

**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**

**June 24, 2009  
9:00 a.m.**

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

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

**ACTION ITEMS**

**4. Approval of May 27, 2009 TCC Meeting Minutes  
(Attachment 4)**

A copy of the May 27, 2009 minutes is enclosed as Attachment 4.

**TCC Action:** Approve minutes of the May 27, 2009 TCC meeting.

**5. American Recovery and Reinvestment Act of 2009  
(Attachment 5, 5A)**

**Ellen Beckmann, LPA Staff**

President Obama signed the American Recovery and Reinvestment Act (ARRA) of 2009 on February 17, 2009. The legislation provides funding for transportation projects including highways, transit, rail, airports, enhancements, etc. The funding is up to 100 percent federal with no local match requirements. Attachment 5 is a memo on the American Recovery and Reinvestment Act of 2009. The funds are provided through existing funding programs such as Surface Transportation Program (STP), Surface Transportation Program Direct Attributable (STPDA), and the Section 5307 transit program.

In March, the DCHC MPO approved a resolution adopting an administrative modification to the 2009-2015 Metropolitan Transportation Improvement Program to include the first wave of STP ARRA projects. In April, the DCHC MPO approved a resolution adopting an administrative modification to the 2009-2015 Metropolitan Transportation Improvement Program to include the second wave of STP, STPDA, and Section 5307 ARRA projects.

Attachment 5A is a set of tables displaying projects that the TAC approved for the STP, STPDA, and Section 5307 ARRA funds. This table also includes the implementation milestones that will be tracked for STPDA and Section 5307 ARRA projects. Local governments are required to

approve the municipal agreements by July 1, 2009.

**TCC Action:** Receive update on ARRA projects.

#### **6. Comprehensive Transportation Plan (CTP)**

**(Attachment 6)**

**Andy Henry, LPA Staff**

**Scott Walston, NCDOT Transportation Planning Branch**

The Federal Highway Administration (FHWA) approved the DCHC MPO/CAMPO 2035 Long Range Transportation Plan (LRTP), thus completing the development process for the LRTP. The State of North Carolina requires the development of a Comprehensive Transportation Plan (CTP) to replace the thoroughfare plans that were previously used. The Durham County Thoroughfare Plan is extremely dated (approved in 1991) and the Orange County Thoroughfare Plan was developed in 1990 and never approved. The LPA recommends an immediate effort to develop and approve the CTP for the DCHC MPO.

Orange County has begun the process to develop a CTP and the LPA has worked with their CTP planning group to coordinate the CTP efforts of the DCHC MPO and Orange County. Attachment 6 is a draft of the Task and Timeline for the MPO's CTP.

**TCC Action:** Provide comments on CTP tasks and timeline, and make recommendation to the TAC.

#### **7. 2011-2017 Transportation Improvement Program – Regional Priority List**

**(Attachment 7, 7A)**

**Ellen Beckmann, LPA Staff**

The DCHC MPO approved its FY 2011-2017 Transportation Improvement Program (TIP) Regional Priority List on February 11, 2009. This list consisted of three separate top priority lists by county/division (Attachment 7A). NCDOT recently announced a revised process for submitting MPO and RPO regional priority lists and held a workshop on June 17, 2009. Attachment 7 is a handout of NCDOT's presentation from this meeting describing the new process. The MPO will need to submit one MPO-wide list of its top 25 highway projects by October 2, 2009. NCDOT will use a quantitative ranking methodology to prioritize these projects. The MPO will also submit non-highway projects, but NCDOT has not yet developed a ranking methodology for these other modes. NCDOT will use the priority lists to develop the draft STIP which is scheduled to be released in September 2010.

**TCC Action:** Discuss the process for developing one MPO-wide Regional Priority List

#### **8. FY 2013-2017 Congestion Mitigation Air Quality Call for Projects**

**(Attachment 8)**

**Ellen Beckmann, LPA Staff**

In November 2008, the North Carolina Department of Transportation (NCDOT) announced a revised process for the selection of CMAQ projects. They also set schedules and deadlines for three CMAQ project selection processes. One of those processes was the selection of projects for FY 2013 through 2017 CMAQ funding for the FY 2011-2017 Transportation Improvement

Program (TIP). The NCDOT has requested that MPOs and RPOs submit project proposals by September 4, 2009. The DCHC MPO has approximately \$8,145,728 of CMAQ funding available for FY 2013 through 2017. Attachment 8 is a memo from NCDOT on the selection process. Please note that all projects must be at least \$100,000.

A schedule for the call for projects is as follows:

Action	Date
TCC opens call for projects	5/27/09
TAC update	6/10/09
Project proposals are due to DCHC MPO	6/24/09
Applications are emailed to TCC for review	6/25/09
TCC subcommittee meets to review projects and make a recommendation	7/1/09
TCC reviews subcommittee recommendation	7/22/09
TAC approves project proposals	8/12/09
LPA submits projects to NCDOT	Late August
NCDOT deadline for project proposals	9/4/09

A TIP Subcommittee meeting needs to be scheduled to review the applications. LPA staff suggest meeting on Wednesday, July 1, 2009.

**TCC Action:** Receive update on CMAQ Call for Projects. Schedule TIP Subcommittee meeting.

**9. U-2803 Smith Level Road**  
**(Attachment 9 to be provided at the meeting)**  
**Trish McGuire, Town of Carrboro**

NCDOT presented a proposed design for TIP project, U-2803 Smith Level Road, to the Carrboro Board of Aldermen in April. This design was rejected by the Board of Aldermen. NCDOT proposed three options for the Town in response to the Town's position. The Board of Aldermen reviewed these options at their June 2, 2009, meeting. Attachment 9 is the Town's response to NCDOT.

**TCC Action:** Receive update on Smith Level Road. Discuss MPO response.

**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**

**Adjourn**

**Next meeting: July 22, 2009**

**TECHNICAL COORDINATING COMMITTEE**

**May 27, 2009**

**MINUTES OF MEETING**

The Technical Coordinating Committee met on May 27, 2009 at 9:00 a.m. in the Transportation Conference Room on the fourth floor of Durham City Hall. The following attended:

- 6 \*Mark Ahrendsen City of Durham/Transportation (TCC Chair)
- 7 \*David Bonk Town of Chapel Hill (TCC Vice-Chair)
- 8 ^Aaron Cain Durham City/County Planning
- 9 \*Andy Henry City of Durham/Transportation
- 10 \*John Hodges-Copple Triangle J COG
- 11 \*Joey Hopkins NCDOT – Division 5 Engineer
- 12 \*Ben Howell Chatham County
- 13 \*Karen Lincoln Orange County
- 14 \*Adena Messinger Town of Carrboro
- 15 \* Ryan Mickles Town of Chapel Hill
- 16 \*Kumar Neppalli Town of Chapel Hill
- 17 \*Felix Nwoko City of Durham/Transportation
- 18 \*Pierre Osei-Owusu City of Durham/DATA
- 19 \*Jonathan Parker Triangle Transit
- 20 \*Ed Venable City of Durham-Engineering
- 21 \*Patrick Wilson NCDOT – Division 7 Engineer
- 22
- 23 Ellen Beckmann City of Durham/Transportation
- 24 Maricia Brown City of Durham/Transportation
- 25 Leta Huntsinger City of Durham/Transportation
- 26 Howard Kimbrell Jordan Jones & Goulding
- 27 Marta Matthews NCDOT – Local Programs Management Office
- 28 Dale McKeel City of Durham/Transportation

- 30 \*Voting Member
- 31 ^Temporary Non-voting Member
- 32 Quorum Count: 15 of 22 Voting Members Present

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

Mark Ahrendsen, TCC Chair called the meeting to order at 9:04 a.m.

**PRELIMINARIES:**

**Adjustments to the Agenda**

41 Mark Ahrendsen provided an introduction for Maricia Brown, a new City of Durham-  
42 Transportation Division staff member. Ms. Brown will be handling the grant administration and financial  
43 matters. Mark Ahrendsen also noted that Adena Messinger will be relocating to Illinois. This is her last  
44 meeting with the TCC, and Trish McGuire will now be Carrboro's TCC member.

45 Ellen Beckmann stated that a letter from NCDOT was distributed at the beginning of the meeting  
46 regarding the Yadkin River Bridge Replacement. This item will be discussed later in the meeting.

47 **Public Comments**

48 There were no public comments.

49 **ACTION ITEMS:**

50 **Approval of the April 22, 2009 TCC Meeting Minutes (Attachment 4)**

51 A motion was made by Ben Howell and seconded by Pierre Osei-Owusu to approve the April 22,  
52 2009 TCC Meeting Minutes. The motion carried unanimously.

53 **American Recovery and Reinvestment Act of 2009 (Attachments 5 and 5A)**

54 Ellen Beckmann provided an update on the American Recovery and Reinvestment Act of 2009,  
55 along with the attachments.

56 Ellen Beckmann stated that the TIP amendment process is nearly complete and there are no  
57 more confirmed projects from the State. The FTA has received our MPO's TIGGER application. Pierre  
58 Osei-Owusu stated that the FTA may allow operating expenses for ARRA funding.

59 David Bonk stated that the Town of Chapel Hill has several ARRA projects which are scalable and  
60 involve multiple phases so they have the ability to either add or reduce the scope. Some of the projects  
61 are not, and the estimated costs may be higher than anticipated. Mr. Bonk asked if the Town can add  
62 municipal funds to meet the budget. Marta Matthews stated that a supplemental agreement could be  
63 done to move the funds between projects. However, this needs to be executed by January 1, 2010.

64 Marta Matthews stated that once the NCDOT receives the project information data sheets, they  
65 will try to get the agreements out within two weeks. In regards to the preliminary engineering and right  
66 of way costs, the agreement must be executed before any costs are incurred. As a result, getting  
67 reimbursed for preliminary engineering may delay projects. Ellen Beckmann reminded everyone that  
68 the TIP does not include right-of-way costs for any of the DCHC MPO's projects.

69 Joe Hopkins suggested contacting Mark Hellman at (919) 220-4702 for Division 5 right-of-way  
70 certification questions. Mr. Hopkins also stated staff needs to talk to Mark Hellmann regarding the trails  
71 and greenways.

72 Martha Matthews stated they need to get the project number before getting the agreement.

73 Karen Lincoln asked about Orange County's STPDA project for the purchase of light transit  
74 vehicles for Orange Public Transit. NCDOT has recommended that these funds not be flexed to FTA and  
75 that Orange County will need a municipal agreement for this project.

76 David Bonk asked if they can submit projects for review now. Martha Matthews stated yes and  
77 that this would be helpful, especially for greenways. Sidewalk projects will be reviewed by NCDOT  
78 Division Engineers Mike Kneiss, John Hunsinger, and Alison Whitesell.

79 Joey Hopkins stated staff needs to alert the Division that it is a project using stimulus funds to  
80 ensure that the review is completed promptly. Mr. Hopkins stated they won't know about resurfacing  
81 projects until late fall, depending on fund availability.

82 Mark Ahrendsen stated if project bids come in low, we can use funds for resurfacing projects.

83 Adena Messinger stated that Trish McGuire and the Public Works Department will be managing  
84 the Town of Carrboro's projects due to Ms. Messinger leaving. Trisha McGuire will be the contact for  
85 the Town of Carrboro.

86 Ellen Beckmann stated that, for the City of Durham, the Lyon Park sidewalk and greenways  
87 project was removed and the traffic signals on Northpointe Drive and the American Tobacco Trail

88 crossing of Renaissance Parkway were added. It is a pedestrian activated signal so it is listed under U-  
89 4726. Joey Hopkins requested that the LPA send this information to NCDOT.

90 **Congestion Mitigation Air Quality (Attachment 6)**

91 Ellen Beckmann provided an update on the Congestion Mitigation Air Quality FY 2013-2017 Call  
92 for Projects, along with the attachment.

93 Jurisdictions must submit their projects no later than June 24, 2009, the next TCC meeting, in  
94 order for the TCC to be able review them by the deadline. The application is the same as last time. An  
95 air quality emissions estimation must be done. Ellen Beckmann will send an email explaining how to  
96 calculate the air quality emissions if anyone needs it.

97 The DCHC MPO has about \$8 million available for FY 2013-2017. We have allocated all the  
98 funding up to 2012. Pierre Osei-Owusu asked if it can be used for transit, and Ellen Beckmann stated it  
99 could be used for transit. However, it is not set aside specifically for transit. Last time we allocated  
100 funds, we gave priority to transit projects because it was easier to calculate emissions for transit  
101 projects.

102 Jonathan Parker asked if there was a MPO or a TCC internal process to evaluate the projects.  
103 Ellen Beckmann stated there is not a formal evaluation process. The TCC Subcommittee will review all  
104 applications and make a recommendation to the TCC. The TAC will be asked to approve projects in  
105 August. NCDOT has asked for applications by September 4, 2009.

106 Pierre Osei-Owusu and Andy Henry are concerned about only having one TAC meeting prior to  
107 the deadline.

108 **U-2803 Smith Level Road**

109 Adena Messinger provided an update on the U-2803 Smith Level Road project. NCDOT gave the  
110 Town of Carrboro three choices: (1) accept the design; (2) submit it as bicycle/pedestrian project for the  
111 next TIP; and (3) NCDOT will build a smaller project and the Town of Carrboro will take over the

112 maintenance for this section of the road. The Board of Aldermen will consider these options on June 2,  
113 2009.

114 David Bonk asked if there is a guarantee of funds for a bicycle/pedestrian project, and Adena  
115 Messinger stated there was no commitment of funding. David Bonk brought up the issue of who  
116 controls the funds, the state or the MPO. Adena Messinger stated if it is STP funds, it could be used for  
117 a bicycle/pedestrian project, but if it is state highway funds, there is no flexibility.

118 Felix Nwoko stated that, at our last MPO certification review, FHWA said the MPO should have  
119 freedom to reallocate funds within the MPO. We should be able to reprogram TIP funds.

#### 120 **Yadkin River Bridge Replacement**

121 Mark Ahrendsen stated the NCDOT is asking for a letter of support for their application for ARRA  
122 TIGER discretionary grant funds for the I-85 Yadkin River Bridge Replacement.

123 Mark Ahrendsen asked if TIGER grants are subject to the equity formula, and Joey Hopkins  
124 stated it is not because it is a competitive grant. David Bonk suggested waiting until closer to the  
125 application deadline because we may have an MPO project which may have a higher priority. Joey  
126 Hopkins stated he is concerned that if for some reason we don't support it, the General Assembly may  
127 decide to exempt this project from the equity formula due to its cost anyway. This could end up hurting  
128 the MPO and Division's share of funding. David Bonk asked for clarification as to why the NCDOT has  
129 asked for a letter of support now.

130 Jonathan Parker stated that Charlotte is submitting a project for commuter rail. Dale McKeel  
131 asked if these projects have to be "shovel ready." They need to be ready by 2012 per Joey Hopkins.

132 David Bonk requested information on the timeline for endorsement before the TAC meeting.  
133 Mark Ahrendsen stated that perhaps the TCC could provide conditional support dependent on other  
134 MPO priorities. Ellen Beckmann will look into the deadline. Unless there is a compelling reason why  
135 NCDOT needs the MPO's endorsement now, this item will be placed on the TAC agenda for August.

136 Staff will notify TAC members that the TCC is generally supportive, but may also be submitting MPO  
137 applications that should also be considered.

138 **Reports from Staff:**

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

140 The report from staff is attached for review. The NC-54 study contract was approved by Durham  
141 City Council last Monday night. The contract is currently being routed for signature. Data will begin to  
142 be collected after school is in session.

143 **Report from the Chair**

144 There was no report from the TCC Chair.

145 **NCDOT Report (Attachment 10)**

146 Joey Hopkins, NCDOT Division 5 Engineer, stated bids are coming in below the preliminary  
147 estimates on projects. The resurfacing project in Durham will be going out for bid soon.

148 Patrick Wilson, NCDOT Division 7 Engineer, stated their bids are also coming in below the  
149 preliminary estimates on projects.

150 **Adjournment**

151 There being no further business before the Technical Coordinating Committee, the meeting was  
152 adjourned at 10:15 a.m.

**MEMORANDUM**

**TO:** Technical Coordinating Committee  
DCHC MPO

**FROM:** DCHC MPO Lead Planning Agency

**DATE:** June 10, 2009

**SUBJECT:** American Recovery and Reinvestment Act of 2009

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President Obama signed the American Recovery and Reinvestment Act (ARRA) of 2009 on February 17, 2009. The legislation provides funding for transportation projects including highways, transit, rail, airports, enhancements, etc. The transportation funds are being distributed through the agencies within the U.S. Department of Transportation.

**TIP Administrative Modification**

The TAC approved FY 2009-2015 Metropolitan Transportation Improvement Program (MTIP) Administrative Modification #3 on March 11, 2009 and Administrative Modification #5 on April 8, 2009. These two modifications added the first and second waves of ARRA funded projects to the TIP. These projects were funded using the ARRA funding provided through the Surface Transportation Program, Surface Transportation Program Direct Allocation, and Section 5307/5340 transit program. The State Board of Transportation has approved similar STIP modifications.

**ARRA STP, STPDA, and 5307 Projects**

On April 17, 2009 and June 10, 2009, Governor Beverly Perdue made announcements of confirmed ARRA-funded highway and transit projects. The Governor is only announcing projects when they are fully certified (meaning they are in the MTIP/STIP, right-of-way is certified, design is complete, etc.) so several of the MPO's approved projects were not included in this announcement. These projects will be announced once they have been fully certified. The table of ARRA funded projects was also sent out with this memo. The first page lists the ARRA STP projects that have both been confirmed by the Governor and are in the MTIP/STIP. The second page lists the ARRA STP projects that have been requested by the MPO and are not yet confirmed by the Governor. NCDOT is funding several of these projects, and LPA staff expects them to be confirmed soon. The following pages list the STPDA, Section 5307, and contingency projects.

A few minor changes are included in the table to reflect revised project estimates. Some cost estimates for Durham trail projects have been revised since the May TAC meeting. To better utilize the funds, some of these projects have been moved between the City of Durham and Durham County. The net effect is that one additional traffic signal can be funded, the Northpointe Drive and Home Depot traffic signal, and one additional trail project can be funded,

the installation of a traffic signal at the American Tobacco Trail crossing of Renaissance Parkway. No TIP amendment is necessary for these new projects since the Northpointe signal was already included as a contingency project and since the trail signal can be included in an existing TIP project. In addition, the funding for U-5146, Durham traffic signal upgrades, was increased to use up all remaining Durham funding. The scope of this project can vary based on the funding available.

The Town of Chapel Hill has cancelled a project to install bus priority signalization as part of the signal system upgrade project. The Town has reassigned the funding for this project to two existing projects: pedestrian safety improvements on Martin Luther King Boulevard and sidewalk construction on Fordham Boulevard. No TIP amendment is necessary for the additional funding for these projects.

**ARRA TIGGER Funding**

The Federal Transit Administration is administering a \$100 million discretionary grant program called Transit Investments for Greenhouse Gas and Energy Reduction (TIGGER) through the ARRA. The DCHC MPO’s transit operators developed a joint application for these funds described in the following table. The minimum grant award is \$2 million and the deadline for applying was May 22, 2009. If a grant is approved, the DCHC MPO will need to amend the MTIP to include these projects.

<b>Operator</b>	<b>Description</b>	<b>Unit Cost</b>	<b>Total Cost</b>
DATA	5 hybrid electric gasoline light transit vehicles	\$120,000 each	\$600,000
CHT	6 40’ hybrid electric buses	\$543,600 each	\$3,261,600
CHT	5 hybrid electric gasoline support vehicles	\$29,500 each	\$147,500
TTA	3 propane light transit vehicles	\$96,000 each	\$288,000
TTA	1 propane truck	\$45,500 each	\$45,500
		<b>TOTAL</b>	<b>\$4,342,600</b>

**ARRA TIGER Funding**

The Federal Highway Administration is administering a \$1.5 billion discretionary grant program called Transportation Investments Generating Economic Recovery (TIGER) through the ARRA. Eligible applicants include both state and local governments. Eligible projects include capital investments in: (1) highway or bridge projects; (2) public transportation projects; (3) passenger and freight rail transportation projects; and (4) port infrastructure investments, including projects that connect ports to other modes of transportation and improve the efficiency of freight movement. The grants can range from \$20 million to \$300 million. However, FHWA will consider waiving the minimum grant size requirement. A maximum of 20 percent of the funding, or \$300 million, can go to projects in any one state. The deadline is September 15, 2009. Unlike other ARRA funding sources, these TIGER grants are not subject to North Carolina’s equity formula for distribution of transportation funding. The TAC may be asked to endorse TIGER applications at the August TAC meeting.

## **ARRA High Speed Rail Funding**

The Federal Rail Administration is administering a \$8 billion discretionary grant program to provide capital assistance for high speed rail corridors and intercity passenger rail corridors. The NCDOT is planning to submit grant applications for the southeast high speed rail corridor from Charlotte through the Triad, Triangle, and north to Richmond, VA and Washington D.C. The section from Richmond to Raleigh has a completed tier II environmental impact statement for a project that would provide a fully-grade separated track that can accommodate trains up to 110 miles per hour. A parallel multi-use trail is also being studied for this section. The section from Raleigh to Charlotte follows the North Carolina Railroad corridor and would include a stop at the current Durham station. The TAC may be asked to endorse the NCDOT's application at the August TAC meeting.

## **Implementation and Tracking of Projects**

The NCDOT will be managing the ARRA STP projects, local governments will be implementing the ARRA STPDA projects, and transit agencies will be implementing the ARRA Section 5307/5340 projects. The DCHC MPO will be closely monitoring and tracking the implementation of the STPDA and Section 5307/5340 projects.

The following steps will need to be taken to implement projects. All of these steps do not apply to every project. Some of these steps are already completed for many projects.

<b>July 1, 2009 (local approval)</b>	Step 1 – Agreement Preparation and Execution
	Step 2 – Preliminary Engineering Authorization
	Step 3 – Scoping Meeting
	Step 4 – Procuring Professional Services
	Step 5 – Environmental Documentation
	Step 6 – Design
	Step 7 – Right-Of-Way Certification
	Step 7a – Right-Of-Way Acquisition
<b>September 1, 2009</b>	<b>Submit all documentation to NCDOT</b>
<b>October 1, 2009</b>	Step 8 – Construction Authorization
<b>January 1, 2010</b>	Step 9 – Procuring Construction Services
	Step 9a – Force Account
	Step 10 – Construction Administration
	Step 11 – Close Out
	Step 12 – Final Audit

The MPO's deadline for local approval of agreements for STPDA projects is July 1, 2009. If this deadline is not met, the TCC/TAC will consider replacing the STPDA projects with contingency projects. TAC would need to amend the MTIP in August to replace projects. City of Durham and Chatham County have reported to the MPO that their municipal agreements have been approved by their elected boards.

The table of ARRA funded projects sent out with this memo includes implementation milestones. All local governments expect to complete many of the implementation milestones this summer.

## Schedule

Action	Date
TCC discuss process for ARRA funding TCC recommendation for MTIP administrative modification for first wave of stimulus projects	February 25, 2009
TCC subcommittee meetings and meetings with NCDOT staff on potential projects	February-March
TAC discuss process for ARRA funding TAC approval of MTIP administrative modification #3 for first wave of stimulus projects TAC approval of Section 5307/5340 funding split.	March 11, 2009
TCC recommendation for Section 5307/5340 projects. TCC recommendation for STPDA projects. TCC recommendation for 2009-2015 MTIP administrative modification #5 for second wave of stimulus projects, STPDA projects, and Section 5307/5340 projects (and contingency projects).	March 25, 2009
TAC approval of 2009-2015 MTIP administrative modification #5. TAC approval of transfer of STPDA funds to FTA (if needed).	April 8, 2009
ARRA TIGGER applications due	May 22, 2009
<b>50% of STP funds must be obligated</b>	<b>June 30, 2009</b>
<b>Applications for Section 5307/5340 grants must be submitted</b> <b>Agreements for STPDA projects must be approved by local governments</b>	<b>July 1, 2009</b>
TCC update on project status. TCC recommendation for contingency projects (if needed).	July 22, 2009
TAC action on contingency projects (if needed).	August 12, 2009
<b>50% of Section 5307/5340 funds must be obligated</b>	<b>September 1, 2009</b>
Local governments submit STPDA project information to NCDOT	September 1, 2009
Final opportunity for TAC action on contingency projects (if needed).	September 9, 2009
ARRA TIGGER applications due	September 15, 2009
<b>Highway/Bicycle/Pedestrian projects – construction authorization</b>	<b>October 1, 2009</b>
<b>Transit projects - grant awarded in FTA system</b> <b>Highway/Bicycle/Pedestrian projects – project let</b>	<b>January 1, 2010</b>
<b>100% of all STP and STPDA funds must be obligated</b>	<b>March 2, 2010</b>
<b>100% of all Section 5307/5340 funds must be obligated</b>	<b>March 5, 2010</b>
Unobligated funds are redistributed to states	March 2010

American Recovery and Reinvestment Act  
Confirmed STP - Funded - Managed by NCDOT

TIP #	Location	Description	Confirmed By Governor, STIP Status	Construction Authorization	Procuring Construction Services	Total ARRA STP	Other Funding	Total Project Funds
		<b>DIVISION 5</b>						
I-5116	Durham Wake - I-540	I-40 to US 70 (4.00 miles) Mill, Resurface	Confirmed 2/09, STIP 3/09	Complete	Contract awarded 5/29/09	\$2,569,522		\$2,569,522
U-5122	Durham - NC 98	SR 1838 (Junction Road) to SR 1811 (Sherron Road) (3.80 miles) Mill, Resurface	Confirmed 2/09, STIP 3/09			\$1,500,000		\$1,500,000
R-5135	Durham - SR 1004 (Old Oxford Road)	US 501 Business (N. Roxboro Street) to Granville County Line (10.10 miles) Mill, Resurface	Confirmed 2/09, STIP 3/09			\$2,450,000		\$2,450,000
U-5127	Durham - SR 1321 (Hilldandale/Fulton)	I-85 to SR 1320 (Erwin Road) (1.32 miles) Mill, Resurface	Confirmed 2/09, STIP 4/09			\$350,000		\$350,000
U-5124	Durham - SR 1978 (Old Page Road)	SR 1926 (Angier Avenue) to SR 2095 (Page Road Extension) (0.99 miles) Mill, Resurface	Confirmed 2/09, STIP 4/09			\$150,000		\$150,000
U-5126	Durham - US 501 Bypass (Duke Street)	SR 1443 (Horton Road) to Hudson Street (1.90 miles) Mill, Resurface	Confirmed 2/09, STIP 4/09			\$900,000		\$900,000
R-2000AF	Durham - I-540 and I-40	Interchange improvements	Confirmed 4/09, in STIP			\$5,700,000		\$5,700,000
		Total				\$13,619,522		
		<b>DIVISION 7</b>						
U-4704	Chapel Hill Durham Orange	Signal System Upgrade	Confirmed 4/09, in STIP			\$5,250,000		\$5,250,000
U-3100B	Carrboro	SR 1107 (Old Fayetteville Road), NC 54 to SR 1106 (Stroud Lane), Provide bicycle and pedestrian facilities, and transit accommodations	Confirmed 4/09, STIP 5/09			\$1,800,000		\$1,800,000
R-5178	Orange - NC 57	NC 86 to SR 1544 (Pearson Road) Widen 2-foot paved shoulders and resurface	Confirmed 5/09			\$2,000,000		\$2,000,000
		Total				\$9,050,000		
		<b>DIVISION 8</b>						
SF-4908I	Chatham - NC 751 and SR 1731 (O'Kelly Chapel Road)	Install signal and left-turn lanes	Confirmed 4/09, in STIP			\$486,000		\$486,000
		Total				\$486,000		

American Recovery and Reinvestment Act  
STP Request Table - Unfunded - Managed by NCDOT

TIP #	Location	Description	Confirmed By Governor, STIP Status	Construction Authorization 10/1/2009	Procuring Construction Services 1/1/2010	Total ARRA STP	Other Funding	Total Project Funds
		<b>DIVISION 5</b>						
U-5142	Durham	Installation of LED Traffic Signals on the City-maintained system (cost proposed to be shared by the State and City)	\$805,000 in 5/09 STIP addition			\$676,544	\$128,866	\$805,410
U-5143	Durham - NC 55 and SR 1171 (Riddle Road)	Installation of turn lanes	\$310,000 in 5/09 STIP addition			\$310,000		\$310,000
U-5164	Durham	Resurfacing, multiple locations	\$3,000,000 in 5/09 STIP addition			\$7,097,000		\$7,097,000
U-5146	Durham	Traffic signal upgrades on the City-maintained system (cost proposed to be shared by the State and City)	\$350,000 in 5/09 STIP addition			\$304,950	\$179,918	\$484,868
X-XXXX	Durham - SR 1670 (Geer Street) and SR 1357 (Avondale Drive)	Installation of roundabout				\$570,000		\$570,000
U-5147	Durham	ITS - installation of cameras at 11 locations	\$275,000 in 5/09 STIP addition			\$275,000		\$275,000
		Total				\$9,233,494		
		<b>DIVISION 7</b>						
X-XXXX	Chapel Hill	Improvements to South Columbia St between Cameron Ave and Franklin St (NC 86 Route)				\$250,000		\$250,000
U-4726	Chapel Hill	Install ADA Ramps to conform to the revised ADA standards				\$150,000		\$150,000
X-XXXX	Chapel Hill	Replace deteriorated curb/gutter at several locations on State roads; Franklin St, Raleigh Rd, South Rd, NC 86				\$100,000		\$100,000
X-XXXX	Chapel Hill	Bus stop and street improvements on Raleigh Rd (NC 54), South Rd, and Pittsboro St (NC 86)				\$82,000		\$82,000
X-XXXX	Orange	Resurfacing, multiple locations				\$2,935,000		\$2,935,000
B-5191	Orange	Bridge expansion joint repairs	\$160,000 in 5/09 STIP addition			\$160,000		\$160,000
		Total				\$3,677,000		
		<b>DIVISION 8</b>						
		Total				\$0		

American Recovery and Reinvestment Act  
STP Request Table - Unfunded - Managed by NCDOT

Durham Resurfacing List

TIP #	Location	Description	Confirmed In STIP	Construction Authorization 10/1/2009	Procuring Construction Services 1/1/2010	Total Federal	Other Funding	Total Project Funds
	US 15-501 Business South (Mangum Street)	Milling and Resurfacing, Lakewood to Roxboro				\$480,000		
	US 15-501 Business North (Roxboro Street)	Milling and Resurfacing, Lakewood to I-85				\$560,000		
	SR 1127 (West Chapel Hill Street)	Milling and Resurfacing, Great Jones to Kent				\$160,000		
	US 15-501 Business (Lakewood Ave / University Drive)	Milling and Resurfacing, Roxboro to Academy				\$550,000		
	NC 55 (Avondale Drive)	Resurfacing, I-85 to Geer Street				\$150,000		
	US 70 Business (Main Street)	Milling and Resurfacing, Erwin/9th Street to Morgan St.				\$215,000		
	SR 2028 (T.W. Alexander Drive)	Milling and Resurfacing, NC 54 to Cornwallis Rd				\$235,000		
	SR 2295 (Archdale / S. Roxboro)	Milling and Resurfacing, MLK Jr Parkway to Summit St.				\$310,000		
	SR 1959 (South Miami Blvd.)	Milling and Resurfacing, NC 54 to Cornwallis Rd.				\$623,000		
	SR 1404 (Rose of Sharon Rd.)	Milling and Resurfacing, Cole Mill Rd. to Guess Rd.				\$380,000		
	SR 1615 (Quail Roost Rd.)	Milling and Resurfacing, Bahama Rd. to US 501				\$372,000		
	SR 1815 (Stagville Rd.)	Milling and Resurfacing, Old Oxford Hwy. to Bahama Rd.				\$567,000		
	SR 1928 (Angier Ave.)	Milling and Resurfacing, Pleasant Dr. to US 70				\$545,000		
	SR 1118 (Fayetteville Rd.)	Milling and Resurfacing, NC 751 to Herndon Rd.				\$419,000		
	SR 1407 (Carver St.)	Milling and Resurfacing, Rose of Sharon Rd. to N. Roxboro St.				\$516,000		
	SR 1380 (Morgan St.)	Milling and Resurfacing, Mangum St. to Foster St.				\$60,000		
	NC 98 (Holloway St.)	Milling and Resurfacing, Miami Blvd. to N. Roxboro St.				\$280,000		
	SR 1670 (Geer St.)	Milling and Resurfacing, Mangum St. to Cheek Rd.				\$175,000		
	SR 1945 (Alston Ave.)	Milling and Resurfacing, NC 55 to Cornwallis Rd.				\$500,000		
						\$7,097,000		

Orange Resurfacing List

TIP #	Location	Description	Confirmed In STIP	Construction Authorization 10/1/2009	Procuring Construction Services 1/1/2010	Total Federal	Other Funding	Total Project Funds
	Orange	Resurfacing NC 86 (US 70 Business to Whitfield Road)				\$2,393,000		\$2,393,000
	Orange	Resurfacing NC 86 (US 70 Bypass to Coleman Loop)				\$542,000		\$542,000
						\$2,935,000		

American Recovery and Reinvestment Act  
STPDA Table - Funded - Managed Locally

TIP #	Location	Description	1. Agreement Executed Locally 7/1/2009	1. Agreement Executed by NCDOT	2. Preliminary Engineering Authorization	3. Scoping Meeting	4. Procuring Professional Services	5. Environmental Documentation	6. Design	7. Right-of-Way Certification	8. Construction Authorization 10/1/2009	9. Procuring Construction Services 1/1/2010	ARRA STPDA	Other Funding	Total Project Funds
TOTAL AVAILABLE			Type date that step was completed or n/a										\$ 7,889,430		
		<b>CITY OF DURHAM</b>											\$4,309,579		
U-4726	NC 751 (Hope Valley Road)	Sidewalk Construction (NC 54 to Swarthmore)	6/15/2009										\$77,274		\$77,274
U-4726	SR 1116 (Garrett Road)	Sidewalk Construction (NC 751 to Swarthmore)	6/15/2009										\$438,840		\$438,840
U-4726	SR 1666 (Dearborn Drive)	Sidewalk Construction (Old Oxford to Ruth)	6/15/2009										\$388,755		\$388,755
U-4726	SR 1321 (Hilldale Road E/S)	Sidewalk Construction (Cammie to Peppertree)	6/15/2009										\$500,000		\$500,000
U-4726	US 70 Bus (Hillsborough Rd S/S) and Markham Street	Sidewalk Construction (15-501 Bypass to Broad Street)	6/15/2009										\$477,500		\$477,500
U-4726	Washington St W/S	Sidewalk Construction (Trinity to Glendale)	6/15/2009										\$345,000		\$345,000
U-4726	SR 1183 (University Drive N/S)	Sidewalk Construction (Chapel Hill Rd to Chapel Hill Rd)	6/15/2009										\$505,000		\$505,000
U-5142	Durham	Installation of LED Traffic Signals on the City-maintained system (cost proposed to be shared by the State and City) - Managed by NCDOT	n/a										\$128,866	\$676,544	\$805,410
U-5146	Durham	Traffic signal upgrades on the City-maintained system (cost proposed to be shared by the State and City)	6/15/2009										\$179,918		\$179,918
U-5148	Durham - Northpointe Drive	Installation of traffic signal	6/15/2009										\$200,000		\$200,000
U-5149	Durham - Renaissance Parkway	Installation of traffic signal	6/15/2009										\$200,000		\$200,000
U-5150	Durham - William Penn and Ben Franklin	Installation of traffic signal	6/15/2009										\$200,000		\$200,000
U-5151	Durham - Miami Blvd. and Geer St.	Intersection reconstruction	6/15/2009										\$80,000		\$80,000
ER-5100EX	Durham	Duke, Gregson, Rockwood, MLK Urban Forestry and Landscaping	6/15/2009										\$75,900		\$75,900
U-4726	Durham - American Tobacco Trail	Resurfacing from Morehead to Southpoint Crossing	6/15/2009										\$228,450		\$228,450
U-5149	Durham - Renaissance Pkwy	Installation of a traffic signal at American Tobacco Trail crossing	6/15/2009										\$100,000		\$100,000
U-4726	Durham - North-South Trail	Resurfacing the North-South Greenway Trail from Lavender to Murray	6/15/2009										\$128,847		\$128,847
U-4726	Durham - American Tobacco Trail	Resurfacing Riddle Road Spur	6/15/2009										\$55,230		\$55,230
		City of Durham Uncommitted Balance											(\$0)		

American Recovery and Reinvestment Act  
STPDA Table - Funded - Managed Locally

TIP #	Location	Description	1. Agreement Executed Locally 7/1/2009	1. Agreement Executed by NCDOT	2. Preliminary Engineering Authorization	3. Scoping Meeting	4. Procuring Professional Services	5. Environmental Documentation	6. Design	7. Right-of-Way Certification	8. Construction Authorization 10/1/2009	9. Procuring Construction Services 1/1/2010	Total ARRA STPDA	Other Funding	Total Project Funds
		<b>TOWN OF CHAPEL HILL</b>											\$1,171,563		
U-4726	NC 86	Martin Luther King Jr. Blvd: Pedestrian Safety Improvements											\$350,000		\$350,000
U-4704	Signal System	Installation of bicycle detection loops as part of the Signal System Upgrade Project.											\$175,000		\$175,000
U-4726	Chapel Hill	ADA Ramps at selected locations											\$50,000		\$50,000
U-4726	Chapel Hill	Raised Crosswalks/traffic calming											\$50,000		\$50,000
U-4726	US 15-501, NC 54	Sidewalk Construction: Fordham Blvd, Manning Dr. to Old Mason Farm											\$185,000		\$185,000
EL-4601	Chapel Hill	Morgan Creek Greenway, Phase I											\$300,000		\$300,000
U-4726	Chapel Hill	Installation of in-street pedestrian lighting @ three locations											\$61,563		\$61,563
		<i>Town of Chapel Hill Uncommitted Balance</i>											(\$0)		
		<b>TOWN OF CARRBORO</b>											\$403,596		
U-4726	Ashe Street	Sidewalk on one side from Weaver Street to Shelton											\$155,200		\$155,200
U-4726	Bim Street	Sidewalk on one side from Jones Ferry to Fidelity											\$200,100		\$200,100
EL-5103	Carrboro	Bus shelter and shelter materials											\$48,296		\$48,296
		<i>Town of Carrboro Uncommitted Balance</i>											(\$0)		
		<b>TOWN OF HILLSBOROUGH</b>											\$319,459		
U-4726	Hillsborough	Nash Street Sidewalk											\$319,459	\$880,541	\$1,200,000
		<i>Town of Hillsborough Uncommitted Balance</i>											\$0		

American Recovery and Reinvestment Act  
STPDA Table - Funded - Managed Locally

TIP #	Location	Description	1. Agreement Executed Locally 7/1/2009	1. Agreement Executed by NCDOT	2. Preliminary Engineering Authorization	3. Scoping Meeting	4. Procuring Professional Services	5. Environmental Documentation	6. Design	7. Right-of-Way Certification	8. Construction Authorization 10/1/2009	9. Procuring Construction Services 1/1/2010	Total ARRA STPDA	Other Funding	Total Project Funds
<b>DURHAM COUNTY</b>													\$827,321		
U-4726	Durham - Third Fork Creek Trail	Third Fork Creek Trail from Woodcroft Parkway to Garrett Road; Third Fork Creek Trail from MLK to Southern Boundaries Park; Third Fork Creek Trail MLK connector	6/15/2009										\$827,000		\$827,000
		<i>Durham County Uncommitted Balance</i>											\$321		
<b>ORANGE COUNTY</b>													\$612,657		
TA-5117	OPT	Two (2) 28' light transit vehicles w/wheelchair lift: 1 replacement; 1 expansion for CMAQ Project C-4932, service to start Sept. 2009											\$183,200		\$183,200
U-4726	Carrboro-Orange County	Twin Creeks Park Greenway (linear park): 10' multiuse asphalt trail including bridge over Jones Creek											\$429,457	\$470,543	\$900,000
		<i>Orange County Uncommitted Balance</i>											(\$0)		
<b>CHATHAM COUNTY</b>													\$245,255		
U-4726	Chatham - US 15-501	Pedestrian Facilities on East and/or West side of US 15-501 in Cole Park area north to county line - using existing curb and gutter, serving existing commercial and UNC Park and Ride Lot	6/15/2009										\$220,000		\$220,000
U-4726	Chatham - US 15-501	Streetscaping/landscaping along US 15-501	6/15/2009										\$25,255		\$25,255
		<i>Chatham County Uncommitted Balance</i>											\$0		
		Uncommitted Balance											\$320		

**American Recovery and Reinvestment Act  
Section 5307/5340 Table - Funded - Managed by Transit Agencies**

TIP #	Location	Description	Grant filed in TEAM 7/1/2009	Grant approved	Total Federal	Other Funding	Total Project Funds
		<b>TOTAL AVAILABLE</b>			\$ 8,377,719		
		<b>DATA</b>			\$4,257,465		
TG-4738	Durham	FY 2009 Fixed Route Preventative Maintenance	5/19/2009		\$500,000		\$500,000
TR-4931	Durham	FY 2009 Paratransit Preventative Maintenance	5/19/2009		\$500,000		\$500,000
TG-4738	Durham	FY 2010 Fixed Route Preventative Maintenance	5/19/2009		\$500,000		\$500,000
TR-4931	Durham	FY 2010 Paratransit Preventative Maintenance	5/19/2009		\$500,000		\$500,000
TA-5019	Durham	15 Paratransit Replacement Vans	5/19/2009		\$707,790		\$707,790
TA-5108	Durham	9 Paratransit Expansion Vans	5/19/2009		\$424,675		\$424,675
TT-4911	Durham	Logistical Enhancement - Real Time Bus Arrival/AVL/GPS for all vehicles	5/19/2009		\$600,000		\$600,000
TG-4958	Durham	Passenger Amenities - 20 Bus Shelters, 20 Solar Lights, 20 Benches and Trashcans	5/19/2009		\$230,000		\$230,000
TG-4738	Durham	30 Bus Repaint@7,850k each	5/19/2009		\$235,000		\$235,000
TG-4958	Durham	1,200 Sq. ft Storage Shed for Passenger Amenities	5/19/2009		\$60,000		\$60,000
		<i>DATA Uncommitted Balance</i>			\$0		
		<b>CHT</b>			\$2,714,867		
TA-4748	Chapel Hill	8 Paratransit Replacement Vans	5/4/2009		\$520,000		\$520,000
TA-4726	Chapel Hill	2 Hybrid Replacement Buses	5/4/2009		\$1,072,851		\$1,072,851
TG-4731	Chapel Hill	FY 2009 Preventative Maintenance	5/4/2009		\$500,000		\$500,000
TG-4731	Chapel Hill	FY 2010 Preventative Maintenance	5/4/2009		\$500,000		\$500,000
TG-4732	Chapel Hill	1 Service Truck Replacement	5/4/2009		\$45,000		\$45,000
TT-5104	Chapel Hill	Computer Technology/Hardware	5/4/2009		\$49,867		\$49,867
TG-4731	Chapel Hill	Bus Stop Shelters, Lighting & other Enhancements	5/4/2009		\$27,149		\$27,149
		<i>CHT Uncommitted Balance</i>			\$0		
		<b>TRIANGLE TRANSIT</b>			\$1,405,387		
TA-4993	Triangle Transit	Paratransit fleet expansion	5/29/2009		\$75,000	\$75,000	\$150,000
TT-4911	Triangle Transit	ITS Project - Real Time Passenger Information Project	5/29/2009		\$398,467	\$212,432	\$610,899
TA-4818	Triangle Transit	Replacement Buses	5/29/2009		\$917,500	\$917,500	\$1,835,000
TG-4821	Triangle Transit	Passenger Amenities	5/29/2009		\$14,420	\$13,390	\$27,810
		<i>TT Uncommitted Balance</i>			\$0		
		<b>Uncommitted Balance</b>			\$0		

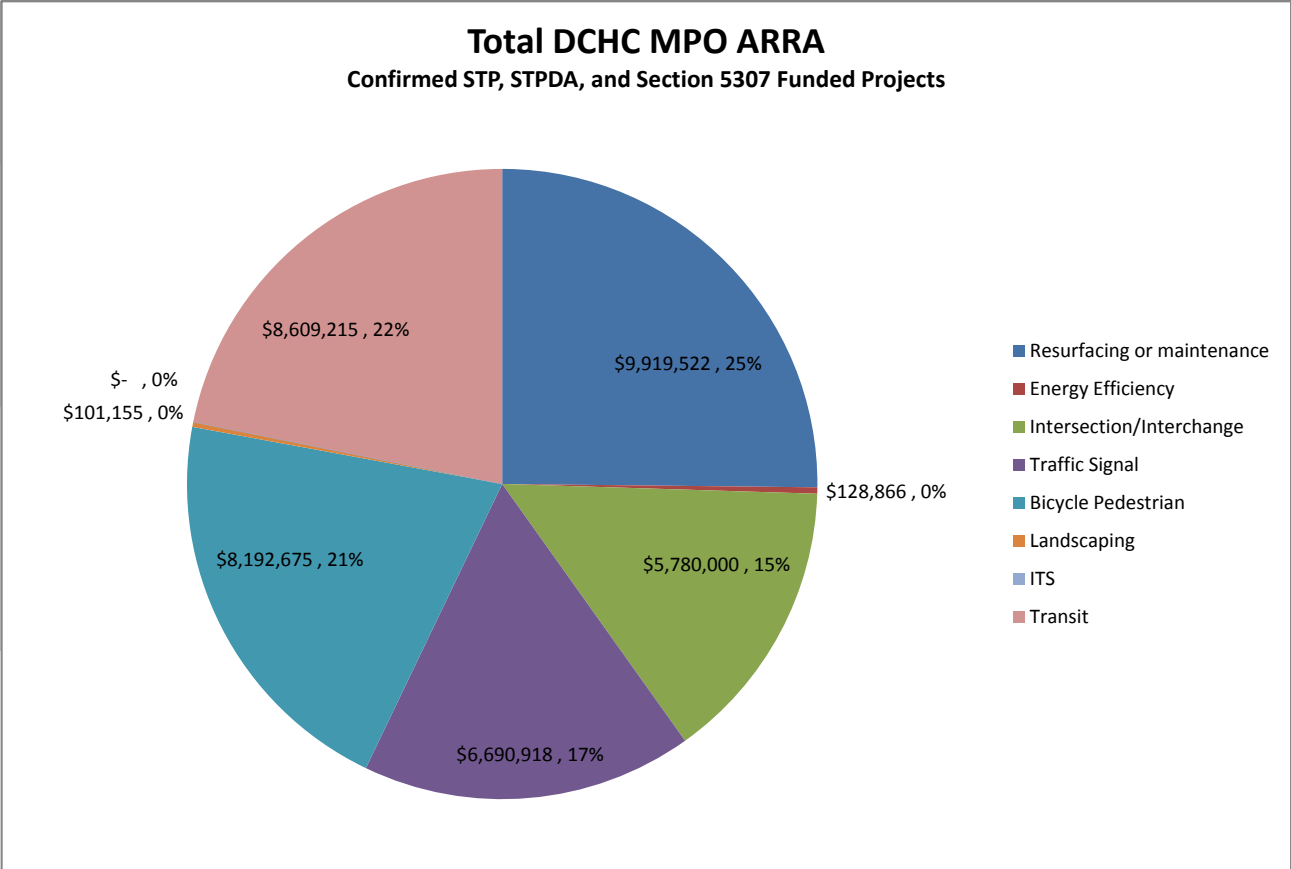
American Recovery and Reinvestment Act  
Contingency Projects Table - Unfunded

TIP #	Location	Description	Grant filed in TEAM 7/1/2009	Grant approved	Total Federal	Other Funding	Total Project Funds
		TOTAL AVAILABLE					
		DATA					
TA-4823	Durham	4 Hybrid Replacement Buses			\$2,200,000		\$2,200,000
		DATA Projects			\$2,200,000		
		CHT					
T-XXXX	Chapel Hill	Radio System Study and Upgrade			\$500,000		\$500,000
TA-4748	Chapel Hill	2 Paratransit Replacement Vehicles			\$130,000		\$130,000
TG-4732	Chapel Hill	15 Replacement Support Vehicles			\$396,000		\$396,000
TA-4726	Chapel Hill	6 Replacement 40' HB Diesel Buses			\$3,300,000		\$3,300,000
T-XXXX	Chapel Hill	Bus Storage Expansion			\$1,500,000		\$1,500,000
		CHT Projects			\$5,826,000		
		TRIANGLE TRANSIT					
TA-4818	Triangle Transit	Replacement Buses			\$1,972,500	\$1,972,500	\$3,945,000
TG-4821	Triangle Transit	Passenger Amenities			\$1,083,314	\$1,083,314	\$2,166,628
		TT Projects			\$3,100,365		
		Total			\$11,126,365		

TIP #	Location	Description	1. Agreement Executed Locally 7/1/2009	1. Agreement Executed by NCDOT	2. Preliminary Engineering Authorization \$44,551	3. Scoping Meeting \$44,551	4. Procuring Professional Services \$89,101	5. Environmental Documentation	6. Design	7. Right-of-Way Certification	8. Construction Authorization 10/1/2009	9. Procuring Construction Services 1/1/2010	Total Federal	Other Funding	Total Project Funds
U-4726	Carrboro - Pine Street	Sidewalk on one side from Greensboro to Hillsborough											\$232,500		\$232,500
U-4726	Carrboro - Davie Road	Sidewalk on one side from Fidelity to Main											\$264,500		\$264,500
U-4726	Chapel Hill - Ephesus Church Road	Sidewalk Construction											\$58,000		\$58,000
X-XXXX	Durham - Renaissance Pkwy	Installation of a traffic signal (flasher) at Leonardo											\$30,000		\$30,000
U-4726	American Tobacco Trail	Construction of trailhead parking lot at Scott King Road											\$200,000		\$200,000
U-4726	Durham Markham Ave. N/S	Sidewalk Construction (Washington to Avondale)											\$275,000		\$275,000
X-XXXX	Durham	Painting of RR bridge underpasses on Chapel Hill Street and Roxboro Street											\$200,000		\$200,000
U-4726	Durham	Easy to Construct Sidewalks Along DATA Routes											\$600,000		\$600,000
		Total											\$ 1,860,000		

**Confirmed ARRA STP, STPDA, and Section 5307 Funded Projects**

Resurfacing or maintenance	\$	9,919,522
Energy Efficiency	\$	128,866
Intersection/Interchange	\$	5,780,000
Traffic Signal	\$	6,690,918
Bicycle Pedestrian	\$	8,192,675
Landscaping	\$	101,155
ITS	\$	-
Transit	\$	8,609,215
<b>Total</b>	\$	<b>39,422,351</b>



# Comprehensive Transportation Plan (CTP)

## Tasks and Timeline (6/18/09)

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### Introduction

The DCHC MPO and Orange County will develop and adopt Comprehensive Transportation Plans (CTP) for their respective planning areas within the next year. The MPO and Orange County will coordinate the timeline and tasks to the greatest extent possible, and try to make the process as clear as possible given that the 2035 LRTP was recently completed and is very similar to the CTP, and given that most Orange County citizens live in the DCHC MPO planning area. Throughout the process it will remain clear that the TAC will adopt the CTP for the area in the MPO's planning area, and the Orange County Board of Commissioners (BOCC) will adopt the CTP for the area of Orange County that is not in the DCHC MPO or Burlington-Graham MPO.

The DCHC MPO developed the 2035 LRTP and CTP in tandem throughout the last two years, dropping further CTP development in the fall of 2008 when the 2035 LRTP Preferred Options were advanced. As a result, the MPO has completed many of the CTP development tasks (although the NCDOT has not reviewed and provided input on these tasks, yet). Orange County will need to complete a few tasks to reach a point in which the MPO and Orange County CTP process can proceed in parallel. However, this "catch up" process will not take long. Orange County plans to conduct a workshop in September to present deficiency information and gather initial citizen input, and at that point will be ready to work on alternatives.

This document presents the tasks and timeline for the DCHC MPO's CTP process. Given the coordination with the concurrent Orange County process, information on the coordination with Orange County is presented in *italics* when deemed relevant.

### Tasks

#### 1- CTP Schedule and Tasks (TAC approve September 2009)

Create schedule and detailed tasks, present to TAC, and receive TAC approval. Task details will include the type of maps, visual presentations, analysis and public involvement that will be completed for each task.

#### 2- Goals and Objectives (completed)

The CTP process will use the same Goals and Objectives in the joint 2035 LRTP and CTP process.

### 3- Deficiency Analysis (TAC approve October 2009)

The Deficiency Analysis will be based on a Triangle Regional Model (TRM) model run that will use the Buildout Socioeconomic Data (SE Data) scenario on the Existing Plus Committed transportation network. This combination will depict transportation conditions at a point in time beyond 2035 in which only the current transportation facilities exist.

NCDOT has suggested the use of the 2035 Transit Node SE Data scenario on the 2035 LRTP network. This combination would help eliminate the many large network overloads (V/C ratios that exceed 1.1) that would dominate the V/C map with red ink, and help focus which projects need to be added to the 2035 LRTP to produce the CTP.

The tools proposed for the Deficiency Analysis include:

- a. V/C ratio maps (current and future; from TRM)
- b. Performance measures (current and future; from TRM)
- c. Congestion Management Plan (CMP) data from Chapel Hill and Carrboro Mobility Report Card and DCHC MPO CMP:
  - i. Intersection Level of Service (current and future)
  - ii. Travel time

*Orange County will present deficiency data at their initial September workshop and will likely include similar data, but not the same exact data.*

### 4- Alternatives (TAC release December 2009)

Develop Alternatives for public review and input. Alternatives might include:

- a. 2035 LRTP
- b. 2035 LRTP plus additional projects to address deficiencies
- c. Comprehensive Transportation Plan (from the 2035 LRTP and CTP process)

*The MPO and Orange County will work together to present the same Alternatives.*

### 5- Public Input (complete by February 2010)

The Alternatives and supporting information will be released for public input, and will include:

- a. Map of each Alternative (following NCDOT prescribed format)
- b. Deficiency Analysis data
- c. Performance measures and V/C maps for each Alternative (likely presented with corresponding Deficiency Analysis data)

*The MPO and Orange County will work together to present the same maps, performance measures and other data.*

The public outreach will include:

- a. Three workshops in Durham, one in Chapel Hill, one in Hillsborough and one in northeast Chatham County
- b. TAC public hearing
- c. Mailing and published notices
- d. Web site presentation and application to take comments
- e. Newsletter

*Orange County will have presentations to the BOCC and advisory boards, and conduct a public workshop.*

#### **6- Recommended CTP** (TAC receive March 2010)

Prepare recommended CTP based on TAC, public and staff input. Coordinate with CAMPO, Orange County, Person County, Granville County and Burlington-Graham MPO to help ensure similar treatment of improvements and services that cross the borders.

#### **7- Adopted CTP** (TAC adopt May 2010)

TAC adopts the CTP for the DCHC MPO and endorses the CTP for the area in Orange County that is not in the DCHC MPO planning area. The process for the North Carolina Board of Transportation to adopt the CTP will likely take an additional four months.

#### **8- Technical Report** (complete by June 2010)

The CTP technical report for the DCHC MPO and Orange County can be a joint report. Staff has not discussed this item, yet.

#### **9- Corridor Protection and Programming**

Local staff will be responsible for several follow-on tasks to the CTP adoption that are needed for the CTP to be effective.

## **Task Timeline**

A simple task timeline is presented on the following page (page 4).

### Comprehensive Transportation Plan – Task Timeline

Task ID#	Plan Tasks	Pub. Involve.	2009			2010									
			Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	
1	<b>CTP Schedule and Tasks</b> -- TAC endorse CTP schedule, tools, data, plan, etc.			█	█										
2	<b>Goals and Objectives</b> -- Board endorse goals and objectives		completed												
3	<b>Deficiency Analysis</b> --			█	█										
4	<b>Alternatives</b> -- Develop alternatives and release for public comment					█	█								
5	<b>Public Input</b> -- Publish alternatives, mail CTP newsletter and notices, conduct workshops and TAC						█	█	█						
6	<b>Recommended CTP</b> -- Prepare and review recommended CTP									█	█				
7	<b>Adopted CTP</b> --													█	
8	<b>Technical Report</b> --										█	█	█	█	
9	<b>Corridor Protection and Programming</b> --													█	█

# Strategic Planning Office of Transportation – June 17 Workshop

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## AGENDA

- **Introduction/ Purpose** Don Voelker, Director, Strategic Planning
- **Opening Remarks** Jim Trogdon, Chief Operating Officer
- **NCDOT Transportation Reform Process** Mark Tyler, Director, Governance Office
- **Strategic Prioritization Process** Don Voelker, Director, Strategic Planning
- **Pilot Demo** Alpesh Patel/David Wasserman
- **Level of Service** Don Voelker, Director, Strategic Planning
- **Comments and Responses** Don Voelker, Director, Strategic Planning
- **Question and Answer Session** Don Voelker, Director, Strategic Planning
- **Adjourn**

# Implementing Transportation Reform in North Carolina

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# Executive Orders # 2 & # 3

## State of North Carolina



BEVERLY EAVES PERDUE  
GOVERNOR

### EXECUTIVE ORDER NO 2

#### REFORMING DEPARTMENT OF TRANSPORTATION

**WHEREAS**, the State, through the Office of the Governor, has an obligation to assure that highway construction plans are developed and that projects are awarded based on professional standards designed to meet the needs of citizens and communities across the State fairly, efficiently and effectively; and

**WHEREAS**, the present process for developing plans and approving projects needs to be reformed in order to assure that plans are developed and projects are awarded based on professional standards and not other considerations.

**NOW, THEREFORE**, pursuant to the authority vested in me as Governor by the Constitution and the laws of the State of North Carolina, **IT IS ORDERED**.

#### Section 1. Board of Transportation Reform



BEVERLY EAVES PERDUE  
GOVERNOR

### EXECUTIVE ORDER NO. 3

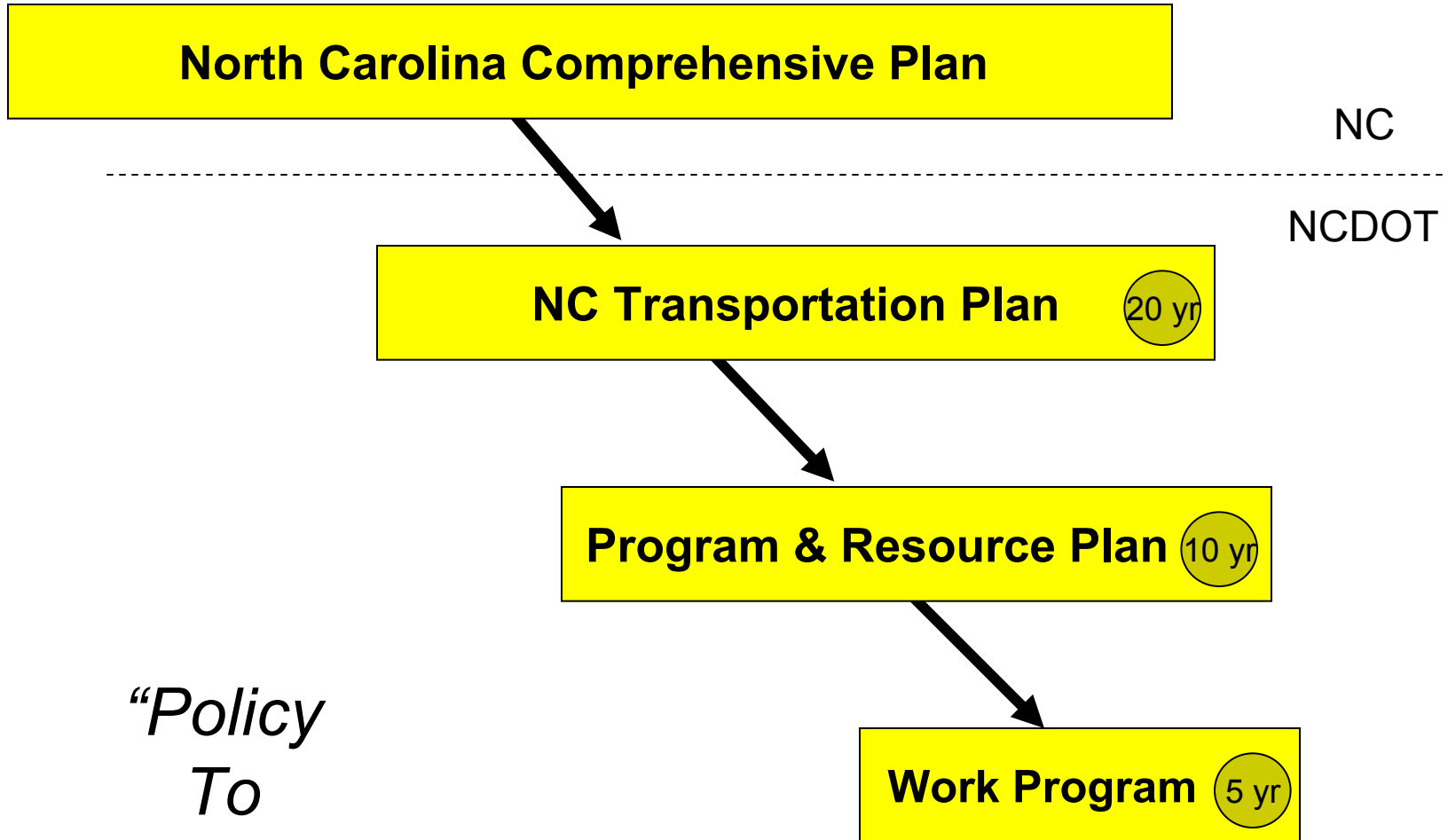
#### ON-SITE AND STATE-STAT PERFORMANCE MANAGEMENT AND ACCOUNTABILITY

**WHEREAS**, the citizens of North Carolina deserve excellent results from government programs and services; and

**WHEREAS**, the State should maximize efficiency and effectiveness when spending taxpayer dollars; and

**WHEREAS**, improving program and management performance requires commonly understood goals, clear measurement of the goals, and transparent reporting of progress; and

# Transportation Reform Framework



*“Policy  
To  
Projects”*

# NC Transportation Plan (20 Year)

- Contents

- mission & goals, objectives and strategies
- guides decision-making including investment decisions
- update of NC Long Range Transportation Plan

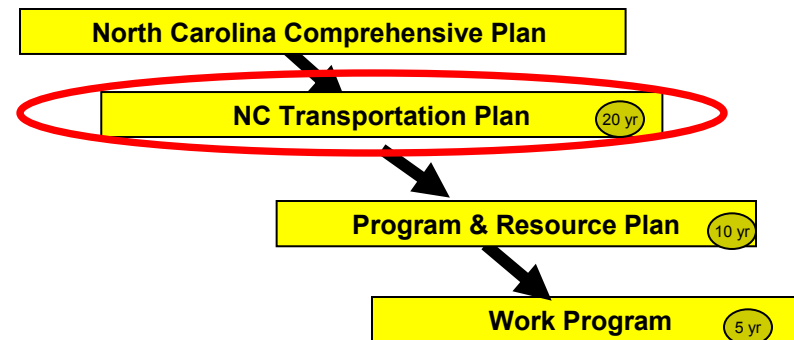


- Development Process

- transportation professionals: DOT and others
- significant public input

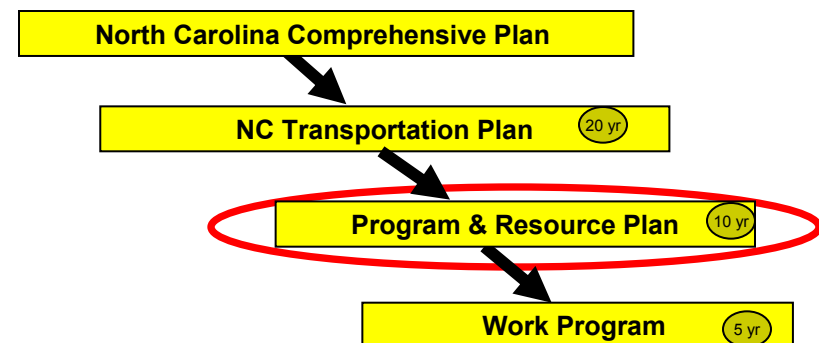
- Published: every four years

- Timeframe: twenty years



# Program & Resource Plan (10 year)

- Contents
  - allocations of funds between programs
  - programs grouped by categories
    - ◇ Product: Safety, Mobility and Infrastructure Health
    - ◇ Product Support: Preliminary Engineering, Environmental Mitigation, ...
    - ◇ Maintenance and Operations: Highway Maintenance, DMV Operations, ...
    - ◇ Administration: Fiscal, IT, HR, ...
    - ◇ Other: Debt Service, Transfer to Others
  - strategic planning element
  - financial element
  
- Development Process
  - takes current Adopted Work Program as starting point
  - staff develops with significant stakeholder input
  - Board of Transportation reviews and approves
  - forms basis for biennial budget request and Work Program development
  
- Published: every two years
  
- Timeframe: ten years



# Program & Resource Plan (10 years)

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## Elements

### A. Strategic Plan and Needs (SPAN)

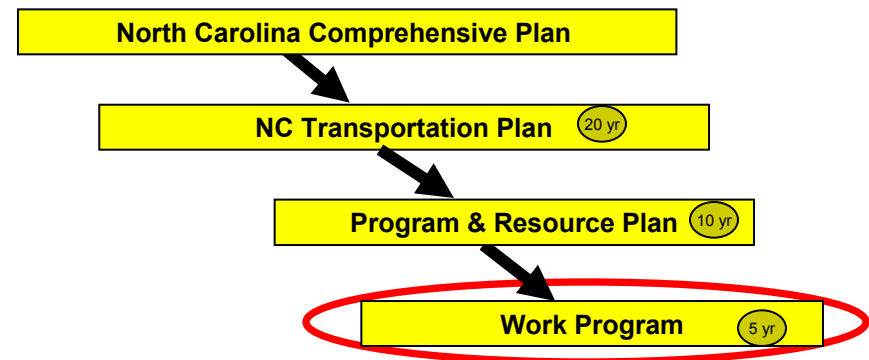
- Strategic planning
  - ◇ Objectives
  - ◇ Unconstrained Needs List
    - \* Internal from Divisions and Business Units
    - \* External from MPO's and RPO's
- Data Driven Prioritization: Crash Data, V/C, Infrastructure Health
- Performance Targets

### B. Financial

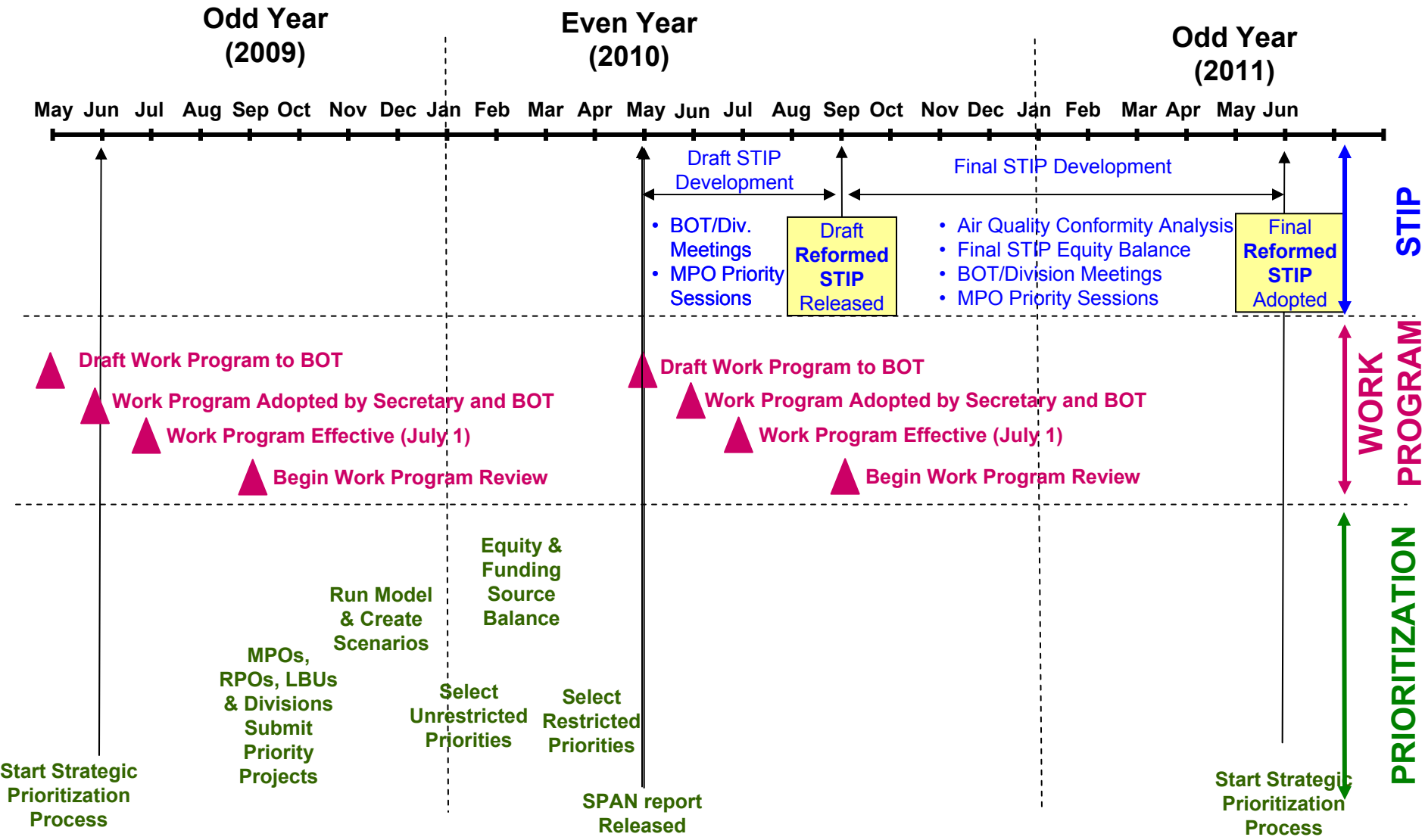
- Cash Forecast
  - ◇ Ten year view based on cash modeling efforts by CFO
  - ◇ Forecasts expenditures, revenues, cash balances
  - ◇ Trend analysis: revenues, commitments, reimbursements, payout rates
- Budget
  - ◇ Forms basis for biennial budget cycle
  - ◇ Constrained Funding and Fund Distribution – based on Legislation and policies

# Work Program (5 year)

- Contents
  - comprehensive work plan including STIP
    - ◇ projects: highway, public transportation, maintenance, ...
    - ◇ other departmental projects, programs and services
    - ◇ schedules for major projects by phases
  - reliable, stable and fiscally constrained
  - easily communicated and understood
- Development Process:
  - coordination with local governments and other stakeholder groups
  - adopted by Board of Transportation
  - first two years are aligned with biennial budget cycle
- Published: every year
- Timeframe: five years



# Reformed STIP: Draft STIP in 2010



# 2009 Work Program

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## Schedule

- April 1: Draft Work Program ready
- July 9: Final Work Program to Board
- August 6: Work Program approved by Board

# 2009-2014 Work Program

	Prior Year	Current Year	Next Four Years				5 Year Total
	08/09	09/10	10/11	11/12	12/13	13/14	2010-2014
	2009*	2010	2011	2012	2013	2014	
<b>I. Multimodal Product</b>	<b>\$1,289</b>	<b>\$1,440</b>	<b>\$1,277</b>	<b>\$1,322</b>	<b>\$1,347</b>	<b>\$1,149</b>	<b>\$6,535</b>
New Awards	\$429	\$487	\$281	\$292	\$163	\$219	\$1,442
Safety	\$12	\$28	\$19	\$12	\$5	\$0	\$65
Mobility	\$267	\$287	\$226	\$230	\$118	\$209	\$1,070
Infrastructure Health	\$148	\$170	\$33	\$49	\$39	\$9	\$301
CMAQ & Enhancements	\$2	\$2	\$2	\$1	\$1	\$0	\$6
Right of Way	\$200	\$200	\$200	\$200	\$200	\$200	\$1,000
Other	\$48	\$91	\$85	\$86	\$89	\$70	\$421
Modal Projects	\$102	\$100	\$99	\$102	\$105	\$174	\$581
Prior Year Commitments	\$510	\$562	\$612	\$641	\$790	\$432	\$3,036
<b>II. Product Support</b>	<b>\$285</b>	<b>\$307</b>	<b>\$293</b>	<b>\$314</b>	<b>\$320</b>	<b>\$309</b>	<b>\$1,544</b>
Preliminary Engineering	\$168	\$183	\$183	\$183	\$183	\$183	\$915
Construction Engineering & Inspection	\$83	\$95	\$81	\$81	\$87	\$75	\$419
Environmental Mitigation	\$34	\$30	\$30	\$50	\$50	\$50	\$210
<b>III. Operations &amp; Maintenance</b>	<b>\$1,630</b>	<b>\$1,565</b>	<b>\$1,509</b>	<b>\$1,531</b>	<b>\$1,615</b>	<b>\$1,638</b>	<b>\$7,858</b>
Highway Maintenance & Modernization	\$1,285	\$1,189	\$1,114	\$1,164	\$1,228	\$1,299	\$5,994
Highway Operations	\$232	\$253	\$285	\$251	\$262	\$271	\$1,323
Modal Operations	\$101	\$112	\$98	\$103	\$112	\$55	\$479
Governor's Highway Safety Program	\$12	\$12	\$12	\$12	\$13	\$13	\$61
<b>IV. Administration</b>	<b>\$182</b>	<b>\$189</b>	<b>\$195</b>	<b>\$203</b>	<b>\$214</b>	<b>\$226</b>	<b>\$1,027</b>
Central Administration	\$80	\$81	\$86	\$90	\$95	\$101	\$453
DMV Administration	\$21	\$24	\$24	\$25	\$26	\$27	\$125
Highways Administration	\$39	\$42	\$43	\$44	\$46	\$49	\$224
Trust Fund Administration	\$42	\$41	\$42	\$44	\$47	\$50	\$225
<b>TOTAL PROGRAM</b>	<b>\$3,386</b>	<b>\$3,502</b>	<b>\$3,274</b>	<b>\$3,370</b>	<b>\$3,496</b>	<b>\$3,322</b>	<b>\$16,963</b>
<b>V. Other</b>	<b>\$585</b>	<b>\$621</b>	<b>\$621</b>	<b>\$646</b>	<b>\$658</b>	<b>\$676</b>	<b>\$3,222</b>
Transfers	\$440	\$468	\$465	\$492	\$507	\$527	\$2,460
Debt Service	\$145	\$153	\$156	\$154	\$151	\$149	\$763
<b>TOTAL WORK PROGRAM BUDGET</b>	<b>\$3,971</b>	<b>\$4,122</b>	<b>\$3,895</b>	<b>\$4,016</b>	<b>\$4,154</b>	<b>\$3,998</b>	<b>\$20,185</b>

**DRAFT**

**Notes:**

All values throughout this Work Program reflect actual cash spending amounts, in millions, unless otherwise noted.

This Work Program reflects the Governor's budget constrained by the NCDOT Cash Model which is based on projected revenues.

Any changes to this Work Program will be made through the formal amendment process.

\* These values include 10 months of actual spending and 2 months of forecast spending.

# 2010 Program & Resource Plan and Work Program

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- Full implementation of reform framework due  
July 1, 2010
  
- Begin with Program and Resource Plan (10 yr)
  - Unconstrained Needs
  - Constrained Priorities
    - ◇ Funding Levels (\$\$\$)
    - ◇ Levels of Service (LOS)
  
- Work Program to follow (5 year)
  - Includes TIP + other departmental programs and services
  - Credible, stable and easy to understand

# Program & Resource Plan (10 year)

Category	NCMIN Tier	Mode/Type/Unit	Previous Yr Actual		Current Year		First Five Years								5 Year Total		Next Four Years								4 Year Total		10 Year Total		
			07/08		08/09		09/10		11		11/12		12/13		13/14		14/15		15/16		16/17		17/18		4 Year Total		10 Year Total		
			\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	
Safety	Statewide	Highways	1,297.3		1,169.0																								
		Rail																											
		Public Transportation																											
		Ferry																											
		Aviation																											
	Regional	Bicycle & Pedestrian																											
		Highways																											
		Rail																											
		Public Transportation																											
		Ferry																											
	Sub-Reg	Aviation																											
		Bicycle & Pedestrian																											
		Highways																											
		Rail																											
		Public Transportation																											
Mobility	Statewide	Ferry																											
		Aviation																											
		Bicycle & Pedestrian																											
		Highways																											
		Rail																											
	Regional	Public Transportation																											
		Ferry																											
		Aviation																											
		Bicycle & Pedestrian																											
		Highways																											
	Sub-Reg	Rail																											
		Public Transportation																											
		Ferry																											
		Aviation																											
		Bicycle & Pedestrian																											
Infrastructure Health	Statewide	Highways																											
		Bridges																											
		Rail																											
		Public Transportation																											
		Ferry																											
		Aviation																											
		Bicycle & Pedestrian																											
	Regional	Rest Areas																											
		Weigh Stations																											
		Highways																											
		Bridges																											
		Rail																											
	Sub-Reg	Public Transportation																											
		Ferry																											
		Aviation																											
Bicycle & Pedestrian																													
Highways																													

- 
- Questions on Transportation Reform Process?

# Strategic Planning Office of Transportation (SPOT)



## Transportation Reform



# OUTLINE

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- SPOT Introduction
- Prioritization Process within Reform Process
- Guiding Principles of Prioritization Process
- Prioritization Calendar (Steps and Target Dates)
- Prioritization Model Overview
  - Demo
- Comments to Date & Outstanding Issues

# Strategic Planning Office (SPOT)

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## Core Missions:

### **NEW** Strategic Planning & Prioritization Process

- Every 4 years: **Set Strategic Direction**
  - 20 year outlook
- Every 2 years: **Develop Strategic Prioritization**
  - 5-10 year outlook

### **NEW** Level of Service (LOS)

- Performance Measures and Targets

# NCDOT

## OUR MISSION

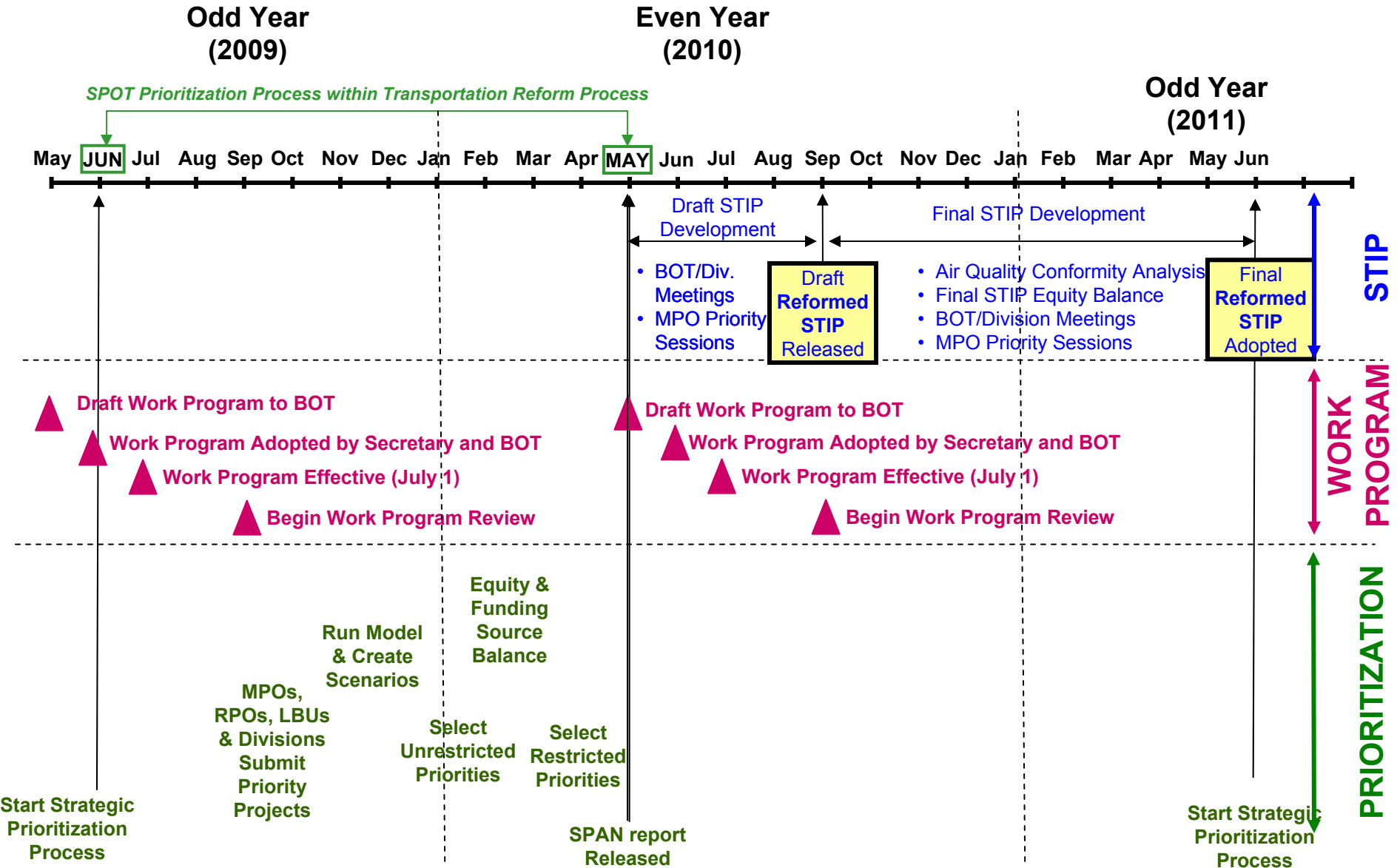
*"Connecting people and places  
in North Carolina – safely and  
efficiently, with accountability  
and environmental sensitivity"*

## OUR GOALS

- Make our transportation network **safer**
- Make our transportation network move people and goods more **efficiently**
- Make our infrastructure **last longer**
- Make our organization a place that **works well**
- Make our organization **a great place to work**



# Transformation Reform Calendar



## **Guiding Principles (DRAFT) of NCDOT Prioritization**

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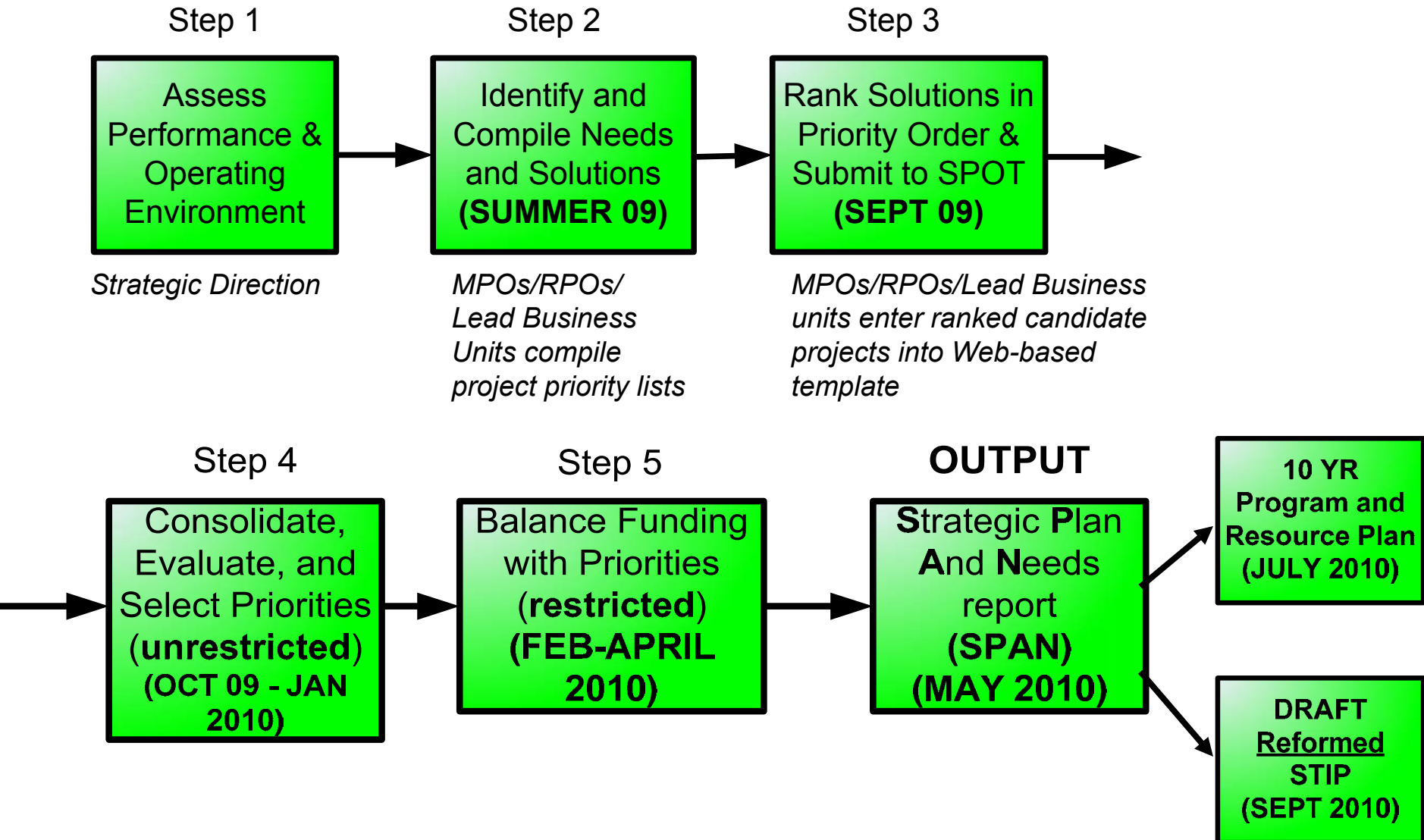
- The prioritization process will be input to a reformed Statewide Transportation Improvement Program (STIP) and a Transportation Work Program (5 & 10 Yrs).
- The prioritization process will emphasize alignment with the Department's Mission and Goals.
- The prioritization process will be clear and understandable.
- The prioritization process is a combination of quantitative and qualitative data.
- The process will include a weighted ranking system based on goal, tier, and Metropolitan Planning Organization (MPO)/Rural Planning Organization (RPO) rankings.

## **Guiding Principles (DRAFT) of NCDOT Prioritization**

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- The Secretary of NCDOT will have the ability to move a project up or down in the final rankings. When this occurs, NCDOT will explain the importance of the project.
- The process will focus on ranking projects in the existing STIP because needs far outweigh expected revenues.
- New projects will be evaluated if the project “showcases” an exceptional benefit to a serious transportation system deficiency.
- Project priorities will be captured through a web-based template and a supporting database.
- The final rankings and process to determine those rankings will be visible.

# Strategic Prioritization Steps



\* Steps reflect tentative dates

# Prioritization Calendar

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- **Summer 09**

- MPOs/ RPOs utilize their respective prioritization methods to rank projects Gain approval from your local TCC/TAC
- **FINAL Template Instructional Guide** provided by **August 3**
  - ◇ Guide will include examples on how to classify projects by Goal, Tier, and Mode

- **September 8 to October 2**

- Template opens for MPOs/RPOs, NCDOT Lead Business Units (LBUs), and Divisions to submit priority projects
- MPOs/RPOs must rank Top 25 list of projects (combination of existing STIP and new projects)
- *\* All parties are expected to communicate with each other on NEW projects*

- **October 5 to October 23**

- SPOT performs QA/QC and sends all projects to GIS to extract condition data

- **October 26 to November 6**

- Divisions rank Top 25 projects (after SPOT provides respective MPO/RPO rank lists and condition data)

- **November 9 to November 13**

- SPOT applies prioritization model to generate numerical score for highway (I, R, U type) projects (by Goal, Tier, Mode)

# Prioritization Calendar con't

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- **November 16 to December 4**
  - Technical Review Teams (SPOT, Asset Management, Chief Engineer, and Mobility and Safety Division) review numerical rankings from a statewide/strategic perspective
  - Teams recommend rank order changes (if any) to NCDOT COO & Secretary
  
- **December 7 to 31**
  - SPOT develops unrestricted investment scenarios
  
- **January 1 to 31, 2010**
  - Hold executive management workshops to facilitate discussion of tradeoffs and pros/cons of competing scenarios
  - SPOT develops final recommended unrestricted scenario
  
- **February 1 to March 31**
  - Financial Management (including Program Development Branch) performs prioritization equity & funding source balance
  - Final restricted investment scenario prepared and presented at executive management workshop
  
- **April 1 to April 30**
  - Develop DRAFT 10 YR Program and Resource Plan
  
- **May 1** - official handoff to Financial Management, complete SPAN Report

# Highway Prioritization Model Overview

Total Score per Highway Project = Quantitative Score + Qualitative Score

- Quantitative score derived from current roadway condition data:
  - Safety Score (Critical Crash Rate, Crash Severity, Crash Density)
  - Mobility/Congestion Score (Volume/Capacity + AADT)
  - Infrastructure Health/Pavement Score (Pavement Condition Rating)
- Qualitative score driven by Division rank and Local rank:
  - MPO/RPO Rank – use local methodology to rank order priorities
  - Division Rank – use knowledge of local area to rank order priorities
  - ***Only one # 1 highway project per MPO/RPO and per Division***
    - ◇ ***Rank Top 25 highway projects***

# Prioritization Model – Matrix for Scoring Highway Projects

## Quantitative

## Qualitative

<u>GOAL</u>	<u>TIER</u>	<u>Weighted Condition Data Percentage</u>	<u>Weighted Division Rank Percentage</u> <i>Top 25 Projects</i>	<u>Weighted Local Rank Percentage</u> <i>Top 25 Projects</i>
<b>MOBILITY</b>	Statewide	70%	20%	10%
	Regional	50%	25%	25%
	Subregional	0%	50%	50%
<b>SAFETY</b>	Statewide	70%	20%	10%
	Regional	70%	15%	15%
	Subregional	0%	50%	50%
<b>INFRASTRUCTURE HEALTH</b>	Statewide	70%	20%	10%
	Regional	70%	15%	15%
	Subregional	0%	50%	50%

# Prioritization Model – Matrix for Scoring Highway Projects

		<u>Quantitative</u>		<u>Qualitative</u>	
<u>GOAL</u>	<u>TIER</u>	<u>Weighted Condition Data Percentage</u>		<u>Weighted Division Rank Percentage</u> <i>Top 25 Projects</i>	<u>Weighted Local Rank Percentage</u> <i>Top 25 Projects</i>
<b>MOBILITY</b>	Statewide	70%	<p>CONG = 80% PVMT = 10% SAFE = 10%</p>	20%	10%
	Regional	50%		25%	25%
	Subregional	0%		50%	50%
<b>SAFETY</b>	Statewide	70%	<p>CONG = 10% SAFE = 80% PVMT = 10%</p>	20%	10%
	Regional	70%		15%	15%
	Subregional	0%		50%	50%
<b>INFRASTRUCTURE</b>	Statewide	70%	<p>CONG = 10% SAFE = 10% PVMT = 80%</p>	20%	10%
<b>HEALTH</b>	Regional	70%		15%	15%
	Subregional	0%		50%	50%

# Quantitative Score

- ALL Condition Data is derived from NCDOT Sources
- Rule of Thumb: HIGHER the Score the WORSE the condition

## TOTAL QUANTITATIVE SCORE = 100+ points

- **Congestion Score (0 to 100+)**
  - Score = Volume/Capacity Ratio (60%) + AADT (40%)
    - ◇  $V/C = (AADT/Capacity) * 100$
    - ◇  $AADT = AADT/1000$
- **Safety Score (0 to 100)**
  - Score = mathematical combination of Density (33%) + Severity(33%) + Critical Crash Rate(33%)
    - ◇ Crash Density – The crash density of the study area versus the average crash density of similar facilities
    - ◇ Severity Index – measure of the mix of accident severity in a group of accidents at a location
    - ◇ Critical Crash Rate – The actual crash rate versus the critical crash rate for the study area
- **Pavement Condition Score (0 to 100)**
  - Score = 100 - Pavement Condition Rating

## Examples of Quantitative Scoring

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- Apply Highway Matrix Weights and Percentages
- For Statewide Tier Mobility Project (major widening):
  - $(0.8 \times \text{Congestion Score}) + (0.1 \times \text{Pavement Score}) + (0.1 \times \text{Safety Score})$
  - Multiply result X weight by Tier (i.e., 70 %)
- For Regional Tier Infrastructure Health Project (rehabilitation):
  - $(0.1 \times \text{Congestion Score}) + (0.8 \times \text{Pavement Score}) + (0.1 \times \text{Safety Score})$
  - Multiply result X weight by Tier (i.e., 70 %)
- Total Quantitative Score is always weighted by tier and goal (i.e., 70 or 50 percent) to obtain total quantitative points/per project

# Qualitative Point System

<b>Division Rank</b> <i>TOP 25</i>	<b>Points</b>		<b>Local (MPO/RPO) Rank</b> <i>TOP 25</i>	<b>Points</b>
1	100		1	100
2	96		2	96
3	92		3	92
4	88		4	88
5	84		5	84
6	80		6	80
7	76		7	76
--	--		--	--
--	--		--	--
25	4		25	4

# Examples of Qualitative Scoring

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## Qualitative Scoring Summary:

- For Statewide Tier Mobility Project (major widening):
  - $(0.2 \times \text{Division Rank Points}) + (0.1 \times \text{Local Rank Points})$
  
- For Regional Tier Infrastructure Health Project (rehabilitation):
  - $(0.15 \times \text{Division Rank Points}) + (0.15 \times \text{Local Rank Points})$

# Summary for Scoring Highway Projects

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- **OVERALL SCORE IS Quantitative plus Qualitative points**
- **Years 1-5 STIP projects** are considered **Committed** Delivery Projects & therefore do not need to be ranked (and will not be pre-populated in the database).
- **Years 6-10 of STIP projects** are considered **Planning** Projects, i.e. projects in a developmental stage that could ultimately move into the 5-year Committed schedule & therefore do need to be ranked (and will be pre-populated in the database).
- The SPOT Prioritization Model **will only generate on overall rank for:**
  - Current Highway (I, R, U type) projects in STIP (years 6 & 7) AND
  - New Highway (I, R, U type) projects (needed within the next 10 years) submitted in template

# Prioritization Ex. – Statewide Tier Mobility Projects

PROJECT INFORMATION					QUANTITATIVE SCORE				QUALITATIVE SCORE*				TOTAL SCORE & RANK	
DIV	TIP	COUNTIES	ROUTES	DESCRIPTION	CONG. SCORE	SAFETY SCORE	PVMT. SCORE	QUANT. SCORE	DIVISION RANK*	POINTS	MPO/RPO RANK*	POINTS	TOTAL SCORE	RANK
10	I-3803B	CABARRUS	I-85	SR 2894 (SPEEDWAY-CONCORD MILLS BOULEVARD) TO NC 73 IN CABARRUS COUNTY.	123	100	60	114.40	1	100	1	100	110.08	1
12	I-3819A	IREDELL	I-40/77	I-40/I-77 IN STATESVILLE. INITIAL INTERCHANGE IMPROVEMENTS.	102	67	27	91.00	1	100	1	100	93.7	2
3	R-3601	BRUNSWICK	US 17-74-76	US 17-74-76, NC 133-SR 1472 INTERCHANGE TO THE US 421-NC 133 INTERCHANGE. ADD ADDITIONAL LANES ON NORTH AND SOUTHBOUND LANES AND WIDEN BRIDGE NO. 107 AND BRIDGE NO. 108.	80	100	46	78.60	4	88	1	100	82.62	3
5	R-2814B	WAKE, FRANKLIN	US 401	ROLESVILLE BYPASS, SR 2226 TO NC 96 ON NEW LOCATION. IN WAKE COUNTY	59	67	6	54.50	16	40	6	80	54.15	4
10	R-2533CC	CABARRUS	NC 49	NC 49, EAST OF SR 2630 (CLINE ROAD) TO EAST OF NC 73	34	33	32	33.70	12	56	21	20	36.79	5

**Example Total Score:  $114.40*(.70) + 100*(.20) + 100*(.10) = 110.08$**

**\*Division and MPO/RPO Ranks are for illustrative purposes only**

# Prioritization Ex. – Statewide Tier Safety Projects

PROJECT INFORMATION					QUANTITATIVE SCORE				QUALITATIVE SCORE*				TOTAL SCORE & RANK	
DIV	TIP	COUNTIES	ROUTES	DESCRIPTION	CONG. SCORE	SAFETY SCORE	PVMT. SCORE	QUANT. SCORE	DIVISION RANK*	POINTS	MPO/RPO RANK*	POINTS	TOTAL SCORE	RANK
6	I-5010	HARNETT	I-95	NC55, RECONFIGURE INTERCHANGE RAMP	72	100	41	91.30	6	80			79.91	1
2		LENOIR		US 70 FROM 1056 FEET WEST OF US 70 BUS/US 258 BUS/NC 58 NORTH (QUEEN STREET) AND US 258 SOUTH TO 300 FEET WEST OF NC 58 SOUTH. CONSTRUCT A 12' RAISED MEDIAN WITH LEFT TURN LANES AT US 258 SOUTH AND SR 1357 (MEADOWBROOK DRIVE) AND OVERLAY	42	67	8	58.60	11	60			53.02	2
8	I-4407	RANDOLPH	US 220, FUTURE I-73/74	US 220 (FUTURE I-73/74) FROM SOUTH OF NC 134/US 220 BUS TO NORTH OF SR 1462 (PARK DR EXT)	21	33	27	31.20	5	84	2	96	48.24	3
14	R-2409C	TRANSYLVANIA	US 64	US 64 FROM CASHIERS TO ROSMAN	14	33	80	35.80	3	92	16	40	47.46	4
10	U-5135	UNION	WAXHAW	NC 16/NC 75 INTERSECTION IN WAXHAW. INTERSECTION IMPROVEMENTS.	33	33	25	32.20	25	4			23.34	5

**Example Total Score:  $91.3*(.70) + 80*(.20) + 0*(.10) = 79.91$**

**\*Division and MPO/RPO Ranks are for illustrative purposes only**

# Prioritization Ex. – Statewide Tier Infra. Health Projects

PROJECT INFORMATION					QUANTITATIVE SCORE				QUALITATIVE SCORE*				TOTAL SCORE & RANK	
DIV	TIP	COUNTIES	ROUTES	DESCRIPTION	CONG. SCORE	SAFETY SCORE	PVMT. SCORE	QUANT. SCORE	DIVISION RANK*	POINTS	MPO/RPO RANK*	POINTS	TOTAL SCORE	RANK
11	I-5130	SURRY	I-77	I-77, MM 88.4 TO MM 90	46	33	88	78.30	3	92		0	73.21	1
14	R-5103	JACKSON	US 23/74	US 23/74, US 23 BUSINESS TO SR 1705. PAVEMENT REHABILITATION.	29	67	65	61.60	2	96		0	62.32	2
1	R-5001	NORTHAMPTON	US 158	HALIFAX COUNTY LINE TO MULTI-LANE SECTION WEST OF HERTFORD COUNTY LINE. PAVEMENT STRENGTHENING AND RESURFACING.	13	33	42	38.20	8	72		0	41.14	3
11	R-5155	SURRY	US 52	US 52, STOKES COUNTY LINE TO SR 1815 (COOKE SCHOOL ROAD)	38	33	46	43.90	20	24	23	12	36.73	4
7	R-5176	CASWELL	NC 86	YANCEYVILLE TO NC 119 - WIDEN FOR 4-FT PAVED SHOULDERS	17	33	35	33.00	14	48		0	32.7	5

**Example Total Score:  $78.30*(.70) + 92*(.20) + 0*(.10) = 73.21$**

**\*Division and MPO/RPO Ranks are for illustrative purposes only**

# Other Highway Project Prioritization

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- **“W” Projects - Hazard Elimination**
  - Federally approved ranking system already in place
  
- **Bridges**
  - Bridge Rankings built upon **deficiency points** generated by Bridge Management Unit
  
- **Weigh Stations**
  - prioritized by Equipment and Inventory Control Unit
  
- **Rest Areas**
  - prioritized by Roadside Environmental Unit

# Non Highway Mode Prioritization

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- Existing non-highway projects will be pre-populated in the Template
- New candidate non-highway projects need to be submitted via the Template
- Non-highway projects do not need to be ranked in template
- Non-highway projects submitted in the template will be routed to the appropriate NCDOT Modal Divisions (Bike/Ped/Program Development, Aviation, Public Transportation, Rail, & Ferry)
- NCDOT Modal Divisions will be responsible for ranking these projects

# LEVEL OF SERVICE (LOS)

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- **WHAT**

- *LOS is the quality of the service provided to the user*
- LOS is different than Highway Capacity Manual
- Criteria for determining LOS
  - ◇ Easily understood by professional and public
  - ◇ Measures are
    - \* Reliable
    - \* Repeatable
    - \* Affordable
  - ◇ Targets are realistic (current and future)
  - ◇ Data is readily available, easy to collect and update
  - ◇ Translate LOS into \$\$ needed to maintain and incrementally increase to target LOS

# Program & Resource Plan (10 year)

Category	NCMIN Tier	Mode/Type/Unit	Previous Yr Actual		Current Year		First Five Years								5 Year Total		Next Four Years								4 Year Total		10 Year Total		
			07/08		08/09		09/10		11		11/12		12/13		13/14		14/15		15/16		16/17		17/18		4 Year Total		10 Year Total		
			\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	\$	LOS	
Safety	Statewide	Highways	1,297.3		1,169.0																								
		Rail																											
		Public Transportation																											
		Ferry																											
		Aviation																											
	Regional	Bicycle & Pedestrian																											
		Highways																											
		Rail																											
		Public Transportation																											
		Ferry																											
	Sub-Reg	Aviation																											
		Bicycle & Pedestrian																											
		Highways																											
		Rail																											
		Public Transportation																											
Mobility	Statewide	Ferry																											
		Aviation																											
		Bicycle & Pedestrian																											
		Highways																											
		Rail																											
	Regional	Public Transportation																											
		Ferry																											
		Aviation																											
		Bicycle & Pedestrian																											
		Highways																											
	Sub-Reg	Rail																											
		Public Transportation																											
		Ferry																											
		Aviation																											
		Bicycle & Pedestrian																											
Infrastructure Health	Statewide	Highways																											
		Bridges																											
		Rail																											
		Public Transportation																											
		Ferry																											
	Regional	Aviation																											
		Bicycle & Pedestrian																											
		Rest Areas																											
		Weigh Stations																											
		Highways																											
	Sub-Reg	Bridges																											
		Rail																											
		Public Transportation																											
		Ferry																											
		Aviation																											

- ***WHY***

- Accountability, Efficiency, Transparency
- Link between prioritization/planning and delivery/performance
- Sets funding targets
- Allocate funds between programs
- Links key performance data elements to budget
- Describes what will be accomplished

10 Year  
Program &  
Resource Plan

- PLACEHOLDER – GO TO PDF TO SHOW PRIORITIZATION DASHBOARD TOOL

# Comments/Responses - SPOT Prioritization Process

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- Timeframe too short for implementation
  - SPOT first announced Nov. 2008 at NCAMPO meeting
  - Already delayed from April to September
  - Need to complete prioritization for Draft STIP next year
  
- Details of Model not clear. Some want a pilot. Some want to see results.
  - Agree that power point was not sufficient detail
  - Pilot of 15 projects shown today
  
- More public participation and outreach
  - Some outreach completed this Spring (accomplished through Secretary's survey)
  - Program Development intends to do additional public participation when Draft STIP is released next year
  - Expanded list of invitees to today's workshop

# Comments/Responses- SPOT Prioritization Process

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- Model is not Multi-Modal
  - Agree it is highway driven now
  - What is multi-modal?
  - Additional points for multi-modal?
  
- Model appears to be too complex. Source of data, criteria used, ranking methodology questioned.
  - Model built around Department Goals
  - Data points are simple
  - Methodology is straightforward
  
- Equity Not Addressed
  - Agree. This is a needs-based approach
  - Equity will be applied later to show its impact on meeting needs

# Comments/Responses - SPOT Prioritization Process

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- Ranking Criteria should be 50-50 for all projects
  - Reviewed proposed breakdown
  - Process is to be data driven, particularly on Statewide Tier
  - Prioritization Matrix reflects the level of interest and responsibility
  
- DA Attributable Projects should be excluded
  - Needs based model not funds-based
  - Projects funded only w/DA funds do NOT need to be ranked
  - Projects using a combination of DA funds and other State and Federal funds must be ranked
  - Locals will still select DA projects
  
- Model appears biased towards urban areas
  - Model is data driven and does not give more points for rural vs. urban. Mobility issues will most likely be in urbanized areas.

# Comments/Responses - SPOT Prioritization Process

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- No Points yet assigned to qualitative questions
  - Questions are no longer necessary to answer
  
- How will project rankings be used in TIP?
  - Transportation Reform Process is new
  - Years 1-5 are committed projects for delivery
  - Years 6-10 are projects in planning--getting ready for delivery
  - Priorities only for years 6-10 and SPOT ranking methodology is for highway (I, R, U type) projects only
  
- Role of Secretary to change priorities must be clearly spelled out
  - Can not now anticipate every criteria.
  - Commit to explain why and should be on an exception basis

# Comments/Responses - SPOT Prioritization Process

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- Concern that Working Group “endorsed” the process
  - Working group endorsed sending it for comments
  - Process still being refined based on comments received
- Enhancement, Bike-Ped and CMAQ not included
  - SPOT was unsuccessful in comparing these vs. highway projects
  - Each will be handled separately in their respective program areas
- Should the number of projects to be ranked be higher?
  - MPOs/RPOs & Divisions only focus on Top 25
  - Only Highway (I, R, U type) projects ranked
  - Timeframe is 5 years (years 6-10)
  - MPOs/RPOs/Lead Business Units may submit as many projects as they believe will meet needs – future unconstrained list.

# Comments/Responses - SPOT Prioritization Process

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- Modal Divisions need to develop some form of data-driven methodology to rank their projects
  - Department intends to have this by the next Prioritization cycle (spring 2011)

# Outstanding Issues on SPOT Prioritization Process

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- Definition of Multi-modal and how to rank
  - Help SPOT Define, need your feedback by June 24
- Ranking Methodology for Non-highway modes – will not occur in this initial prioritization effort

## Final Points

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- What do MPOs/RPOs need to do to prepare for Sept. 1?
  - *SPOT will provide final 60 month let list after BOT approval*
  - Rank Top 25 highway projects (I, R, U type)
  - Review rankings of Top 25 with respective TCC's and TAC's
  - Provide any other projects (highway or non-highway) not already in STIP database (*creates future unconstrained list for DOT*)
  - Communicate with your respective Division Engineer

# Question and Answer Session

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- QUESTIONS

DCHC MPO - FY 2011-2017 Transportation Improvement Program Regional Priority List  
Division 5 – Top Priority List

Adopted February 11, 2009

Rank	Name (limits)	Jurisdiction	Miles	Funding Sources	Cost
1	C-5102 Transportation Demand Management	MPO-wide		CMAQ, O, STP	\$17,000,000
2	Intelligent Transportation System Improvements <ul style="list-style-type: none"> <li>• Triangle Transit – Real Time Passenger Information - \$700,000</li> <li>• Additional projects will be determined during the ITS Strategic Deployment Plan Update.</li> </ul>	MPO-wide		Highway and Public Transit Sources	Total cost TBD by study
3	U-0071 East End Connector (NC 147 to US 70) new highway facility	D, DC	2.9	T, Highway Sources	\$161,792,000
4	2011 Transit Projects <ul style="list-style-type: none"> <li>• Preventative maintenance and routine capital items <ul style="list-style-type: none"> <li>○ Triangle Transit - \$7,000,000</li> <li>○ DATA - \$3,500,000</li> </ul> </li> <li>• Replacement buses <ul style="list-style-type: none"> <li>○ Triangle Transit – 28 buses - \$8,900,000</li> </ul> </li> <li>• Replacement vans <ul style="list-style-type: none"> <li>○ Triangle Transit – 58 vanpool vans - \$1,300,000</li> <li>○ Triangle Transit – 6 paratransit vans - \$320,000</li> <li>○ DATA – 15 ADA vans - \$570,000</li> </ul> </li> <li>• Service vehicles <ul style="list-style-type: none"> <li>○ DATA - 6 replacement service vehicles - \$180,000</li> </ul> </li> <li>• Expansion service <ul style="list-style-type: none"> <li>○ Light Rail Service - Durham - Chapel Hill - alternatives analysis and preliminary engineering and design - \$2,750,000</li> <li>○ Light Rail Service – Raleigh-RTP-Durham – alternatives analysis and preliminary engineering and design - \$2,000,000</li> <li>○ Triangle Transit – 23 expansion buses - \$9,100,000</li> <li>○ Triangle Transit – 80 vanpool vans - \$1,700,000</li> <li>○ Triangle Transit – Planning Assistance - \$7,000,000</li> <li>○ Triangle Transit – 9 paratransit vans - \$357,000</li> <li>○ DATA – 8 40’ expansion buses - \$5,760,000</li> <li>○ DATA – passenger amenities (30 shelters +100 benches) - \$500,000</li> </ul> </li> </ul>	D, TT		STP, CMAQ, Public Transit Sources	\$50,937,000
5	Fayetteville Rd. (Cornwallis Rd. to Nelson) bike lanes and sidewalks	D, DC	1.1	STP, CMAQ, SRTS, State Highway Sources	\$356,000
6	Avondale Dr. (Roxboro Rd. to Geer St.) bike lanes and sidewalks	D, DC	1.1	STP, CMAQ, State Highway Sources	\$515,000
7	U-3804 Hillandale Rd. (I-85 to Carver St.) widen to 4-lane divided, bike lanes, and sidewalks	D, DC	0.6	Highway Sources	\$11,191,000

DCHC MPO - FY 2011-2017 Transportation Improvement Program Regional Priority List  
Division 5 – Top Priority List

Adopted February 11, 2009

Rank	Name (limits)	Jurisdiction	Miles	Funding Sources	Cost
8	U-3308 Alston Ave. (NC 147 to NC 98) widen to 4-lane divided, bike lanes, and sidewalks	D, DC	0.9	Highway Sources	\$25,916,000
9	Fayetteville Rd. (Woodcroft Pkwy. To Riddle Rd.) widen to 4-lane divided, bike lanes, and sidewalks	D, DC	2.4	Highway Sources	\$21,100,000
10	NC 54 (I-40 east to NC 55) widen to multi-lane divided with bus rapid transit, bike lanes, and sidewalks	D, DC	5.3	Highway Sources	\$91,500,000
11	Ephesus Church Road (US 15-501 to Farrington Road) bike lanes, sidewalks, and safety improvements	CH, DC	2.1	STP, CMAQ, State Highway Sources	\$600,000
12	University Dr. (Garrett Rd. to Hope Valley Rd.) bike lanes and sidewalks	D, DC	2.9	STP, CMAQ, State Highway Sources	\$1,025,000
13	Fayetteville Rd. (Cornwallis Rd. to NC 147) streetscape design	D	2.2	STP, CMAQ, State Highway Sources	\$30,000,000
14	Holloway St. (Miami Blvd. to US 70) sidewalk and wide outside lanes	D, DC	0.4	STP, CMAQ, State Highway Sources	\$257,000
15	Hillandale Rd. (I-85 to NC 147) bike lanes and sidewalks	D, DC	0.9	STP, CMAQ, State Highway Sources	\$1,320,000
16	2012 Transit Projects <ul style="list-style-type: none"> <li>• Preventative maintenance and routine capital items <ul style="list-style-type: none"> <li>○ DATA - \$3,850,000</li> </ul> </li> <li>• Service vehicles <ul style="list-style-type: none"> <li>○ DATA - 4 replacement service vehicles - \$140,000</li> </ul> </li> <li>• Expansion service <ul style="list-style-type: none"> <li>○ DATA - 18 40' hybrid expansion buses - \$13,500,000</li> </ul> </li> </ul>	D, TT		STP, CMAQ, Public Transit Sources	\$17,490,000
17	U-4716 Hopson Rd./Church St. grade separation at RR, close Church St. RR crossing	D, DC	0.3	Highway and Rail Sources	\$6,500,000
18	Club Blvd. (Ruffin St. to Geer St.) bike lanes and sidewalks	D, DC	3.5	STP, CMAQ, State Highway Sources	\$2,978,000
19	Erwin Road (15-501 to NC 751) bike lanes, sidewalks, and safety improvements (design may vary along length)	CH, DC	1.1	STP, CMAQ, State Highway Sources	\$5,527,000
20	Cheek Rd. (Geer St. to Hardee St.) sidewalks	D, DC	0.5	STP, CMAQ, State Highway Sources	\$695,000
21	Dearborn Dr. (E. Club Blvd. to Old Oxford Rd.) bike lanes and sidewalks	D, DC	1.5	STP, CMAQ, State Highway Sources	\$2,389,000

DCHC MPO - FY 2011-2017 Transportation Improvement Program Regional Priority List  
Division 7 – Top Priority List

Adopted February 11, 2009

Rank	Name (limits)	Jurisdiction	Miles	Funding Sources	Cost
1	FY 2011 Transit Projects <ul style="list-style-type: none"> <li>• Preventative maintenance and routine capital items               <ul style="list-style-type: none"> <li>○ Triangle Transit - \$7,000,000</li> <li>○ Chapel Hill Transit - \$2,982,000</li> </ul> </li> <li>• Replacement buses               <ul style="list-style-type: none"> <li>○ Triangle Transit – 28 buses - \$8,900,000</li> <li>○ Chapel Hill Transit – 8 buses - \$2,800,000</li> </ul> </li> <li>• Replacement vans               <ul style="list-style-type: none"> <li>○ Triangle Transit – 58 vanpool vans - \$1,300,000</li> <li>○ Triangle Transit – 6 paratransit vans - \$320,000</li> <li>○ Chapel Hill Transit – 5 EZ-rider vans - \$384,000</li> <li>○ Chapel Hill Transit – 7 Safe-Ride vans - \$210,000</li> </ul> </li> <li>• Service vehicles               <ul style="list-style-type: none"> <li>○ Chapel Hill Transit – 8 - \$240,000</li> </ul> </li> <li>• Expansion service               <ul style="list-style-type: none"> <li>○ Light Rail Service - Durham - Chapel Hill - alternatives analysis and preliminary engineering and design - \$2,750,000</li> <li>○ Chapel Hill Transit - Park &amp; Ride Lot Expansion - Land Acquisition and Design - 1000 spaces - \$2,000,000</li> <li>○ Triangle Transit – 23 expansion buses - \$9,100,000</li> <li>○ Triangle Transit – 80 vanpool vans - \$1,700,000</li> <li>○ Triangle Transit – Planning Assistance - \$7,000,000</li> <li>○ Triangle Transit – 9 paratransit vans - \$357,000</li> <li>○ Chapel Hill Transit – 5 buses - \$1,800,000</li> <li>○ Hillsborough In Town Transit Circulator - \$198,000</li> <li>○ Hillsborough Train Station/Multi-modal Center - \$1,500,000</li> </ul> </li> </ul>	CH, C, H, OC, TT		STP, CMAQ, Public Transit Sources	\$50,541,000
2	Martin Luther King Jr. Boulevard/NC 86 Corridor (I-40 to North Street) sidewalks and bike lanes	CH	2.5	STP, CMAQ, State Highway Sources	\$3,945,000
3	Ephesus Church Road (US 15-501 to Farrington Road) sidewalks, bike lanes, and safety improvements	CH, DC	2.1	STP, CMAQ, State Highway Sources	\$600,000
4	NC 54 (Fordham Boulevard to Barbee Chapel Road) sidewalks and bike lanes	CH	1.2	STP, CMAQ, State Highway Sources	\$1,550,000
5	Erwin Road (15-501 to NC 751) sidewalks, bike lanes, and safety improvements (design may vary along length)	CH, DC	1.1	STP, CMAQ, State Highway Sources	\$5,527,000
6	Fordham Boulevard (Columbia St/US 15-501 South to Ephesus Church Road) sidewalks, wide-outside lanes, and transit accommodations	CH	4.0	STP, CMAQ, State Highway Sources	\$5,147,000

DCHC MPO - FY 2011-2017 Transportation Improvement Program Regional Priority List  
Division 7 – Top Priority List

Adopted February 11, 2009

Rank	Name (limits)	Jurisdiction	Miles	Funding Sources	Cost
7	18 Chapel Hill Intersections - bicycle and pedestrian improvements	CH	0.0	STP, CMAQ, State Highway Sources	\$1,542,000
8	Pedestrian and Bicycle Overpass/Underpass Across Fordham Boulevard between Manning Drive and Old Mason Farm Road	CH	0.0	STP, CMAQ, State Highway Sources	\$2,261,000
9	Bolin Creek Greenway (Martin Luther King Jr. Blvd. to Umstead Park.) multi-use path	CH	0.8	STP, CMAQ, State Highway Sources	\$1,500,000
10	C-5102 Transportation Demand Management	MPO-wide		CMAQ, O	\$17,000,000
11	Intelligent Transportation System Improvements <ul style="list-style-type: none"> <li>• Triangle Transit – Real Time Passenger Information - \$700,000</li> <li>• Additional projects will be determined during the ITS Strategic Deployment Plan Update.</li> </ul>	MPO-wide		Public Transit Sources	Total cost TBD by study
12	R-2825 South Churton Street Improvements (I-40 to the Eno River)	H, OC	2.5	Highway Sources	\$19,260,000
13	Nash Street (Faucette Mill to Dimmocks Mill) sidewalks	H	1.8	STP, CMAQ, State Highway Sources	\$679,000
14	North Greensboro (Weaver to Shelton) paint, median, bicycle signal detection, etc.	C	0.2	STP, CMAQ, State Highway Sources	\$200,000
15	Estes Drive (NC86 to Caswell Road) widen existing roadway to include two 12-foot travel lanes, four-foot bicycle lanes and sidewalks.	CH	0.7	STP, CMAQ, State Highway Sources	\$421,000
16	Estes Dr. Extension (Greensboro to NC 86) bike lanes, sidewalks, and transit accommodations and multi-use path to Williams Street	C, CH	2.6	STP, CMAQ, State Highway Sources	\$2,197,000
17	Piney Mountain (NC 86 to Riggsbee) turn lanes, sidewalks, bicycle lanes and transit accommodations	CH	1.0	STP, CMAQ, State Highway Sources	\$2,442,000
18	Morgan Creek Phase II (from the end of Phase I to Carrboro Town line.) multi-use path	CH	1.0	STP, CMAQ, State Highway Sources	\$3,500,000
19	NC 54 Sidepath (James Street to Anderson Park) multi-use path	C	0.8	STP, CMAQ, State Highway Sources	\$700,000
20	Fordham Boulevard (Ephesus Church Road to Elliott Road) sidewalks	CH	0.3	STP, CMAQ, State Highway Sources	\$175,000
21	Culbreth Road (Adam Way to Smith Level) sidewalks	CH	0.5	STP, CMAQ, State Highway Sources	\$165,000
22	Bolin Creek Phase IV (Umstead Park to Carolina North, follow Umstead Drive to Estes Drive, then along Estes Drive to Carolina North) multi-use path	CH	1.3	STP, CMAQ, State Highway Sources	\$2,500,000
23	Bolin Creek/Little Creek Greenway (Chapel Hill Community Center to Pinehurst Drive.) multi-use path	CH	1.3	STP, CMAQ, State Highway Sources	\$943,000
24	Old Fayetteville (NC 54 to McDougle School) sidewalks and bike lanes	C	1.0	STP, CMAQ, State Highway Sources	\$1,800,000

DCHC MPO - FY 2011-2017 Transportation Improvement Program Regional Priority List  
 Division 7 – Top Priority List

Adopted February 11, 2009

Rank	Name (limits)	Jurisdiction	Miles	Funding Sources	Cost
25	Franklin/Merritt Mill/Brewer/Main Intersection	C, CH	0.0	Highway Sources	\$1,000,000
26	Orange Grove Rd. Pedestrian Bridge	H, OC	0.0	STP, CMAQ, State Highway Sources	\$1,000,000
27	Orange Grove Rd Extension to US 70 Business	H, OC	0.3	Highway Sources	\$30,000,000
28	FY 2012 Transit Projects <ul style="list-style-type: none"> <li>• Preventative maintenance and routine capital items               <ul style="list-style-type: none"> <li>○ Chapel Hill Transit - \$3,190,000</li> </ul> </li> <li>• Replacement buses               <ul style="list-style-type: none"> <li>○ Chapel Hill Transit – 9 buses - \$3,250,000</li> </ul> </li> <li>• Expansion service               <ul style="list-style-type: none"> <li>○ Chapel Hill Transit - Park &amp; Ride Lot Expansion - Construction - 1000 spaces - \$5,000,000</li> </ul> </li> </ul>	CH, C, TT		STP, CMAQ, Public Transit Sources	\$11,440,000

DCHC MPO - FY 2011-2017 Transportation Improvement Program Regional Priority List  
Division 8 – Top Priority List

Adopted February 11, 2009

Rank	Name (limits)	Jurisdiction	Miles	Funding Source	Cost
1	CHT to Establish Bus Route from Pittsboro to Chapel Hill-Park & Ride Lot on US 15-501	CC	10.8	STP, CMAQ, Public Transit Sources	\$352,712 (annual operating cost)
2	C-5102 Transportation Demand Management	MPO-wide	0	CMAQ, O, STP	\$17,000,000
3	Area Plan in Cooperation with Cary (North of US 64, East of Jordan Lake)	CC	0	STP, Highway Sources	\$100,000
4	Intelligent Transportation System Improvements <ul style="list-style-type: none"> <li>• Triangle Transit – Real Time Passenger Information - \$700,000</li> <li>• Additional projects will be determined during the ITS Strategic Deployment Plan Update.</li> </ul>	MPO-wide	0	Highway and Public Transit Sources	Total cost TBD by study
5	NC 751 (US 64 to Durham County Line) widening	CC	9.4	Highway Sources	\$44,130,000
6	Jack Bennett Road [SR1717] (US 15-501 to Lystra Rd. [SR1721]) safety improvements	CC	3.2	Safety and Highway Sources	\$6,900,000
7	Hamlets Chapel Road [SR 1525] (Perry Harrison Elementary School) increase length of turn lanes	CC	0.2	Highway Sources	\$250,000
8	Lystra Road [SR 1721] (US 15-501 to Farrington Point Rd. [SR1008]) safety improvements	CC	4.6	Safety and Highway Sources	\$9,919,000
9	Lystra Road [SR 1721] (Jack Bennett Rd. [SR1717] to west side of N. Chatham Elementary) increase length of turn lanes	CC	0.4	Highway Sources	\$250,000
10	Jeremiah Drive [SR 1762] (Lystra Rd. [SR 1721] to End) elevate road for flood control	CC	0.8	Highway Sources	\$100,000



# CMAQ PROGRAM - REV. PROJECT SELECTION & PROGRAMMING

NOVEMBER 26, 2008

TCC 6/24/09 Attachment 8

PAGE 1 OF 2

The North Carolina Department of Transportation (NCDOT) is soliciting proposals for candidate transportation projects to be considered for funding under the Congestion Mitigation & Air Quality (CMAQ) Improvement Program for the Federal Fiscal Years 2013 – 2017. Metropolitan Planning Organizations (MPO) and Rural Planning Organizations (RPO) responsible for transportation planning in air quality non-attainment or maintenance areas are invited to work cooperatively with their member jurisdictions to develop & submit candidate project proposals to be programmed in the 2011 – 2017 State Transportation Improvement Program (STIP).

Please note the following requirements for all candidate projects:

- **APPLICATION** – All candidate project proposals require a completed CMAQ application and supporting details. This information is necessary to adequately determine the CMAQ eligibility of each proposal based on Federal guidance.

A copy of the CMAQ application is attached; in addition, the application may be downloaded in Microsoft Word format from the [NCDOT E-forms database](#) (search for "CMAQ Application").

- **FEDERAL PROJECT REQUIREMENTS** - Since the CMAQ program is funded by the Federal Highway Administration (FHWA), all CMAQ projects must follow Federal laws and regulations. The *CMAQ Program Implementation Project Manager's Guide*, which can be found on the [Transportation Planning Branch website](#), explains these requirements.

**MPO/RPO ENDORSEMENT** – All candidate project proposals require endorsement by the associated MPO/RPO. Endorsement may be demonstrated through resolution or letter of support. A single letter or resolution endorsing all candidate project proposals within the MPO/RPO is acceptable. An example resolution is attached.

It is the responsibility of each individual MPO/RPO to evaluate candidate project proposals and prioritize them based on the anticipated air quality emissions benefits; cost of construction or implementation and/or priorities of the MPO/RPO.

Candidate statewide project proposals also require endorsement of the associated MPO(s) or RPO(s). Sponsors of candidate statewide project proposals should coordinate directly with these groups for endorsement. The current contact for each MPO/RPO in North Carolina can be found in the directory on the NCDOT website ([Metropolitan Planning Organizations - MPO](#) or [Rural Planning Organizations - RPO](#)).

- **PROJECT LOCATION** – CMAQ funds may only be expended within air quality non-attainment and maintenance areas, as listed below. Counties marked with an asterisk (\*) are only partially designated non-attainment or maintenance; candidate project proposals within these counties must be within the non-attainment or maintenance portion of the county.

Cabarrus	Davidson	Forsyth	Granville	Iredell*	Mecklenburg	Person	Union
Catawba	Durham	Franklin	Guilford	Johnston	Nash	Rowan	Wake
Chatham*	Edgecombe	Gaston	Haywood*	Lincoln	Orange	Swain*	

**THE DEADLINE FOR RECEIPT OF CANDIDATE PROJECT PROPOSALS BY NCDOT IS FRIDAY, SEPTEMBER 4, 2009**



# CMAQ PROGRAM - REV. PROJECT SELECTION & PROGRAMMING

NOVEMBER 26, 2008

TCC 6/24/09 Attachment 8

PAGE 2 OF 2

- **ELIGIBLE PROJECT TYPES** – Eligible project types are defined in The Congestion Mitigation and Air Quality (CMAQ) Improvement Program under the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users Interim Program Guidance. Please review these guidelines before project proposals are developed.
- **MINIMUM PROJECT COST** – Individual candidate project proposals will be subject to a minimum cost threshold of **\$100,000**.
- **SUBMISSION OF PACKAGES** - All candidate project proposal packages must be submitted in hard copy format. Email submissions are not allowed. The deadline for receipt of packages is **September 14, 2009**.
- Any funds not programmed for eligible projects through this process will revert to the unprogrammed CMAQ fund balance and be redistributed during the next TIP cycle according to the NCDOT CMAQ Allocation Formula.
- **FUNDING FOR CMAQ PROJECTS IS SUBJECT TO THE AVAILABILITY OF FUNDS. NCDOT RESERVES THE RIGHT TO DENY FUNDING FOR ANY CANDIDATE PROJECT PROPOSAL, PENDING FUNDING AVAILABILITY. IN THIS EVENT, NCDOT WILL WORK WITH THE MPO/RPO AND LOCAL PROJECT SPONSORS TO DETERMINE THE FINAL LIST OF APPROVED CMAQ PROJECTS BASED ON ACTUAL FUNDING AVAILABILITY.**

## TIMELINE FOR PROGRAMMING FY 2013 – FY 2017 TARGET FUNDS FOR INCLUSION IN 2011 – 2017 STIP

November 26, 2008	Proposal solicitation process begins
April 1, 2009 – June 1, 2009	Informational sessions held to educate potential project sponsors on CMAQ awards with respect to Federal Aid funding process & requirements
September 4, 2009	Deadline for receipt of candidate project proposals by NCDOT
September 14, 2009 – December 11, 2009	Interagency review of submitted proposals & follow up coordination with sponsors, as needed.
December 18, 2009	Approved CMAQ project list submitted to TIP Development Unit for inclusion in Final 2011 – 2017 STIP
June 3, 2010	Final BOT approval of 2011 -2017 STIP, including approved CMAQ projects

**THE DEADLINE FOR RECEIPT OF CANDIDATE PROJECT PROPOSALS BY NCDOT IS FRIDAY, SEPTEMBER 4, 2009**

## DURHAM-CHAPEL HILL-CARRBORO MPO CMAQ SUMMARY

STIP #	Original STIP	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
C-4927	2006 - 2012	\$ 587,337.00	\$ 587,337.00	\$ 587,337.00									
C-4928	2006 - 2012				\$ 222,180.00	\$ 222,180.00							
C-4929	2006 - 2012	\$ 12,800.00	\$ 12,800.00	\$ 12,800.00									
C-4930	2006 - 2012	\$ 469,869.00	\$ 469,869.00	\$ 469,869.00									
C-4931	2006 - 2012	\$ 12,500.00	\$ 13,000.00	\$ 13,520.00									
C-4932 A	2006 - 2012			\$ 22,242.00	\$ 41,104.00	\$ 41,104.00	\$ 41,104.00						
C-4924 B	2006 - 2012	\$ 40,000.00	\$ 40,000.00	\$ 40,000.00									
C-4402	2006 - 2012		\$ 100,000.00	\$ 364,000.00	\$ 364,000.00								
C-5102 B	2009 - 2015				\$ 275,000.00	\$ 304,000.00	\$ 279,000.00	\$ 299,000.00					
C-5103 (PURCH)	2009 - 2015				\$ 864,000.00								
C-5103 (OP)	2009 - 2015				\$ 238,000.00	\$ 247,000.00							
C-5104 (PURCH)	2009 - 2015				\$ 1,360,000.00								
C-5104 (OP)	2009 - 2015				\$ 91,000.00	\$ 94,000.00	\$ 97,000.00						
<b>Programmed Target Allocation</b>		\$ 1,122,506.00	\$ 1,223,006.00	\$ 1,509,768.00	\$ 3,455,284.00	\$ 908,284.00	\$ 417,104.00	\$ 299,000.00	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Yearly Target Allocation</b>		\$ 1,333,200.12	\$ 1,333,200.12	\$ 1,333,200.12	\$ 1,333,200.12	\$ 1,333,200.12	\$ 1,333,200.12	\$ 1,333,200.12	\$ 2,036,431.99	\$ 2,036,431.99	\$ 2,036,431.99	\$ 2,036,431.99	\$ 2,036,431.99
<b>Unprogrammed Target Allocation</b>		\$ 210,694.12	\$ 110,194.12	\$ (176,567.88)	\$ (2,122,083.88)	\$ 424,916.12	\$ 916,096.12	\$ 1,034,200.12	\$ 2,036,431.99	\$ 2,036,431.99	\$ 2,036,431.99	\$ 2,036,431.99	\$ 2,036,431.99

Target Funds Remaining from 2004 Call = \$ 397,448.84

Target Funds Available for 2011-2017 STIP = \$ 8,145,727.98 (Based on assumed total NC CMAQ funding allocation of \$30,000,000 per year . The exact amount of CMAQ funds is subject to change based on funding availability.)

## MEMORANDUM

**To:** Transportation Advisory Committee (TAC)  
DCHC MPO

**From:** DCHC MPO Lead Planning Agency

**Date:** June 10, 2009

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

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This memorandum provides a summary status of tasks for projects in the FY 2008-2009 Unified Planning Work Program.

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

### **2008-09 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 – August 2008
- ✓ Public Outreach for Alternative – August-September 2008
- ✓ Public Hearing on the LRTP Alternative – September 10, 2008
- ✓ Release of the Preferred Option for Public Comments and Input – October 2008.
- ✓ Public Hearing on the Preferred Option – November 12, 2008
- ✓ Approval of 2035 LRTP to be used for air quality analysis – February 2009
- ✓ Air analysis and Inter-Agency Coordination – February 2008 to March 2009
- ✓ Release of draft 2035 LRTP Conformity report – March 2009
- ✓ TAC approval of LRTP Conformity Determination – May 2009

#### **NC 54/I-40 Corridor/Sub-Area Study**

- ✓ Staff study initiation meeting
- ✓ Draft scope of services

- ✓ Agency review of scope and time
  - ✓ Request for Proposal notice – October 2008
  - ✓ Proposal due January 2009
  - ✓ Consultant selected
  - ✓ Contract negotiation underway
  - ✓ Council contract approval May 18, 2009
- Notice to Proceed – June 2009  
Study completion – April 2010

**MPO Parking Survey and Study (to be undertaken in 2009)**

Parking model specification  
Regional Coordination  
Draft scope of services  
Request for Proposal notice – July 2009  
Consultant selection September/October 2009  
Council contract approval November/December 2009  
Project commences – January/February 2010

**Commercial Vehicle/Freight Survey**

- ✓ Model specification - September 2008
- ✓ RFP/Scope of services - September/October 2008
- ✓ Consultant Selection – November 2008
- ✓ Notice to Proceed/Project Kick-off – December 2008
- ✓ Field survey/data collection underway
- ✓ Consultant selected
- ✓ Notice-to-Proceed issued
- ✓ Project underway

**GIS/Data Integration and Automation**

- ✓ Phase I in progress
- ✓ Initial Kick of meeting and scan completed
- ✓ Initiation Workshop report completed
- ✓ Draft Requirement Assessment & Application Development Report - October 2008

GIS Warehouse Design & Implementation - underway  
Functional TELUDE Development -underway  
Development of Common Maps, Models & Reports - underway  
TELUDE Implementation, Testing and Evaluation  
TELUDE Computing Environment  
Deployment, Documentation, Users Guide and Training

**Land-use Model development**

- ✓ Multi-year project in progress
- ✓ Review of existing data and need/requirement analysis completed
- ✓ Land use data collection completed
- ✓ Development of Model specification Completed

- ✓ Model architecture and design completed
- Database for UrbanSim model - underway
- Phase 1 model development - underway
- Demographic and Economic Transition Models
- Household and Job Location Choice Models
- Development Models
- Price Models
- Accessibility and TRM Interface
- Integration of Model Outputs
- Training, documentation, User's manual
- Final Presentation

### **Non-Motorized Model development**

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

### **ITS Deployment Plan**

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

### **Farrington Road/Stagecoach Road Corridor Study**

- ✓ This study involved the following tasks:

1. Data collection and analysis
  2. Traffic circulation plan (including a collector street system plan)
  3. Sub-area modeling analysis and forecast of future demand
  4. Alternative evaluation
  5. Recommendation
- ✓ Kimley Horn and Associates is the consultant
  - ✓ Data collection underway
  - ✓ Steering Committee proposed
  - ✓ Completion of study expected in January
  - ✓ Integration in the 2035 LRTP
  - ✓ Draft report complete
  - ✓ Presentation at August 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 2009

#### **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 after 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 2009

<p><b>Contract Number:</b> C200840  <b>Physical Division:</b> 5  <b>Administrative Division:</b> 5  <b>Length:</b> 6.363 miles  <b>Resident Engineer:</b> Jeffrey D. Allen, PE  <b>Location Description:</b> NC-54 FROM SR-1999 IN DURHAM CO TO SR-1959 IN DURHAM CO &amp; SR-1999 FROM SR-3014 IN WAKE CO TO NC-54 IN DURHAM CO.  <b>Type of Work:</b> WIDENING, GRADING, DRAINAGE, PAVING, SIGNALS &amp; CULVERTS.  <b>Contractor Name:</b> C C MANGUM COMPANY LLC  <b>Contract Amount:</b> \$35,467,891.08  <b>Availability Date:</b> 2/5/2007  <b>Completion Date:</b> 11/1/2009  <b>Revised Completion Date:</b> 11/22/2009  <b>Last Estimate Thru:</b> 4/30/2009  <b>Last Estimate Paid:</b> 5/15/2009</p>	<p><b>Route:</b> NC-54  <b>County:</b> Durham  <b>TIP Number:</b> R-2904, U-4026  <b>Federal Aid Number:</b> STP-54(5)  <b>RE Phone Number:</b> (919)733-9499  <b>Cost Overrun/Underrun:</b> 7.1%  <b>Letting Date:</b> 12/19/2006  <b>Work Began:</b> 2/19/2007  <b>Estimated Completion:</b> 11/1/2009  <b>Scheduled Progress:</b> 69.4%  <b>Actual Progress:</b> 77.26%</p>
<p><b>Contract Number:</b> C201487  <b>Physical Division:</b> 5  <b>Administrative Division:</b> 5  <b>Length:</b> 1.769 miles  <b>Resident Engineer:</b> Chad D. Hinnant  <b>Location Description:</b> BRIDGES OVER SANDY CRK &amp; TRIBUTARY &amp; APPROACHES ON SR-1116, SR-1126 NEAR US-15/501 &amp; SR-1116, US-15/501 AT MT MORIAH RD.  <b>Type of Work:</b> GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.  <b>Contractor Name:</b> DLB, INC DBA DLB INC (OF VA)  <b>Contract Amount:</b> \$18,810,912.36  <b>Availability Date:</b> 10/1/2007  <b>Completion Date:</b> 8/1/2010  <b>Revised Completion Date:</b> 8/3/2010  <b>Last Estimate Thru:</b> 4/30/2009  <b>Last Estimate Paid:</b> 5/20/2009</p>	<p><b>Route:</b> US-15  <b>County:</b> Durham  <b>TIP Number:</b> B-3450, U-4009, U-4012  <b>Federal Aid Number:</b> BRSTP-1116(6)  <b>RE Phone Number:</b> (919)220-4680  <b>Cost Overrun/Underrun:</b> 1.51%  <b>Letting Date:</b> 8/21/2007  <b>Work Began:</b> 10/1/2007  <b>Estimated Completion:</b> 8/3/2010  <b>Scheduled Progress:</b> 36.1%  <b>Actual Progress:</b> 37.97%</p>
<p><b>Contract Number:</b> C201783  <b>Physical Division:</b> 5  <b>Administrative Division:</b> 5  <b>Length:</b> 0.284 miles  <b>Resident Engineer:</b> Cadmus Capehart, PE  <b>Location Description:</b> CULVERT ON SYCAMORE CREEK AND APPROACHES ON SR-1839.  <b>Type of Work:</b> GRADING, DRAINAGE, PAVING &amp; STRUCTURE.  <b>Contractor Name:</b> MOUNTAIN CREEK CONTRACTORS, INC.  <b>Contract Amount:</b> \$1,174,705.74  <b>Availability Date:</b> 4/28/2008  <b>Completion Date:</b> 5/15/2009  <b>Revised Completion Date:</b> 6/1/2009  <b>Last Estimate Thru:</b> 5/15/2009  <b>Last Estimate Paid:</b> 5/28/2009</p>	<p><b>Route:</b> SR-1839  <b>County:</b> Durham  <b>TIP Number:</b> B-3528  <b>Federal Aid Number:</b> BRZ-1839(1)  <b>RE Phone Number:</b> (919)840-0914  <b>Cost Overrun/Underrun:</b> 5.01%  <b>Letting Date:</b> 3/18/2008  <b>Work Began:</b> 5/12/2008  <b>Estimated Completion:</b> 6/5/2009  <b>Scheduled Progress:</b> 95.5%  <b>Actual Progress:</b> 90.56%</p>

**ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC WFO** TC 09/09 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	Bid opening cancelled
Orange	39276 MA07120R	SR 1942 (Jones Ferry Rd.) from SR 1140 (Wilson Rd.) to Chatham Co.	Widen existing pavement to 22' with a 1' paved shoulder on each side and resurface. Finished pavement width will be 24'.	\$800,000	Combine NCMA funds with resurfacing funding; Spending Authority for '09-'10
Orange	41593 U-4726xx	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 STP-DA ARRA sidewalk project ; design, R/W/U underway- M.A. pending
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	Installation pending utility relocation; given Spending Authority '09-'10
Orange	42486	SR 1008 (Mt. Carmel Ch. Rd.) @ SR 1913 (Bennett Rd.)	Install solar powered flashers at both approaches to the intersection	\$10,000	FA const. given Spending Authority '09-'10; may need electric power
Orange	42501	US 15/501/NC54 (Fordham Blvd.) at SR 1900 (Old Mason Farm Rd.)	Construct bus pulloffs on both sides	\$140,000	FA const. given Spending Authority '09-'10
Orange	42502	SR 1010 (Franklin St.) between Hillsborough St. and Plant Rd.	Replace deteriorated curb and gutter at several locations on both sides	\$30,000	Municipal Agreement pending
Orange	B-4218	SR 1730 (Turkey Farm Rd.)	Replace Bridge # 108 over New Hope Creek	\$750,000.00	Dane Const., Inc. = 72.84% complete
Orange	B-4592	SR 1561 (Lawrence Rd.)	Replace Bridge # 64 over the Eno River	\$1.6 million	Sanford Contractors, Inc. = 61.5 % complete

**ACTIVE NCDOT PROJECTS LOCATED IN ORANGE COUNTY - DCHC WFO** TC 0024/09 Attachment 12

Orange	42170 SS- 4907 T 42204.2 42204.1	SR 1710 (Old NC 10) @ NC 86	Construct a right turn lane on SR 1710 and install a traffic signal	\$215,000	Design underway; minor R/W & utility relocation
Orange	42171 SS- 4907 U 42205.2 42205.1	SR 1710 (Old NC 10) @ SR 1713 (Mt. Herman Church Road)	Improve sight distance on SR 1710 by lowering the crest vertical curve on the westbound approach to the intersection	\$300,000	Design underway
Orange	42423.3 42423.1 SS -4907V	SR 1005 (Old Greensboro Rd.) @ SR 1951 (White Cross Rd.)	Realign intersection	\$165,000	Design pending field review and survey
<b>NCDOT PROJECTS CURRENTLY IN 12 MONTH LETTING LIST</b>					
<b>County</b>	<b>TIP #</b>	<b>Route</b>	<b>Location Description</b>	<b>TIP Est.</b>	<b>Est. Let Date</b>
Orange	B-4216	SR 1002 (St. Mary's Road)	Replacement of Bridge # 66 over Stroud's Creek	\$875,000	Jan. 19, 2010
Orange	I-4716	I-40	Grind and reseal joints on I-40 from I-85 to Durham Co. ( Scope may be revised)	\$1.05 million	Sept. 15, 2009
Orange	U-0624	NC 86 (S. Columbia St.)	Corridor upgrade including Bicycle lanes from SR 1906 (Purefoy Rd.) to SR 1902 (Manning Dr.)	\$4.40 million	Oct. 20, 2009
<b>Orange</b>	<b>U-3100B</b>	<b>SR 1107 (Old Fayetteville Rd.) from NC 54 to SR 1106 (Stroud Lane)</b>	<b>Safety Improvements (Bicycle, Pedestrian, and Transit Accommodations)</b>	<b>\$1.8 million</b>	<b>Nov. 17, 2009</b>
Orange	U-4704	Chapel Hill- Carrboro	Computerized Traffic Signal System	\$5.0 million	Sept. 21, 2009