



**AGENDA**  
**Orange Unified Transportation Board**  
**May 22, 2013**  
**7:00 p.m.**

**You can bring your laptops/tablets if you would like to use them.**

**Conference Room 004 (Lower Floor) Orange County West Campus**  
**131 West Margaret Lane, Hillsborough**

<u>Time</u>	<u>Item</u>	<u>Page</u>	<u>Title</u>
7:00	1.		<b>Call to Order and Roll Call</b>
7:05	2.	3-6	<b>Approval of Minutes</b> Minutes from April 17, 2013
7:08	3.		<b>Consideration of Additions to the Agenda</b>
			<b>Regular Agenda</b>
7:10	4.	7-16	a. Review of St. Mary’s Road as a regional bicycle route – A segment of St. Mary’s Road between US 70 Bypass and the Durham County line was identified as a Regional Bicycle Facility on the Durham-Chapel Hill-Carrboro MPO draft Metropolitan Transportation Plan (MTP) On-Road Bicycle Facilities Map. The Planning staff asked that this designation be removed in favor of a preferred alternative consistent with Orange County’s approved bicycle routes. The DCHC TAC opted to: “Maintain St. Mary’s Road as a regional bicycle route in the MTP for the time being. As part of the DCHC MPO Comprehensive Transportation Plan (CTP), review other regional route alternative to St. Mary’s Road. If a route other than St. Mary’s Road is selected, amend the MTP to reflect the preferred regional route.”
			<b>OUTBoard Action:</b> To review materials and provide input to staff on the preferred regional bicycle route.
7:45		17-52	b. Prioritization of Orange County transportation projects from approved plans. (Note: Staff will provide a summary table at the meeting that includes new and old projects.)
8: 25	5.	53-56	<b>OUTBoard Action:</b> Review and begin prioritization of transportation projects.
			<b>Staff Updates</b>
			a. Strategic Mobility Formula and Prioritization
			b. Project updates from NCDOT.
8:45	6.		<b>OUTBoard Action:</b> Receive updates
			Upcoming Agenda Items of Interest on Other Regional Transportation Related Board Agendas
			<b>OUTBoard Action:</b> Receive information as a handout

<u>Time</u>	<u>Item</u>	<u>Page</u>
8:50	7.	<b>Meeting Schedule – June 21<sup>st</sup> – Triangle Transit presentation; No July Meeting</b>  <b>OUTBoard Action:</b> Receive information
8:52	8.	<b>Board Comments</b>  <b>OUTBoard Action:</b> Receive comments
9:00	9.	<b>Adjournment</b>

## DRAFT

MINUTES  
ORANGE UNIFIED TRANSPORTATION BOARD  
APRIL 17, 2013

MEMBERS PRESENT: Paul Guthrie, Chapel Hill Township; Jeff Charles, Bicycle Advocate; Alex Castro, Bingham Township; Susie Enoch, Cheeks Township; Sam Lasris, Cedar Grove Township; Ted Triebel, Little River Township; Amy Cole, Transit Advocate; Annette Jurgelski, Eno Township;

MEMBERS ABSENT: Bryant Warren, Hillsborough Township; Jeff Miles, Pedestrian Access & Safety Advocate; Economic Development Commission - Vacant; CfE Representative-Vacant; Planning Board Representative- Vacant;

STAFF PRESENT: Abigaile Pittman, Transportation/Land Use Planner; Tina Love, Administrative Assistant II

AGENDA ITEM I: CALL TO ORDER AND ROLL CALL

AGENDA ITEM II: APPROVAL OF MINUTES FOR FEBRUARY 20, 2013  
APPROVAL OF MINUTES FOR MARCH 20, 2013

The February 20, 2013 and March 20, 2013 OUTBoard Minutes were approved by consensus.

AGENDA ITEM III: CONSIDERATIONS OF ADDITIONS TO THE AGENDA

AGENDA ITEM IV: REGULAR AGENDA

Next Steps for Safe Routes to School (SRTS) Plan Adoption and Implementation. The Planning staff has received authorization from the BOCC to proceed with initial SRTS Action Plan adoption steps. Following adoption, the staff is recommending that the future SRTS Advisory Committee be a sub-committee of the OUTBoard, supplemented by additional staff as needed from the County, Orange County Schools, and the Town of Hillsborough. Related

documents: <http://www.orangecountync.gov/planning/documents/CompleteFinalDraftSRTS.pdf>

**OUTBoard Action:** To receive information in preparation for future OUTBoard role.

Abigaile Pittman reviewed the Safe Routes to School Plan and advised the role of advisory committee would be a subcommittee of the OUTBoard responsible for advocating plan implementation and assisting with programing, evaluating plan progress and assessing plan priorities. The subcommittee will include interested OUTBoard member, representatives for the schools, the Town of Hillsborough, and planning staff as needed. Others will be brought in as necessary, such as NCDOT regarding road improvement, etc. and consultation from engineers and so forth. Staff is meeting on April 30<sup>th</sup>.

Jeff Charles commented that it is a good segue to the WalkBike NC Plan because you can't do the SRTS Program by itself, it has to be integrated into the bigger plan because of connectivity issues and you can use the SRTS to help defend trying to get financing from NCDOT on the bicycle issues where they are trying to upgrade the monies. He noted his cautionary point is to make sure it is not in its own bunker working on just this little issue, and talk about more interconnectivity as it might relate to WalkBike NC Plans that NCDOT frees up these additional funds. It is certainly a long term plan that doesn't mean you don't certainly do what you can around the schools but make sure that there is a plan for interconnectivity somewhere down the road and think it through.

AGENDA ITEM V: REGULAR AGENDA

WalkBike NC Plan – a North Carolina Statewide Pedestrian and Bicycle Plan  
WalkBike NC is North Carolina's first statewide master plan to define a vision, goals and strategies for improving walking and bicycling for residents and visitors. The Plan identifies current conditions for walking and bicycling in North Carolina and serves as a policy guide for state agencies, local governments, and private sector interests to develop a transportation system that safely and efficiently accommodates walking and bicycling.

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56 The review period is short and the State is only accepting comments until April 30<sup>th</sup>.  
57 Therefore, the Plan has been pre-reviewed by OUTBoard Vice-Chair, Jeff Charles, and by  
58 planning staff member Abigaile Pittman. Related documents, including Draft Plan  
59 Summary, Full Draft Plan, on-line comment form, and community engagement forum  
60 (survey): <http://www.ncdot.gov/bikeped/planning/walkbikenc/>

61 **OUTBoard Action:** To receive review comments suggested by Jeff Charles and Abigaile  
62 Pittman, and consider recommended comments to be provided to NCDOT  
63

64 Abigaile Pittman reviewed the WalkBike NC Plan noting that WalkBike NC is North Carolina's first statewide master  
65 plan to define a vision, goals and strategies for improving walking and bicycling for residents and visitors. She  
66 shared the comments from staff and Jeff Charles.  
67

68 Jeff Charles noted that there was a lot of work put into this plan and he thinks the OUTBoard needs to give NCDOT  
69 staff kudos for doing a pretty good job. He added that he thinks it's important to tell them the positives and say 'oh by  
70 the way' there are other things. Jeff elaborated that they took very unique approach, a good one, in that they looked  
71 at economic factors, how it would improve tourism if we became a destination state for bicycling. They talked about  
72 health issues, the obesity rates of young children, we rank fifth or sixth in the nation in obesity in children. They also  
73 talk about economic benefits of health, safety, savings, environmental issues, increasing the use of these things. He  
74 would like to come up with a general statement applauding their efforts in highlighting the need for bicycle and  
75 pedestrian for all of these good reasons with the OUTBoard and staffs comments on how it can be improved.  
76

77 Abigaile Pittman advised that in her research online, that most other states have a safe routes for seniors programs.  
78

79 Jeff Charles noted that in the plan there is a benchmark reporting by the alliance for biking and walking from 2012.  
80 Safest states to bicycle, the safest state in the US is South Dakota, North Carolina is 44<sup>th</sup>, safest state for walking is  
81 Vermont and North Carolina is 41<sup>st</sup>. We are so far behind and we have to recognize they are taking an enormous  
82 step forward with this new approach.  
83

84 Paul Guthrie added that he thinks the plan is deficient in one way, it doesn't sufficiently indicate that for any of this to  
85 have any major long-term significance it has to integrated with the broader picture of transportation. That is  
86 especially true for this county where walking and biking will be the feeders to future transportation systems. We are  
87 beginning to look at the infancy of transportation systems across the entire county. One thing we need to is can that  
88 be the beginning of feeding for bus transportation, rail transportation and it doesn't speak to that in this plan. Paul  
89 references the statistic of 6.7% of residents without automobiles in the report and suggested that in rural areas of the  
90 county that rate is probably higher as high as 13%.  
91

92 Paul Guthrie suggested that the report should show examples.  
93

94 Jeff Charles elaborated that this is an enormous step. He noted that this is becoming a big issue in respect to  
95 bicycling infrastructure because we are looking for new modes of transportation in Orange County and we are seeing  
96 these scooters that can only go 30 mph in 55 mph zones and they are going to flow into the 4 foot bike lanes as  
97 bailout to allow vehicles to pass them. He noted that while Segways are not going to catch on but new technology,  
98 organic transit, they are 36 to 42 inches wide, so when you talk about a 4 or 5 foot lane that is a problem. He added  
99 that they are also designing a truck that could carry 850 lb. loads so you could envision that being used for pizza  
100 delivery or grocery delivery and meals on wheels. Jeff noted that the report cites a shift in demographics to 65 from  
101 13% today to about 20% and we need to broaden the thought process for the upright bicycles, scooters and other  
102 competing technology in these four foot bike lanes we are arguing for.  
103

104 Abigaile Pittman added that in some communities residents tool around in golf carts.  
105

106 Alex Castro agreed with Jeff's comments and staff's comments. Alex Castro moved to approve the submitted  
107 comments and the additional comments discussed at the meeting. Ted Triebel seconded the motion.  
108

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109 Ted Triebel added that his thoughts run parallel with Alex's and he was happy to see the work staff and Jeff did and  
 110 commended both. He particularly agrees with comment number 6 as going to the critical core to keep in mind going  
 111 forward.

112  
 113 The OUTBoard approved the submitted and discussed comments be submitted to NCDOT for the WalkBike NC Plan  
 114 by consensus.

115  
 116 **AGENDA ITEM VI:****STAFF UPDATES**

- 117 a. Update on staff meeting with NCDOT Rail Division regarding the three proposed  
 118 railroad private crossing closures in Orange County. Related  
 119 documents: <http://orangecountync.gov/planning/RRCrossingClosure.asp>  
 120 b. Update on proposed Old Well to Jordan Lake Scenic Byway.  
 121 c. Update on the Triangle Air Quality Report released on 4-3-13 for public comment.  
 122 Related documents: <http://www.triangleair.org/topics.htm#transconf>  
 123 d. Update on changes to the DCHC MPO 2040 MTP Bicycle Map based on comments by  
 124 Orange County Planning staff.  
 125 e. Update on workshop for TARPO Locally Coordinated Human Service Public  
 126 Transportation Plan.  
 127 f. Update on the upcoming development of the Eno Economic Development District  
 128 (EDD) Access Management Plan.

129 **OUTBoard Action:** Receive updates

130  
 131 Abigaile Pittman updated the OUTBoard that she and Craig Benedict met with the NCDOT Rail Division, the NCDOT  
 132 Planning Branch, and their consultant, Florence and Hutchinson on March 15<sup>th</sup> to review the remaining issues and  
 133 questions regarding the purposed rail crossing closing. NCDOT has responded in writing and there is a letter and  
 134 meeting minutes included in the packet. In the spring NCDOT will be completing the environmental assessment and  
 135 in the summer they will be conducting traffic impact analysis for extending Byrdville Road and Walter Clark Drive at  
 136 NC 86. In the fall they will finalize crossing improvement in the final environment assessment document. Final  
 137 design and right-of-way acquisitions will begin in early 2014 and in early 2015 they will begin construction.

138  
 139 Abigaile Pittman updated the Board on a proposed new scenic byway in the county. She noted that there are three  
 140 existing scenic byways in Orange County, the Colonial Heritage Highway along NC 86 north of Hillsborough; the  
 141 Football Road, Old Greensboro Road west of Carrboro; and the Scots-Welsh Heritage Byway, Old NC 86, Arthur  
 142 Minus, Orange Grove, and Dairyland Roads. Over the past two years DEAPR has worked on this byway which will  
 143 link downtown Chapel Hill to Jordan Lake. The proposed byway is 15 miles long and features a number of locations  
 144 with historical, natural, recreational, and educational values.

145  
 146 Abigaile Pittman updated the Board on the Triangle Air Quality Report released by the DCHC MPO for public  
 147 comment and the TAC approved the key components at their December meeting. She noted that staff has reviewed  
 148 it and has no comments.

149  
 150 Abigaile Pittman noted that the DCHC MPO 2040 MTP written report was released and approved back in December  
 151 2012 but the maps were released a few weeks ago and they had a mess of names for projects without real  
 152 descriptions and complicated financial spreadsheets but no maps. She reported that the bike map had several  
 153 issues and planning staff made comments to DCHC MPO TAC and as a result TAC approved changes to plan last  
 154 Wednesday when they met. Abigaile further noted that this is a compromise as some parts they wouldn't change  
 155 and some they did.

156  
 157 Jeff Charles noted that in his communications he agreed that it is a good compromise regarding Old NC 86.

158  
 159 Sam Lasris asked about the route alternative to NC 86 N around Coleman Loop Rd and Abigaile offered to bring all  
 160 the maps to the next meeting for the OUTBoard's review of the changes.

161  
 162 Abigaile Pittman advised the OUTBoard on the workshop for TARPO for locally coordinated human services  
 163 transportation. The workshop will be held on April 16<sup>th</sup> from 9 am to noon at Southern Human Services in Chapel

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164 Hill. She advised it will focus on the needs of rural Orange and Chatham Counties as part of the larger TARPO  
165 region and will not focus on the urban transit services provided by Chapel Hill Transit or Triangle Transit but more  
166 rural services provided by Orange Public Transit and Chatham Transit Network. This plan ensures that transit  
167 systems and other transportation providers in the region remain eligible for certain federal funds. Abigaile noted this  
168 plan is required by law in order to get federal funds and is needed to identify the specific areas of need for individuals  
169 with disabilities, seniors, and low income.

170  
171 Alex Castro advised that he will be attending and will put together a report for the OUTBoard.  
172

173 Abigaile Pittman updated the OUTBoard regarding the Eno EDD Access Management Plan that she will be heading  
174 up and noted the plan will provide better transportation system and capacities to serve the US 70 and Hwy 10 area.  
175 Staff will be asking approval to move forward at the May 7 BOCC meeting. Abigaile noted she anticipates that the  
176 OUTBoard will review that plan in September and make comments for the BOCC.  
177

178 **AGENDA ITEM VII: UPCOMING AGENDA ITEMS OF INTEREST ON OTHER REGIONAL TRANSPORTATION RELATED**  
179 **BOARD AGENDAS:**  
180 **OUTBoard Action:** Receive information as handout.  
181

182 Abigaile Pittman gave the OUTBoard handouts to review at their convenience.  
183

184 Jeff Charles asked about coordinating with Durham City/County planning for connectivity in bike plans.  
185

186 Abigaile Pittman will look into that and get back to Jeff.  
187

188 **AGENDA ITEM VIII: LISTING OF ITEMS FOR APRIL 17, 2013 MEETING**  
189 **OUTBoard Action:** Receive information  
190

191 Abigaile Pittman advised the OUTBoard that a transportation planner has been hired to fill the vacancy created when  
192 Darcy Zorio left to take a job at Triangle Transit. His name is Bret Martin and he will start on May 20<sup>th</sup> and will attend  
193 the May OUTBoard meeting.  
194

195 The OUTBoard moved, seconded and unanimously approved to change the May OUTBoard meeting from  
196 Wednesday, May 15<sup>th</sup> to Wednesday, May 22<sup>nd</sup>.  
197

198 **AGENDA ITEM IX: BOARD COMMENTS**  
199 **OUTBoard Action:** Receive comments  
200

201 **AGENDA ITEM X: ADJOURNMENT**  
202

203 The meeting was adjourned by consensus.  
204

205 **Items for future meetings:**  
206

- 207 • Send Jeff Charles the recommend route to be used as an alternative to St. Mary's Road
- 208 • Bring the Bike Maps to the May meeting
- 209

**ORANGE COUNTY  
ORANGE UNIFIED TRANSPORTATION BOARD (OUTBOARD)**

**REGULAR AGENDA ITEM ABSTRACT**

**Meeting Date:** May 22, 2013

**Regular Agenda  
Item No.** 4.a.

**SUBJECT:** Review of St. Mary's Road as a regional bicycle route

**DEPARTMENT:** Planning and Inspections

**PUBLIC HEARING:** (Y/N)

No

**ATTACHMENT(S):**

1. DCHC MPO Draft 2040 Metropolitan Transportation Plan (MTP) On-Road Facilities Map
2. Staff's Comment Letter (4-4-2013)
3. Orange County/NCDOT Bicycle Map
4. NCDOT/Orange County Comprehensive Transportation Plan (CTP) Bicycle Map
5. Town of Hillsborough Community Connectivity Plan Map

**INFORMATION CONTACT:**

Abigaile Pittman, Transportation/Land Use Planner, 245-2567

**PURPOSE:** To review materials related to the bicycle route classification of St. Mary's Road, and provide input to the Planning staff on the preferred regional bicycle route.

**BACKGROUND:** The DCHC MPO Transportation Advisory Committee (TAC) approved the key components of the 2040 Metropolitan Transportation Plan (MTP), such as the highway, bicycle and transit projects and the financial plan, at their December 2012 meeting. The TAC is the MPO's policy board and is the ultimate decision-making body on MPO plans. Then several months ago the DCHC MPO released the full report for the 2040 Metropolitan Transportation Plan (2040 MTP) and the related Air Quality Analysis and Conformity Determination report (AQ Conformity) for public comment, and the maps related to the MTP (including the On-Road Facilities Map).

Upon review of the DCHC MPO draft Metropolitan Transportation Plan (MTP) On-Road Bicycle Facilities Map (Attachment 1) staff noted that a segment of St. Mary's Road between US 70 Bypass and the Durham County line was identified as a Regional Bicycle Facility. The Planning staff asked that this designation be removed in favor of a preferred alternative consistent with Orange County's and the Town of Hillsborough's approved bicycle routes (Attachments 2, 3, 4 and 5). In response, the DCHC TAC opted to: "Maintain St. Mary's Road as a regional bicycle route in the MTP for the time being. As part of the DCHC MPO Comprehensive Transportation Plan (CTP), review other regional route alternatives to St. Mary's Road. If a route other than St. Mary's Road is selected, amend the MTP to reflect the preferred regional route."

## REVIEW OF EXISTING APPROVED ALTERNATE ROUTES

Orange County/NCDOT and Town of Hillsborough bicycle related plans are summarized below. Together, these plans support an alternate route utilizing New Sharon Church Road and Guess Road to connect northern Durham to Hillsborough.

### NCDOT/Orange County

The 2010 Orange County/NCDOT Bicycle Map ([Attachment 3](#)), reviewed and recommended by the OUTBoard, and approved by the Board of County Commissioners (BOCC) supports a route other than only St. Mary's to connect northern Durham to Hillsborough. The map depicts St. Mary's Road to New Sharon Church Road, to Guess Road, to the County line.

The Comprehensive Transportation Plan (CTP) prepared by NCDOT for rural Orange County was reviewed and recommended by the OUTBoard and approved by the BOCC in March. The approved CTP Bicycle Map ([Attachment 4](#)) depicts a bicycle route along New Sharon Church Road.

### Town of Hillsborough

In 2009 the Town of Hillsborough adopted a Bike Lane and Recommendations Map as part of its Community Connectivity Plan ([Attachment 5](#)). The Town's map supports a route other than St. Mary's to connect northern Durham to Hillsborough. The map depicts St. Mary's Road to New Sharon Church Road (which would then connect to Guess Road and then to the County line).

## OUTBOARD ACTION

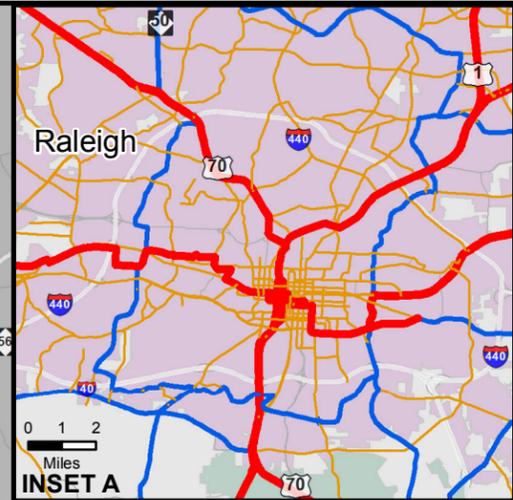
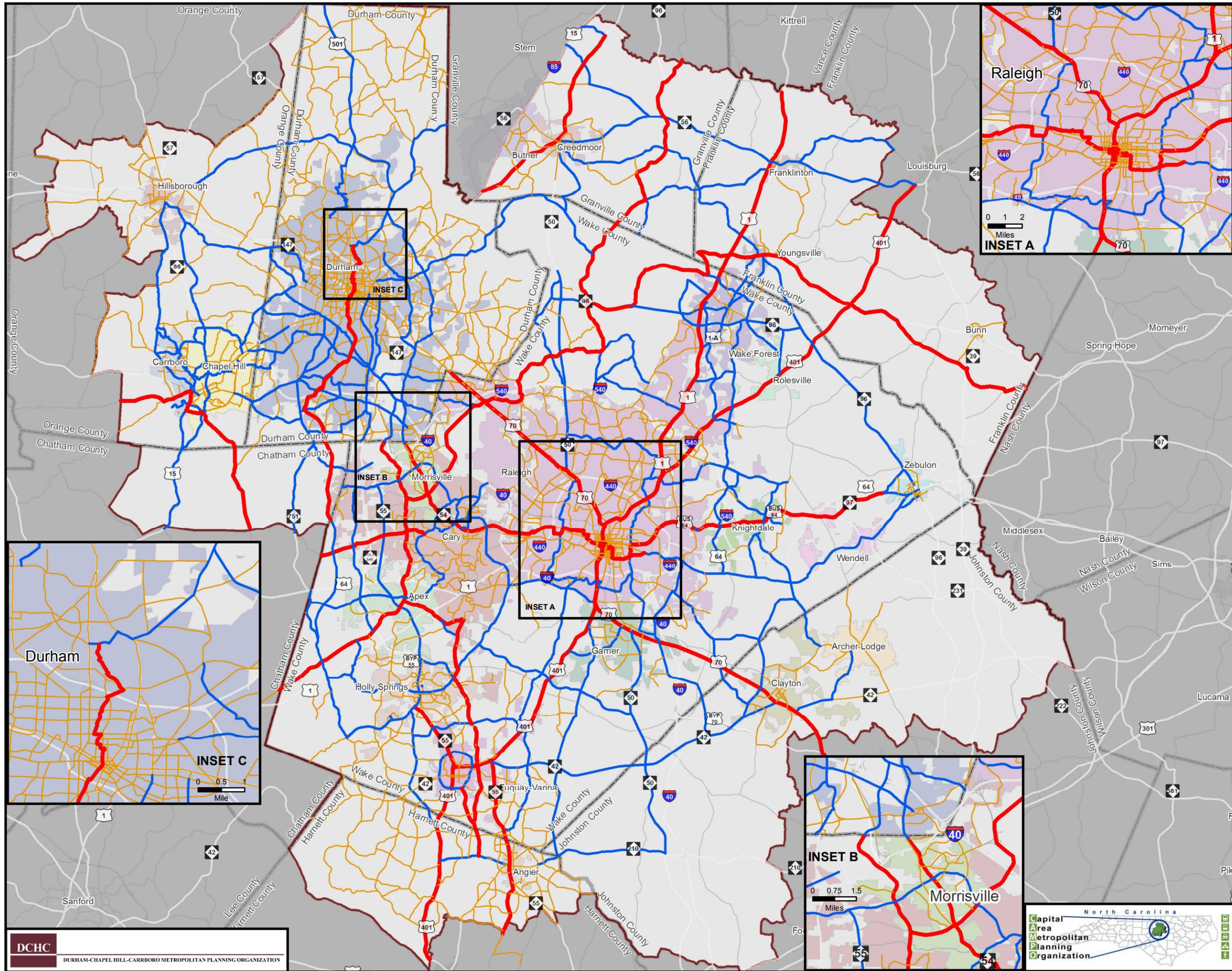
It is the OUTBoard's prerogative to review and comment on the DCHC MPO's designation of St. Mary's Road as a regional bicycle route from Hillsborough to downtown Durham. The staff requests that the OUTBoard provide input to the staff to:

1. Endorse the St. Mary's Road/New Sharon Church Road/Guess Road route as the preferred bicycle route to connect northern Durham to Hillsborough; OR
2. Endorse St. Mary's Road as the preferred bicycle route to connect northern Durham to Hillsborough; OR
3. Opt not to endorse any regional bicycle route connecting northern Durham to Hillsborough.

The staff also requests that the OUTBoard provide rationale for its chosen route, such as consistency with previously approved Orange County/NCDOT and Town of Hillsborough bicycle maps, safety of the route vs alternatives, right-of-way width or grade, etc.

# 2040 Metropolitan Transportation Plan

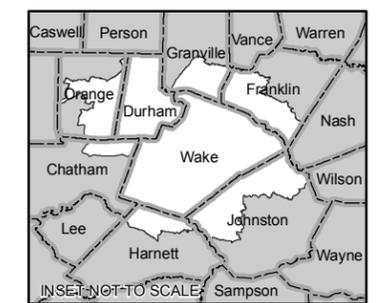
February 28, 2013



## On-Road Facilities

- State Bicycle Facilities
- Regional Bicycle Facilities
- Local Bicycle Facilities

\*DCHC MPO State and Regional routes are shown on the On-Road Facilities map. Appendix 4 provides a listing of the routes.



This map was compiled using the best available data, however, the Capital Area MPO is not responsible for errors, omissions, and/or misuse. Subject to change.



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# ORANGE COUNTY PLANNING & INSPECTIONS DEPARTMENT

Craig N. Benedict, AICP, Director

Current Planning  
 (919) 245-2575  
 (919) 644-3002 (FAX)  
[www.orangecountync.gov](http://www.orangecountync.gov)



131 West Margaret Lane  
 P O Box 8181  
 Hillsborough,  
 North Carolina, 27278

April 4, 2013

Durham-Chapel Hill-Carrboro MPO Technical Advisory Committee  
 c/o Andy Henry, Transportation Planner  
 City of Durham, Transportation Dept.  
 101 City Hall Plaza  
 Durham, NC 27701

Durham-Chapel Hill-Carrboro MPO Technical Advisory Committee:

On behalf of Orange County Planning Staff and consistent with County plans, the following comments/requests are offered on bicycle facilities included in the draft 2040 Metropolitan Transportation Plan. Specifically, these comments pertain to the "On-Road Bicycle Facilities Map" as provided on the DCHC MPO website:

<http://www.dchcmo.org/dmdocuments/2040MTPOffRoad.pdf>

1. Old NC 86 segment between New Hope Church and Davis is identified as a Regional Bicycle Facility. Consistent with the County's Comprehensive Transportation Plan (March 2013), we are requesting that this designation be removed. New NC 86 provides the preferred alternate connection to Hillsborough from points south (*If needed, the section of New Hope Church Road, connecting Old NC 86 to New NC 86 and beyond to Old NC 10, could be identified as a Regional Bicycle Facility rather than a Local Bicycle Facility*).
2. St. Mary's Road segment between US 70 Bypass and Durham County line is identified as a Regional Bicycle Facility. Consistent with the County's existing bicycle route system (2010 NCDOT bicycling brochure), we are requesting that this designation be removed. The preferred alternate to Hillsborough from the Durham County line is via Guess Rd., New Sharon Church Rd., Walker Rd., Miller Rd., to Saint Mary's Rd.
3. NC 86 North segment between the intersections with Coleman Loop Road is identified as a Local Bicycle Facility. Consistent with the County's Comprehensive Transportation Plan (March 2013), we are requesting that this designation be removed and Coleman Loop Road be used as the preferred alternate.
4. Orange Grove Road and Dodsons Crossroads Road segments within MPO boundaries could be shown as Regional Bicycle Facilities rather than Local and may provide more of a regional connection south to Chatham County. The Orange County Comprehensive Transportation Plan includes the connections that complete the route.

A sketch map is attached as a reference and key to the above comments.

Orange County Staff will be in attendance at the April 10<sup>th</sup> TAC Meeting to address any questions it may have.

Thank you,



Tom Altieri, AICP  
Orange County Comprehensive Planning Supervisor

Cc:

Craig Benedict, Orange County Planning Director

Frank W. Clifton, Orange County Manager

Donna Baker, Clerk to the BOCC

Orange County BOCC, including DCHC MPO TAC member, Alice Gordon

Paul Guthrie, Chair, Orange County Unified Transportation Board

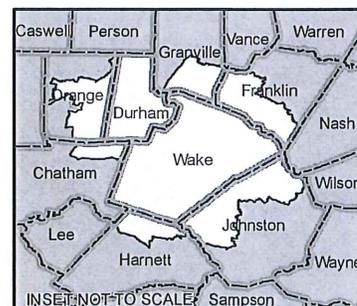
# 2040 Metropolitan Transportation Plan

February 28, 2013

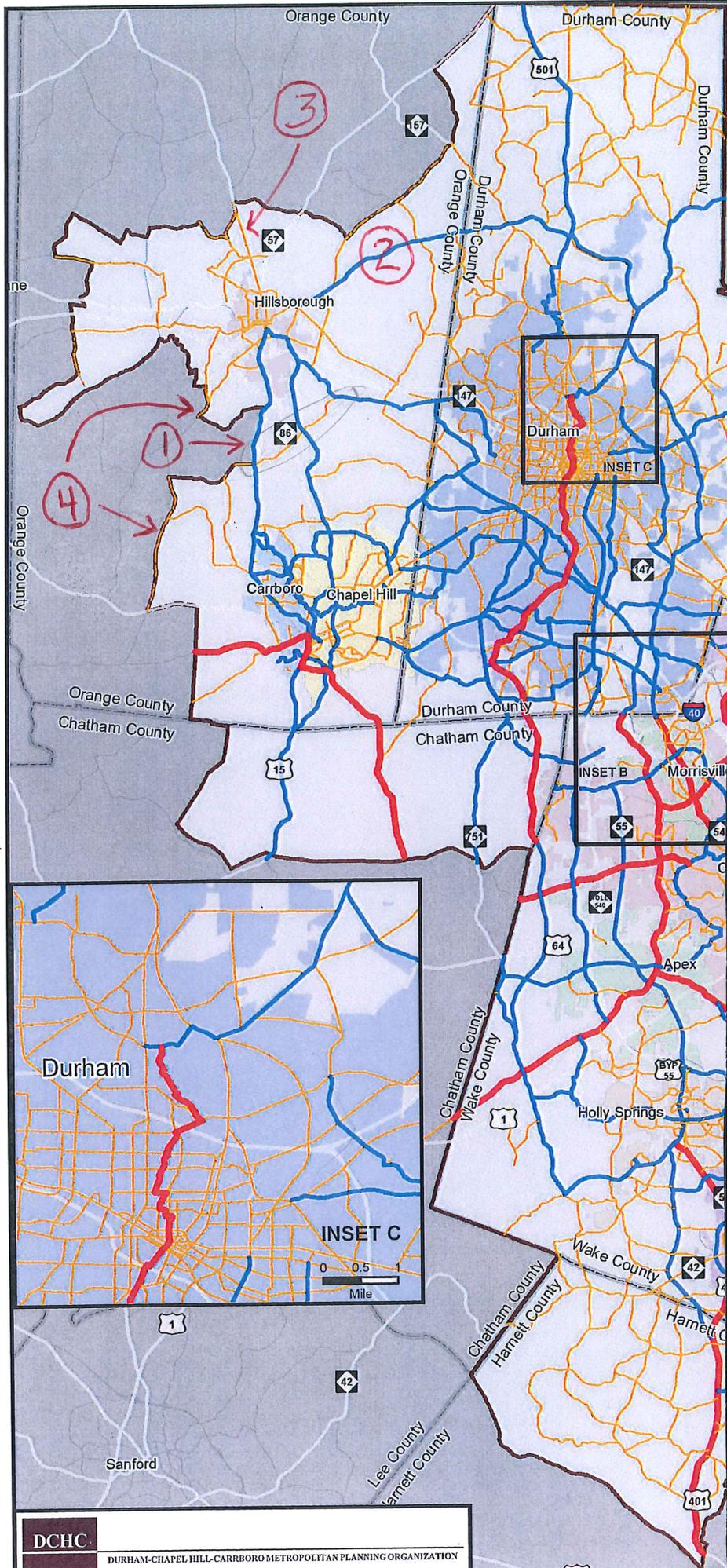
## On-Road Facilities

- State Bicycle Facilities
- Regional Bicycle Facilities
- Local Bicycle Facilities

\*DCHC MPO State and Regional routes are shown on the On-Road Facilities map. Appendix 4 provides a listing of the routes.



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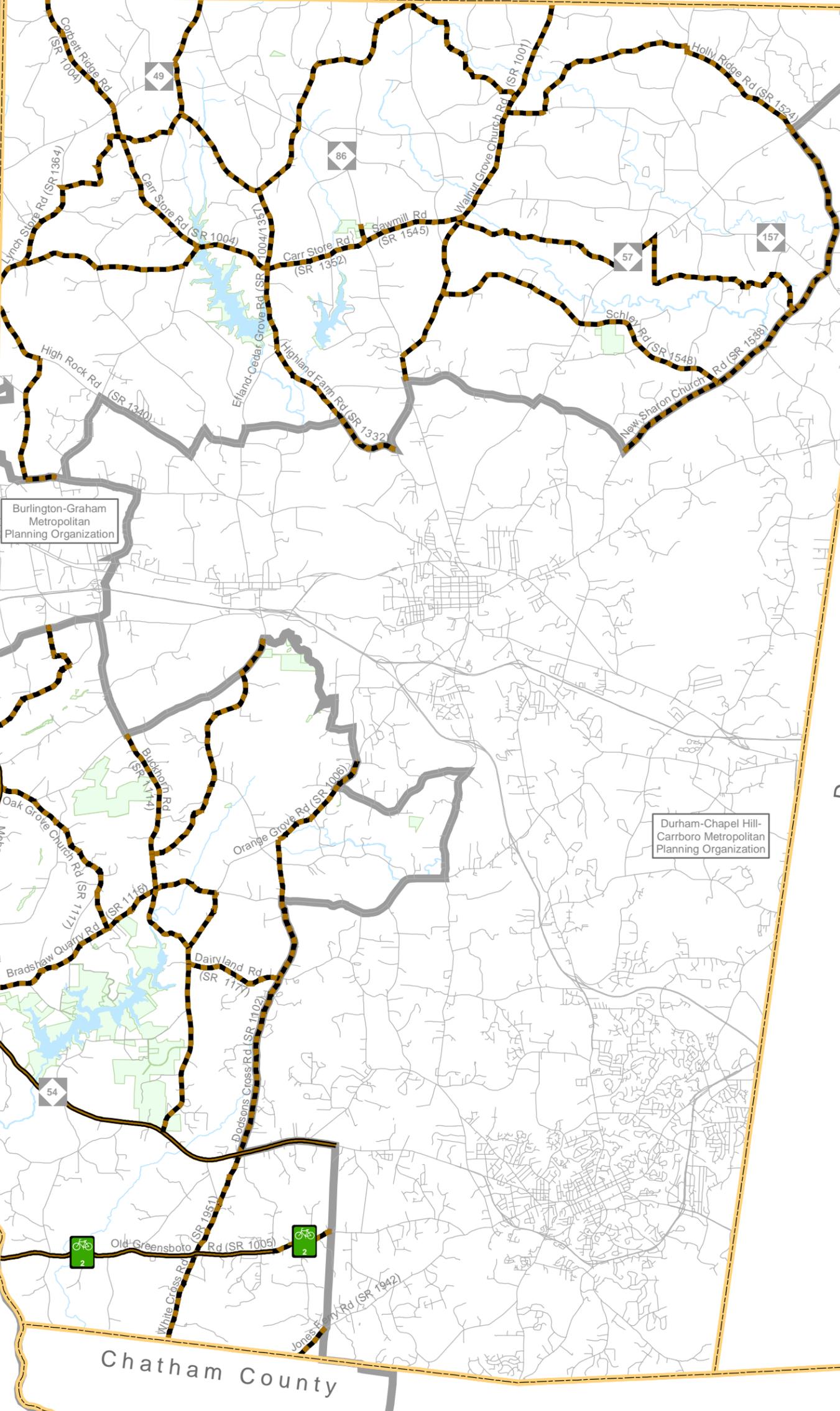
Caswell County

Person County

Alamance County

Durham County

Chatham County



- |                   |                           |
|-------------------|---------------------------|
| <b>On-road</b>    | <b>Multi-Use Paths</b>    |
| Existing          | Existing                  |
| Needs Improvement | Needs Improvement         |
| Recommended       | Recommended               |
| <b>Off-road</b>   | Existing Grade Separation |
| Existing          | Proposed Grade Separation |
| Needs Improvement | North Carolina Bike Route |
| Recommended       |                           |



Figure 1  
Sheet 4 of 5

Base map date: April, 2009

Refer to CTP document for more details

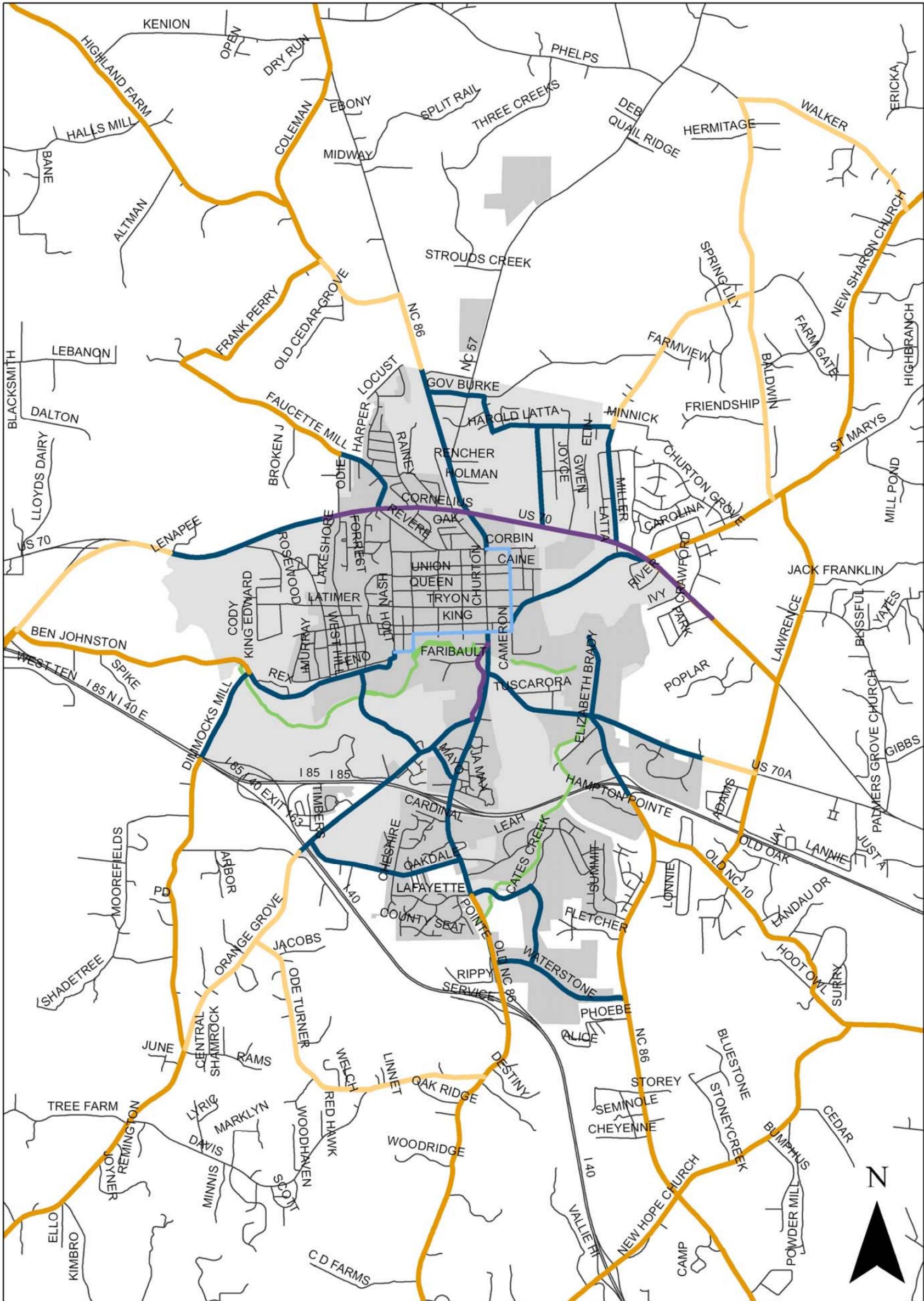
### Bicycle Map



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# Orange County Comprehensive Transportation Plan

Plan date: December 11, 2012



## Bike Lane and Route Recommendations

- |  |  |  |
|--|--|--|
| <ul style="list-style-type: none"> <li><span style="color: orange; font-weight: bold;">—</span> Recommended Additions to Orange County Bike Plan</li> <li><span style="color: orange; font-weight: bold;">—</span> Orange County Planned Bike Lanes</li> </ul> | <ul style="list-style-type: none"> <li><span style="color: purple; font-weight: bold;">—</span> Hillsborough Shared-Use Path Recommendation</li> <li><span style="color: darkblue; font-weight: bold;">—</span> Hillsborough Bike Lane Recommendations</li> <li><span style="color: lightblue; font-weight: bold;">—</span> Hillsborough Marked Bike Route Recommendations</li> <li><span style="color: green; font-weight: bold;">—</span> Greenways</li> </ul> | <ul style="list-style-type: none"> <li><span style="background-color: grey; width: 15px; height: 10px; display: inline-block;"></span> Town Limits</li> <li><span style="background-color: lightgrey; width: 15px; height: 10px; display: inline-block;"></span> Extra Territorial Jurisdiction</li> </ul> |
|--|--|--|

Map prepared by Hillsborough Planning Department 9/2008  
 Data provided by Orange County Land Records

## Review of Project Prioritization from 2011

A motion was made by Commissioner Hemminger, seconded by Commissioner McKee to approve the process components and schedule for government initiated items to be heard at the May 23, 2011 Quarterly Public Hearing.

VOTE: UNANIMOUS

### c. Resolutions Approving the Orange County Transportation Priority List for the 2014–2020 Transportation Improvement Program

The Board considered resolutions endorsing priority transportation projects for the 2014-2020 Transportation Improvement Program.

Craig Benedict said that each year the County considers endorsing priority transportation projects for the Transportation Improvement Program. This has been discussed at a previous work session and it incorporates the comments made by the County Commissioners. The resolution is shown in Attachment 1 and identifies the priorities. The plan is to accelerate the projects along the I-85 corridor.

#### **A RESOLUTION ENDORSING ORANGE COUNTY'S PRIORITY TRANSPORTATION PROJECTS FOR THE DURHAM-CHAPEL HILL-CARRBORO METROPOLITAN PLANNING ORGANIZATION REGIONAL PRIORITY LIST FOR THE 2014 – 2020 TRANSPORTATION IMPROVEMENT PROGRAM**

WHEREAS, the North Carolina Board of Transportation, every two years, prepares a Transportation Improvement Program that identifies transportation projects scheduled for State and Federal funding over the next seven years; and

WHEREAS, the North Carolina Board of Transportation solicits input for identifying transportation projects of local and regional importance to be included in the FY 2014-2020 Transportation Improvement Program; and

WHEREAS, the Durham-Chapel Hill-Carrboro Transportation Advisory Committee is charged with the development of the Metropolitan Transportation Improvement Program; and

WHEREAS, Orange County is a member jurisdiction of the Durham-Chapel Hill-Carrboro (DCHC) Metropolitan Planning Organization; and

WHEREAS, Orange County gives priority to identified safety needs on existing roads and bridges, to other transportation projects that encourage alternatives to automobile travel, to projects that minimize adverse impacts on the natural environment and cultural sites, and to those projects that foster economic development in the designated Economic Development Districts; and

WHEREAS, Orange County strongly encourages the North Carolina Department of Transportation (NCDOT) to design all highway projects, where appropriate, to accommodate bicycle and pedestrian traffic to provide alternative means of transportation that may result in reduced automobile traffic and related air and water impacts; and

WHEREAS, Orange County encourages the NCDOT to design all new or replacement bridges with sufficient clearance to allow wildlife to cross safely under them, and to allow pedestrian passage along any existing or planned trail-system connectors; and

WHEREAS, Orange County has outlined its transportation needs in an attachment to this resolution;

NOW, THEREFORE, BE IT RESOLVED by the Orange County Board of Commissioners the Board endorses the following prioritized list of transportation projects to be considered for the FY 2014-2020 Metropolitan Transportation Improvement Program.

- 1 TIP Project No. EB-4980, SR 1006 (Orange Grove Road) at Interstate 40: Construct a pedestrian bridge over I-40; construct sidewalk along the north side of Orange Grove Road from the bridge to Timbers Drive.

This project is submitted as a Pedestrian project.

- 2 TIP Project No. R-2825, SR 1009 (South Churton Street) Improvements: Develop congestion management, limited access, aesthetic and capacity improvements including bicycle and pedestrian improvements between US 70 Business and Interstate 40.

This project is scheduled for reprioritization as a Highway Mobility project.

- 3 Hillsborough Train Station: Construct Hillsborough train station for passenger rail stop as designated in *Hillsborough's Rail Station Small Area Plan*.

This project is submitted as a Rail Project.

- 4 Park and Ride Lot in the Buckhorn Economic Development District.

This project is submitted as a Transit project. The Draft 2012-2018 MTIP includes a park and ride lot in this area with a transit project for five park and ride lots.

- 5 US 70 East-Interstate 85 Connector: Modify I-85 Connector interchange at US 70 to provide access from all directions.

This project is scheduled for reprioritization as a Highway Mobility project.

- 6 SR 1009 (Old NC 86) Bicycle Facilities: Construct bicycle facilities on Old NC 86 from Hillsborough Road in Carrboro to I-40 in Hillsborough.

This project is submitted as a new Highway Modernization project.

- 7 SR 1006 (Orange Grove Road) Extension: Extend Orange Grove Road from the east side of Churton Street (SR 1009) to US 70 business.

This project is scheduled for reprioritization as a Highway Mobility project.

- 8 Tip Project No. U-3436, SR 1148 (Eno Mountain Road) and SR 1192 (Mayo Street) at SR 1006 (Orange Grove Road): realign intersection and make safety improvements.

This project is scheduled for reprioritization as a Highway Modernization project.

- 9 U-2805, SR 1777 (Homestead Road) Improvements: Improve Homestead Road from Old NC 86 (SR 1009) to NC 86 to include bicycle lanes and sidewalks in sections of the corridor where those facilities do not exist.

This project is scheduled for reprioritization as a Highway Modernization project.

- 10 SR 1727 (Eubanks Road) bicycle lanes: Construct bicycle lanes on Eubanks Road from Old NC 86 (SR 1009) to NC 86.

This project is submitted as a Bicycle project.

- 11 Dairyland Road bicycle facilities: Construct 4-foot paved shoulders on Dairyland Road (SR 1112, SR 1113, SR 1177) from Union Grove Church Road (SR 1111) to Orange Grove Road (SR 1006).

This project is submitted as a new Highway Modernization project.

- 12 NC 86 (North of Hillsborough) Improvements: Widen NC 86 from US 70 bypass to north of NC 57 to four lanes with intersection improvements at US 70 bypass and NC 57.

This project is submitted as a new Highway Mobility project.

**A RESOLUTION ENDORSING ORANGE COUNTY'S PRIORITY TRANSPORTATION PROJECTS FOR THE TRIANGLE AREA RURAL PLANNING ORGANIZATION (TARPO) REGIONAL PRIORITY LIST FOR THE 2014 – 2020 TRANSPORTATION IMPROVEMENT PROGRAM**

WHEREAS, the North Carolina Board of Transportation, every two years, prepares a Transportation Improvement Program that identifies transportation projects scheduled for State and Federal funding over the next seven years; and

WHEREAS, the North Carolina Board of Transportation solicits input for identifying transportation projects of local and regional importance to be included in the FY 2014-2020 Transportation Improvement Program; and

WHEREAS, North Carolina has established Rural Planning Organizations (RPO) to coordinate regional transportation planning in rural areas in cooperation with the North Carolina Department of Transportation; and

WHEREAS, Orange County is a member of the Triangle Area Rural Planning Organization charged with developing and prioritizing proposed transportation projects that the RPO believes should be included in the State Transportation Improvement Program; and

WHEREAS, Orange County gives priority to identified safety needs on existing roads and bridges, to other transportation projects that encourage alternatives to automobile travel, to projects that minimize adverse impacts on the natural environment and cultural sites, and to those projects that foster economic development in the designated Economic Development Districts; and

WHEREAS, Orange County strongly encourages the North Carolina Department of Transportation (NCDOT) to design all highway projects, where appropriate, to accommodate bicycle and pedestrian traffic to provide alternative means of transportation that may result in reduced automobile traffic and related air and water impacts; and

WHEREAS, Orange County encourages the NCDOT to design all new or replacement bridges with sufficient clearance to allow wildlife to cross safely under them, and to allow pedestrian passage along any existing or planned trail-system connectors; and

WHEREAS, Orange County has outlined transportation needs in an attachment to this resolution;

NOW, THEREFORE, BE IT RESOLVED by the Orange County Board of Commissioners the Board endorses the following prioritized list of transportation projects to be considered for inclusion in the FY 2014-2020 Transportation Improvement Program.

1. Dairyland Road/Orange Grove Road/Buckhorn Road bicycle facilities: construct 4-ft. paved shoulders along the following route from Carrboro to West Ten Road to provide a connection with proposed routes to Mebane and Elfand.
  - TIP Project EB-5108: Dairyland Road (SR 1112 - SR 1113 – SR 1177) from Union Grove Church Road to Orange Grove Road (SR 1006);
  - Orange Grove Road (SR 1006) from Dairyland Road (SR 1177) to Buckhorn Road (SR 1114); and
  - Buckhorn Road (SR 1114) to West Ten Road (SR 1144).

This project is submitted as a new Highway Modernization project.

2. SR 1005 (Old Greensboro Road) bicycle facility: Add 4-ft. paved shoulders on Old Greensboro Road from Carrboro's ETJ to the Orange/Alamance County line.

This project is submitted as a new Highway Modernization project.

3. Orange Grove Road bicycle facilities: Construct 4-ft. paved shoulders along Orange Grove Road (SR 1006) from Interstate 40 to Dodson's Crossroads (SR 1102).

This project is submitted as a new Highway Modernization project.

4. Dodson's Crossroad bicycle facilities: Construct 4-ft. paved shoulders along Dodson's Crossroads (SR 1102) from Orange Grove Road (SR 1006) to Dairyland Road (SR 1177). This route would provide bicycle facilities from the Chapel Hill-Carrboro area to connect to a proposed bicycle facility on Orange Grove Road into Hillsborough.

This project is submitted as a Bicycle project.

## ORANGE COUNTY TRANSPORTATION PRIORITY LIST

### 2014– 2020 TRANSPORTATION IMPROVEMENT PROGRAM

#### FOR THE REGIONAL PRIORITY LIST OF THE TRIANGLE AREA RURAL PLANNING ORGANIZATION

1. Dairyland Road/Orange Grove Road/Buckhorn Road bicycle facilities: construct 4-ft. paved shoulders along the following route from Carrboro to West Ten Road to provide a connection with proposed routes to Mebane and Elfand.
  - TIP Project EB-5108: Dairyland Road (SR 1112 - SR 1113 – SR 1177) from Union Grove Church Road to Orange Grove Road (SR 1006);
  - Orange Grove Road (SR 1006) from Dairyland Road (SR 1177) to Buckhorn Road (SR 1114); and
  - Buckhorn Road (SR 1114) to West Ten Road (SR 1144).

This route would extend bicycle facilities proposed in concert with highway improvements on Buckhorn Road Road (SR 1114) to provide a connection through western Orange County from Carrboro to the Buckhorn Road/Interstate 85 Economic Development District and US 70 near Mebane. This route is listed in Orange County's Bicycle Transportation

Plan as a secondary priority bicycle route connecting southern Orange County with the western portion of its number 2 primary priority bicycle route on West Ten Road (SR 1148). Project EB-5108 schedules a portion of this route, Dairyland Road from Union Grove Church Road to Orange Grove Road, for a feasibility study. Orange County recommends that the feasibility study also include the segment of Dairyland Road from Union Grove Church Road (SR 1111) to Old NC 86 to connect to proposed bicycle facilities on Old NC 86 along Carrboro's ETJ.

2. SR 1005 (Old Greensboro Road) bicycle facility: Add 4-ft. paved shoulders on Old Greensboro Road from Carrboro's ETJ to the Orange/Alamance County line. This route is the number 3 primary priority of the Orange County Bicycle Transportation Plan, and would enhance bicycle transportation between southwestern Orange County and Carrboro/Chapel Hill. This project is a segment of the Mountains to Sea Bicycle Route.
3. Orange Grove Road bicycle facilities: Construct 4-ft. paved shoulders along Orange Grove Road (SR 1006) from Interstate 40 to Dodson's Crossroads (SR 1102). This route would provide bicycle facilities to the Grady Brown Elementary School and Cedar Ridge High School from the area south of the schools and connect to a proposed bicycle facility on Orange Grove Road into Hillsborough.
4. Dodson's Crossroad bicycle facilities: Construct 4-ft. paved shoulders along Dodson's Crossroads (SR 1102) from Orange Grove Road (SR 1006) to Dairyland Road (SR 1177). This route would provide bicycle facilities from the Chapel Hill-Carrboro area to connect to a proposed bicycle facility on Orange Grove Road into Hillsborough.

Commissioner Gordon made reference to page 22 and the Highway Modernization Projects. She asked about road-widening and shoulder widths. She said that it looks like, because of the new process of categorization and the request not to include any more than a certain number of projects, that certain projects from the current list were deleted because there was not room after things were reorganized.

Karen Lincoln said that this is correct. She took the priority that was assigned the last time it was submitted. A lot of those priorities were bicycle projects and would cost more than \$1 million, so would fall under the highway modernization category. The MPO asked that no more than three new highway projects be submitted.

Commissioner Gordon verified that the projects that were deleted include 9, 10, and 12 for the MPO and 1 and 5 for TARPO.

Commissioner Gordon suggested that for the ones that were removed that they could be resubmitted.

Commissioner Jacobs agreed with Commissioner Gordon and he was thinking along the same lines for the project on Buckhorn Road because it is at the economic development district where they are trying to promote some development. It is in the land use plan and long-range plans. He thanked staff and whoever worked on the priority list and added the 1-40/I-85 connector. Hopefully this can be addressed.

Commissioner Jacobs asked about the park and ride lot in the Buckhorn EDD and what kind of coordination there has been with Mebane. Mebane had suggested a site that would serve this part of Orange County.

Craig Benedict said that dialogue with Mebane is continuing through Orange Public Transportation about this. They are looking everywhere, including the new Tanger Outlets.

There is also contact with Piedmont Area Transit and how their routes come into Orange County.

Commissioner Jacobs made reference to page 8, #10 – Eubanks Road bicycle lanes and said that it is Morris Grove Elementary School.

A motion was made by Commissioner Gordon, seconded by Commissioner Foushee to approve the resolution to submit priority projects to the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization; approve the resolution to submit priority projects to the Triangle Rural Planning Organization; and *state that projects removed from the current priority list for MPO and TARPO can be resubmitted (MPO – 9, 10, and 12; and TARPO – 1 and 5).*

**MPO**

9-SR 1008 (Mt. Carmel Church Road) bicycle lanes

10-US 70 Bypass Widening

12-NC 86 Bicycle Facilities

**TARPO**

1-SR 1114 Buckhorn Road Widening

5-SR 1004, SR 1357 (Efland-Cedar Grove Road)

VOTE: UNANIMOUS

## **Review of Projects Recommended by the Comprehensive Transportation Plan**

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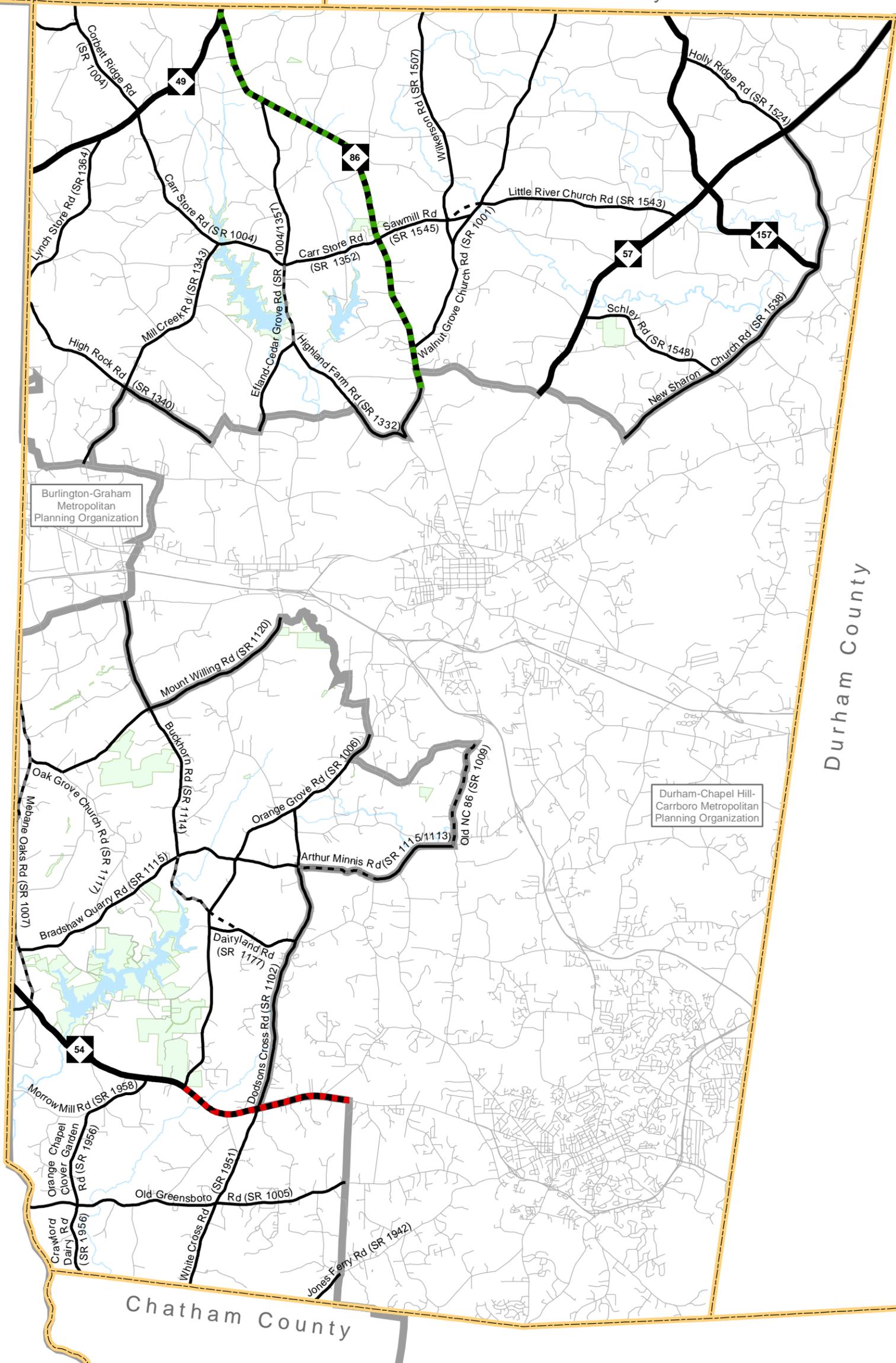
Caswell County

Person County

Alamance County

Durham County

Chatham County



<p><b>Freeways</b></p> <ul style="list-style-type: none"> <li> Existing</li> <li> Needs Improvement</li> <li> Recommended</li> </ul> <p><b>Expressways</b></p> <ul style="list-style-type: none"> <li> Existing</li> <li> Needs Improvement</li> <li> Recommended</li> </ul> <p><b>Boulevards</b></p> <ul style="list-style-type: none"> <li> Existing</li> <li> Needs Improvement</li> <li> Recommended</li> </ul>	<p><b>Other Major Thoroughfares</b></p> <ul style="list-style-type: none"> <li> Existing</li> <li> Needs Improvement</li> <li> Recommended</li> </ul> <p><b>Minor Thoroughfares</b></p> <ul style="list-style-type: none"> <li> Existing</li> <li> Needs Improvement</li> <li> Recommended</li> </ul> <p><b>Interchanges and Grade Separations</b></p> <ul style="list-style-type: none"> <li> Existing Interchange</li> <li> Proposed Interchange</li> <li> Existing Grade Separation</li> <li> Proposed Grade Separation</li> </ul>
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Figure 1  
Sheet 2 of 5

Base map date: April, 2009

Refer to CTP document for more details

### Highway Map



**DRAFT**

## Orange County Comprehensive Transportation Plan

Plan date: December 11, 2012

## HIGHWAY PROJECT DESCRIPTIONS FROM THE CTP TECHNICAL REPORT

### **NC 54 (Orange Grove Road to Neville Road/DCHC MPO), Local ID ORAN0002-H:**

NC 54 from Orange Grove Road (SR 1006) to Neville Road (SR 1945) (the DCHC MPO boundary) is projected to exceed Level of Service (LOS) D by 2035. Improvements are needed in order to relieve anticipated congestion and to maintain a minimum LOS D on the existing facility. This section of NC 54 is currently a 2-lane, 24-foot undivided cross section, with a continuous center turn lane in some segments.

The CTP project proposal is to provide a 4-lane divided cross section for this facility. The addition of a median will allow for better access control, thereby providing higher mobility for the facility.

### **NC 86 (Coleman Loop Road/DCHC MPO to Caswell County), Local ID ORAN0001-H:**

NC 86 from Coleman Loop Road (SR 1334) (the DCHC MPO boundary) to Walnut Grove Church Road (SR 1001) is projected to exceed Level of Service (LOS) D by 2035. Improvements are needed in order to relieve anticipated congestion and to maintain a minimum LOS D on the existing facility.

In addition, NC 86 throughout northern Orange County is identified as a recommended expressway on the Strategic Highway Corridor Vision Plan, in order to maintain regional and statewide mobility and connectivity. This section of NC 86 is currently a 2-lane, 24-foot undivided cross section.

The CTP project proposal is to provide a 4-lane divided expressway cross section for this facility from Coleman Loop Road (SR 1334) (the DCHC MPO boundary) to Caswell County. This includes the section of NC 86 that is concurrent with NC 49. The conversion to an expressway is consistent with the Strategic Highway Corridors Vision Plan. Refer to the draft DCHC MPO 2040 Metropolitan Transportation Plan (MTP) and CTP for the preferred concept for NC 86, which will connect this CTP project segment to I-40 with a consistent expressway cross section around the Town of Hillsborough.

The CTP was temporarily delayed in the spring of 2010 due to local concerns with this project proposal and the Strategic Highway Corridors designation. However, while traffic on NC 86 is still projected to exceed capacity, CTP traffic projections to 2035 do not warrant a full expressway cross section within the planning horizon of this CTP.

Ultimately, it was decided to move forward with the CTP, including this project proposal, with the understanding that the proposed cross section is ultimately driven by vision and not yet by traffic. NC 86 will be improved as needed, with the ultimate vision of an expressway. As with all projects, any improvements to NC 86 must also be submitted and programmed through NCDOT's Project Prioritization process in order to enter project development. This project proposal overlaps with NCDOT project W-5318 to provide geometric improvements, paved shoulders, and rumble strips to NC 86 from NC 57 (inside the DCHC MPO) to the Caswell County line. NCDOT project W-5318 is scheduled to begin right-of-way in January, 2012 and construction in January, 2013.

**Buckhorn Road Extension, Local ID ORAN0008-H:** Buckhorn Road (SR 1114) and Dairyland Road (SR 1177) are currently primary choices for travel in southwest Orange County. However, the two roadways are discontinuous at their shared intersection with Orange Grove Road (SR 1006), another primary carrier throughout the area. The CTP project proposal is to provide a new location 2-lane cross section at Orange Grove Road (SR 1006) to extend Buckhorn Road (SR 1114) (ORAN0004-H) into Dairyland Road (SR 1177). This will provide better connectivity and improve traffic flow for this area of the county.

**Little River Church Road Extension, Local ID ORAN0005-H:** Northern Orange County contains very few options for continuous east-west travel beyond the primary route along Carr Store Road (SR 1004 / SR 1352), Sawmill Road (SR 1545), and Little River Church Road (SR 1543). However, Sawmill Road (SR 1545) and Little River Church Road (SR 1543) are discontinuous at their shared intersection with Walnut Grove Church Road (SR 1001). The CTP project proposal is to provide a new location 2-lane cross section at Walnut Grove Church Road (SR 1001) to extend Little River Church Road (SR 1543) into Sawmill Road (SR 1545). This will provide better east-west continuity and connectivity for this area of the county.

### **Minor Improvements**

Not all of the following facilities are projected to exceed Level of Service (LOS) D by 2035, but improvements such as turn lanes, minor widening, and/or surfacing are ideal for better mobility and more streamlined facilities as growth occurs.

**Arthur Minnis Road (SR 1115), Local ID ORAN0003-H:** Arthur Minnis Road (SR 1115) from Dodsons Cross Road (SR 1102) to Rocky Ridge Road / Arthur Minnis Road (SR 1113) is currently an unsurfaced, 20-foot cross section. The CTP project proposal is to provide a surfaced, 24-foot cross section suitable for public traffic use. The CTP committee identified the importance of this facility for east-west connectivity in this area of the county.

**Buckhorn Road (SR 1114), Local ID ORAN0004-H:** Buckhorn Road (SR 1114) from Orange Grove Road (SR 1006) to Bradshaw Quarry Road (SR 1115) is currently an unsurfaced, 20-foot cross section. The CTP project proposal is to provide a surfaced, 24-foot cross section suitable for public traffic use. The CTP committee identified the importance of this facility for north-south connectivity in this area of the county.

**(North) Efland-Cedar Grove Road (SR 1004), SPOT ID # 559:** Efland-Cedar Grove Road (SR 1004) from Highland Farm Road (SR 1332) to Carr Store Road (SR 1004 / SR 1352) is currently a 2-lane, 20-foot cross section. The CTP project proposal is to provide a 24-foot cross section with improvements to turn lanes and straightening of the roadway where needed. This project proposal overlaps with NCDOT project W-5143 to improve the horizontal alignment of the curve on Efland-Cedar Grove Road (SR 1004) north of the intersection with Highland Farm Road (SR 1332). NCDOT project W-5143 is scheduled to begin right-of-way in April, 2013 and construction in April, 2014.

**Mebane Oaks Road (SR 1007), Local ID ORAN0006-H:** Mebane Oaks Road (SR 1007) from NC 54 to Alamance County is currently a 2-lane, 22-foot cross section. The CTP project proposal is to provide a 24-foot cross section with wide shoulders and turn lanes where needed.

**Old NC 86 (SR 1009), Local ID ORAN0007-H:** Old NC 86 (SR 1009) from Arthur Minnis Road (SR 1113) (the DCHC MPO boundary) to Davis Road (SR 1129) (the DCHC MPO boundary) is currently a 2-lane, 22-foot cross section. The CTP project proposal is to provide a 24-foot cross section with wide shoulders and turn lanes where needed.

**ADOPTED REVISIONS TO THE CTP HIGHWAY MAP AND PROJECT STATEMENTS**

a. The dashed line legends for Minor Thoroughfares are very difficult to read on the map. It is suggested that the dashed lines for 'Needs Improvement' and 'Recommended' be made a bolder color that would be more visible.

b. Extend the Minor Thoroughfare 'Needs Improvement' line on Efland-Cedar Grove Road north from Carr Store Road to the northern property line of the U.S. Post Office.

**Staff Note:** This minor extension of the project to include the U.S. Post Office is recommended because the Post Office is one of the larger trip generators in the area (1300 AADT, 2011 per NCDOT), and the frontage has wide open access and needs improvements that enhance safety.

**Page II-5 Highway Project Statements /**

**Minor Improvements**

a. Revise project description for (North) Efland-Cedar Grove Road (SR 1004), SPOT ID #559 to add underlined text as follows: Efland-Cedar Grove Road (SR 1004) from Highland Farm Road (SR 1332) to the northern property line of the US Post Office north of Carr Store Road (SR 1004/SR 1342) is currently a 2-lane, 20-foot cross section.

b. Add a statement at the end of the Old NC 86 description expressing that widening should be done only if needed to improve vehicular safety and not to accommodate or encourage bicycling along this route. This section of Old NC 86 is not suitable for bike paths because the road is hilly, curvy and very dangerous for bicyclists and would remain so even with wider shoulders. Bicyclists avoid Old NC 86 for this reason. It wouldn't make sense to invest in any widening for bike paths unless the route can be straightened and the elevation issues addressed.

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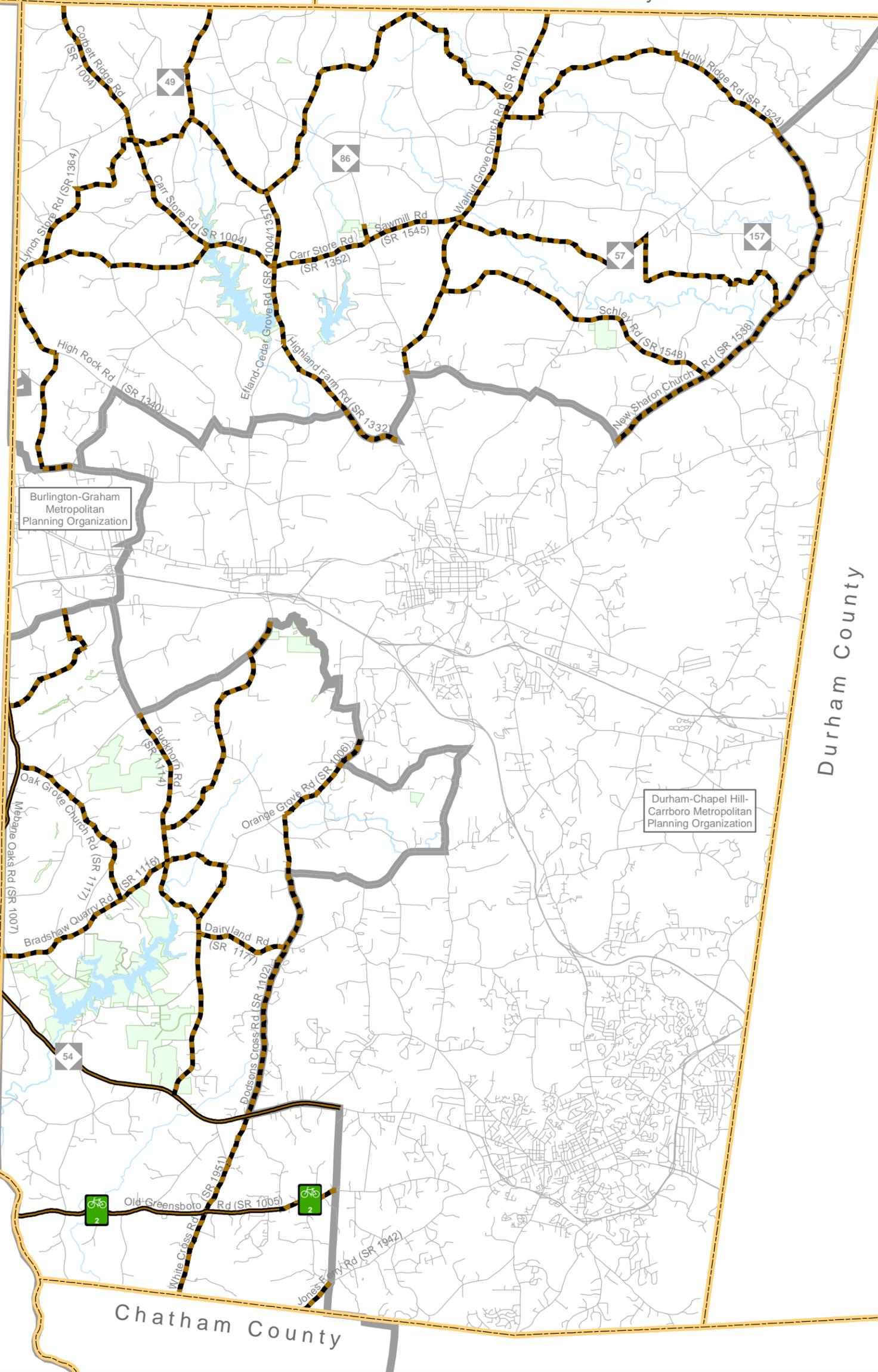
Caswell County

Person County

Alamance County

Durham County

Chatham County



- |                   |                           |
|-------------------|---------------------------|
| <b>On-road</b>    | <b>Multi-Use Paths</b>    |
| Existing          | Existing                  |
| Needs Improvement | Needs Improvement         |
| Recommended       | Recommended               |
| <b>Off-road</b>   | Existing Grade Separation |
| Existing          | Proposed Grade Separation |
| Needs Improvement | North Carolina Bike Route |
| Recommended       |                           |



Figure 1  
Sheet 4 of 5

Base map date: April, 2009

Refer to CTP document for more details

**Bicycle Map**



**DRAFT**

**Orange County  
Comprehensive  
Transportation Plan**

Plan date: December 11, 2012

## E CERPT OF BICYCLE PROJECTS FROM THE CTP TECHNICAL REPORT

The Orange County Bicycle Transportation Plan was adopted in 1999 and was intended to develop transportation facilities and programs for bicyclists in Orange County. These recommendations were incorporated into the Orange County CTP. The 1999 Orange County Bicycle Transportation Plan and detailed information regarding its recommendations are available through Orange County.

Minor additions to the CTP recommendations beyond the 1999 Orange County Bicycle Transportation Plan are listed below. As previously mentioned, the network of CTP recommendations provides a combination of recreational and commuting opportunities.

- **Local ID ORAN0001-B:** NC 86 from Carr Store Road (SR 1352) / Sawmill Road W (SR 1545) to proposed park-and-ride lot at Cedar Grove Park (ORAN0004-T). This recommendation was added in order to provide users on the recommended bicycle facility along Carr Store Road (SR 1352) / Sawmill Road W (SR 1545) with access to public transportation services via the proposed park-and-ride lot (ORAN0004-T). This is currently an on-road recommendation for more immediate improvements, but the ultimate 4-lane expressway cross section for NC 86 in the future could require an off-road facility to maintain this connection for bicycles.
- **Local ID ORAN0002-B:** NC Bike Route 2 / Mountains to Sea Trail along Old Greensboro Road (SR 1005) from Carl Durham Road (SR 1950) to Bowden Road (SR 1946) (the DCHC MPO boundary). Although this facility is already designated as NC Bike Route 2, this section is in need of upgrades, such as wider lanes or shoulders, in order to accommodate bicycles. (The section from Alamance County to Carl Durham Road (SR 1950) has recently been widened and resurfaced.)
- **Local ID ORAN0003-B:** Jones Ferry Road (SR 1942) from Chatham County to Ferguson Road (SR 1948) (the DCHC MPO boundary). This project was included in order to ensure connectivity with the 2035 DCHC MPO Long Range Transportation Plan recommendations and the draft DCHC MPO 2040 Metropolitan Transportation Plan (MTP) and CTP recommendations.
- **Local ID ORAN0004-B:** NC 86 from Phelps Rd (SR 1551) to Walnut Grove Church Rd (SR 1001). This project was included in order to provide connectivity with recommendations in the draft DCHC MPO 2040 Metropolitan Transportation Plan (MTP) and CTP recommendations.
- **Local ID ORAN0005-B:** Walnut Grove Church Rd (SR 1001) from NC 86 to Pearson Rd (SR 1544). This project was included in order to provide connectivity with recommendations in the draft DCHC MPO 2040 Metropolitan Transportation Plan (MTP) and CTP recommendations.
- **Local ID ORAN0006-B:** Schley Rd (SR 1548) from Walnut Grove Church Rd (SR 1001) to New Sharon Church Rd (SR 1538) (the DCHC MPO boundary) (SR 1001) to New Sharon Church Rd (SR 1538) (the DCHC MPO boundary). This project was included in order to provide connectivity with recommendations in the draft DCHC MPO 2040 Metropolitan Transportation Plan (MTP) and CTP recommendations.
- **Local ID ORAN0007-B:** Efland-Cedar Grove Rd (SR 1357) from Carr Store Rd (SR 1004/1352) to McDade Store Rd (SR 1358/1354). This project was included in order to provide further connectivity between recommendations included from the 1999 Orange County Bicycle Transportation Plan.
- **Local ID ORAN0008-B:** McDade Store Rd (SR 1361) from Pentecost Rd (SR 1361) / McDade Store Rd (SR 1358) to NC 49. This project was included in order to provide further connectivity between recommendations included from the 1999 Orange County Bicycle Transportation Plan.
- **Local ID ORAN0009-B:** NC 49 from McDade Store Rd (SR 1361) to Caswell County. This project was included in order to provide further connectivity between recommendations included from the 1999 Orange County Bicycle Transportation Plan.
- **Local ID ORAN0010-B:** W Lebanon Rd (SR 1306) from Saddle Club Rd (SR 1346) to Mill Creek Rd (SR 1345). This project was included in order to provide connectivity with recommendations in the draft DCHC MPO 2040 Metropolitan Transportation Plan (MTP) and CTP recommendations.
- **SPOT ID 1160:** Orange Grove Road (SR 1006) and Buckhorn Road (SR 1114) from Dairyland Road (SR 1177) to West Ten Road (SR 1146). This project was submitted by the Triangle Area RPO to the NCDOT Strategic Planning Office of Transportation (SPOT) as part of the Prioritization 2.0 Process in 2011. This project overlaps with a section of NCDOT project EB-5520 on Orange Grove Road (SR 1006) between Dairyland Road (SR 1177) and Buckhorn Road (SR 1114).
- **Local ID EB-5520:** NCDOT project EB-5520 is to add 4-foot shoulders to Orange Grove Road (SR 1006) from NC 54 to Arthur Minnis Road (SR 1115). There is currently no right-of-way or construction date scheduled. This project overlaps with the Orange Grove Road (SR 1006) section of SPOT ID 1160 between Dairyland Road (SR 1177) and Buckhorn Road (SR 1114).

The projects below were also submitted by the Triangle Area RPO to the NCDOT Strategic Planning Office of Transportation (SPOT) as part of the Prioritization 2.0 Process in 2011, but were already included in the CTP recommendations taken from the 1999 Orange County Bicycle Transportation Plan.

- **SPOT ID 1095:** Dairyland Road (SR 1177) from Union Grove Church Road (SR 1111) to Orange Grove Road (SR 1006).
- **SPOT ID 958:** Orange Grove Road (SR 1006) and Dodsons Cross Road (SR 1102) from I-40 to Dairyland Road (SR 1177).
- **SPOT ID 559:** Efland-Cedar Grove Road (SR 1004) from Highland Farm Road (SR 1332) to Carr Store Road (SR 1004 / SR 1352).

### ADOPTED REVISIONS TO THE BICKCeE MAP AND PROJECT STATEMENTS

Make no change to the Bicycle Map, which shows no improvements to the aforementioned section of Old NC 86, and request for consistency that no improvements are reflected in the draft CTP bicycle plan for the DCHC MPO.

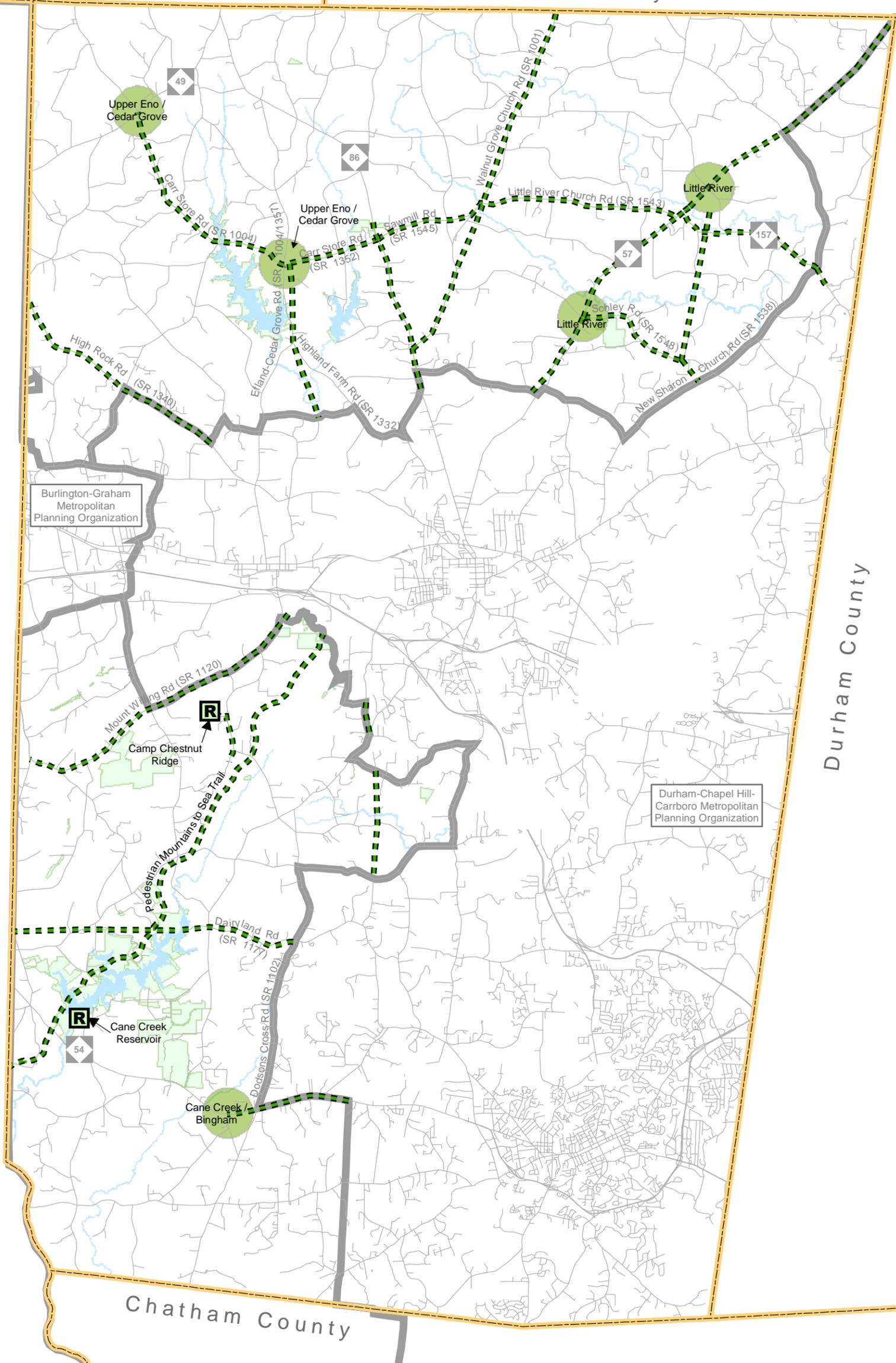
Caswell County

Person County

Alamance County

Durham County

Chatham County



Burlington-Graham Metropolitan Planning Organization

Durham-Chapel Hill-Carrboro Metropolitan Planning Organization

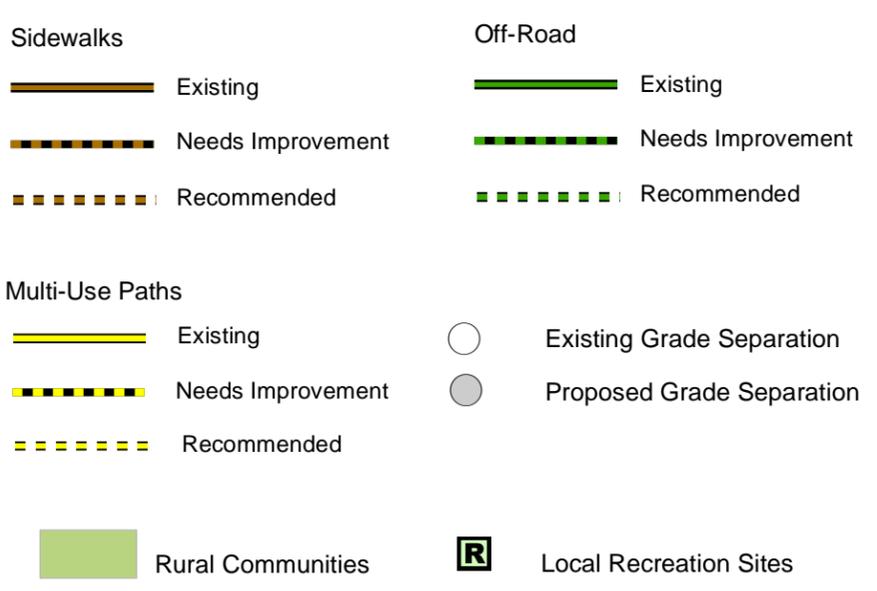


Figure 1  
Sheet 5 of 5

Base map date: April, 2009

Refer to CTP document for more details

### Pedestrian Map



**DRAFT**

# Orange County Comprehensive Transportation Plan

Plan date: December 11, 2012

## **E CERPT FROM THE CTP TECHNICAL REPORT REGARDING PEDESTRIAN PROJECTS**

Orange County currently has a pedestrian plan under development for off-road pedestrian facilities throughout the county. Existing recommendations from this plan were incorporated into the Orange County CTP. The County's pedestrian plan and detailed information regarding its recommendations are available through Orange County.

### **ADOPTED REVISIONS TO THE CTP PEDESTRIAN MAP AND PROJECT STATEMENTS**

Rural Community Nodes are not labeled correctly and should be revised as follows:

- Revise Cane Creek/Bingham label to White Cross
- Revise Upper Eno/Cedar Grove label (western one on map) to Carr
- Revise Upper Eno/Cedar Grove label (eastern one on map) to Cedar Grove
- Revise Little River label (northern one on map) to Caldwell
- Revise Little River label (southern one on map) to Schley

The Pedestrian Map depicts approximate locations of recommended off-road trails that follow historic road corridors and link rural community nodes, public facilities and destinations. The trail locations are consistent with a draft Rural Pedestrian Connectivity Plan for Orange County that was developed by a Steering Committee subcommittee for the Comprehensive Transportation Plan.

Caswell County

Person County

Alamance County

Durham County

Chatham County

Burlington-Graham Metropolitan Planning Organization

Durham-Chapel Hill-Carrboro Metropolitan Planning Organization

<b>Bus Routes</b>	<b>Rail Corridor</b>	<b>Intermodal Connector</b>
Existing	Active	Existing
Needs Improvement	Inactive	Recommended
Recommended	Recommended	
<b>Fixed Guideway</b>	<b>High Speed Rail Corridor</b>	<b>Rail Stops</b>
Existing	Existing	Existing
Needs Improvement	Recommended	Recommended
Recommended		
<b>Operational Strategies</b>	<b>Park and Ride Lot</b>	
Existing	Existing	
Needs Improvement	Recommended	
Recommended		



Figure 1  
Sheet 3 of 5

Base map date: April, 2009

Refer to CTP document for more details

## Public Transportation and Rail Map



**DRAFT**

# Orange County Comprehensive Transportation Plan

Plan date: December 11, 2012

## E CERPT OF PUBLIC TRANSPORTATION & RAIL PROJECT DESCRIPTIONS FROM THE CTP TECHNICAL REPORT

There are currently no existing rail facilities or recommendations within the CTP planning area; Orange County's existing rail lines are contained within the MPO areas.

### **Bus Routes**

"The Bus and Rail Investment Plan in Orange County", adopted by the Orange County Board of County Commissioners on October 2, 2012, was utilized in the development of the bus element of the Orange County CTP. The CTP bus Recommendations are listed below. More detailed information regarding "The Bus and Rail Investment Plan in Orange County" is available through Orange County.

- **Local ID ORAN0001-T**: Bus route along NC 54 from Alamance County to Neville Road (SR 1945) (the DCHC MPO boundary). The draft DCHC MPO 2040 Metropolitan Transportation Plan (MTP) and CTP identifies this recommendation as Express Bus projects B6a and B6b.
- **Local ID ORAN0002-T**: Bus route along NC 86 from Coleman Loop Road (SR 1334) (the DCHC MPO boundary) to Caswell County.

### **Park-and-Ride Lots**

The CTP proposes the following potential park-and-ride lots to provide access to the proposed bus routes (ORAN0001-T and ORAN0002-T). All locations are based on current available information and are subject to change based on further study in the future. In addition, specific information such as number of spaces, surface of lot, and additional amenities would be developed at a later date. The CTP recommendation identifies general areas where lots are anticipated to be needed, with the intent of initially small lots with relatively minor amenities that grow as ridership increases.

- **Local ID ORAN0003-T**: The CTP project proposal is to provide a park-and-ride lot at the intersection of NC 54 and White Cross Road (SR 1951). This project would provide access to the bus route along NC 54 (ORAN0001-T), for users of both vehicles and bicycles.
- **Local ID ORAN0004-T**: The CTP project proposal is to provide a park-and-ride lot at the Cedar Grove Park on NC 86. This project would provide access to the bus route along NC 86, for users of both vehicles and bicycles (ORAN0001-B).

## ADOPTED REVISIONS TO THE CTP PUBLIC TRANSPORTATION AND RAIL MAP AND PROJECTS

Page II-6 Public Transportation & Rail Problem Statements (Project Descriptions) – Add a statement to the rail discussion stating that the development of commuter rail lines in the MPO areas will have a traffic impact on surrounding 'feeder' routes that may need to be addressed.



# NCDOT – Prioritization 3.0 Workgroup Meeting #9

April 29, 2013

**Accelerating infrastructure  
investments for economic growth**

**Use infrastructure to catalyze  
economic development**

**strategic mobility formula**



*high impact*

**need to change**

how we **fund.**  
how we **distribute.**  
how we **prioritize.**





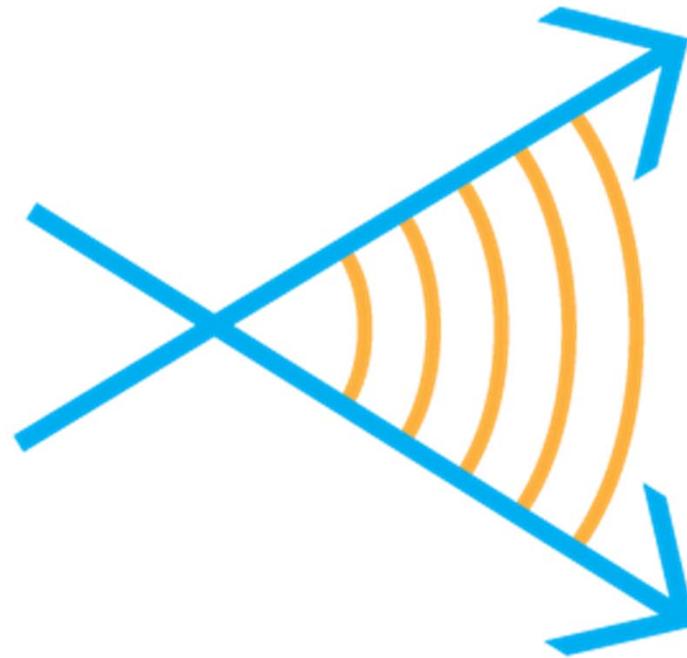
**current funding**

**state resources are declining,  
future federal resources uncertain**



**problem**

**Increased population + 1.3m**  
= Infrastructure need



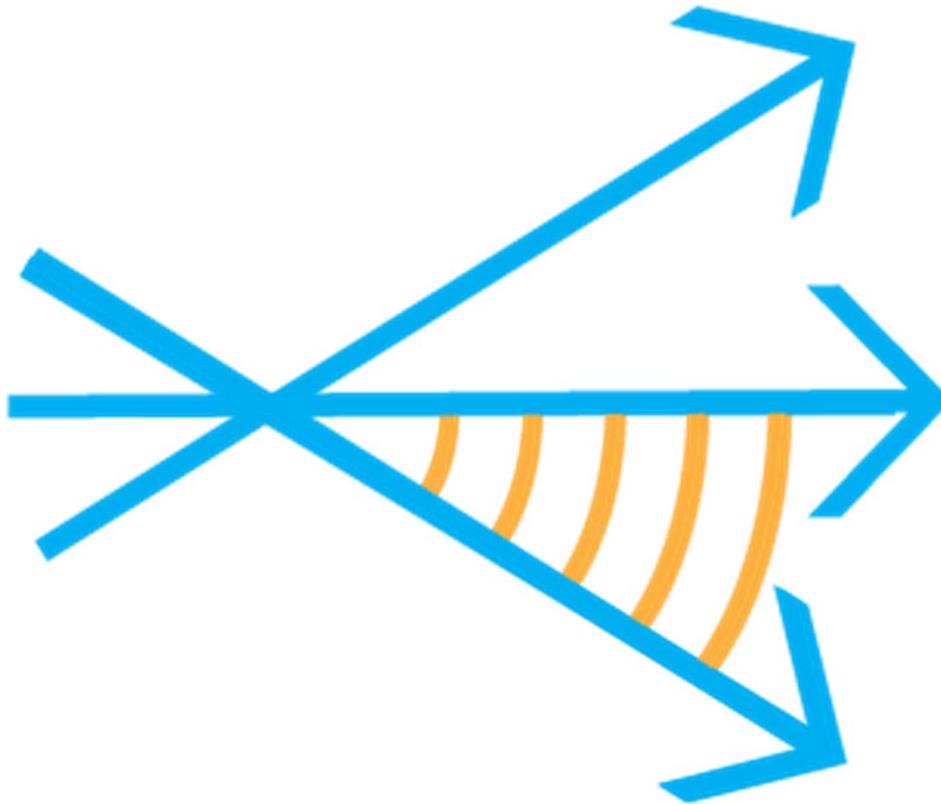
**Infrastructure gap.**  
Decline in businesses and jobs.

**Decreased**  
**Revenue projections - \$1.7b**  
MFT, DMV, Highway

2013-2023



# solutions



**Yet, we can address part of the problem through a strategic mobility formula**

**Address shrinking revenue**

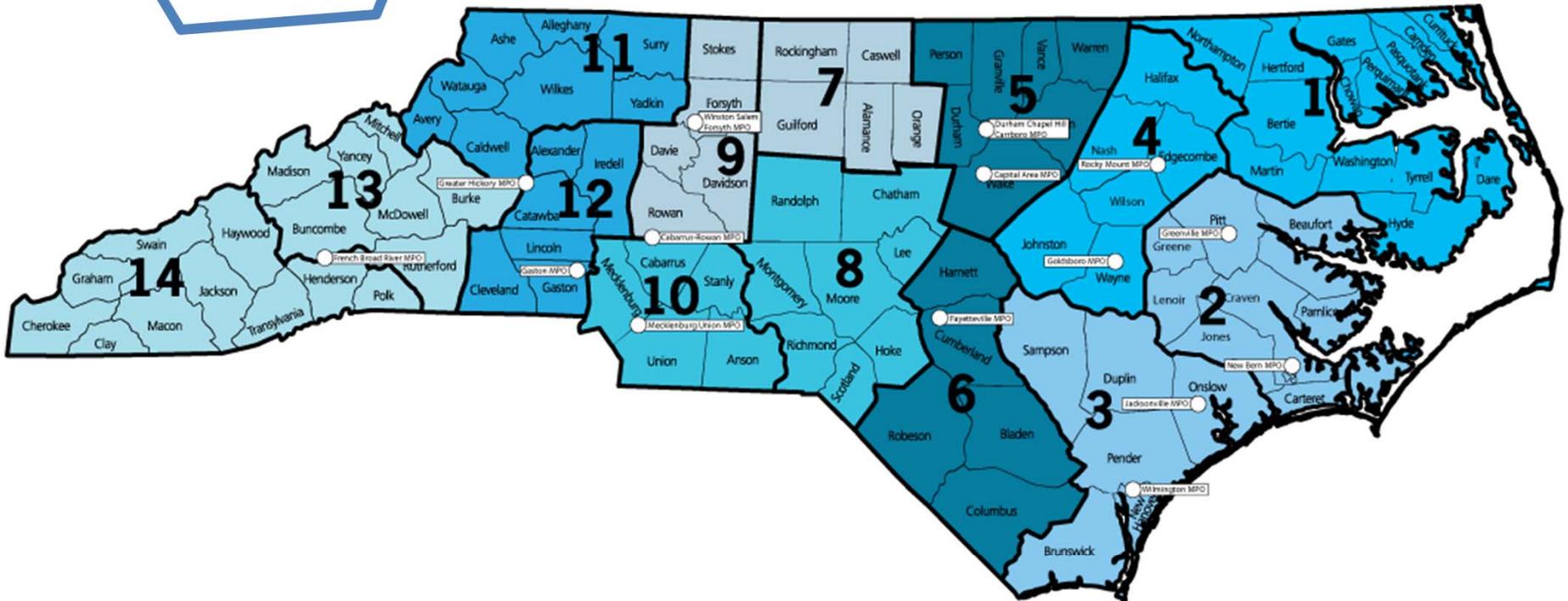


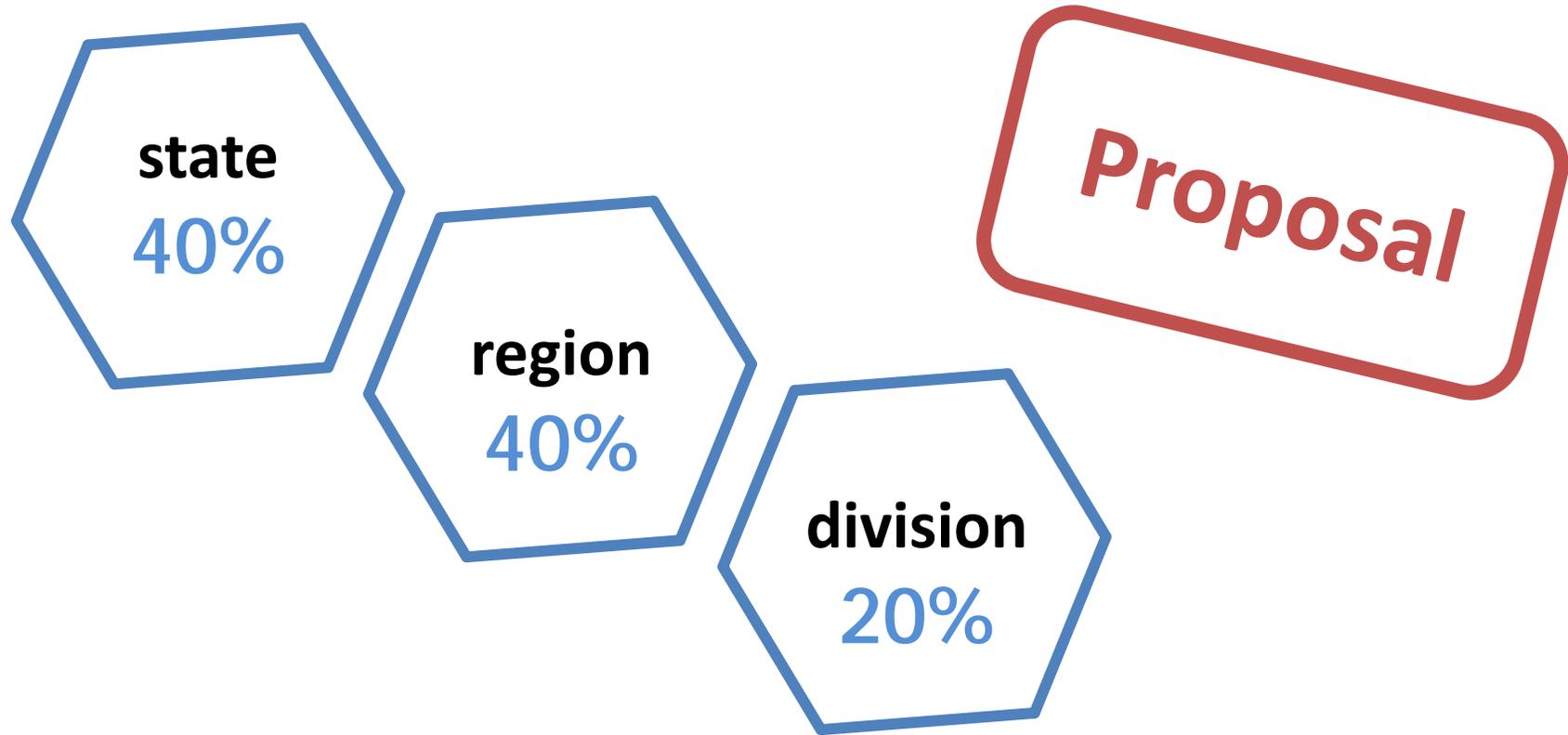
**how is it currently distributed?**

**(in)equity formula based on % population  
and equally shared across 14 divisions**



regions & divisions



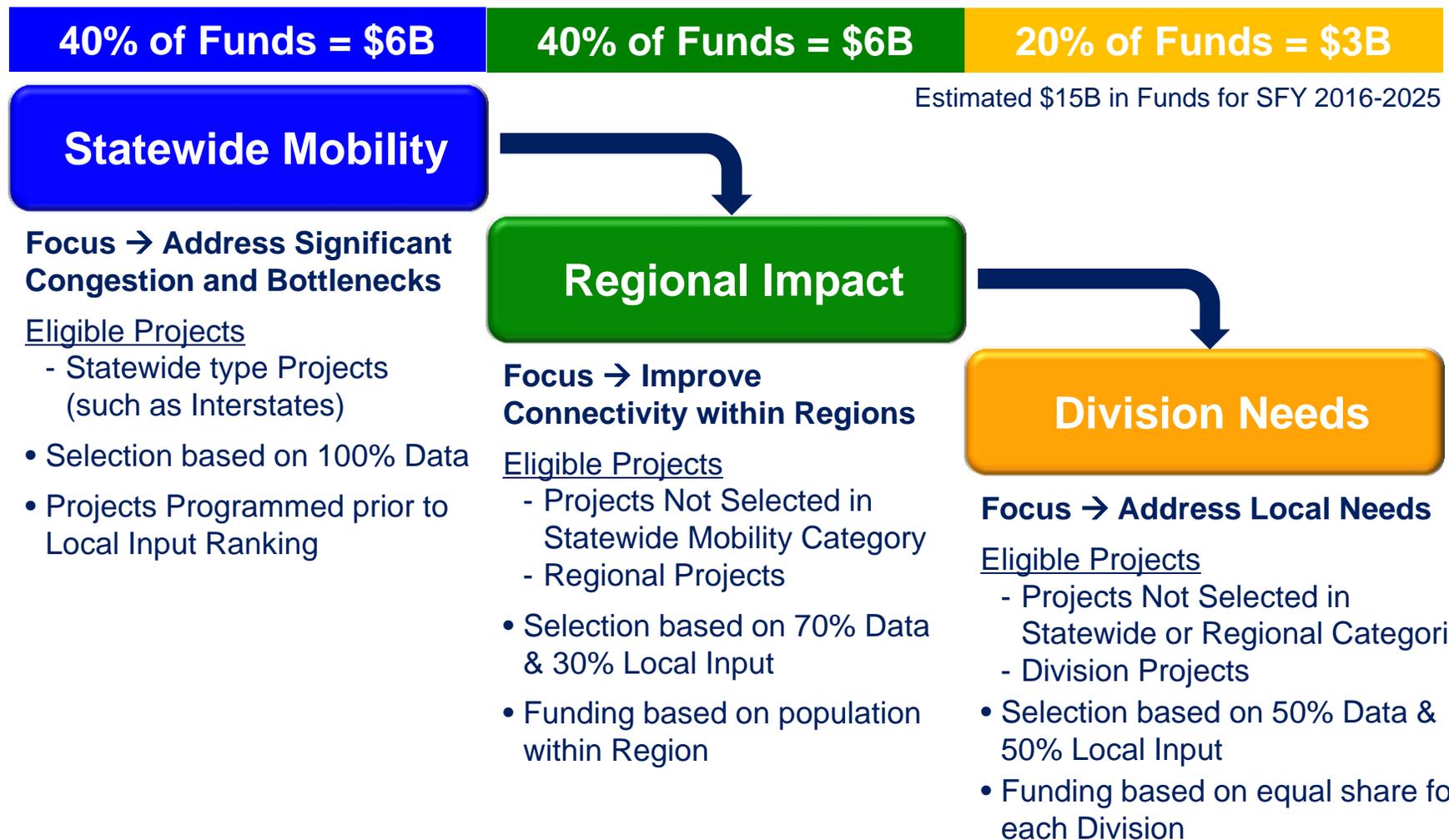


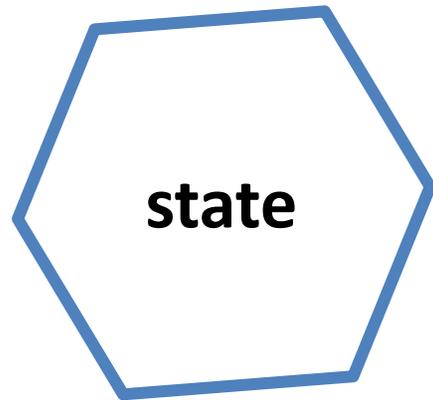
**strategically invest resources to ensure state, regional, and local priorities are met**





## How the Strategic Mobility Formula Works

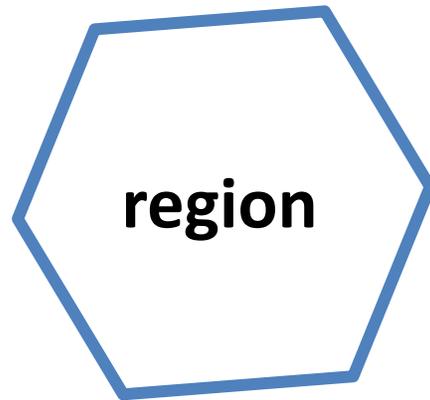




**40% of revenue or  
\$6.4 billion statewide  
(over 10 years)**

- **Address statewide and regionally significant congestion/bottlenecks**
  - Statewide ONLY
  - All modes compete (hwy and non-hwy projects)
- **100% data driven**
  - Benefit-cost (*reduced travel time /project costs*)
  - Existing congestion
  - Economic competitiveness
  - Freight
  - Multi-modal

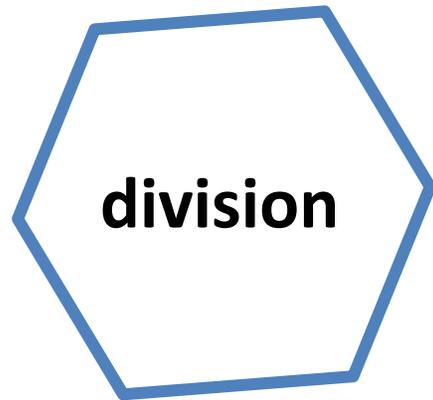




**40% of revenue or  
\$6.4 billion over  
all regions  
(over 10 years)**

- **Address projects with regionally significant impact**
  - Statewide and regional needs
  - Paired divisions: (1&4), (2&3), (5&6), (7&9), (8&10), (11&12), (13&14)
  - All modes compete
- **70% data; 30% local ranking**
  - Benefit-cost
  - Connectivity
  - Congestion
  - Economic competitiveness
  - Safety





**Equal share over 14 divisions.**

- **Address localized congestion & safety concerns**
  - All modes compete
- **50% data; 50% local ranking**
  - Benefit-cost
  - Connectivity
  - Shoulder width
  - Safety





## **NCDOT Responsibilities/Commitments**

**All highway projects currently let for construction through July 1, 2015 will not be subject to prioritization**

**Recommend keeping prioritization to a 2 year cycle**

**Recommend first 5 years of SFY 2016-2025 Work Program is “committed” after scores are applied**

**Complete the technology improvements associated with P3.0**

**Partner with the Work Group to make expedient decisions supportive of legislative requirements**



## Economic Competiveness

### NCDOT focus remains the same:

- Jobs, Jobs, Jobs
- 20% weight must be minimum percentage
- Explanation must be simpler

### Proposed Scoring Options:

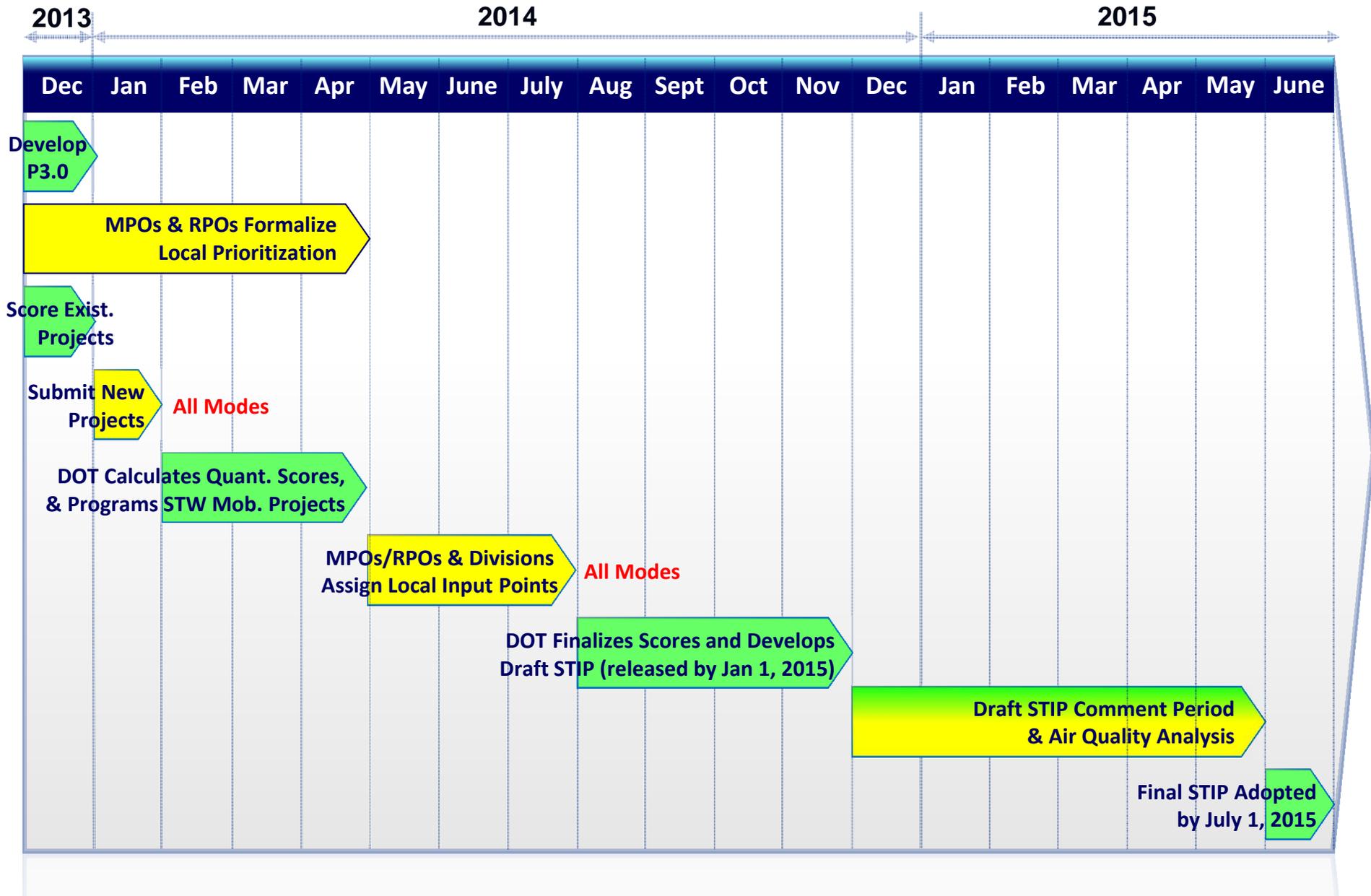
1. 100% based on long-term jobs created
2. 50% based on long-term jobs created + 50% based on value added in \$

**Economic Area could be State of NC, Region (Paired Divisions), or Single Division (can vary with funding category)**

### Scoring Scale → # Expected Jobs / 10

- Example: 770 jobs created = 77 points
- Example: 540 jobs created = 54 points
- 1000+ jobs created = 100 points (max)

# Prioritization 3.0 Proposed Schedule - Revised



### ACTIVE NCDOT PROJECTS LOCATED IN DCHC MPO

County	TIP/WBS #	Description	Let Date	Completion Date	Status	Cost	Comments
Orange / Chapel Hill	43745	Installation of a traffic signal on SR 1750 (Estes Drive) at Library Drive (non system)		4/1/13	<b>Complete except Ped. Movements - Pending Sidewalk project</b>	\$75,000	Small Construction Funds
Orange / Carrboro	43687	Town of Carrboro - Radius improvements, high visibility crosswalks and pedestrian refuge island at the intersection of SR 1009 (Hillsborough Road), James Street (non system) & Quail Roost Drive (non system) in Carrboro.		TBD	District Design / Construction Summer 2013 by NCDOT Work Forces	\$40,000	Small Construction Funds
Orange / Chapel Hill	U-0624 C203175 34762.3.4	NC 86 (S. Columbia St.) From SR -1906 (Purefoy Rd) to SR 1902 (Manning Dr). Widening , Grading, Drainage, Paving & Signals	10/16/2012	12/28/2014	12% Complete 7% Schedule	\$4,565,147	TIP
Orange / Carrboro	U-2803 C203028 34860.3.1	Widening of SR 1919 (Smith Level Road) from Rock Haven Road to Bridge # 88 over Morgan Creek	12/18/2012	5/14/2015	2% Complete 3% Schedule	\$4,946,197	TIP
Orange / Chapel Hill	U-3306 C202266 34913.3.ST1	Grading, Drainage, Paving, Signals, Curb, and Gutter and Retaining Walls on SR 1733 (Weaver Dairy Road) From NC 86 to Old Sterling Road	7/20/2010	6/15/2013	82% Complete 86% Schedule	\$9,584,886	ARRA / TIP
Orange	W-5207 E 45337.1.5	Installation of a roundabout on SR 1734 (Erwin Rd.) and SR 1791 (Mt. Moriah Rd.) near Chapel Hill	TBD	10/1/2013	R/W acquisition in progress	\$450,000	High Hazard Safety
Orange / Carrboro	W-5207 I 45337.1.9	Funds for preliminary engineering on SR 1005 (Jones Ferry Road) and Davie Street)	TBD	TBD	Design in progress	\$50,000	High Hazard Safety
Orange	W-5318 C203193	Geometric Improvement, Paved Shoulders, Resurfacing and Rumble Strips on NC 86 from NC 57 to Caswell Co.	2/19/2013	10/31/13	Contract Awarded	\$4,750,000	High Hazard Safety
Orange	SS -4907 V 42423.3 42423.1	Realign intersection of SR 1005 (Old Greensboro Rd.) @ SR 1951 (White Cross Rd.)	TBD	TBD	Alternate Design in progress	\$198,000	Spot Safety-State
Orange / Chapel Hill	SS-4907 AP 43640.1.1 43640.2.1 43640.3.1	SS-4907AP - Orange - NC 86 (Martin Luther King Jr., Blvd.) and SR 1750 (Estes Drive) in Chapel Hill. Improve sight distance by cutting back the bank in the northeast quadrant of the intersection. Cyclists cannot see the cars at the stop bar and the motorists cannot see the cyclists.		TBD	District Design / NCDOT Work Forces	\$25,600	Spot Safety
<b>NCDOT PROJECTS CURRENTLY IN 12 MONTH LETTING LIST</b>							
County	TIP #	Location Description	Est. Let Date	Completion Date	Status	Cost	Comments
Orange	I-5312	Mill & Resurface I-85 from east of I-40 to the Durham County Line.	10/15/2013	TBD	Contract documents pending	\$4,300,000	TIP

## LOCAL GOVERNMENT ADMINISTERED PROJECTS LOCATED IN DCHC MPO

County	TIP/WBS #	Description	Let Date	Completion Date	Status	Cost	Comments
Orange / Hillsborough	C-5184 / 46234.3.1	Riverwalk Trail Phase III - Construct a paved off-road trail along Eno River connecting River Park, Gold Park and the Occoneechee Mountain State Natural Area and construct sidewalk to provide pedestrian and bicycle connections to the Greenway.	3/14	TBD	Engineering & R/W 2013, Construction 2014	\$610,000	CMAQ
Durham/ Orange	EB-4707A (Orange) / EB-4707B (Durham)	Bicycle improvements(Bikeway and signals) on Durham/ Chapel Hill (SR 1838/SR 2220)from SR 1116 (Garrett Road) in Durham County to US 15-501 in Orange County	TBD	TBD	Delayed R/W to FY 13 and Construction to FY 14 / 15 to allow City to secure increased funding	\$4,900,000	
Orange / Carrboro	EL-4828 / 40245.1.1 & 40245.3.1	Design & construction of multi-use pedestrian /bicycle path along Morgan Creek from Smith Level Road to the Weatherhill Pointe neighborhood & construct a multi-use pedestrian /bicycle path along Morgan Creek from Smith Level road west to the Berryhill Neighborhood .	TBD	TBD	Delay Construction from FY12 to FY13 / Planning & Design	\$480,000	STP-DA; MA w/TOC
Orange / Chapel Hill	ER-2971 G 3607.3.09	Widen roadway, install curb and gutter and construct sidewalk along SR 1750 (Estes Drive) between Burlage Circle and SR 1010 (Franklin Street)	TBD	8/1/13	<b>Construction authorization complete</b>	\$200,000	Small Construction/ Division Enhancement; MA w/TOCH
Orange / Chapel Hill	ER-2971 G 3607.3.13	Construct sidewalks on SR 1900 (Mason Farm Road) from US 15/501 (Fordham Blvd.) to Highland Woods Road	TBD	8/1/13	Environmental Document approved	\$30,000	Division Enhancement; MA w/TOCH
Orange / Carrboro	SR-5000 S 40922.1.18	Education, encouragement, evaluation, and neighborhood outreach for Carrboro Elementary School			Program underway	\$12,865	Safe Routes to Schools; MA w/TOC
Orange / Carrboro	SR-5001 AE	Construct 870 linear feet of 5' sidewalk on Elm Street from existing sidewalk near Weaver Street to Shelton Street in Carrboro	2/21/12	12/31/12	Construction complete;Final closeout pending	\$300,000	Safe Routes to Schools; MA w/TOC
Orange / Chapel Hill / Carrboro	SR-5001 AR	Construct 320' of 5' sidewalk on Culbreth Road between Cobbleridge Rd. in Chapel Hill and Rossburn Rd. in Carrboro	4/12/12	1/31/13	95% Complete	\$50,000 SRTS/\$108,000 STPDA	SRTS/STP-DA; MA w/TOC

## LOCAL GOVERNMENT ADMINISTERED PROJECTS LOCATED IN DCHC MPO

County	TIP/WBS #	Description	Let Date	Completion Date	Status	Cost	Comments
Orange / Carrboro	U-4726 DC 36268.3.4	Wilson Park Multi-Use Path	6/7/12	11/26/12	<b>Construction complete;Final closeout pending</b>	\$129,431	STP-DA; MA w/TOC
Orange / Carrboro	U-4726 DD	Construct sidewalk on Rogers Road from Homestead Road to Meadow Run Ct.	10/31/13	4/30/14	Design underway	\$428,960	STP-DA; MA w/TOC
Orange / Carrboro	U-4726 DE (replaces EL- 4994)	Construct Bolin Creek Multi-use Path from Homestead Road to Chapel Hill High School	TBD	TBD	Design underway	\$590,000	STP-DA; MA w/TOC
Orange / Carrboro	U-4726 DF	Bicycle detection at Signalized Intersections	TBD	TBD	Design underway	\$36,000	STP-DA; MA w/TOC
Orange / Chapel Hill	U-4726 IF	Design and install stairs from the sidewalk on the north side of Franklin St. to the Bolin Creek Trail	TBD	TBD	Supplemental agreement to remove construction; Town to pay for construction	\$20,000 PE	STP-DA; MA w/TOCH
Orange / Chapel Hill	U-4726 IG	Morgan Creek Trail Phase 2 - Construct 10' wide greenway from existing Fan Branch Trail near Culbreth Rd. and US 15/501 to Phase I		11/1/13	Submittals approved; Construction to begin this spring	\$1,310,000 / additional funds \$1,000,000 8/12	STP-DA; MA w/TOCH

## Item 5.b.

<b>NCDOT <u>ACTIVE</u> PROJECTS LOCATED IN TARPO</b>							
<b>TIP/WBS #</b>	<b>Description</b>	<b>Let/Start Date</b>	<b>Completion Date</b>	<b>Contractor</b>	<b>Status</b>	<b>Cost</b>	<b>Comments</b>
W-5318 46141.3.1	Geometric Improvement, Paved Shoulders, Resurfacing and Rumble Strips on NC 86 from NC 57 to Caswell Co. in <b>Orange Co.</b>	2/19/2013	10/31/2013	Carolina Sunrock	Contract awarded	\$4,281,882	High Hazard Safety
<b>NCDOT <u>FUTURE</u> PROJECTS LOCATED IN TARPO</b>							
<b>TIP/WBS #</b>	<b>Description</b>	<b>Let/Start Date</b>	<b>Completion Date</b>		<b>Status</b>	<b>Cost</b>	<b>Comments</b>
C-5184 46234.3.1	Construction of 1208' of 5' sidewalk and 615' of 8' asphalt greenway to provide pedestrian & bicycle connection to the 1.5 mile, off road, paved greenway along Eno River know as Riverwalk Phase II in <b>Hillsborough</b>	TBD	12/31/2014		Design in progress, R/W - 9/30/13	\$450,000	CMAQ
W-5143 45267.3.1	Improve horizontal alignment of curve to provide a minimum 60 mph design speed on SR 1004 (Efland-Cedar Grove Rd.) north of intersection with SR 1332 (Highland Farm Rd.) in <b>Orange Co.</b>	4/15/2014	12/31/2014		Design in progress, R/W - 8/16/13	\$325,000	High Hazard Safety