FHWA	Total
Bike and Ped Facilities Inventory	\$48	\$192	\$240

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-A-13. Bike and Ped 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

1. 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 traffic.

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.

Proposed activities

1. Submit bicycle and pedestrian traffic data and GIS mapping to the MPO.
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. It would also be an essential element of a Comprehensive Bicycle/Pedestrian Plan for the MPO. 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: 40 hours

	Local	FHWA	Total
Bike and Ped Counts	\$240	\$960	\$1,200

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

The Town will update local base year data and collect any additional data as needed for the 2040 LRTP process.

Objectives

1. To provide up-to-date base year data for the 2040 LRTP process.

Previous Work

This project was included in the 2009-2010 UPWP and is ongoing.

Proposed Activities

1. Update and quality checking of 2005 Base Year calibration data (dwelling units, employment by categories, income, etc).
2. Update, error checking, and verification of 2010 InfoUSA employment and Geocoder
3. Tabulation and quality check of 2010 Validation Year SE data

Products

Updated socioeconomic and demographic data for estimating TAZ-level trip generation and attraction, including population; dwelling units; households; employment by type (number of jobs and establishments); and median income.

Relationship to other plans and MPO activities

Data may be linked with the GIS integration/automation project, the land use model, the non-motorized component of the TRM, and other activities.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 30 hours

	Local	FHWA	Total
Collection of Base Year Data	\$206	\$824	\$1,030

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-B-2. Collection of Network Data

The Town will provide local capacity information on bicycle and pedestrian facilities and highways for the 2040 LRTP.

Objectives

1. To provide up-to-date network data for the 2040 LRTP process.

Previous work

This project was included in the 2009-2010 UPWP and is ongoing.

Proposed activities

1. Highway network update – include GIS layers and database update of base year, validation year and alternative scenarios.
2. Bicycle and sidewalk networks – include GIS layers and database update of base year, vision and horizon year.

Products

1. Updated bicycle and pedestrian and highway network data as needed.

Relationship to other plans and MPO activities

Data may be linked with the GIS integration/automation project, the land use model, the non-motorized component of the TRM, and other activities.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 35 hours

	Local	FHWA	Total
Collection of Network Data	\$210	\$840	\$1,050

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

The Town will contribute to preparatory work at the MPO level on forecasting and scenario planning.

Objectives

1. To prepare for 2040 LRTP forecasting of travel demand.
2. To ensure that forecasts are consistent with local land use plans and zoning

Previous work

Forecasts have been conducted as an essential part of 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 with socioeconomic and demographic data for the horizon year (2040)

Relationship to other plans and MPO activities

Builds on other LRTP-related tasks, such as base year and network data collection.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 10 hours

	Local	FHWA	Total
Forecast of Data to Horizon Year	\$74	\$296	\$370

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-B-6. Community Goals

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

1. 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.

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

Community goals, objectives, and targets are especially relevant to the LRTP, but should be considered in all MPO activities.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 8 hours

	Local	FHWA	Total
Community Goals	\$48	\$192	\$240

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-B-17. Congestion Management Strategies

The MPO will develop a work plan and data collection strategies for the MPO-wide CMS. The Town will contribute funding as needed for moving this process forward. The Town will also continue to promote TDM strategies and collaborate with Chapel Hill on joint TDM projects.

Objectives

1. To participate in MPO CMS activities.
2. To continue to promote TDM as a congestion management strategy and collaborate with Chapel Hill and the region on TDM.

Previous work

The CMS project has been ongoing. Carrboro has partnered in the past with Chapel Hill and regional groups to hold TDM events.

Proposed activities

1. Contribute to MPO CMS meetings
2. Participate in regional TDM events, such as the SmartCommute challenge and Bike to Work Week.
3. Conduct additional outreach to local business owners regarding TDM.
4. Assess the feasibility of holding carfree periods on selected streets on a regular basis.

Products

1. TDM events.
2. Data and input from local businesses.

Relationship to other plans and MPO activities

Congestion management is an important element in the LRTP process. Connections to local planning processes include the Safe Routes to School Action plan and associated Walk to School Days.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 40 hours

	Local	FHWA	Total
Congestion Management Strategies	\$240	\$960	\$1,200

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

The Town will participate in short-range transit planning for the Carrboro-Chapel Hill area. Through the Transit Partners Committee, the Town will provide input on the Chapel Hill Transit Short Range Transit Plan. The Town will collaborate with Triangle Transit where necessary and with the Town of Chapel Hill in coordinating the annual Transit Forum.

Objectives

1. To ensure that Carrboro's transit interests are represented in Chapel Hill Transit planning, capital investment, and operations.
2. To continue to work with Chapel Hill Transit on new initiatives, short range planning, and troubleshooting.

Previous work

Carrboro staff attends the monthly meetings for Chapel Hill Transit as well as other local transit meetings as needed. Carrboro staff works with Chapel Hill Transit staff to address Carrboro transit riders' interests. In late 2009/early 2010, Carrboro and Chapel Hill held concurrent public review processes for the 2035 Long Range Transit Plan. In 2008, Carrboro hosted the annual transit forum.

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.
3. Participate in the development of the Short Range Transit Plan.

Products

N/A

Relationship to other plans and MPO activities

Data collected during the short range transit planning process may inform the 2040 LRTP.

Proposed budget and level of effort:

All work to be completed by Transportation Planner.

Local staff hours: 35 hours

	Local	FHWA	Total
Short Range Transit Planning	\$210	\$840	\$1,050

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task III-A. Planning Work Program

The Town will administer the FY 2010-2011 UPWP and prepare and process amendments as needed. It will evaluate transportation planning work needed and emphasis areas and prepare the FY 2011-2012 UPWP.

Objectives

1. To implement Carrboro's 2010-2011 UPWP activities
2. To be ready for amendments to the UPWP if necessary
3. To submit the 2011-2012 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 2010-2011 UPWP
2. Prepare Carrboro's 2011-2012 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

The UPWP is a way to plan the amount and nature of work to be undertaken for various planning tasks and track progress toward achieving planning goals.

Proposed budget and level of effort

All work to be completed by Transportation Planner.

Local staff hours: 45 hours

	Local	FHWA	Total
Planning Work Program	\$268	\$1,072	\$1,340

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task III-C-2. Environmental Justice (EJ) and Limited English Proficiency

The Town will conduct outreach to disadvantaged groups and residents with limited English proficiency. It will update demographic data as needed so that up-to-date information can inform planning processes.

Objectives

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 decisions
3. Assure that low-income and minority groups receive a proportionate share of benefits resulting from transportation decisions made by the MPO
4. Support progress toward the development of a regional Environmental Justice Plan.

Previous work

The Town has incorporated environmental justice principles into recent and ongoing planning processes. For example, development of the Town's Comprehensive Bicycle Transportation Plan included translated public workshop advertising materials.

Proposed activities

1. Ensure that environmental justice principles inform any planning process related to disadvantaged or limited-English-proficiency citizens.
2. Provide demographic data necessary for MPO-level environmental justice activities.
3. Conduct a public input process via one or more community meetings with predominantly lower-income, minority residents near Estes Dr. Ext. to gauge their ideas for improved bicycle and pedestrian access to important destinations.
4. Continue planning process

Products

1. Demographic data as needed for MPO-level environmental justice activities
2. Recommendations to local elected officials for access improvements for predominantly lower-income, minority residents near Estes Dr. Ext.

Relationship to other plans and MPO activities

Environmental justice should be considered in all activities that are deemed to have a potential effect on disadvantaged/minority communities.

Proposed budget and level of effort

Tasks will primarily be completed by the Transportation Planner with possible contributions by other planning staff.

Local staff hours: 25 hours

	Local	FHWA	Total
Environmental Justice	\$150	\$600	\$750

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task 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

1. 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

N/A

Proposed budget and level of effort

Tasks will be completed primarily by the Transportation Planner with possible contributions by other planning staff.

Local staff hours: 10 hours

	Local	FHWA	Total
Planning for the Elderly and Disabled	\$60	\$240	\$300

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task 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

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

Previous work

In 2009-2010, the Town held two greenways workshops – one for the Bolin Creek Greenway and another for the Morgan Creek Greenway. The Town also facilitated a public input process – including a public meeting with advisory boards – to review the Chapel Hill and Carrboro 2035 Long Range Transit Plan. Finally, the Town held a kickoff meeting for its Safe Routes to School Action Plan development.

Proposed activities

1. Annual transit forum
2. Continued public input process for the Bolin Creek Greenway
3. Safe Routes to School Action Plan committee review meeting and plan adoption
4. Community meetings on Estes Dr. ped-bike access and Old Carrboro traffic circulation planning (these meetings may occur in FY 2010).
5. Public input processes associated with MPO activities such as the 2040 LRTP, etc.

Products

1. Summaries from all public input workshops

Relationship to other plans and MPO activities

Public involvement is a key to most MPO activities and local planning processes.

Proposed budget and level of effort

Tasks will be completed by the Transportation Planner and Planning Administrator, with possible contributions by other planning staff.

Local staff hours: 72 hours

	Local	FHWA	Total
Public Involvement	\$496	\$1,984	\$2,480

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

The Town will complete environmental documentation for several transportation projects. This may include public comments, public meetings, scoping meetings, site visits, and related activities.

Objectives

1. To complete, commence, and-or assist with necessary environmental impact documentation for several transportation projects expected to be underway in FY 2011.

Previous work

The Town has participated in reviewing the community impact assessments for various TIP projects.

Proposed activities

1. Complete, commence, and-or assist with environmental documentation for the Wilson Park Multi-use Path (STP-DA), Rogers Rd. sidewalk (STP-DA), the Morgan Creek Greenway, and (if in FY2011) a section of the Bolin Creek Greenway.
2. Participate in any state-level environmental analysis processes related to Carrboro transportation projects that occur in FY 2011.

Products

1. Environmental documentation (i.e. CE or EA).

Relationship to other plans and MPO activities

N/A

Proposed budget and level of effort

Tasks will be completed primarily by the Transportation Planner with possible contributions by other planning staff.

Local staff hours: 15 hours

	Local	FHWA	Total
Environmental Analysis & Pre-TIP Planning	\$90	\$360	\$450

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task III-D-3. Special Studies

Town staff will continue to conduct and-or refine studies – started or expected to start in FY2010 or earlier – related to local transportation issues, such as traffic circulation in the Old Carrboro neighborhood, Safe Routes to School, and the Bolin Creek Greenway. The Town will contribute as appropriate to MPO-level special studies.

Objectives

1. To coordinate an inclusive and comprehensive public input process on Phases 3 and 4 of the Bolin Creek Greenway, as identified in the Bolin Creek Greenway Conceptual Master Plan.
2. To ensure that new studies reflect public input to the extent practicable and that they inform future planning processes.

Previous work

Consultants completed conceptual plans for the greenways in FY2010. They serve as a basis for phased implementation of the greenways.

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. Continue planning for the Old Carrboro traffic circulation plan. This planning is expected to be done in-house with the potential for an external facilitator for a public meeting.
3. Work with the Safe Routes to School Action Plan Team to progress toward the adoption of an action plan in the fall.

Products:

1. Safe Routes to School Action Plan
2. Old Carrboro/Oak Ave. traffic circulation plan
3. Summaries of public meetings on the Bolin Creek Greenway and Estes Dr. bike-ped access
4. Contribution toward MPO-level special studies as necessary

Relationship to other plans and MPO activities

Some data may be shared between planning processes.

Proposed budget and level of effort

Tasks will be completed primarily by the Transportation Planner with possible contributions by other planning staff.

Local staff hours: 115 hours

	Local	FHWA	Total
Special Studies	\$718	\$2,872	\$3,590

**TOWN OF CARRBORO
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task III-E. Management and Operations

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

Objectives

1. To participate and contribute to MPO-related meetings
2. To adhere to the goals and tasks laid out in the Unified Planning Work Program
3. To ensure that elected officials have adequate information to make informed decisions on local and regional transportation issues
4. To ensure the local transportation advisory board has the information it needs to develop sound recommendations on local and regional transportation issues
5. 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

Tasks will be completed by the Transportation Planner and Planning Administrator, with possible contributions by other planning staff.

Local staff hours: 345 hours

	Local	FHWA	Total
Management and Operations	\$2,206	\$8,824	\$11,030

Town of Chapel Hill

4/30/2010 11:08

Durham-Chapel Hill-Carrboro Urban Area
 FY 2010-2011 Unified Planning Work Program
 Proposed Funding Source Tables

	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 20%	FHWA 80%	Local 20%	FHWA 80%	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	12,500	50,000	0	0	1,250	1,250	10,000	0	0	0	13,750	1,250	60,000	75,000	
	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	625	625	5,000	0	0	0	625	625	5,000	6,250	
	10 Mapping	0	0	2,500	10,000	2,500	2,500	20,000	0	0	0	5,000	2,500	30,000	37,500	
	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	2,500	10,000	1,250	1,250	10,000	0	0	0	3,750	1,250	20,000	25,000	
	2 Collection of Network Data	0	0	750	3,000	1,250	1,250	10,000	0	0	0	2,000	1,250	13,000	16,250	
	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	2,500	10,000	625	625	5,000	0	0	0	3,125	625	15,000	18,750	
	6 Community Goals & Objectives	0	0	500	2,000	0	0	0	0	0	0	500	-	2,000	2,500	
	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 L RTP	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
	10 Transit Element of the L RTP	0	0	750	3,000	625	625	5,000	0	0	0	1,375	625	8,000	10,000	
	11 Bicycle & Ped. Element of the L RTP	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
	12 Airport/Air Travel Element of L RTP	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
	13 Collector Street Element of L RTP	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
	14 Rail, Water or other mode of L RTP	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
	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	625	2,500	0	0	0	0	0	0	625	-	2,500	3,125	
	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	5,500	22,000	0	0	0	0	0	8,000	8,000	64,000	13,500	8,000	86,000	107,500	
III-A	Planning Work Program	1,250	5,000	250	1,000	161	161	1,288	0	0	0	1,661	161	7,288	9,110	
III-B	Transp. Improvement Plan	1,250	5,000	250	1,000	250	250	2,000	0	0	0	1,750	250	8,000	10,000	
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	1,250	5,000	0	0	0	0	0	0	0	0	1,250	-	5,000	6,250	
	4 Planning for the Elderly & Disabled	6,250	25,000	0	0	0	0	0	0	0	0	6,250	-	25,000	31,250	
	5 Safety/Drug Control Planning	2,750	11,000	0	0	0	0	0	0	0	0	2,750	-	11,000	13,750	
	6 Public Involvement	4,000	16,000	0	0	0	0	0	0	0	0	4,000	-	16,000	20,000	
	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.	12,000	48,000	0	0	0	0	0	0	0	0	12,000	-	48,000	60,000	
	3 Special Studies	18,000	72,000	0	0	563	563	4,500	0	0	0	18,563	563	76,500	95,625	
	4 Regional or Statewide Planning	10,000	40,000	617	2,468	625	625	5,000	0	0	0	11,242	625	47,468	59,335	
III-E	Management & Operations															
	1 Management & Operations	36,500	146,000	4,500	18,000	3,944	3,944	31,553	3,003	3,003	24,024	47,947	6,947	219,577	274,471	
Totals		\$111,250	\$445,000	\$15,742	\$62,968	\$13,668	\$13,668	\$109,341	\$11,003	\$11,003	\$88,024	\$151,663	\$24,671	\$705,333	\$881,666	

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-A-5: Transit System Data

To collect and analyze transit ridership data for the Chapel Hill Transit system for use in the development of the 2040 Long Range Transportation Plan. To maintain and modify maps of Chapel Hill Transit routes using GIS technology. Chapel Hill Transit will use GIS maps to analyze ridership and travel data and mapping to provide public information.

Objectives:

1. Identify strengths and weaknesses of service by route routes; prepare route schedules; and
2. Analyze ridership and travel data,

Previous Work:

Collection and analysis of transit system ridership and operating information.

Proposed Activities:

Monitoring of information collected from transit system APCs and Nextbus.

Products:

Ridership data and route analysis.

Completion Date:

June 2011.

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

Tasks will be completed by Chapel Hill Planning and Transit staff.
Staff effort – 1,660 person hours

FHWA Funds

	Federal	Local	Total
Chapel Hill	0	0	0
Total	0	0	0

FTA Transit/Highway Funds

	Federal	State	Local	Total
Chapel Hill	10,000	1,250	1,250	12,500
Total	10,000	1,250	1,250	12,500

STP-DA Funds

	Federal	Local	Total
Chapel Hill	50,000	12,500	62,500
Total	50,000	12,500	62,500

Funding Commitments from Other Entities:

None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-A-9: Travel Time Studies

To collect information on transportation travel times along specific corridors in Chapel Hill. This information will be used to support the development of the 2040 Long Range Transit Plan.

Objectives:

1. Collect and analyze travel time information.
2. Provide information for use in the Triangle Regional Model.

Previous Work:

Collection of travel time information for 2007 Mobility Report Card

Proposed Activities:

Collect travel time information along specific transportation corridors
Review information and submit to DCHC MPO

Products:

Travel time data for use in the TRM.

Relationship to Other Plans and MPO Activities:

This information will support the development of the 2040 Long Range Transportation Plan and the Chapel Hill Transit Short Range Transit Plan.

Completion Date:

June 2011.

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

Tasks will be completed by Chapel Hill Planning and Transit staff.
Staff effort – 140 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	0	0	0	Chapel Hill	5,000	625	625	6,250	Chapel Hill	0	0	0
Total	0	0	0	Total	5,000	625	625	6,500	Total	0	0	0

Funding Commitments from Other Entities: None.

CHAPEL HILL TASK DESCRIPTIONS & NARRATIVES FY 2010-2011 UPWP

Task II-A-10: Mapping

To prepare, modify and maintain maps related to the Chapel Hill transportation network. Chapel Hill will use GIS technology to collect and analyze information on transportation facilities and system usage. The mapping will support local and regional transportation planning, including CMS and the development of the 2040 LRTP.

The Town will continue to update GIS mapping databases and prepare maps for various initiatives. The mapping will include highway, transit, bicycle and pedestrian data.

Objectives:

1. Maintain existing GIS databases
2. Provide information for development of CMS and 2040 plans
3. Improve transit routes and scheduling; and

Previous Work:

1. Mapping related to development of 2035 DCHC LRTP
2. Preparation of mapping for Chapel Hill Transit
3. Maps for various local and regional projects

Proposed Activities:

1. Update transit system maps.
2. Update GIS database.
3. Prepare maps as necessary.

Products:

1. Updated transportation system maps.
2. New mapping for local and regional projects.

Relationship to Other Plans and MPO Activities:

This mapping will be used to support the recommendations of the 2035 Long Range Transportation Plan, development of the 2010 CMS, Chapel Hill Transit Short Range Transit Plan and 2040 Long Range Transit Plan.

Completion Date:

June 2011.

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

Tasks will be completed by Chapel Hill Planning and Transit staff.

Staff effort – 830 person hours

FHWA Funds				FTA Transit/Highway Funds				STP-DA Funds				
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	10,000	2,500	12,500	Chapel Hill	20,000	2,500	2,500	25,000	Chapel Hill			

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

The Town will collect and analyze 2010 base year socio economic and transportation data for use in the 2040 Long Range Transit Plan.

Objectives:

1. Provide socio economic data for use in the 2040 LRTP.
2. Confirm accuracy of housing and employment information

Previous Work:

1. Development of 2035 LRTP transit element.
2. Development of Chapel Hill Long Range Transit Plan
3. Staff assistance to STAC

Proposed Activities:

1. Coordinate with MPO to review and revise employment data
2. Expand housing data to new 2010 base year

Products:

1. 2010 base year socio economic data

Relationship to Other Plans and MPO Activities:

CMS and 2040 LRTP

Completion Date:

January, 2011

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

Tasks will be undertaken by Chapel Hill planning staff.

Staff effort – 550 person hours

FHWA Funds				FTA Transit/Highway Funds				STP-DA Funds				
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	10,000	2,500	12,500	Chapel Hill	10,000	1,250	1,250	12,500	Chapel Hill	0	0	0
Total	10,000	2,500	12,500	Total	10,000	1,250	1,250	12,500	Total	0	0	0

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-B-2: Collection of Network Data

The Town will undertake the collection of information on the transportation system, including traffic counts, transit ridership and performance information, bicycle and pedestrian activity.

Objectives:

1. Update transportation information for use in the 2040 LRTP and CMS

Previous Work:

1. Preparation of network data for 2035 LRTP

Proposed Activities:

1. Work with the MPO to identify data required
2. Work with Town Engineering and Transit staff to collect necessary data
3. Revise networks as necessary

Products:

1. Revised transportation networks for use in 2040 LRTP and CMS

Relationship to Other Plans and MPO Activities:

2040 LRTP and 2010 CMS

Completion Date:

January, 2011

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

Tasks will be undertaken by Chapel Hill planning and transit staff.
Staff effort – 360 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	3,000	750	3,750	Chapel Hill	10,000	1,250	1,250	12,500	Chapel Hill	0	0	0
Total	3,000	750	3,750	Total	10,000	1,250	1,250	12,500	Total	0	0	0

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

The Town will prepare forecast of socio economic data to 2040 for use in the development of the 2040 LRTP.

Objectives:

1. Prepare 2040 projections of housing and employment.

Previous Work:

1. Preparation of projections for 2035 LRTP

Proposed Activities:

1. Work with the MPO to identify data required
2. Work with Town Engineering and Transit staff to collect necessary data
3. Revise networks as necessary

Products:

2. Revised transportation networks for use in 2040 LRTP and CMS

Relationship to Other Plans and MPO Activities:

2040 LRTP and 2010 CMS

Completion Date:

January, 2011

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

Tasks will be undertaken by Chapel Hill planning and transit staff.
Staff effort – 415 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	10,000	2,500	12,500	Chapel Hill	5,000	625	625	6,250	Chapel Hill	0	0	0
Total	10,000	2,500	12,500	Total	5,000	625	625	6,250	Total	0	0	0

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-B-6: Community Goals and Objectives

The Town will review and adopt community goals and objectives to guide the development of the 2040 LRTP.

Objectives:

1. Prepare 2040 goals and objectives.

Previous Work:

1. Preparation of 2035 goals and objectives

Proposed Activities:

1. Review 2035 goals and objectives and prepare modifications
2. Coordinate with MPO staff on regional goals and objectives

Products:

1. Revised 2040 goals and objectives
- 2.

Relationship to Other Plans and MPO Activities:

2040 LRTP and 2010 CMS

Completion Date:

January, 2011

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

Tasks will be undertaken by Chapel Hill planning and transit staff.
Staff effort – 60 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	2,000	500	2,500	Chapel Hill					Chapel Hill	0	0	0
Total	2,000	500	2,500	Total					Total	0	0	0

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-B-10: Transit Element of Long Range Transit Plan

The Town will work with the DCHC MPO and Triangle Transit to develop a revised transit element for the 2040 LRTP. The Town will also work to implement the transit elements of the adopted 2035 LRTP.

Objectives:

6. Prepare revised transit element for 2040 LRTP
7. Implement adopted 2035 LRTP transit element

Previous Work:

5. Development of 2035 transit element
6. Development of STAC Plan
7. Development of Orange County Transit Plan

Proposed Activities:

6. Coordinate with DCHC MPO and Triangle Transit to review adopted 2035 transit element and revise as necessary for incorporation into 2040 LRTP.
7. Continue coordination with Triangle Transit on Orange County Transit Plan

Products:

5. Revised transit element for incorporation into 2040 LRTP

Relationship to Other Plans and MPO Activities:

Transit plan will support development of NC54 Corridor Study.

Completion Date:

June, 2011.

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

Tasks will be undertaken by Chapel Hill staff.

Staff effort – 225 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	3,000	750	3,750	Chapel Hill	5,000	625	625	6,250	Chapel Hill	0	0	0
Total	3,000	750	3,750	Total	5,000	625	625	6,250	Total	0	0	0

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-B-17: Congestion Management Strategies

The Town will work with the DCHC MPO to prepare a DCHC 2010 congestion management study analysis and recommendations.

Objectives:

1. Coordinate the preparation of the Chapel Hill/Orange County portion of the DCHC 2010 Congestion Management Study.

Previous Work:

1. Chapel Hill Carrboro Mobility Report Cards

Proposed Activities:

1. Coordinate with DCHC MPO staff to collect base and analyze base transportation data and develop recommendations.

Products:

1. 2010 DCHC CMS

Relationship to Other Plans and MPO Activities:

2010 CMS will provide information to be used in the development of the 2040 LRTP and implementation of elements of the adopted 2035 LRTP.

Completion Date:

June, 2011.

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

Tasks will be undertaken by Chapel Hill staff.

Staff effort – 135 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	2,500	625	3,125	Chapel Hill					Chapel Hill	0	0	0
Total	2,500	625	3,125	Total					Total	0	0	0

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task II-C-1: Short Range Transit Plan

To develop and monitor the annual planning work program. To gather system performance data, conduct and analyze system development of a 5-7 year plan in consideration with the Long Range Transit Plan, including financial and capital projections.

Various internal management studies will be performed throughout the year to guide CHT in efficiently managing the transit system and increasing ridership.

Objectives:

1. To support various regional planning efforts, and
2. To develop financial and capital projections.

Previous Work:

1. Annual gathering of system performance data.

Proposed Activities:

1. Annual service and route evaluation.
2. Provide staff support for the implementation of transit capital projects.
3. To provide continued staff support for ongoing TIP and the LRTP.

Products:

1. 2010-2011 Planning Work Program.
2. Short Range Transit Plan.

Relationship to Other Plans and MPO Activities:

The Planning Work Program supports various regional planning efforts.

Completion Date:

June 2011.

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

The task will be undertaken by CHT staff.

Staff effort – 2,400 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	0	0	0	Chapel Hill	64,000	8,000	8,000	80,000	Chapel Hill	22,000	5,500	27,500
Total	0	0	0	Total	64,000	8,000	8,000	80,000	Total	22,000	5,500	27,500

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task III-A: Planning Work Program

Town staff will monitor implementation of the adopted Planning Work Program and prepare the 2010-2011 Planning Work Program.

Objectives:

4. To monitor implementation of the adopted Planning Work Program;

Previous Work:

6. Development of the 2011-12 PWP.

Proposed Activities:

4. Monitor elements of the adopted 2010-11 PWP.
5. Prepare 2011-12 PWP.

Products:

6. 2011-12 PWP.

Relationship to Other Plans and MPO Activities

Support all other planning activities.

Completion Date:

June, 2011.

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

Tasks will be undertaken by Chapel Hill staff.
Staff effort – 200 person hours

FHWA Funds				FTA Transit/Highway Funds				STP-DA Funds				
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	1,000	250	1,250	Chapel Hill	1,288	161	161	1,610	Chapel Hill	5,000	1,250	6,250
Total	1,000	250	1,250	Total	1,288	161	161	1,610	Total	5,000	1,250	6,250

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task III-B-Transportation Improvement Program

Chapel Hill will monitor the implementation of the 2011-2017 TIP and prepare a revised 5 year Transit Capital Program.

Objectives:

3. To monitor implementation of 2011-2017 TIP
4. Prepare amendments to the adopted TIP as necessary
5. Prepare revised five year Transit Capital Program

Previous Work:

1. Development of the 2011-2017 TIP.

Proposed Activities:

5. Prepare TIP amendments
6. Develop revised five year Transit Capital Program.

Products:

4. Revised five year Transit Capital Program

Relationship to Other Plans and MPO Activities:

The TIP supports the implementation of the adopted 2035 Long Range Transportation Plan.

Completion Date:

June, 2011

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

Tasks will be undertaken by Chapel Hill staff.

Staff effort – 220 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	1,000	250	1,250	Chapel Hill	2,000	250	250	2,500	Chapel Hill	5,000	1,250	6,250
Total	1,000	250	1,250	Total	2,000	250	250	2,500	Total	5,000	1,250	6,250

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

Chapel Hill will work to improve its relationships with disadvantaged businesses, improve transit services for the elderly and handicapped populations, and continue monitoring of drug control programs and transit safety.

Objectives:

4. To continually review certification procedures for the EZ Rider service;
5. Review No Show and Cancellation policies for possible changes;
6. Evaluate minority business enterprise regulations;
7. Review service levels and identify need for additional service for the elderly and disabled; and
8. Evaluate drug control programs and monitor transit safety efforts.

Previous Work:

3. Completion of Title VI update.
4. Continuing review of certification procedures.
5. Hiring of a Mobility Manager to manage demand response services.
6. Continued work with the EZ Rider Committee.

Proposed Activities:

9. Determine compliance with minority business enterprise regulations.
10. Identify opportunities for minority business participation.
11. Evaluate transit safety programs.
12. Review existing public outreach and involvement plan;
13. Conduct analysis as needed regarding equitable distribution of transportation system benefits and costs among all socio-economic groups throughout the CH service area.

Products:

6. Update existing MBE Program.
7. Upgrade of phone system to allow recording and monitoring of calls.

Relationship to Other Plans and MPO Activities:

Ongoing program requirements.

Completion Date:

June, 2011.

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

Tasks will be undertaken by Chapel Hill staff.

Staff effort – 1,475 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	0	0	0	Chapel Hill	0	0	0	0	Chapel Hill	53,000	13,250	66,250
Total	0	0	0	Total	0	0	0	0	Total	53,000	13,250	66,250

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

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

Chapel Hill will prepare a feasibility study for the implementation of public transit vehicle signal priority improvements along the Martin Luther King Jr. Blvd corridor.

Objectives:

1. Prepare transit vehicle signal priority feasibility study along Martin Luther King Jr. Blvd.

Previous Work:

1. Chapel Hill-Carrboro Long Range Transit Plan

Proposed Activities:

3. Prepare signal priority feasibility study.

Products:

1. Martin Luther King Jr. Blvd transit signal priority feasibility study

Relationship to Other Plans and MPO Activities

Chapel Hill-Carrboro Long Range Transit Plan, 2035 DCHC LRTP, 2010 DCHC CMS

Completion Date:

January, 2011.

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

Tasks will be undertaken by consultant in coordination with Chapel Hill staff.

Staff effort – 1,300 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill				Chapel Hill					Chapel Hill	48,000	12,000	60,000
Total				Total					Total	48,000	12,000	60,000

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task III-D-3: Special Studies

Chapel Hill will continue the development of the Rams Plaza Transportation study. This study, begun in fiscal year 2009-2010, will evaluate potential redevelopment the area around the Rams Plaza shopping center and develop a set of transportation improvements to improve access for all modes.

Objectives:

- 1 Complete Rams Plaza Transportation Study

Previous Work:

- 1 Rams Plaza Transportation Study begun in FY 2009-2010

Proposed Activities:

- 1 Complete ongoing study.

Products:

- 1 Final Rams Plaza Transportation Study

Relationship to Other Plans and MPO Activities

Chapel Hill-Carrboro Long Range Transit Plan, 2035 DCHC LRTP, 2010 DCHC CMS

Completion Date:

January, 2011

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

Tasks will be undertaken by consultant in coordination with Chapel Hill staff.

Staff effort – 1,450 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill				Chapel Hill	4,500	563	563	5,626	Chapel Hill	72,000	18,000	90,000
Total				Total	4,500	563	563	5,626	Total	72,000	18,000	90,000

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

TASK III-D-4: Regional or Statewide Planning

Chapel Hill will support various regional planning initiatives, including the development of the Orange County Transit Plan, NC54 Corridor Study, implementation of the Chapel Hill Long Range Transit Plan and DCHC 2035.

Objectives:

1. To provide information and staff support to the development of various regional planning projects.

Previous Work:

1. Support to STAC.

Proposed Activities:

- 1 Support review and approval of final NC54 Corridor Study
- 2 Support development of final Orange County Transit Plan
- 3 Support implementation of elements of adopted 2035 LRTP.

Products:

NC 54 Corridor Study
Orange County Transit Plan

Relationship to Other Plans and MPO Activities

Support all other planning activities.

Completion Date:

June, 2011.

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

Tasks will be undertaken by Chapel Hill staff.

Staff effort – 1,320 person hours

FHWA Funds				FTA Transit/Highway Funds					STP-DA Funds			
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	2,468	617	3,085	Chapel Hill	5,000	625	625	6,250	Chapel Hill	40,000	10,000	50,000
Total	2,468	617	3,085	Total	5,000	625	625	6,250	Total	40,000	10,000	50,000

Funding Commitments from Other Entities: None.

**CHAPEL HILL
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2011 UPWP**

Task III-E: Management and Operations

Chapel Hill will continue to assist, support and facilitate an open comprehensive, cooperative and continuing transportation planning and programming process at all levels of government in conformance with application federal and state requirements and guidelines.

Objectives:

1. To support various regional planning projects.
2. Management of PL fund account and other federal funds.

Previous Work:

1. Attend TAC, TCC and related regional committee meetings.
2. Provide staff support to regional task forces and subcommittees.
3. Preparing quarterly progress reports.
4. Documenting expenditures for various planning work tasks.
5. Filing for reimbursement of expenditures from the PL fund account.
6. Filing for reimbursement and management of State and federal funds.
7. Coordination with NCDOT and other agencies.

Proposed Activities:

1. Attend TAC, TCC and related regional committee meetings
2. Provide staff support to regional task forces and subcommittees.
3. Preparing quarterly progress reports.
4. Documenting expenditures for various planning work tasks.
5. Filing for reimbursement of expenditures from the PL fund account.
6. Filing for reimbursement and management of State and federal funds.
7. Coordination with NCDOT and other agencies.

Products:

1. State and federal quarterly reports.
2. Reimbursement requests to the State and federal agencies.
3. Operating Statistics report.
4. NTD annual report.

Relationship to Other Plans and MPO Activities

Support all other planning activities.

Completion Date:

June, 2011.

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

Tasks will be undertaken by Chapel Hill staff.

Staff effort – 6,200 person hours

FHWA Funds				FTA Transit/Highway Funds				STP-DA Funds				
	Federal	Local	Total		Federal	State	Local	Total		Federal	Local	Total
Chapel Hill	18,000	4,500	22,500	Chapel Hill	55,577	6,947	6,947	69,471	Chapel Hill	146,000	36,500	182,500
Total	18,000	4,500	22,500	Total	55,577	6,947	6,947	69,471	Total	146,000	36,500	182,500

Funding Commitments from Other Entities: None.

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442400
3- Task Code	II-A-5
4- Title	<i>Transit System Data</i>
5- Task Objective	Collection and analysis of transit ridership and operating information.
6- Tangible Product Expected	Ridership data and route analysis
7- Expected Completion Date of Products	June 2011
8- Previous Work	Monitored and reviewed operating statistics of new and existing services.
9- Prior FTA Funds	\$20,000
10- Relationship	Ongoing statistics analysis including ridership, revenue miles and hours, system-wide cost analysis
11- Agency	Town of Chapel Hill
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	
15- Section 104 (f) PL FHWA 80%	
16- Section 5303 Local 10%	\$ 1,250
17- Section 5303 NCDOT 10%	\$ 1,250
18- Section 5303 FTA 80%	\$10,000
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442400
3- Task Code	II-A-9
4- Title	<i>Travel Time Studies</i>
5- Task Objective	Collection and analysis of transit ridership and operating information.
6- Tangible Product Expected	Ridership data and route analysis
7- Expected Completion Date of Products	June 2011
8- Previous Work	Monitored and reviewed operating statistics of new and existing services.
9- Prior FTA Funds	\$0
10- Relationship	Ongoing statistics analysis including ridership, revenue miles and hours, system-wide cost analysis
11- Agency	Town of Chapel Hill
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	
15- Section 104 (f) PL FHWA 80%	
16- Section 5303 Local 10%	\$ 625
17- Section 5303 NCDOT 10%	\$ 625
18- Section 5303 FTA 80%	\$5,000
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-A-10
4- Title	<i>Mapping</i>
5- Task Objective	To maintain and modify maps of Chapel Hill Transit routes using GIS technology.
6- Tangible Product Expected	Updated transit system maps. Mapping for local and regional projects.
7- Expected Completion Date of Products	June-2011
8- Previous Work	Preparation of mapping.
9- Prior FTA Funds	\$30,000
10- Relationship	Chapel Hill Transit will use GIS maps to analyze ridership and travel data and mapping to provide public information. To support implementation of DCHC Long Range Transportation Plan and develop Congestion Management Plan.
11- Agency	Town of Chapel Hill's Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	\$ 2,500
15- Section 104 (f) PL FHWA 80%	\$ 10,000
16- Section 5303 Local 10%	\$ 2,500
17- Section 5303 NCDOT 10%	\$ 2,500
18- Section 5303 FTA 80%	\$ 20,000
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-B-1
4- Title	<i>Collection of Base Year Data</i>
5- Task Objective	To collect 2010 base year housing and employment data for use in the development of the 2040 LRTP.
6- Tangible Product Expected	2010 base year data.
7- Expected Completion Date of Products	January, 2011
8- Previous Work	Development of the 2035 LRTP projections
9- Prior FTA Funds	\$0
10- Relationship	Input to 2040 LRTP.
11- Agency	Town of Chapel Hill's Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	\$ 2,500
15- Section 104 (f) PL FHWA 80%	\$ 10,000
16- Section 5303 Local 10%	\$ 1,250
17- Section 5303 NCDOT 10%	\$ 1,250
18- Section 5303 FTA 80%	\$ 10,000
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-B-2
4- Title	<i>Collection of Network Data</i>
5- Task Objective	To collect information about the existing transportation network to update 2010 TRM.
6- Tangible Product Expected	Revised transportation networks.
7- Expected Completion Date of Products	June, 2011
8- Previous Work	Networks for 2035 LRTP
9- Prior FTA Funds	\$0
10- Relationship	Input to 2040 LRTP
11- Agency	Town of Chapel Hill's Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	\$ 750
15- Section 104 (f) PL FHWA 80%	\$ 3,000
16- Section 5303 Local 10%	\$ 1,250
17- Section 5303 NCDOT 10%	\$ 1,250
18- Section 5303 FTA 80%	\$ 10,000
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-B-5
4- Title	<i>Forecast of Data to Horizon Year</i>
5- Task Objective	To prepare forecasts of housing and employment for use in the development of the 2040 LRTP.
6- Tangible Product Expected	Revised 2040 projections.
7- Expected Completion Date of Products	June 2011
8- Previous Work	Development of the 2035 projections.
9- Prior FTA Funds	\$0
10- Relationship	Input to 2040 LRTP
11- Agency	Town of Chapel Hill's Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	\$ 2,500
15- Section 104 (f) PL FHWA 80%	\$ 10,000
16- Section 5303 Local 10%	\$ 625
17- Section 5303 NCDOT 10%	\$ 625
18- Section 5303 FTA 80%	\$ 5,000
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-B-6
4- Title	<i>Community Goals & Objectives</i>
5- Task Objective	To review and revise community goals and objectives for use in the development of the 2040 LRTP.
6- Tangible Product Expected	Chapel Hill endorsement of 2040 LRTP goals and objectives
7- Expected Completion Date of Products	June 2011
8- Previous Work	Development of the 2035 LRTP goals and objectives.
9- Prior FTA Funds	\$0
10- Relationship	Input to 2040 LRTP
11- Agency	Town of Chapel Hill's Planning Departments
12- HPR - Highway - NCDOT	20%
13- HPR - Highway - FHWA	80%
14- Section 104 (f) PL Local	20% \$ 500
15- Section 104 (f) PL FHWA	80% \$ 2,000
16- Section 5303 Local	10%
17- Section 5303 NCDOT	10%
18- Section 5303 FTA	80%
19- Section 5307 Transit - Local	10%
20- Section 5307 Transit - NCDOT	10%
21- Section 5307 Transit - FTA	80%
22- Additional Funds - Local	100%

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-B-10
4- Title	<i>Transit Element of the Long Range Plan</i>
5- Task Objective	To continue implementation of the adopted 2035 transit element and prepare 2040 transit element.
6- Tangible Product Expected	2040 LRTP transit element
7- Expected Completion Date of Products	June 2011
8- Previous Work	2035 LRTP transit element
9- Prior FTA Funds	\$7,000
10- Relationship	The LRTP transit element supports the Chapel Hill-Carrboro Long Range Transit Plan and Orange County Transit Plan
11- Agency	Town of Chapel Hill's Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	\$ 750
15- Section 104 (f) PL FHWA 80%	\$ 3,000
16- Section 5303 Local 10%	\$ 625
17- Section 5303 NCDOT 10%	\$ 625
18- Section 5303 FTA 80%	\$ 5,000
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-B-17
4- Title	<i>Congestion Management Strategies</i>
5- Task Objective	The DCHC MPO will begin work to develop a MPO-wide Congestion Management Plan. Chapel Hill will work with the MPO staff to develop a scope of work for this Plan, provide ongoing project support and related data. The Town will also continue to support the development and implementation of regional TDM activities.
6- Tangible Product Expected	2010 CMS
7- Expected Completion Date of Products	June 2011
8- Previous Work	2005 Chapel Hill/Carrboro Mobility Report Card and 2007 Chapel Hill Transportation Management Plan Survey.
9- Prior FTA Funds	\$20,000
10- Relationship	The CMS Plan supports the implementation of the 2035 DCHC LRTP, Chapel Hill Long Range Transit Plan and other local plans. These activities will also support regional TDM implementation.
11- Agency	Town of Chapel Hill's Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	\$ 625
15- Section 104 (f) PL FHWA 80%	\$ 2,500
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	III-C
4- Title	<i>Short Range Transit Plan</i>
5- Task Objective	To implement the recommendations of the STAC, 2035 DCHC Long Range Transportation Plan and Chapel Hill Transit Plan, including a Comprehensive Operation Analysis to implement expanded transit services.
6- Tangible Product Expected	Revised ridership projections and implementation plan for BRT and LRT.
7- Expected Completion Date of Products	June 2011
8- Previous Work	Development of the 2035 LRTP transit element, development of Chapel Hill Long Range Transit Plan and staff assistance to STAC.
9- Prior FTA Funds	\$15,000
10- Relationship	Additional planning will be necessary to implement higher capacity transit services such as bus rapid transit and light rail.
11- Agency	Town of Chapel Hill's Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	
15- Section 104 (f) PL FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 Transit - Local 10%	\$ 8,000
20- Section 5307 Transit - NCDOT 10%	\$ 8,000
21- Section 5307 Transit - FTA 80%	\$ 64,000
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442100
3- Task Code	III-A
4- Title	<i>Planning Work Program</i>
5- Task Objective	To develop and monitor the annual planning work program.
6- Tangible Product Expected	2011-12 Planning Work Program.
7- Expected Completion Date of Products	June 2011
8- Previous Work	Development of the 2010-11 Planning Work Program.
9- Prior FTA Funds	\$1,288
10- Relationship	The Planning Work Program supports various regional planning efforts
11- Agency	Town of Chapel Hill's Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	\$ 250
15- Section 104 (f) PL FHWA 80%	\$ 1,000
16- Section 5303 Local 10%	\$ 161
17- Section 5303 NCDOT 10%	\$ 161
18- Section 5303 FTA 80%	\$ 1,288
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442500
3- Task Code	III-B
4- Title	<i>Transportation Improvement Program</i>
5- Task Objective	Development of the 2011-2017 TIP.
6- Tangible Product Expected	Development of final 2011-2017 TIP.
7- Expected Completion Date of Products	June 2011
8- Previous Work	Development of the 2009-2015 TIP.
9- Prior FTA Funds	\$2,000
10- Relationship	The TIP will be used to continue implementation of the 2035 LRTP, STAC Plan and Chapel Hill Long Range Transit Plan.
11- Agency	Town of Chapel Hill's Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	\$ 250
15- Section 104 (f) PL FHWA 80%	\$ 1,000
16- Section 5303 Local 10%	\$ 250
17- Section 5303 NCDOT 10%	\$ 250
18- Section 5303 FTA 80%	\$ 2,000
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442700
3- Task Code	III-D-3
4- Title	<i>Special Studies</i>
5- Task Objective	To complete the Rams Plaza Transportation Analysis
6- Tangible Product Expected	Rams Plaza Transportation Analysis.
7- Expected Completion Date of Products	June 2011
8- Previous Work	None.
9- Prior FTA Funds	\$0
10- Relationship	This project supports the implementation of the 2035 LRTP.
11- Agency	Town of Chapel Hill's Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	
15- Section 104 (f) PL FHWA 80%	
16- Section 5303 Local 10%	\$ 563
17- Section 5303 NCDOT 10%	\$ 563
18- Section 5303 FTA 80%	\$ 4,500
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442200
3- Task Code	III-D-4
4- Title	<i>Regional or Statewide Planning</i>
5- Task Objective	To support regional and statewide planning projects.
6- Tangible Product Expected	Long Range Transportation Plan
7- Expected Completion Date of Products	June 2011
8- Previous Work	STAC process
9- Prior FTA Funds	\$10,000
10- Relationship	This project supports the implementation of the 2035 Regional Plan, STAC recommendations and Chapel Hill Long Range Transit Plan.
11- Agency	Town of Chapel Hill's Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	\$ 617
15- Section 104 (f) PL FHWA 80%	\$ 2,468
16- Section 5303 Local 10%	\$ 625
17- Section 5303 NCDOT 10%	\$ 625
18- Section 5303 FTA 80%	\$ 5,000
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY2010-2011 (FY 2011) UPWP**

1- MPO	Town of Chapel Hill
2- FTA Code	442100
3- Task Code	III-E
4- Title	<i>Management and Operations</i>
5- Task Objective	To support various transit planning activities.
6- Tangible Product Expected	Ongoing.
7- Expected Completion Date of Products	June 2011
8- Previous Work	Management and operation of transit planning program.
9- Prior FTA Funds	\$31,553
10- Relationship	Supports all other transit planning activities.
11- Agency	Town of Chapel Hill's Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PL Local 20%	\$ 4,500
15- Section 104 (f) PL FHWA 80%	\$ 18,000
16- Section 5303 Local 10%	\$ 3,944
17- Section 5303 NCDOT 10%	\$ 3,944
18- Section 5303 FTA 80%	\$ 31,553
19- Section 5307 Transit - Local 10%	\$ 3,003
20- Section 5307 Transit - NCDOT 10%	\$ 3,003
21- Section 5307 Transit - FTA 80%	\$ 24,024
22- Additional Funds - Local 100%	

CHAPEL HILL Anticipated DBE Contracting Opportunities for FY11

Name of MPO: Town of Chapel Hill

Person Completing Form: David Bonk/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.					

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.

Proposed Funding Source Tables

4/29/2010 15:27

	Task Description	SPR Highway		Sec. 104(f) & 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									-	-	-	-	
2	Vehicle Miles of Travel	0	0									-	-	-	-	
3	Street System Changes	0	0									-	-	-	-	
4	Traffic Accidents	0	0									-	-	-	-	
5	Transit System Data	0	0									-	-	-	-	
6	Dwelling Unit, Pop. & Emp. Change	0	0									-	-	-	-	
7	Air Travel	0	0									-	-	-	-	
8	Vehicle Occupancy Rates	0	0									-	-	-	-	
9	Travel Time Studies	0	0									-	-	-	-	
10	Mapping	0	0									-	-	-	-	
11	Central Area Parking Inventory	0	0									-	-	-	-	
12	Bike & Ped. Facilities Inventory	0	0									-	-	-	-	
13	Bike & Ped. Counts	0	0									-	-	-	-	
II B	Long Range Transp. Plan															
1	Collection of Base Year Data	0	0									-	-	-	-	
2	Collection of Network Data	0	0									-	-	-	-	
3	Travel Model Updates	2,100	8,400									-	2,100	8,400	10,500	
4	Travel Surveys	0	0									-	-	-	-	
5	Forecast of Data to Horizon year	0	0									-	-	-	-	
6	Community Goals & Objectives	0	0									-	-	-	-	
7	Forecast of Future Travel Patterns	0	0									-	-	-	-	
8	Capacity Deficiency Analysis	0	0									-	-	-	-	
9	Highway Element of th LRTP	2,300	9,200									-	2,300	9,200	11,500	
10	Transit Element of the LRTP	1,000	4,000									-	1,000	4,000	5,000	
11	Bicycle & Ped. Element of the LRTP	1,000	4,000									-	1,000	4,000	5,000	
12	Airport/Air Travel Element of LRTP	0	0									-	-	-	-	
13	Collector Street Element of LRTP	200	800									-	200	800	1,000	
14	Rail, Water or other mode of LRTP	0	0									-	-	-	-	
15	Freight Movement/Mobility Planning	0	0									-	-	-	-	
16	Financial Planning	0	0									-	-	-	-	
17	Congestion Management Strategies	200	800									-	200	800	1,000	
18	Air Qual. Planning/Conformity Anal.	200	800									-	200	800	1,000	
II C	Short Range Transit Planning															
III-A	Planning Work Program	400	1,600									-	400	1,600	2,000	
III-B	Transp. Improvement Plan	400	1,600									-	400	1,600	2,000	
III-C	Cvi Rgts. Cmp./Otr .Reg. Reqs.															
1	Title VI	0	0									-	-	-	-	
2	Environmental Justice	0	0									-	-	-	-	
3	Minority Business Enterprise	0	0									-	-	-	-	
4	Planning for the Elderly & Disabled	0	0									-	-	-	-	
5	Safety/Drug Control Planning	0	0									-	-	-	-	
6	Public Involvement	0	0									-	-	-	-	
7	Private Sector Participation	0	0									-	-	-	-	
III-D	Incidental Png./Project Dev.															
1	Transportation Enhancement Png.	100	400									-	100	400	500	
2	Enviro. Analysis & Pre-TIP Png.	1,000	4,000									-	1,000	4,000	5,000	
3	Special Studies	1,000	4,000									-	1,000	4,000	5,000	
4	Regional or Statewide Planning	500	2,000									-	500	2,000	2,500	
III E	Management & Operations															
1	Management & Operations	4,000	16,000									-	4,000	16,000	20,000	
Totals		\$14,400	\$57,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,400	\$57,600	\$72,000

**Durham-Chapel Hill-Carrboro Urban Area
FY 2010-2011 Unified Planning Work Program
Proposed Funding Source Tables**

	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	-	-	-	-
	2 Vehicle Miles of Travel				0	0	0	-	-	-	-
	3 Street System Changes				0	0	0	-	-	-	-
	4 Traffic Accidents				0	0	0	-	-	-	-
	5 Transit System Data				18,200	18,200	145,600	18,200	18,200	145,600	182,000
	6 Dwelling Unit, Pop. & Emp. Change				0	0	0	-	-	-	-
	7 Air Travel				0	0	0	-	-	-	-
	8 Vehicle Occupancy Rates				0	0	0	-	-	-	-
	9 Travel Time Studies				0	0	0	-	-	-	-
	10 Mapping				0	0	0	-	-	-	-
	11 Central Area Parking Inventory				0	0	0	-	-	-	-
	12 Bike & Ped. Facilities Inventory				0	0	0	-	-	-	-
	13 Bike & Ped. Counts				0	0	0	-	-	-	-
II B	Long Range Transp. Plan										
	1 Collection of Base Year Data				0	0	0	-	-	-	-
	2 Collection of Network Data				0	0	0	-	-	-	-
	3 Travel Model Updates				16,000	16,000	128,000	16,000	16,000	128,000	160,000
	4 Travel Surveys				0	0	0	-	-	-	-
	5 Forecast of Data to Horizon year				0	0	0	-	-	-	-
	6 Community Goals & Objectives				0	0	0	-	-	-	-
	7 Forecast of Future Travel Patterns				0	0	0	-	-	-	-
	8 Capacity Deficiency Analysis				0	0	0	-	-	-	-
	9 Highway Element of th LRTP				0	0	0	-	-	-	-
	10 Transit Element of the LRTP				4,500	4,500	36,000	4,500	4,500	36,000	45,000
	11 Bicycle & Ped. Element of the LRTP				0	0	0	-	-	-	-
	12 Airport/Air Travel Element of LRTP				0	0	0	-	-	-	-
	13 Collector Street Element of LRTP				0	0	0	-	-	-	-
	14 Rail, Water or other mode of LRTP				0	0	0	-	-	-	-
	15 Freight Movement/Mobility Planning				0	0	0	-	-	-	-
	16 Financial Planning				0	0	0	-	-	-	-
	17 Congestion Management Strategies				0	0	0	-	-	-	-
	18 Air Qual. Planning/Conformity Anal.				0	0	0	-	-	-	-
II C	Short Range Transit Planning										
	1 Short Range Transit Planning				67,000	67,000	536,000	67,000	67,000	536,000	670,000
III-A	Planning Work Program				0	0	0	-	-	-	-
III-B	Transp. Improvement Plan				0	0	0	-	-	-	-
III-C	Cvl Rgts. Cmp./Otr .Reg. Reqs.										
	1 Title VI				0	0	0	-	-	-	-
	2 Environmental Justice				0	0	0	-	-	-	-
	3 Minority Business Enterprise				0	0	0	-	-	-	-
	4 Planning for the Elderly & Disabled				0	0	0	-	-	-	-
	5 Safety/Drug Control Planning				0	0	0	-	-	-	-
	6 Public Involvement				0	0	0	-	-	-	-
	7 Private Sector Participation				0	0	0	-	-	-	-
III-D	Incidental Plng./Project Dev.										
	1 Transportation Enhancement Plng.				0	0	0	-	-	-	-
	2 Enviro. Analysis & Pre-TIP Plng.				0	0	0	-	-	-	-
	3 Special Studies				13,800	13,800	110,400	13,800	13,800	110,400	138,000
	4 Regional or Statewide Planning				0	0	0	-	-	-	-
III E	Management & Operations										
	1 Management & Operations				0	0	0	-	-	-	-
Totals		\$0	\$0	\$0	\$119,500	\$119,500	\$956,000	\$119,500	\$119,500	\$956,000	\$1,195,000

**TRIANGLE TRANSIT AUTHORITY
FTA TASK NARRATIVE TABLE
FY 2010-2011 (FY 2011) UPWP**

I- MPO	Durham Chapel Hill Carrboro MPO
2- FTA Code	442400
3- Task Code	II-A-5
4- Title	<i>Transit System Data</i>
5- Task Objective	To collect route patronage, on-time performance data, and 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	June-11
8- Previous Work	Initial analysis of amenities and on-time performance
9- Prior FTA Funds	\$20,000
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
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 Transit - Local 10%	\$ 18,200
20- Section 5307 Transit - NCDOT 10%	\$ 18,200
21- Section 5307 Transit - FTA 80%	\$ 145,600
22- Additional Funds - Local 100%	

**TRIANGLE TRANSITY AUTHORITY
FTA TASK NARRATIVE TABLE
FY 2010-2011 (FY 2011) UPWP**

I- MPO	Durham Chapel Hill Carrboro MPO
2- FTA Code	442301
3- Task Code	II-B-3
4- Title	<i>Travel Model Updates</i>
5- Task Objective	Ongoing support of TRM service bureau
6- Tangible Product Expected	Updated Triangle Regional Model
7- Expected Completion Date of Products	June-11
8- Previous Work	Ongoing support of TRM service bureau
9- Prior FTA Funds	\$0
10- Relationship	Supports the regional travel model utilized for the LRTP and other transit and highway planning purposes.
11- Agency	Service Bureau/ITRE responsible for task – Triangle Transit is a funding partner
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - FHWA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 Transit - Local 10%	\$ 16,000
20- Section 5307 Transit - NCDOT 10%	\$ 16,000
21- Section 5307 Transit - FTA 80%	\$ 128,000
22- Additional Funds - Local 100%	

**TRIANGLE TRANSITY AUTHORITY
FTA TASK NARRATIVE TABLE
FY 2010-2011 (FY 2011) UPWP**

I- MPO	Durham Chapel Hill Carrboro MPO	
2- FTA Code	442301	
3- Task Code	II-B-10	
4- Title	<i>Transit Element of the LRTP</i>	
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	June-11	
8- Previous Work	Continued and ongoing regional corridor analysis for LRTP and other projects	
9- Prior FTA Funds	\$0	
10- Relationship	This supports regional transit planning for capital investments.	
11- Agency	Triangle Transit (with joint sponsorship by TJCOG and MPOs, NCDOT)	
12- HPR - Highway - NCDOT	20%	
13- HPR - Highway - FHWA	80%	
14- Section 104 (f) PI, Local	20%	
15- Section 104 (f) P I FHWA	80%	
16- Section 5303 Local	10%	
17- Section 5303 NCDOT	10%	
18- Section 5303 FTA	80%	
19- Section 5307 Transit - Local	10%	\$ 4,500
20- Section 5307 Transit - NCDOT	10%	\$ 4,500
21- Section 5307 Transit - FTA	80%	\$ 36,000
22- Additional Funds - Local	100%	

**TRIANGLE TRANSIT AUTHORITY
FTA TASK NARRATIVE TABLE
FY 2010-2011 (FY 2011) UPWP**

I- MPO	Durham Chapel Hill Carrboro MPO	
2- FTA Code	442400	
3- Task Code	II-C-1	
4- Title	<i>Short Range Transit Planning</i>	
5- Task Objective	This covers a portion of staff salaries in the Departments of Commuter Resources and Capital Development related to TTA's short-range transit service and facility planning	
6- Tangible Product Expected	On-going staff salaries	
7- Expected Completion Date of Products	June-11	
8- Previous Work	Ongoing staff salaries	
9- Prior FTA Funds	\$0	
10- Relationship	Provides staff support to carry out TTA planning activities related to service planning and capital development	
11- Agency	Triangle Transit	
12- HPR - Highway - NCDOT 20%		
13- HPR - Highway - FHWA 80%		
14- Section 104 (f) PI, Local 20%		
15- Section 104 (f) P I FHWA 80%		
16- Section 5303 Local 10%		
17- Section 5303 NCDOT 10%		
18- Section 5303 FTA 80%		
19- Section 5307 Transit - Local 10%	\$	67,000
20- Section 5307 Transit - NCDOT 10%	\$	67,000
21- Section 5307 Transit - FTA 80%	\$	536,000
22- Additional Funds - Local 100%		

**TRIANGLE TRANSIT AUTHORITY
FTA TASK NARRATIVE TABLE
FY 2010-2011 (FY 2011) UPWP**

I- MPO	Durham Chapel Hill Carrboro MPO	
2- FTA Code	442302	
3- Task Code	III-D-3	
4- Title	<i>Special Studies</i>	
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 capital cost estimation, financial planning, and transit expert studies for corridors and alignments	
6- Tangible Product Expected	RFP and/or Technical Report	
7- Expected Completion Date of Products	June-11	
8- Previous Work	Rail corridor schedule report from Parsons Brinkerhoff	
9- Prior FTA Funds	\$57,000	
10- Relationship	This task will follow from the transit infrastructure planning conducted for the LRTP.	
11- Agency	Triangle Transit	
12- HPR - Highway - NCDOT 20%		
13- HPR - Highway - FHWA 80%		
14- Section 104 (f) PI, Local 20%		
15- Section 104 (f) P I FHWA 80%		
16- Section 5303 Local 10%		
17- Section 5303 NCDOT 10%		
18- Section 5303 FTA 80%		
19- Section 5307 Transit - Local 10%	\$	13,800
20- Section 5307 Transit - NCDOT 10%	\$	13,800
21- Section 5307 Transit - FTA 80%	\$	110,400
22- Additional Funds - Local 100%		

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
---------	-------------------------	------------------------------	------------	----------	----------

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.

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														
2 Vehicle Miles of Travel														
3 Street System Changes														
4 Traffic Accidents														
5 Transit System Data														
6 Dwelling Unit, Pop. & Emp. Change														
7 Air Travel														
8 Vehicle Occupancy Rates														
9 Travel Time Studies														
10 Mapping														
11 Central Area Parking Inventory														
12 Bike & Ped. Facilities Inventory														
13 Bike & Ped. Counts														
II B Long Range Transp. Plan														
1 Collection of Base Year Data														
2 Collection of Network Data														
3 Travel Model Updates														
4 Travel Surveys	0	0	0	0										
5 Forecast of Data to Horizon year	0	0	0	0										
6 Community Goals & Objectives														
7 Forecast of Future Travel Patterns														
8 Capacity Deficiency Analysis														
9 Highway Element of th LRTP														
10 Transit Element of the LRTP	0		0	0										
11 Bicycle & Ped. Element of the LRTP	0	0	0	0										
12 Airport/Air Travel Element of LRTP														
13 Collector Street Element of LRTP			0	0										
14 Rail, Water or other mode of LRTP														
15 Freight Movement/Mobility Planning														
16 Financial Planning														
17 Congestion Management Strategies														
18 Air Qual. Planning/Conformity Anal.	3,125	12,500	0	0								3,125	12,500	15,625
II - C Short Range Transit Planning														
III-A Planning Work Program														
III-B Transp. Improvement Plan														
III-C Cvl Rgts. Cmp./Otr .Reg. Reqs.														
1 Title VI														
2 Environmental Justice														
3 Minority Business Enterprise														
4 Planning for the Elderly & Disabled														
5 Safety/Drug Control Planning														
6 Public Involvement														
7 Private Sector Participation														
III-D Incidental Plng./Project Dev.														
1 Transportation Enhancement Plng.														
2 Enviro. Analysis & Pre-TIP Plng.														
3 Special Studies	0	0	0	0										
4 Regional or Statewide Planning	4,375	17,500	0	0								4,375	17,500	21,875
III E Management & Operations														
1 Management & Operations	0	0												
Totals	\$7,500	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500	\$30,000	\$37,500

**TRIANGLE J COUNCIL OF GOVERNMENTS
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2010 UPWP**

Task II-B-18: Air Quality Planning

TJCOG will continue to work with DCHC MPO, CAMPO, NCDOT, ITRE, FHWA, RPOs and DENR on air quality related issues, focusing on TIP and LRTP conformity and the development of SIP emissions budget for the forthcoming revision to the national ozone standard and subsequent redesignation of the Triangle as an ozone non-attainment area.

Objectives:

1. To ensure a consistent and coordinated regional approach to air quality requirements across geographic and institutional boundaries.
2. To provide information and support on air quality issues.

Previous Work:

1. Unified conformity reports for the currently designated Ozone Maintenance area covering all or portions of 3 MPOs and 3 RPOs were prepared for the 2030 LRTPs, 2004-10 TIP, 2006-12 TIP, amended 2030 LRTPs, 2007-13 TIP, 2009-15 TIP, 2035 LRTPs and Hopson Road amendment to the 2035 LRTP (in process).
2. Information was provided to all partners on the framework for the previous round of development of SIP motor vehicle emission budgets.
3. The www.triangleair.org website was created as a vehicle to share technical documents.

Proposed Activities:

1. Oversee the Conformity Process associated with the 2012-18 TIP.
2. Collect and disseminate information on air quality issues and ensure that conformity concerns are represented in transportation planning and modeling efforts.
3. Work with MPOs on responding to proposals for revised federal ozone standard and development of the Ozone SIP for the subsequent Triangle non-attainment area.
4. Prepare memos and reports documenting activities.
5. Work with individual MPO members as needed on regional-scale air quality issues.

Products:

1. Conformity Reports for any LRTP or TIP amendments, including all related materials such as schedule/responsibility spreadsheet and Pre-Analysis Consensus Plan.
2. Memos or reports, as needed, addressing MPO concerns and options in the development of new SIP Motor Vehicle Emission Budgets.
3. Clear documentation of all methods, assumptions and data.

**TRIANGLE J COUNCIL OF GOVERNMENTS
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2010 UPWP**

Relationship to Other Plans and MPO Activities:

Air quality conformity is a requirement for TIPs and LRTPs.

Completion Date:

Air quality work schedules are determined by the timing of TIP and LRTP amendments and can overlap MPO fiscal years. Air quality work associated with SIP development is determined by federal and state schedules and can overlap MPO fiscal years.

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

Tasks will be undertaken by existing TJCOG staff.

Funding Commitments from Other Entities:

This is a cooperative project with CAMPO, which is also providing funding. TARPO funding for TJCOG staff time is also allocated to this task.

Task III-D-4: Regional and Statewide Planning

TJCOG will continue to work with DCHC MPO, CAMPO, NCDOT, ITRE, TTA and RPOs in the region on critical coordination issues addressing the intersection of land use development and transportation investments and on related regional-scale efforts, including coordination issues related to the use and improvement of the Triangle Regional Model.

Objectives:

1. To promote consistency and coordination in matching land use decisions with transportation investments; especially investments that transcend MPO boundaries.
2. To provide information and support on the relationships between land use and transportation.
3. To assist the MPOs and their members with SE data development and tracking.

Previous Work:

1. Working with the MPOs on a single, consistent 2035 LRTP document.
2. Helping in the development of Chatham County SE data.
3. Working on regional transportation planning efforts, including the Special Transit Advisory Commission.
4. Provided facilitation of the quarterly meetings of the TRM Executive Committee.
5. Manage and provide technical support and GIS services for MPO planning efforts.

**TRIANGLE J COUNCIL OF GOVERNMENTS
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2010 UPWP**

Proposed Activities:

1. Work with partners on updating land use and socioeconomic data to better model land use for the 2040 LRTP, especially in transit corridors and activity centers and around proposed transit stations.
2. Collect and disseminate information on land use and development issues and ensure that land use concerns are represented in transportation planning and modeling efforts.
3. Continue facilitation of ITRE Model Service Bureau Executive Committee and support coordination between the service bureau and users of the TRM.
4. Work with the MPO, member communities, TTA and other organizations on matching land use decisions to proposed transit investments.
5. Continue to participate in regional and statewide transportation planning efforts such as Joint MPO TAC, TriMAP, the DCHC land use model, the development of transit financial plans, TTA projects, the NC54/I-40 plan and any transit planning efforts for the RTP/RDU area.
6. Prepare memos and reports documenting activities.
7. Work with individual MPO members as needed on regional-scale land use and transportation issues.

Products:

1. Memos and reports, as needed, related to land use and land use scenarios, SE data and project-level consistency across boundaries.
2. Reports, analysis and visualizations designed to promote transit oriented development in appropriate transit corridors.
3. GIS data layers related to land use, SE data and transportation projects, including related natural resource conditions and governmental boundaries.
4. ITRE TRM service bureau executive committee meeting summaries, and any related material.
5. Clear documentation of all methods, assumptions and data.

Relationship to Other Plans and MPO Activities:

Land use projections are requirements for TIPs and LRTPs; consistency on land use, fiscal constraint and transportation projects that cross boundaries are important considerations in developing high-quality plans and programs.

Completion Date:

This phase of work will be completed during the FY10-11 fiscal year, although some tasks may carry over into FY11-12 depending on schedules set by other partners.

**TRIANGLE J COUNCIL OF GOVERNMENTS
TASK DESCRIPTIONS & NARRATIVES
FY 2010-2010 UPWP**

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

Tasks will be undertaken by existing TJCOG staff.

Funding Commitments from Other Entities:

This is a cooperative project with CAMPO and TTA, which are also providing funding. TARPO funding for TJCOG staff time may also allocated to this task.

End of Document.

**RESOLUTION TO REQUEST THE TRANSFER OF
FFY 2010 CONGESTION MITIGATION AIR QUALITY (CMAQ) AND SURFACE
TRANSPORTATION PROGRAM – DIRECT ATTRIBUTABLE (STPDA)
FUNDS FROM FHWA TO FTA
FOR THE DURHAM-CHAPEL HILL-CARRBORO URBAN AREA**

May 12, 2010

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 Congestion Mitigation Air Quality (CMAQ) program provides funding for surface transportation and other related projects that contribute to air quality improvements and reduce congestion; and

WHEREAS, transit projects that are likely to increase transit ridership and reduce congestion are permitted to receive CMAQ funds; and

WHEREAS, the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization (DCHC MPO) approved FFY 2010 CMAQ funds for two eligible transit projects: C-5103 (Durham- provide the 2nd year of operating assistance for hybrid expansion buses purchased in FFY 2009), and C-5104 (Chapel Hill- provide the 2nd year of operating assistance for hybrid articulated buses purchased in FFY 2009); and

WHEREAS, the DCHC MPO approved FFY 2010 CMAQ funds for those two transit projects;

WHEREAS, the Federal Transit Administration (FTA) administers most transit projects through the FTA’s Urbanized Area Formula Grant Program; and

WHEREAS, in order for local governments to receive CMAQ funds for transit projects, the Federal Highway Administration (FHWA) must transfer the funds to the Federal Transit Administration (FTA); and

Now, therefore, be it resolved that:

The Durham-Chapel Hill-Carrboro Transportation Advisory Committee hereby requests that the Federal Highway Administration transfer the Congestion Mitigation Air Quality (CMAQ) funds for FFY 2010 to the Federal Transit Administration for projects C-5103 (Durham to provide the 2nd year of operating assistance for hybrid expansion buses purchased in FFY 2009) and C-5104 (Chapel Hill to provide the 2nd year of operating assistance for hybrid articulated buses purchased in FFY 2009) as described on the attached table as soon as it is authorized to do so.

TAC Chair

STATE of: North Carolina
COUNTY of: _____

I, _____, a Notary Public of Durham County, North Carolina do hereby certify that personally J. Michael Woodard appeared before me on the _____ day of _____ 2010, to affix his signature to the foregoing document.

(Seal)

Notary Public
My commission expires _____

TABLE: FFY 2010 CMAQ FUNDS RECOMMENDED TO BE TRANSFERRED FROM FHWA to FTA.

TIP #	PROJECTS	FFY 2010	FUNDING SOURCE
C-5103	Durham, Provide operating assistance for 2nd year for two hybrid electric buses purchase in FFY 2009	\$ 247,427	CMAQ
C-5104	Chapel Hill, Provide operating assistance for 2nd year for two hybrid electric buses purchase in FFY 2009	\$ 93,767	CMAQ

MEMORANDUM

To: Transportation Advisory Committee (TAC)
DCHC MPO

From: DCHC MPO Lead Planning Agency

Date: May 12, 2010

Subject: **Lead Planning Agency (LPA) Staff Report**

This memorandum provides a summary status of tasks for projects in the FY 2009-2010 Unified Planning Work Program.

- ✓ Indicates that task is complete.
- ✓ Indicates that task is ongoing or not complete.

2009-2010 Unified Planning Work Program (UPWP) – Projects

Comprehensive Transportation Plan (CTP)

- Draft CTP – October 2009
- 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
- Study completion – June 2010

Commercial Vehicle/Freight Survey (TRM Service Bureau Project)

- ✓ Pilot study
- ✓ Obtain DMV records
- ✓ Finalize sample plan
- ✓ Begin survey mail out – Jan 2010
- ✓ Surveyor Training – Jan 2010
- ✓ Survey Data Collection – Jan through March 2010
- Data Processing/Geocoding – April 2010
- Weighting and Expansion – April 2010
- Analysis/Draft Report – May 2010
- Final Report/Draft Dataset – June 2010
- Presentation of Results – July 2010

GIS/Data Integration and Automation

- ✓ Phase I in progress
- ✓ Initial Kick of meeting and scan completed
- ✓ Initiation Workshop report completed
- ✓ Draft Requirement Assessment & Application Development Report - October 2008
- ✓ Needs Assessment Workshop
- ✓ Final Draft Needs Assessment Report
- ✓ Application Development Plan – Sept 09
- ✓ Application Plan/Algorithm for CMP – complete
- ✓ Application Plan/Algorithm for LRTP Tool – Oct 2009
- ✓ Application Plan/Algorithm for SE Data Tool – Oct 2009
- ✓ Supporting Hardware/Software Recommendation – complete
- ✓ Functional capability for TELUDE – Nov 2009
- ✓ Database Design – Feb 2010
- ✓ Database Design Document – Feb 2010
- Strategic Planning Document – Feb 2010
- TELUDE User's Handbook v1 – Mar 2010
- Hands-on Training – May 2010
- TELUDE Test and Evaluation Manual – July 2010
- Project Completion – Sept 2010

Land-use Model Development

- ✓ Multi-year project in progress
- ✓ Review of existing data and need/requirement analysis completed
- ✓ Land use data collection completed
- ✓ Development of Model specification Completed
- ✓ Model architecture and design completed
- Zone level model for Triangle Region v1
 - ✓ Database completion – Aug 09
 - ✓ Initial model estimation – Sept 09

- ✓ Initial calibration – Oct 09
- ✓ 2035 model run – Jan 2010
 - Installation and documentation – Feb 2010
- Parcel level model for DCHC
 - Initial database – Mar 2010
 - Initial model estimation – Apr 2010
 - Initial calibration – May 2010
 - 2035 model run – June 2010
- Installation and documentation – July 2010

Non-Motorized Model Development

- ✓ Phase 1 completed.
- ✓ Phase 2 underway
- ✓ Update and enhancement of Generation Choice Models – Sept 2009
- Development of improved Model Choice model – Jan 2010
- Revision and revalidation of Destination choice models – Mar 2010
- Prepare and implement new TransCAD routines to implement new models – Apr 2010
- Documentation, User's manual, and training – Jun 2010
- Project completion date anticipated in July 2010

ITS Deployment Plan

- ✓ Two Triangle regional stakeholder coordination meetings held.
- ✓ Update of ITS short range strategies for the 2007-2013 TIP.
- ✓ Update of 2007-2010 ITS project – December 2006
- ✓ Request for funding from NCDOT
- ✓ Draft scope of services and Request for Proposals.
- ✓ Consultant selection in spring of 2008
- ✓ Notice to proceed in January 2009
- ✓ Scan of Best practices
- ✓ ITS Vision and goals
- ✓ Gap Assessment
- ✓ Development of ITS Architecture
- ✓ Development of ITS Cost Estimates and Cost database
- ✓ Development of Maintenance Plan
- ✓ Development of IDAS Model
- ✓ Integration & Streamlining of ITS with Transportation Planning.
- ✓ Strategic Deployment Plan
- ✓ Project Management
- ✓ Final Reports
- Completion of Project expected in winter of 2010.

MPO Collector Street Plan

- ✓ Supplemental Agreement with Kimley Horn and Associates
- ✓ Data collection underway
- ✓ Coordination with partner agencies to classify roads and identify collector streets
- Public review (with Comprehensive Transportation Plan in late 2009 or early 2010)

- Completion of study and integration with related plans and review processes

MPO Expansion for the next LRTP Update

- ✓ Approved February 2010. Expansion approved for Orange County. No expansion in Chatham County.

Public Outreach for the East End Connector Planning and Environmental Study

- ✓ LPA working on the Public Involvement and Outreach Program for the East End Connector Planning and Environmental Study (NEPA).
- ✓ Development of mailing list database complete.
- ✓ Received project schedule and time line from NCDOT.
- ✓ Newsletter distributed May 2006
- ✓ Speakers Bureau presentations June 2006 – ongoing
- ✓ First public meeting September 26, 2006
- ✓ Second public meeting – January 30, 2007
- ✓ Alternative 3 selected as LEDPA – June 19, 2007
- ✓ Ad Hoc Committee Meetings – August 9, 2007, August 27, 2007, September 19, 2007, October 10, 2007, November 7, 2007, December 5, 2007
- ✓ Third public meeting December 10, 2007, Orange Grove Missionary Baptist Church
- ✓ Environmental Assessment – signed December 2009
- ✓ Public meeting/hearing – March 25, 2010 and April 27, 2010

Farrington Road/Stagecoach Road Corridor Study

- ✓ This study involved the following tasks:
 1. Data collection and analysis
 2. Traffic circulation plan (including a collector street system plan)
 3. Sub-area modeling analysis and forecast of future demand
 4. Alternative evaluation
 5. Recommendation
- ✓ Kimley Horn and Associates is the consultant
- ✓ Data collection underway
- ✓ Steering Committee proposed
- ✓ Completion of study expected in January
- ✓ Integration in the 2035 LRTP
- ✓ Draft report complete
- ✓ Presentation to TAC – March 2010
- ✓ Resubmit to TAZ – June 2010

MPO Parking Survey and Study (postponed to FY 2011)

- Parking model specification
- Regional Coordination and planning
- Draft scope of services
- Request for Proposal notice
- Consultant selection
- Council contract approval
- Project commences

Contract Number: C200840 **Route:** NC-54
Physical Division: 5 **County:** Durham
Administrative Division: 5 **TIP Number:** R-2904, U-4026
Length: 6.363 miles **Federal Aid Number:** STP-54(5)
Resident Engineer: Jeffrey D. Allen, PE **RE Phone Number:** (919)733-9499
Location Description: NC-54 FROM SR-1999 IN DURHAM CO TO SR-1959 IN DURHAM CO & SR-1999 FROM SR-3014 IN WAKE CO TO NC-54 IN DURHAM CO.
Type of Work: WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS & CULVERTS.
Contractor Name: C C MANGUM COMPANY LLC
Contract Amount: \$35,467,891.08 **Cost Overrun/Underrun:** 6.9%
Availability Date: 2/5/2007 **Letting Date:** 12/19/2006
Completion Date: 11/1/2009 **Work Began:** 2/19/2007
Revised Completion Date: 12/28/2009 **Estimated Completion:** 4/1/2010
Last Estimate Thru: 12/31/2009 **Scheduled Progress:** 100%
Last Estimate Paid: 1/14/2010 **Actual Progress:** 97.44%

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:** 3.95%
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:** 9/3/2010
Last Estimate Thru: 3/31/2010 **Scheduled Progress:** 74.5%
Last Estimate Paid: 4/23/2010 **Actual Progress:** 71.34%

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:** 0%
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: 3/31/2010 **Scheduled Progress:** 6.1%
Last Estimate Paid: 4/16/2010 **Actual Progress:** 10.33%

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

<p>Completion Date: 12/16/2010 Revised Completion Date: Last Estimate Thru: Last Estimate Paid:</p>	<p>Work Began: Estimated Completion: Scheduled Progress: Actual Progress:</p>
<p>Contract Number: C202496 Physical Division: 5 Administrative Division: 5 Length: 2.9 miles Resident Engineer: Chad D. Hinnant Location Description: 3 SECTIONS OF US-15/501 BUS AND 3 SECTIONS OF SECONDARY ROADS. Type of Work: MILLING & RESURFACING. Contractor Name: REA CONTRACTING A DIVISION OF THE LANE CONSTRUCTION CORPORAT Contract Amount: \$861,556.72 Availability Date: Completion Date: Revised Completion Date: Last Estimate Thru: Last Estimate Paid:</p>	<p>Route: US-15501 County: Durham TIP Number: R-5164C Federal Aid Number: STM-0015(30) RE Phone Number: (919)220-4680 Cost Overrun/Underrun: Letting Date: 1/19/2010 Work Began: Estimated Completion: Scheduled Progress: Actual Progress:</p>
<p>Contract Number: C202538 Physical Division: 5 Administrative Division: 5 Length: 22.96 miles Resident Engineer: Cadmus Capehart, PE 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 Availability Date: 3/15/2010 Completion Date: 12/16/2010 Revised Completion Date: Last Estimate Thru: 4/22/2010 Last Estimate Paid: 5/3/2010</p>	<p>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 County: Durham TIP Number: Federal Aid Number: RE Phone Number: (919)840-0914 Cost Overrun/Underrun: 0% Letting Date: 1/19/2010 Work Began: 4/5/2010 Estimated Completion: 12/16/2010 Scheduled Progress: 5.1% Actual Progress: 6.23%</p>
<p>Contract Number: DH00005 Physical Division: 8 Administrative Division: 8 Length: 0.3 miles Resident Engineer: Marty C. Tillman Location Description: NC-751 AT SR-1731 (OKELLY CHAPEL RD). Type of Work: CONSTRUCT LEFT TURN LANE AND INSTALL SIGNAL AT INTERSECTION. Contractor Name: S. T. WOOTEN CORPORATION Contract Amount: \$301,260.69 Availability Date: 10/5/2009 Completion Date: 4/30/2010 Revised Completion Date: Last Estimate Thru: 4/7/2010 Last Estimate Paid: 4/14/2010</p>	<p>Route: NC-751 County: Durham TIP Number: SF-49081 Federal Aid Number: STM-0751(23) RE Phone Number: (919)776-9623 Cost Overrun/Underrun: 0% Letting Date: 9/16/2009 Work Began: 3/16/2010 Estimated Completion: 9/12/2010 Scheduled Progress: 91.5% Actual Progress: 7.88%</p>

ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC MPO

County	WBS #	Route	Location Description	Amount	Status
Orange	36945	SR 1010 (Franklin St.) @ Mallette St.	Upgrade traffic signal and install pedestrian signal heads REVISION: Install mast arm	\$110,000.00	Spending Authority FY '10-'11
Orange	41593	Union Street	Construct 750 feet of sidewalk and a crosswalk to connect Hillsborough Elementary School to SR 1156 (Nash St.)	\$32,000 (Statewide Contingency)	See U-4726 JA
Orange	42486	SR 1008 (Mt. Carmel Ch. Rd.) @ SR 1913 (Bennett Rd.)	Install solar powered flashers at both approaches to the intersection	\$10,000	Flashers operating 10/6/09; request to close 5/4/10
Orange	42501	US 15/501/NC54 (Fordham Blvd.) at SR 1900 (Old Mason Farm Rd.)	Construct bus pulloffs on both sides	\$140,000	FA const. to begin after compl. of sidewalks on U- 4726 IE; est. compl. 11/1/10
Orange	42502	SR 1010 (Franklin St.) between Hillsborough St. and Plant Rd.	Replace deteriorated curb and gutter at several locations on both sides	\$30,000	Municipal Agreement to Town for execution 3/9/10; Const. FY '10-'11
Orange	42810	SR 1713 (Mt. Hermon Ch. Rd.) and SR 1710 (Old NC 10)	Install a flasher	\$15,000	Installation =100% compl.; req. to close 5/4/10
Orange	7CR.10681.15	NC 57 from joint north of SR 1544 (Pearson Rd.) to approx. 685' south of centerline of NC 157	Widening, resurfacing and pavement markings		S.T. Wooten Corp.- work = 100% compl. ; final insp. 4/27/10
Orange	7CR.10681.16 7CR.20681.16	NC 54 and 11 sections of secondary roads	Milling, resurfacing and shoulder reconstruction		S.T. Wooten Corp. -Pre-con. conf. 4/1/10; FA patching compl.; work to begin 5/15/10
Orange	B-4216	SR 1002 (St. Mary's Road)	Replacement of Bridge # 66 over Stroud's Creek	\$800,000	Dane Const. Inc. began work 3/8/10= 8.99% compl.
Orange	I-4716	I-40	Grind and reseal joints on I-40 from I-85 to Durham Co. ((Patching spalls, Diamond grinding and slab repair added)	\$7.4 million	Safety Grooving & Grinding, L.P., Napoleon, Ohio - night work began 4/19/10; grinding began 5/3/10

ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC MPO

Orange	I-5142	I-85/I-40	Mill, resurface and install pavement markers and rumble strips from west of SR 1114(Buckhorn Road) to the I-85/I-40 interchange	\$8.60 million	C.C. Mangum Co., LLC; will begin work 7/12/10 and compl. all lanes in one direction by Dec.-lanes in other direction will be compl. by 7/15/11
Orange	42170 SS-4907 T 42204.2 42204.1	SR 1710 (Old NC 10) @ NC 86	Construct a right turn lane on SR 1710 and install a traffic signal	\$215,000	Roadway design compl.; signal design underway; Plans to R/W 4/21/10-Const. FY '10-'11
Orange	42171 SS-4907 U 42205.2 42205.1	SR 1710 (Old NC 10) @ SR 1713 (Mt. Herman Church Road)	Improve sight distance on SR 1710 by lowering the crest vertical curve on the westbound approach to the intersection	\$300,000	Design underway; Const. FY '10-'11
Orange	42423.3 42423.1 SS -4907V	SR 1005 (Old Greensboro Rd.) @ SR 1951 (White Cross Rd.)	Realign intersection	\$165,000	Survey compl. & Design pending ; Const. FY '10-'11; flasher has been installed by separate project
NCDOT PROJECTS CURRENTLY IN 12 MONTH LETTING LIST					
County	TIP #	Route	Location Description	TIP Est.	Est. Let Date
Orange	U-0624	NC 86 (S. Columbia St.)	Corridor upgrade including Bicycle lanes from SR 1906 (Purefoy Rd.) to SR 1902 (Manning Dr.)	\$4.30 million	Nov. 2011
Orange	U-3306	SR 1733 (Weaver Dairy Rd.) from NC 86 to SR 1734 (Erwin Rd.)	Grading, drainage, paving, signals, curb and gutter	\$13.4 million	July 20, 2010

**ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC MPO
ARRA**

County	WBS #	Route	Location Description	Amount	Status
Orange	B-5191A	Various	Repairs to Bridge expansion joints (Bridge #6 on US 70 Bus. over the Eno River)	\$40,000	ARRA- Applied Polymeric, Inc.- compl. 1/28/10
Orange	EL-4601	Morgan Creek Greenway	Construct Greenway	\$940,000	ARRA- Sullivan Eastern began work 3/12/10; Invoice #1 pending payment
Orange	EL-5103	Carrboro	Construct bus shelters at 4 locations	\$48,296	ARRA- WC Construction -Pre-con. conf. 4/9/10- work has not begun
Orange	ER-5100 GE	US 15-501@ SR 1734 (Erwin Rd./Europa Dr.)	Plantings	\$65,000	ARRA -Plymouth Nursery and Landscaping - work has begun
Orange	I-5138	I-85	Mill, resurface, and overlay from I-85/I-40 split to Bridge over SR 1006 (Orange Grove Rd.)	\$2.0 million	ARRA-Rea Contracting, LLC; Night work- signs erected 4/6/10 ; paving began 4/11/10
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.; Pre-con. conf. 3/31/10- work to begin 5/17/10
Orange	R-5178B	NC 86 (S. Columbia St.) from SR 1010 (Franklin St.) to Cameron Ave.	Mill, resurface, and replace curband gutter	\$200,000.00	ARRA-Eastern Services, LLC dba Raleigh Paving- work not available until 5/17/10
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= 10.78% compl.
Orange	U-4704	Chapel Hill-Carrboro	Computerized Traffic Signal System	\$5.175 million	ARRA-Brooks Berry Haynie & Assoc., Inc.; Mableton, Ga. =2.69% compl.
Orange	U-4726 DA	Carrboro	Construct sidewalk on Ashe St. from W. Main St. to Shelton St.	\$284,176.00	ARRA- Centurion Construction Co. ;Pre-con. conf. 2/8/10-no work underway
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; Pre-con. conf. 2/8/10- began work 3/22/10

**ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC MPO
ARRA**

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 began clearing and grubbing work 2/22/10
Orange	U-4726 IA	Chapel Hill	ADA ramps at selected locations	\$53,924.00	ARRA- Econ International =75% compl.-all WCR to be installed per NCDOT Std.- slow progress
Orange	U-4726 IB	Chapel Hill	Raised crosswalks/traffic calming	\$65,189.00	ARRA -Turner Asphalt ; signs installed but no work underway
Orange	U-4726 IC	Chapel Hill	Pedestrian safety improvements (refuge islands @ 7 locations)	\$370,014.80	ARRA-Econ International; work began 2/16/10- slow progress
Orange	U-4726 ID	Chapel Hill	Install in-street pedestrian lighting	\$0.00	ARRA-Project voided by request of Town; funds redistributed to other Town projects
Orange	U-4726 IE	Chapel Hill	Sidewalk construction on US 15-501/NC54 from SR 1902 (Manning Dr.) to Old Mason Farm Rd.	\$142,613.00	ARRA- Holmes Contracting began drainage, curb and gutter on 2/8/10; Supplemental construction agreement will be needed; Final insp. held 4/30/10
Orange	U-4726 JA	Hillsborough	Construct sidewalks	\$1,034,110.00	ARRA, STP-DA, & Contingency - S.T. Wooten Corp.began clearing & grubbing and erosion control on 3/1/10; drainage work underway
NCDOT PROJECTS CURRENTLY IN 12 MONTH LETTING LIST					
County	TIP #	Route	Location Description	TIP Est.	Est. Let Date
Orange	TA-5117		Two 28' light transit vehicles w/ wheelchair lift	\$183,200.00	ARRA Letting by County TBD

**TARPO TCC/TAC Meeting
Division 8 Project Report**

COUNTY	WBS #	ROUTE	DESCRIPTION	TOTAL FUNDING ALLOCATION	CONTRACT BID AMOUNT	STATUS	MAP
Chatham	41700 SF-4908J	NC 751	Install protected permitted traffic signal and left turn lane at intersection of NC 751 and SR 1731 (O'Kelly Church Road)	PE: \$10,000 ROW: \$58,214.50 Const: \$523,000.00	\$301,260.69	Awarded to S.T. Wooten Corp. Available 10/5/09; Currently at 7.9% complete; Scheduled completion is 4/30/10; Claim pending, probable time extension. Economic Stimulus Project	
Chatham	8CR.20191.1 2	8 sections of secondary roads	Contract resurfacing	\$2,600,000.00	\$2,641,575.45	Awarded to Riley Paving, Inc.; Available 11/30/09; Scheduled completion 8/13/10	
Chatham	42221	NC 87 from south of SR 1516 to north of SR 1516	Construct elliptical roundabout near CCCC in Pittsboro	\$375,000.00	\$584,478.20	Project let on January 21, 2010; Awarded to Sanford Contractors, Inc; Availability date is 3/1/10; Scheduled completion date is 8/13/10; Economic Stimulus Project	
Chatham	36268 U-4726FA & 45067 ER-5100HA	US 15-501 from Cole Park Plaza to Orange County	Install pedestrian facilities (sidewalk) & Streetscaping/Landscaping	U-4726FA PE: \$22,000.00 Const: \$198,000.00 ER-5100HA PE: \$2,525.00 Const: \$22,730.00	\$144,614.00	Chatham County Municipal Agreement; Letting scheduled for 12/3/09; Awarded to White Oak Construction Corp; Availability Date is 1/5/10; Scheduled completion is 6/15/10; Economic Stimulus Project	
Chatham	41848.3 SS-4908K	US 64 and SR 2229 (Treatment Plant Road)/SR 1363 (Pearlman Teague Road)	Island construction and improvements to accommodate U-turns	PE: \$27,000.00 ROW: \$11,000.00 CONST: \$19,000.00		Design is complete; ROW being acquired; Anticipated letting in June 2010	

Deadly rail crossing to get safety makeover from state, city

From staff reports

RALEIGH -- In the aftermath of a Dec. 9 train/SUV collision that killed two Spring Valley Elementary School children, the state Department of Transportation and the City of Durham announced Wednesday they will make improvements to the Ellis Road railroad crossing

The NCDOT Rail Division will coordinate the revision of railroad signals and synchronize with new traffic signals at the adjacent intersections of Ellis Road with Angier Avenue and Pettigrew Street. The signals will take into account approaching trains, peak hour traffic volume and potential delays.

"The installation of railroad-preempted traffic signals at both intersections will keep traffic running more smoothly there," said NCDOT Rail Division Director of Engineering and Safety Paul Worley. "We're working to improve safety by reducing the number of motorists who pull onto the tracks in order to make the signal light at those intersections during rush-hour and at other times when traffic is heavy."

The pending improvements follow a recent report by PBS&J engineering firm, which studied traffic operations at that crossing and offered suggestions for making it safer. The Ellis Road rail crossing has been the site of multiple crashes, including the one on Dec. 9.

NCDOT's long-term solution is to close the Ellis Road rail crossing once a project approach is developed and funding becomes available. NCDOT and the City of Durham plan a comprehensive study of all the at-grade crossings within city limits in the coming year. That will identify near and long-term safety and traffic mobility needs including an alternative to the Ellis Road crossing.

Worley said construction and installation of new traffic signals could take 12 to 18 months. The total cost of the improvement project is estimated at \$500,000 with the majority of the funding coming from NCDOT. The City of Durham also is expected to contribute to the project.

In the Dec. 9 wreck, Durham police say a 2001 Ford Explorer driven by Deborah Peaks Bingham of Durham, was traveling north on Ellis Road on Dec. 9 when Bingham stopped on the northernmost railroad tracks and the crossing arms activated, hitting her front windshield. She then backed up and stopped on the southernmost track, he said.

Bingham then tried to move forward -- north -- before the collision killed her two young sons, according to the official police report compiled by Officer Howard Henry.

As Bingham tried to drive forward over the tracks, an Amtrak passenger train hit her Explorer in the rear right quarter panel, causing her two sons -- Spring Valley Elementary School students Calvin Brandon, 9, and Hassan Bingham, 6 -- to be thrown out and killed.

Deborah Bingham survived.

Witnesses said Bingham was pinned in by traffic that had built up at the intersection, as it usually does during rush hour. The accident happened about 5:19 p.m.

The train was driven by Freddie Gibson of Raleigh.

There was no evidence of alcohol or drug use by either driver.

Investigators estimate the train was traveling at 74 mph -- within the 79 mph speed limit -- when the wreck occurred. Officials have said they do not plan to file any charges in the wreck.

Perdue taps two familiar sources for transportation money

Submitted by Bruce Siceloff on 04/21/2010 - 11:10
Newsobserver.com blogs

Gov. Bev Perdue isn't ready to hike taxes to meet more of the state's transportation needs, but in [her 2011 budget proposal](#) she finds \$94.6 million in "new" money from two sources the legislature has tapped in the past.

She proposes to hike [Division of Motor Vehicles fees](#) again (\$74.6 million) to help establish the N.C. Mobility Fund for big transportation projects. (See [today's story](#) - some details were cut because of space limitations.)

And she cuts off another slice (\$22 million) of the controversial transfer from the road-building Highway Trust Fund that, until a few years ago, was pumping \$172 million a year into the non-transportation General Fund.

The annual registration fee for cars and light trucks will rise from \$28 to \$35 if the legislature adopts Perdue's recommendation.

That's worth \$48.9 million. Car owners won't be happy about the \$7 increase, especially after [DMV has been so ham-handed and customer-hostile](#) in its two-year campaign to link inspections with registration renewals.

The fee paid by insurance companies to get copies of driver license records also would rise by 25 percent, to generate \$17 million. Insurance firms won't like that. Two other DMV fee hikes are worth \$6.7 million.

The Highway Trust Fund transfer was established in 1989 to compensate the General Fund for the loss of about \$172 million in yearly sales taxes on cars. The car tax was replaced by a similar highway use tax on car sales, with this money going to the Highway Trust Fund instead.

It wasn't controversial until the Easley administration and the General Assembly started raiding the Highway Trust Fund to balance the General Fund budget. Between 2001 and 2006, they took an extra \$525 million from the Highway Trust Fund. Later they repaid only \$125 million of this.

But - blog commenters and letter writers to the contrary - legislators and governors stopped plundering the Highway Trust Fund after 2006, and they started phasing out that annual transfer to the General Fund.

For fiscal year 2010, the General Fund received \$108.5 million from the Highway Trust Fund. The other \$64 million went to the [N.C. Turnpike Authority](#), to cover gaps between the cost of three toll road projects and the money expected to be collected in toll revenues from drivers.

Starting in 2011, the Turnpike Authority will get \$99 million a year in gap funding for four projects: the Triangle Expressway in Wake and Durham counties, the Monroe Connector / Bypass in Mecklenburg and Union counties, the Mid-Currituck Bridge in Currituck County, and the Garden Parkway in Mecklenburg and Gaston counties.

That would leave \$72.8 million to be transferred from the Highway Trust Fund to the General Fund, but Perdue wants \$22 million of this for her new N.C. Mobility Fund.

If the legislature agrees, the General Fund transfer will drop to \$50.8 million a year.

And there will be more reductions in that number in coming years. Perdue wants the yearly appropriation for her Mobility Fund to grow to \$300 million a year.

If she grabs that other \$50.8 million in 2012, where will she find the rest?

A gas tax hike doesn't seem likely. But the highway use tax on car sales, lower in North Carolina than in neighboring states, looks like a stronger candidate once the economy rebounds.

You can expect political leaders to consider hiking the use tax rate, or changing the way North Carolina calculates it - which reduces the tax based on the value of trade-in cars.

But not this year.

Transportation fund would ride on \$7 car fee

Published Wed, Apr 21, 2010 06:56 AM

Modified Wed, Apr 21, 2010 12:16 AM

The governor called Tuesday for a \$7 increase in car registration fees as part of a plan to establish a fund for big statewide transportation projects.

Her budget proposal included \$94.6 million to create the N.C. Mobility Fund. In a letter to the legislature, Perdue said the fund would "address critical congestion bottlenecks."

Durham Mayor Bill Bell praised the proposal.

"We believe infrastructure spending such as this will both create jobs and address the urgent congestion needs in our state," said Bell, chairman of the N.C. Metropolitan Mayors Coalition, an advocacy group for urban needs.

It wasn't clear how Mobility Fund projects would be selected or who would pick them.

Administration officials said most of the money for the first two years would be earmarked for a \$150 million project to widen a four-lane section of Interstate 85 near the antiquated Yadkin River bridge at Salisbury.

To create the fund, Perdue would turn to two sources: She called for increases in Division of Motor Vehicles fees worth \$72.6 million. Her budget would generate \$48.9 million by adding 25 percent or \$7 to car registration fees, now \$28. An additional \$17 million would come from a 25 percent increase in the fees insurance companies pay for copies of driver license records.

News and Observer Staff writer Bruce Siceloff

TTA agrees to run DATA buses

Published Thu, Apr 29, 2010 05:42 AM

Modified Wed, Apr 28, 2010 10:06 PM

DURHAM Tom Bonfield runs a city served by three bus systems, but he thinks the Triangle's three counties will run better when they all share one transit service.

Bonfield, Durham's city manager, provided the push behind a plan approved by City Council for Triangle Transit to take over planning, marketing and management for DATA, Durham's city bus line.

Triangle Transit's trustees endorsed the idea Wednesday. They hope to sign a contract with Durham this summer.

"I believe it's not just for Durham's benefit, but it's the beginning of the region's benefit," Bonfield said.

Leaders in Wake, Durham and Orange counties have moved in recent years toward merging city and university bus lines with the three-county Triangle Transit agency.

The bus agencies have begun coordinating their routes, fares and technology. Triangle Transit provides a regional call center and website.

The DATA plan could move the Triangle another step toward merger while leaders are planning a regional light-rail line and other transit improvements.

But the DATA plan makes no mention of combining transit agencies, and there have been no recent talks about a comparable deal with other bus systems.

Oversight shifts

Triangle Transit would take the place of six Durham city officials who oversee the Durham Area Transit Authority, which counted 5 million riders on its 17 routes last year.

The city administers DATA indirectly - through a private management firm - because state law bars the local government from direct bargaining with DATA's unionized drivers. Triangle Transit would inherit this indirect role in October, when Durham plans to replace or rehire its management firm with a new three-year contract.

Some DATA riders and employees are uneasy about the change. Leaflets and rumors have circulated, warning that Triangle Transit will cut evening and Sunday service.

"That's what the bus drivers have been telling us," rider Ashley McDonald said Wednesday as she changed buses at the Durham Station transit center.

McDonald, 23, keeps two children in day care while she looks for work. She relies on DATA for six to 10 bus trips a day.

"Everything I do, I use the bus as my transportation," she said. "If they cut the hours, how would I get around?"

Bonfield said Triangle Transit would not be allowed to cut service or alter routes during the first year of the contract. Any changes would require City Council approval.

Triangle Transit officials said their first goal would be a seamless transition in management, so that riders and employees would not notice any change. Long-range prospects for a regional merger will depend on whether Triangle Transit does a good job with DATA.

More mergers?

"It's important for us to make sure we manage this effectively, and we'll see what happens from there," said David King, Triangle Transit's general manager.

Bonfield said it doesn't make sense for DATA, Triangle Transit and Duke University buses to operate separately in Durham. He predicted that the region will gravitate toward a shared bus service.

"If we're serious about building a modern transportation system that includes light rail or commuter rail, it has to be supported by a highly functioning, integrated bus system," Bonfield said.

"It won't work without that."

bruce.siceloff@newsobserver.com or 919-829-4527

Mayor lays out case for Smith Level Road plan

Apr 29, 2010 • Posted in: [News](#), [Top Story](#) • [2 Comments](#)

By Kirk Ross, Staff Writer, The Carrboro Citizen

CARRBORO — After a public hearing Tuesday night at Town Hall in which more than a dozen residents along the Smith Level Road corridor expressed their strong opposition to a new widening plan for the road, Carrboro Mayor Mark Chilton recognized himself and gave a sometimes-passionate plea for the plan along with several testy retorts to some of the charges residents made about the project.

Chilton, who bounded to the podium in support of the project after it was pointed out no one had spoken in support of it, said he believes the compromise for a two-lane road with bike lanes and sidewalks is likely a now-or-never deal for the town to improve the road.

Chilton acknowledged his willingness to compromise last year on a possible four-lane design – he was the lone “yes” vote for the plan, which was defeated 6 to 1 – but said he has been adamant with state Department of Transportation officials since then that the town would not accept a four-lane road.

The latest plan, Chilton said, came after he had a tense exchange last year with DOT Chief Operating Officer Jim Trogdon at a conference in Charlotte. Trogdon had been explaining to a group of mayors how the DOT was trying to be more responsive to communities’ priorities and Chilton cited the stalled Smith Level plan and the DOT’s unwillingness to compromise in response.

Chilton said a few months after the exchange, he was invited to a meeting in Raleigh where he was shown three more four-lane plans and a two-lane plan similar to the one before the board.

In making his case Tuesday night, Chilton explained the process for allocating various types of transportation funding and said if the town rejected the plan it would likely never be able to afford to build the sidewalks and bike lanes on its own.

“[DOT officials] have come a hell of a long way,” Chilton said. “It would be a tremendous mistake to throw the baby out with the bathwater.” The town, he said, has been waiting on the bike lanes and sidewalks for more than two decades.

Prior to Chilton’s comments, several residents said they believed the DOT really wants to build a four-lane road, citing DOT planners who contend that they believe a wider road will one day be needed. Part of the compromise between the town and DOT allows for the state to acquire enough right-of-way to eventually widen the road to four lanes. DOT officials have said they would not add lanes unless the town asked it to do so.

Gregg Dito, who said he had lived in the area around Smith Level Road for 17 years, said because of that he did not believe the road would stay two lanes.
 "This is a wolf in sheep's clothing," he said.

Pierre Monnet said it doesn't make sense for the road's right-of-way to be wide enough for four lanes.
 "Who needs a four-lane road for a quarter-mile length," he said.

Much of the opposition expressed on the new design came from residents in the Berryhill neighborhood. The road's design calls for a median that would prevent a left turn onto Smith Level Road out of the neighborhood at Willow Oak Lane. Berryhill residents said they believe the added number of cars traveling through the neighborhood to BPW Club Road would be unsafe.

Linda Levitch said the change doesn't make sense.
 "Almost everybody, when they leave the neighborhood, heads north toward Carrboro," she said.

After Chilton's testimony, the board took up next steps on the plan. Alderman Jacquie Gist, who has long opposed the various widening plans, said she was swayed by the mayor's appeal.

She said since much of the traffic on Smith Level Road is local traffic, the community should take some responsibility for the DOT's insistence that it be wider. "We have to take some responsibility," she said.
 "Most of the traffic congestion is people driving their kids to school."

The board continued the public hearing until June 1 and asked for a review of the project by the town's Transportation Advisory Board, as well as accident-report and traffic information on the Berryhill neighborhood. Board members also asked for a review of how many trees along the route would need to be removed.

Published Tue, May 04, 2010 02:00 AM

Modified Tue, May 04, 2010 06:28 AM

Relief is on the way for the 540 bottleneck at I-40

They built it wrong 13 years ago, and commuters have suffered every workday since then. This spring, finally, they started trying to make it right.

The busy 540 Outer Loop interchange at Interstate 40 was under-designed as a humble cloverleaf. It has mostly skinny, single-lane off-ramps that choke under pressure at rush hour.

It's especially bad during the morning rush - and especially at the ramp from westbound 540, which takes hordes of northern Wake County folks toward Research Triangle Park on westbound I-40.

"You can lose up to 10 minutes there if the queue is backed as far as Aviation Parkway, which it sometimes is," said Fred Holt, who drives from his home in North Raleigh to his office between Durham and Chapel Hill.

In April, the state Department of Transportation started work on a \$7.6 million contract to add a new outside lane. It starts on 540 West and runs about a mile, doubling the width of the off-ramp and continuing on I-40 West to the Page Road exit. The job, which includes some repaving on I-40, should be finished by the end of December.

"It should significantly reduce that traffic backup," said Jeffrey Allen, the DOT engineer overseeing the fix.
 "That extra lane for the I-40 West ramp will decrease the morning queues."

The backups eased only a bit in 2007 after the 540 Outer Loop was extended three miles south of I-40, opening alternate paths into RTP.

Front of the line

Holt hopes for real improvement after the interchange work is finished late this year. Each morning he moves into the clogged exit lane for I-40 West and watches other drivers whip past him in a lane marked for the I-40 East exit.

Most of them actually are headed for I-40 West. They're looking for chances to break into the front of the line.

"The problem is that people get in the I-40 East lane and stay in it to the last minute, and then try to merge into the west lane," Holt said. "As long as you have that, you're going to have stop-and-go traffic because people have to stop and let them in."

Smarter commuting

More than 4,100 Triangle commuters so far have taken this year's SmartCommute Challenge pledge to try an alternate way of traveling to work or to campus.

Bikes, gadgets, \$1,500 cash and other prizes are offered in the campaign, which ends May 15. A \$750 prize is offered in a related flickr.com photo contest, for the best commuter picture.

Wake, Durham and Orange county commuters can sign up and learn about transit, carpooling and other options at smartcommutechallenge.org.

Enlighten the Road Worrier: blogs.newsobserver.com/crosstown or 919-829-4527 or bruce.siceloff@newsobserver.com. Please include address and daytime phone. Comments, questions and tips welcome.

Now you've got more **OPTIONS!**

New Mid-Day Service begins June 5, 2010

Southbound	Train 73	Train 75	Train 79
Raleigh	6:50am	11:50am	4:50pm
Cary	7:02am	12:02pm	5:03pm
Durham	7:22am	12:22pm	5:24pm
Burlington	7:58am	12:58pm	6:01pm
Greensboro	8:23am	1:23pm	6:32pm
High Point	8:40am	1:40pm	6:49pm
Salisbury	9:14am	2:14pm	7:25pm
Kannapolis	9:30am	2:30pm	7:42pm
Charlotte	(ar) 10:02am	(ar) 3:02pm	(ar) 8:14pm
Northbound	Train 80	Train 74	Train 76
Charlotte	7:30am	12:30pm	5:15pm
Kannapolis	7:57am	12:57pm	5:42pm
Salisbury	8:15am	1:13pm	5:58pm
High Point	8:48am	1:45pm	6:30pm
Greensboro	9:11am	2:06pm	6:51pm
Burlington	9:33am	2:27pm	7:12pm
Durham	10:13am	3:04pm	7:49pm
Cary	10:33am	3:24pm	8:09pm
Raleigh	(ar) 10:48am	(ar) 3:43pm	(ar) 8:28pm

The *Piedmont* and *Carolinian* trains are sponsored by the state and passenger fares. The newly refurbished *Piedmont* train cars are equipped with vending snack and drink machines, and a limited number of roll-on bike racks. Complete schedule and train information is available at bytrain.org. Reservations are required. Travelers should book early for best fares. Tickets can be purchased at walk-up window sales and automated ticket kiosks at stations, Amtrak.com or by calling 1-800-USA-RAIL.

*Times are departure times unless indicated by (ar) for arrival times.
 Schedules are subject to change without notice.*