

Member Governments

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

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

AGENDA

**May 28, 2008
9:00 a.m.**

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

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

ACTION ITEMS

**4. Approval of April 23, 2008 TCC Meeting Minutes
(Attachment 4)**

A copy of the April 23, 2008 minutes is enclosed as Attachment 4.

TCC Action: Approve minutes of the April 23, 2008 TCC meeting.

**5. 2035 Long Range Transportation Plan and Comprehensive Transportation Plan
(Attachment 5, 5A, 5B)
Andy Henry, LPA Staff**

The LPA presented the proposed Alternatives for the 2035 LRTP at the May 14, 2008 TAC meeting. The documents presented included the following attachments:

- Attachment 5 – Table showing the combinations of Transportation Systems and Land Use Scenarios;
- Attachment 5A – Detailed project list by Alternative (this version has been updated based on TAC comments); and,
- Attachment 5B – Detailed LRTP Schedule (this version has been updated based on TAC comments).

Among several minor comments, the TAC made two principal requests:

- The public hearings for the Alternatives and the Preferred Option should be an evening meeting; and,

- If the Alternatives are to be released for public comment at the June TAC meeting, the TAC must receive the Alternatives data before that meeting to permit time for TAC member review.

The LPA will provide an update on the 2035 LRTP development process and the Alternatives.

TCC Action: Receive update and provide comments.

6. FY 2007-2013 Metropolitan Transportation Improvement Program Administrative Modification #3

(Attachment 6, 6A)

Ellen Beckmann, LPA Staff

The North Carolina Department of Transportation recently identified additional Congestion Mitigation Air Quality (CMAQ) and Section 5309 funds for the Durham Area Transit Authority (DATA), Chapel Hill Transit, and Triangle Transit. These funds must be obligated in FFY 2008. In order to use this funding, the DCHC MPO must approve an administrative modification to the FY 2007-2013 Metropolitan Transportation Improvement Program (MTIP). Attachment 6 is a resolution adopting Administrative Modification #3 to the FY 2007-2013 MTIP. This includes a table that lists the projects that DATA, Chapel Hill Transit, and Triangle Transit have identified for these funds.

In addition, the DCHC MPO must request that the CMAQ funds be flexed from the Federal Highway Administration to the Federal Transit Administration. Attachment 6A is a letter making this request.

TCC Action: Recommend that the TAC approve Administrative Modification #3 to the FY 2007-2013 Metropolitan Transportation Improvement Program (Attachment 6) and send the letter requesting that the CMAQ funds be flexed to FTA (Attachment 6A).

7. FY 2009-2015 Metropolitan Transportation Improvement Program
(Attachment 7, 7A, 7B, 7C, 7D, 7E)

Ellen Beckmann, LPA Staff

The State Board of Transportation released the draft FY 2009-2015 STIP on October 31, 2007 (Attachment 7A). The DCHC MPO released the supplement to the draft STIP as the draft MTIP in January and held a public hearing in February. In addition, NCDOT held public comment meetings on the STIP in February. One-on-one meetings for Division 5 and Division 7 were held in February and March. The agendas for the one-on-one meetings are included as Attachment 7B and 7C.

NCDOT staff have provided the LPA a report showing anticipated changes between the draft STIP and the final STIP (Attachment 7D). NCDOT staff has reported that the final FY 2009-2015 STIP will be approved by the State Board of Transportation in June. A staff memo on the final FY 2009-2015 STIP and MTIP is provided as Attachment 7.

In addition to approving the final FY 2009-2015 MTIP, the TAC must also approve the Air Quality Conformity Determination report for the FY 2009-2015 MTIP (Attachment 7E). There are several appendixes available on the Triangle Air Quality Partnership website:

<http://www.triangleair.org/topics.htm#transconf>. In March, the TAC released the report for public comment and held a public hearing for the April TAC meeting. The DCHC MPO TAC must approve the 2009-2015 MTIP and conformity report by September 2008.

TCC Action: Recommend that the TAC approve the FY 2009-2015 Metropolitan Transportation Improvement Program and the Air Quality Conformity Determination Report (Attachment 7E).

8. Memorandum of Agreement between the DCHC MPO, DATA, Chapel Hill Transit and Triangle Transit

(Attachment 8)

Felix Nwoko, LPA Staff

The purpose of this agreement is to specify cooperative procedures and for carrying out transportation planning and programming in the DCHC metropolitan planning area in compliance and conformance with federal planning regulations (23 CFR 450, Subpart C). This MOA (Attachment 8) is intended to make explicit and expand upon existing cooperating planning and programming procedures and activities, and to establish new or expanded cooperative procedures where necessary in order to meet federal requirements for a continuing, cooperative and comprehensive urban transportation planning process.

TCC Action: Recommend that the TAC execute the Memorandum of Agreement between the DCHC MPO, DATA, Chapel Hill Transit, and Triangle Transit.

9. Pedestrian Safety Workshop – Issues for Discussion

(Attachment 9)

Dale McKeel, LPA Staff

Dale McKeel has been invited to represent the DCHC MPO at a Pedestrian Safety Action Plan Workshop, facilitated by the Federal Highway Administration, on June 4 and 5. The purpose of the workshop is to develop realistic strategies to make North Carolina a safer and more pleasant place to walk. TCC members are asked to provide suggestions for issues that need to be discussed at the workshop, including suggested adjustments to state policies, procedures, designs, and construction practices. Attachment 9 is a letter and email describing the upcoming workshop.

TCC Action: Discuss and recommend adjustments to state policies, procedures, designs, construction practices, etc. related to pedestrian safety.

REPORTS FROM STAFF:

10. Reports from Staff

(Attachment 10)

Felix Nwoko, LPA Staff

TCC Action: Receive Report from staff

11. Report from the Chair

Mark Ahrendsen, TCC Chair

TCC Action: Receive Report from TCC Chair

12. NCDOT Report

(Attachment 12)

Wally Bowman, Division 5 – NCDOT

Mike Mills, Division 7 – NCDOT

INFORMATIONAL ITEMS

PENDING ITEMS

Adjourn

Next meeting: June 25, 2008

TECHNICAL COORDINATING COMMITTEE

April 23, 2008

MINUTES OF MEETING

*Mark Ahrendsen	City of Durham – Transportation (TCC Chair)
*Jamal Alavi	NCDOT - TPB
*David Bonk	Town of Chapel Hill (TCC Vice-Chair)
*Andy Henry	City of Durham - Transportation
*John Hodges-Copple	Triangle J COG
*John Hunsinger	NCDOT – Division 7 Engineer
*Tom King	Town of Hillsborough
*Karen Lincoln	Orange County Planning
*Patrick McDonough	Triangle Transit
*Adena Messinger	Town of Carrboro
*Felix Nwoko	City of Durham – Transportation
*Pierre Osei Owusu	City of Durham - DATA
*Steve Spade	Town of Chapel Hill
*Battle Whitley	NCDOT – Division 5 Engineer
Ellen Beckmann	City of Durham – Transportation
Craig Gresham	Kimley-Horn and Associates, Inc.
Dale McKeel	City of Durham - Transportation
Dawn Qiu	City of Durham – Transportation
Brian Rhodes	City of Durham – Transportation

*Voting Member

Mark Ahrendsen, TCC Chair, called the meeting to order at 9:08 a.m.

PRELIMINARIES:

Adjustments to the Agenda

Mark Ahrendsen stated there were two additional handouts distributed at the beginning of the meeting.

Public Comments

There were no public comments.

ACTION ITEMS:

Approval of March 26, 2008 TCC Meeting Minutes (Attachment 4)

A motion was made by Felix Nwoko and seconded by Karen Lincoln to approve the March 26, 2008 TCC Meeting Minutes. The motion carried unanimously.

STP-DA Call for Projects (Attachments 5 and 5A)

Ellen Beckmann provided an introduction and update on the STP-DA Call for Projects, along with the attachments. The Subcommittee made a recommendation for the Annual Reserve, Transit, and Local Discretionary categories. This recommendation exceeds the MPO's obligation limit in FY 10 and 11.

John Hodges-Copple stated that based on a model executive committee meeting yesterday, the commercial vehicle study share will decrease a little. DCHC's total amount to be responsible for will be \$87,500.

David Bonk stated under the extra planning category the lump sum for transit studies could be split into FY 09 and FY 10. Ellen stated that would not help the problem because it needs to move out past FY 11.

Mark Ahrendsen asked what the implications if we don't make any changes today and Ellen stated it will not affect what is in the TIP. It just means it will have to be addressed next year.

A motion was made by Felix Nwoko and seconded by Andy Henry to recommend that the TAC approve STP-DA funding for the Annual Reserve, Transit, and Local Discretionary categories as shown in Attachment 5A. Patrick McDonough added a caveat that FY09 is addressed but not FY10 and FY11. The motion carried unanimously.

Job Access Reverse Commute and New Freedom Call for Projects (Attachments 6, 6A, 6B, 6C, 6D, and 6E)

Ellen Beckmann provided an introduction for the Job Access Reverse Commute and New Freedom Call for Projects, along with the attachments.

61 Ellen stated that 2U Transit did not receive any funding because there is concern that the
62 2U Transit project isn't offering expanded service, it was not clear how it would benefit
63 customers, no route was identified, it was not clear what the fare would be, and the matching
64 funds were proposed to be from operating revenues and FTA does not allow you to use fare
65 revenue as matching funds. 2U Transit talked about a partnership with DATA and DATA did
66 not agree to the partnership. Pierre Osei Owusu stated that DATA did not partner with 2U
67 because the demands were too cumbersome, i.e. drug testing.

68 Felix Nwoko stated that the projects that TAC approved last year are on hold since the
69 State has not sent a letter to FTA making the City of Durham the designated recipient. Ellen
70 stated a formal letter requesting this letter was sent from staff back in January. Mark Ahrendsen
71 stated we need to follow-up with the TAC regarding the letter.

72 Andy Henry has a concern that 2U Transit has been denied funds. Ellen stated that she
73 notified 2U Transit of this meeting. Steve Spade stated that everyone needs to make sure they
74 can meet the requirements for funding up front.

75 Pierre Osei Owusu described the revised application. David Bonk asked how will we
76 monitor the applications. David Bonk stated he has not seen a report of the Brier Creek service
77 or any other service. Pierre stated that FTA has reporting requirements in place. Felix stated the
78 PMP requires progress reports. Mark Ahrendsen stated the service has been implemented but we
79 have not received the funds.

80 David Bonk has a concern over the cost per ride; as there are no standards set. Steve
81 Spade stated the purpose is not to provide the most efficient service but to serve transit
82 dependent people. Pierre stated it also takes time to grow ridership.

83 A motion was made by Felix Nwoko and seconded by Pierre Osei Owusu to recommend
84 that the TAC approve funding the projects listed in Attachment 6 and the DATA Silver Line
85 service using Job Access Reverse Commute and New Freedom funds and ask to track the data.
86 The motion carried unanimously.

87 Patrick McDonough expressed a concern that the entities requesting the funds are also
88 evaluating the applications. Felix Nwoko stated that NCAMPO is discussing this statewide.

89 **Congestion Relief/Intermodal Transport Fund (Attachments 7, 7A, and 7B)**

90 Mark Ahrendsen provided an introduction for the Congestion Relief/Intermodal
91 Transport Fund, along with the attachments.

92 This item is for proposed legislation to fund regional transit. However, there is a concern
93 that the legislation as written does not provide assurance that local transit operators in the three
94 metropolitan areas receive any funds. The regional authority would be authorized to levy a ½
95 cent sales tax and expend the funds in accordance with the financial plan. There has been
96 suggested language that would afford the local governing bodies that operate local transit
97 systems, the opportunity to make sure their financial needs are addressed through the
98 development of the financial plan.

99 Steve Spade stated it is a great opportunity to provide transit funding. However, the local
100 operators also need long-term and consistent funding.

101 Pierre Osei-Owusu stated Durham does not want local funding supplanted. There is
102 concern over the timing of the legislation and timing of getting the legislation amended.

103 John Hodges-Copple stated the financial plan is the only place where locals have
104 approval. However, the financial plan is not clear. It does not state how the financial plan can
105 be changed. The weakness is some kind of safeguard over time regarding the changing of the

plan. He is not clear about the marked up language and feels uncomfortable giving all local governments that operate transit service veto power.

David Bonk stated there is no MPO approval. We could recommend MPO approval to avoid parochialism. It could be tied to the approval of the LRTP and that would ensure it would be reviewed every three years.

Patrick McDonough shares John Hodges-Copple concern regarding local veto power. There are synergies between regional and local service.

Steve Spade stated the issue is not about planning, it is about budgeting and control over some funds.

Mark Ahrendsen stated there are revisions to the bill requiring counties approval of the referendum.

A motion was made by Felix Nwoko and seconded by Pierre Osei-Owusu to recommend TAC approval of the list of principles regarding the proposed Congestion Relief/Intermodal Transport Fund adding a provision that the financial plan must be consistent with the MPO's LRTP. John Hodges-Copple and Patrick McDonough stated they can't support #3.

David Bonk stated staff needs to include a list of objections raised by the TCC when it goes to TAC for approval.

The motion carried with Patrick McDonough and John Hodges-Copple opposing.

Sidewalks and Bike Facilities on Bridges (Attachment 8 and 8A)

Dale McKeel provided an introduction for the Sidewalks and Bike Facilities on Bridges, along with the attachment.

Dale is concerned that bridges are built without sidewalks and bike lanes. The attached resolution is to request that sidewalks and adequate pavement width for future bike facilities be

129 included in the design of bridge structures in the DCHC MPO area. Felix Nwoko stated this
130 needs to be added to the LRTP.

131 John Hodges-Copple stated we have a pedestrian and bike network in our 2030 LRTP.

132 Dale McKeel stated the LRTP is not road specific.

133 Mark Ahrendsen stated that the plan is descriptive in the bike facilities; but may not be as
134 descriptive in the pedestrian facilities. It is more of a policy so it might not be caught at a project
135 level. The whole DCHC MPO area is becoming urbanized and therefore the default should be to
136 consider the provision.

137 Jamal Alavi stated the NCDOT adopted a pedestrian policy that was created in 2000.

138 Mark Ahrendsen stated the resolution by Dale McKeel addresses requirement #1 that provides a
139 statement that we are notifying the Department in writing by adoption of this resolution that we
140 want bike and pedestrian facilities incorporated into all projects in this area. Battle Whitley
141 stated that NCDOT already has a policy to include facilities. It will increase costs and mitigation
142 requirements to widen all bridges. Battle stated that a lot of discussion for B-4109 stated in 2004
143 and no comments were received from the local jurisdiction regarding the need for bike and
144 pedestrian facilities on the bridge. Battle asked why this wasn't this in the one-on-one meeting if
145 it was such a high priority. The project may be retrofitted in the future. There must be a positive
146 barrier between traffic and the pedestrian. DCHC needs to be aware that they will need to have
147 funding available to provide a 50% local match.

148 John Hunsinger stated a list of routes needs to be included in an adopted bike/pedestrian
149 plan. There is difficulty with adding sidewalks on shoulder sections. There are many
150 opportunities for input during project development.

Mark Ahrendsen stated that the resolution states that for any projects within the Durham urbanized area NCDOT has been notified that we want bike and pedestrian features. Battle stated he would be fine with it with some language changes. Instead of “adopts as policy” use “transportation advisory committee makes it clear the desire for bridges and culverts constructed by NCDOT in the urban growth areas of DCHC will include...”.

John Hunsinger asked if the DCHC MPO could reinforce the need for the project when it arises. Mark Ahrendsen suggested revising the language in the resolution and bringing it back for approval.

Farrington Road Corridor Study (Attachment 9)

Craig Gresham with Kimley-Horn and Associates, Inc. provided a Power Point presentation on the Farrington Road Corridor Study.

Andy Henry asked if KHA can prioritize the improvements and Craig stated the roundabouts need to be done soon because of the development, safety concerns, and to make sure the right of way is reserved.

Felix Nwoko stated there will be no public involvement at this point because it will be part of the LRTP.

Mark Ahrendsen stated it might be worth sharing with TAC in an abbreviated version prior to getting into the alternatives for the LRTP to solicit their comments.

FY 2009-2015 Metropolitan Transportation Improvement Program (Attachment 10 and 10A)

Ellen Beckmann provided an introduction for the FY 2009-2015 Metropolitan Transportation Improvement Program, along with the attachments.

The one-on-one meetings have been conducted and we have not received a response yet. The NCDOT’s final STIP will be out for review in the next month and should be approved in

June. We should be approving our MTIP in June along with the air quality conformity report. We haven't talked about a process for developing our final MTIP as we don't have as many outstanding issues as we have in past years. We want to bring the final MTIP to the TAC in June. Mark Ahrendsen recommended running the draft STIP by the subcommittee.

John Hodges-Copple stated that the NCDOT will release the STIP on June 4th and will be approved June 5th.

Ellen Beckmann stated that staff needs to get a list of changes as soon as possible to develop the MTIP based on the issues identified at the one-on-one meetings.

2035 Long Range Transportation Plan and Comprehensive Transportation Plan – LRTP Alternatives and Land Use Scenarios

Andy Henry provided an update on the 2035 Long Range Transportation Plan and Comprehensive Transportation Plan – LRTP Alternatives and Land Use Scenarios.

ITRE was conducting a meeting yesterday to find out what resources they would need to run the alternatives.

John Hodges-Copple stated that NCDOT funds will not be able to be reprogrammed for it in the current fiscal year. Joe Huegy is going to make sure they get the funding for the different partners worked out correctly. When the new fiscal years is here, the NCDOT funds will be provided. All parties were in agreement on the scenarios and the ITRE model team is able to devote substantial resources to this project.

National Ambient Air Quality Standards for Ozone (Attachment 12)

John Hodges-Copple provided an update on the National Ambient Air Quality Standards for Ozone.

The ozone standard has changed. It won't affect the budgets that we have to deal with until our next LRTP update.

201 Mark Ahrendsen asked if the new standards were in place, where would we be now, and
202 John stated we would be in non-attainment.

203 **REPORTS FROM STAFF:**

204 **Reports from Staff (Attachment 13)**

205 The report from staff is attached.

206 **Report from the Chair**

207 Mark Ahrendsen stated that the STAC will hold a meeting this Friday at 3:00 p.m. at the
208 Research Triangle Foundation hopefully to endorse the final report and recommendations. We
209 are working on scheduling a Joint TAC meeting to receive the report.

210 Dale McKeel stated the Smart Commute challenge is on and will continue for six weeks.

211 **NCDOT Report (Attachment 15)**

212 The NCDOT Report for Division 5 and 7 are attached for review.

213 **Adjournment**

214 There being no further business before the Technical Coordinating Committee, the
215 meeting was adjourned at 11:57 a.m.

Transportation Systems and Land Use Scenarios Combinations to Create LRTP Alternatives

The DCHC MPO plans to develop and evaluate several Alternatives in the process to create the 2035 Long Range Transportation Plan. Each Alternative will be a combination of a Transportation System, which includes a set of highway, transit and other transportation improvements, and a Land Use Scenario that distributes the forecasted population and employment for the year 2035, and each Alternative will be run in the Triangle Regional Model (TRM) to produce a set of performance measures.

The table on the next page shows the combinations of Transportation Systems and Land Use Scenarios that will be modeled for the 2035 LRTP development process.

- The first two Transportation Systems (#1 and #2), the 2030 LRTP and Comprehensive Transportation Plan, will be used to compare with the 2035 LRTP Alternatives.
- The next five Transportation Systems (#3 through #7), are Alternatives for the 2035 LRTP.

Each of these Transportation Systems will be combined with one or more Land Use Scenarios to produce a set of performance measures that can be used to compare and evaluate the various Alternatives. There is a unique set of Socioeconomic Data (SE Data) for each Land Use Scenario. The Baseline Land Use Scenario, for example, is the SE Data approved by the Transportation Advisory Committee (TAC) for use in developing the 2035 LRTP and is based on the current land use plans and policies of the local jurisdictions. The other Land Use Scenarios, which have been previously presented and discussed with the TAC, assume certain changes to current land use policies. The Transportation System and Land Use Scenarios have only been combined into logical matches. For example, the Intensive Highway Transportation System assumes many highway improvements but relatively few transit improvements and no fixed-guideway stations, and thus this System was not matched with the Transit Node Land Use, which is designed to support fixed-guideway stations.

There are 15 combinations. However, three of the combinations are designated (with footnote #3) as having a lower priority compared to the others. Given the tight LRTP development schedule, these combinations might not be completed. The System Preservation (#7) will not require travel demand model runs because the TRM (model) is not designed to be sensitive to the levels of Intelligent Transportation Systems (ITS), Travel Demand Management (TDM) and other related programs and policies. The impact of these programs and policies can be accounted for after the model is run (these are sometimes called off-model credits).

Combinations of Transportation Systems and Land Use Scenarios ⁽¹⁾

No.	Transportation System	Land Use Scenarios				
		Baseline	Constrained	Buildout	Corridor	Transit Nodes
Benchmarks for comparison						
1	2030 Adopted LRTP Currently adopted plan	1a ✓				
2	Comprehensive Transportation Plan Vision Plan to address population and employment buildout beyond the year 2035; no budget constraint	2a		2b		
2035 LRTP Alternatives						
3	Intensive Highway Emphasize highway investment to address transportation needs	3a	3b		3b	
4	Fixed Guideway Light rail and other grade separated transit	4a			4b ⁽³⁾	4c
5	Bus Transit Emphasize bus transit service to address transportation needs	5a			5b	5c ⁽³⁾
6	Moderate Multimodal Continue current investment trends with some shift to non-automobile modes	6a			6b	6c ⁽³⁾
7	System Preservation ⁽²⁾ Preserve effectiveness of existing transportation using ITS, TDM, and CMS-TSM projects and policies					

(1) Each combination of a Transportation System and Land Use Scenario will require a unique travel demand model run.

(2) The Triangle Regional Model (TRM) is not designed to be very sensitive to changes in ITS, TDM, and CMS-TSM projects and policies. Therefore, the System Preservation Alternative will not require additional model runs.

(3) These are relatively low priority combinations, and thus might not be completed given the tight development schedule.

✓ = Model run completed

2035 LRTP and CTP Highway Projects and Alternatives

New ID	Project	Project Limits	Existing Cross-Section	CTP 2040 Proposed Cross-Section	County	Proposed Improvement	AQ year	Benchmarks			LRTP Alternatives				
								0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
1	Alexander Dr	Cornwallis Rd to NC 147	2-lane	4-lane divided	Durham	Widening	2017	0	1	1	1	1	1	1	1
2	Alexander Dr	NC 147 to Miami Blvd	2-lane	4-lane divided	Durham	Widening	2007	1	1	1	1	1	1	1	1
2.1	Alexander Dr	NC 147 to Miami Blvd	4-lane divided	6-lane divided	Durham	Widening	2040	0	0	1	1	0	0	0	0
3	Alexander Dr	NC 54 to NC 55	2-lane	4-lane divided	Durham	Widening	2025	0	1	1	1	1	1	1	1
4	Alexander Dr	NC 54 to Cornwallis Rd	2-lane	4-lane divided	Durham	Widening	2025	0	1	1	1	1	1	1	1
5	Alston Ave Ext	Holloway St to Old Oxford/Roxboro	New	4-lane divided	Durham	New	2035	0	1	1	1	1	1	1	1
5.1	Anderson St Ext (15th St)	Erwin Rd to Main 9Us 70 Bus)	2-lane	4-lane	Durham	Widening	2040	0	0	1	1	0	0	0	0
5.2	Barbee Road	E Woodcroft Pkwy to Herndon Rd	2-lane	4-lane	Durham	Widening	2040	0	0	1	1	0	0	0	0
6	Berryhill/Old Fayetteville Conn.	Old Fayetteville Rd to NC 54 Bypass	New	2-lane	Orange	New	2007	1	1	1	1	1	1	1	1
7	BPW Club/Rock Haven Conn.	Loop at Smith Level Road	New	2-lane	Orange	New	2007	1	1	1	1	1	1	1	1
7.1	Briggs Ave Ext	Lawson-NE Creek Pkwy	2-lane	4-lane divided	Durham	Widening		0	0	1	1				
8	Briggs Ave Ext	So-Hi Dr to Riddle Rd	New	4-lane	Durham	New	2017	0	1	1	1	1	1	1	1
8.1	Burton Road Ext	Burton Rd to Red Mill Rd/I-85	new	2-lane	Durham	New	2040	0	0	1	1	0	0	0	0
8.2	Carpenter Fletcher	Woodcroft Pewit ext to NC 55	2 lane	4-lane divided	Durham	Widening	2035	0	0	1	1	0	0	0	0
9	Carver Street Ext	Armfield St to Old Oxford Rd	New	4-lane divided	Durham	New	2017	0	1	1	1	0	0	0	0
10	Chin Page Ext.	Page Rd to Wake County Line	New	4-lane	Durham	New	2025	0	1	1	1	0	0	0	0
11	Churton Connector	Old NC 86 to NC 86 (Between I-85 & I-40)	New	4-lane divided	Orange	New	2008	1	1	1	1	1	1	1	1
11.1	Club Blvd	Washington to Roxboro	2-lane	4-lane divided	Durham	Widening	2040	0	0	1	1	0	0	0	0
11.2	Club Blvd	Roxboro to Geer St	2-lane	4-lane divided	Durham	Widening	2040	0	0	1	1	0	0	0	0
12	Cornwallis Rd	MLK to Alexander Dr	2-lane	4-lane divided	Durham	Widening	2025	0	1	1	1	0	0	0	0
13	Cornwallis Rd Ext	Miami Blvd to Chin Page Rd	New	4-lane divided	Durham	New	2035	0	1	1	1	0	0	0	0
14	Davis Dr	NC 54 to County Line	2-lane	4-lane divided	Durham	Widening	2009	1	1	1	1	1	1	1	1
14.1	Duke Street (North)	I-85 to N Roxboro split	4-lane	6-lane	Durham	Widening	2040	0	0	1	1	0	0	0	0
15	East End Connector (EEC)	NC 147 to US 70 E; US 70:EEC to NC 98	New	6-lane freeway	Durham	New	2017	0	1	1	1	1	1	1	1
15.1	East End Connector (EEC)	NC 147 to US 70 E; US 70:EEC to NC 99	6-lane freeway	8-lane HOV freeway	Durham	Widening	2040	0	0	1	1	0	0	0	0
16	Elizabeth Brady Rd Ext	US 70 Business to St Mary's Rd	New	4-lane divided	Orange	New	2017	0	1	1	1	1	1	1	1
17	Estes Dr	Greensboro Rd to NC 86	2-lane	3-lane	Orange	Widening	2025	0	1	1	1	1	1	1	1
18	FarmHouse/Tramore Conn.	Old NC 86 to Stratford Drive	New	2-lane	Orange	New	2035	0	1	1	1	0	0	0	0
19	Farrington Mill Rd	Jack Bennett Rd to Durham Co line	2-lane	4-lane divided	Durham	Widening	2035	0	0	1	1	0	0	0	0

2035 LRTP and CTP Highway Projects and Alternatives

New ID	Project	Project Limits	Existing Cross-Section	CTP 2040 Proposed Cross-Section	County	Proposed Improvement	AQ year	Benchmarks			LRTP Alternatives				
								0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
20	Farrington Mill Rd	Barbee Chapel Rd to Chatham Co. line	2-lane	4-lane divided	Durham	Widening	2035	0	0	1	1	0	0	0	0
21	Farrington Rd	Barbee Chapel Rd to Stagecoach Rd	2-lane	4-lane divided	Durham		2035	0	0	1	1	0	0	0	0
22	Fayetteville Rd	Woodcroft Pkwy to South Point	2-lane	4-lane divided	Durham	Widening	2005	1	1	1	1	1	1	1	1
23	Fayetteville Rd	Woodcroft Pkwy to Cornwallis Rd	2-lane	4-lane divided	Durham	Widening	2017	0	1	1	1	1	1	1	1
24	Garrett Rd	NC 751 to US 15-501	2-lane	4-lane divided	Durham	Widening	2025	0	1	1	1	0	0	0	0
25	Garrett Rd/NC 751/nc54	Garrett/NC 751 to NC 54	Intersection	4-lane	Durham	Widening	2008	0	0	1	1	1	1	1	1
25.1	Geer Street	Club Blvd to Cheek	2-lane	4-lane	Durham	Widening	2040	0	0	1	1	0	0	0	0
26	Globe St Ext. (Brier Creek Pkway)	Miami Blvd. To Wake County Line	New	4-lane	Durham	New	2035	0	1	1	1	0	0	0	0
27	Glover Rd	Glover Rd/NC 147 interchange; 147 to Angier	2-lane	Interchg/4-lane divided	Durham	Widen/interchg	2025	0	1	1	1	0	0	0	0
28	Glover Rd	Angier to US 70	New	4-lane divided	Durham	New	2025	0	1	1	1	0	0	0	0
29	Guess Rd	Carver St to Umstead Rd	2-lane	5-lane/4-lane divided	Durham	Widening	2006	1	1	1	1	1	1	1	1
29.1	Hamlin Road Ext	Glenn Rd to Red Mill Rd	new	2-lane	Durham	New	2040	0	0	1	1	0	0	0	0
29.2	Herndon Rd	Scott King to Barbee Rd/Massey Chapel	2-lane	4-lane divided	Durham	Widening	2040	0	0	1	1	0	0	0	0
30	Hillandale Rd	I-85 to Carver St.	2-lane	4-lane divided	Durham	Widening	2011	1	1	1	1	1	1	1	1
31	Hillandale Rd	Carver to Horton Rd	2-lane	4-lane divided	Durham	Widening	2025	0	1	1	1	0	0	0	0
32	Hillandale Rd Ext	Horton Rd to Guess Rd	New	4-lane divided	Durham	New	2035	0	1	1	1	0	0	0	0
33	Hillsborough Rd/Old Fayetteville	Lorraine St to Old Fayetteville/NC 54	2-lane	2-lane (36-ft curb/gutter)	Orange	Widening	2025	0	1	1	1	1	1	1	1
34	Holloway Street	US 70 to east of Junction Rd	2-lane	5-lane	Durham	Widening	2009	1	1	1	1	1	1	1	1
35	Homestead Rd	High School Rd to NC 86	2-lane	3-lane	Orange	Widening	2025	0	1	1	1	1	1	1	1
36	Homestead Rd	Old NC 86 to High School Rd	2-lane	3-lane	Orange	Widening	2025	0	1	1	1	1	1	1	1
37	Hopson Rd. realignment (RTP)	Louis Stephens Dr to NC 55	2-lane	2-lane	Durham	Realignment	2010	1	1	1	1	1	1	1	1
39	Horton Rd	Duke St to Hillandale Rd	2-lane	4-lane divided	Durham	Widening	2035	0	1	1	1	0	0	0	0
40	(Horace Williams Network) Carolina North	Carolina North Campus (this is not an extension of Weaver Dairy Rd.)	New	2-lane	Orange	New	2020	0	1	1	1	1	1	1	1
41	I-40/Farrington Rd interchange	I-40/Farrington Interchange	New	Interchange	Durham	New	2025	0	0	1	1	0	0	0	0
42	I-40	US 15-501 to NC 147	4-lane freeway	6-lane freeway	Durham	Widening	2006	1	1	1	1	1	1	1	1
43	I-40	County Line to NC 86	4-lane freeway	6-lane freeway	Orange	Widening	2035	0	1	1	1	0	0	0	0

2035 LRTP and CTP Highway Projects and Alternatives

New ID	Project	Project Limits	Existing Cross-Section	CTP 2040 Proposed Cross-Section	County	Proposed Improvement	AQ year	Benchmarks			LRTP Alternatives				
								0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
44	I-40	NC 86 to I-85	4-lane freeway	6-lane freeway	Orange	Widening	2035	0	1	1	1	0	0	0	0
45	I-40 HOV	County Line to NC 86	New	HOV/HOT lane	Durham	New	2035	0	1	1	1	0	1	0	0
45.1	I-40 HOV	NC 86 to I-85/Orange County line	New	HOV/HOT lane	Durham	New	2040	0	0	1	1	0	1	0	0
46	I-540	Ramp improvement: I-540 W to I-40 W	1-lane ramp	2-lane ramp	Durham	Widening	2010	0	1	1	1	1	1	1	1
47	I-85	US 15-501 Bypass N to US 70	4-lane freeway	8-lane freeway	Durham	Widening	2006	1	1	1	1	1	1	1	1
48	I-85	I-40 to the Durham Co line	4-lane freeway	8-lane freeway	Orange	Widening	2025	0	1	1	1	1	1	1	1
49	I-85	US 70 to Red Mill Rd.	4-lane freeway	8-lane HOV freeway	Durham	Widening	2035	0	1	1	1	1	1	1	1
50	Infinity Rd	Roxboro Rd to Snow Hill Rd	2-lane	4-lane divided	Durham	Widening	2035	0	1	1	1	0	0	0	0
50.1	Jack Bennet Rd/Lystra Rd.	US 15-5501 South to Farrington Mill/Point Rd	2-lane	4-lane divided	Chatham	Widening	2035	0	0	1	1	0	0	0	0
50.2	Kemp Road (SR 1902)	SR 1809 to Olive Branch	new	2-lane	Durham	New	2040	0	0	1	1	0	0	0	0
51	Lake Hogan Farms Rd	Eubanks Road to Homestead Rd.	New	2-lane	Orange	New	2020	0	1	1	1	1	1	1	1
52	Latta Rd	Guess Rd to Roxboro Rd	2-lane	4-lane divided	Durham	Widening	2035	0	1	1	1	0	0	0	0
53	Leesville Rd Ext	Northern Parkway to US 70/Page Rd.	New	4-lane	Durham	New	2035	0	1	1	1	0	0	0	0
54	Leesville Rd Realignment	East of Olive Branch Rd to County line	2-lane	4-lane	Durham	Realignment	2035	0	1	1	1	0	0	0	0
54.1	Leesville Rd	US 70 to Panoramic Dr	New	2-lane	Durham	New	2040	0	0	1	1	0	0	0	0
56	Louis Stephens Drive (RTP)	Hopson Rd to County Line	New	4-lane	Durham	New	2010	0	1	1	1	1	1	1	1
57	Lynn Rd. Ext	NC 98/Glover Rd Ext to Existing Lynn Rd.	New	2-lane	Durham	New	2035	0	1	1	1	0	0	0	0
57.1	Massey Chapel Rd	Fayetteville Rd. to Herndon Rd	2-lane	4-lane	Durham		2040	0	0	1	1	0	0	0	0
58	Mason Farm Rd Realignment	Near S Columbia St	2-lane	2-lane	Orange	Realignment	2025	0	1	1	1	0	0	0	0
59	Miami Blvd.	Methodist Dr to Angier Ave	2-lane	5-lane	Durham	Widening	2009	1	1	1	1	1	1	1	1
60	Midland Terrace	NC 98 to Geer St	New	2-lane	Durham	New	2035	0	1	1	1	0	0	0	0
61	Midland Terrace	Dearborn to Old Oxford Rd/Hamlin Junction	New	2-lane	Durham	New	2035	0	1	1	1	0	0	0	0
62	MLK Parkway	Old Chapel Hill Rd to NC 55	2-lane/new	4-lane divided	Durham	New	2007	1	1	1	1	1	1	1	1

2035 LRTP and CTP Highway Projects and Alternatives

New ID	Project	Project Limits	Existing Cross-Section	CTP 2040 Proposed Cross-Section	County	Proposed Improvement	AQ year	Benchmarks			LRTP Alternatives				
								0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
63	MLK Pkwy (NC 55 interchange)	NC 55 to Cornwallis Rd connector	New	4-lane divided	Durham	New	2035	0	1	1	1	0	0	0	0
64	NC 147	Alston Ave to I-40	4-lane freeway	6-lane HOV freeway	Durham	Widening	2035	0	1	1	1	0	0	0	0
64.1	NC 147	Alston Ave to I-85	4-lane freeway	6-lane HOV freeway	Durham	Widening	2040	0	0	1	1	0	0	0	0
65	NC 147	East End Conn to I-40	New	HOV lane	Durham	Widening	2035	0	1	1	1	0	0	0	0
66	NC 147 South Ext (Triangle Pkwy -toll)	I-40 to County Line	New	6-lane freeway	Durham	New	2017	0	1	1	1	1	1	1	1
67	NC 54	Burning Tree to Barbee Chapel	4-lane	6-lane divided	Durham	Widening	2005	1	1	1	1	1	1	1	1
68	NC 54	Miami Blvd to Wake Co line	2-lane	4-lane divided	Durham	Widening	2007	1	1	1	1	1	1	1	1
69	NC 54	I-40 Interchange to NC 55	2-lane	4-lane divided	Durham	Widening	2025	0	1	1	1	1	1	1	1
70	NC 54	I-40 to Barbee Chapel Rd	4-lane	6-lane divided	Durham	Widening	2025	0	1	1	1	0	0	0	0
71	NC 54/NC 751/Garrett Rd	NC 751/Garrett to NC 54	Intersection	Upgrade	Durham	Upgrade		1	1	1	1	1	1	1	1
72	NC 54/Page Rd	Davis Dr to Miami Blvd	2-lane	4-lane divided	Durham	Widening	2009	1	1	1	1	1	1	1	1
73	NC 54/US 15-501 Bypass	NC 54 to US 15-501	4-lane	6-lane divided	Orange	Widening	2025	0	1	1	1	0	0	0	0
74	NC 55	Cornwallis Rd to Wake Co.	2-lane	4-lane divided	Durham	Widening	2007	1	1	1	1	1	1	1	1
75	NC 55 (Alston Ave.)	NC 147 to NC 98	2-lane	4-lane divided	Durham	Widening	2017	1	1	1	1	1	1	1	1
76	NC 751	US 64 (MAB) to Durham Co. line	2-lane	4-lane divided	Chatham	Widening	2035	0	1	1	1	0	0	0	0
77	NC 751	Fayetteville/Scott King Rd to S Roxboro St	2-lane	4-lane divided	Durham	Widening	2035	0	1	1	1	0	0	0	0
78	NC 751	Chatham Co. Line to Fayetteville/Scott King Rd		4-lane divided	Durham		2025	0	1	1	1	0	0	0	0
80	NC 86	Old NC 10 to US 70 Business	2-lane	4-lane divided	Orange	Widening	2025	0	1	1	1	0	0	0	0
81	NC 86	US 70 Bypass to NC 57	2-lane	4-lane divided	Orange	Widening	2025	0	1	1	1	0	0	0	0
81.1	NC 98 (Holloway St)	Wake County Line to Mineral Springs	2-lane	4-lane	Durham	Widening	2040	0	0	1	1	0	0	0	0
83	Northern Durham Pkwy	US 70 E to I 85 N	New	4-lane divided	Durham	New	2025	0	1	1	1	1	1	1	1
84	Northern Durham Pkwy	I 85 North to Old Oxford Hwy	New	4-lane divided	Durham	New	2025	0	1	1	1	1	1	1	1
85	Northern Durham Pkwy	Old Oxford Hwy to Roxboro Rd	New	4-lane divided	Durham	New	2025	0	1	1	1	1	1	1	1
85.1	Oakdale Rd.	Old NC 85 to Old NC 86	new	2-lane	Orange		2040	0	0	1	1	0	0	0	0
86	Old NC 86	I-40 to Lafayette Dr.	2-lane	4-lane divided	Orange	Widening	2035	0	1	1	1	1	1	1	1
87	Old NC 86	Lafayette Dr to US 70 Business	2-lane	4-lane divided	Orange	Widening	2035	0	1	1	1	1	1	1	1
88	Old Oxford Rd	Roxboro Rd to Snow Hill Rd	2-lane	4-lane divided	Durham	Widening	2025	0	1	1	1	0	0	0	0
89	Olive Branch Rd Ext	NC 98 to US 70	New	2-lane	Durham	New	2035	0	1	1	1	0	0	0	0
89.1	Orange Factory Road	Snow Hill to Orange Factory	New	2-lane	Durham	New	2040	0	0	1	1	0	0	0	0
89.2	Orange Factory Road	Treyburn to Staggsville Connector	New	2-lane	Durham	New	2040	0	0	1	1	0	0	0	0

2035 LRTP and CTP Highway Projects and Alternatives

New ID	Project	Project Limits	Existing Cross-Section	CTP 2040 Proposed Cross-Section	County	Proposed Improvement	AQ year	Benchmarks			LRTP Alternatives				
								0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
90	Page Rd	I-40 to Page Rd Ext	2-lane	4-lane divided	Durham	Widening	2035	0	1	1	1	0	0	0	0
91	Riddle Rd. Extension	Briggs Ave. to NC 147	New	2-lane	Durham	New	2025	0	1	1	1	0	0	0	0
91.1	Riddle Rd. Extension	Cornwallis to NC 55	New	2-lane	Durham	New	2040	0	0	1	1	0	0	0	0
92	Roxboro Road (501N)	Duke Street to Goodwin Rd	4-lane divided	6-lane divided	Durham	Widening	2035	0	1	1	1	1	1	1	1
93	Roxboro St Ext	Hope Valley Farms to MLK Pkwy	2-lane	4-lane divided	Durham	Widening	2005	1	1	1	1	1	1	1	1
94	Roxboro St	Cornwallis Rd to MLK Pkwy	2-lane	4-lane divided	Durham	New	2025	0	1	1	1	0	0	0	0
94.1	Roxboro St South	Summit to E. Lakewood	2-lane	4-lane divided	Durham	Widening	2040	0	0	1	1	0	0	0	0
95	Scott King Rd	Grandale Dr to Hopson Rd	New	4-lane divided	Durham	New	2035	0	1	1	1	0	0	0	0
95.1	Scott King Rd	Grandale Dr to Fayetteville Rd	2-lane	4-lane divided	Durham	Widening	2035	0	0	1	1	0	0	0	0
96	Seawell School Connector	Lake Hogan Farms Rd to Seawell School Rd	New	2-lane	Orange	New	2035	0	1	1	1	0	0	0	0
97	Smith Level Rd	Rock Haven Rd to NC 54 bypass	2-lane	Multilanes	Orange	Widening	2017	0	1	1	1	1	1	1	1
97.1	Snow Hill Rd (SR 1631)	Infinity Rd to Old Oxford Ext	new	2-lane	Durham	New	2040	0	0	1	1	0	0	0	0
98	South Columbia St	NC 54 to Manning Dr.	2-lane	turn lanes/bike facilities	Orange	Widening	2017	0	1	1	1	1	1	1	1
100	Stadium Drive Ext	Shaftsbury Dr to Kirkwood Dr	2-lane	3-lane curb & gutter	Durham	Widening	2005	1	1	1	1	1	1	1	1
101	Stagecoach Rd	Farrington Mill Rd to NC 751	2-lane	4-lane divided	Durham	Widening	2017	0	0	1	1	0	0	0	0
101.1	Staggville Rd (1615)	SR 1619 to SR 1626	New	2-lane	Durham	New	2040	0	0	1	1	0	0	0	0
102	SW Durham Dr	Rizzo Conf. Dr to I-40	New	2-lane divided	Durham	New	2025	0	1	1	1	0	0	0	0
103	SW Durham Pkwy	Farrington Rd (I-40 to Old Chapel Hill Rd)	2-lane	4-lane divided	Durham	Widening	2025	0	1	1	1	1	1	1	1
104	SW Durham Pkwy	Watkins Rd (Old Chapel Hill Rd to US 15-501	2-lane	4-lane divided	Durham	Widening	2017	0	1	1	1	1	1	1	1
105	SW Durham Pkwy	NC 54 to Rizzo Conf. Driveway	New	4-lane divided	Durham	New	2005	1	1	1	1	1	1	1	1
106	SW Durham Pkwy	15-501 to Mt. Moriah Rd.	New	4-lane divided	Durham	New	2025	0	1	1	1	1	1	1	1
106.1	T. W. Alexander Dr	Miami Blvd to US 70	4-lane divided	6-lane divided	Durham	Widening	2035	0	0	1	1	0	0	0	0
107	T. W. Alexander Dr Ext	US 70 to Carpenter Ponds (Durham Portion)	New	4-lane divided	Durham	New	2025	0	1	1	1	0	0	0	0
108	UNC Access to the Bypass	Manning Dr to 54/15-501 Bypass	New	4-lane divided	Orange	New	2025	0	1	1	1	0	0	0	0
109	US 15-501	Pittsboro Bypass (MAB) to Orange Co. line	2-lane	4-lane divided	Chatham	Widening	2007	1	1	1	1	1	1	1	1

2035 LRTP and CTP
Highway Projects and Alternatives

New ID	Project	Project Limits	Existing Cross-Section	CTP 2040 Proposed Cross-Section	County	Proposed Improvement	AQ year	Benchmarks			LRTP Alternatives				
								0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
110	US 15-501	Mt Moriah Rd to Garrett Rd	4-lane divided	6-lane divided	Durham	Widening	2009	1	1	1	1	1	1	1	1
111	US 15-501	I-40 to Franklin St	4-lane divided	6-lane divided	Orange	Widening	2035	0	1	1	1	0	0	0	0
112	US 15-501	Orange Co line to Chapel Hill Bypass	2-lane	4-lane divided	Orange	Widening	2007	1	1	1	1	1	1	1	1
113	US 15-501	Bypass to I-40 (freeway conversion)	6-lane divided	6-lane freeway	Durham	Widening	2035	0	1	1	1	0	0	0	0
114	US 15-501 Bypass	Pickett Rd to Morreene Rd	4-lane freeway	6-lane freeway	Durham	Widening	2035	0	1	1	1	0	0	0	0
115	US 15-501 Service Rd (SR 1126)	Relocation of existing service road.	2-lane	2-lane	Durham	Realignment	2009	1	1	1	1	1	1	1	1
115.1	US 70	I-85 to East End Connector	6-lane freeway	8-lane HOV freeway	Durham	Widening	2040	0	0	1	1	0	0	0	0
116	US 70	Lynn Rd to Wake Co line	4-lane divided	6-lane freeway	Durham	Widening	2025	0	1	1	1	0	0	0	0
117	US 70 Bypass	NC 86 to I-85 (exit 170)	2-lane	4-lane divided	Orange	Widening	2025	0	1	1	1	0	0	0	0
118	US 70/Miami Blvd/Mineral	Intersection Upgrade	Existing	Upgrade	Durham	New	2009	1	1	1	1	1	1	1	1
119	Weaver Dairy Rd	NC 86 to Erwin Rd	2-lane	3-lane	Orange	Widening	2017	0	1	1	1	1	1	1	1
120	Western Bypass	US 70 to NC 86	New	2-lane	Orange		2025	0	1	1	1	0	0	0	0
121	Western Bypass	NC 86 to Stroud Creek Rd	New	2-lane	Orange		2025	0	1	1	1	0	0	0	0
122.1	Woodcroft Pkwy	Barbee Rd to Carpenter-Fletcher Rd.	2-lane divided	4-lane divided	Durham	Widening	2035	0	0	1	1	1	1	1	1
123	Woodcroft Pkwy Ext	Garrett Rd to Hope Valley Rd	New	4-lane divided	Durham	New	2025	0	1	1	1	0	0	0	0

2030 LRTP and CTP Transit Projects and Alternatives

Old ID	Route Name	System	Service Type	Benchmarks:			LRTP Alternatives:				
				0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
23	DATA Treyburn Station Feeder	DATA	Local bus		1	1	0	1	1	0	0
24	DATA Woodcroft Feeder IB	DATA	Local bus		1	1	0	1	0	0	0
25	DATA Woodcroft Feeder OB	DATA	Local bus		1	1	0	1	0	0	0
26	DATA Meridian Pkwy Feeder IB	DATA	Local bus		1	1	0	1	0	0	0
27	DATA Meridian Pkwy Feeder OB	DATA	Local bus		1	1	0	1	0	0	0
28	DATA Joyner-Club-Duke IB	DATA	Local bus		1	1	1	1	1	1	1
29	DATA Joyner-Club-Duke OB	DATA	Local bus		1	1	1	1	1	1	1
30	DATA S Square Feeder IB	DATA	Local bus		1	1	0	1	1	0	0
31	DATA S Square Feeder OB	DATA	Local bus		1	1	0	1	1	0	0
32	DATA S Square Shuttle IB	DATA	Local bus		1	1	0	1	1	0	0
33	DATA S Square Shuttle OB	DATA	Local bus		1	1	0	1	1	0	0
34	DATA 17 Feeder Eno Loop	DATA	Local bus		1	1	0	1	1	0	0
35	DATA 17 Feeder OB	DATA	Local bus		1	1	0	1	1	0	0
36	DATA 17 Feeder IB	DATA	Local bus		1	1	0	1	1	0	0
37	DATA 30R Duke Hospital IB	DATA	Local bus		1	1	1	1	1	1	1
38	DATA 30 Duke Hospital OB	DATA	Local bus		1	1	1	1	1	1	1
39	DATA 28R RTP E IB	DATA	Local bus		1	1	1	1	1	1	1
40	DATA 28 RTP E OB	DATA	Local bus		1	1	1	1	1	1	1
41	DATA 27R Ngate-RTP W IB	DATA	Local bus		1	1	0	1	1	0	0
42	DATA 27 Ngate-RTP W OB	DATA	Local bus		1	1	0	1	1	0	0
43	DATA 25 DurReg-DukeMed OB	DATA	Local bus		1	1	1	1	1	1	1
44	DATA 25R DurReg-DukeMed IB	DATA	Local bus		1	1	1	1	1	1	1
45	DATA 20 Ngate-RTP OB	DATA	Local bus		1	1	1	1	1	1	1
46	DATA 20R Ngate-RTP IB	DATA	Local bus		1	1	1	1	1	1	1
47	DATA 15R Willowdale IB	DATA	Local bus		1	1	1	1	1	1	1
48	DATA 15 Willowdale OB	DATA	Local bus		1	1	1	1	1	1	1
49	DATA 20 UniDr-RTP IB	DATA	Local bus		1	1	1	1	1	1	1
50	DATA 20 UniDr-RTP OB	DATA	Local bus		1	1	1	1	1	1	1
51	DATA 17 Roxboro-Davinci SB	DATA	Local bus		1	1	1	1	1	1	1
52	DATA 17 Roxboro-Davinci NB	DATA	Local bus		1	1	1	1	1	1	1
53	DATA Durham XT NWB	DATA	Local bus		1	1	1	1	1	1	1
54	DATA Durham XT SEB	DATA	Local bus		1	1	1	1	1	1	1
63	DATA Treyburn NB	DATA	Local bus		1	1	1	1	1	1	1

2030 LRTP and CTP Transit Projects and Alternatives

Old ID	Route Name	System	Service Type	Benchmarks:			LRTP Alternatives:				
				0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
64	DATA Treyburn SB	DATA	Local bus		1	1	1	1	1	1	1
65	DATA Bethesda SB	DATA	Local bus		1	1	1	1	1	1	1
66	DATA Bethesda NB	DATA	Local bus		1	1	1	1	1	1	1
67	DATA 17 Horton-Davinci SEB	DATA	Local bus		1	1	1	1	1	1	1
68	DATA 17 Horton-Davinci NWB	DATA	Local bus		1	1	1	1	1	1	1
69	DATA 21 Ngate-Spoint OB	DATA	Local bus		1	1	1	1	1	1	1
70	DATA 21 Ngate-Spoint IB	DATA	Local bus		1	1	1	1	1	1	1
71	DATA Holoway/The Village OB	DATA	Local bus		1	1	1	1	1	1	1
72	DATA Holoway/The Village IB	DATA	Local bus		1	1	1	1	1	1	1
73	DATA Riddle Station Feeder IB	DATA	Local bus		1	1	0	1	0	0	0
74	DATA Riddle Station Feeder OB	DATA	Local bus		1	1	0	1	0	0	0
75	DATA NC98 - US70 - Miami OB	DATA	Local bus		1	1	1	1	1	1	1
76	DATA NC98 - US70 - Miami IB	DATA	Local bus		1	1	1	1	1	1	1
77	DATA Dtech-Snow IB	DATA	Local bus		1	1	1	1	1	1	1
78	DATA Dtech-Snow OB	DATA	Local bus		1	1	1	1	1	1	1
79	DATA Dtown Terminal Shuttle IB	DATA	Local bus		1	1	1	1	1	1	1
80	DATA Dtown Terminal Shuttle OB	DATA	Local bus		1	1	1	1	1	1	1
81	DATA Dtown Terminal Feeder IB	DATA	Local bus		1	1	1	1	1	1	1
82	DATA Dtown Terminal Feeder OB	DATA	Local bus		1	1	1	1	1	1	1
83	DATA EPA IB	DATA	Express bus		1	1	1	1	1	1	1
84	DATA EPA OB	DATA	Express bus		1	1	1	1	1	1	1
85	DATA 19 Feeder OB	DATA	Local bus		1	1	0	1	1	0	0
86	DATA 19 Feeder IB	DATA	Local bus		1	1	0	1	1	0	0
87	DATA 18 Feeder OB	DATA	Local bus		1	1	0	1	1	0	0
88	DATA 18 Feeder IB	DATA	Local bus		1	1	0	1	1	0	0
89	DATA 12XR DTT-EPA IB	DATA	Express bus		1	1	1	1	1	1	1
90	DATA 12X DTT-EPA OB	DATA	Express bus		1	1	1	1	1	1	1
91	DATA 7SPR Southpoint Mall IB	DATA	Local bus		1	1	1	1	1	1	1
116	DATA 7SP Southpoint Mall OB	DATA	Local bus		1	1	1	1	1	1	1
327	DATA 1-3 OB:Hillndal-Guess-Mdlnd	DATA	Local bus		1	1	1	1	1	1	1
328	DATA 3-1 IB:Mdlnd-Guess-Hillndal	DATA	Local bus		1	1	1	1	1	1	1
329	DATA 13 IB:Fayette-Birchwood	DATA	Local bus		1	1	1	1	1	1	1
330	DATA 12 OB:Downtown-TTATerm	DATA	Local bus		1	1	1	1	1	1	1

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Old ID	Route Name	System	Service Type	Benchmarks:			LRTP Alternatives:				
				0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
331	DATA 7 OB:Downtown-Southpointe	DATA	Local bus		1	1	1	1	1	1	1
332	DATA 14 OB:NCCUShuttle	DATA	Local bus		1	1	1	1	1	1	1
333	DATA 14 IB:NCCUShuttle	DATA	Local bus		1	1	1	1	1	1	1
334	DATA 17 IB:Treyburn-Horton	DATA	Local bus		1	1	1	1	1	1	1
335	DATA 16 OB:Downtown-MineralSprng	DATA	Local bus		1	1	1	1	1	1	1
336	DATA 4-2 OB:Horton-Angier	DATA	Local bus		1	1	1	1	1	1	1
337	DATA 2-4 IB:Angier-Horton	DATA	Local bus		1	1	1	1	1	1	1
354	DATA 15 OB:WellonsVlg-Briarcreek	DATA	Local bus		1	1	1	1	1	1	1
355	DATA 15 IB:Briarcreek-WellonsVlg	DATA	Local bus		1	1	1	1	0	1	1
356	DATA 11-9 IB:Bennett-DRHosp	DATA	Local bus		1	1	1	1	0	1	1
357	DATA 5-6 OB:Emrld-Crnw-Cnstitutn	DATA	Local bus		1	1	1	1	0	1	1
358	DATA 10-8 IB:Woodcroft-DrhmTech	DATA	Local bus		1	1	1	1	0	1	1
359	DATA 1-3 OB:Hillndal-Point-Mdlnd	DATA	Local bus		1	1	1	1	0	1	1
360	DATA 6-5 IB:Cnstitutn-HV-Emerald	DATA	Local bus		1	1	1	1	0	1	1
361	DATA 5-6 OB:Emerald-HV-Cnstitutn	DATA	Local bus		1	1	1	1	0	1	1
366	DATA 13 OB: Birchwood-Fayette	DATA	Local bus		1	1	1	1	0	1	1
405	DATA 12 IB:TTATerm-Downtown	DATA	Local bus		1	1	1	1	0	1	1
406	DATA 7 IB:Southpointe-Downtown	DATA	Local bus		1	1	1	1	0	1	1
407	DATA 17 OB:Horton-Treyburn	DATA	Local bus		1	1	1	1	0	1	1
408	DATA 16 IB:MineralSprng-Downtown	DATA	Local bus		1	1	1	1	0	1	1
409	DATA 9-11 OB:DRHosp-Bennett	DATA	Local bus		1	1	1	1	0	1	1
410	DATA 8-10 OB:DrhmTech-Woodcroft	DATA	Local bus		1	1	1	1	0	1	1
411	DATA 8-10 OB:DrhmTech-NewHopeCmn	DATA	Local bus		1	1	1	1	0	1	1
419	DATA 3-1 IB:Mdlnd-Point-Hillndal	DATA	Local bus		1	1	1	1	0	1	1
420	DATA 10-8 IB:NewHopeCmn-DrhmTech	DATA	Local bus		1	1	1	1	0	1	1
441	DATA 6-5 IB:Cnstitutn-Crnw-Emrld	DATA	Local bus		1	1	1	1	0	1	1
L1	NDP: Carver Street ext via old oxfor	DATA	Local bus		1	1	0	1	0	0	0
L1	NDP: Carver Street ext via old oxfor	DATA	Local bus		1	1	0	1	0	0	0
L2	North Creek Pkway:Cornwallis-Brier C	DATA	Local bus		1	1	1	1	0	1	1
L2	North Creek Pkway:Cornwallis-Brier C	DATA	Local bus		1	1	1	1	0	1	1
L3	S Alston Glover:Cornwallis/S Alston-	DATA	Local bus		1	1	0	1	0	0	0
L3	S Alston Glover:Cornwallis/S Alston-	DATA	Local bus		1	1	0	1	0	0	0
L4	S Roxboro/NC 751:W Cornwallis- South	DATA	Local bus		1	1	1	1	0	1	1

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				0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
L4	S Roxboro/NC 751:W Cornwallis- South	DATA	Local bus		1	1	1	1	0	1	1
L5	SW Durham Dr: Mt Moraih- NC 54/Hunti	DATA	Local bus		1	1	0	1	0	0	0
L5	SW Durham Dr: Mt Moraih- NC 54/Hunti	DATA	Local bus		1	1	0	1	0	0	0
L6	University Drive: Morehead-Cornwalli	DATA	Local bus		1	1	0	1	0	0	0
L6	University Drive: Morehead-Cornwalli	DATA	Local bus		1	1	0	1	0	0	0
L7	W Trinity/Buchanan: Avondale- Chapel	DATA	Local bus		1	1	0	1	0	0	0
L7	W Trinity/Buchanan: Avondale- Chapel	DATA	Local bus		1	1	0	1	0	0	0
L8	Sparger/Cole Mill:hillsborough rd N-	DATA	Local bus		1	1	0	1	0	0	0
L8	Sparger/Cole Mill:hillsborough rd N-	DATA	Local bus		1	1	0	1	0	0	0
L9	Scott King RD: Renaissance pkway- Ho	DATA	Local bus		1	1	0	1	0	0	0
L9	Scott King RD: Renaissance pkway- Ho	DATA	Local bus		1	1	0	1	0	0	0
427	TTA Rail: Dur-CH SB	TTA	Rail		1	1	0	1	0	0	0
428	TTA Rail: Dur-CH NB	TTA	Rail		1	1	0	1	0	0	0
425	TTA Rail: Ral-Dur EB	TTA	Rail		1	1	0	1	0	0	0
426	TTA Rail: Ral-Dur WB	TTA	Rail		1	1	0	1	0	0	0
c3a	dchc: durham beltline -Treyburn NB	DCHC	Rail		1	1	0	1	0	0	0
c3b	dchc: durham beltline-Treyburn SB	DCHC	Rail		1	1	0	1	0	0	0
c4a	dchc: durham beltline-Creedmor-butne	DCHC	Rail		1	1	0	1	0	0	0
c4b	dchc: durham beltline-Creedmor-butne	DCHC	Rail		1	1	0	1	0	0	0
c5a	dchc: durham beltline-briggs ave-dow	DCHC	Rail		1	1	0	1	0	0	0
c5b	dchc: durham beltline-briggs ave-dow	DCHC	Rail		1	1	0	1	0	0	0
c6	dchc: durham beltline-briggs ave-dun	DCHC	Rail		1	1	0	1	0	0	0
c7a	dchc: durham beltline-NC 147- briggs	DCHC	Rail		1	1	0	1	0	0	0
c7b	dchc: durham beltline-NC 147- briggs	DCHC	Rail		1	1	0	1	0	0	0
c8a	Chapel Hill/Carrboro - Hillsborough/	DCHC	Rail		0	1	0	1	0	0	0
c8b	Chapel Hill/Carrboro - Hillsborough/	DCHC	Rail		0	1	0	1	0	0	0
c9a	Burlington to Duke Commuter rail NB	DCHC	Rail		1	1	0	1	0	0	0
c9b	Burlington to Duke Commuter rail NB	DCHC	Rail		1	1	0	1	0	0	0
cb1	downtown durham DATA terminal via du	DCHC	local		1	1	0	0	0	0	0
cb2	downtown durham DATA terminal via du	DCHC	local		1	1	0	0	0	0	0
cb3	Duke univ to mebane: erwin/fulton vi	DCHC	local		1	1	0	0	0	0	0
cb4	Chapel Hill from Columbia St via MLK	DCHC	local		1	1	0	0	0	0	0
cb5	RDU -Hillborough: RDU via I40 NC 86	DCHC	local		1	1	0	0	0	0	0

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cb5a	Chapel Hill	DCHC	local		0	1	0	0	0	0	0
cb6	NC54 W to Alance Co:from US15501 via	DCHC	local		0	1	0	0	0	0	0
cb7	NC54 W to Alamance: jones ferry rd t	DCHC	local		0	1	0	0	0	0	0
cb8	Chapel to Pittsboro: columbia via US	DCHC	local		1	1	0	1	0	0	0
cb9	Mt carmel church rd: us15501 to old	DCHC	local		1	1	0	1	0	0	0
cb10	nc98 wake forest rd: DATA terminal t	DCHC	express		1	1	0	1	0	0	0
cb11	US70 Glenwood Ave:DATA term via chap	DCHC	local		1	1	0	0	0	0	0
cb12	NC 147 Triangle Parkway: from Duke/F	DCHC	local		1	1	0	0	0	0	0
cb13	NC 55 to Apex : Alston rail station	DCHC	local		1	1	0	0	0	0	0
cb14	Western Wake RDU via aviation pkway	DCHC	local		1	1	0	0	0	0	0
cb16	NC 54-RDU: Southpoint mail, via slat	DCHC	local		1	1	0	1	0	0	0
162	CHT Gateway Feeder 2	CHT	Local bus		1	1	0	1	0	0	0
163	CHT Gateway Feeder 3	CHT	Local bus		1	1	0	1	0	0	0
164	CHT HW 2B Feeder	CHT	Local bus		1	1	0	1	0	0	0
165	CHT HW 2A Feeder	CHT	Local bus		1	1	0	1	0	0	0
166	CHT HW 1B Feeder	CHT	Local bus		1	1	0	1	0	0	0
167	CHT HW 1A Feeder	CHT	Local bus		1	1	0	1	0	0	0
168	CHT Eubanks Station 1B Feeder	CHT	Local bus		1	1	0	1	0	0	0
169	CHT Eubanks Station 1A Feeder	CHT	Local bus		1	1	0	1	0	0	0
170	CHT MOD 10 XPS OB	CHT	Express bus		1	1	1	1	0	1	1
171	CHT MOD 10 XPS IB	CHT	Express bus		1	1	1	1	0	1	1
172	CHT Meadowmont Feeder OB	CHT	Local bus		1	1	0	1	0	0	0
173	CHT Meadowmont Feeder IB	CHT	Local bus		1	1	0	1	0	0	0
174	CHT CH MODY	CHT	Local bus		1	1	1	1	0	1	1
175	CHT CARR 2 Feeder	CHT	Local bus		1	1	0	1	0	0	0
176	CHT Base 11 S Orange OB	CHT	Express bus		1	1	1	0	0	1	1
177	CHT Base 11 S Orange IB	CHT	Express bus		1	1	1	0	0	1	1
178	CHT MOD 8 OB-1	CHT	Local bus		1	1	1	1	0	1	1
179	CHT MOD 8 IB-1	CHT	Local bus		1	1	1	1	0	1	1
180	CHT MOD 8 OB-2	CHT	Express bus		1	1	1	1	0	1	1
181	CHT MOD 8 IB-2	CHT	Express bus		1	1	1	1	0	1	1
182	CHT MOD 1 OB	CHT	Local bus		1	1	1	1	0	1	1
183	CHT MOD 1 IB	CHT	Local bus		1	1	1	1	0	1	1

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				0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
184	CHT Meadowmont Feeder 3	CHT	Local bus		1	1	0	1	0	0	0
185	CHT Meadowmont Feeder 2	CHT	Local bus		1	1	0	1	0	0	0
186	CHT MODV OB	CHT	Local bus		1	1	1	1	0	1	1
187	CHT MODV IB	CHT	Local bus		1	1	1	1	0	1	1
188	CHT MOD 22 Exp OB	CHT	Express bus		1	1	1	0	0	1	1
189	CHT MOD 22 Exp IB	CHT	Express bus		1	1	1	0	0	1	1
190	CHT MOD 21 OB	CHT	Local bus		1	1	1	1	0	1	1
191	CHT MOD 21 IB	CHT	Local bus		1	1	1	1	0	1	1
192	CHT HW 3B Feeder	CHT	Local bus		1	1	1	1	0	1	1
193	CHT HW 3A Feeder	CHT	Local bus		1	1	1	1	0	1	1
194	CHT EW Crosstown	CHT	Express bus		1	1	1	0	0	1	1
195	CHT Carr 1B Feeder	CHT	Local bus		1	1	0	1	0	0	0
196	CHT Carr 1A Feeder	CHT	Local bus		1	1	0	1	0	0	0
197	CHT Base 9 Mason Farm Exp OB	CHT	Express bus		1	1	1	0	0	1	1
198	CHT Base 9 Mason Farm Exp IB	CHT	Express bus		1	1	1	0	0	1	1
199	CHT Base 8 UNC Exp OB	CHT	Express bus		1	1	1	1	0	1	1
200	CHT Base 8 UNC Exp IB	CHT	Express bus		1	1	1	1	0	1	1
201	CHT Base 2 New Hope Commons OB	CHT	Local bus		1	1	1	1	0	1	1
202	CHT Base 2 New Hope Commons IB	CHT	Local bus		1	1	1	1	0	1	1
203	CHT Base 13 Hills. Exp OB	CHT	Express bus		1	1	1	0	0	1	1
204	CHT Base 13 Hills. Exp IB	CHT	Express bus		1	1	1	0	0	1	1
205	CHT Base 1 Carr N OB	CHT	Local bus		1	1	1	1	0	1	1
206	CHT Base 1 Carr N IB	CHT	Local bus		1	1	1	1	0	1	1
207	CHT Base 4 Laurel Hills OB	CHT	Local bus		1	1	1	1	0	1	1
208	CHT Base 4 Laurel Hills IB	CHT	Local bus		1	1	1	1	0	1	1
209	CHT Base 3 Estes-Carrboro OB	CHT	Local bus		1	1	1	1	0	1	1
210	CHT Base 3 Estes-Carrboro IB	CHT	Local bus		1	1	1	1	0	1	1
211	CHT MOD 20 Pitt. Exp OB	CHT	Express bus		1	1	1	0	0	1	1
212	CHT MOD 20 Pitt. Exp IB	CHT	Express bus		1	1	1	0	0	1	1
253	CHT A OB:MLKBlvd-Weiner	CHT	Local bus		1	1	1	1	0	1	1
254	CHT A IB:Weiner-MLKBlvd	CHT	Local bus		1	1	1	1	0	1	1
255	CHT CW OB:JonesFerry-Pittsboro	CHT	Local bus		1	1	1	1	0	1	1
256	CHT CW IB:Pittsboro-JonesFerry	CHT	Local bus		1	1	1	1	0	1	1

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				0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
257	CHT CM IB:FamPrac-JonesFerry	CHT	Local bus		1	1	1	1	0	1	1
258	CHT CM OB:JonesFerry-FamPrac	CHT	Local bus		1	1	1	1	0	1	1
259	CHT CPX OB:CarrboroP&R-UNC	CHT	Express bus		1	1	1	0	0	1	1
260	CHT CPX IB:UNC-CarborroP&R	CHT	Express bus		1	1	1	0	0	1	1
261	CHT D OB:SmithLevel-Providence	CHT	Local bus		1	1	1	1	0	1	1
262	CHT D IB:Providence-SmithLevel	CHT	Local bus		1	1	1	1	0	1	1
263	CHT CL OB: UNCHosp-WaldenGrnfls	CHT	Local bus		1	1	1	1	0	1	1
264	CHT CL IB: WaldenGrnfls-UNCHosp	CHT	Local bus		1	1	1	1	0	1	1
265	CHT FCX OB:FridayCntr-Pittsboro	CHT	Express bus		1	1	1	0	0	1	1
266	CHT FCX IB:Pittsboro-FridayCntr	CHT	Express bus		1	1	1	0	0	1	1
267	CHT F IB:ColonyWoods-McDougle	CHT	Local bus		1	1	1	1	0	1	1
268	CHT F OB:McDougle-ColonyWoods	CHT	Local bus		1	1	1	1	0	1	1
269	CHT G OB:BookerCreek-Briarcliff	CHT	Local bus		1	1	1	1	0	1	1
270	CHT G IB:Briarcliff-BookerCreek	CHT	Local bus		1	1	1	1	0	1	1
271	CHT HS OB:Hghsch-VarsityTheater	CHT	Local bus		1	1	1	1	0	1	1
272	CHT HS IB:VarsityTheater-Hghsch	CHT	Local bus		1	1	1	1	0	1	1
273	CHT HUX OB:HedrickBldg-UNCHosp	CHT	Express bus		1	1	1	1	0	1	1
274	CHT HUX IB:UNCHosp-HedrickBldg	CHT	Express bus		1	1	1	1	0	1	1
275	CHT J OB:RockCrkApt-SGreensboro	CHT	Local bus		1	1	1	1	0	1	1
276	CHT J IB:SGreensboro-RockCrkApt	CHT	Local bus		1	1	1	1	0	1	1
277	CHT JFX OB:JonesFerry-Pittsboro	CHT	Express bus		1	1	1	0	0	1	1
278	CHT JFX IB:Pittsboro-JonesFerry	CHT	Express bus		1	1	1	0	0	1	1
279	CHT NS IB:SVillage-Eubanks	CHT	Local bus		1	1	1	0	0	1	1
280	CHT NUX OB: PRLot-UNCHosp	CHT	Express bus		1	1	1	1	0	1	1
281	CHT NUX IB:UNCHosp-PR Lot	CHT	Express bus		1	1	1	1	0	1	1
282	CHT T OB:ECHHghSch-UNCHosp	CHT	Local bus		1	1	1	1	0	1	1
283	CHT T IB:UNCHosp-ECHHghSch	CHT	Local bus		1	1	1	1	0	1	1
284	CHT U OB:FranklinSt-BowlesDr	CHT	Local bus		1	1	1	1	0	1	1
285	CHT U IB:BowlesDr-FranklinSt	CHT	Local bus		1	1	1	1	0	1	1
286	CHT RU OB:FamilyPract-Columbia	CHT	Local bus		1	1	1	1	0	1	1
287	CHT RU IB:Columbia-FamilyPract	CHT	Local bus		1	1	1	1	0	1	1
288	CHT V OB:SVillage-Meadowmont	CHT	Local bus		1	1	1	1	0	1	1
289	CHT V IB:Meadowmont-SVillage	CHT	Local bus		1	1	1	1	0	1	1

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290	CHT N OB:FamilyPract-EstsPrkApt	CHT	Local bus		1	1	1	1	0	1	1
291	CHT N IB:EstsParkApt-FamilyPract	CHT	Local bus		1	1	1	1	0	1	1
292	CHT M IB:UnivMall-CrestCole	CHT	Local bus		1	1	1	1	0	1	1
293	CHT M OB:CrestCole-UnivMall	CHT	Local bus		1	1	1	1	0	1	1
308	CHT NS OB:Eubanks-SVillage	CHT	Local bus		1	1	1	0	0	1	1
362	CHT S OB: HedrickBldg-UNCHosp	CHT	Local bus		1	1	1	1	0	1	1
363	CHT S IB: UNCHosp-HedrickBldg	CHT	Local bus		1	1	1	1	0	1	1
c1	BRT 1 IB I40_Rosemary_UNC	CHT	BRT		0	1	0	1	0	0	0
c2	BRT 1 OB UNC- Rosemary - I40	CHT	BRT		0	1	0	1	0	0	0
c3	BRT 3A IB I40 to UNC via US 15	CHT	BRT		0	1	0	1	0	0	0
c4	BRT 3A OB UNC to I40 via US15	CHT	BRT		0	1	0	1	0	0	0
c5	BRT 3B IB I40-Elizabeth-UNC	CHT	BRT		0	1	0	1	0	0	0
c6	BRT 3B OB UNC-Elizabeth-I40	CHT	BRT		1	1	0	1	0	0	0
c7	BRT 3C IB I40 to Carolina N	CHT	BRT		0	1	0	1	0	0	0
c8	BRT 3C OB Carolina N to I40	CHT	BRT		0	1	0	1	0	0	0
c9	BRT 4 IB City Boundary to UNC	CHT	BRT		0	1	0	1	0	0	0
c10	BRT 4 OB UNC to City Boundary	CHT	BRT		0	1	0	1	0	0	0
c11	BRT 5 IB I40 to UNC	CHT	BRT		0	1	0	0	0	0	0
c12	BRT 5 OB UNC to I40	CHT	BRT		0	1	0	0	0	0	0
c13	BRT 6 IB to Carolina North	CHT	BRT		0	1	0	1	0	0	0
c14	BRT 6 OB from Carolina North	CHT	BRT		0	1	0	1	0	0	0
c15	BRT 7 IB to Carolina North	CHT	BRT		0	1	0	1	0	0	0
c16	BRT 7 IB to UNC	CHT	BRT		0	1	0	1	0	0	0
c17	BRT 7 OB from Carolina North	CHT	BRT		0	1	0	1	0	0	0
c18	BRT 7 OB from UNC	CHT	BRT		0	1	0	1	0	0	0
c19	BRT 8 IB to UNC	CHT	BRT		0	1	0	1	0	0	0
c20	BRT 8 OB from UNC	CHT	BRT		0	1	0	1	0	0	0
c21	BRT 8 IB to Carolina North	CHT	BRT		0	1	0	1	0	0	0
c22	BRT 8 OB from Carolina North	CHT	BRT		0	1	0	1	0	0	0
117	Duke Med 1 WB	Duke	Local bus		1	1	1	1	0	1	1
118	Duke Med 1 EB	Duke	Local bus		1	1	1	1	0	1	1
119	Duke Villa NB	Duke	Local bus		1	1	1	1	0	1	1
120	Duke Villa SB	Duke	Local bus		1	1	1	1	0	1	1

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121	Duke Med 4 WB	Duke	Local bus		1	1	1	1	0	1	1
122	Duke Med 4 EB	Duke	Local bus		1	1	1	1	0	1	1
123	Duke Student Park WB	Duke	Local bus		1	1	1	1	0	1	1
124	Duke Student Park EB	Duke	Local bus		1	1	1	1	0	1	1
125	Duke Med 3 SB	Duke	Local bus		1	1	1	1	0	1	1
126	Duke Med 3 NB	Duke	Local bus		1	1	1	1	0	1	1
127	Duke Science Loop CW	Duke	Local bus		1	1	1	1	0	1	1
128	Duke Science Loop CCW	Duke	Local bus		1	1	1	1	0	1	1
129	Duke E/Cent./W WB	Duke	Local bus		1	1	1	1	0	1	1
130	Duke E/Cent./W EB	Duke	Local bus		1	1	1	1	0	1	1
131	Duke E/W WB	Duke	Local bus		1	1	1	1	0	1	1
132	Duke E/W EB	Duke	Local bus		1	1	1	1	0	1	1
309	DUKE C2 OB:WestCampus-EastCampus	Duke	Local bus		1	1	1	1	0	1	1
310	DUKE C2 IB:EastCampus-WestCampus	Duke	Local bus		1	1	1	1	0	1	1
311	DUKE C3 OB:ScienceDr-EastCampus	Duke	Local bus		1	1	1	1	0	1	1
312	DUKE C3 IB:EastCampus-ScienceDr	Duke	Local bus		1	1	1	1	0	1	1
313	DUKE H1 IB:Entry11-PG3	Duke	Local bus		1	1	1	1	0	1	1
314	DUKE H1 OB:PG3-Entry11	Duke	Local bus		1	1	1	1	0	1	1
315	DUKE H2 IB:HospNorth-PG3	Duke	Local bus		1	1	1	1	0	1	1
316	DUKE H3 OB:HospNorth-HillsbghRd	Duke	Local bus		1	1	1	1	0	1	1
317	DUKE H3 IB:HillsbghRd-HospNorth	Duke	Local bus		1	1	1	1	0	1	1
318	DUKE H5 OB:MillBldg-HockPlaza	Duke	Local bus		1	1	1	1	0	1	1
319	DUKE PR1 IB:Entry11-BassettDr	Duke	Local bus		1	1	1	1	0	1	1
320	DUKE PR2 IB:ScienceDr-BassettDr	Duke	Local bus		1	1	1	1	0	1	1
321	DUKE H2 OB:PG3-HospNorth	Duke	Local bus		1	1	1	1	0	1	1
322	DUKE PR1 OB:BassettDr-Entry11	Duke	Local bus		1	1	1	1	0	1	1
323	DUKE PR2 OB:BassettDr-ScienceDr	Duke	Local bus		1	1	1	1	0	1	1
324	DUKE H6 OB: LaSalleStLot-Entry11	Duke	Local bus		1	1	1	1	0	1	1
325	DUKE C1 IB:WestCampus-EastCampus	Duke	Local bus		1	1	1	1	0	1	1
326	DUKE C1 OB:EastCampus-WestCampus	Duke	Local bus		1	1	1	1	0	1	1
364	DUKE H5 IB: HockPlaza-MillBldg	Duke	Local bus		1	1	1	1	0	1	1
365	DUKE H6 IB: Entry11-LasalleStLot	Duke	Local bus		1	1	1	1	0	1	1
156	NCCU Circular	NCCU	Local bus		1	1	1	1	0	1	1

2030 LRTP and CTP

Transit Projects and Alternatives

Old ID	Route Name	System	Service Type	Benchmarks:			LRTP Alternatives:				
				0-- E+C	1-- 2030	2-- CTP	3-- Hwy	4-- FG	5-- Bus	6-- Mod	7-- Pres
157	NCCU Shuttle SB	NCCU	Local bus		1	1	1	1	0	1	1
158	NCCU Shuttle NB	NCCU	Local bus		1	1	1	1	0	1	1
159	OPT Hillsborough-Chapel Hill SB	OPT	Express bus		1	1	1	1	0	1	1
160	OPT Hillsborough-Chapel Hill NB	OPT	Express bus		1	1	1	1	0	1	1

DCHC MPO -- 2035 LRTP

Detailed Schedule (5/28/08)

No.	Task	Description	Due Date
2008			
	Draft LRTP <u>Alternatives</u>	Service Bureau provides model performance measures for LRTP Alternatives and Land Use combinations, and CTP	May 28
	Release LRTP <u>Alternatives</u>	TAC release LRTP Alternatives and CTP for public comment	June 11
	LRTP <u>Alternatives</u> Public Comments	- publish and mail LRTP Alternatives and CTP - conduct public workshops in all three counties - provide Web-based feedback application - local governments review and provide feedback - local government boards (e.g., planning commissions, bicycle/pedestrian commissions) review and feedback - consult with resource agencies (e.g., Army Corps of Engineers)	June-September
	Review LRTP <u>Alternatives</u> and CTP	- staff provide public, local government and board comments - staff provide draft Financial Plan - TAC conduct public hearing (<i>evening meeting</i>) - TAC review and provide comments	August 13
	Draft <u>Preferred Option</u> and CTP	- TAC release Draft Preferred Option and CTP for public comment - Preferred Option includes Financial Plan	September 10
	<u>Preferred Option</u> Public Comments	- publish and mail Preferred Option - conduct public workshops in all three counties - provide Web-based feedback application - local governments review and provide feedback - local government boards (e.g., planning commissions, bicycle/pedestrian commissions) review and feedback - consult with resource agencies (e.g., Army Corps of Engineers)	September-October
	<u>Preferred Option</u> Public Hearing	- staff provide public, local government and board comments - TAC conduct public hearing (<i>evening meeting</i>) - TAC provide comments	October 8
	Approve <u>2035 LRTP</u> and <u>CTP</u>	- staff provide public, local government and board comments - TAC provide comments - TAC approve 2035 LRTP and CTP	November 12

(continued next page)

(continued from previous page)

2009			
	Release <u>Air Quality</u> Report for Public Comment	- conduct emissions analysis - prepare AQ Report - TAC release AQ Report for Public Comment	January 14
	<u>Air Quality</u> Public Comments	- publish and mail Air Quality Report - provide Web-based feedback application - public hearing - consult with other state and federal agencies	January-February
	Agency Review of <u>Air Quality</u> Report	State (e.g., DENR) and federal (FHWA, FTA, EPA) oversight agencies review and provide detailed feedback	February 16
	<u>Air Quality</u> Public Hearing	- TAC conduct public hearing on Air Quality - TAC provide feedback	February 11
	Approve <u>Air Quality</u> Report	TAC approve Air Quality Determination and Analysis Report	March 11
	Federal Approval of <u>2035 LRTP</u> and <u>Air Quality</u> Report	Federal agencies approve 2035 LRTP and Air Quality Report	May 1

**RESOLUTION ADOPTING AN ADMINISTRATIVE MODIFICATION TO THE
2007-2013 TRANSPORTATION IMPROVEMENT PROGRAM
FOR THE DURHAM-CHAPEL HILL-CARRBORO URBAN AREA**

**Administrative Modification #3
June 11, 2008**

A motion was made by TAC Member _____ and seconded by TAC Member _____ for the adoption of the following resolution, and upon being put to a vote, was duly adopted.

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

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

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

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

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

WHEREAS, The North Carolina Department of Transportation and the Transportation Advisory Committee have determined it to be in the best interest of the Urban Area to modify the FY 2007-2013 Metropolitan Transportation Improvement Program as described in the attached sheet; and

WHEREAS, There has been no change in the MTIP project schedule or project design concept and scope with regard to the air quality conformity finding made by the Durham-Chapel Hill-Carrboro Transportation Advisory Committee on May 9, 2007; and

Now, therefore, be it resolved that:

The Durham-Chapel Hill-Carrboro Transportation Advisory Committee hereby adopts an administrative modification to the FY 2007-2013 Metropolitan Transportation Improvement Program of the Durham-Chapel Hill-Carrboro Urban Area, as approved by the TAC on May 9,

2007, and as described in the "Attachment to Resolution for Administrative Modification #3 to the DCHC MPO 2007-2013 MTIP."

I, _____, Transportation Advisory Committee Chair, do hereby certify that the above is a true and correct copy of the excerpt from the minutes of a meeting of the Durham-Chapel Hill-Carrboro Transportation Advisory Committee, duly held on the 11th day of June 2008.

Signature of the TAC Chair
Durham-Chapel Hill-Carrboro Transportation Advisory Committee

STATE of: North Carolina
COUNTY of _____

I, _____, Notary Public of _____ County, North Carolina do hereby certify that _____ personally appeared before me on the _____ day of _____ 2008 to affix her signature to the foregoing document.

Notary Public
My Commission expires: _____

Attachment to Administrative Modification #3 for the DCHC MPO 2007-2013 MTIP

Add Funded:

I.D. No.	System	Description		Funding	FFY
TA-4987	Chapel Hill Transit	12 Replacement Buses includes 8 buses funded by CMAQ	FBUS	\$ 1,162,000	2008
			CMAQ	\$ 2,296,000	
			STAT	\$ 333,301	
			L	\$ 374,964	
			TOTAL	\$ 4,166,265	
		<i>CMAQ Funds Transferred to FTA</i>			

Add Funded:

I.D. No.	System	Description		Funding	FFY
TA-4923	Durham	7 Hybrid Replacement Buses	CMAQ	\$ 3,080,000	2008
			STAT	\$ 385,000	
			L	\$ 385,000	
			TOTAL	\$ 3,850,000	
		<i>CMAQ Funds Transferred to FTA</i>			

Add Funded:

I.D. No.	System	Description		Funding	FFY
TA-4818	TRIANGLE TRANSIT AUTHORITY	Replacement Buses includes 10 buses funded by CMAQ	CMAQ	\$ 2,720,000	2008
			STAT	\$ 340,000	
			L	\$ 340,000	
			TOTAL	\$ 3,400,000	
		<i>CMAQ Funds Transferred to FTA</i>			

Add Funded:

I.D. No.	System	Description		Funding	FFY
TA-4992	TRIANGLE TRANSIT AUTHORITY	Vanpool Fleet Expansion includes: 14 12-passenger vans and 2 7-passenger vans	CMAQ	\$ 258,400	2008
			STAT	\$ 32,300	
			L	\$ 32,300	
			TOTAL	\$ 323,000	
		<i>CMAQ Funds Transferred to FTA</i>			



DURHAM • CHAPEL HILL • CARRBORO METROPOLITAN PLANNING ORGANIZATION

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

June 11, 2008

Ms. Miriam Perry, Director
 Public Transportation Division
 N.C. Department of Transportation
 1550 Mail Service Center
 Raleigh, NC 27699-1550

Dear Ms. Perry:

The Durham-Chapel Hill-Carrboro MPO requests the transfer of CMAQ funds for FFY 2008 from the Federal Highway Administration to the Federal Transit Administration for the CMAQ projects listed below as soon as FHWA is authorized to do so. The funding is as follows:

TIP #	Project	FFY 08
TA-4987	Chapel Hill, purchase eight replacement buses	\$2,296,000
TA-4923	Durham, purchase seven hybrid electric replacement buses	\$3,080,000
TA-4818	Triangle Transit, purchase ten replacement buses	\$2,720,000
TA-4992	Triangle Transit, purchase sixteen expansion vans	\$258,400

This request was approved by the Durham-Chapel Hill-Carrboro Transportation Advisory Committee at its meeting on June 11, 2008 (see attached resolution).

Your assistance with these projects is greatly appreciated.

Sincerely,

Alice Gordon
 Chair, Transportation Advisory Committee

cc: Bill Barlow, NCDOT - Public Transportation Division
 Carmen Cole, Town of Chapel Hill
 Stephen Spade, Town of Chapel Hill
 Harriet Lyons, City of Durham
 Pierre Osei-Owusu, City of Durham
 Patrick McDonough, Triangle Transit
 David King, Triangle Transit
 Felix Nwoko, DCHC MPO

MEMORANDUM

TO: Technical Coordinating Committee (TCC)
DCHC MPO

FROM: Lead Planning Agency

DATE: May 28, 2008

RE: FY 2009-2015 Metropolitan Transportation Improvement Program

The State Board of Transportation released the draft FY 2009-2015 STIP on October 31, 2007 (Attachment 7A). The DCHC MPO released the supplement to the draft STIP as the draft MTIP in January and held a public hearing in February. In addition, NCDOT held public comment meetings on the STIP in February. One-on-one meetings for Division 5 and Division 7 were held in February and March. The agendas for the one-on-one meetings are included as Attachment 7B and 7C.

NCDOT staff have provided the LPA a report showing anticipated changes between the draft STIP and the final STIP (Attachment 7D). NCDOT staff has reported that the final FY 2009-2015 STIP will be approved by the State Board of Transportation in June.

Final FY 2009-2015 MTIP/STIP

The MPO currently does not have a copy of the final STIP but anticipates receiving it in early June after State BOT adoption. LPA staff have reviewed Attachment 7D and offer the following comments.

Highway Projects

- Additional construction funding for U-0071 (East End Connector) is programmed for FY 2013. This is consistent with the request of the City of Durham and Durham County TAC members.
- NCDOT is receptive to adding language to highway project descriptions indicating that bicycle, pedestrian, and transit improvements should be included in the design of the project. LPA staff are working with NCDOT to add this language on the appropriate projects.

Bicycle and Pedestrian Projects

- STP-DA funding matches the table that the TAC approved in May.

Transit Projects

- STP-DA funding matches the table that the TAC approved in May.

The LPA provided NCDOT the following list of comments regarding transit projects listed in Attachment 7D on May 16, 2008 (some corrections and clarifications have been made based on the Administrative Modification #3 to the FY 2007-2013 MTIP):

- The two new 2008 CMAQ projects for DATA and CHT are double-counted. (“2008 CMAQ” refers to projects approved by the MPO this year. “2005 CMAQ” refers to projects approved by the MPO in 2005. “Statewide CMAQ” refers to funds that PTD recently provided to transit operators.
 - For DATA: Project C-5103 lists the 2008 CMAQ project (capital and operating expenses for 2 expansion buses). Project TA-4755 lists 13 expansion buses in FY 2009. TA-4755 should be only 11 expansion buses in FY 2009 because 2 are accounted for in C-5103. The 11 buses include 6 funded with \$2,592,000 of STPDA and 5 funded with \$2,160,000 from a combination of a 2005 CMAQ project plus shortfall funding provided by a 2008 CMAQ project (plus state and local matches).
 - For CHT: Project C-5104 lists the 2008 CMAQ project (capital and operating expenses for 2 replacement buses). Project TA-4726 lists 11 replacement buses in FY 2009. With C-5104 and the additional Statewide CMAQ funds being provided in FY 2008 for 12 replacement buses, TA-4726 should list zero replacement buses in FY 2009.
- DATA and CHT: On C-5103 and C-5104, the table only shows a 20% C (“city”) match for capital and operating. Suggest labeling this L for “local”. The 20% consists of a local and state match for the capital portion of these projects.
- DATA: TA-4923 is labeled as 11 replacement buses. It is actually a total of 34 replacement buses. This should be displayed like the Chapel Hill Transit buses with 4 replacement buses in 2009 and 30 replacement buses in 2013. With the additional Statewide CMAQ funds being provided in FY 2008 for 7 hybrid electric replacement buses, the FY 2009 needs are now only 4 replacement buses
- CHT: TA-4979 is partially redundant with TA-4748 (in FY 2010 and 2014) and partially not matching CHT’s requests (in FY 2011). This project should be deleted.
- CHT: TA-4995 FEDU funding in FFY13 should be 1333 not 1233
- CHT: TA-4748 is partially funded – the \$400,000 STPDA in FFY09.
- CHT: TA-4726 is partially funded – the \$2,242,000 STPDA in FFY10.

- CHT: \$400,000 STPDA in FFY09 for TG-4731 should be deleted. CHT switched the \$400,000 from a “miscellaneous capital/buses” project to “up to 5 replacement vans”. These STPDA funds are shown in TA-4748.
- CHT: CHT included TM-5123 and TM-5129 to account for future JARC and NF projects that they will request. The DCHC MPO TAC has not approved funding for CHT projects in years FFY10-15 and it may be premature to list this future funding – or at least it should be labeled unfunded.
- DATA and CHT: The TAC approved one new CHT project for NF in FFY09, one new CHT project for JARC in FFY09, and two new DATA projects for JARC in FFY09.

TCC Action:

Review Attachment 7A and 7D and the comments above. Discuss any other possible changes needed for the final FY 2009-2015 STIP and MTIP. Recommend that the TAC approve the final FY 2009-2015 MTIP and the Air Quality Conformity Determination Report.

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

TCC 5/28/08 Attachment 7A

		TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAK										FISCAL YEARS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	"DELIVERABLE STIP"								"DEVELOPMENTAL STIP"					"UNFUNDED"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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I-40 ORANGE	I-4716	I-85 TO DURHAM COUNTY LINE. GRIND AND RESEAL JOINTS. (11 MILES)	1725	225	IMPM	C	1500																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

TCC 5/28/08 Attachment 7A

					TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAK										
					FISCAL YEARS										
ROUTE/CITY	ID	LOCATION / DESCRIPTION	TOTAL	PRIOR	FUNDING	"DELIVERABLE STIP"				"DEVELOPMENTAL STIP"					"UNFUNDED"
COUNTY	NUMBER	(LENGTH)	COST	COST	SOURCE	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS	
RURAL PROJECTS															
I-540	R-2000*	NORTHERN WAKE FREEWAY, NC 55	757500	757500											
NC 540		WEST OF MORRISVILLE TO US 64													
DURHAM		EAST NEAR KNIGHTDALE. FREEWAY													
WAKE		ON NEW LOCATION. (29 MILES)			AA	NC 55 WEST OF MORRISVILLE TO RESEARCH TRIANGLE PARK EAST LIMITS - UNDER CONSTRUCTION (OPEN TO TRAFFIC).									
					AB	RESEARCH TRIANGLE PARK EAST LIMITS TO SOUTHWEST OF I-40 - UNDER CONSTRUCTION (OPEN TO TRAFFIC).									
					AC	SOUTHWEST OF I-40 TO I-40 - UNDER CONSTRUCTION (OPEN TO TRAFFIC).									
					AD	TOLL PLAZA BETWEEN NC 55 AND NC 54 - PLANNING IN PROGRESS. NORTH CAROLINA TURNPIKE AUTHORITY PROJECT.									
					BA	I-40 TO NORTHEAST OF I-40 - COMPLETE.									
					BB	NORTHEAST OF I-40 TO SOUTHWEST OF LUMLEY ROAD - COMPLETE.									
					BD	SOUTHWEST OF LUMLEY ROAD TO NORTHEAST OF LUMLEY ROAD - COMPLETE.									
					BE	NORTHEAST OF LUMLEY ROAD TO NORTHEAST OF US 70 - COMPLETE.									
					CA	NORTHEAST OF US 70 TO SOUTHWEST OF SR 1826 (RAY ROAD) - COMPLETE.									
					CB	SOUTHWEST OF SR 1826 (RAY ROAD) TO EAST OF NC 50 - COMPLETE.									
					D	EAST OF NC 50 TO WEST OF SR 2000 (FALLS OF NEUSE ROAD) - COMPLETE.									
					EA	WEST OF SR 2000 (FALLS OF NEUSE ROAD) TO EAST SR 2013 (GRESHAM LAKE ROAD) - COMPLETE.									
					EB	EAST OF SR 2013 (GRESHAM LAKE ROAD) TO EAST OF US 1 - COMPLETE.									
					F	EAST OF US 1 TO SOUTH OF SR 2215 (BUFFALOE ROAD) - UNDER CONSTRUCTION (OPEN TO TRAFFIC).									
					G	SOUTH OF SR 2215 (BUFFALOE ROAD) TO US 64 EAST NEAR KNIGHTDALE - UNDER CONSTRUCTION (OPEN TO TRAFFIC).									
STRATEGIC HIGHWAY CORRIDOR															
US 15-501, US 29,	R-4403	NATIONAL HIGHWAY SYSTEM GUARD-	1068	1068											
US 158, US 220,		RAIL REHABILITATION. UPGRADE													
US 421, NC 68		SUB-STANDARD GUARDRAIL, END													
CASWELL		TREATMENTS AND BRIDGE ANCHOR													
GUILFORD		UNITS.													
ORANGE															
ROCKINGHAM															
DIVISION PROJECT - UNDER CONSTRUCTION															
NC 54	R-2904	NC 54, SR 1999 (DAVIS DRIVE) TO	4283	925	S	C	3358								
SR 1973		SR 1959 (MIAMI BOULEVARD) AND													
DURHAM		SR 1973 (PAGE ROAD), NC 54 TO I-40.													
		WIDEN TO MULTI-LANES AND REPLACE													
		RAILROAD STRUCTURE. (1.1 MILES)													
UNDER CONSTRUCTION - PROJECT LET WITH U-4026 - FFY 08 AMOUNT PROGRAMMED REFLECTS PAYBACK TO RESEARCH TRIANGLE FOUNDATION (RTF).															
NC 55	R-2906	US 64 IN WAKE COUNTY TO SR 1121	65816	65816											
DURHAM		(CORNWALLIS ROAD) IN DURHAM			A	NORTH OF US 64 TO SOUTH OF NC 540 - UNDER CONSTRUCTION (OPEN TO TRAFFIC).									
WAKE		COUNTY. WIDEN TO MULTI-LANES. (13			C	NORTH OF NC 540 IN WAKE COUNTY TO SR 1121 (CORNWALLIS ROAD) IN DURHAM - UNDER CONSTRUCTION (OPEN TO TRAFFIC).									
		MILES)													

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

TCC 5/28/08 Attachment 7A

		TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAK										FISCAL YEARS						
ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	<u>"DELIVERABLE STIP"</u>			<u>"DEVELOPMENTAL STIP"</u>					<u>"UNFUNDED"</u>				
						FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS				
<u>RURAL PROJECTS</u>																		
SR 1004 DURHAM	R-4752A	SR 2602 (RED MILL ROAD) TO THE MERCK PHAMACEUTICAL PLANT. STRENGTHEN PAVEMENT AND RESURFACE, ADD TURN LANES, AND INSTALL THERMOPLASTIC PAVEMENT MARKINGS.	900	900														
DIVISION PROJECT - UNDER CONSTRUCTION																		
NEW ROUTE ORANGE	R-3438	HILLSBOROUGH WESTERN BYPASS, US 70 TO NC 57. TWO LANES ON NEW LOCATION. (2.9 MILES)	7450		STP											R 200		
					STP											C 7250		
SR 1009 (SOUTH CHURTON STREET) ORANGE	R-2825	I-40 TO ENO RIVER. WIDEN TO MULTI-LANES AND WIDEN BRIDGE NO. 240 OVER SOUTHERN RAILROAD. (1.8 MILES)	19300		STP											R 4400		
					STP											C 14900		
<u>URBAN PROJECTS</u>																		
VARIOUS DURHAM	U-4729	CONGESTION MANAGEMENT STUDY FOR DURHAM COUNTY.	100	100														
IN PROGRESS																		
VARIOUS CHATHAM DURHAM ORANGE	U-5023	DURHAM-CHAPEL HILL-CARRBORO (DCHC) DA FUNDS - RESERVED FOR FUTURE PROGRAMMING.	12700		STPDA									C 6350	C 6350			
VARIOUS CHATHAM DURHAM ORANGE	U-4727	DURHAM-CHAPEL HILL-CARRBORO URBAN AREA PLANNING (DCHC) ALLOCATION AND UNIFIED WORK PROGRAM - ONGOING ACTIVITIES.	42728	40000	STPDA	C 273	C 273	C 273	C 273	C 273	C 273	C 273	C 273	C 273	C 273			
					O	C 68	C 68	C 68	C 68	C 68	C 68	C 68	C 68	C 68	C 68			
IN PROGRESS																		
CARRBORO ORANGE	U-2803	SR 1919 (SMITH LEVEL ROAD), ROCK HAVEN ROAD TO BRIDGE NO. 88. WIDEN TO MULTI-LANES. (0.6 MILE)	5871	471	S						R 600							
					S													
											C 4800							
PLANNING/DESIGN IN PROGRESS																		
CHAPEL HILL ORANGE	U-4008	US 15-501/ERWIN ROAD. INTERSECTION IMPROVEMENT.	6220	6220														
STRATEGIC HIGHWAY CORRIDOR					UNDER CONSTRUCTION													

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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		TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAK															
ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	"DELIVERABLE STIP"				"DEVELOPMENTAL STIP"					"UNFUNDED"		
						FY 2008	FY 2009	FY 2010		FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS		
URBAN PROJECTS																	
CHAPEL HILL ORANGE	U-449	REAL-TIME TRANSPORTATION INFORMATION SYSTEM.	1248	1248													
IN PROGRESS																	
CHAPEL HILL DURHAM ORANGE	U-4704	CHAPEL HILL-CARRBORO COMPUTERIZED TRAFFIC SIGNAL SYSTEM.	5000		STP				C	4550							
					C				C	450							
PLANNING/DESIGN IN PROGRESS																	
CARRBORO CHAPEL HILL ORANGE	U-2805	SR 1777 (HOMESTEAD ROAD), SR 1834 (HIGH SCHOOL ROAD) TO NC 86. WIDEN TO MULTI-LANES. (1.4 MILES)	10600	300	STP												R 4000
					STP												C 6300
CHAPEL HILL CARRBORO ORANGE	U-2909	SR 1780 (ESTES DRIVE), SR 1772 (GREENSBORO STREET) TO NC 86. WIDEN TO MULTI-LANES. (1.7 MILES)	7600	1000	STP												R 1600
					STP												C 5000
DURHAM CHAPEL HILL CHATHAM DURHAM ORANGE	U-3475	DCHC UNIFIED PLANNING WORK PROGRAM - SPECIAL PROJECTS SUPPLEMENT.	3317	1032	STPDA	PE	1148		PE	380							
					O	PE	287		PE	95							
IN PROGRESS																	
CHAPEL HILL ORANGE	U-3306	SR 1733 (WEAVER DAIRY ROAD), NC 86 TO SR 1734 (ERWIN ROAD). CORRIDOR UPGRADE, PART ON NEW LOCATION. (2.8 MILES)	15966	4925	STP				M	241							
					STP							C	4692				
					STPDA							C	566				
					C							C	142				
RIGHT OF WAY IN PROGRESS																	
CHAPEL HILL ORANGE	U-0624	NC 86 (SOUTH COLUMBIA STREET), SR 1906 PUREFOY ROAD) TO SR 1902 (MANNING DRIVE). CORRIDOR UPGRADE TO INCLUDE BICYCLE LANES. (0.7 MILE)	6660	3010	STP				C	3650							
RIGHT OF WAY IN PROGRESS																	
CHAPEL HILL ORANGE	U-4725A	EIGHTEEN (18) EXPANSION BUSES.	2088	2088													
FUNDS TRANSFERRED TO PROJECT TD-4711D FOR CHAPEL HILL TRANSIT MAINTENANCE FACILITY																	

* INDICATES INTRASTATE PROJECT

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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			TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAK													
			FISCAL YEARS													
ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	<u>"DELIVERABLE STIP"</u>				<u>"DEVELOPMENTAL STIP"</u>					<u>"UNFUNDED"</u>	
						FY 2008	FY 2009	FY 2010		FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS	
<u>URBAN PROJECTS</u>																
DURHAM	U-4720*	US 70, LYNN ROAD TO THE PROPOSED														
DURHAM		NORTHERN DURHAM PARKWAY.														
		(COORDINATE WITH U-4721) (7.8 MILES)														
STRATEGIC HIGHWAY CORRIDOR					THE CROSS SECTION FOR THIS PROJECT WILL BE ESTABLISHED BY MUTUAL AGREEMENT OF THE MPO AND NCDOT THROUGH THE STATE AND FEDERAL ENVIRONMENTAL REVIEW PROCESS.											
DURHAM	U-4446	NC 147 (DURHAM FREEWAY), I-40 TO	1502	1502												
DURHAM		I-85. INSTALL ITS INFRASTRUCTURE														
		IMPROVEMENTS.														
STRATEGIC HIGHWAY CORRIDOR					UNDER CONSTRUCTION											
DURHAM	U-2405	M. L. KING, JR. PARKWAY AND NC 55.	25800		STP										R 12000	
DURHAM		CONSTRUCT INTERCHANGE.			STP										C 13800	
					FEASIBILITY STUDY RE-EVALUATION IN PROGRESS											
DURHAM	U-4721*	NORTHERN DURHAM PARKWAY, I-540														
DURHAM		TO ROXBORO ROAD. (COORDINATE														
WAKE		WITH U-4720) (29.4 MILES)														
STRATEGIC HIGHWAY CORRIDOR					THE CROSS SECTION FOR THIS PROJECT WILL BE ESTABLISHED BY MUTUAL AGREEMENT OF THE MPO AND NCDOT THROUGH THE STATE AND FEDERAL ENVIRONMENTAL REVIEW PROCESS.											
DURHAM	U-4722*	US 501 (ROXBORO ROAD), US 501 BYPASS														
DURHAM		(DUKE STREET) TO SR 1640 (GOODWIN														
		ROAD). (4.4 MILES)														
STRATEGIC HIGHWAY CORRIDOR					THE CROSS SECTION FOR THIS PROJECT WILL BE ESTABLISHED BY MUTUAL AGREEMENT OF THE MPO AND NCDOT THROUGH THE STATE AND FEDERAL ENVIRONMENTAL REVIEW PROCESS.											
DURHAM	U-4445	NC 147 (DURHAM FREEWAY), NEAR	2000	2000												
DURHAM		ALSTON AVENUE. CONSTRUCT														
		PEDESTRIAN BRIDGE OVER NC 147 AND														
		REMOVE EXISTING SUBSTANDARD														
		PEDESTRIAN BRIDGE.														
STRATEGIC HIGHWAY CORRIDOR					UNDER CONSTRUCTION											
DURHAM	U-2807	US 15-501, SR 1010 (FRANKLIN STREET)	124653	1653	STP										R 25000	
CHAPEL HILL		IN CHAPEL HILL TO US 15-501 BYPASS IN			STP										C 98000	
DURHAM		DURHAM. MAJOR CORRIDOR UPGRADE.														
ORANGE		(3.8 MILES)														
STRATEGIC HIGHWAY CORRIDOR																
DURHAM	U-4009	SR 1126 (SERVICE ROAD) PARALLEL TO	5683	3633	S	C	1850									
DURHAM		US 15-501. RELOCATE EXISTING SERVICE			O	C	200									
		ROAD. (0.3 MILE)														
STRATEGIC HIGHWAY CORRIDOR					UNDER CONSTRUCTION											

* INDICATES INTRASTATE PROJECT

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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ROUTE/CITY COUNTY		ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	"DELIVERABLE STIP"								"DEVELOPMENTAL STIP"					"UNFUNDED"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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DURHAM DURHAM	U-3309	SR 2028 (T.W. ALEXANDER DRIVE), SR 1121 (CORNWALLIS ROAD) TO SR 1959 (MIAMI BOULEVARD). WIDEN TO A FOUR LANE DIVIDED FACILITY. (1.7 MILES)	13728	4684	STP	R	500	A																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	"DELIVERABLE STIP"					"DEVELOPMENTAL STIP"					"UNFUNDED"					
						FY 2008	FY 2009	FY 2010					FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS			
URBAN PROJECTS																					
DURHAM	U-4011	SR 1959 (SOUTH MIAMI BOULEVARD), SOUTH OF SR 2112 (METHODIST STREET) TO NORTH OF SR 1960 (BETHESDA AVENUE). WIDEN TO FIVE LANES TO PROVIDE CENTER TURN LANE. (0.7 MILE)	6627	150	STPDA	M	34														
DURHAM					S(M)	M	9														
					STPDA	R	2827														
					S(M)	R	707														
					STP				C	2900											
PLANNING/DESIGN IN PROGRESS																					
DURHAM	U-4010	NC 98 (HOLLOWAY STREET), EAST OF US 70 TO EAST OF JUNCTION ROAD. WIDEN FOR CENTER TURN LANE. (0.3 MILE)	6241	6241																	
DURHAM																					
UNDER CONSTRUCTION																					
DURHAM	U-2831B	BRIGGS AVENUE EXTENSION, RIDDLE ROAD TO SR 1951 (SO-HI DRIVE). TWO LANES ON MULTI-LANE RIGHT OF WAY. (1 MILE)	10685	6185	S															R	1200
DURHAM					S															C	3300
PROJECT U-2831A - COMPLETE																					
HILLSBOROUGH	U-3808	ELIZABETH BRADY ROAD EXTENSION, SOUTH OF US 70 BUSINESS TO NORTH OF US 70 BYPASS AT SR 1002 (ST. MARY'S ROAD). MULTI-LANES WITH A NEW CROSSING OF ENO RIVER. (1.4 MILES)	24730	400	STP																
ORANGE					STP																
					STP																
PLANNING/DESIGN IN PROGRESS																					
HILLSBOROUGH	U-3436	SR 1148 (ENO MOUNTAIN ROAD) AND SR 1192 (MAYO STREET) AT SR 1006 (ORANGE GROVE ROAD). REALIGN INTERSECTION AND MAKE SAFETY IMPROVEMENTS.	2350		STP															R	600
ORANGE					STP															C	1750
STRATEGIC HIGHWAY CORRIDOR																					
RESEARCH	U-4763B	NEW ROUTE - TRIANGLE PARKWAY, I-540 TO I-40. MULTI-LANE FACILITY ON NEW LOCATION. (3.5 MILES)	174703	6703	O	R	20900														
TRIANGLE PARK					O	C	47100		C	51900		C	48100								
DURHAM																					
WAKE																					
PLANNING/DESIGN IN PROGRESS - NORTH CAROLINA TURNPIKE AUTHORITY PROJECT																					

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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RESEARCH	U-4026	SR 1613-SR 1999 (DAVIS DRIVE), SR 3014 (MORRISVILLE-CARPENTER ROAD) IN WAKE COUNTY TO NC 54 IN DURHAM COUNTY. WIDEN TO MULTI-LANES. (5.7 MILES)	52182	38182	S	C	14000	B																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

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ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	<u>"DELIVERABLE STIP"</u>								<u>"DEVELOPMENTAL STIP"</u>					<u>"UNFUNDED"</u>
						FY 2008	FY 2009	FY 2010									FY 2011	FY 2012	FY 2013
FEDERAL BRIDGE PROJECTS																			
SR 1616 DURHAM	B-4110	MOUNTAIN CREEK. REPLACE BRIDGE NO. 5	1594	1594															
UNDER CONSTRUCTION																			
SR 1616 DURHAM	B-4943	SANDY CREEK. REPLACE BRIDGE NO. 20	1100		NFA										R	100			
					NFA										C	1000			
SR 1730 ORANGE	B-4218	NEW HOPE CREEK. REPLACE BRIDGE NO. 108	1008	258	NFA	C	750												
RIGHT OF WAY IN PROGRESS																			
SR 1839 WAKE	B-3528	SYCAMORE CREEK. REPLACE BRIDGE NO. 429	1810	510	NFA	C	1300												
RIGHT OF WAY IN PROGRESS																			
MITIGATION PROJECTS																			
VARIOUS ALAMANCE CASWELL GUILFORD ORANGE ROCKINGHAM	EE-4907	ECOSYSTEM ENHANCEMENT PROGRAM FOR DIVISION 7 PROJECT MITIGATION.	7221	7221															
IN PROGRESS																			
VARIOUS CHATHAM HOKE LEE MONTGOMERY MOORE RANDOLPH RICHMOND SCOTLAND	EE-4908	ECOSYSTEM ENHANCEMENT PROGRAM FOR DIVISION 8 PROJECT MITIGATION.	8756	8756															
IN PROGRESS																			

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			FISCAL YEARS												
ROUTE/CITY	ID	LOCATION / DESCRIPTION	TOTAL	PRIOR	FUNDING	<u>"DELIVERABLE STIP"</u>				<u>"DEVELOPMENTAL STIP"</u>					<u>"UNFUNDED"</u>
COUNTY	NUMBER	(LENGTH)	COST	COST	SOURCE	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS	
			(THOU)	(THOU)											
MITIGATION PROJECTS															
VARIOUS	EE-4905	ECOSYSTEM ENHANCEMENT PROGRAM	5167	5167											
DURHAM		FOR DIVISION 5 PROJECT MITIGATION.													
FRANKLIN															
GRANVILLE															
PERSON															
VANCE															
WAKE															
WARREN															
IN PROGRESS															
BICYCLE AND PEDESTRIAN PROJECTS															
CARRBORO	EB-5021	SR 1780 (ESTES DRIVE), SR 1772	480	480											
CHAPEL HILL		(GREENSBORO STREET) TO SR 1843													
ORANGE		(SEAWELL SCHOOL ROAD). ADD PAVED													
		SHOULDERS TO ACCOMMODATE													
		BICYCLES. (0.94 MILE)													
DIVISION PROJECT - UNDER CONSTRUCTION															
CARRBORO	U-3100B	SR 1107 (OLD FAYETTEVILLE ROAD),	1800		S										
ORANGE		NC 54 TO SR 1106 (STROUD LANE).			S										
		PROVIDE BICYCLE AND PEDESTRIAN													
		FACILITIES AND TRANSIT													
		ACCOMMODATIONS. (0.5 MILE)													
PROJECT U-3100A COMPLETE - PLANNING/DESIGN IN PROGRESS															
DURHAM	EB-4707	SR 2220 (OLD CHAPEL HILL ROAD)-	3828		STPEB		C	400							
CHAPEL HILL		SR 1838 (OLD DURHAM ROAD), SR 1116			STPDA		C	1371	C	1371					
DURHAM		(GARRETT ROAD) IN DURHAM COUNTY			O		C	343	C	343					
ORANGE		TO US 15-501 IN ORANGE COUNTY.													
		BICYCLE IMPROVEMENTS. (2.7 MILES)													
CHAPEL HILL	EB-4710	SEAWELL SCHOOL ROAD BICYCLE	2000		STPEB									C 2000	
ORANGE		IMPROVEMENTS, HOMESTEAD ROAD													
		TO ESTES DRIVE (1.9 MILES)													
COUNTYWIDE	EB-3606	BICYCLE ROUTE MAPPING AND	50	50											
ORANGE		SIGNING.													
IN PROGRESS															
DURHAM	EB-2921F	AMERICAN TOBACCO RAIL TRAIL.	2392	2392											
CHATHAM		DURHAM COUNTY LINE TO WAKE													
		COUNTY LINE. CONSTRUCT A													
		MULTI-PURPOSE TRAIL.													
UNDER CONSTRUCTION															

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			FISCAL YEARS													
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						FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS		
BICYCLE AND PEDESTRIAN PROJECTS																
SR 1006	EB-4980	CONSTRUCT PEDESTRIAN BRIDGE														
ORANGE GROVE		OVER I-40.														
ROAD																
ORANGE																
SCHEDULED FOR FEASIBILITY STUDY																
CONGESTION MITIGATION PROJECTS																
NC 54	C-4402	I-40 WEST OF NC 751 TO TRIANGLE	1035		CMAQ	R	100									
DURHAM		DRIVE IN RESEARCH TRIANGLE PARK.			L	R	25									
		CONSTRUCT ON-ROAD BICYCLE FACILITY.			CMAQ			C	364	C	364					
					L			C	91	C	91					
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																
TRIANGLE J	C-4924	TRIANGLE J COUNCIL OF GOVERNMENTS	300	200	CMAQ	N	40	A								
COUNCIL OF		(COG). DEVELOP A FLEXIBLE WORK			L	N	10	A								
GOVERNMENTS		SCHEDULE FOR EMPLOYEES AND			CMAQ	N	40	B								
DURHAM		ORGANIZATIONS IN TRIANGLE OZONE			L	N	10	B								
ORANGE		NON-ATTAINMENT AREA FOR THREE														
WAKE		YEARS.														
IN PROGRESS																
COUNTYWIDE	C-4932A	CONSTRUCT A 125 SPACE PARK AND	275		CMAQ	C	22									
HILLSBOROUGH		RIDE LOT. SECTION A: DURHAM-CHAPEL			L	C	7									
ORANGE		HILL-CARRBORO (DCHC) MPO TO			CMAQ			O	41	O	41					
		PARTICIPATE IN CONSTRUCTION AND			L			O	41	O	41					
		OPERATING ASSISTANCE FOR THREE														
		YEARS FOR A NEW TRANSIT SERVICE.														
DURHAM	C-4928	MORRENE ROAD, NEAL ROAD TO	556		CMAQ			C	222	C	222					
DURHAM		ERWIN ROAD. CONSTRUCT BIKE			L			C	56	C	56					
		LANES AND SIDEWALKS.														
DURHAM	C-4702	TEN (10) - REPLACEMENT BUSES.	3000		CMAQ			A	3000							
DURHAM																
DURHAM	C-4929	BICYCLE PARKING PROGRAM. INSTALL	48	32	CMAQ	C	13									
DURHAM		BIKE RACKS AT VARIOUS LOCATIONS.			L	C	3									
IN PROGRESS																

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	<u>"DELIVERABLE STIP"</u>								<u>"DEVELOPMENTAL STIP"</u>					<u>"UNFUNDED"</u>
						FY 2008	FY 2009	FY 2010								FY 2011	FY 2012	FY 2013	FY 2014
ENHANCEMENT PROJECTS																			
SR 1002 ST. MARY'S ROAD ORANGE	E-4779	ACQUIRE SCENIC CONSERVATION EASEMENTS AT SELECTED LOCATIONS.	194	18	STPE O	A A	141 35												
CARRBORO ORANGE	E-4942	MAIN STREET, CARRBORO POST OFFICE TO NC 54. CONSTRUCT SIDEWALKS.	8	8															
UNDER CONSTRUCTION																			
CARRBORO ORANGE	E-4781	CONSTRUCT A FIVE-FOOT SIDEWALK ALONG PORTIONS OF WESLEY STREET, HARGRAVES STREET, BREWER LANE AND LANDSCAPE.	93	93															
UNDER CONSTRUCTION																			
CARRBORO ORANGE	E-4545	OLD FAYETTEVILLE ROAD, JONES FERRY ROAD TO AUTUMN WOODS APARTMENTS AND CAROLINA SPRING APARTMENTS TO CARRBORO PLAZA PARK AND RIDE LOT. CONSTRUCT SIDEWALK ALONG EAST SIDE.	91	91															
UNDER CONSTRUCTION																			
CARRBORO ORANGE	E-4780	CONSTRUCT A FIVE-FOOT SIDEWALK ON THE NORTH SIDE OF JONES FERRY ROAD AND LANDSCAPE.	23	23															
UNDER CONSTRUCTION																			
CHAPEL HILL ORANGE	E-3807B	LOWER BOOKER CREEK GREENWAY. CONSTRUCT BICYCLE/PEDESTRIAN FACILITIES, CONNECT EXISTING SIDE- WALKS AND IMPROVE LANDSCAPING ADJACENT TO US 15-501 BYPASS (FORDHAM BOULEVARD) AND BOOKER CREEK.	350	350															
UNDER CONSTRUCTION																			
DURHAM DURHAM	E-4924	CLUB BOULEVARD, OVAL DRIVE TO OAKLAND AVENUE AT THE INTERSECTIONS OF WEST CLUB BOULEVARD WITH OVAL DRIVE AND OAKLAND AVENUE. CONSTRUCT A PEDESTRIAN MEDIAN AND A REFUGE ISLAND.	95	95															
UNDER CONSTRUCTION																			
DURHAM DURHAM	E-4529	WEST POINT ON THE ENO PARK TO PENNY'S BEND NATURE RESERVE. CONSTRUCT OFF-ROAD MULTI-USE TRAIL.	569	569															
UNDER CONSTRUCTION																			

* INDICATES INTRASTATE PROJECT

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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			TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAK																				
			TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FISCAL YEARS																		
ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)			FUNDING SOURCE	<u>"DELIVERABLE STIP"</u>				<u>"DEVELOPMENTAL STIP"</u>					<u>"UNFUNDED"</u>								
			FY 2008	FY 2009		FY 2010		FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS										
ENHANCEMENT PROJECTS (LOCAL PROJECTS)																							
VARIOUS	U-4726	DCHC URBAN AREA BICYCLE AND	4460	210	STPDA	C	200		C	200		C	500		C	500		C	500				
CHATHAM		PEDESTRIAN ALLOCATION.			O	C	50		C	50		C	125		C	125		C	125				
DURHAM																							
ORANGE																							
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS - IN PROGRESS																							
CARRBORO	EL-4828	MORGAN CREEK GREENWAY (WEST).	600		STPDA	C	480																
ORANGE		SMITH LEVEL ROAD TO UNIVERSITY LAKE. CONSTRUCT GREENWAY.			O	C	120																
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																							
CARRBORO	EL-4995	DRY CREEK GREENWAY.	700		STPDA	C	560																
CHAPEL HILL					O	C	140																
ORANGE																							
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																							
CARRBORO	EL-4994	BOLIN CREEK GREENWAY.	738		STPDA	C	590																
ORANGE					O	C	148																
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY TOWN																							
CHAPEL HILL	EL-4601	MORGAN CREEK GREENWAY (EAST).	872	72	O	C	160																
ORANGE		US 15-501-CULBETH ROAD TO SMITH LEVEL ROAD. TEN FOOT MULTI-USE ASPHALT PATH INCLUDING ACCESS TO MERRITT PASTURE.			STPDA	C	640																
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																							
CHAPEL HILL	EL-5022	UPPER BOOKER CREEK GREENWAY.	720		STPDA																		
ORANGE					O																		
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																							
DURHAM	EL-4999	BICYCLE AND PEDESTRIAN TRAILS																					
DURHAM		IN DURHAM AND DURHAM COUNTY. ACQUISITION OF RAIL CORRIDORS AND CONSTRUCTION.																					
PROGRAMMED FOR PLANNING AND ENVIRONMENTAL STUDY ONLY - PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																							

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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			FISCAL YEARS														
ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	<u>"DELIVERABLE STIP"</u>				<u>"DEVELOPMENTAL STIP"</u>					<u>"UNFUNDED"</u>		
						FY 2008	FY 2009	FY 2010		FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS		
ENHANCEMENT PROJECTS (LOCAL PROJECTS)																	
DURHAM	EL-2921E	AMERICAN TOBACCO RAIL TRAIL. NC 54	4762		DP				C	246		C	246				
DURHAM		TO CHATHAM COUNTY LINE. CONSTRUCT			HP				C	1118		C	1118				
		A MULTI-PURPOSE TRAIL.			STPDA				C	590		C	590				
					O				C	427		C	427				
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY CITY																	
DURHAM	U-4724	CORNWALLIS ROAD, SOUTH ROXBORO	2270		STPDA				C	1816							
DURHAM		ROAD TO UNIVERSITY DRIVE. BIKE			O				C	454							
		AND PEDESTRIAN FEATURES.															
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																	
HAZARD ELIMINATION PROJECTS																	
I-40	W-5125	EAST OF NC 147.	83		HES				C	83							
DURHAM		INSTALL MEDIAN BARRIER. (0.25 MILE)															
STRATEGIC HIGHWAY CORRIDOR																	
I-540, SR 3097	W-4814	I-540, I-40 EASTWARD TO EAST OF US 1	195	195													
AVIATION PARKWAY		(CAPITAL BOULEVARD) AND SR 3097															
DURHAM		(AVIATION PARKWAY), TERMINAL															
WAKE		BOULEVARD NORTHWARD TO SR 1644															
		(GLOBE ROAD). INSTALL MILLED RUMBLE															
		STRIPS ON THE INSIDE AND OUTSIDE															
		PAVED SHOULDERS.															
UNDER CONSTRUCTION																	
US 501	SF-4905A	SR 1601 (MOORES MILL ROAD)-SR 1468	98	98													
DURHAM		(QUAIL ROOST FARM ROAD). INSTALL															
		TRAFFIC SIGNAL.															
DIVISION PROJECT - UNDER CONSTRUCTION																	
NC 57	SF-4907C	INSTALL CENTER TRAFFIC ISLANDS WITH	166		HES	R	50										
NC 157		STOP SIGNS AND MAKE SIGHT DISTANCE			HES	C	116										
ORANGE		IMPROVEMENTS.															
US 70	SF-4907B	INSTALL RIGHT TURN LANE.	130		HES	R	5										
NC 751					HES	C	125										
ORANGE																	
NC 751	SF-4908I	INTERSECTION WITH SR 1731 (O'KELLY	146		HES	R	6										
CHATHAM		CHURCH ROAD). INSTALL TRAFFIC			HES	C	140										
		SIGNAL AND LEFT TURN LANE.															

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FISCAL YEARS

IN PROGRESS

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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			TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAK											
			FISCAL YEARS											
ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	<u>"DELIVERABLE STIP"</u>			<u>"DEVELOPMENTAL STIP"</u>					<u>"UNFUNDED"</u>
						FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS
PASSENGER RAIL PROJECTS														
CARRBORO ORANGE	Z-4007B	SR 1927 (BREWER ROAD) IN CARRBORO AT NORFOLK SOUTHERN RAILWAY CROSSING 735 179M. SAFETY IMPROVEMENTS.	95	95										
FUNDED - CONSTRUCTION NOT AUTHORIZED														
DURHAM DURHAM	P-3802	STATION CONSTRUCTION.	3000		CMAQ									C 3000
PUBLIC TRANSPORTATION PROJECTS														
TRIANGLE TRANSIT AUTHORITY DURHAM ORANGE WAKE	TA-4818	REPLACEMENT BUSES. 17 - FY 2009 15 - FY 2011 11 - FY 2012	14620		FED		CP 4624		CP 4080	CP 2992				
					L		CP 578		CP 510	CP 374				
					STAT		CP 578		CP 510	CP 374				
UNFUNDED PROJECT														
TRIANGLE TRANSIT AUTHORITY DURHAM ORANGE WAKE	TA-4994	PARATRANSIT FLEET REPLACEMENT.	32		FEDU		CP 26							
					L		CP 3							
					STAT		CP 3							
UNFUNDED PROJECT														
TRIANGLE TRANSIT AUTHORITY DURHAM ORANGE WAKE	TA-4993	PARATRANSIT FLEET EXPANSION.	67		FEDU		CP 53							
					L		CP 7							
					STAT		CP 7							
UNFUNDED PROJECT														
TRIANGLE TRANSIT AUTHORITY DURHAM ORANGE WAKE	TA-4992	VANPOOL FLEET EXPANSION.	890		FEDU		CP 712							
					L		CP 178							
UNFUNDED PROJECT														
TRIANGLE TRANSIT AUTHORITY DURHAM WAKE	TD-4944	I-40 BUS BYPASS SHOULDER PROJECT.	800		FEDU		CP 640							
					L		CP 80							
					STAT		CP 80							
UNFUNDED PROJECT														

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	"DELIVERABLE STIP"						"DEVELOPMENTAL STIP"						"UNFUNDED"								
						FY 2008	FY 2009	FY 2010						FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS							
PUBLIC TRANSPORTATION PROJECTS																										
TRIANGLE TRANSIT AUTHORITY DURHAM ORANGE WAKE	TE-4903	ALTERNATIVES ANALYSIS FOR MAJOR TRANSIT CORRIDOR PROJECT.	2000		L				CP	500		CP	500													
					STAT				CP	500		CP	500													
UNFUNDED PROJECT																										
TRIANGLE TRANSIT AUTHORITY DURHAM ORANGE	TE-4706B	FIXED GUIDEWAY PROJECT FOR US 15-501 PRELIMINARY ENGINEERING AND DESIGN.	2749		FED													CP	1649							
					L													CP	550							
					STAT													CP	550							
UNFUNDED PROJECT																										
CHAPEL HILL ORANGE	C-4931	PROVIDE SHARED FEEDER SERVICE TO AREAS NOT RECEIVING REGULAR BUS SERVICE. CMAQ FUNDS TO BE TRANSFERRED TO FTA.	52	24	CMAQ	O	14																			
					L	O	14																			
UNFUNDED PROJECT																										
CHAPEL HILL ORANGE	C-4930	PURCHASE 1 HYBRID ELECTRIC BUSES. CMAQ FUNDS TO BE TRANSFERRED TO FTA.	588		CMAQ	CP	470																			
					L	CP	118																			
UNFUNDED PROJECT																										
CHAPEL HILL ORANGE	TA-4726	REPLACEMENT BUSES. 12 - FY 2009 8 - FY 2010 16 - FY 2011 6 - FY 2012 17 - FY 2013 10 - FY 2014	26408		FED				CP	3890		CP	2700		CP	5781	CP	2258	CP	4642	CP	2739				
					L				CP	422		CP	288		CP	624	CP	245	CP	503	CP	247				
					STAT				CP	375		CP	256		CP	555	CP	217	CP	447	CP	219				
UNFUNDED PROJECT																										
CHAPEL HILL ORANGE	TA-4979	REPLACEMENT VANS. 7 - FY 2010 4 - FY 2011	377		FED							CP	168		CP	160										
					L							CP	34		CP	15										
UNFUNDED PROJECT																										
CHAPEL HILL ORANGE	TA-4748	REPLACEMENT VANS. 1 - FY 2008 8 - FY 2009 1 - FY 2010 4 - FY 2011 1 - FY 2012 8 - FY 2013	1559		FED	CP	36		CP	288		CP	36		CP	144	CP	37	CP	704						
					L	CP	5		CP	36		CP	5		CP	18	CP	5	CP	88						
					STAT	CP	5		CP	36		CP	5		CP	18	CP	5	CP	88						
UNFUNDED PROJECT																										

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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		FISCAL YEARS																	
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						FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS					
PUBLIC TRANSPORTATION PROJECTS																			
CHAPEL HILL	TA-4995	EXPANSION BUSES.	4131		FEDU														
ORANGE		3 - FY 2013			L														
		3 - FY 2014			STAT														
		3 - FY 2015																	
UNFUNDED PROJECT																			
CHAPEL HILL	TA-4981	SEDANS/WAGONS/4X4 - 2.	60		FED														
ORANGE					L														
UNFUNDED PROJECT																			
CHAPEL HILL	TD-4909	PARK AND RIDE LOT EXPANSION NC 54.	4000		FED														
ORANGE		DESIGN AND LAND ACQUISITION FY 2011			L														
		CONSTRUCTION FY 1012.			STAT														
UNFUNDED PROJECT																			
CHAPEL HILL	TD-4710A	PARK AND RIDE LOT. DESIGN AND	375		FBUS	CP	301												
ORANGE		LAND ACQUISITION - FY 2008.			L	CP	37												
					STAT	CP	37												
UNFUNDED PROJECT																			
CHAPEL HILL	TD-4710B	PARK AND RIDE LOT.	2000		FEDU														
ORANGE		CONSTRUCTION - FY 2009.			L														
					STAT														
UNFUNDED PROJECT																			
CHAPEL HILL	TG-4732	REPLACEMENT SUPPORT VEHICLES.	818		FEDU	CP	34												
ORANGE		2 - FY 2008			L	CP	8												
		2 - FY 2011																	
		3 - FY 2012																	
		15 - FY 2013																	
UNFUNDED PROJECT																			
CHAPEL HILL	TG-4731	PREVENTIVE MAINTENANCE,	13250		FUZ	CP	1669												
ORANGE		ASSOCIATED CAPITAL MAINTENANCE			L	CP	417												
		ITEMS, ROUTINE CAPITAL ITEMS--OFFICE																	
		AND SHOP EQUIPMENT, PASSENGER																	
		AMENITIES, SERVICE VEHICLES, ETC.																	

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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		TYPE OF WORK / ESTIMATED COST IN THOUSANDS / PROJECT BREAK										FISCAL YEARS														
ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	"DELIVERABLE STIP"						"DEVELOPMENTAL STIP"						"UNFUNDED"								
						FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FUTURE YEARS												
PUBLIC TRANSPORTATION PROJECTS																										
COUNTYWISE DURHAM	TJ-4931	PROVIDE OPERATING ASSISTANCE TO COUNTIES AND COMMUNITY TRANSPORTATION SYSTEMS TO MEET WORK FIRST AND EMPLOYMENT TRANSPORTATION NEEDS.	64		OAWF	O	8	O	8	O	8	O	8	O	8	O	8	O	8	O	8	O	8			
COUNTYWISE DURHAM	TL-4931	PROVIDE OPERATING ASSISTANCE FOR ADDITIONAL TRANSPORTATION SERVICES TO THE ELDERLY AND DISABLED.	760		EDTAP	O	95	O	95	O	95	O	95	O	95	O	95	O	95	O	95	O	95			
COUNTYWISE DURHAM	TR-4931	PROVIDE MAINTENANCE ASSISTANCE FOR COMMUNITY TRANSPORTATION SYSTEMS TO SERVE THE RURAL GENERAL PUBLIC.	280		RGP	O	35	O	35	O	35	O	35	O	35	O	35	O	35	O	35	O	35			
DURHAM DURHAM	C-4927	PURCHASE 1 HYBRID ELECTRIC BUS. CMAQ FUNDS TO BE TRANSFERRED TO FTA.	1500	750	CMAQ	CP	587																			
					L	CP	163																			
DURHAM DURHAM	TA-4923	11 - REPLACEMENT BUSES.	3850		FED																					
					L																					
					STAT																					
UNFUNDED PROJECT																										
DURHAM DURHAM	TA-4757	6 - EXPANSION VANS.	226		FED	CP	180																			
					L	CP	23																			
					STAT	CP	23																			
UNFUNDED PROJECT																										
DURHAM DURHAM	TG-4738	PREVENTIVE MAINTENANCE AND ROUTINE CAPITAL ITEMS, SPARE PARTS, OFFICE AND SHOP EQUIPMENT, PASSENGER AMENITIES, SERVICE VEHICLES, ETC.	25107		FUZ	CP	2299	CP	2414	CP	2535	CP	2535	CP	2535	CP	2582	CP	2670	CP	2670	CP	2670			
					L	CP	548	CP	604	CP	634	CP	634	CP	634	CP	646	CP	668	CP	668	CP	668			
DURHAM DURHAM	TG-4958	PASSENGER AMENITIES - SHELTERS, BENCHES, TRASH CANS, SOLAR LIGHTS.	479		FEDU			CP	394																	
					L			CP	85																	
UNFUNDED PROJECT																										

DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION

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ROUTE/CITY COUNTY	ID NUMBER	LOCATION / DESCRIPTION (LENGTH)	TOTAL PROJ COST (THOU)	PRIOR YEARS COST (THOU)	FUNDING SOURCE	<u>"DELIVERABLE STIP"</u>				FISCAL YEARS										<u>"UNFUNDED"</u>				
						FY 2008	FY 2009	FY 2010		FY 2011	FY 2012	FY 2013	FY 2014	FY 2015				FUTURE YEARS						
PUBLIC TRANSPORTATION PROJECTS																								
DURHAM COUNTYWIDE DURHAM	TD-4945	PARK AND RIDE LOT IN NORTHERN DURHAM.	1176		FEDU				CP	940														
					L				CP	118														
					STAT				CP	118														
UNFUNDED PROJECT																								
TRIANGLE TRANSIT AUTHORITY DURHAM ORANGE WAKE	TG-4821	PREVENTIVE MAINTENANCE AND ROUTINE CAPITAL ITEMS - SPARE PARTS, OFFICE AND SHOP EQUIPMENT, PASSENGER AMENTIES, SERVICE VEHICLE, ETC.	8000		FUZ	CP	800		CP	800		CP	800		CP	800		CP	800					
					L	CP	200		CP	200		CP	200		CP	200		CP	200					
UNFUNDED PROJECT																								
TRIANGLE TRANSIT AUTHORITY DURHAM ORANGE WAKE	TP-4732	PLANNING ASSISTANCE---UPWP. TOTAL PROJECT COST SHOWN.	8000		FUZ	PL	800		PL	800		PL	800		PL	800		PL	800					
					L	PL	100		PL	100		PL	100		PL	100		PL	100					
					STAT	PL	100		PL	100		PL	100		PL	100		PL	100					
UNFUNDED PROJECT																								
TRIANGLE TRANSIT AUTHORITY DURHAM ORANGE WAKE	TT-4911	ITS PROJECT - REAL TIME PASSENGER INFORMATION PROJECT.	700		FED							CP	560											
					L							CP	140											
UNFUNDED PROJECT																								

Division 5 One-on-One Meeting FY 2008-2015 Transportation Improvement Program

Agenda

- 1. 2008-2015 TIP Items for Discussion**
 - a. General Funding and Design Issues**
 - b. Major Project Schedules and Funding**
 - c. Project Design**
 - d. Project Study and Project Management Requests**
-

1. 2008-2015 TIP Items for Discussion

The DCHC MPO has reviewed the 2008-2015 Draft STIP and developed the following list of issues for discussion. The MPO is developing the 2008-2015 MTIP which will be approved in late spring 2008.

a. General Funding and Design Issues

1. Need additional funding for transportation

The DCHC MPO has only two new highway or bicycle/pedestrian projects in Division 5 funded in the draft FY 2008-2015 STIP (I-5104 and B-4943, neither of which is in our Regional Priority List) while population and employment continue to grow. It is imperative the NCDOT and the General Assembly work to increase transportation funding for the State's urban areas.

2. Prioritize funding for bicycle, pedestrian, and transit projects

The DCHC MPO strongly supports multi-modal transportation. Many of the MPO's top priorities are bicycle, pedestrian, and transit projects (see Regional Priority List). Many of the traditional funding sources for these projects have disproportionately been the target for rescissions. We understand that recent federal legislation now requires that rescissions be proportionately distributed among funding programs. In addition to the traditional funding sources for these projects, the DCHC MPO would like these projects to receive funds traditionally used for highway projects such as STP funds. Bicycle/pedestrian projects are typically far less costly than highway projects. With so little revenue available for new projects, it would be a good opportunity to use limited resources on more less expensive bicycle/pedestrian projects.

3. All highway projects

NCDOT has changed its approach to highway design from accommodating motor vehicles only to providing for a multi-modal transportation system. However, on roadway projects that include widening and multi-modal facilities, the project

descriptions in the TIP continue to say “widen to multi-lanes” with no mention of multi-modal facilities. The DCHC MPO continues to believe that the TIP would better communicate to the public and to NCDOT departments the actual project scope if the project descriptions said “widen to multi-lanes and include bicycle, pedestrian, and transit facilities” where appropriate.

b. Major Project Schedules and Funding

4. U-0071 (East End Connector)

The DCHC MPO is concerned about the schedule delay and unfunded cost increase for U-0071. The project cost increased from \$99,292,000 in the FY 2007-2013 STIP to \$161,792,000 in the draft FY 2008-2015 STIP. None of the \$62,500,000 cost increase is funded. In addition, the first year for construction was delayed two years from 2012 to 2014. This project is Durham’s highest priority and would greatly improve safety, congestion, and access through Durham. The environmental document for U-0071 is on schedule to be complete in 2008. Public awareness of the project is high due to several well-attended community meetings and the formation of the Ad Hoc Committee. The DCHC MPO requests that construction for this project not be delayed and that it be fully funded in the final STIP.

5. U-3808 (NC 55/Alston Avenue, NC 147 to Holloway St.)

The DCHC MPO is concerned about the design of U-3808. A recommendation is pending Durham City Council action.

6. New Project (Fayetteville Road, Woodcroft Parkway to Riddle Rd.)

A recommendation is pending Durham City Council action.

7. I-5104/R-2000 (I-540/I-40 Interchange Improvements)

The DCHC MPO would like the bottleneck at the ramp from NC 147 south to I-40 east addressed in addition to this project. U-5104, which primarily serves commuters from Wake County to RTP, is the only new highway project funded in Durham County and it is not on the MPO’s Regional Priority List.

8. DATA Buses

DATA has recently had difficulty meeting its peak bus pullout due to mechanical problems with its bus fleet. The draft FY 2008-2015 STIP includes 11 replacement buses for DATA in FY 2011. DATA requests that the replacement schedule be accelerated and the number of replacement buses be increased. DATA requested 12 expansion buses in 2009 and 31 replacement buses in 2012 in the MPO’s Regional Priority List.

9. U-4763B (Triangle Parkway)

The DCHC MPO continues to be concerned about the provision of gap funding for the Triangle Parkway and the design of the project. The Triangle Parkway is not the MPO’s highest priority highway project and thus the MPO objects to any

diversion of funds from any higher priority projects to the Triangle Parkway. The DCHC MPO urges the NCTA and the General Assembly to identify new sources of revenue to fill the funding gap. In addition, the DCHC MPO urges the NCTA to include transit facilities in the design of the project and consider free use of the facility by buses, vanpools, and carpools (3+). Planned and existing bicycle and pedestrian facilities on all Y-lines should be accommodated by the project design. Other local access issues related to the Triangle Parkway have also been raised by citizens.

10. U-4011 (S. Miami Blvd., Methodist St. to Bethesda St.)

The draft STIP incorrectly shows \$2,861,000 in STP-DA funding for this project in FY 2008. The DCHC MPO has only approved the use of \$1,874,000 in STP-DA funding for this project. The DCHC MPO objects to this increase in STP-DA funding that has not been approved by the MPO. The DCHC MPO is in the process of deciding how to allocate its STP-DA funds for FY 2008-2015. Increasing the STP-DA funding for U-4011 is not being considered. STP-DA funding will be approved by the MPO in April 2008 and forwarded to NCDOT for inclusion in the final STIP.

c. Project Design

11. U-3804 (Hillandale Rd., I-85 to Carver St.)

A letter was sent to NCDOT outlining the DCHC MPO's concerns regarding the design of this project in January 2008. The DCHC MPO requests that NCDOT work with the adjoining property and business owners to develop a solution which safely accommodates traffic traveling along Hillandale Road, provides good access to properties in the area, and addresses other concerns that have been raised.

d. Planning Study and Project Management Requests

12. U-4720 (US 70) and U-4721 (Northern Durham Parkway)

With the East End Connector (U-71) included in the draft FY 2008-2015 TIP, it is important to initiate the planning process for the next priority Highway Trust Fund projects in Durham – US 70 and the Northern Durham Parkway. Because the design of one of these Highway Trust Fund projects could affect the design of the other, it is important that the planning process study these two projects together.

13. C-4402 (NC 54 Bicycle Improvements)

NCDOT previously agreed to manage EB-4707 (Old Durham-Chapel Hill Road Bicycle and Pedestrian Improvements) if the City of Durham would agree to manage C-4402. However, the DCHC MPO requests that NCDOT reconsider managing C-4402. NC 54 is a major State route. The MPO and the City of Durham do not have the resources to manage a project of this magnitude on the State system.

14. U-2405 (M. L. King Jr. Parkway and NC 55 Interchange)

With the completion of M. L. King Jr. Parkway from US 15-501 to NC 55, it is appropriate to complete the last link of this important project from NC 55 to Cornwallis Road to serve Research Triangle Park. The TAC would like to consider lower cost alternatives to the \$25.8 million unfunded interchange identified in the draft FY 2008-2015 STIP. The DCHC MPO requests that NCDOT provide information regarding the feasibility study re-evaluation in progress.

15. U-4724 (Cornwallis Rd., S. Roxboro Rd. to Chapel Hill Rd.)

This project is currently funded using the MPO's STP-DA funds. Additional funding may be needed depending on a revised cost estimate.

Division 7 One-on-One Meeting FY 2008-2015 Transportation Improvement Program

Agenda

FY 2008-2015 TIP Items for Discussion

- a. General Funding and Design Issues**
 - b. Project Schedules and Funding**
 - c. Funding for Transit Planning**
-

FY 2008-2015 TIP Items for Discussion

The DCHC MPO has reviewed the FY 2008-2015 Draft STIP and developed the following list of issues for discussion. The MPO is developing the FY 2008-2015 MTIP which will be approved in late spring/early summer 2008.

a. General Funding and Design Issues

1. Need additional funding for transportation

The DCHC MPO is pleased that many of the cost increases on previously funded projects in Division 7 were funded in the draft FY 2008-2015 STIP and that several priority projects were accelerated (U-4704 – Chapel Hill/Carrboro Signal System, U-0624 – NC 86/South Columbia Street). However, the DCHC MPO has no new highway or bicycle/pedestrian projects in Division 7 funded in the draft FY 2008-2015 STIP while population and employment continue to grow. It is imperative the NCDOT and the General Assembly work to increase transportation funding for the State's urban areas.

2. Prioritize funding for bicycle, pedestrian, and transit projects

The DCHC MPO strongly supports multi-modal transportation. Many of the MPO's top priorities are bicycle, pedestrian, and transit projects (see Regional Priority List). In addition, the Town of Chapel Hill recently updated its long range transit plan. This document recommends a significant expansion of service for which additional funding is needed. The DCHC MPO is concerned that many of the traditional funding sources for bicycle, pedestrian, and transit projects have disproportionately been the target for rescissions. In fact, we understand that recent federal legislation now requires that rescissions be proportionately distributed among funding programs. Therefore, the DCHC MPO has two requests to increase the resources for multi-modal projects. First, in addition to the traditional funding sources, the DCHC MPO would like these projects to receive funds traditionally used for highway projects such as STP funds. Second, bicycle/pedestrian projects are typically far less costly than highway projects. Thus, with so little revenue available for new projects, we believe that the limited

resources should be used to fund a greater number of the less expensive bicycle/pedestrian projects.

3. **All highway projects (especially R-2825, U-2803, U-3306, U-2805, U-2909)**
NCDOT has changed its approach to highway design from accommodating motor vehicles only to providing for a multi-modal transportation system. However, on roadway projects that include widening and multi-modal facilities, the project descriptions in the TIP continue to say “widen to multi-lanes” with no mention of multi-modal facilities. The DCHC MPO continues to believe that the TIP would better communicate to the public and to NCDOT departments the actual project scope if the project descriptions said “widen to multi-lanes and include bicycle, pedestrian, and transit facilities” where appropriate.

b. Project Schedules and Funding

4. **FS-0307A (Mason Farm Rd. Relocation)**
Neither the DCHC MPO nor the Town of Chapel Hill requested this project. The Town requests that the project be removed from the FY 2008-2015 TIP. This project should be reviewed by the Town and the DCHC MPO and have more public input before it is programmed in the TIP.
5. **Bolin Creek Greenway (NC 86 to Umstead Park in Chapel Hill)**
The DCHC MPO requests that this project be programmed in the FY 2008-2015 TIP. It is estimated to cost \$1,500,000. This is the Chapel Hill section of the Bolin Creek Greenway. The Carrboro section of the Bolin Creek Greenway is already programmed in the FY 2008-2015 TIP (EL-4994).
6. **I-0305 (I-85 widening)**
The DCHC MPO would like to change the phase descriptions to prioritize the rebuilding of interchanges at NC 86, SR 1009 (Old NC 86), and US 70.
Phase A: Rebuild interchanges at NC 86, SR 1009 (Old NC 86), and US 70.
Phase B: Widening
We also request a status report on the environmental study for this project.
7. **U-3306 (Weaver Dairy Road improvements)**
The DCHC MPO requests that NCDOT fully fund this project with STP funds due to a change in the purpose of the project. A previous version of the Weaver Dairy Road project was focused on increasing capacity. For this previous version, the DCHC MPO had earmarked \$566,000 of STP-DA funds for specific bicycle, pedestrian, and transit enhancements. The current design of the project is less focused on increasing capacity and is now primarily a bicycle, pedestrian, and transit improvement. Since the bicycle, pedestrian, and transit improvements are now the primary purpose of the project, the DCHC MPO’s STP-DA funds should not be needed. The 2007-2013 TIP reflected this with all of the \$10,800,000 for construction funded with STP funds. In the draft FY 2008-2015 STIP, this project is funded with \$10,092,000 of STP, \$566,000 STP-DA, and \$142,000

from the Town of Chapel Hill for construction, but we believe that all of the resources should come from STP funds.

8. B-4218 (Bridge No. 108 over New Hope Creek on SR 1730 Turkey Farm Rd.)

The DCHC MPO and Orange County request that NCDOT proceed with this bridge project with the utmost attention to the environmentally sensitive nature of this location. This reach of New Hope Creek is home to six species listed with the North Carolina Natural Heritage Program, three of which are designated as endangered. In addition, it is adjacent to conservation land in Duke Forest and land owned by the Triangle Land Conservancy. NCDOT has previously responded to concerns of the local jurisdictions and citizens regarding the design of the US 15-501 bridge over New Hope Creek in Durham County based on the uniqueness of the corridor.

9. EB-5021 (Estes Dr., Greensboro St. to Seawell School Rd.)

The FY 2007-2013 STIP programmed \$650,000 for this project. The draft FY 2008-2015 STIP programs \$480,000. The DCHC MPO and the Town of Chapel Hill request that the difference, \$170,000, be reserved for other DCHC MPO projects such as the Bolin Creek Greenway or potential cost overruns on EB-4707 (Old Durham-Chapel Hill Road).

10. U-3100B (Old Fayetteville Rd., NC 54 to Stroud Lane)

The draft FY 2008-2015 STIP programs \$300,000 for right-of-way acquisition in 2012. The DCHC MPO and the Town of Carrboro request that this project be accelerated and that construction be fully funded. This project is ranked high on the DCHC MPO's Regional Priority List and is a top priority for the Town of Carrboro.

c. Funding for Transit Planning

11. Special Transit Advisory Commission (STAC) Recommendations

The Special Transit Advisory Commission (STAC) is a citizens' advisory committee established by the DCHC MPO and the Capital Area MPO to make recommendations concerning major transit investments in the Triangle. The STAC will soon be forwarding its recommendations to the DCHC MPO and the Capital Area MPO so that they may be considered for inclusion in the 2035 Long Range Transportation Plans for the two MPOs. Any major transit investment will require extensive planning and design work. There are two placeholders for alternatives analysis, engineering, and design for major transit investments in the draft FY 2008-2015 TIP (TE-4903 and TE-4706B). The DCHC MPO requests that NCDOT revise these projects as needed for the final FY 2008-2015 TIP based on the forthcoming STAC recommendation. DCHC MPO staff will provide specific details on these revisions in late March.

DCHC - Known schedule/cost/funding changes since draft 09-15 STIP

[illegible]

TYPE OF WORK AND ESTIMATED COST IN THOUSANDS																												
LOCATION	COUNTY	ID NUMBER	DESCRIPTION	LEN. (MI)	TOTAL PROJ COST (THOU)	PRIOR YEAR COST (THOU)	FUND	FISCAL YEARS																				
								FFY08	FFY09	FFY10	FFY11	FFY12	FFY13	FFY14	FFY15	UNFUNDED												
<u>2009-2015 DRAFT TIP (June 2008)</u>																												
DURHAM	DURHAM	C-4928	MORREENE ROAD, NEAL ROAD TO ERWIN ROAD. CONSTRUCT BIKE LANES AND SIDEWALKS.		2116		STPDA						C	1248														
							CMAQ					C	222	C	222													
							C					C	56	C	368													
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																												
DURHAM	DURHAM	C-4928	MORREENE ROAD, NEAL ROAD TO ERWIN ROAD. CONSTRUCT BIKE LANES AND SIDEWALKS.		556		CMAQ					C	222	C	222													
							L					C	56	C	56													
<u>2009-2015 DRAFT TIP (June 2008)</u>																												
NC 54	DURHAM	C-4402	I-40 WEST OF NC 751 TO TRIANGLE DRIVE IN RESEARCH TRIANGLE PARK. CONSTRUCT ON-ROAD BICYCLE FACILITY.		1035		CMAQ					R	100															
							L					R	25															
							CMAQ							C	728													
							L							C	182													
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																												
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																												
NC 54	DURHAM	C-4402	I-40 WEST OF NC 751 TO TRIANGLE DRIVE IN RESEARCH TRIANGLE PARK. CONSTRUCT ON-ROAD BICYCLE FACILITY.		1035		L	R	25																			
							CMAQ	R	100																			
							L					C	91	C	91													
							CMAQ					C	364	C	364													
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																												
<u>2009-2015 DRAFT TIP (June 2008)</u>																												
DURHAM	DURHAM	C-5103	PURCHASE TWO (2) HYBRID ELECTRIC BUSES AND PROVIDE PORTION OF OPERATING ASSISTANCE FOR TWO YEARS.		1686		CMAQ					A	864															
							C					A	216															
							CMAQ					O	238	O	247													
							C					O	59	O	62													
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																												
		C-5103																										
<u>2009-2015 DRAFT TIP (June 2008)</u>																												
DURHAM	DURHAM	EL-2921E	AMERICAN TOBACCO RAIL TRAIL. NC 54 TO CHATHAM COUNTY LINE. CONSTRUCT A MULTI-PURPOSE TRAIL.		4753		DP					R	241		R	241												
							HP					C	1118		C	1118												
							STPDA					C	591		C	590												
							L					C	427		C	427												
PARTS A-D COMPLETE; PLANNING/DESIGN IN PROGRESS; PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY CITY																												
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																												
DURHAM	DURHAM	EL-2921E	AMERICAN TOBACCO RAIL TRAIL. NC 54 TO CHATHAM COUNTY LINE. CONSTRUCT A MULTI-PURPOSE TRAIL.		4762		DP					C	246		C	246												
							HP					C	1118		C	1118												
							STPDA					C	590		C	590												
							O					C	427		C	427												
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY CITY																												

				TYPE OF WORK AND ESTIMATED COST IN THOUSANDS																																		
				LEN. (MI)	TOTAL PROJ COST (THOU)	PRIOR YEAR COST (THOU)	FISCAL YEARS																															
LOCATION	COUNTY	ID NUMBER	DESCRIPTION				FUND	FFY08	FFY09	FFY10	FFY11	FFY12	FFY13	FFY14	FFY15	UNFUNDED																						
<u>2009-2015 DRAFT TIP (June 2008)</u>				TA-4755	EXPANSION BUSES 13 - FY 2009	7020	CMAQ					CP	3024																									
DURHAM	DURHAM						L					CP	702																									
							STAT					CP	702																									
							STPDA					CP	2592																									
<u>2009-2015 DRAFT TIP (Nov 2007)</u>				TA-4755																																		
<u>2009-2015 DRAFT TIP (June 2008)</u>				TA-4923	11 - REPLACEMENT BUSES.	15850	CMAQ					CP	3080																									
DURHAM	DURHAM						FED													CP	9600																	
							L					CP	385								CP	1200																
							STAT					CP	385								CP	1200																
<u>2009-2015 DRAFT TIP (Nov 2007)</u>				UNFUNDED PROJECT - FY 2013																																		
DURHAM	DURHAM	TA-4923	11 - REPLACEMENT BUSES.		3850	FED											CP	3080																				
						L													CP	385																		
						STAT													CP	385																		
<u>2009-2015 DRAFT TIP (Nov 2007)</u>							UNFUNDED PROJECT																															
<u>2009-2015 DRAFT TIP (June 2008)</u>				TG-4958	PASSENGER AMENITIES - SHELTERS, BENCHES, TRASH CANS, SOLAR LIGHTS, SIDEWALKS.	154	L					CP	26																									
DURHAM	DURHAM						STPDA					CP	128																									
<u>2009-2015 DRAFT TIP (Nov 2007)</u>							UNFUNDED PROJECT																															
DURHAM	DURHAM	TG-4958	PASSENGER AMENITIES - SHELTERS, BENCHES, TRASH CANS, SOLAR LIGHTS.					479	FEDU					CP	394																							
				L							CP	85																										
<u>2009-2015 DRAFT TIP (Nov 2007)</u>									UNFUNDED PROJECT																													

						TYPE OF WORK AND ESTIMATED COST IN THOUSANDS																														
LOCATION	COUNTY	ID NUMBER	DESCRIPTION	LEN. (MI)	TOTAL PROJ COST (THOU)	PRIOR YEAR COST (THOU)	FISCAL YEARS																		UNFUNDED											
							FUND	FFY08	FFY09	FFY10	FFY11	FFY12	FFY13	FFY14	FFY15																					
<u>2009-2015 DRAFT TIP (June 2008)</u>																																				
VARIOUS	CHATHAM DURHAM ORANGE	U-4726	DCHC URBAN AREA BICYCLE AND PEDESTRIAN ALLOCATION.		7419	154	STPDA					C	849		C	2716		C	2133		C	47		C	67											
							O					C	212		C	679		C	533		C	12		C	17											
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																																				
VARIOUS	CHATHAM DURHAM ORANGE	U-4726	DCHC URBAN AREA BICYCLE AND PEDESTRIAN ALLOCATION.		4960	500	PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS - IN PROGRESS																													
							STPDA	C	200		C	200		C	500		C	500		C	500		C	500		C	500									
							O	C	50		C	50		C	125		C	125		C	125		C	125		C	125									
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS - IN PROGRESS																																				
<u>2009-2015 DRAFT TIP (June 2008)</u>																																				
DURHAM	DURHAM	U-4724	CORNWALLIS ROAD, SOUTH ROXBORO ROAD TO UNIVERSITY DRIVE. BIKE AND PEDESTRIAN FEATURES.		2270		STPDA							C	1816																					
							O							C	454																					
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																																				
DURHAM	DURHAM	U-4724	CORNWALLIS ROAD, SOUTH ROXBORO ROAD TO UNIVERSITY DRIVE. BIKE AND PEDESTRIAN FEATURES.		2270		PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																													
							STPDA					C	1816																							
							O					C	454																							
PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS																																				
<u>2009-2015 DRAFT TIP (June 2008)</u>																																				
DURHAM	DURHAM	U-3804	SR 1321 (HILLANDALE ROAD), I-85 TO SR 1407 (CARVER STREET). WIDEN TO MULTI-LANES.	0.7	11191	248	STP					R	5614																							
							STP					U	1429																							
							STP							C	1950		C	1950																		
PLANNING/DESIGN IN PROGRESS																																				
DURHAM	DURHAM	U-3804	SR 1321 (HILLANDALE ROAD), I-85 TO SR 1407 (CARVER STREET). WIDEN TO MULTI-LANES.	.7	11439	248	STP	R	5614																											
							STP	U	1429																											
							STP							C	1950		C	1950																		
PLANNING/DESIGN IN PROGRESS																																				
<u>2009-2015 DRAFT TIP (June 2008)</u>																																				
DURHAM	DURHAM	U-3309	SR 2028 (T.W. ALEXANDER DRIVE), SR 1121 (CORNWALLIS ROAD) TO SR 1959 (MIAMI BOULEVARD). WIDEN TO A FOUR LANE DIVIDED FACILITY.	1.7	13961	5061	STP					C	4450	A	C	4450	A																			
							RIGHT-OF-WAY IN PROGRESS																													
DURHAM	DURHAM	U-3309	SR 2028 (T.W. ALEXANDER DRIVE), SR 1121 (CORNWALLIS ROAD) TO SR 1959 (MIAMI BOULEVARD). WIDEN TO A FOUR LANE DIVIDED FACILITY.	1.7	18412	4684	STP	R	500	A																										
							STP	M	44	A																										
							STP					C	4250	A	C	4250	A																			
<u>2009-2015 DRAFT TIP (June 2008)</u>																																				
DURHAM	DURHAM	U-0071	EAST END CONNECTOR, NC 147 (BUCK DEAN FREEWAY) TO NORTH OF NC 98. MULTI-LANE DIVIDED, PART ON NEW LOCATION.	2.5	161792	6391	T							R	6876		R	6876																		
							T							U	2877		U	2877																		
							T												M	2895																
							STP													C	33250															
							T														C	33250		C	33250		C	33250		C	33250					
PLANNING/DESIGN IN PROGRESS																																				
DURHAM	DURHAM	U-0071	EAST END CONNECTOR, NC 147 (BUCK DEAN FREEWAY) TO NORTH OF NC 98. MULTI-LANE DIVIDED, PART ON NEW LOCATION.	2.5	167641	5849	T							R	6876		R	6876																		
							T							U	2877		U	2877																		
							T												M	2895																
							T														C	33250		C	33250		C	66500								
PLANNING/DESIGN IN PROGRESS																																				

				TYPE OF WORK AND ESTIMATED COST IN THOUSANDS																							
				FISCAL YEARS																							
LOCATION	COUNTY	ID NUMBER	DESCRIPTION	LEN. (MI)	TOTAL PROJ COST (THOU)	PRIOR YEAR COST (THOU)	FUND	FFY08	FFY09	FFY10	FFY11	FFY12	FFY13	FFY14	FFY15	UNFUNDED											
<u>2009-2015 DRAFT TIP (June 2008)</u>																											
VARIOUS	CHATHAM	U-4727	DURHAM-CHAPEL HILL-CARRBORO URBAN AREA PLANNING (DCHC) ALLOCATION AND UNIFIED WORK PROGRAM.		16238	7522	STPDA				C	2504	C	945	C	664	C	684	C	704	C	725	C	747			
	DURHAM						O				C	626	C	236	C	166	C	171	C	176	C	181	C	187			
	ORANGE																										
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																											
VARIOUS	CHATHAM	U-4727	DURHAM-CHAPEL HILL-CARRBORO URBAN AREA PLANNING (DCHC) ALLOCATION AND UNIFIED WORK PROGRAM - ONGOING ACTIVITIES.		43018	290	IN PROGRESS																				
	STPDA						C	273	C	273	C	273	C	273	C	273	C	273	C	273	C	273					
	DURHAM						O	C	68	C	68	C	68	C	68	C	68	C	68	C	68	C	68				
	ORANGE						IN PROGRESS																				
<u>2009-2015 DRAFT TIP (June 2008)</u>																											
I-40	DURHAM	W-5125	EAST OF NC 147. INSTALL MEDIAN BARRIER.	0.3	150		HES				C	150															
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																											
I-40	DURHAM	W-5125	EAST OF NC 147. INSTALL MEDIAN BARRIER.	.3	83		HES				C	83															
<u>2009-2015 DRAFT TIP (June 2008)</u>																											
SR 1561	ORANGE	B-4592	ENO RIVER. REPLACE BRIDGE NO. 64		1880	280	NFA				C	1600															
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																											
SR 1561	ORANGE	B-4592	ENO RIVER. REPLACE BRIDGE NO. 64		2005	200	NFA	R	80																		
							NFA				C	1525															
<u>2009-2015 DRAFT TIP (June 2008)</u>																											
US 70 BYPASS	ORANGE	B-4962	ENO RIVER. REPLACE BRIDGE NO. 46		6200		FA													R	500						
							FA															C	2850		C	2850	
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																											
US 70 BYPASS	ORANGE	B-4962	ENO RIVER. REPLACE BRIDGE NO. 46		3300		FA												R	300							
							FA																	C	3000		
<u>2009-2015 DRAFT TIP (June 2008)</u>																											
CHAPEL HILL	DURHAM	C-5104	PURCHASE TWO (2) HYBRID ELECTRIC BUSES AND PROVIDE PORTION OF OPERATING EXPENSE FOR THREE YEARS.		2052		CMAQ				A	1360															
	ORANGE						C				A	340															
							CMAQ				O	91	O	94	O	97											
							C				O	23	O	23	O	24											
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																											
		C-5104																									

TYPE OF WORK AND ESTIMATED COST IN THOUSANDS																FISCAL YEARS													
LOCATION	COUNTY	ID NUMBER	DESCRIPTION	LEN. (MI)	TOTAL PROJ COST (THOU)	PRIOR YEAR COST (THOU)	FUND	FFY08	FFY09	FFY10	FFY11	FFY12	FFY13	FFY14	FFY15	UNFUNDED													
<u>2009-2015 DRAFT TIP (June 2008)</u>																													
CHAPEL HILL	ORANGE	EL-5022	UPPER BOOKER CREEK GREENWAY.		720		STPDA										C	576											
							O										C	144											
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS													
CHAPEL HILL	ORANGE	EL-5022	UPPER BOOKER CREEK GREENWAY.		720		STPDA					C	576																
							O					C	144																
																PLANNING, DESIGN, RIGHT OF WAY AND CONSTRUCTION BY OTHERS													
<u>2009-2015 DRAFT TIP (June 2008)</u>																													
I-40	ORANGE	I-4716	I-85 TO DURHAM COUNTY LINE. GRIND AND RESEAL JOINTS.	11.0	1725	225	IMPM				C	1500																	
							DIVISION PROJECT - PLANNING/DESIGN IN PROGRESS																						
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																													
I-40	ORANGE	I-4716	I-85 TO DURHAM COUNTY LINE. GRIND AND RESEAL JOINTS.	11.0	1725		IMPM	C	1500																				
							DIVISION PROJECT - PLANNING/DESIGN IN PROGRESS																						
<u>2009-2015 DRAFT TIP (June 2008)</u>																													
I-85	ORANGE	I-0305	I-40 AT HILLSBOROUGH TO DURHAM COUNTY LINE. WIDEN TO SIX LANES AND RECONSTRUCT INTERCHANGES AND STRUCTURES.	7.5	212582	1800	NHS																			R	30400	A	
							NHS																			U	1225	A	
							NHS																			R	19700	B	
							NHS																			U	560	B	
							NHS																			M	538		
							IM																			M	359		
							IM																			C	158000		
							PLANNING/DESIGN IN PROGRESS																						
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																													
I-85	ORANGE	I-0305	I-40 AT HILLSBOROUGH TO DURHAM COUNTY LINE. WIDEN TO SIX LANES AND RECONSTRUCT INTERCHANGES AND STRUCTURES.	7.5	163707	1800	NHS							R	250	B										R	960	A	
							NHS																						
							NHS																				M	538	
							IM																				M	359	
							IM																				C	158000	
							PLANNING/DESIGN IN PROGRESS																						

				TYPE OF WORK AND ESTIMATED COST IN THOUSANDS																										
LOCATION	COUNTY	ID NUMBER	DESCRIPTION	LEN. (MI)	TOTAL PROJ COST (THOU)	PRIOR YEAR COST (THOU)	FISCAL YEARS																							
							FUND	FFY08	FFY09	FFY10	FFY11	FFY12	FFY13	FFY14	FFY15	UNFUNDED														
<u>2009-2015 DRAFT TIP (June 2008)</u>																														
CHAPEL HILL	ORANGE	TA-4981	SEDANS/WAGONS/4X4 - 3 - FY 2010 3 - FY 2014		234		FED						CP	88								CP	99							
							L						CP	22								CP	25							
UNFUNDED PROJECT																														
CHAPEL HILL	ORANGE	TA-4981	SEDANS/WAGONS/4X4 - 2.		60		FED						CP	48																
							L						CP	12																
UNFUNDED PROJECT																														
<u>2009-2015 DRAFT TIP (June 2008)</u>																														
CHAPEL HILL	ORANGE	TA-4979	REPLACEMENT VANS. 6 - FY 2010 4 - FY 2011 6 - FY 2014		1685		FED						CP	563		CP	160						CP	634						
							L						CP	70		CP	15						CP	79						
							STAT						CP	70		CP	15						CP	79						
UNFUNDED PROJECT																														
CHAPEL HILL	ORANGE	TA-4979	REPLACEMENT VANS. 7 - FY 2010 4 - FY 2011		377		FED						CP	168		CP	160													
							L						CP	34		CP	15													
UNFUNDED PROJECT																														
<u>2009-2015 DRAFT TIP (June 2008)</u>																														
CHAPEL HILL	ORANGE	TA-4995	EXPANSION BUSES. 3 - FY 2010 (HYBRIDS) 3 - FY 2011 3 - FY 2012 (2 HYBRIDS) 3 - FY 2013 (2 HYBRIDS) 3 - FY 2014 (2 HYBRIDS) 3 - FY 2015 (2 HYBRIDS)		9188		FEDU						CP	1394		CP	900		CP	1295		CP	1233		CP	1374		CP	1414	
							L						CP	151		CP	98		CP	140		CP	145		CP	149		CP	153	
							STAT						CP	134		CP	87		CP	125		CP	128		CP	132		CP	136	
UNFUNDED PROJECT																														
CHAPEL HILL	ORANGE	TA-4995	EXPANSION BUSES. 3 - FY 2013 3 - FY 2014 3 - FY 2015		4131		FEDU														CP	1201		CP	1147		CP	1147		
							L														CP	130		CP	103		CP	103		
							STAT														CP	116		CP	92		CP	92		
UNFUNDED PROJECT																														
<u>2009-2015 DRAFT TIP (June 2008)</u>																														
CHAPEL HILL	ORANGE	TA-4748	REPLACEMENT VANS. 9 - FY 2009 6 - FY 2010 9 - FY 2013 6 - FY 2014		3548		FED					CP	320		CP	563						CP	923		CP	634				
							L					CP	90		CP	70						CP	115		CP	79				
							STAT					CP	90		CP	70						CP	115		CP	79				
							STPDA					CP	400																	
UNFUNDED PROJECT																														
CHAPEL HILL	ORANGE	TA-4748	REPLACEMENT VANS. 1 - FY 2008 8 - FY 2009 1 - FY 2010 4 - FY 2011 1 - FY 2012 8 - FY 2013		1559		FED	CP	36		CP	288		CP	36		CP	144		CP	37		CP	704						
							L	CP	5		CP	36		CP	5		CP	18		CP	5		CP	88						
							STAT	CP	5		CP	36		CP	5		CP	18		CP	5		CP	88						
UNFUNDED PROJECT																														
<u>2009-2015 DRAFT TIP (June 2008)</u>																														
CHAPEL HILL	ORANGE	TA-4726	REPLACEMENT BUSES. 11 - FY 2009 26 - FY 2010 13 - FY 2011 17 - FY 2013 10 - FY 2014		31495		FED					CP	4130		CP	7190		CP	3897				CP	5406		CP	3275			
							L					CP	448		CP	1023		CP	423				CP	586		CP	355			
							STAT					CP	398		CP	909		CP	376				CP	521		CP	316			
							STPDA					CP	2242																	
UNFUNDED PROJECT																														
CHAPEL HILL	ORANGE	TA-4726	REPLACEMENT BUSES. 12 - FY 2009 8 - FY 2010		26408		FED					CP	3890		CP	2700		CP	5781		CP	2258		CP	4642		CP	2739		
							L					CP	422		CP	288		CP	624		CP	245		CP	503		CP	247		
							STAT					CP	375		CP	256		CP	555		CP	217		CP	447		CP	219		

[illegible][illegible]

										TYPE OF WORK AND ESTIMATED COST IN THOUSANDS																								
		ID NUMBER	DESCRIPTION	LEN. (MI)	TOTAL PROJ COST (THOU)	PRIOR YEAR COST (THOU)	FISCAL YEARS																											
LOCATION	COUNTY						FUND	FFY08	FFY09	FFY10	FFY11	FFY12	FFY13	FFY14	FFY15	UNFUNDED																		
<u>2009-2015 DRAFT TIP (June 2008)</u>																																		
CHAPEL HILL	ORANGE	TM-5123	JOB ACCESS / REVERSE COMMUTE OPERATING COST		1382		JARC				O	85		O	89		O	94		O	98		O	103		O	108		O	114				
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																																		
<u>2009-2015 DRAFT TIP (June 2008)</u>																																		
CHAPEL HILL	ORANGE	TM-5129	NEW FREEDOM OPERATING COST.		816		FNF				O	50		O	53		O	55		O	58		O	61		O	64		O	67				
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																																		
<u>2009-2015 DRAFT TIP (June 2008)</u>																																		
CHAPEL HILL	ORANGE	U-3306	SR 1733 (WEAVER DAIRY ROAD), NC 86 TO SR 1734 (ERWIN ROAD). CORRIDOR UPGRADE, PART ON NEW LOCATION.	2.8	15995	4925	STP					M	270																					
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																																		
CHAPEL HILL	ORANGE	U-3306	SR 1733 (WEAVER DAIRY ROAD), NC 86 TO SR 1734 (ERWIN ROAD). CORRIDOR UPGRADE, PART ON NEW LOCATION.	2.8	16416	450	STP					M	241																					

			TYPE OF WORK AND ESTIMATED COST IN THOUSANDS															TCC 5/28/08 Attachment 7D															
LOCATION	COUNTY	ID NUMBER	DESCRIPTION	LEN. (MI)	TOTAL PROJ COST (THOU)	PRIOR YEAR COST (THOU)	FISCAL YEARS															UNFUNDED											
							FUND	FFY08	FFY09	FFY10	FFY11	FFY12	FFY13	FFY14	FFY15																		
<u>2009-2015 DRAFT TIP (June 2008)</u>																																	
I-540	DURHAM	R-2000	NORTHERN WAKE FREEWAY, NC 55 WEST OF MORRISVILLE TO US 64 EAST NEAR KNIGHTDALE. FREEWAY ON NEW LOCATION.	29.0	762550	757620	IM				R	100	AF																				
NC 540	WAKE						IM				U	30	AF																				
							IM							C	4800	AF																	
<u>2009-2015 DRAFT TIP (Nov 2007)</u>																																	
I-540	DURHAM	R-2000	NORTHERN WAKE FREEWAY, NC 55 WEST OF MORRISVILLE TO US 64 EAST NEAR KNIGHTDALE. FREEWAY ON NEW LOCATION.	29.0	1475882	718882																											
NC 540	WAKE																																

DRAFT

Conformity Determination Report

2009–2015 Transportation Improvement Program

- **Capital Area Metropolitan Planning Organization**
- **Durham-Chapel Hill-Carrboro Metropolitan Planning Organization**
- **Burlington-Graham Metropolitan Planning Organization**
(for the portion of Orange County within the Burlington Graham MPO)
- **North Carolina Department of Transportation**
(for the portions of the Triangle Ozone Maintenance Area in Chatham, Franklin, Granville, Johnston, Orange and Person Counties outside of MPO boundaries)

February 19, 2008

Digital versions of this report and its appendices are available at:
<http://www.triangleair.org/topics.htm#transconf>

This report was coordinated by the Triangle J Council of Governments for the North Carolina Department of Transportation, the Capital Area Metropolitan Planning Organization, the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization and the Burlington Graham Metropolitan Planning Organization, in cooperation with the Kerr-Tar Rural Planning Organization, the Triangle Area Rural Planning Organization and the Upper Coastal Plain Rural Planning Organization.

1.0 Introduction

The purpose of this report is to document compliance with the provisions of the Clean Air Act Amendments of 1990 (CAAA) and the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) of 2005. The conformity determination for the 2009–2015 Transportation Improvement Program (TIP) is based on a regional emissions analysis that utilized the transportation networks in adopted and conforming 2030 Long Range Transportation Plans (LRTPs) and the emissions factors developed by the North Carolina Department of Environment and Natural Resources (NCDENR). All regionally significant federally funded projects in areas designated by the United States Environmental Protection Agency (USEPA) as air quality nonattainment or maintenance areas must come from a conforming LRTP and TIP.

MPOs and the NCDOT are required by 23 CFR 134 and 40 CFR Parts 51 and 93 to make a conformity determination on any newly adopted or amended fiscally-constrained long range transportation plans and TIPs. Appendix A contains relevant portions of 40 CFR part 93. The intent of this report is to document the conformity determinations for the 2009–2015 TIPs for the Capital Area MPO, the Durham-Chapel Hill-Carrboro MPO, the Burlington Graham MPO, and the rural portions of the Triangle Ozone Maintenance Area that are the responsibility of the North Carolina Department of Transportation (NCDOT). In addition, the United States Department of Transportation (USDOT), specifically, the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA), must make a conformity determination on the LRTPs and TIPs in all non-attainment and maintenance areas. The Research Triangle Region is a maintenance area for ozone.

Conformity Determinations for the amended 2030 Long Range Transportation Plans in the Triangle Ozone Maintenance Area were most recently approved as follows:

- Burlington Graham MPO: April 12, 2005
- Capital Area MPO: May 16, 2007
- Durham-Chapel Hill-Carrboro MPO: May 9, 2007
- The NCDOT (for the rural portions of Chatham and Orange Counties in the Triangle Ozone Maintenance Area): June 7, 2007
- The NCDOT (for Franklin, Granville, Johnston and Person Counties): June 1, 2007

By these actions, the MPOs and NCDOT demonstrated that the amended 2030 Long Range Transportation Plans are consistent with Section 176(c) of the Clean Air Act, the State Implementation Plan, the Transportation Equity Act for the 21st Century, and 40 CFR Parts 51 and 93. These conformity demonstrations were documented by the MPOs and NCDOT in the report entitled *Conformity Analysis and Determination Report*. That report included the regional emissions test comparison prepared for the 2030 Long Range Transportation Plans demonstrating that emissions in each of the analysis years of the long range plan (2002, 2005, 2007, 2009, 2010, 2012, 2020 and 2030) are less than or equal to, the motor vehicle emissions budget established by the State Implementation Plan (or base year emissions, in areas where no State Implementation Plan was approved or found adequate by EPA) in accordance with 40 CFR Part 93) and approved by USEPA for the corresponding year.

USDOT made its conformity determination on the amended 2030 Long Range Transportation Plans listed above on June 29, 2007. A copy of the letter approving the conformity determinations is

included in Appendix B.

The TIP for Fiscal Years 2009-2015 developed by the Burlington Graham MPO and adopted by the TAC on _____, 2008 is a subset of the conforming 2030 LRTP documented in this report.

The TIP for Fiscal Years 2009-2015 developed by the Capital Area MPO and adopted by the TAC on _____, 2008 is a subset of the conforming 2030 LRTP documented in this report.

The TIP for Fiscal Years 2009-2015 developed by the Durham-Chapel Hill-Carrboro MPO and adopted by the TAC on _____, 2008 is a subset of the conforming 2030 LRTP documented in this report.

The rural (donut area) county projects from the STIP for Fiscal Years 2009-2015 developed by the NCDOT and adopted by the Board of Transportation on _____, 2008, are consistent with the rural (donut area) projects from the 2007-2013 STIP (for the donut area counties of Chatham, Franklin, Granville, Johnston, Orange and Person) that were modeled and found to conform by the USDOT on June 29, 2007.

2.0 Relationship of the LRTP and TIP

In accordance with 40 CFR Parts 51 and 93, no further regional emissions analysis is required for the Transportation Improvement Program if the TIP is a subset of the LRTP and if the following conditions are met:

- The TIP is consistent with the conforming LRTP such that the regional emissions analysis performed on the LRTP applies to the TIP;
- The TIP contains all projects which must be started in the TIP's timeframe to implement the highway and transit system envisioned by the LRTP in each of its horizon years;
- All federally funded TIP projects which are regionally significant are part of the specific highway or transit system envisioned in the LRTP horizon years; and
- The design concept and scope of each regionally significant project identified in the TIP is not significantly different from that described in the LRTP.

This report documents that the Transportation Improvement Programs for Fiscal Years 2009-2015 are subsets of the 2030 LRTPs for the Capital Area MPO, the Durham-Chapel Hill-Carrboro MPO, the Burlington Graham MPO, and the rural portions of the Triangle Ozone Maintenance Area that are the responsibility of the North Carolina Department of Transportation (NCDOT). The 2030 LRTPs for each of these areas are fiscally constrained and are consistent with 23 CFR Part 450 Subpart C. These conformity determinations are based on the most recent estimates of the emissions and the most recent planning assumptions (including population, employment, travel and congestion estimates available) as determined by the appropriate MPOs and NCDOT. It has been demonstrated in the Conformity Determination Report that the LRTPs conform to the provisions of the Clean Air Act Amendments of 1990 and the Transportation Equity Act (TEA 21) approved by the USDOT on June 29, 2007. Also, these LRTPs conform to the purpose of the State Implementation Plan (SIP in

accordance with 40 CFR Part 93. Although as subsets of LRTPs, no further regional emissions analysis (emissions budget comparison) is typically required for TIPs, new emissions budgets for NO_x were published on December 26, 2007; therefore comparisons to these new budgets are provided below. All areas for all years conform to the new budgets.

Chatham County

Analysis Year	Model	Off-Model	Comparison Amount	Budget Amount	
2002	1,783	0			
2008	1,387	0	1,387	1,565	OK
2010	1,255	0	1,255	1,565	OK
2017	799	0	799	948	OK
2020	603	0	603	948	OK
2030	448	0	448	948	OK

Durham County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Off-Model (reduction)	Comparison Amount	Budget Amount	
2002	18,938	73			
2007	13,081	72	13,009		
2008	11,913	72	11,841	13,106	OK
2009	10,744	71	10,673	13,106	OK
2010	9,470	71	9,399	13,106	OK
2012	7,439	64	7,375	13,106	OK
2015	5,097	53	5,045	13,106	OK
2017	4,371	45	4,326	4,960	OK
2020	3,282	34	3,248	4,960	OK
2030	2,750	34	2,716	4,960	OK

Franklin County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Rural portion	Total County	Budget Amount	
2002	619	2,524	3,143		
2008	455	1,578	2,033	2,048	OK
2010	400	1,263	1,663	2,048	OK
2017	271	755	1,026	1,139	OK
2020	216	538	754	1,139	OK
2030	178	359	537	1,139	OK

Johnston County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Rural portion	Comparison Amount	Budget Amount	
2002		12,534			
2008		10,658	10,658	12,583	
2010		10,032	10,032	12,583	OK
2017		5,724	5,724	5,958	OK
2020		3,877	3,877	5,958	OK
2030		2,347	2,347	5,958	OK

Granville County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Rural portion	Comparison Amount	Budget Amount	
2002	207	4,414			
2008	138	2,472	2,610	4,649	
2010	115	1,825	1,940	4,649	OK
2017	70	925	995	1,714	OK
2020	51	539	590	1,714	OK
2030	47	383	430	1,714	OK

Orange County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Off-Model	Comparison Amount	Budget Amount	
2002	14,391	0			
2008	8,967	0	8,967	9,933	OK
2010	7,159	0	7,159	9,933	OK
2017	3,578	0	3,578	3,742	OK
2020	2,043	0	2,043	3,742	OK
2030	1,382	0	1,382	3,742	OK

Person County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Rural portion	Comparison Amount	Budget Amount	
2002		1,837			
2008		1,283	1,283	1,359	
2010		1,099	1,099	1,359	OK
2017		746	746	791	OK
2020		594	594	791	OK
2030		474	474	791	OK

Wake County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Off-Model (reduction)	Comparison Amount	Budget Amount	
2002	81,638	284			
2007	36,429	212	36,218		
2008	33,415	209	33,206	36,615	OK
2009	30,400	206	30,194	36,615	OK
2010	26,739	168	26,571	36,615	OK
2012	21,850	197	21,653	36,615	OK
2015	15,216	240	14,977	36,615	OK
2017	13,263	268	12,995	16,352	OK
2020	10,334	311	10,023	16,352	OK
2030	9,419	276	9,143	16,352	OK

The Burlington Graham MPO Transportation Advisory Committee (TAC), as the decision making body of the Burlington Graham MPO, finds that the FY 2009-15 TIP is a subset of the 2030 LRTP for the Burlington Graham MPO, meets these conditions, and thus conforms to the purpose of the SIP (or base year emissions, in areas where no State Implementation Plan is approved or found adequate by EPA) in accordance with 40 CFR Part 93).

The Capital Area MPO Transportation Advisory Committee (TAC), as the decision making body of the Capital Area MPO, finds that the FY 2009-15 TIP is a subset of the 2030 LRTP for the Capital Area MPO, meets these conditions, and thus conforms to the purpose of the SIP in accordance with 40 CFR Part 93).

The Durham-Chapel Hill-Carrboro MPO Transportation Advisory Committee (TAC), as the decision making body of the Durham-Chapel Hill-Carrboro MPO, finds that the FY 2009-15 TIP is a subset of the 2030 LRTP for the Durham-Chapel Hill-Carrboro MPO, meets these conditions, and thus conforms to the purpose of the SIP in accordance with 40 CFR Part 93.

The North Carolina Department of Transportation, as the decision making body for STIP projects within the Triangle Area Ozone Maintenance Area that are outside of MPO boundaries, finds that rural (donut area) county projects from the FY 2009-15 STIP are consistent with the rural (donut area) projects from the FY 2007-2013 STIP (for the donut area counties of Chatham, Franklin, Granville, Johnston, Orange and Person) that were modeled and found to conform by the USDOT on June 29, 2007.

A copy of 2009-2015 TIP projects is attached to this report (Appendix C).

3.0 Latest Planning Assumptions

The planning assumptions used to develop the Conformity Determination Report are the latest planning assumptions approved by the respective MPOs and NCDOT. Estimates of future population and employment are less than five years old. The vehicle age distribution and fleet mix distributions used as input to the emission model were based on the current data from North Carolina Division of Motor Vehicles. This data is also less than five years old.

4.0 Interagency Consultation

The 2009-15 TIPs have undergone interagency consultation as required in the North Carolina Administrative Code Title 15A Subpart 2D 2002-2003 inclusive. An interagency consultation meeting involving the MPOs, NCDOT, NCDENR, FHWA and USEPA- Region 4 was held on November 29, 2007. A summary of issues raised and responses, along with any written agency comments, are provided in Appendix D. In addition, Conformity Technical Meetings were held on December 14, 2007 and February 15, 2008 and were attended by staff of FHWA, NCDENR, NCDOT, MPO and RPO partners to discuss 2009-15 TIP conformity requirements and timelines.

5.0 Public Involvement

The 2009-15 TIPs were reviewed by the public in accordance with the Public Involvement Policies of

the Capital Area MPO, the Durham-Chapel Hill-Carrboro MPO, the Burlington Graham MPO and the North Carolina Department of Transportation (NCDOT). This report was also made available for public review by the Kerr-Tar Rural Planning Organization, Triangle Area Rural Planning Organization and Upper Coastal Plain Rural Planning Organization. Copies of citizen comments and agency responses to them are attached to this report in Appendix E.

6.0 Findings of Conformity

6.1. The Burlington Graham MPO TAC, as the decision making body of the Burlington Graham MPO, finds that the FY 2009-15 TIP is a subset of the 2030 LRTP for the Burlington Graham MPO Metropolitan Area. The TIP meets the conditions described earlier in this document and thus conforms to the intent of the Clean Air Act and the requirements of 40 CFR §93.

6.2. The Durham-Chapel Hill-Carrboro MPO TAC, as the decision making body of the Durham-Chapel Hill-Carrboro MPO, finds that the FY 2009-15 TIP is a subset of the 2030 LRTP for the Durham-Chapel Hill-Carrboro MPO Metropolitan Area. The TIP meets the conditions described earlier in this document and thus conforms to the intent of the Clean Air Act and the requirements of 40 CFR §93.

6.3. The Capital Area MPO TAC, as the decision making body of the Capital Area MPO, finds that the FY 2009-15 TIP is a subset of the 2030 LRTP for the Capital Area MPO Metropolitan Area. The TIP meets the conditions described earlier in this document and thus conforms to the intent of the Clean Air Act and the requirements of 40 CFR §93.

6.4. The North Carolina Department of Transportation, as the decision making body for STIP projects within the Triangle Area Ozone Maintenance Area that are outside of MPO boundaries, finds that rural (donut area) county projects from the FY 2009-15 STIP are consistent with the rural (donut area) projects from the FY 2007-2013 STIP (for the donut area counties of Chatham, Franklin, Granville, Johnston, Orange and Person) that were modeled and found to conform by the USDOT on June 29, 2007, in accordance with 40 CFR Part 93.

Copies of adopting and endorsing resolutions and conformity findings for 2009-15 TIP projects are attached in Appendix F.

Appendix A: Air Quality Regulations

40 CFR 93.122(g)

(g) Reliance on previous regional emissions analysis.

(1) Conformity determinations for a new transportation plan and/or TIP may be demonstrated to satisfy the requirements of §§93.118 (“Motor vehicle emissions budget”) or 93.119 (“Interim emissions in areas without motor vehicle emissions budgets”) without new regional emissions analysis if the previous regional emissions analysis also applies to the new plan and/or TIP. This requires a demonstration that:

(i) The new plan and/or TIP contain all projects which must be started in the plan and TIP’s timeframes in order to achieve the highway and transit system envisioned by the transportation plan;

(ii) All plan and TIP projects which are regionally significant are included in the transportation plan with design concept and scope adequate to determine their contribution to the transportation plan’s and/or TIP’s regional emissions at the time of the previous conformity determination;

(iii) The design concept and scope of each regionally significant project in the new plan and/or TIP are not significantly different from that described in the previous transportation plan; and

(iv) The previous regional emissions analysis is consistent with the requirements of §§93.118 (including that conformity to all currently applicable budgets is demonstrated) and/or 93.119, as applicable.

(2) A project which is not from a conforming transportation plan and a conforming TIP may be demonstrated to satisfy the requirements of §93.118 or §93.119 without additional regional emissions analysis if allocating funds to the project will not delay the implementation of projects in the transportation plan or TIP which are necessary to achieve the highway and transit system envisioned by the transportation plan, the previous regional emissions analysis is still consistent with the requirements of §93.118 (including that conformity to all currently applicable budgets is demonstrated) and/or §93.119, as applicable, and if the project is either:

(i) Not regionally significant; or

(ii) Included in the conforming transportation plan (even if it is not specifically included in the latest conforming TIP) with design concept and scope adequate to determine its contribution to the transportation plan’s regional emissions at the time of the transportation plan’s conformity determination, and the design concept and scope of the project is not significantly different from that described in the transportation plan.

(3) A conformity determination that relies on paragraph (g) of this section does not satisfy the frequency requirements of §93.104(b) or (c).

Appendix B: Federal Conformity Finding on Long Range Transportation Plans

The accompanying pages include the conformity finding on the amended 2030 LRTPs from FHWA. For digital versions of this document, the following pdf file contains the conformity letter:

Fhwaletter2007

Appendix C: 2009-2015 Transportation Improvement Program Projects

In printed versions of this report, the accompanying pages include project listings, by MPO, RPO or County. For digital versions of this document, the following pdf files contain the project lists:

C1 Durham-Chapel Hill-Carrboro MPO

C2 Capital Area MPO

C3 Triangle Area RPO (Chatham and Orange Counties)

C4 Kerr Tar RPO (Franklin, Granville and Person Counties)

C5 Johnston County

C6 Burlington-Graham MPO (no projects that add capacity in the Orange County section of the MPO)

For the draft version of this document, pdf files are available for the DCHC MPO (Appendix C1) and the Capital Area MPO (Appendix C2). There are no 2009-15 projects in the portion of Orange County within the Burlington-Graham MPO, although the MPO project list is included for reference.

Project listings for areas of counties outside of MPO boundaries are found in the RPO or Division summaries of the draft STIP: Kerr-Tar RPO for Franklin, Granville and Person Counties, Division 4 for Johnston County and TARPO for Chatham and Orange Counties.

Appendix D: Comments from Interagency Consultation meeting

TRIANGLE MAINTENANCE AREA

2009 – 2015 TIP REVIEW INTERAGENCY CONSULTATION MEETING NOVEMBER 29, 2007 NCDOT Boardroom

12/4/07 version

Meeting Attendees:

- ❑ EPA: Amanetta Wood
- ❑ FHWA: Bill Marley, Loretta Barren, Eddie Dancausse Jill Stark
- ❑ NCDOT: Dan Thomas, Terry Arellano, Rockne Bryant, Mike Stanley, Atefe Northcutt, Michael Abuya, Linda Dosse, Mike Orr, Andy Bailey, Rick Lakata, Julie Bollinger, Van Argabright, Hemal Shah, Scott Walston, Julie Bollinger, Jonathan Parker, Shannon Ransom, Linh Nguyen, Sarah Smith, Ray McIntyre
- ❑ NCDAQ: Heather Hildebrandt
- ❑ Winston Salem MPO: Wendy Miller (via phone), Greg Errett (via phone) Fred Haith (via phone)
- ❑ High Point MPO: David Hyder
- ❑ Greensboro MPO: Lydia McIntyre (via phone)
- ❑ Burlington Graham MPO: Mike Nunn (via phone)
- ❑ CAMPO: Kenneth Withrow
- ❑ DCHC MPO: Ellen Beckman, Andy Henry (via phone)
- ❑ MUMPO: Bob Cook, Bob Cook (via phone), Tim Gibbs (via phone), Andy Grzymski (via phone), Joe McLelland (via phone), Barry Mosley (via phone)
- ❑ Gaston MPO: Hank Graham (via phone)
- ❑ Cabarrus Rowan MPO: Phil Conrad (via phone)
- ❑ Hickory MPO: John Tippet (via phone)
- ❑ Rocky Mount MPO: Bob League
- ❑ FCEAD: Carey Gentry (via phone)
- ❑ TJCOG: John Hodges-Copple
- ❑ Rocky River RPO: Dana Stoogenke (via phone)
- ❑ Lake Norman RPO: Rebecca Yarbrough (via phone)

FHWA Review Comments:

TRIANGLE AREA

DCHC

- ❑ **R-2000** (*Durham County STIP*) mileage in STIP is 29 and in LRTP is 0.69. Please explain.
 - The R-2000 mileage in the STIP (29 miles) is for the entire length of the project, while the mileage in the Amended 2030 LRTP (.0.69) is for the portion of the R-2000 project that is in the DCHC MPO planning area (i.e., Durham County).

BG MPO

- ❑ No comments

CAMPO

- ❑ **R-2814** (*Franklin County STIP*) mileage in STIP is 18.5 and in LRTP is 8.29. Please explain.
 - The 8.29 miles represents projects in the 2030 LRTP (From Ligon Mill Road to Franklin County) that were within the Capital Area MPO jurisdiction at that time. Franklin County at the time of the 2030 LRTP completion was not a member of the Capital Area MPO
- ❑ **I-4745** (*Johnston County STIP*) not in LRTP. Please explain.
 - Johnston County was not a member of the Capital Area MPO at the time of completion of the 2030 LRTP.
- ❑ **U-3334** (*Johnston County STIP*) not in LRTP. Please explain.
 - Johnston County was not a member of the Capital Area MPO at the time of completion of the 2030 LRTP.
- ❑ **R-2000** (*Wake County STIP*) mileage in STIP is 29 and in LRTP is 11. Please explain.
 - The CAMPO LRTP does not list completed projects. The LRTP has project F1a that corresponds to sections F and G of R-2000. Project F4a corresponds to sections AA, AB, and AC of R-2000. As this date, sections F and G of R-2000 are open to traffic.
- ❑ **R-2809** (*Wake County STIP*) mileage in STIP is 4.7 and in LRTP is 1.39. Please explain.
 - The draft STIP description includes the length of the whole project (Wake Forest Bypass). As of the completion of the 2030 LRTP, 3.31 miles of the project had been completed. The 1.39 miles of project in the LRTP were not under construction.
- ❑ **U-5024** (*Wake County STIP*) not in LRTP. Please explain.
 - Project U-5024 (Green Oaks Parkway in Holly Springs) is an economic development project that is partially being funded using economic development funds from the State of North Carolina. This project is not regionally significant and no Federal funds will be used.
- ❑ **U-4901** (*Wake County STIP*) not in LRTP. Please explain.
 - In 2020 HY as segments A12 and A13b

- ❑ **R-2257** (*Granville County STIP*) not in LRTP. Please explain.
 - Granville County was not a member of the Capital Area MPO at the time of completion of the 2030 LRTP.

DONUT AREAS

- ❑ Chatham
 - No comments
- ❑ Franklin
 - No comments
- ❑ Granville
 - No comments
- ❑ Johnston
 - No comments
- ❑ Orange
 - No comments
- ❑ Person
 - No comment

Division of Air Quality Comments on the 2009-2015 STIPs

Triangle Area

CAMPO

- I could not find the following projects in the TIP:
 - **U-2908**, NC 54
 - This project was constructed and completed by the Town of Cary.
 - **U-4410**, South Loop Road
 - This project is partially complete in the LRTP. The portion that should have been in the TIP is complete. That is why it is not included in the TIP.
 - **U-4026**, Davis Drive
 - It is in the TIP under page 5-36.
 - **R-2906**, NC 55
 - This project is complete.
 - **R-2907**, NC 55
 - This project is complete.
 - **U-3344**, Airport Blvd
 - It is in the TIP under page 5-34.
 - **R-2641**, I-540 (Eastern)
 - This project is complete.
 - **U-3101**, US 1- 64
 - This project is complete.
- I could not find **U-5024**, Green Oaks Parkway, or **U-4901**, Falls of the Neuse Road, in the plan.
 - Project U-5024 (Green Oaks Parkway in Holly Springs) is an economic development project that is partially being funded using economic development funds from the State

of North Carolina. This project is not regionally significant and no Federal funds will be used.

- Project U-4901 In 2020 HY as segments A12 and A13b

DCHC

- I could not find the following projects in the TIP:
 - **U-3105**, Garrett Road/ Chapel Hill Road
 - This project is complete
 - **U-2102**, Guess Road
 - This project is complete
 - **U-3853**, Hopson-Page Rd Ext
 - This project is complete
 - **I-2204**, I-40
 - This project is complete
 - **U-2302**, NC 86
 - This project is complete
 - **R-942**, US 15-501
 - This project is complete
 - **U-2808**, Us 70/Miami Blvd/ Mineral
 - This project is complete
 - **U-4410**, Hopson Rd realignment
 - **This project is will be completed in 2008**
- I could not find **I-5104**, I-540/I-40 intersection improvements, in the plan. Construction begins in 2010.
 - I-5104 will be folded into project R-2000. It does not impact the way that R-2000 was modeled for conformity.
- I could not find **U-4763B**, Triangle Parkway, in the plan. Is the part shown on the TIP not in Durham County?
 - This project in the amended LRTP (#66)
- Is the part of **U-2831** in the 2009 horizon year of the plan, the part complete?
 - The part of U-2831 in the LRTP is complete

Burlington Graham MPO

- No Comments

Donuts

- No comments for Person County.
- No comments for Orange County.
- No comments for Chatham County.
- No comments for Franklin County.
- No comments for Granville County.

- No comments for Johnston County.

EPA Comments for 09-15 TIP

Overall Comments

- Provide more description in future to determine if bridge projects are exempt or not. Any change for capacity would make the project nonexempt. For future descriptions, please provide existing and proposed lanes and the length for the bridge projects.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
 - In NC Federal Bridge Replacement does not allow for increased capacity. For additional capacity it will have a different project number associated with it.
- Recommend complete listing of exempt projects and enough information for IAC to make a determination on whether this project is truly exempt per the transportation conformity rule. In the exempt listing it would be helpful for the projects to be categorized as exempt per 93.126, 93.127 or 93.128 of the transportation conformity rule.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
- For multi-county projects it is going to be even more important when subarea budgets are available to account for the portion of the project in a particular county in that particular county's regional emissions. This will mean that more detail on what the terminus for the projects are based on the county and not the entire project.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
- Our recommendation for donut county projects in the future will be to have a listing of projects in the donut area that were considered in the regional emissions analysis for the LRTP adoptions so that subsequently we can compare these projects for future conformity determinations. For projects in LRTP it is easier to find the legacy listing.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.
- For donut areas it is highly recommend an addendum table which provides complete project description (i.e., number of existing versus proposed lanes; terminus; whether the project is exempt; whether the project is regionally significant; and year for which the projects were considered open-to-traffic for the purpose of the regional emissions analysis.
 - EPA is recommending that this be done for future LRTP updates/conformity determinations. FHWA will set up a conference call with EPA and NCDOT to discuss the details of this request and how it can be implemented.

TRIANGLE AREA

DURHAM

- Could not find **U-4763B** in Durham County in the LRTP. Please Explain.
 - This project is in the amended LRTP (#66)

CHATHAM

- No comments

ORANGE

- No comments

WAKE

- Could not find **U-5024** in Wake County in the LRTP. Please Explain.
 - Project U-5024 (Green Oaks Parkway in Holly Springs) is an economic development project that is partially being funded using economic development funds from the State of North Carolina. This project is not regionally significant and no Federal funds will be used.
- Could not find **U-4901** in Wake County in the LRTP. Please Explain.
 - Project U-4901 In 2020 HY as segments A12 and A13b
- For project R-2000 in Wake County, please explain why the TIP has the project listed as 29 miles whereas the LRTP has it listed as 11.
 - The CAMPO LRTP does not list completed projects. The LRTP has project F1a that corresponds to sections F and G of R-2000. Project F4a corresponds to sections AA, AB, and AC of R-2000. As this date, sections F and G of R-2000 are open to traffic.
- For project **R-2814** in Wake County, please explain why the TIP has the project listed as 18.5 miles whereas the LRTP has it listed as 8.
 - The 8.29 miles represents projects in the 2030 LRTP (From Ligon Mill Road to Franklin County) that were within the Capital Area MPO jurisdiction at that time. Franklin County at the time of the 2030 LRTP completion was not a member of the Capital Area MPO

JOHNSTON

- Could not find **I-4754** in Johnston County in the LRTP. Please Explain.
 - This project is in Johnston County outside of the MPO boundary.
- Could not find **U-3334** in Johnston County in the LRTP. Please Explain.
 - Johnston County was not a member of the Capital Area MPO at the time of completion of the 2030 LRTP.

GRANVILLE

- No comments

FRANKLIN

- No comments

Appendix E: Comments and Responses from Public Involvement Process

[NOTE: Appendix E will be included in the Final Report.]

Appendix F: TIP Adoption and Conformity Resolutions

Appendix F includes TIP adoption/endorsement and conformity finding resolutions for applicable MPOs (adoption), RPOs (endorsement) and the NCDOT (conformity findings for rural counties, since TIP adoption has already occurred).

For digital versions of this document, the following pdf files contain these actions:

- F1 Burlington-Graham MPO 2009-15 TIP adoption
- F2 Burlington-Graham MPO 2009-15 TIP conformity finding
- F3 Durham-Chapel Hill-Carrboro MPO 2009-15 TIP adoption
- F4 Durham-Chapel Hill-Carrboro MPO 2009-15 TIP conformity finding
- F5 Capital Area MPO 2009-15 TIP adoption
- F6 Capital Area MPO 2009-15 TIP conformity finding
- F7 NCDOT Chatham County (rural portion) 2009-15 TIP conformity finding
- F8 NCDOT Franklin County 2009-15 TIP conformity finding
- F9 NCDOT Granville County 2009-15 TIP conformity finding
- F10 NCDOT Johnston County 2009-15 TIP conformity finding
- F11 NCDOT Orange County (rural portion) 2009-15 TIP conformity finding
- F12 NCDOT Person County 2009-15 TIP conformity finding
- F13 Kerr-Tar RPO 2009-15 TIP conformity endorsement
- F14 Upper Coastal Plain RPO 2009-15 TIP conformity endorsement
- F15 Triangle Area RPO 2009-15 TIP conformity endorsement

[NOTE: this appendix will be included in the final report]

Appendix G: Public Notifications

Appendix G includes public notifications of the draft TIP. [NOTE: this appendix to be added in the final report]

For digital versions of this document, the following files contain these actions:

G1 Burlington-Graham MPO 2009-15 TIP notification

G2 Durham-Chapel Hill-Carrboro MPO 2009-15 TIP notification

G3 Capital Area MPO 2009-15 notification

Appendix H: Motor Vehicle Emission Budgets

Appendix H includes a copy of the Federal Register Notice for the Motor Vehicle Emission Budgets promulgated on December 26, 2007.

Appendix I: Motor Vehicle Emission Budgets

Appendix I includes comparisons between the emissions generated by the transportation network in each county for each analysis year and the Motor Vehicle Emission Budgets promulgated on December 26, 2007.

Chatham County

Analysis Year	Model	Off-Model	Comparison Amount	Budget Amount	
2002	1,783	0			
2008	1,387	0	1,387	1,565	OK
2010	1,255	0	1,255	1,565	OK
2017	799	0	799	948	OK
2020	603	0	603	948	OK
2030	448	0	448	948	OK

Durham County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Off-Model (reduction)	Comparison Amount	Budget Amount	
2002	18,938	73			
2007	13,081	72	13,009		
2008	11,913	72	11,841	13,106	OK
2009	10,744	71	10,673	13,106	OK
2010	9,470	71	9,399	13,106	OK
2012	7,439	64	7,375	13,106	OK
2015	5,097	53	5,045	13,106	OK
2017	4,371	45	4,326	4,960	OK
2020	3,282	34	3,248	4,960	OK
2030	2,750	34	2,716	4,960	OK

Franklin County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Rural portion	Total County	Budget Amount	
2002	619	2,524	3,143		
2008	455	1,578	2,033	2,048	OK
2010	400	1,263	1,663	2,048	OK
2017	271	755	1,026	1,139	OK
2020	216	538	754	1,139	OK
2030	178	359	537	1,139	OK

Johnston County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Rural portion	Comparison Amount	Budget Amount	
2002		12,534			
2008		10,658	10,658	12,583	
2010		10,032	10,032	12,583	OK
2017		5,724	5,724	5,958	OK
2020		3,877	3,877	5,958	OK
2030		2,347	2,347	5,958	OK

Granville County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Rural portion	Comparison Amount	Budget Amount	
2002	207	4,414			
2008	138	2,472	2,610	4,649	
2010	115	1,825	1,940	4,649	OK
2017	70	925	995	1,714	OK
2020	51	539	590	1,714	OK
2030	47	383	430	1,714	OK

Orange County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Off-Model	Comparison Amount	Budget Amount	
2002	14,391	0			
2008	8,967	0	8,967	9,933	OK
2010	7,159	0	7,159	9,933	OK
2017	3,578	0	3,578	3,742	OK
2020	2,043	0	2,043	3,742	OK
2030	1,382	0	1,382	3,742	OK

Person County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Rural portion	Comparison Amount	Budget Amount	
2002		1,837			
2008		1,283	1,283	1,359	
2010		1,099	1,099	1,359	OK
2017		746	746	791	OK
2020		594	594	791	OK
2030		474	474	791	OK

Wake County

NOx Comparison Table (kg/day)					
Analysis Year	Model	Off-Model (reduction)	Comparison Amount	Budget Amount	
2002	81,638	284			
2007	36,429	212	36,218		
2008	33,415	209	33,206	36,615	OK
2009	30,400	206	30,194	36,615	OK
2010	26,739	168	26,571	36,615	OK
2012	21,850	197	21,653	36,615	OK
2015	15,216	240	14,977	36,615	OK
2017	13,263	268	12,995	16,352	OK
2020	10,334	311	10,023	16,352	OK
2030	9,419	276	9,143	16,352	OK

MEMORANDUM OF AGREEMENT
BETWEEN
DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING
ORGANIZATION AND
CHAPEL HILL TRANSIT (CHT), DURHAM AREA TRANSIT AUTHORITY (DATA)
AND TRIANGLE TRANSIT
FOR IMPLEMENTING
THE US DEPARTMENT OF TRANSPORTATION (USDOT) METROPOLITAN
TRANSPORTATION PLANNING REGULATION

This MEMORANDUM OF AGREEMENT hereinafter called MOA is entered into this 13th day of August 2008, by and between the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization, hereinafter called DCHC MPO, and publicly owned transit operators; the Chapel Hill Transit hereinafter called “CHT”, the Durham Area Transit Authority, hereinafter called “DATA”, and the Research Triangle Regional Public Transportation Authority hereinafter called “Triangle Transit”. The MOA is created pursuant to 23 CFR 450.310 (b) which states that there be an agreement between DCHC MPO, as the designated “Metropolitan planning organization” (MPO), and CHT, DATA & Triangle Transit as the operators of publicly owned transit services which specifies cooperation procedures for carrying out transportation planning and programming.

The purpose of this agreement is to specify cooperative procedures and for carrying out transportation planning and programming in the DCHC metropolitan planning area in compliance and conformance with federal planning regulations (23 CFR 450, Subpart C). This MOA is intended to make explicit and expand upon existing cooperating planning and programming procedures and activities, and to establish new or expanded cooperative procedures where necessary in order to meet federal requirements for a continuing, cooperative and comprehensive urban transportation planning process.

INTRODUCTION

I. Planning Responsibilities of DCHC MPO

DCHC MPO is the regional transportation planning agency for the Durham-Chapel Hill-Carrboro urban area pursuant to US Department of Transportation regulation, CFR Part 450 and 49 Part 613. The MPO provides comprehensive regional transportation planning for the planning

area comprising the City and County of Durham, Town of Chapel Hill, Town of Carrboro, Town of Hillsborough, Orange County and Chatham County. In accordance with federal regulations, the Governor of the State of North Carolina designated the DCHC Metropolitan Planning Organization and the City of Durham as the Lead Planning Agency (LPA) for the MPO. Under this designation DCHC MPO, in cooperation with the North Carolina Department of Transportation (NCDOT) and publicly owned operators of mass transportation services, is responsible for carrying out the urban transportation planning process specified in federal regulations (23 CFR Sections 450, Subpart C). That process includes the development of a Unified Planning Work Program, a Long Range Transportation Plan, Transportation Improvement Program, Congestion Management Program, Public Involvement Program, Environmental Justice Program, Intelligent Transportation System Deployment Plan, Safety programs, Freight and Urban Goods Movement plan, etc.

II. Planning Responsibilities of the Transit Operators

The transit operators within the DCHC MPO planning area consist of CHT, DATA and Triangle Transit. CHT provides public transportation within the Towns of Chapel Hill and Carrboro, DATA provides public transportation mostly within the City of Durham and Triangle Transit provides public transportation for the entire Triangle region.

WITNESSETH,

WHEREAS, DCHC MPO, CHT, DATA & Triangle Transit are mutually interested in the conduct of the planning process and in the development, exchange and analysis of information related to the performance of the existing and future multimodal transportation system; and

WHEREAS, DCHC MPO, CHT, DATA & Triangle Transit are mutually interested in the implementation of a multimodal transportation system. DCHC MPO, CHT, DATA & Triangle Transit agree to the consultation and coordination in development of the following plans and programs: Long Range Transportation Plan (LRTP), Transportation Improvement Program (TIP), Congestion Management Program (CMP), Intelligent Transportation Systems (ITS), multi-modal corridor studies, Transit Environmental Impact Statements/Preliminary Engineering, Unified Planning Work Program (UPWP), Job Access Reverse Commute (JARC/New Freedom (NF) coordinated plan/program management plan and a short-range transit plan (transit development plan) and other corridor/transit investment studies; and

WHEREAS, the Metropolitan Transportation Planning program is in the mutual interest of DCHC MPO, CHT, DATA & Triangle Transit and they mutually agree to appropriate funding shares to support the program; and

WHEREAS, DCHC MPO, CHT, DATA & Triangle Transit have existing responsibilities for complying with Federal, State, and Local regulations related to transportation and the provision of public transit.

NOW THEREFORE, DCHC MPO, CHT, DATA and Triangle Transit do hereby covenant and agree as follows:

DCHC MPO AGREES TO:

1. Adopt and maintain the Long Range Transportation Plan, Comprehensive Transportation Plan, Transportation Improvement Program, Congestion Management Program, Unified Planning work Program, ITS Strategic Deployment plan and Public the Involvement Program/Public Participation Program as required for the receipt of federal and State transportation funds including coordination of DCHC MPO, CHT, DATA & Triangle Transit public involvement and environmental justice/Title XI processes.
2. Provide for the coordinated, cooperative and continuing transportation planning and programming process.
3. Manage the administration and operation of the Technical Coordinating Committee (TCC), the technical body of the MPO and the Transportation Advisory Committee (TAC), the policy body of the MPO.
4. Develop the Congestion Management System Plan that is inclusive of transit, transportation demand management, and traffic operations strategies as required by federal regulations.
5. Conduct multi-modal corridor plans in areas needing major transportation investments. Coordinate with Triangle Transit as they conduct studies of transit system related projects needing a major transportation investment.
6. Conduct air quality conformity determinations for transportation plans, programs, and projects as required by federal and state regulations.
7. Develop, maintain and analyze transportation-related data and GIS information for use in transportation planning, programs and studies.
8. Maintain and update regional travel forecasting models which provide base year and future year travel estimates for person trips, transit trips and walk/bike trips.
9. Coordinate with CHT, DATA and Triangle Transit on the development of the annual Unified Planning Work Program and include work elements of interest to the CHT, DATA and Triangle Transit in the UPWP.
10. Coordinate with NCDOT on early, ongoing, and responsive public involvement activities, as required by SAFETEA-LU, in the transportation planning and programming process.

CHT, DATA & TRIANGLE TRANSIT AGREE TO:

1. Coordinate and consult with the DCHC MPO on development of transit plans and programs as they relate to performance of the local regional transportation system. These include but

are not limited to the following: short range transit plan (transit development plan-TDP), ADA Paratransit Service Plan, transit management systems planning, job access and reverse commute programs, other transit services planning, pedestrian access to transit planning and park-and-ride facility planning. CHT, DATA and Triangle Transit shall also provide technical assistance in preparing transit elements of the Long Range Transportation Plan. This includes development of proposed transit networks for regional travel forecasting models.

2. Coordinate and consult with DCHC MPO in conducting studies for transit system projects requiring a major transportation investment and development of related transit Environmental Impact Statements/Preliminary Engineering.
3. Coordinate with DCHC MPO in the collection and analysis of transit related data.
4. Submit the following for review and/or adoption by TCC and the TAC:
 - a. The short range transit plan with documentation of its consistency with the Long Range Transportation Plan (LRTP).
 - b. The Paratransit Service Plan with documentation of compliance with Federal regulations and the JARC-NF Coordinated plan and LRTP.

IT IS MUTUALLY AGREED:

The undersigned agencies in accordance with Part 450 Subsection 450.310 (Metropolitan Planning Organization Agreements) of Title 23 U.S.C. do hereby mutually agree to consultation and coordination in carrying out transportation planning and programming in the DCHC Metropolitan Planning Area Boundary as required by this Subpart.

This MOA will be reviewed every five years and amended or reaffirmed as necessary to reflect changing conditions and responsibilities. Nothing in this MOA shall be interpreted as restricting or diminishing those cooperative procedures and activities that presently exist between the DCHC MPO and the publicly owned operators of mass transportation services, CHT, DATA and Triangle Transit. Minor adjustments of the MOA established herein shall be accomplished informally by mutual consent between the DCHC MPO and the transit operators. Major changes to the cooperative procedures established herein shall be accomplished by written amendment to this agreement. The TCC shall decide what constitutes major and minor changes to this MOA.

**DURHAM-CHAPEL HILL-CARRBORO
METROPOLITAN PLANNING ORGANIZATION**

(SEAL) By _____
Alice Gordon, PhD, TAC Chair

Date

Attest

Name, Title and Date

DURHAM AREA TRANSIT AUTHORITY

(SEAL) By _____
Xxxxxx Yyyyyyy, DATA Chair

Date

Attest

Name, Title and Date

DURHAM AREA TRANSIT AUTHORITY

(SEAL) By _____
Xxxxxx Yyyyyyy, DATA Chair

Date

Attest

Name, Title and Date

**RESEARCH TRIANGLE REGIONAL PUBLIC
TRANSPORTATION AUTHORITY**

(SEAL)

By _____
Xxxxxx Yyyyyyy, TT Chair

Date

Attest

Name, Title and Date



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY
GOVERNOR

LYNDO TIPPETT
SECRETARY

Memo to: Invitees to the FHWA Pedestrian Safety Plan Workshop

From: Tom Norman, Director

Subject: Participation in the Pedestrian Safety Plan Workshop

Date: May 1, 2008

Pedestrians represent 11% of all roadway-related fatalities in the United States. To address this problem, the Federal Highway Administration (FHWA) developed the Pedestrian Safety Action Plan program. FHWA has identified the thirteen states with the highest pedestrian fatality rates in the nation- North Carolina is one of these "focus states" and has been selected to host a Pedestrian Safety Action Plan Workshop to identify actions that can measurably reduce pedestrian fatalities.

With this memo, I am inviting you to attend this workshop and look forward to your involvement as we begin to look at ways to improve the pedestrian environment across the state. I believe you can help us develop realistic strategies to make our state a safer and more pleasant place to walk. Your knowledge and professional background are essential to the success of this initiative. The goal of the workshop is to create a working outline geared to the development of a Pedestrian Safety Action Plan for North Carolina.

The Division of Bicycle and Pedestrian Transportation will host this 2-day workshop on June 2-3 in Greensboro and on June 5-6 in Raleigh. Each location will cover the same content and will run from 8:00 am to 4:30 am each day. There is no cost to attend, and lunch and refreshments will be provided each day. The FHWA facilitators for this workshop are two of the country's top pedestrian safety experts. They will lead the group through discussions and exercises in which current policies and procedures will be reviewed and opportunities to make conditions safer for walking will be explored. Twelve PDH credits will be offered. I hope you will be able to participate in this timely workshop. Please contact Mary Meleti at 919-515-8771 or mpmeleti@ncsu.edu with any questions you may have.

Please confirm your participation in this workshop, including which workshop location you wish to attend, by contacting Sarah O'Brien at skworth@ncsu.edu or 919-515-8703. Additional materials as well as specific information about the workshop location will be sent to workshop participants upon receiving a confirmation to attend.

CC: Bill Rosser, PE; Jon Nance, PE; Debbie Barbour, PE; Art McMillan, PE; Kevin Lacy, PE

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
DIVISION OF BICYCLE & PEDESTRIAN TRANSPORTATION
1552 MAIL SERVICE CENTER
RALEIGH NC 27699-1552

TELEPHONE: 919-807-0771
FAX: 919-807-0768
WEBSITE: WWW.NCDOT.ORG/TRANSIT/BICYCLE/
EMAIL: TNORMAN@DOT.STATE.NC.US

LOCATION:
401 OBERLIN ROAD
SUITE 250
RALEIGH, NC 27695
Page 1 of 2

McKeel, Dale

From: Sarah O'Brien [skworth@ncsu.edu]
Sent: Monday, May 05, 2008 10:50 AM
To: skworth@ncsu.edu
Subject: PSAP Workshop Confirmation - Raleigh, June 5-6
Attachments: raleigh location.doc; CCmap2007.pdf

Greetings,

We are very glad that you will be participating in the North Carolina Department of Transportation's Pedestrian Safety Action Plan Workshop in June. Your knowledge will help us develop realistic strategies to make our state a safer and more pleasant place to walk.

Please find the Federal Highway Administration's handbook for this workshop, titled *How to Develop a Pedestrian Safety Action Plan*, online at <http://drusilla.hsrrc.unc.edu/cms/downloads/howtoguide2006.pdf>. The facilitators will be referring to material in this guide frequently throughout the workshop, so it is important that you become familiar with its contents. At a minimum, please thoroughly read Chapter Seven, Appendix I, and any other segments of the guide which are specifically relevant to your work.

We anticipate an outcome of this workshop may include suggested adjustments to the state policies, procedures, designs, construction practices, etc. Therefore, as many of the agency's documents as possible should be on hand during the workshop. Please begin gathering any relevant documents you work with or are responsible for in your work. Some examples include:

- Design manuals and Standard Drawings: not only pedestrian design, but roadway manuals as well - signal, signing and striping design guides all influence how pedestrians interact with drivers.
- Statewide summaries of pedestrian crashes. Preferably sorted by type (walking along the road, crossing, straight through, turning); date/time of day, location (intersection, midblock); street classification (local/arterial, rural/urban); roadway characteristics (numbers of lanes, ADT, presence of sidewalk); driver or pedestrian error.
- Highest pedestrian crash locations, corridors, and areas. Maps are preferred, but summaries and/or listing of the highest crash locations sites can work too.
- Agency manuals on policy, including funding limitations, maintenance and right-of-way responsibilities, etc. This helps when questions arise as to what an agency is limited to, or is obligated to do when it comes to accommodating pedestrians.
- State Vehicle Code and Driver Manual. This helps when questions arise as to what is legal or not, especially delicate issues such as allowing midblock crossings or assigning right of way at intersections.

The FHWA facilitators will lead us through discussions and exercises in which current policies and procedures will be reviewed and opportunities to make conditions safer for pedestrians will be explored. Please remember to wear comfortable shoes and clothing suitable for the weather that day, as one of the exercises includes a walking audit of a nearby problem area.

Also attached, you will find details about getting to the workshop. A reminder email will be sent out in the days just prior to the workshop as well. Until then, if you have any questions, please contact Mary Meletiou at 919-515-8771 or mpmeleti@ncsu.edu. We look forward to working on this initiative together with you.

Thank you,

Sarah O'Brien

MEMORANDUM

To: Transportation Advisory Committee (TAC)
DCHC MPO

From: DCHC MPO Lead Planning Agency

Date: May 14, 2008

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

This memorandum provides a summary status of tasks for projects in the FY 2007-2008 Unified Planning Work Program.

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

2007-08 Unified Planning Work Program (UPWP) – Projects

Long Range Transportation Plan (LRTP) / Comprehensive Transportation Plan (CTP) Update

- ✓ Draft schedule – August 2006
- ✓ Release SE Data for public comment – January 2007
- ✓ Release Goals and Objectives for public comment – July 2007
- ✓ TAC approve SE Data – September 2007
- ✓ Goals and Objectives – TAC hold public hearing, September 2007, and approve, October 2007.
- ✓ TAC approve Targets – February 2008
- ✓ TAC review Deficiency Analysis – March 2008
- TAC review Land Use Scenarios – May 2008
- TAC review LRTP Alternatives – June 2008

Travel Time Survey/Speed Study

- ✓ Consultant has been selected for the survey.
- ✓ Scoping and contract negotiations completed.
- ✓ Field reconnaissance and data collection – in progress.
- Field survey completed. Analysis in progress

GIS/Data Integration and Automation

- ✓ Issue RFQ – September 11, 2006
- ✓ Non-mandatory pre-proposal conference – September 25, 2006
- ✓ Receive written proposals – October 15, 2006
- ✓ Consultant short list by October 23-27, 2006

- ✓ Consultant short list interviews/references check and city issues Notice of Intent to Award a Contract by October 30-November 13, 2006
- ✓ Contract negotiation and scoping in progress
- ✓ Council approves contract – August 13, 2007
- ✓ City issues contract
- ✓ Notice to proceed
- ✓ Kick-off meeting held in October
- ✓ Project underway

Land-use Model development

- ✓ Issue RFQ – August 7, 2006
- ✓ Pre-proposal conference – August 29, 2006
- ✓ Receive written proposals – September 8, 2006
- ✓ Consultant short list – September 13-22, 2006
- ✓ Consultant short list interviews/references check and City issues notice of intent to award a contract – September 25-29, 2006
- ✓ Contract negotiation and scoping completed
- ✓ Council approves contract March 5, 2007
- ✓ City issues contract – March 25, 2007
- ✓ Notice to proceed – March 25, 2007
- Study underway – completion December 2008

Non-Motorized Model development

- ✓ Issue RFQ – August 21, 2006
- ✓ Non-mandatory pre-proposal conference – September 6, 2006
- ✓ Receive written proposals – September 21, 2006
- ✓ Consultant short list – September 25-29, 2006
- ✓ Consultant short list interviews/references check and City issues notice of intent to award a contract – October 2-6, 2006
- ✓ Contract negotiation and scoping completed
- ✓ Council approves contract – March 5, 2007
- ✓ City issues contract – March 25, 2007
- ✓ Notice to proceed – March 25, 2007
- Study underway –completion December 2008

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.
- Consultants selection in spring of 2008
- Notice to proceed in spring 2008
- Completion of Project expected in spring of 2009.

Farrington Road/Stagecoach Road Corridor Study

- This study would involve 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 at June TAC

MPO Collector Street Plan

- ✓ Supplemental Agreement with Kimley Horn and Associates
- ✓ Data collection underway
- Completion of study and integration with the 2035 LRTP in Spring 2008

Regional Transit Infrastructure Blueprint

- ✓ Establish and convene sponsors and partners teams, agree on detailed task list, responsibilities, products, begin infrastructure and corridor descriptions; begin investment principles - summer 2006
- ✓ Finish corridor and infrastructure descriptions; finalize principles fall 2006
- ✓ Begin land use, travel and cost analysis - winter 2006
- ✓ Finish land use, travel, cost analysis - spring 2007
- Conclude work, issue Blueprint, implement tracking mechanism - summer 2007

Chapel Hill/Carrboro/UNC Long Range Transit Plan

- Project underway
- Projected to be completed in spring of 2008

Unified Planning Work Program (UPWP) – Continuing Projects

Greenhouse Gas (GHG) Emission Inventory and Action Plan

- ✓ Execute contract and give consultant Notice-to-Proceed – March 2006 (delayed due to contract issues)
- ✓ Formation of Technical Committee finalized in February 2006.
- ✓ Formation of stakeholder committee (Advisory Committee) finalized in February 2006.
- ✓ Kick off meeting for the study held March 23, 2006
- ✓ Establish Project Team List serve in February 2006
- ✓ Base Year data Collection and Information Gathering to be completed in March-August 2006 (Durham – complete; Orange – in progress).

- ✓ Data Analysis and Projection likely to be completed in (Durham - August 2006; Orange - ?).
- ✓ Determine and quantify historic and existing measures likely to be completed in July-August 2006.
- ✓ Identify new measures to be completed in August 2006.
- ✓ Criteria Air Pollutant (CAP) Analysis anticipated to be completed in September 2006.
- ✓ Identify GHG target and model reduction targets anticipated to be completed in February-March 2006.
- ✓ Formulate Action Plan anticipated to be completed in March 2007.
- ✓ Recommend reduction targets, strategies and action plan anticipated to be done by March 2007.
- ✓ Draft Plan finalized in June 2007.
- ✓ Durham Public Forum - June 21, 2007
- ✓ Plan Adoption anticipated occurring during fall 2007. Durham City and Durham County approved on September 19, 2007.
- The Orange County plan has been delayed several months beyond the Durham County plan.

Congestion Management System (CMS)/Mobility Report Card

- ✓ Consultants selected for the study.
- ✓ Data collection for the Mobility Report Card underway
- ✓ Data Collection for the Durham study about 80% complete.
- ✓ Data Collection and field inventory completed.
- Level of Service analysis and draft report completed.
- Development of CMS performance measures and guidelines likely to be completed in winter 2008.
- Evaluation of congestion management strategies and development of cost-effective mitigation measures expected to be done in winter 2008.
- Draft CMS State of System Report likely to be done in winter 2008.
- Public Comment and local review in spring 2008.
- Adoption anticipated in spring/summer 2008.

Travel Demand Model Update – Model Revision to Incorporate FTA New Start Enhancement

- ✓ Consultant has been selected to assist the Triangle Regional Model (TRM) Service Bureau at ITRE in the model update.
- ✓ Data collection is complete.
- ✓ Migration of model from Tranplan to TransCad has been completed.
- ✓ Phase 1 (TTA new start model revision) completed in October 2005.
- ✓ Phase II TTA New Start model conversion to TransCad to be completed in August 2006.
- Calibration of 2002 model in TransCad anticipated to be completed in fall 2007.
- Validation of 2002 model against 2005 count data anticipated to be completed in fall 2007.

Unified Planning Work Program (UPWP) – Routine and Other Special Projects

MPO Environmental Justice (EJ) and Limited English Proficiency (LEP) Plan Integration

- Mandated by federal regulations
- Draft plan to be prepared in 2008.

Update of the MPO Public Involvement Policy Consistent with SAFETEA-LU

- ✓ Draft to be ready for fall of 2007.
- ✓ Adopted anticipated in Spring of 2008

MPO Expansion for the next LRTP Update

- ✓ Initiated dialogue with Person County, Granville County, Butner, Roxboro and Pittsboro – July 2006
- ✓ Met with governing bodies of these jurisdictions – September 2006
- MPO expansion and revision of MOU expected to be completed as part of the 2035 LRTP update.

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 Study expected completion - Spring 2008

NCDOT PROJECTS UNDER CONSTRUCTION IN DURHAM COUNTY - 5/1/2008												
County	TIP #	Route	Location Description	Contract Amount	Length	Contractor Name	Resident Engineer	RE Ph. #	Contract Completion	Scheduled Progress	Actual Progress	Estimated Completion
Durham	I-306C	I-85	WIDENING OF I-85 FROM EAST OF COLE MILL RD TO WEST OF BROAD STREET.	\$ 66,628,382.65	3.416 km	Granite Construction Company	Aaron V. Earwood, PE	(919) 220-4680	12/31/2006	100%	100%	5/1/2008
DURHAM	U-4010	NC 98	WIDENING OF NC 98 (HOLLOWAY ST) FROM EAST OF US 70 TO EAST OF JUNCTION ROAD	\$ 3,288,207.30	0.369 miles	Triangle Grading and Paving	Cadmus Capehart, PE	(919) 840-0914	6/15/2008	58%	25.2%	6/15/2008
DURHAM	U-4410DB	HOPSON ROAD	NEW ALIGNMENT OF HOPSON ROAD FROM NC-55 TO LOUIS STEPHENS DRIVE	\$ 3,476,305.55	0.587 miles	Thompson Contracting, Inc.	Jeff Allen, PE	(919) 733-9499	10/1/2008	42.5%	49.2%	10/1/2008
DURHAM / WAKE	U-4026A/B R 2904	DAVIS DRIVE / NC-54	WIDENING OF DAVIS DRIVE FROM MORRISVILLE-CARPENTER ROAD TO NC 54, WIDENING OF NC-54 FROM DAVIS DRIVE TO MIAMI BLVD	\$ 35,467,891.08	6.363 miles	C C Mangum Company LLC	Jeff Allen, PE	(919) 733-9499	11/1/2009	33.4%	45.8%	11/1/2009
DURHAM	B-3450 / U-4009 / U-4012	GARRETT ROAD	TWO BRIDGES ON GARRETT RD; SERVICE ROAD NEAR US 15-501 AND GARRETT RD INTERSECTION; US 15-501 FROM NORTH MT. MORIAH RD SOUTH OF GARRETT RD	\$ 18,810,912.36	1.769 miles	DLB, Inc.	Aaron V. Earwood, PE	(919) 220-4680	8/1/2010	8.5%	10.8%	8/1/2010
DURHAM	2008 RESURF	US-501, NC-55, SR	RESURFACING AND SHLDR RECONSTR. OF US-501, NC-55 AND 14 SECTIONS OF SECONDARY RDS	\$ 3,389,883.53	21.5 miles	C C Mangum Company LLC	Cadmus Capehart, PE	(919) 840-0914	8/1/2008			
DURHAM	B-3169	RIVERMONT ROAD	BRIDGE 158 ON RIVERMONT ROAD (SR-1402)	\$ 539,350.81	0.067 miles	SMITH-ROWE, INC.	Aaron V. Earwood, PE	(919) 220-4680	11/10/2008			
DURHAM / WAKE	B-3528	LEESVILLE ROAD	BRIDGE OVER SYCAMORE CREEK ON LEESVILLE ROAD (SR-1839)	\$ 1,174,705.74	0.284 miles	Mountain Creek Contractors, LLC	Cadmus Capehart, PE	(919) 840-0914	5/15/2009			
NCDOT PROJECTS FOR LET NEXT 12 MONTHS IN DURHAM COUNTY - 5/1/2008												
County	TIP #	Route	Location Description	Contract Estimate	Length		Contact Engineer	Phone #	Contract Let Date			
DURHAM	B-4109	PICKETT ROAD	BRIDGE OVER MUD CREEK ON PICKETT ROAD (SR-1303)	\$ 850,000.00	0.078 miles		D. TAYLOR	(919) 250-4016	5/20/2008			
DURHAM / WAKE	2008-RESURF	US-70	WIDENING, RESURF. AND SHLDR RECONSTR. OF US-70 W OF ANGIER AVE TO W OF ANGUS DR	\$ 2,000,000.00	4.39 miles		M. KNEIS	(919) 220-4600	5/20/2008			
DURHAM	U-2055B	NC 55	CONSTRUCTION OF TURN LANES AT RIDDLE ROAD AND NC-55	\$ 223,238.50			B. UPSHAW	(919) 220-4600	spring 2008			
DURHAM	U-2055D	AVONDALE DRIVE	CONSTRUCTION OF ROUNDABOUT ON AVONDALE DRIVE	\$ 493,065.78			B. UPSHAW	(919) 220-4600	spring 2008			
DURHAM	U-3309A	TW ALEXANDER DR	WIDENING FROM CORNWALLIS ROAD TO EAST OF NC-147	\$ 8,900,000.00	1.072 miles		J. MOORE	(919) 250-4016	2/17/2009			
12 MONTH TENTATIVE LET LIST MAY BE FOUND ONLINE AT: http://www.ncdot.org/planning/development/ProjectMgmt/12month/												
PROGRESS REPORTS MAY BE FOUND ONLINE AT: https://apps.dot.state.nc.us/traffictravel/progloc/												

ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC WFO

TC 04/28/08 Attachment 12

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	Signal plans & specs. rec'd.- Proposal pending
Orange	41096	NC 54 @ SR 2016 (Southern Drive)	Construct a left turn lane on NC 54 westbound	\$200,000.00	Barrett, Irvin & Jordan Contr., Inc.; available 4/15/08
Orange	41488	US 15-501 @ SR 1900 (Old Mason Farm Road)	Extend the left turn lane on northbound US 15-501 , revise the signal and add a right turn lane at SR 1900	\$147,500.00	District design underway
Orange	41593	Union Street	Construct 750 feet of sidewalk and a crosswalk to connect Hillsborough Elementary School to SR 1156 (Nash St.)	\$32,000.00	Town to include as part of large STP- DA sidewalk contract for Nash St.- Enc. Agreement under review
Orange	41686	NC 54 @ SR 1102/1951 (Dodson's Crossroads/ Butler Rd.)	Construct left turn lanes in both directions	\$250,000.00	Bids open 5/12/08 Avail 6/2/08 Compl. 8/8/08
Orange	41953	SR 1733 (Weaver Dairy Rd.) @ SR 1737 (Sunrise Dr.)	Install a traffic signal	\$75,000	Signal installed- to be operable by 5/30/08
Orange	41966	I-85/I-40 Weigh Station	Mill and pave lanes of I-40 WB/ I-85 SB at the Orange County Weigh Station near Efland.	\$100,000	APAC-Atlantic, Thompson Arthur Div.; Avail. 3/17/08 Compl. 5/30/08
Orange	42037	SR 1939 (Damascus Ch. Rd.) 0.8 mi. west of SR 1919 (Smith Level Rd.)	Install guardrail at Pipe# 89	\$17,000	Req. by OWASA; District POC
Orange	42038	SR 1005 (Greensboro - Chapel Hill Rd.) approx. 1.6 mi. west of SR 1942 (Jones Ferry Rd.)	Install guardrail at Bridge# 85	\$11,000	Req. by OWASA; District POC
Orange	42039	SR 1115 (Bradshaw Quarry Rd. 0.4 mi. west of SR 1114 (Buckhorn Rd.)	Install guardrail at Bridge# 33	\$30,000	Req. by OWASA; District POC

ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC WFO

TC 04/28/08 Attachment 12

Orange	42040	SR 1006 (Orange Grove Rd.) 0.3 mi. south of SR 1177 (Orange Grove-Calvander Rd.)	Install guardrail at the culvert	\$24,000	Req. by OWASA; District POC
Orange	7CR.10681.14 7CR.20681.14 7C.068081	4 sections of NC 54 and ramps and 5 sections of secondary roads	Milling, resurfacing, pavement markings, and shoulder reconstruction		S.T. Wooten Corp.; to begin 7/1/08 ICD 8/8/08 Compl. 10/31/08; FA patching underway
Orange	SF-4907 B 41699.1	US 70 (Hillsborough Rd.) and NC 751 near Durham	Install a right turn lane for traffic travelling east on US 70 and turning right onto NC 751	\$35,000 PE	Design=90% compl.; to R/W 6/20/08
Orange	SF-4907 C 41698.1	NC 57@ NC157 near Hillsborough	Install center traffic islands with stop signs on NC 157	\$7,000 PE	Design=90% compl.; to R/W 6/20/08
Orange	SS-4907E 41026.3	NC 54 @ SR 1952 (White Cross Road)	Construct a left turn lane	\$173,000.00	APAC-Atlantic, Thompson Arthur Div.; to begin 5/5/08 Compl. 6/27/08
Orange	SS-4907 J 41634.3	NC 54 and SR 1945 (Neville Rd.)	Construct a left turn lane	\$187,000.00	Bids open 5/12/08 Avail 6/2/08 Compl. 8/8/08
Orange	U-4008 35009.3.2	US 15-501 & SR 1734 (Erwin Rd.)	Grading, drainage, paving and intersection improvements (Super Street)	\$4.98 million	98% complete; open to traffic 1/8/08; Rev. compl 5/30/08
NCDOT PROJECTS CURRENTLY IN 12 MONTH LETTING LIST					
County	TIP #	Route	Location Description	TIP Est.	Est. Let Date
Orange	I-4716	I-40	Grind and reseal joints on I-40 from I-85 to Durham Co.	\$1.5 million to be revised	Jan. 20, 2009
Orange	B-4218	SR 1730 (Turkey Farm Rd.)	Replace Bridge # 108 over New Hope Creek	\$675,000.00	July 15, 2008
Orange	B-4592	SR 1561 (Lawrence Rd.)	Replace Bridge # 64 over the Eno River	\$1.6 million	Jan. 20, 2009
Orange	R-4468	I-85/I-40 Weigh Station	Upgrade weigh in motion technology on SBL/WBL	\$1.0 million	June 16, 2008