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A. Introduction

This report represents the documentation of the highway, transit, and bicycle alternatives to be tested in Tier-2 analysis. The alternatives are intended to represent the baseline conditions and reasonable options generated as a result of Teir-1 analysis. The next step in the process is the evaluation process, whereby alternatives will be tested using the Regional Travel Demand Model and the performance measures of the alternatives will be generated. The network alternatives presented below will be coded as a series of layers in the model. The layers will be overlaid on one another to create different alternative scenarios (i.e. 14 Tier-2 alternative scenarios).

The TAC at its October meeting endorsed a list of 15 alternatives to be evaluated in Tier-2 analysis phase. Subsequent to the TAC action, the Lead Planning Agency (LPA) staff, in cooperation with the transit agencies and other stakeholders started to review, in detail, each project within the 2025 baseline condition and the 15 alternatives. This review was necessary in order to update network coding and also to ensure that project descriptions, limits, and scope mesh with model networks.

During the review of the baseline condition and the 15 Tier-2 alternatives, it became apparent that the definition of "existing-plus-committed" used as a guideline in generating baseline condition was too liberal. Consequently, certain highway and transit projects included in the base are beyond what could reasonably be expected to be in place under baseline assumptions. Furthermore, including these projects in the base obviates the ability to evaluate their effectiveness and essentially masks the effectiveness of more intensive highway and transit improvements. This was evidenced in the US 15-501 Phase-2 MIS where assumptions of extensive transit improvements in the baseline condition resulted in more intensive transit improvements in the corridor generating few new transit riders (compared to an inflated base condition).

In view of the above, the TCC Transportation Plan Sub-committee met on November 13 to re-evaluate the guidelines for defining a true and realistic baseline (no-build or existing-plus-committed), and subsequently, recommended shifting some of the highway and transit projects from the baseline condition to either the moderate or intensive networks. The revised highway and transit base condition and moderate and intensive networks are presented below.

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Highway Assumptions (Baseline)

The revised highway assumptions represent existing-plus-committed (E+C). Existing-Plus-Committed projects are essentially previously approved projects identified in the Transportation Improvement Program (TIP) which are fully funded and/or are deemed to have reasonable funding stream, future municipal bond or Capital Improvement Program (CIP) projects, or private developer projects that are on the horizon. The projects listed below will be tested with all alternatives and will be assumed as a given. Multi-jurisdictional projects are listed in all jurisdictions in which they extend, with the terminus shown as the county line.

The changes made to the base assumptions are as follows:

The following projects (I-40 from I-85 to US 15501; Alston Ave Ext; East-End Connector; Northern Durham Parkway; Briggs Avenue; US 70 from Cheek to Wake Co Line) were moved from base assumptions to Moderate highway.

Chatham County

<i>No. Project</i>	<i>X-Section</i>	<i>Project Limits</i>	<i>TIP #</i>
1 US 15-501	4-lane divided	Pittsboro Bpass to Orange Co. line	R-942

Durham County

<i>No. Project</i>	<i>X-Section</i>	<i>Project Limits</i>	<i>TIP #</i>
2 Alexander Dr	4-lane divided	Cornwallis Rd to Miami Blvd	U-3309
*3 Carver Street Ext	3-lane	Armfield St to Old Oxford Rd	
4 Davis Dr	4-lane divided	NC 55 to Cornwallis Rd	U-2405
5 Fayetteville Rd	5-lane	Woodcroft Pkwy to South Point	CIP/Bond
6 Garrett Rd/Chapel Hill Rd	Upgrade	Intersection Improvements	U-3105
7 Guess Rd	5-lane/4-lane divided	Carver St to Umstead Rd	U-2102
8 Holloway Street	5-lane	US 70 to east of Junction Rd	U-4010
9 Hopson-Page Rd Ext	5-lane	NC 54 to Page Rd	U-3853
10 I-40	8-lane freeway	NC 147 to Wake Co line	I-2204
11 I-40	6-lane freeway	US 15-501 to NC 147	I-3306
12 I-85	8-lane freeway	US 15-501 Bypass N to US 70	I-306
13 I-85 N/US 70 E	Upgrade	Interchange	I-306
14 Miami Blvd.	5-lane	Methodist Dr to Angier Ave	U-4011
*15 MLK Parkway	4-lane divided	Old Chapel Hill Rd to NC 55	CIP/Bond
16 NC 54	6-lane divided	Burning Tree to Barbee Chapel	Private
17 NC 54/Page Rd	4-lane divided	Davis Dr to Miami Blvd	R-2904
18 NC 55	4-lane divided	Cornwallis Rd to Wake Co.	R-2906
19 NC 55	5-lane	NC 147 to NC 98	
20 NE Durham Pkwy	4-lane divided	I-85 N to US 70 E	R-2631
*21 Northeast Creek Pkwy	2-lane	Cornwallis Rd to Ellis Rd	U-2831
22 Roxboro St Extension	4-lane divided	Hope Valley Farms to MLK Pkwy	Private
*23 South Point Pkwy	4-lane divided	NC 751 to Fayetteville Rd	Private

*24 Stadium Drive Ext	3-lane curb & gutter	Shaftsbury Dr to Kirkwood Dr	CIP/Bond
25 SW Durham Pkwy	2-lane	Farrington Rd fm I-40 to Chape	existing
*26 SW Durham Pkwy	5-lane	Watkins Rd to US 15-501	Private
27 SW Durham Pkwy	4-lane divided	NC 54 to Rizzo Conf. Driveway	Private
28 US 15-501	6-lane arterial	Mt Moriah Rd to Garrett Rd	U-4012
29 US 70	6-lane	E of Cheek Rd to I-85 (incl. C	I-30
30 US 70/Miami Blvd/Mineral		Intersection Upgrade	U-2808
*31 Woodcroft Pkwy	2-lane divided	Barbee Rd to Carpenter-Fletch	Private

Orange County

<i>No. Project</i>	<i>X-Section</i>	<i>Project Limits</i>	<i>TIP #</i>
*32 Elizabeth Brady Rd Ext	4-lane divided	US 70 Business to St Mary's Rd	U-3808
33 Estes Dr	3-lane	Greensboro Rd to NC 86	U-2909
34 Hillsborough Rd	2-lane	Lorraine St to Old Fayettevill	U-3100
35 Homestead Rd	3-lane	High School Rd to NC 86	U-2805
36 Horace Williams Rd Network	2-lane	Horace Williams Campus	
37 Old NC 86	4-lane divided	I-40 to Oakdale Dr	Private
38 Carrboro N-S new facility	2-lane	Old NC 86 to NC 86 : 85/new hope ch	Private
*39 Portion of Western Bypass	2-lane	NC 86 to NC 57	R-3438/Private
40 Smith Level Rd	4-lane divided	Rock Haven Rd to NC 54 bypass	U-2803
41 South Columbia St	2-lane	turn lanes	U-624
42 US 15-501	4-lane divided	I-40 to Franklin St	U-2807
43 US 15-501	4-lane divided	Orange Co line to Chapel Hill	R-942
44 Weaver Dairy Rd	5-lane/4-lane divide	NC 86 to Erwin Rd	U-3306
45 Weaver Dairy Rd Ext	4-lane	Horace Williams property to N	Private
46 NC 86	4-lane divided	Homestead Rd to Whitfield Rd	U-2302

* on new location (alignment)

Bold projects in original **Moderate hwy.**

Moderate Highway

The moderate highway alternative builds on the base highway assumptions. This alternative was developed by staff, TCC, and CAC using the deficiency analysis and their knowledge of the area to identify needed projects.

Chatham County

<i>No. Project</i>	<i>Cross-Section</i>	<i>Project Limits</i>	<i>TIP #</i>
1 NC 751	4-lane divided	US 64 to Durham Co line	

Durham County

<i>No. Project</i>	<i>Cross-Section</i>	<i>Project Limits</i>	<i>TIP #</i>
2 Alexander Dr	4-lane divided	NC 147 to NC 55	
3 Alston Ave Ext	3-lane	Holloway St to Old Oxford/Roxoboro	CIP/Bond
4 Briggs Ave Ext	2-lane	So-Hi Dr to Riddle Rd	
5 Cornwallis Rd	4-lane divided	NC 55 to Alexander Dr	
6 East End Connector	4-lane divided	NC 147 to US 70 E	
7 Fayetteville Rd	5-lane	Woodcroft Pkwy to Cornwallis Rd	
8 Glover Rd	Interchg/4-lane divided	Glover Rd/NC 147 interchange; 147 to US 70	
9 Hillandale Rd	5-lane	I-85 to Horton Rd	
10 Hillandale Rd Ext	4-lane divided	Horton Rd to Guess Rd	
11 Midland Terrace	2-lane	NC 98 to Geer St	
12 MLK Pkwy	4-lane divided	NC 55 to Cornwallis Rd connector	U-2405
13 NC 147	4-lane divided	I-540 to I-40	
14 NC 54	4-lane divided	Miami Blvd to Wake Co line	
15 NC 54	4-lane divided	I-40 Interchange to NC 55	
16 NC 54/NC 751/Garrett Rd	Upgrade	Intersection	
17 NC 751	4-lane divided	Chatham Co line to S Roxboro St	
18 NW Durham Pkwy	4-lane divided	Roxboro Rd to I-85 North	R-2630
19 Old Oxford Rd	5-lane	Roxboro St to International Dr	
20 S Roxboro St Ext	4-lane divided	end to Cornwallis Rd	
21 Scott King Rd	2-lane	Grandale Dr to NC 55	
22 SW Durham Dr	2-lane	Rizzo Conf. Dr to I-40	Private
23 US 70	6-lane freeway	Lynn Rd to west of NC 98	U-71

Orange County

<i>No. Project</i>	<i>Cross-Section</i>	<i>Project Limits</i>	<i>TIP #</i>
24 Homestead Rd	3-lane	Old NC 86 to High School Rd	
25 I-40	6-lane	I-85 to US 15-501	I-3306
26 I-85	6-lane	I-40 to the Durham Co line	
27 Mason Farm Rd	Realignment	Near S Columbia St	
28 NC 54 Bypass	6-lane	Manning Dr to NC 54	
29 NC 86	4-lane divided	Old NC 10 to US 70 Business	
30 Old NC 86	4-lane divided	Oakdale Dr to US 70 Business	
31 UNC Access to the Bypass	2-lane	Btwn Manning Dr & S Columbia St	
32 Western Bypass	2-lane	US 70 to NC 86	

* On new location

Moderate + 1 Highway

The moderate highway alternative builds on the base highway assumptions. This alternative was developed by staff, TCC, and CAC using the deficiency analysis and their knowledge of the area to identify needed projects.

Chatham County

<i>No. Project</i>	<i>Cross-Section</i>	<i>Project Limits</i>	<i>TIP #</i>
1 Farrington Mill Rd	4-lane	Mt Carmel Church Rd to Durham Co line	
2 Jack Bennett Connector	2-lane	US 15-501 to Farrington to Durham Co	

Orange County

<i>No. Project</i>	<i>Cross-Section</i>	<i>Project Limits</i>	<i>TIP #</i>
3 Alexander Dr	4-lane divided	NC 55 to Cornwallis Rd	
4 Cornwallis Rd	4-lane divided	Alexander Dr to S Miami Blvd	
5 Cornwallis Rd Ext	4-lane divided	S Miami Blvd to Page Rd	
6 Farrington Mill Rd	4-lane	Barbee Chapel Rd to Chatham Co line	
7 Farrington Rd	4-lane	Barbee Chapel Rd to NC 54	
8 Garrett Rd	3-lane	NC 54 to US 15-501	
9 Hillandale Rd	5-lane	Sprunt Ave to I-85	
10 I-40	8-lane freeway	US 15-501 to I-540 in Wake Co	
11 Infinity Rd	3-lane	Roxboro Rd to Snow Hill Rd	
12 Latta Rd	3-lane	Guess Rd to Roxboro Rd	
13 NC 147	6-lane	Alston Ave to I-40	
14 NC 54	6-lane	I-40 to Barbee Chapel Rd	
15 NC 98	4-lane divided	Nichols Farm Rd to Sherron Rd	
16 North-South Bypass	2-lane	W of Carrboro	
17 Page Rd	4-lane divided	I-40 to Page Rd Ext	
18 Snow Hill Rd	3-lane	Old Oxford Rd to Infinity Rd	
19 Stagecoach Rd	4-lane	Farrington Mill Rd to NC 751	
20 US 15-501 By-Pass	6-lane freeway	Pickett Rd to Morreene Rd	
21 US 70	6-lane divided	Lynn Rd to Wake Co line	
22 Woodcroft Pkwy Ext	2-lane divided	Garrett Rd to Hope Valley Rd	
23			

Orange County

<i>No. Project</i>	<i>Cross-Section</i>	<i>Project Limits</i>	<i>TIP #</i>
24 Lawrence Rd Bypass	2-lane	NC 86 to Old NC 10 to NC 57	
25 I-40	8-lane freeway	US 15-501 to I-85	
26 US 70 Bypass	4-lane divided	I-85 to Durham Co line	
27 US 70 Bypass	4-lane divided	Exit 161 to I-85 at Durham Co line	
28 NC 86	4-lane divided	Old NC 10 to New Hope Church Rd	
29 NC 86	4-lane	US 70 Bypass to UAB	

Moderate +2 Highway

Durham County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
Duke St.	7-lane	I-85 to Roxboro Rd.	
Roxboro Rd.	7-lane	Duke St. to Orange Factory Rd.	

Orange County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
King Edward Rd. Ext.	2-lane	Dimmocks Mill Rd. to US 70 connecting to the Western Bypass	
New Facility (OC-2)	2-lane	NC 54 to Bethel Hickory Grove Church Rd.	Private
New Facility (OC-3)	2-lane	Sewell School Rd. to Homestead Rd.	

Intensive highway

The highway intensive scenario reflects a substantially greater investment in highway facilities than the current trend. This alternative allows us to test the addition or improvement of a wide variety of facilities that have been recommended by staff and members of the public to see the impact of substantial investment in highway facilities. The highway intensive alternative has a number of iterations including several different termini for the Northern Freeway and the Durham Northwest Loop. A high occupancy vehicle (HOV) alternative is also included in one of the highway intensive alternatives. The differences between the highway intensive alternatives are shown in bold/italics.

Chatham County

<i>No. Project</i>	<i>Cross-Section</i>	<i>Project Limits</i>	<i>TIP #</i>
1 Cole Mill Rd	4-lane divided	Kimball Dr to Umstead Rd	
2 Garrett Rd	5-lane	NC 54 to US 15-501	
3 Hillandale Rd	4-lane divided	Club Blvd to I-85	U-2708
4 Infinity Rd	5-lane	Roxboro Rd to Snow Hill Rd	
5 Latta Rd	5-lane divided	Umstead Rd to Roxboro Rd	
6 Lawrence Rd Bypass	2-lane	NC 86 to Old NC 10 to NC 57	
7 NC 98	4-lane divided	Nichols Farm Rd to Sherron Rd	
8 Northern Freeway	4-lane divided	Durham Co line to I-85	
9 Northern Freeway	4-lane divided	Orange Co line to N Wake Expressway	
10 North-South Bypass	2-lane	West of Carrboro	
11 Page Rd	4-lane divided	I-40 to Page Rd Ext	
12 Sherron Rd	4-lane divided	US 70 to Hwy 98	
13 Snow Hill Rd	5-lane	Old Oxford Rd to Infinity Rd	
14 Stagecoach Rd	4-lane divided	Farrington Mill Rd to NC 751	
15 Umstead Rd	4-lane divided	Cole Mill Rd to Guess Rd	
16 US 15-501	6-lane freeway	I-40 to US 15-501 Bypass	
17 US 15-501	6-lane divided	I-40 to US 15-501 Bypass	

Minor Widening/Transportation System Management (TSM)

This alternative layer focuses on maintenance and improvement of existing facilities. Spot improvement widening for facilities with transit routes and intersection improvements are included in this layer.

Chatham County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
1	Farrington Mill Rd.	Mt. Carmel Church Rd. to Durham Co. Line	

Durham County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
2	Mineral Springs Rd.	US 70 to NC 98	
3	Pleasant Dr.	Angier Ave. to Mineral Springs Rd.	
4	Angier Ave.	Alston Ave to S. Miami Blvd.	
5	Cornwallis Rd.	NC 55 to Riddle Rd.	
6	Fayetteville Rd.	Riddle Rd. to NC 147	
7	Riddle Rd.	Fayetteville Rd to Alston Ave.	
8	Alston Ave.	Hopson Rd. to Riddle Rd.	
9	Holloway St.	Roxboro St. to US 70 Bypass	
10	Roxboro St.	Cheek Rd. to Duke St.	
11	Infinity Rd.	Roxboro Rd. to west of Snow Hill Rd.	
12	Latta Rd.	Guess Rd. to Roxboro Rd.	
13	Duke St.	I-85 to Infinity Rd.	
14	Club Blvd.	Hillandale Rd. to Roxboro St.	
15	Hillandale Rd.	NC 147 to Carver St.	
16	Chapel Hill St.	Kent St. to NC 147	
17	Kent St.	Chapel Hill Rd. to Chapel Hill St.	
18	Chapel Hill Rd.	University Dr. to Kent St.	
19	Lakewood Ave.	Duke St. to Roxboro St.	
20	University Dr.	MLK Pkwy to Duke St.	
21	Garrett Rd.	US 15-501 to Pickett Rd.	
22	Pickett Rd.	Orange Co. Line to US 15-501 Bypass	
23	Farrington Mill Rd.	Chatham Co. Line to Barbee Chapel Rd.	
24	Farrington Rd.	Barbee Chapel Rd. to I-40	

Orange County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
25	US 15-501	Franklin St. to I-40	
26	NC 86	Old NC 10 to Bus. 70	
27	Erwin Rd.	US 15-501 to I-40	
28	South Rd.	S. Columbia St. to Fordham Blvd.	
29	Manning Dr.	S. Columbia to Fordham Blvd.	
30	Mason Farm Rd.	S. Columbia St. to NC 54 Bypass	
31	Hibbard Dr.	Mason Farm Rd. to Manning Dr.	
32	Ephesus Church Rd.	US 15-501 to Frances St.	
33	Pickett Rd.	Erwin Rd to the Durham Co. Line	

Travel Demand Management (TDM-1)

Travel Demand Management (TDM) measures will be analyzed by two different methods: the Regional Travel Demand Model and the FHWA TDM Model. The TDM Model links and communicates directly with the Regional Model through trip tables which are fed back and forth as necessary. The following are a list of TDM strategies that will be evaluated individually and as a group. Some of the strategies are evaluated on an area-wide basis while some will be sub-area or employer-based (targeted).

A. Commute Strategies

1. Alternative Modes

1.1 Carpool and Vanpool

- Preferential parking for vanpool/carpool
- Remote telephone rideshare matching

1.2 Bus Transit Projects

- Commuter express bus
- Transit service restructuring/improvements (to base 2025 transit network)
- Commuter rail feeder shuttle
- Noon-time shuttle
- All day circulator

1.3 Commuter Bicycling and Walking

- Bike racks at major destination end
- Bike loan program
- Bike on Buses
- Racks and showers at destination end

2 Alternative Hours

2.1 Compressed Work week

- "4/40" schedule: 4 ten hour days/week
- "3/36" schedule: 3 twelve hour days/week
- "9/80" schedule: 8 nine hour days and 1 eight hour day over two weeks

2.2 Staggered Work Hours

2.3 Flextime

3 Alternative Location

3.1 Telecommuting

3.2 Telecenter

B Pricing/Travel Cost Strategies

I Employee Parking Fee

Region-wide employee parking charge of \$3/day per employee. This will be above and beyond the current parking assumption in the model. Worker driving alone in the region would pay a minimum of \$3.00 (1999) per day for parking at the workplace. However, only Traffic Analysis Zones with major employment establishment - i.e. establishment with 500 or more employee will be affected.

II Tolls on high occupancy lanes (HOT)

This strategy will evaluate the impact of charging average of \$3.75 (1999) on High Occupancy Vehicle (HOV) lanes.

III VMT Fee (Pay As You Drive)

A mileage based fee of \$0.05 (5 cents) per mile would be paid in proportion to miles driven, in a manner that links auto use to price. This strategy essentially allows for examination of the impact of highway or auto operating cost on travel demand and commute patterns.

IV Fuel Tax Increase

Fuel tax increase of \$0.05 (5 cents) per gallon.

V Congestion Pricing

region-wide congestion pricing (LOS E/F and excess delay) - average of \$0.08 per mile during peak period. Utilizing an Automatic Vehicle Identification (AVI) equipment, motorists using the freeways and selected major thoroughfares in the region would pay a fee during the peak period. Generally, Price would vary among links according to volume and capacity.

Note and Assumptions

Employee participation rate of 15% is assumed for alternative work hours strategies.

The following participation rate is also assumed for compressed schedule and telecommuting:

Telecommute	2% -regionally (major employment centers - 10%)
4/40	5%
3/36	3%
9/80	1%

Auto Operating Cost assumed in the model =

$$\frac{\text{fuel cost (cent/gallon)}}{\text{average on-road mpg}} + \frac{\text{annual cost of maintenance}}{\text{avg. miles driven vehicle per year}}$$

Transit Assumptions (T-A)

The Background Transit Network was developed projecting out the current trend in bus service. The assumptions also include Phase I Regional Rail System, extending from N. Raleigh to Downtown Durham and the feeder bus routes associated with the Phase I Rail. The background 2025 transit network for the Capital Area Transit (CAT) routes are included as well. Please note that the transit assumptions and the Intensive Transit Alternative are the same for Chapel Hill Transit.

Chapel Hill Transit

1. Carrboro Northern Transition - UNC up S. Columbia St. to Homestead Rd. to Rogers Rd. to Eubanks Rd. to Old NC 86 south to Homestead to S. Columbia and back to Campus.
2. I-40/US 15-501 Interchange Service- UNC to Franklin St. to US 15-501 to past I-40 and back
3. Carrboro-Chapel Hill Estes Loop - Franklin St. to Estes Dr. to Greensboro St. to Shelton St. to Hillsborough Rd. to Main St. and back to Franklin St.
4. NC 54/Farrington Rd./Barbee Chapel Loop - S. Columbia St. to Mason Farm Rd. to NC 54 to Barbee Chapel Rd to Farrington Rd. to NC 54 to South Rd. and back to S. Columbia
5. SW Durham Dr.. Loop - Old Durham-Chapel Hill Rd. to Pope Rd. to Pinehurst Dr. back into Meadowmont.
6. Horace Williams Northern Loop - Estes Dr. to Willow Dr. to Elliot Rd. to Lake Shore Dr. to Weaver Dairy
7. Horace Williams-UNC Loop - UNC up S. Columbia St. to the Horace Williams Campus
8. UNC-Mason Farm Service - UNC to NC 54 Bypass to NC 54 to Mason Farm and back to UNC
9. Southern Village-UNC - UNC down S. Columbia St. to US 15-501 S to Southern Village and back
10. NC 54 to US 15-501 - NC 54 to Pinehurst to Ephesus Church Rd. to Pope Rd. to Old Durham-Chapel Hill Rd to US 15-501 and back
11. Downtown Loop - Franklin St. to Rosemary St. to Weaver St. to Hillsborough Rd. to Main St. to Franklin St. to Carver St. to Raleigh St. and back to Rosemary St.
12. UNC to Governor's Village - UNC south on Mt. Carmel Church Rd. to the Governor's Village and back to Campus
13. Starpoint to UNC along US 15-501 S.
14. Carrboro Northern Transition II - UNC, Cameron Ave. to Main St. to Hillsborough Rd. to Old NC 86 to Homestead and loops back to NC 86 and back to UNC
15. Chapel Hill Express to RDU/Airport, NC 54 to Davis Dr., Davis Dr. to I-40, follow I-40 to Airport Blvd. to RDU and back the same route.
16. Pittsboro Express, Downtown Pittsboro follow US 15-501 S. to Jack Bennett Rd. to Farrington Mill Rd., Farrington Mill Rd. to Stagecoach Rd. to NC 751, NC 751 to Southpoint Mall to South RTP Station
17. UNC/Manning Dr. to S. Columbia St., follow S. Columbia St. to Mt. Carmel Church Rd. to Farrington Mill Rd., Jack Bennett Rd. to US 15-501 S. back to Pittsboro rd. to S. Columbia St. to Manning Dr./UNC
18. UNC Hospital to Downtown Pittsboro along US 15-501 S. and back
19. Downtown Chapel Hill along Airport Rd./NC 86 to Downtown Hillsborough and back

Park & Ride Stations

20. North of Hillsborough. 12 mile catchment area and 500 spaces. (existing)
21. Mason Farms. 12 mile catchment area and 500 spaces. (existing) 500 more spaces planned.
22. Southern Village. 5 mile catchment area and 500 spaces. (existing)
23. Starpoint. 12 mile catchment area and 500 spaces. (existing)

24. Pittsboro. 12 mile catchment area and 500 spaces. (existing)
25. Governor's Village. 12 mile catchment area and 500 spaces. (future)
26. Eubanks Road. 12 mile catchment area and 500 spaces. (existing)
27. Carrboro Plaza. 12 mile catchment area and 200 spaces. (existing)
28. UNC Lake. 12 mile catchment area and 500 spaces. (future)
29. US 15-501. 5 mile catchment area and 500 spaces. (future)
30. Horace Williams North. 5 mile catchment area and 500 spaces. (future)
31. Horace Williams South
 - P1 5 mile catchment area and 250 spaces. (existing)
 - P2 5 mile catchment area and 500 spaces. (existing)
32. US 15-501 / I40. 5 mile catchment area and 500 spaces. (future)

DATA

1. DATA Transfer Station to Denfield & Roxboro
2. DATA Transfer Station to Carver & Front
3. Alston Ave. Station to Holder & Sherron
4. DATA Transfer Station to Holloway St./ The Village
5. DATA Transfer Station to N. Duke Mall
6. DATA Transfer Station to S. Square Mall
7. DATA Transfer Station to Neal & Meadowbrook
8. Downtown Transfer to S. Roxboro St.
9. DATA Transfer Station to Holmes Recreation Center
10. DATA Transfer Station to Durham Regional Hospital
11. 9th Street to Duke/VA Hospital
12. DATA Transfer Station to S. Park Station
13. NCCU to Holloway & Lynn
14. Fayetteville & Cornwallis to NC 54 & Alston
15. Hinson to Horton & Hillandale
16. Scarlett to Academy & Pickett
17. Bethesda: N. Park to Wake Forest & Sherron
18. Treyburn: DATA Transfer to Toredege & Snowhill
19. Durham Crosstown: S. Square Mall to N. Park Station
20. DATA Transfer to Roxboro & Snow Hill
21. Hinson to Infinity & Roxboro
22. Duke East-West Campus
23. Duke East-Central-West
24. Duke Science Dr. Loop
25. Duke Med 1 to Greystone
26. Duke Med 2 to Duke Hospital N.

27. Duke Med 3 – Stop Entry/No Stop Entry
28. Duke Med 4 to Duke Hospital N. to Erwin Square
29. Duke Student Parking
30. Duke Manor/ Chapel Tower

TTA**Express**

1. Carrboro-Chapel Hill RTP Express, NC 54/I-40 into S. Park Station
2. UNC Hospital to Duke/Durham Express along US 15-501 (30 minute headways)
3. Green Line, NC 54 through Woodcroft to UNC Hospital , Downtown Chapel Hill, US 15-501 to New Hope Commons, Old Durham-Chapel Hill Rd to S. Square Mall, US 15-501 Bypass to Duke, to Downtown Durham
4. Hillsborough to Durham Express
5. N. Chapel Hill to RTP Express, from Park & Ride along US 15-501 to S. Park Station

Shuttles

1. S. Square to S. RTP along MLK
2. N. RTP to Bethesda
3. North Shuttle connecting rail stations in RTP
4. West Shuttle connecting rail stations in RTP

RDU Shuttle

Moderate Transit

This layer represents an expansion of bus service throughout the urban area. Bus technology will be used to serve the needs of the area and the demand for service. The Town of Chapel Hill's trend-line scenario is the same as the moderate transit alternative; therefore, the routes have not been listed again. For the Durham Area Transit Authority, Orange Public Transportation, and the Triangle Transit Authority, this layer represents a substantial increase in transit service provided.

Express Bus/Shuttle Routes:

1. South Square/University Dr. to MLK Pkwy, runs along MLK to NC 55, NC 55 to Cornwallis Rd to Davis Dr. to NC 54., follows NC 54 to South RTP Station.
2. Duke University from Erwin Rd. to NC 147 to NC 55 to NC 54, follows NC 54 to South RTP Station
3. Downtown Durham on Holloway St. to NC 98 to Stallings Rd. and back on the same route.
4. Duke University, NC 147 to I-85 to US 70 to Downtown Hillsborough and back.
5. UNC Hospital to Duke/Durham Express along US 15-501 (15 minute headways)

Standard Service:

1. Downtown Durham - Holloway St. (E.) to US 70 E. Bypass to S. Miami Blvd. to Hopson - Page Road (W) to NC 55 N. to NC 54 and back to downtown Durham
2. Downtown Durham - Fayetteville Rd. (S.) to Scott King Rd. Extension to NC55 N. to NC 54 and back to downtown Durham
3. South Square Mall - University Dr. (S.) to MLK Jr. Pkwy. (E.) to Hope Valley Rd. (S.) to Garrett Rd. (N.) to Pickett Rd. (E.) to Erwin Rd. (N.) to Corwallis Rd. (E.) to University Dr. (W.) to South Square Mall
4. Duke Hospital - Fulton St. (N.) to Hillandale Rd. (N.) to Horton Rd. (E.) to Duke St. (S.) to Gregson Rd. (S.) to Chapel Hill St. (E.) to Downtown Station
5. Durham Regional Hospital - Roxboro Rd. (N.) to Snow Hill Rd. (E.) to Old Oxford Rd. (N.) to Red Mill Rd. (S.) to Hamlin Rd. (W.) to Old Oxford Rd. (S.) to Roxboro Rd. (N.) to Durham Regional Hospital
6. Oxford Commons - Old Oxford Rd. (N.) to Dearborn Dr. (E.) to Midland Terr. (S.) to Midland terr. Extension (S.) to NC 98 E to Lynn Rd. (S.) to Miami Blvd. back to Oxford Commons
7. Downtown Hillsborough to West Hillsborough to Dimmocks Mill Rd. back to downtown
8. Downtown Hillsborough to NC 86 N to proposed Western Bypass (E.) to St. Mary Rd. (S.) to downtown Hillsborough to King St. (W.) to Dimmocks Mill Rd. to proposed Western Bypass to NC 86 to downtown
9. Downtown Hillsborough to US 70 E to Old NC 10 W to NC 86 N to downtown
10. Downtown Hillsborough to Old NC 86 S to Eubanks Rd. (E.) to Rogers Rd. (S.) to Homestead Rd. (E.) to NC 86 N to Whitfield Rd. (E.) to Turkey Farm Rd. (N.) to Mt. Sinai Rd. (W.) to University Station Rd. (N.) to US 70 W to downtown
11. Duke Hospital, Erwin Rd. to NC 751 to Woodcroft Pkwy (E) to NC 55 to NC 54 to South RTP Station

Intensive Fixed Guideway

The following rail/busway corridors along with their associated feeder bus service will be analyzed. Each rail corridor has been coded as a separate layer so that the impact of both the individual rail line and the cumulative system can be evaluated. The fixed guideway transit layer does not build upon the moderate transit. Fixed guideway requires a feeder bus network to serve the stations. The routes have been revised to serve this purpose. Therefore, there is a reorientation of routes in this alternative which differs from the moderate transit.

1. Phase I Regional Rail, Raleigh to Downtown Durham (this is represented on the map but is assumed as a given for the analysis)
- 2a. Phase II Regional Rail, US 15-501 Rail & Busway Corridor, from Durham to Chapel Hill: Corridor A heading south from Duke crossing US 15-501 at S. Square heading south of US 15-501 across I-40 veering south through Meadowmont along NC 54 to NC 54 Bypass west to Manning Drive.
- 2b. Phase II Regional Rail, US 15-501 Rail Corridor, from Durham to Chapel Hill: Corridor B following the US 15-501

Station Locations

US 15-501 Line (2A & 2B)

- From Duke Medical Center, alignments should follow Erwin Road
- Other station locations from Phase I MIS and UNC Master Plan

3. Phase III Regional Rail, North Durham Rail Corridor, Downtown Durham north to Moores Mill Rd. along existing rail corridor

Station Locations

North Durham Line (3)

- Downtown Multimodal Center
- Holloway Street / NC 98
- Club Boulevard
- Eno Drive (Hebron Road)
- Treyburn (East of Vintage Hill Parkway)
- Bahama Road
- Rougemont (Red Mountain Road)

- 4a. Chapel Hill to the RTP Corridor, from Chapel Hill to RTP/Airport via NC 54 Corridor. This corridor would also serve the airport (Rail & Busway)

Station Locations

NC 54 Line (4A)

- UNC Hospital
- Intersection with Mason Farm & 15-501 Line (Smith Center for special events)
- Farrington Road
- NC 751
- Fayetteville Road
- NC 55 (Intersection with NC 55 Line)
- T.W. Alexander Drive
- South Park (Intersection with Phase 1)
- RDU Airport

- 4b. Chapel Hill to the RTP Corridor, from Chapel Hill to RTP/Airport via I-40 Corridor. This corridor would also serve the airport (Rail & Busway)

Station Locations

I-40 Line (4B)

- UNC Hospital
- Intersection with Mason Farm & 15-501 Line (Smith Center for special events)
- Farrington Road
- Southpoint Mall
- Meridian Business Campus (Intersection with NC 55 Line)
- T. W. Alexander Drive @ Cornwallis Road
- North Park (Intersection with Phase 1)
- RDU Airport

5. Hillsborough Rail Extension, Duke University to Hillsborough along existing rail corridor which represents a continuation of the TTA Phase I

Station Locations

Hillsborough Line (5)

- Downtown Durham Multimodal Center
- 9th Street
- Lasalle Street
- NC 751 (Orange/Durham County Line)
- Intersection with Chapel Hill Line
- Near Interchange of I-85 and NC 86
- Downtown Hillsborough (Churton Street)
- Efland (Mount Willing Road)
- Mebane

6. Hillsborough to Chapel Hill Rail Corridor, using the existing rail corridor from Hillsborough south to Chapel Hill/Carrboro

Station Locations

Chapel Hill to Hillsborough Line (6)

- Rail Junction (NC10)
- Eubanks Road
- Horace Williams North
- Horace Williams South
- Downtown Carrboro
- Cameron Avenue
- South Road

7. Durham to Apex Rail Corridor, Downtown Durham along existing rail corridor parallel to NC 55/ Alston Ave. to Apex

Station Locations

NC 55 Line (7)

- Downtown Multimodal Center
- Alston Avenue
- West of Ellis Road near Glover Road
- Cornwallis Road
- Intersection with I-40 / NC 54 Line
- T. W. Alexander Drive

In Wake County
 Outer Loop (I-540)
 Morrisville Parkway Extension
 High House Road
 Downtown Apex

8. Airport Connection from the Phase I Regional Rail Corridor.

Station Locations

Intermediate stops - Wake / Durham

- Page Road between Airport stop and Phase 1
- North Park Station to Page Road Airport

SUMMARY OF TRANSIT REVISIONS

The attached tables illustrate changes made to transit network. As the tables show, peak (am) and off-peak headways were modified to reflect a reasonable continuation of the current trends. Also, some transit improvements were moved from baseline to moderate transit.

The first column depicts the mode (5 and 6 for local bus, 7 for express bus, and 8 for fixed guideway). Second column indicates a line number (used for modeling accounting purposes). The column with A, M and I letters highlights the alternatives (A for assumption, M for moderate and I for intensive).

Base Transit Revision

Mode	Line	Revised Transit Alternatives NAME	Revised Headway			Original headway			
			CHANGES IN BOLD	a m	p m	Alt	am	pm	Alt
5	81	NORTH/SOUTH EXPRESS ob/NB	CHT	15	30	A	15	30	A
5	82	NORTH/SOUTH EXPRESS ib/SB'	CHT	15	30	A	15	30	A
5	85	C ROUTE OUTBOUND'	CHT	20	20	A	15	30	A
5	86	C ROUTE INBOUND	CHT	20	20	A	15	30	A
5	91	D ROUTE OUTBOUND	CHT	20	30	A	15	30	A
5	92	D ROUTE INBOUND	CHT	20	30	A	15	30	A
5	93	F ROUTE OUTBOUND	CHT	20	30	A	15	30	A
5	94	F ROUTE INBOUND	CHT	20	30	A	15	30	A
5	95	G ROUTE OUTBOUND	CHT	20	25	A	15	30	A
5	96	G ROUTE INBOUND	CHT	20	25	A	15	30	A
5	97	J ROUTE OUTBOUND'	CHT	15	30	A	15	30	A
5	98	J ROUTE INBOUND	CHT	15	30	A	15	30	A
5	99	N ROUTE OUTBOUND	CHT	20	30	A	15	30	A
5	100	N ROUTE INBOUND	CHT	20	30	A	15	30	A
5	101	<i>Rename</i> - Airport Road Express (NU Route) OB	CHT	20	30	A	15	30	A
5	102	<i>Rename</i> - Airport Road Express (NU Route) IB	CHT	20	30	A	15	30	A
5	103	S ROUTE OUTBOUND	CHT	10	15	A	15	30	A

5	104	S ROUTE INBOUND	CHT	10	15	A	15	30	A
5	105	T ROUTE OUTBOUND	CHT	20	30	A	15	30	A
5	106	T ROUTE INBOUND	CHT	20	30	A	15	30	A
5	107	U ROUTE OUTBOUND	CHT	12	30	A	12	15	A
5	108	U ROUTE INBOUND	CHT	12	30	A	12	15	A
		H EXPRESS OUTBOUND	CHT	15	30	A			A
		H EXPRESS INBOUND	CHT	15	30	A			A
		CARRBORO EXPRESS OUTBOUND	CHT	20	30	A			A
		CARRBORO EXPRESS INBOUND	CHT	20	30	A			A
		EU SHUTTLE OUTBOUND	CHT	12	30	A			A
		EU SHUTTLE INBOUND	CHT	12	30	A			A
		BCBS PARK RIDE OUTBOUND	CHT	15	30	A			A
		BCBS PARK RIDE INBOUND	CHT	15	30	A			A
		JONES FERRY PARK RIDE OUTBOUND	CHT	15	30	A			A
		JONES FERRY PARK RIDE INBOUND	CHT	15	30	A			A
		A ROUTE OUTBOUND	CHT	30	60	A			A
		A ROUTE INBOUND	CHT	30	60	A			A
		V ROUTE OUTBOUND	CHT	30	60	A			A
		V ROUTE INBOUND	CHT	30	60	A			A
5	111	MAIN&ROBERSON->ELLIOTT&US 15/501',	CHT			M	15	30	A
5	112	:ELLIOTT&US 15/501->MAIN&ROBERSON',	CHT			M	15	30	A
5	113	<i>Rename</i> - Weaver Dairy Road loop [CH6]	CHT			M	15	30	A
5	115	<i>Unknown</i> - S&COLUMBIA->LAUREL H&EPHESUS	CHT			M	15	30	A
5	116	<i>Unknown</i> - LAUREL H&EPHESUS CH->S&COLUM	CHT			M	15	30	A
5	117	<i>Rename</i> - Downtown Carrboro - UNC loop [CH12]	CHT			M	15	30	A
5	121	Ligget Myers->DENFIELD&ROXBR',	DATA	30	30	A	15	30	A
5	122	DENFIELD&ROXBR->Ligget Myers',	DATA	30	30	A	15	30	A
5	123	Liggett Myers->CARVER&FRONT',	DATA	30	30	A	15	30	A
5	124	CARVER&FRONT->Liggett Myers',	DATA	30	30	A	15	30	A
5	125	ALSTON STA->HOLDER&SHERRON	DATA	30	30	A	15	30	A
5	126	HOLDER&SHERRON->ALSTON STA	DATA	30	30	A	15	30	A
5	127	Ligget Myers->HOLOWAY/VILLAG',	DATA	30	30	A	15	30	A
5	128	HOLOWAY/VILLAG->Ligget Myers',	DATA	30	30	A	15	30	A
5	129	Ligget Myers->N.DUKE MALL	DATA	30	30	A	15	30	A
5	130	N.DUKE MALL->Liggett Myers	DATA	30	30	A	15	30	A
5	131	Ligget Myers->S.SQUARE MALL	DATA	30	30	A	15	30	A
5	132	S.SQUARE MALL->Ligget Myers	DATA	30	30	A	15	30	A
5	133	Ligg Myers->NEAL&MEADOWBROOK	DATA	30	30	A	15	30	A
5	134	:NEAL&MEADOWBROOK->Ligg Myers',	DATA	30	30	A	15	30	A
5	135	Liggett Myers->S.ROXBORO ST.',	DATA	30	30	A	15	30	A
5	136	S.ROXBORO ST.->Liggett Myers',	DATA	30	30	A	15	30	A
5	137	Ligget Myers->HOLMES REC.CTR',	DATA	30	30	A	15	30	A
5	138	HOLMES REC.CTR->Ligget Myers',	DATA	30	30	A	15	30	A
5	139	Liggett Myers->DURH.REG.HOSP',	DATA	30	30	A	15	30	A
5	140	DURH. REG.HOSP->Ligget Myers',	DATA	30	30	A	15	30	A
5	141	Ligget Myers->S.SQUARE MAL',	DATA	30	30	A	15	30	A
5	142	S.SQUARE MAL->Ligget Myers',	DATA	30	30	A	15	30	A
5	143	9TH ST(Buchanan)->DUKE/VA H',	DATA	30	30	A	15	30	A
5	144	DUKE/VA H->9TH ST(Buchanan)',	DATA	30	30	A	15	30	A
5	145	Liggett Myers->S.PARK STA	DATA	30	60	A	15	30	A

5	146	S.PARK STA->Liggett Myers'	DATA	30	60	A	15	30	A
5	147	NCCU->HOLLOWAY&LYNN'	DATA	30	60	A	15	30	A
5	148	HOLLOWAY&LYNN->NCCU	DATA	30	60	A	15	30	A
5	149	FAYTTVL&CORNWLLS->HW54&ALSTN'	DATA	30	60	A	15	30	A
5	150	HW54&ALSTN->FAYTTVL&CORNWLLS'	DATA	30	60	A	15	30	A
5	151	DA VINC&HINSN->HORTN&HLNDL'	DATA	30	30	A	15	30	A
5	152	HORTN&HLNDL->DA VINC&HINSN'	DATA	30	30	A	15	30	A
5	153	15/501&SCARLTT->ACADMY&PICKT'	DATA	30	30	A	15	30	A
5	154	ACADMY&PICKTT->15/501&SCARLT'	DATA	30	30	A	15	30	A
5	155	N.PARK->WAKE FORES&SHERRON'	DATA	30	30	A	15	30	A
5	156	WAKE FORES&SHERRON->N.PARK'	DATA	30	60	A	15	30	A
5	157	Ligget Myer->TOREDG&SNOWHL'	DATA	60	60	A	15	30	A
5	158	TOREDG&SNOWHL->Ligget Myer'	DATA	60	60	A	15	30	A
5	159	S.SQ.MALL->N.PARK	DATA	30	30	A	15	30	A
5	160	:N.PARK->S.SQ.MALL'	DATA	30	30	A	15	30	A
5	161	n dur exp>leggitt myers -501 snow hill	DATA			M	15	30	A
5	162	n dur exp>501 snow hill - liggett myers	DATA			M	15	30	A
5	163	:DA VINCI&HINSN->INFIN&ROXBR'	DATA	15		A	15	30	A
5	164	INFIN&ROXBR->DA VINCI&HINSN'	DATA	15		A	15	30	A
5	171	W.CAMPUS->E.CAMPUS	DUKE	5		A	5	5	A
5	172	E.CAMPUS->W.CAMPUS'	DUKE	5		A	5	5	A
5	173	DUKE E/CENT/W EB:W.->E.CAMPUS'	DUKE	10		A	10	10	A
5	174	T,ID='DUKE E/CENT/W WB:E.->W.CAMPUS	DUKE	10		A	10	10	A
5	175	DUKE SCIENCE DR LOOP:CLOCKWISE'	DUKE	15	30	A	15	15	A
5	176	DUKE SCIENCE DR LOOP:COUNTER-CLOCKWISE'	DUKE	15	30	A	15	15	A
5	177	DUKE MED.CTR.->GREYSTONE'	DUKE	15	30	A	15	15	A
5	178	GREYSTONE->DUKE MED.CTR.'	DUKE	15	30	A	15	15	A
5	181	T,ID='DUKE MED 3 WITH STOP NB:ENTRY 11->PG3	DUKE	15	30	A	15	15	A
5	182	PG3->ENTRY 11	DUKE	15	30	A	15	15	A
5	185	DUKE HOSP N.->ERWIN SQ	DUKE	15	30	A	15	15	A
5	186	ERWIN SQ->DUKE HOSP N.	DUKE	15	30	A	15	15	A
5	187	RT LOT->ENTR 11'	DUKE	15	30	A	15	15	A
5	188	ENTR 11->RT LOT'	DUKE	15	30	A	15	15	A
5	193	:E.CAMPUS->DUKE VILLA	DUKE	15	30	A	15	15	A
5	194	DUKE VILLA->E.CAMPUS	DUKE	15	30	A	15	15	A
5	195	ROXBR&LAWSN->ALSTN STA'	NCCU	15	30	A	15	15	A
5	196	ALSTN STA->ROXBR&LAWSN'	NCCU	15	30	A	15	15	A
5	197	CU CIRCULAR:FAYETTVILL:GEORG-MOLINE	NCCU	15	30	A	15	15	A
5	201	DUKE MED.CTR.->S.PARK	TTA	15	30	A	15	30	A
5	202	S.PARK->DUKE MED.CTR.	TTA	15	30	A	15	30	A
5	209	S.PK->SO-HI DR&ENFIELD DR'	TTA	15	30	A	15	30	A
5	210	SO-HI DR&ENFIELD DR->S.PK'	TTA	15	30	A	15	30	A
5	213	S.PARK->N.PARK'	TTA	15	30	A	15	30	A
5	214	N.PARK->S.PARK	TTA	15	30	A	15	30	A
5	215	MORRISVILLE->S.PARK'	TTA	15	30	A	15	30	A
5	216	S.PARK->MORRISVILLE'	TTA	15	30	A	15	30	A
5	217	MORRISVILLE->S.PARK	TTA	15	30	A	15	30	A
5	218	S.PARK->MORRISVILLE	TTA	15	30	A	15	30	A
5	221	MORRISVILLE->S.PARK	TTA	15	30	A	15	30	A
5	222	:S.PARK->MORRISVILLE	TTA	15	30	A	15	30	A

5	251	S.SQUARE-woodcroft	DATA	30	60	A	15	30	A
5	252	woodcroft-S.SQUARE	DATA	30	60	A	15	30	A
5	253	D-TOWN->NC98/MN SPR	DATA	30	60	A	15	30	A
5	254	NC98/MN SPR->D-TOWN	DATA	30	60	A	15	30	A
5	255	DATA 20 UNIV DR >RTP OB				M	10	15	A
5	256	DARA 20 RTP >UNIV DR IB				M	10	15	A
5	3	SPOINT->N-GATE	DATA	30	30	A	15	30	A
5	4	N-GATE->SPOINT	DATA	30	30	A	15	30	A
5	1	N-GATE->SPOINT????/	DATA	30	60	A	15	30	A
5	7	CARR N TRANSITION'	CHT			M	15	30	A
5	8	CARR N TRANSITION	CHT			M	15	30	A
5	17	I40/15501->FRANKLIN/UNC	CHT			M	15	30	A
5	18	FRANKLIN/UNC->I40/15501	CHT			M	15	30	A
5	19	Delete - Duplicate listing of route # 5-111&112 above	CHT			M	15	30	A
5	20	Delete - Duplicate listing of route # 7-35 & 36 below	CHT			M	15	30	A
5	33	HORAC WILLIAMS->UNC	CHT			M	15	30	A
5	34	:HORAC WILLIAMS->UNC	CHT			M	15	30	A
5	35	UNC->MASON FARM	CHT			M	15	30	A
5	36	MASON FARMUNC->UNC	CHT			M	15	30	A
7	41	SOUTHERN VILLAGE->UNC	CHT			M	15	30	A
7	42	SOUTHERN VILLAGE->UNC	CHT			M	15	30	A
7	43	MASON FARM-AIRPRT-HORAC WMS	CHT			M	15	30	A
7	44	HORAC WMS AIRPORT-MASON FAM	CHT			M	15	30	A
7	5	SPR F(At Spr)->WAKE F'	TTA	15	30	A	15	30	A
7	6	WAKE F->SPR F(At Spr)	TTA	15	30	A	15	30	A
7	9	Harrington Sta->CLAYTON	TTA	15	30	A	15	30	A
7	10	CLAYTON->HARRINGTON STA	TTA	15	30	A	15	30	A
7	13	:H->CH'	ORANGE	60	90	A	15	30	A
7	14	CH->H'	ORANGE	60	90	A	15	30	A
7	25	H->DUKE MED	TTA	30	60	A	15	30	A
7	26	DUKE MED->H	TTA	30	60	A	15	30	A
7	29	D-TWN->NIEHS/EPA	DATA	30	60	A	15	30	A
7	30	NIEHS/EPA->D-TOWN	DATA	30	60	A	15	30	A
7	31	UNC->HORAC WILLIAMS EXP	CHT			M	15	30	A
7	32	UNC->HORAC WILLIAMS EXP	CHT			M	15	30	A
7	33	SOUTH ORANGE EXPRESS	CHT			M	15	30	A
7	34	SOUTH ORANGE EXPRESS	CHT			M	15	30	A
7	37	UNC->HILLSBORO EXPRESS	CHT			M	15	30	A
7	38	UNC->HILLSBORO EXPRESS	CHT			M	15	30	A
7	39	:GOVERNOR PLACE EXPRESS	CHT			M	15	30	A
7	40	GOVERNOR PLACE EXPRESS changes in italics-->	CHT			M	15	30	A
8	1	DUKE HOSPITAL/VA STAT->SPRING FOREST STA'	TTA RAIL	15		A	15	30	A
8	2	SPRING FOREST STA->DUKE HOSPITAL/VA STAT'	TTA RAIL	15		A	15	30	A

Moderate Transit Revisions

Mode	Line	Revised Transit Alternatives	Revised Headway			Original hdway			
			CHANGES IN BOLD	a	p	Alt	am	pm	Alt
		NAME	Transit	m	m				
5	81	NORTH/SOUTH EXPRESS ob/NB	CHT	15	30	A	15	30	A
5	82	NORTH/SOUTH EXPRESS ib/SB'	CHT	15	30	A	15	30	A
5	85	C ROUTE OUTBOUND'	CHT	15	20	A	15	30	A
5	86	C ROUTE INBOUND	CHT	15	20	A	15	30	A
5	91	D ROUTE OUTBOUND	CHT	15	30	A	15	30	A
5	92	D ROUTE INBOUND	CHT	15	30	A	15	30	A
5	93	F ROUTE OUTBOUND	CHT	15	30	A	15	30	A
5	94	F ROUTE INBOUND	CHT	15	30	A	15	30	A
5	95	G ROUTE OUTBOUND	CHT	15	25	A	15	30	A
5	96	G ROUTE INBOUND	CHT	15	25	A	15	30	A
5	97	J ROUTE OUTBOUND'	CHT	15	30	A	15	30	A
5	98	J ROUTE INBOUND	CHT	15	30	A	15	30	A
5	99	N ROUTE OUTBOUND	CHT	15	30	A	15	30	A
5	100	N ROUTE INBOUND	CHT	15	30	A	15	30	A
5	101	<i>Rename</i> - Airport Road Express (NU Route) OB	CHT	15	30	A	15	30	A
5	102	<i>Rename</i> - Airport Road Express (NU Route) IB	CHT	15	30	A	15	30	A
5	103	S ROUTE OUTBOUND	CHT	10	15	A	15	30	A
5	104	S ROUTE INBOUND	CHT	10	15	A	15	30	A
5	105	T ROUTE OUTBOUND	CHT	15	30	A	15	30	A
5	106	T ROUTE INBOUND	CHT	15	30	A	15	30	A
5	107	U ROUTE OUTBOUND	CHT	12	30	A	12	15	A
5	108	U ROUTE INBOUND	CHT	12	30	A	12	15	A
		H EXPRESS OUTBOUND	CHT	15	30	A			A
		H EXPRESS INBOUND	CHT	15	30	A			A
		CARRBORO EXPRESS OUTBOUND	CHT	15	30	A			A
		CARRBORO EXPRESS INBOUND	CHT	15	30	A			A
		EU SHUTTLE OUTBOUND	CHT	12	30	A			A
		EU SHUTTLE INBOUND	CHT	12	30	A			A
		BCBS PARK RIDE OUTBOUND	CHT	15	30	A			A
		BCBS PARK RIDE INBOUND	CHT	15	30	A			A
		JONES FERRY PARK RIDE OUTBOUND	CHT	15	30	A			A
		JONES FERRY PARK RIDE INBOUND	CHT	15	30	A			A
		A ROUTE OUTBOUND	CHT	30	30	A			A
		A ROUTE INBOUND	CHT	30	30	A			A
		V ROUTE OUTBOUND	CHT	30	30	A			A
		V ROUTE INBOUND	CHT	30	30	A			A
5	111	MAIN&ROBERSON->ELLIOTT&US 15/501'	CHT	15	30	M	15	30	A
5	112	:ILLIOTT&US 15/501->MAIN&ROBERSON'	CHT	15	30	M	15	30	A
5	113	<i>Rename</i> - Weaver Dairy Road loop [CH6]	CHT	15	30	M	15	30	A
5	115	<i>Unknown</i> - :S&COLUMBIA->LAUREL H&EPHESUS	CHT	15	30	M	15	30	A
5	116	<i>Unknown</i> - LAUREL H&EPHESUS CH->S&COLUM	CHT	15	30	M	15	30	A
5	117	<i>Rename</i> - Downtown Carrboro - UNC loop [CH12]	CHT	10	30	M	15	30	A

5	121	Ligget Myers->DENFIELD&ROXBR',	DATA	15	30	A	15	30	A
5	122	DENFIELD&ROXBR->Ligget Myers',	DATA	15	30	A	15	30	A
5	123	Liggett Myers->CARVER&FRONT',	DATA	15	30	A	15	30	A
5	124	CARVER&FRONT->Liggett Myers',	DATA	15	30	A	15	30	A
5	125	ALSTON STA->HOLDER&SHERRON	DATA	15	30	A	15	30	A
5	126	HOLDER&SHERRON->ALSTON STA	DATA	15	30	A	15	30	A
5	127	Ligget Myers->HOLLOWAY/VILLAG',	DATA	15	30	A	15	30	A
5	128	HOLLOWAY/VILLAG->Ligget Myers',	DATA	15	30	A	15	30	A
5	129	Ligget Myers->N.DUKE MALL	DATA	15	30	A	15	30	A
5	130	N.DUKE MALL->Liggett Myers	DATA	15	30	A	15	30	A
5	131	Ligget Myers->S.SQUARE MALL	DATA	15	30	A	15	30	A
5	132	S.SQUARE MALL->Ligget Myers	DATA	15	30	A	15	30	A
5	133	Ligg Myers->NEAL&MEADOWBROOK	DATA	15	30	A	15	30	A
5	134	:NEAL&MEADOWBROOK->Ligg Myers',	DATA	15	30	A	15	30	A
5	135	Liggett Myers->S.ROXBORO ST.',	DATA	15	30	A	15	30	A
5	136	S.ROXBORO ST.->Liggett Myers',	DATA	15	30	A	15	30	A
5	137	Ligget Myers->HOLMES REC.CTR',	DATA	15	30	A	15	30	A
5	138	HOLMES REC.CTR->Ligget Myers',	DATA	15	30	A	15	30	A
5	139	Liggett Myers->DURH.REG.HOSP',	DATA	15	30	A	15	30	A
5	140	DURH. REG.HOSP->Ligget Myers',	DATA	15	30	A	15	30	A
5	141	Ligget Myers->S.SQUARE MAL',	DATA	15	30	A	15	30	A
5	142	S.SQUARE MAL->Ligget Myers',	DATA	15	30	A	15	30	A
5	143	9TH ST(Buchanan)->DUKE/VA H',	DATA	15	30	A	15	30	A
5	144	DUKE/VA H->9TH ST(Buchanan)',	DATA	15	30	A	15	30	A
5	145	Liggett Myers->S.PARK STA	DATA	15	30	A	15	30	A
5	146	S.PARK STA->Liggett Myers'	DATA	15	30	A	15	30	A
5	147	NCCU->HOLLOWAY&LYNN',	DATA	15	30	A	15	30	A
5	148	HOLLOWAY&LYNN->NCCU	DATA	15	30	A	15	30	A
5	149	FAYTTVL&CORNWLLS->HW54&ALSTN',	DATA	15	30	A	15	30	A
5	150	HW54&ALSTN->FAYTTVL&CORNWLLS',	DATA	15	30	A	15	30	A
5	151	DA VINC&HINSN->HORTN&HLNDL',	DATA	15	30	A	15	30	A
5	152	HORTN&HLNDL->DA VINC&HINSN',	DATA	15	30	A	15	30	A
5	153	15/501&SCARLTT->ACADMY&PICKT',	DATA	15	30	A	15	30	A
5	154	ACADMY&PICKTT->15/501&SCARLT',	DATA	15	30	A	15	30	A
5	155	N.PARK->WAKE FORES&SHERRON',	DATA	15	30	A	15	30	A
5	156	WAKE FORES&SHERRON->N.PARK',	DATA	15	30	A	15	30	A
5	157	Ligget Myer->TOREDG&SNOWHL',	DATA	15	30	A	15	30	A
5	158	TOREDG&SNOWHL->Ligget Myer',	DATA	15	30	A	15	30	A
5	159	S.SQ.MALL->N.PARK	DATA	15	30	A	15	30	A
5	160	:N.PARK->S.SQ.MALL'	DATA	15	30	A	15	30	A
5	161	n dur exp>leggitt myers -501 snow hill	DATA			M	15	30	A
5	162	n dur exp>501 snow hill - liggett myers	DATA			M	15	30	A
5	163	:DA VINCI&HINSN->INFIN&ROXBR',	DATA	15	30	A	15	30	A
5	164	INFIN&ROXBR->DA VINCI&HINSN',	DATA	15	30	A	15	30	A
5	171	W.CAMPUS->E.CAMPUS	DUKE	5	5	A	5	5	A
5	172	E.CAMPUS->W.CAMPUS'	DUKE	5	5	A	5	5	A
5	173	DUKE E/CENT/W EB:W.->E.CAMPUS'	DUKE	10	10	A	10	10	A
5	174	T,ID='DUKE E/CENT/W WB:E.->W.CAMPUS	DUKE	10	10	A	10	10	A
5	175	DUKE SCIENCE DR LOOP:CLOCKWISE',	DUKE	15	15	A	15	15	A
5	176	DUKE SCIENCE DR LOOP:COUNTER-CLOCKWISE',	DUKE	15	15	A	15	15	A

5	177	DUKE MED.CTR.->GREYSTONE',	DUKE	15	15	A	15	15	A
5	178	GREYSTONE->DUKE MED.CTR.',	DUKE	15	15	A	15	15	A
5	181	T, ID='DUKE MED 3 WITH STOP NB:ENTRY 11->PG3	DUKE	15	15	A	15	15	A
5	182	PG3->ENTRY 11	DUKE	15	15	A	15	15	A
5	185	DUKE HOSP N.->ERWIN SQ	DUKE	15	15	A	15	15	A
5	186	ERWIN SQ->DUKE HOSP N.	DUKE	15	15	A	15	15	A
5	187	RT LOT->ENTR 11',	DUKE	15	15	A	15	15	A
5	188	ENTR 11->RT LOT',	DUKE	15	15	A	15	15	A
5	193	:E.CAMPUS->DUKE VILLA	DUKE	15	15	A	15	15	A
5	194	DUKE VILLA->E.CAMPUS	DUKE	15	15	A	15	15	A
5	195	ROXBR&LAWSN->ALSTN STA',	NCCU	15	15	A	15	15	A
5	196	ALSTN STA->ROXBR&LAWSN',	NCCU	15	15	A	15	15	A
5	197	CU CIRCULAR:FAYETT VILL:GEORG-MOLINE	NCCU	15	15	A	15	15	A
5	201	DUKE MED.CTR.->S.PARK	TTA	15	30	A	15	30	A
5	202	S.PARK->DUKE MED.CTR.	TTA	15	30	A	15	30	A
5	209	S.PK->SO-HI DR&ENFIELD DR',	TTA	15	30	A	15	30	A
5	210	SO-HI DR&ENFIELD DR->S.PK',	TTA	15	30	A	15	30	A
5	213	S.PARK->N.PARK'	TTA	15	30	A	15	30	A
5	214	N.PARK->S.PARK	TTA	15	30	A	15	30	A
5	215	MORRISVILLE->S.PARK',	TTA	15	30	A	15	30	A
5	216	S.PARK->MORRISVILLE',	TTA	15	30	A	15	30	A
5	217	MORRISVILLE->S.PARK	TTA	15	30	A	15	30	A
5	218	S.PARK->MORRISVILLE	TTA	15	30	A	15	30	A
5	221	MORRISVILLE->S.PARK	TTA	15	30	A	15	30	A
5	222	:S.PARK->MORRISVILLE	TTA	15	30	A	15	30	A
5	251	S.SQUARE-woodcroft	DATA	15	30	A	15	30	A
5	252	woodcroft-S.SQUARE	DATA	15	30	A	15	30	A
5	253	D-TOWN->NC98/MN SPR	DATA	15	30	A	15	30	A
5	254	NC98/MN SPR->D-TOWN	DATA	15	30	A	15	30	A
5	255	DATA 20 UNIV DR >RTP OB				M	10	15	A
5	256	DARA 20 RTP >UNIV DR IB				M	10	15	A
5	3	SPOINT->N-GATE	DATA	15	30	A	15	30	A
5	1	N-GATE->SPOINT	DATA	15	30	A	15	30	A
5	4	N-GATE->SPOINT	DATA	30	30	A	15	30	A
5	7	CARR N TRANSITION'	CHT	15	30	M	15	30	A
5	8	CARR N TRANSITION	CHT	15	30	M	15	30	A
5	17	I40/15501->FRANKLIN/UNC	CHT	15	30	M	15	30	A
5	18	FRANKLIN/UNC->I40/15501	CHT	15	30	M	15	30	A
5	19	Delete - Duplicate listing of route # 5-111&112 above	CHT	15	30	M	15	30	A
5	20	Delete - Duplicate listing of route # 7-35 & 36 below	CHT	15	30	M	15	30	A
5	33	HORAC WILLIAMS->UNC	CHT	15	30	M	15	30	A
5	34	:HORAC WILLIAMS->UNC	CHT	15	30	M	15	30	A
5	35	UNC->MASON FARM	CHT	15	30	M	15	30	A
5	36	MASON FARMUNC->UNC	CHT	15	30	M	15	30	A
7	41	SOUTHERN VILLAGE->UNC	CHT	15	30	M	15	30	A
7	42	SOUTHERN VILLAGE->UNC	CHT	15	30	M	15	30	A
7	43	MASON FARM-AIRPRT-HORAC WMS	CHT	15	30	M	15	30	A
7	44	HORAC WMS AIRPORT-MASON FAM	CHT	15	30	M	15	30	A
7	5	SPR F(At Spr)->WAKE F'	TTA	15	30	A	15	30	A
7	6	WAKE F->SPR F(At Spr)	TTA	15	30	A	15	30	A

7	9	Harrington Sta->CLAYTON	TTA	15	30	A	15	30	A
7	10	CLAYTON->HARRINGTON STA	TTA	15	30	A	15	30	A
7	13	:H->CH'	ORANGE	15	30	A	15	30	A
7	14	CH->H'	ORANGE	15	30	A	15	30	A
7	25	H->DUKE MED	TTA	15	30	A	15	30	A
7	26	DUKE MED->H	TTA	15	30	A	15	30	A
7	29	D-TWN->NIEHS/EPA	DATA	15	30	A	15	30	A
7	30	NIEHS/EPA->D-TOWN	DATA	15	30	A	15	30	A
7	31	UNC->HORAC WILLIAMS EXP	CHT	15	30	M	15	30	A
7	32	UNC->HORAC WILLIAMS EXP	CHT	15	30	M	15	30	A
7	33	SOUTH ORANGE EXPRESS	CHT	15	30	M	15	30	A
7	34	SOUTH ORANGE EXPRESS	CHT	15	30	M	15	30	A
7	37	UNC->HILLSBORO EXPRESS	CHT	15	30	M	15	30	A
7	38	UNC->HILLSBORO EXPRESS	CHT	15	30	M	15	30	A
7	39	:GOVERNOR PLACE EXPRESS	CHT	15	30	M	15	30	A
7	40	GOVERNOR PLACE EXPRESS changes in italics-->	<i>CHT</i>	15	30	<i>M</i>	15	30	<i>A</i>
8	1	DUKE HOSPITAL/VA STAT->SPRING FOREST STA'	TTA RAIL	15	30	A	15	30	A
8	2	SPRING FOREST STA->DUKE HOSPITAL/VA STAT'	TTA RAIL	15	30	A	15	30	A
7	35	laurel hill loop-meadowmont IB'	CHT	15	30	M	15	30	M
7	36	meadowmont-laurel hill loop OB'	CHT	15	30	M	15	30	M
7	45	<i>Rename</i> - UNC-->H Williams-->Timberlyne, OB [CH7]	CHT	15	30	M	15	30	M
7	46	<i>Rename</i> - UNC-->H Williams-->Timberlyne, IB [CH7]	CHT	15	30	M	15	30	M
7	47	<i>Delete</i> - Duplicate listing of route # 6-3 below	CHT	15	30	M	15	30	M
7	48	<i>Delete</i> - Duplicate listing of route # 6-4 below	CHT	15	30	M	15	30	M
6	1	UNI DR->RTP	DATA	15	30	M	15	30	M
6	2	UNI DR->RTP	DATA	15	30	M	15	30	M
6	3	UNC->PITTSBORO	CHT	15	30	M	15	30	M
6	4	PITTSBORO->UNC	CHT	15	30	M	15	30	M
6	5	<i>Delete</i> - unc/nc54-friday ctr IB', same as S Route	CHT	15	30	M	15	30	M
6	6	<i>Delete</i> - friday ctr-unc/nc54 OB', same as S Route	CHT	15	30	M	15	30	M
6	7	54/farrton/barbee chapel loop',	CHT	15	30	M	15	30	M
6	8	<i>Rename</i> - MEADOWMONT --> 15-501 & UNIV MALL	CHT			I	15	30	M
6	9	<i>Rename</i> - 15-501 & UNIV MALL --> MEADOWMONT	CHT			I	15	30	M
6	10	<i>Delete</i> - Duplicate listing of route # 7-39 above	CHT			I	15	30	M
6	11	<i>Delete</i> - Duplicate listing of route # 7-40 above	CHT			I	15	30	M
6	12	<i>Unknown</i> - unc-jack bennett IB',	CHT			I	15	30	M
6	13	<i>Unknown</i> - jack bennett-unc OB',	CHT			I	15	30	M
6	14	'D7SP SOUTHPOINT MALL: OB	DATA	15		M	15	30	M
6	15	SPR SOUTHPOINT MALL: IB	DATA	15		M	15	30	M
6	16	DTT EPA local: OB	DATA	15		M	15	30	M
6	17	DTT EPA local: IB'	DATA	15		M	15	30	M
6	18	NCCU CAMPUS: LOOP	DATA	15		M	15	30	M
6	19	CENT MED PK WILLOWDALE: OB	DATA	15		M	15	30	M
6	20	CENT MED PK WILLOWDALE: IB	DATA	15		M	15	30	M
6	21	NC98 US70 SOUTH MIAMI: OB	DATA	15		M	15	30	M
6	22	NC98 US70 SOUTH MIAMI: IB	DATA	15		M	15	30	M
6	23	NORTHGATE RTP: INBOUND	DATA	15		M	15	30	M
6	24	NORTHGATE RTP: OUTBOUND	DATA	15		M	15	30	M
6	25	DUR REG HOSP DUKE MED CTR: OB'	DATA	15		M	15	30	M
6	26	DUR REG HOSP DUKE MED CTR: IB	DATA	15		M	15	30	M

6	27	Delete - Duplicate listing of Jones Ferry P&R Exp	CHT						
6	28	Delete - Duplicate listing of Jones Ferry P&R Exp	CHT						
6	29	Delete - Duplicate listing of BCBS Express	CHT						
6	30	Delete - Duplicate listing of BCBS Express	CHT						
6	31	DNTN DTECH SNOW OB	DATA	15		M	15	30	M
6	32	DNTN DTECH SNOW IB	DATA	15		M	15	30	M
6	33	NGATE RTP W OB	DATA	15		M	15	30	M
6	34	NGATE RTP W IB	DATA	15		M	15	30	M
6	35	NGATE RTP E OB	DATA	15		M	15	30	M
6	36	NGATE RTP E IB	DATA	15		M	15	30	M
6	37	DREGHOSP DUKE OB	DATA	15		M	15	30	M

Intensive Transit Revisions

Revised Chapel Hill Transit Alternatives			Revised Headway			Original headway			
Mode	Line	NAME	CHANGES IN BOLD	a	p	Alt	am	pm	Alt
			Transit	m	m				
5	81	NORTH/SOUTH EXPRESS ob/NB	CHT	7.5	15	A	15	30	A
5	82	NORTH/SOUTH EXPRESS ib/SB'	CHT	7.5	15	A	15	30	A
5	85	C ROUTE OUTBOUND'	CHT	7.5	15	A	15	30	A
5	86	C ROUTE INBOUND	CHT	7.5	15	A	15	30	A
5	91	D ROUTE OUTBOUND	CHT	7.5	15	A	15	30	A
5	92	D ROUTE INBOUND	CHT	7.5	15	A	15	30	A
5	93	F ROUTE OUTBOUND	CHT	7.5	15	A	15	30	A
5	94	F ROUTE INBOUND	CHT	7.5	15	A	15	30	A
5	95	G ROUTE OUTBOUND	CHT	7.5	15	A	15	30	A
5	96	G ROUTE INBOUND	CHT	7.5	15	A	15	30	A
5	97	J ROUTE OUTBOUND'	CHT	7.5	15	A	15	30	A
5	98	J ROUTE INBOUND	CHT	7.5	15	A	15	30	A
5	99	N ROUTE OUTBOUND	CHT	7.5	15	A	15	30	A
5	100	N ROUTE INBOUND	CHT	7.5	15	A	15	30	A
5	101	<i>Rename</i> - Airport Road Express (NU Route) OB	CHT	7.5	15	A	15	30	A
5	102	<i>Rename</i> - Airport Road Express (NU Route) IB	CHT	7.5	15	A	15	30	A
5	103	S ROUTE OUTBOUND	CHT	7.5	15	A	15	30	A
5	104	S ROUTE INBOUND	CHT	7.5	15	A	15	30	A
5	105	T ROUTE OUTBOUND	CHT	7.5	15	A	15	30	A
5	106	T ROUTE INBOUND	CHT	7.5	15	A	15	30	A
5	107	U ROUTE OUTBOUND	CHT	7.5	15	A	12	15	A
5	108	U ROUTE INBOUND	CHT	7.5	15	A	12	15	A
		H EXPRESS OUTBOUND	CHT	7.5	15	A			A
		H EXPRESS INBOUND	CHT	7.5	15	A			A
		CARRBORO EXPRESS OUTBOUND	CHT	7.5	15	A			A
		CARRBORO EXPRESS INBOUND	CHT	7.5	15	A			A
		EU SHUTTLE OUTBOUND	CHT	7.5	15	A			A
		EU SHUTTLE INBOUND	CHT	7.5	15	A			A

		BCBS PARK RIDE OUTBOUND	CHT	7.5	15	A			A
		BCBS PARK RIDE INBOUND	CHT	7.5	15	A			A
		JONES FERRY PARK RIDE OUTBOUND	CHT	7.5	15	A			A
		JONES FERRY PARK RIDE INBOUND	CHT	7.5	15	A			A
		A ROUTE OUTBOUND	CHT	7.5	15	A			A
		A ROUTE INBOUND	CHT	7.5	15	A			A
		V ROUTE OUTBOUND	CHT	7.5	15	A			A
		V ROUTE INBOUND	CHT	7.5	15	A			A
5	111	MAIN&ROBERSON->ELLIOTT&US 15/501'	CHT	7.5	15	M	15	30	A
5	112	:ELLIOTT&US 15/501->MAIN&ROBERSON'	CHT	7.5	15	M	15	30	A
5	113	Rename - Weaver Dairy Road loop [CH6]	CHT	7.5	15	M	15	30	A
5	115	Unknown - :S&COLUMBIA->LAUREL H&EPHESUS	CHT	7.5	15	M	15	30	A
5	116	Unknown - LAUREL H&EPHESUS CH->S&COLUM	CHT	7.5	15	M	15	30	A
5	117	Rename - Downtown Carrboro - UNC loop [CH12]	CHT	7.5	15	M	15	30	A
5	121	Ligget Myers->DENFIELD&ROXBR'	DATA	7.5	15	A	15	30	A
5	122	DENFIELD&ROXBR->Ligget Myers'	DATA	7.5	15	A	15	30	A
5	123	Liggett Myers->CARVER&FRONT'	DATA	7.5	15	A	15	30	A
5	124	CARVER&FRONT->Liggett Myers'	DATA	7.5	15	A	15	30	A
5	125	ALSTON STA->HOLDER&SHERRON	DATA	7.5	15	A	15	30	A
5	126	HOLDER&SHERRON->ALSTON STA	DATA	7.5	15	A	15	30	A
5	127	Ligget Myers->HOLOWAY/VILLAG'	DATA	7.5	15	A	15	30	A
5	128	HOLOWAY/VILLAG->Ligget Myers'	DATA	7.5	15	A	15	30	A
5	129	Ligget Myers->N.DUKE MALL	DATA	7.5	15	A	15	30	A
5	130	N.DUKE MALL->Liggett Myers	DATA	7.5	15	A	15	30	A
5	131	Ligget Myers->S.SQUARE MALL	DATA	7.5	15	A	15	30	A
5	132	S.SQUARE MALL->Ligget Myers	DATA	7.5	15	A	15	30	A
5	133	Ligg Myers->NEAL&MEADOWBROOK	DATA	7.5	15	A	15	30	A
5	134	:NEAL&MEADOWBROOK->Ligg Myers'	DATA	7.5	15	A	15	30	A
5	135	Liggett Myers->S.ROXBORO ST.'	DATA	7.5	15	A	15	30	A
5	136	S.ROXBORO ST.->Liggett Myers'	DATA	7.5	15	A	15	30	A
5	137	Ligget Myers->HOLMES REC.CTR'	DATA	7.5	15	A	15	30	A
5	138	HOLMES REC.CTR->Ligget Myers'	DATA	7.5	15	A	15	30	A
5	139	Liggett Myers->DURH.REG.HOSP'	DATA	7.5	15	A	15	30	A
5	140	DURH. REG.HOSP->Ligget Myers'	DATA	7.5	15	A	15	30	A
5	141	Ligget Myers->S.SQUARE MAL'	DATA	7.5	15	A	15	30	A
5	142	S.SQUARE MAL->Ligget Myers'	DATA	7.5	15	A	15	30	A
5	143	9TH ST(Buchanan)->DUKE/VA H'	DATA	7.5	15	A	15	30	A
5	144	DUKE/VA H->9TH ST(Buchanan)'	DATA	7.5	15	A	15	30	A
5	145	Liggett Myers->S.PARK STA	DATA	7.5	15	A	15	30	A
5	146	S.PARK STA->Liggett Myers'	DATA	7.5	15	A	15	30	A
5	147	NCCU->HOLLOWAY&LYNN'	DATA	7.5	15	A	15	30	A
5	148	HOLLOWAY&LYNN->NCCU	DATA	7.5	15	A	15	30	A
5	149	FAYTTVL&CORNWLLS->HW54&ALSTN'	DATA	7.5	15	A	15	30	A
5	150	HW54&ALSTN->FAYTTVL&CORNWLLS'	DATA	7.5	15	A	15	30	A
5	151	DA VINC&HINSN->HORTN&HLNDL'	DATA	7.5	15	A	15	30	A
5	152	HORTN&HLNDL->DA VINC&HINSN'	DATA	7.5	15	A	15	30	A
5	153	15/501&SCARLTT->ACADMY&PICKT'	DATA	7.5	15	A	15	30	A
5	154	ACADMY&PICKTT->15/501&SCARLT'	DATA	7.5	15	A	15	30	A
5	155	N.PARK->WAKE FORES&SHERRON'	DATA	7.5	15	A	15	30	A
5	156	WAKE FORES&SHERRON->N.PARK'	DATA	7.5	15	A	15	30	A

5	157	Ligget Myer->TOREDG&SNOWHL',	DATA	7.5	15	A	15	30	A
5	158	TOREDG&SNOWHL->Ligget Myer',	DATA	7.5	15	A	15	30	A
5	159	S.SQ.MALL->N.PARK	DATA	7.5	15	A	15	30	A
5	160	:N.PARK->S.SQ.MALL'	DATA	7.5	15	A	15	30	A
5	161	n dur exp>leggitt myers -501 snow hill	DATA			M	15	30	A
5	162	n dur exp>501 snow hill - liggett myers	DATA			M	15	30	A
5	163	:DA VINCI&HINSN->INFIN&ROXBR',	DATA	7.5	15	A	15	30	A
5	164	INFIN&ROXBR->DA VINCI&HINSN',	DATA	7.5	15	A	15	30	A
5	171	W.CAMPUS->E.CAMPUS	DUKE	7.5	15	A	5	5	A
5	172	E.CAMPUS->W.CAMPUS'	DUKE	7.5	15	A	5	5	A
5	173	DUKE E/CENT/W EB:W.->E.CAMPUS'	DUKE	7.5	15	A	10	10	A
5	174	T,ID='DUKE E/CENT/W WB:E.->W.CAMPUS	DUKE	7.5	15	A	10	10	A
5	175	DUKE SCIENCE DR LOOP:CLOCKWISE',	DUKE	7.5	15	A	15	15	A
5	176	DUKE SCIENCE DR LOOP:COUNTER-CLOCKWISE',	DUKE	7.5	15	A	15	15	A
5	177	DUKE MED.CTR.->GREYSTONE',	DUKE	7.5	15	A	15	15	A
5	178	GREYSTONE->DUKE MED.CTR.',	DUKE	7.5	15	A	15	15	A
5	181	T,ID='DUKE MED 3 WITH STOP NB:ENTRY 11->PG3	DUKE	7.5	15	A	15	15	A
5	182	PG3->ENTRY 11	DUKE	7.5	15	A	15	15	A
5	185	DUKE HOSP N.->ERWIN SQ	DUKE	7.5	15	A	15	15	A
5	186	ERWIN SQ->DUKE HOSP N.	DUKE	7.5	15	A	15	15	A
5	187	RT LOT->ENTR 11',	DUKE	7.5	15	A	15	15	A
5	188	ENTR 11->RT LOT',	DUKE	7.5	15	A	15	15	A
5	193	:E.CAMPUS->DUKE VILLA	DUKE	7.5	15	A	15	15	A
5	194	DUKE VILLA->E.CAMPUS	DUKE	7.5	15	A	15	15	A
5	195	ROXBR&LAWSN->ALSTN STA',	NCCU	7.5	15	A	15	15	A
5	196	ALSTN STA->ROXBR&LAWSN',	NCCU	7.5	15	A	15	15	A
5	197	CU CIRCULAR:FAYETTVILL:GEORG-MOLINE	NCCU	7.5	15	A	15	15	A
5	201	DUKE MED.CTR.->S.PARK	TTA	7.5	15	A	15	30	A
5	202	S.PARK->DUKE MED.CTR.	TTA	7.5	15	A	15	30	A
5	209	S.PK->SO-HI DR&ENFIELD DR',	TTA	7.5	15	A	15	30	A
5	210	SO-HI DR&ENFIELD DR->S.PK',	TTA	7.5	15	A	15	30	A
5	213	S.PARK->N.PARK'	TTA	7.5	15	A	15	30	A
5	214	N.PARK->S.PARK	TTA	7.5	15	A	15	30	A
5	215	MORRISVILLE->S.PARK',	TTA	7.5	15	A	15	30	A
5	216	S.PARK->MORRISVILLE',	TTA	7.5	15	A	15	30	A
5	217	MORRISVILLE->S.PARK	TTA	7.5	15	A	15	30	A
5	218	S.PARK->MORRISVILLE	TTA	7.5	15	A	15	30	A
5	221	MORRISVILLE->S.PARK	TTA	7.5	15	A	15	30	A
5	222	:S.PARK->MORRISVILLE	TTA	7.5	15	A	15	30	A
5	251	S.SQUARE-woodcroft	DATA	7.5	15	A	15	30	A
5	252	woodcroft-S.SQUARE	DATA	7.5	15	A	15	30	A
5	253	D-TOWN->NC98/MN SPR	DATA	7.5	15	A	15	30	A
5	254	NC98/MN SPR->D-TOWN	DATA	7.5	15	A	15	30	A
5	255	DATA 20 UNIV DR >RTP OB				M	10	15	A
5	256	DARA 20 RTP >UNIV DR IB				M	10	15	A
5	3	SPOINT->N-GATE	DATA	7.5	15	A	15	30	A
5	4	N-GATE->SPOINT	DATA	30	30	A	15	30	A
5	1	N-GATE->SPOINT	DATA	7.5	15	A	15	30	A
5	7	CARR N TRANSITION'	CHT	7.5	15	M	15	30	A
5	8	CARR N TRANSITION	CHT	7.5	15	M	15	30	A

5	17	I40/15501->FRANKLIN/UNC	CHT	7.5	15	M	15	30	A
5	18	FRANKLIN/UNC->I40/15501	CHT	7.5	15	M	15	30	A
5	19	Delete - Duplicate listing of route # 5-111&112 above	CHT	7.5	15	M	15	30	A
5	20	Delete - Duplicate listing of route # 7-35 & 36 below	CHT	7.5	15	M	15	30	A
5	33	HORAC WILLIAMS->UNC	CHT	7.5	15	M	15	30	A
5	34	:HORAC WILLIAMS->UNC	CHT	7.5	15	M	15	30	A
5	35	UNC->MASON FARM	CHT	7.5	15	M	15	30	A
5	36	MASON FARMUNC->UNC	CHT	7.5	15	M	15	30	A
7	41	SOUTHERN VILLAGE->UNC	CHT	7.5	15	M	15	30	A
7	42	SOUTHERN VILLAGE->UNC	CHT	7.5	15	M	15	30	A
7	43	MASON FARM-AIRPRT-HORAC WMS	CHT	7.5	15	M	15	30	A
7	44	HORAC WMS AIRPORT-MASON FAM	CHT	7.5	15	M	15	30	A
7	5	SPR F(At Spr)->WAKE F'	TTA	7.5	15	A	15	30	A
7	6	WAKE F->SPR F(At Spr)	TTA	7.5	15	A	15	30	A
7	9	Harrington Sta->CLAYTON	TTA	7.5	15	A	15	30	A
7	10	CLAYTON->HARRINGTON STA	TTA	7.5	15	A	15	30	A
7	13	:H->CH'	ORANGE	7.5	15	A	15	30	A
7	14	CH->H'	ORANGE	7.5	15	A	15	30	A
7	25	H->DUKE MED	TTA	7.5	15	A	15	30	A
7	26	DUKE MED->H	TTA	7.5	15	A	15	30	A
7	29	D-TWN->NIEHS/EPA	DATA	7.5	15	A	15	30	A
7	30	NIEHS/EPA->D-TOWN	DATA	7.5	15	A	15	30	A
7	31	UNC->HORAC WILLIAMS EXP	CHT	7.5	15	M	15	30	A
7	32	UNC->HORAC WILLIAMS EXP	CHT	7.5	15	M	15	30	A
7	33	SOUTH ORANGE EXPRESS	CHT	7.5	15	M	15	30	A
7	34	SOUTH ORANGE EXPRESS	CHT	7.5	15	M	15	30	A
7	37	UNC->HILLSBORO EXPRESS	CHT	7.5	15	M	15	30	A
7	38	UNC->HILLSBORO EXPRESS	CHT	7.5	15	M	15	30	A
7	39	:GOVERNOR PLACE EXPRESS	CHT	7.5	15	M	15	30	A
7	40	GOVERNOR PLACE EXPRESS changes in italics-->	CHT	7.5	15	M	15	30	A
8	1	DUKE HOSPITAL/VA STAT->SPRING FOREST STA'	TTA RAIL	7.5	15	A	15	30	A
8	2	SPRING FOREST STA->DUKE HOSPITAL/VA STAT'	TTA RAIL	7.5	15	A	15	30	A
7	35	laurel hill loop-meadowmont IB'	CHT	7.5	15	M	15	30	M
7	36	meadowmont-laurel hill loop OB'	CHT	7.5	15	M	15	30	M
7	45	Rename - UNC-->H Williams-->Timberlyne, OB [CH7]	CHT	7.5	15	M	15	30	M
7	46	Rename - UNC-->H Williams-->Timberlyne, IB [CH7]	CHT	7.5	15	M	15	30	M
7	47	Delete - Duplicate listing of route # 6-3 below	CHT	7.5	15	M	15	30	M
7	48	Delete - Duplicate listing of route # 6-4 below	CHT	7.5	15	M	15	30	M
6	1	UNI DR->RTP	DATA	7.5	15	M	15	30	M
6	2	UNI DR->RTP	DATA	7.5	15	M	15	30	M
6	3	UNC->PITTSBORO	CHT	7.5	15	M	15	30	M
6	4	PITTSBORO->UNC	CHT	7.5	15	M	15	30	M
6	5	Delete - unc/nc54-friday ctr IB', same as S Route	CHT	7.5	15	M	15	30	M
6	6	Delete - friday ctr-unc/nc54 OB', same as S Route	CHT	7.5	15	M	15	30	M
6	7	54/farrton/barbee chapel loop'	CHT	7.5	15	M	15	30	M
6	8	Rename - MEADOWMONT --> 15-501 & UNIV MALL	CHT	7.5	15	I	15	30	M
6	9	Rename - 15-501 & UNIV MALL --> MEADOWMONT	CHT	7.5	15	I	15	30	M
6	10	Delete - Duplicate listing of route # 7-39 above	CHT	7.5	15	I	15	30	M
6	11	Delete - Duplicate listing of route # 7-40 above	CHT	7.5	15	I	15	30	M
6	12	Unknown - unc-jack bennett IB'	CHT	7.5	15	I	15	30	M

6	13	Unknown - jack bennett-unc OB'	CHT	7.5	15	I	15	30	M
6	14	'D7SP SOUTHPOINT MALL: OB	DATA	7.5	15	M	15	30	M
6	15	SPR SOUTHPOINT MALL: IB	DATA	7.5	15	M	15	30	M
6	16	DTT EPA local: OB	DATA	7.5	15	M	15	30	M
6	17	DTT EPA local: IB'	DATA	7.5	15	M	15	30	M
6	18	NCCU CAMPUS: LOOP	DATA	7.5	15	M	15	30	M
6	19	CENT MED PK WILLOWDALE: OB	DATA	7.5	15	M	15	30	M
6	20	CENT MED PK WILLOWDALE: IB	DATA	7.5	15	M	15	30	M
6	21	NC98 US70 SOUTH MIAMI: OB	DATA	7.5	15	M	15	30	M
6	22	NC98 US70 SOUTH MIAMI: IB	DATA	7.5	15	M	15	30	M
6	23	NORTHGATE RTP: INBOUND	DATA	7.5	15	M	15	30	M
6	24	NORTHGATE RTP: OUTBOUND	DATA	7.5	15	M	15	30	M
6	25	DUR REG HOSP DUKE MED CTR: OB'	DATA	7.5	15	M	15	30	M
6	26	DUR REG HOSP DUKE MED CTR: IB	DATA	7.5	15	M	15	30	M
6	27	Delete - Duplicate listing of Jones Ferry P&R Exp	CHT	7.5	15				
6	28	Delete - Duplicate listing of Jones Ferry P&R Exp	CHT	7.5	15				
6	29	Delete - Duplicate listing of BCBS Express	CHT	7.5	15				
6	30	Delete - Duplicate listing of BCBS Express	CHT	7.5	15				
6	31	DNTN DTECH SNOW OB	DATA	7.5	15	M	15	30	M
6	32	DNTN DTECH SNOW IB	DATA	7.5	15	M	15	30	M
6	33	NGATE RTP W OB	DATA	7.5	15	M	15	30	M
6	34	NGATE RTP W IB	DATA	7.5	15	M	15	30	M
6	35	NGATE RTP E OB	DATA	7.5	15	M	15	30	M
6	36	NGATE RTP E IB	DATA	7.5	15	M	15	30	M
6	37	DREGHOSP DUKE OB	DATA	7.5	15	M	15	30	M
6	38	DREGHOSP DUKE IB	DATA	7.5	15	I	15	30	I
7	49	GREEN LINE EXP OB	TTA	7.5	15	I	15	30	I
7	50	GREEN LINE EXP IB	TTA	7.5	15	I	15	30	I
7	51	HILLS-DURHAM EXP OB	TTA	7.5	15	I	15	30	I
7	52	HILLS-DURHAM EXP IB	TTA	7.5	15	I	15	30	I
7	53	DURHAM CH EXP OB	TTA	7.5	15	I	15	30	I
7	54	DURHAM CH EXP IB	TTA	7.5	15	I	15	30	I
7	55	CHAP HILL-RTP EXP OB	TTA	7.5	15	I	15	30	I
7	56	CHAP HILL-RTP EXP IB	TTA	7.5	15	I	15	30	I
7	57	N. CHAP HILL-RTP EXP OB	TTA	7.5	15	I	15	30	I
7	58	N. CHAP HILL-RTP EXP IB	TTA	7.5	15	I	15	30	I
7	59	TREYBURN EXP OB	TTA	7.5	15	I	15	30	I
7	60	TREYBURN EXP IB	TTA	7.5	15	I	15	30	I
7	61	DUKE-S.PARK STAT EXP OB	TTA	7.5	15	I	15	30	I
7	62	DUKE-S.PARK STAT EXP IB	TTA	7.5	15	I	15	30	I
7	63	DNTN DUR-STALLNGS EXP OB	TTA	7.5	15	I	15	30	I
7	64	DNTN DUR-STALLNGS EXP IB	TTA	7.5	15	I	15	30	I
7	65	N GATE-S POINT EXP OB	TTA	7.5	15	I	15	30	I
7	66	N GATE-S POINT EXP IB	TTA	7.5	15	I	15	30	I
8	3	9th ST-> UNC HOSP	RAIL-P2	7.5	15	I	15	30	I
8	4	Angier Spur-> Treyburn	RAIL	7.5	15	I	15	30	I
8	5	DTwn Durham-> APEX	RAIL	7.5	15	I	15	30	I
8	6	DTwn Durham-> Hillsborough	RAIL	7.5	15	I	15	30	I
8	7	Chapel Hill-> Hillsborough	RAIL	7.5	15	I	15	30	I
8	8	UNC->NC54/RTP/RDU	RAIL	7.5	15	I	15	30	I

8	9	RDU->ENO DR/N Durham	Bway	7.5	15		15	30	
8	10	NC 147->RTP	Bway	7.5	15		15	30	
6	39	DATA:feeder16 Treyburn Station, loop',	DATA	7.5	15		15	30	
6	40	Eno DR. Station, OB',	DATA	7.5	15		15	30	
6	41	Eno DR. Station, IB',	DATA	7.5	15		15	30	
6	42	Eno Station, Loop',	DATA	7.5	15		15	30	
6	43	DurRegHosp-Main,OB',	DATA	7.5	15		15	30	
6	44	Main St-Dur Reg Hosp,IB',	DATA	7.5	15		15	30	
6	45	Orangefactoryrd-term1 OB',	DATA	7.5	15		15	30	
6	46	Orangefactoryrd-term1 IB',	DATA	7.5	15		15	30	
6	47	dur reghosp OB',	DATA	7.5	15		15	30	
6	48	dur reghosp IB',	DATA	7.5	15		15	30	
6	49	S SQUARE STA Shuttle OB',	DATA	7.5	15		15	30	
6	50	S SQUARE STA Shuttle IB',	DATA	7.5	15		15	30	
6	51	S SQUARE Feeder OB',	DATA	7.5	15		15	30	
6	52	S SQUARE Feeder IB',	DATA	7.5	15		15	30	
6	53	Dtwn Terminal Feeder OB',	DATA	7.5	15		15	30	
6	54	Dtwn Terminal Feeder IB',	DATA	7.5	15		15	30	
6	55	Dtwn Terminal Shuttle OB',	DATA	7.5	15		15	30	
6	56	Dtwn Terminal Shuttle IB',	DATA	7.5	15		15	30	
6	57	Joyner/Club/Duke OB'	DATA	7.5	15		15	30	
6	58	Joyner/Club/Duke IB	DATA	7.5	15		15	30	
6	59	Meridian Pkway feeder OB'	DATA	7.5	15		15	30	
6	60	Meridian Pkway feeder IB	DATA	7.5	15		15	30	
6	61	Woodcroft ShopCtr feeder OB,	DATA	7.5	15		15	30	
6	62	Woodcroft ShopCtr feeder IB	DATA	7.5	15		15	30	
6	63	Riddle Sta feeder OB	DATA	7.5	15		15	30	
6	64	Riddle Sta feeder IB	DATA	7.5	15		15	30	
				7.5	15		15	30	

Non-Motorized Transportation Assumptions (Bike/PED)

The assumptions for non-motorized transportation reflect a diversion of non-motorized trips in the model, based on an activity density formula. All existing facilities are reflected in the base. In addition, bicycle projects have been assumed for which there is funding or anticipated future funding. The non-motorized trip diversion is based on activity density of 2000 or more. The activity density formula is shown below:

$$\left[\{ \text{Households} + (C * Gq) + (R * \text{Emp}) \} / \text{Area in sq. miles} \right]$$

- Gq = Group Quarters (university beds)
- C = Ratio of group quarters to population
- Emp = Total Employment in the zone
- R = Ratio of regional household to employment

Chatham County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
1 US 15-501	4' shoulders	Pittsboro Bypass to Orange Co. Line	R-942

Durham County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
2 Old Durham-Chapel Hill Rd	bike lanes	Orange Co. Line to University Drive	STP DA
3 American Tobacco Trail (ATT) Phase A	bike trail	Willard St. to Otis St.	E-2921
4 ATT Phase B	bike trail	Otis St. toward Cornwallis Rd.	E-2921
5 ATT Phase C	bike trail	Cornwallis Rd. to NC 54	E-2921
6 ATT Phase D	bike trail	Cornwallis Rd. east to near Briggs Ave.	E-2921
7 ATT Phase E	bike trail	NC 54 to South Point Pwky	E-2921
8 Cornwallis Rd.	bike lanes	Chapel Hill Rd. to S. Roxboro St.	STP DA
9 Guess Rd.	wide outside lanes	Carver St. to Umstead Rd.	U-2102
10 Alexander Dr.	wide outside lanes	Cornwallis Rd. to Miami Blvd.	U-3309
11 NC 55	wide outside lanes	NC 64 in Wake Co. to Cornwallis Rd. in Durham Co.	R-2906
12 Martin Luther King Pkwy	bike lanes	US 15-501 to NC 55	CIP/Bond

Orange County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
13 US 15-501	bike lanes	Chatham Co. Line to Chapel Hill Bypass	R-942
14 NC 54	bike lanes	Burning Tree Dr. to Barbee Chapel Rd.	Private
15 Old NC 86	bike lanes	I-40 to Oakdale dr. in Hillsborough	
16 Western Bypass	bike lanes	NC 86 to NC 57	
17 Old Durham-Chapel Hill Rd.	bike lanes	US 15-501 to Durham Co. Line	STP DA
18 South Columbia St.	bike lanes	US 15-501 to Manning Dr.	U-624
19 Hillsborough Rd.	bike lanes	Lorraine St. to Old Fayetteville Rd. and along Old Fayetteville Rd. to NC 54	U-3100
20 Weaver Dairy Rd.	bike lanes	NC 86 to Erwin Road	U-3306
21 Homestead Rd.	bike lanes	NC 86 to High School Rd.	U-2805
22 Smith Level Rd.	wide paved shoulders	Rock Haven Rd to NC 54 Bypass	U-2803
23 Booker Creek	bike path	Tadley Dr. to Franklin St.	E-3807

Moderate Bike

This bicycle alternative reflects the current trend in the funding and construction of bicycle facilities. The projects in this layer have been identified by local staff, the Durham Open Space & Trails Bicycle Committee, and by the general public.

Chatham County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
1 NC 751	bike lanes		
2 American Tobacco Tr.	bike path		
3 Farrington Rd.	bike lanes	Mt. Carmel Church Rd. to Farrington Mill Rd.	

Durham County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
4 NC 54	bike lanes	Orange Co. Line to the Wake Co. Line	
5 NC 751	bike lanes	Chatham Co. Line to Cornwallis Rd.	
6 Cornwallis Rd.	bike lanes	Orange Co. Line to Miami Blvd.	
7 Chapel Hill Rd.	bike lanes	University Dr. via Anderson and Broad to Broad St. at Carver St.	
8 Rose of Sharon Rd.	bike lanes	Cole Mill Rd. via Carver St. to Old Oxford Rd. at Hamlin Rd.	
9 Cole Mill Rd.	bike lanes	Hillsborough Rd. to the Orange Co. Line	
10 Holloway St.	bike lanes	Roxboro St. to the Wake Co. Line	
11 Pettigrew St. and Blackwell St.	bike lanes	S. Briggs Ave. and Riddle Rd. to S. Alston Ave. at Alexander Dr.	
12 Pope Rd.	bike lanes	Ephesus Church Rd. at the Orange Co. Line to Old Durham-Chapel Hill Rd.	
13 Garrett Rd.	bike lanes	NC 751 to Old Durham-Chapel Hill Rd.	
14 Leon St.	bike lanes	Broad St. via Glendale Ave. and Washington St. to Foster St. and Chapel Hill St.	
15 Alston Ave. Ext.	bike lanes	Holloway St. to Old Oxford Rd./Roxboro St.	
16 Woodcroft Pkwy	bike lanes	Barbee Rd. to Carpenter Fletcher Rd.	
17 Davis Dr.	wide outside lanes	Wake Co. Line to I-40	
18 Hillandale Rd.	wide outside lanes	I-85 to Carver St.	
19 Umstead Rd.	bike lanes	Cole Mill Rd. to Guess Rd.	

Orange County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
19 NC 86	4' paved shoulders	I-40 to US 70 Business	
20 Old NC 10	4' paved shoulders	NC 86 to US 70	
21 Old NC 86	bike lanes	Old Fayetteville Rd. to Eubanks Rd.	
22 Old NC 86	wide outside lanes	Oakdale Dr. to US 70 Business	
23 Elizabeth Brady Rd.	bike lanes	US 70 Business to St. Mary's Rd.	
24 Western Bypass	wide outside lanes	US 70 Bypass to NC 57	
25 New Hope Church Rd.	4' paved shoulders	NC 86 to Old NC 10	
26 Eubanks Rd.	bike lanes	Old NC 86 to NC 86	
27 Estes Dr.	bike lanes	US 15-501 to Greensboro St.	
28 Erwin Rd	bike lanes	Weaver Dairy Rd. to Cornwallis Rd.	
29 New Facility	bike lanes	Seawell School Rd. to Homestead Rd.	
30 Rogers Rd.	bike lanes	Homestead Rd. to Eubanks Rd.	
31 Smith Level Rd.	4' paved shoulders	Morgan Creek Bridge to Rock Haven Rd.	
32 Mt. Carmel Church Rd.	bike lanes	Chatham Co. Line to Pittsboro Rd.	
33 Manning Dr.	bike lanes	NC 54 Bypass to S. Columbia St.	
34 Raleigh Rd.	bike lanes	S. Columbia St. to Burning Tree Rd.	
35 Ephesus Church Rd.	bike lanes	US 15-501 to Farrington Rd.	
36 Weaver Dairy Rd Ext.	bike lanes	Horace Williams property to NC 86	
37 Culbreth Rd.	bike lanes	Smith Level Rd. to US 15-501 South	

Regional Bicycle Plan (Intensive Bike)

This alternative reevaluates the 1993 DCHC Regional Bicycle Plan. Please refer to the Plan document for the project descriptions. The Regional Bike Plan did not specify the design concept and scope. For purposes of this alternative, the routes will be modeled as 4 ft. bike lanes.

Chatham County

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
NONE			

Durham County (Urban Routes in City of Durham)

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
1 Alexander Dr.	Bicycle Lane	T.W. Alexander Dr. from NC 54 to S. Miami Blvd.	
2 Alston Ave.	Bicycle Lane	Includes the proposed Alston Ave. extension from Holloway St. to Roxboro Rd. and Old Oxford Highway, and the existing Alston Ave. from the Holloway St. to the Durham Co. Line.	
3 American Tobacco Trail	Bicycle Lane	The American Tobacco Trail is a proposed off road bicycle trail that will be constructed along the abandoned Norfolk Southern Railroad corridor from its terminus in downtown Durham (at the proposed new Durham Bulls Ballpark) to the Chatham County Line.	
4 Angier Ave.	Bicycle Lane	Angier Ave. from Lynn Rd. Extension to S. Miami Blvd.	
5 Barbee Chapel Rd.	Bicycle Lane	Barbee Chapel Rd. from NC 54 to Stagecoach Rd.	
6 Broad/Sunset/ Maryland St.	Bicycle Lane	Broad St. from Carver St., connecting with Sunset Ave. near Guess Rd. intersection, connecting to Club Blvd. via Maryland Ave.	
7 Campus Dr.	Bicycle Lane	Campus Dr. from Academy Rd. to Duke University East Campus.	
8 Carver St.	Bicycle Lane	Carver St. from Cole Mill Rd. and Rose of Sharon Rd. to Old Oxford Rd. This route should include bicycle improvements to short segment of Rose of Sharon Rd linking Carver St. and Cole Mill Rd.	
9 Club Blvd./E. Greer/ Ferrel Road	Bicycle Lane	Traveling west to east, this route will follow Club Blvd. From Hillandale Rd. to East Greer St., Ferrel Rd. connection back to East Greer St., and then travel on East Greer St. ending at Red Mill Rd. (connection to county bicycle route).	
10 Cole Mill Rd.	Bicycle Lane	Cole Mill Road from Eno River State Park to Hillsborough Road (Bus. US 70).	
11 Cornwallis Rd.	Bicycle Lane	Cornwallis Rd. from Pickett Road to S. Miami Blvd. In Research Triangle Park.	
12 Davis Dr.	Bicycle Lane	Davis Dr. from Cornwallis Rd. to Hopson Rd.	
13 Downtown Durham Routes	Bicycle Lane	W. Main St. from Hillsborough Rd. to the Downtown Loop, the Downtown Loop in its entirety, and east E. Main St. from the Down town Loop to Alston Ave.	
14 Downtown Route to East Durham	Bicycle Lane	Traveling west to east, this route will follow Liberty St. From the downtown loop to Herbert St., Herbert St. From Liberty St. to Holloway St. to Junction Rd., Junction Rd. to Ross Rd., to Chandler Rd., north on	

15	Durham Inner Route (proposed)	Bicycle Lane	Clayton Rd. to Freeman Rd., ending at Eno Drive. (On road improvements are not recommended for non thoroughfare residential streets along this route.) Includes Cornwallis Rd.-Riddle Rd. Connector (proposed), Riddle Rd., Glover Rd., Lynn Road connector (proposed), Lynn Road, Midland Terrace and Midland Terrace Extension (proposed).
16	Eno Drive (Proposed)	Bicycle Lane	Eno Drive from US 70 Business (west Durham) to US 70 at the Wake Co. Line (east Durham).
17	Erwin Rd. - to Chapel Hill	Bicycle Lane	Erwin Rd. from NC 751 to the Orange Co. Line.
18	Erwin Rd. - Duke Campus Segment	Bicycle Lane	Erwin Rd. from Ninth St. to NC 751 (Cameron Blvd.)
19	Fayetteville St.	Bicycle Lane	Fayetteville St. from Cornwallis Rd. to Main St.
20	Fulton St. / Hillandale Rd.	Bicycle Lane	Hillandale Rd. from Carver St. to Hillsborough Rd., Fulton St. from Hillsborough Rd. to Erwin Rd.
21	Guess Rd.	Bicycle Lane	Guess Rd. from Latta Rd. to Carver St.
22	Guthrie Ave./ Briggs Ave.	Bicycle Lane	Guthrie Ave. from Liberty St. to Angier Ave., and Briggs Ave. from Angier Ave. to So-Hi Dr. (joins Ed Cook Alignment). This connector route should include bicycle improvements to short route segment on Angier Ave. between Guthrie Ave. and Briggs Ave.
23	Hillsborough Rd.	Bicycle Lane	Hillsborough Rd. from Cole Mill Rd. to W. Main St.
24	Hopson Rd.	Bicycle Lane	Hopson Rd. from NC 751 to NC 54 (includes proposed extensions of Hopson Rd).
25	Latta Rd.	Bicycle Lane	Latta Road from Guess Road to Roxboro Road.
26	SW Durham Dr.. / Farrington Rd	Bicycle Lane	Proposed Laurel Dr. from NC 54 to Farrington Rd., and Farrington Rd. to Durham-Chapel Hill Rd.
27	Lumley Rd.	Bicycle Lane	Lumley Rd. from S. Miami Blvd. to the Wake Co. Line.
28	Martin Luther King , Jr. Pkwy (proposed)	Bicycle Lane	proposed Martin Luther King, Jr. Pkwy from University Dr. to Cornwallis Rd.
29	Massey Chapel Rd / Barbee Rd	Bicycle Lane	Massey Chapel Rd from NC 751 to Fayetteville Rd., and Barbee Rd. from Fayetteville Rd. to Woodcroft Pkwy.
30	Mineral Springs Rd./ Sherron Rd.	Bicycle Lane	Mineral Springs Rd. from Miami Blvd. to Sherron Rd., and Sherron Rd. from Minerals Springs Rd. to Eno Dr.
31	Morris St./ Washington St./ Leon St.	Bicycle Lane	The route includes Morris Street from the Downtown Loop to Washington Street, following Washington Street to Leon Avenue, following Leon Avenue to Broad St..
32	Ninth St. (Bus. US 70)	Bicycle Lane	Ninth St. from Club Blvd. to Main St.
33	NC 54	Bicycle Lane	NC 54 from Greenwood Rd. in Chapel Hill to Page Rd. interchange (east of Research Triangle Park).
34	NC 751: US 70 to University Dr.	Bicycle Lane	NC 751 from the US 70 (Hillsborough Rd.) to University Dr. Includes Cameron Blvd. and Academy Rd.
35	NC 751: Hope Valley Rd.	Bicycle Lane	Hope Valley Rd. from University Dr. to NC 54.
36	NC 751: NC 54 to Chatham Co. Line	Bicycle Lane	NC 751 from NC 54 to Chatham Co. Line.
37	Old Oxford Hwy	Bicycle Lane	Old Oxford Hwy from Roxboro St. to Eno Dr.
38	Pickett Rd.	Bicycle Lane	Pickett Rd. from Erwin Rd. to Cornwallis Dr.
39	Roxboro Rd. (US 501)	Bicycle Lane	Short segment of Roxboro Rd. from Old Oxford Rd. to Carver St.
40	Stadium Dr./ Olympic Ave.	Bicycle Lane	Stadium Dr. from Eno Drive to Olympic Ave., and Olympic Ave. to Roxboro St.

41	Stagecoach Rd.	Bicycle Lane	Stagecoach Rd. from Farrington Rd. to NC 751.
42	So-Hi / Ellis / NE Pkwy	Bicycle Lane	Traveling east to west, this route will follow Ellis Rd. from S. Miami Blvd. to So-Hi Dr., then follow So-Hi Dr. to the proposed North-East Creek Pkwy, and follow N-East Creek Pkwy to Cornwallis Rd.
43	S. Miami Blvd.	Bicycle Lane	S. Miami Blvd. from US 70 to NC 54.
44	S. Roxboro St. Ext.	Bicycle Lane	S. Roxboro St. Ext. from Cornwallis Rd. to Hope Valley Rd.
45	Umstead/Enterprise/Forest Hills	Bicycle Lane	Follows Umstead St. from Fayetteville St. to Enterprise St., Enterprise St. to Forest Hills Blvd., and then Forest Hills Blvd. to University Dr.
46	University Dr./Durham-Chapel Hill Rd.	Bicycle Lane	Lakewood Rd. / University Dr. from Blackwell St. to Garret Rd., and Old Durham-Chapel Hill Rd. from Garret Rd. to US 15-501 (in Chapel Hill).
47	Woodcroft Pkwy	Bicycle Lane	Woodcroft Pkwy from Hope Valley Rd. to Alston Ave.
48	US 15-501 Corridor	Bicycle Lane	US 15-501 Corridor (Chapel Hill-Durham Blvd.) from Old Durham-Chapel Hill Rd. to Academy Rd. (NC 751) in Durham.
49	Blackwell St.	Bicycle Lane	Blackwell St. from Lakewood Dr. to the Downtown Loop.

Orange County (Urban Routes in Town of Chapel Hill)

<u>Project</u>	<u>Facility Type</u>	<u>Project Limits</u>	<u>TIP #</u>
50 Booker Creek Road / Old Oxford Road	Bicycle Lane	Traveling north to south, this route follows Booker Creek Road from Honeysuckle Road to Old Oxford Road, and Old Oxford Road to Erwin Road.	
51 Boundary Street	Bicycle Lane	Boundary Street from Country Club Road to Rosemary Street.	
52 Burning Tree Drive / Pinehurst Drive	Bicycle Lane	Burning Tree Drive from NC 54 to Pinehurst Drive, and Pinehurst Drive to Ephesus Church Road.	
53 Cameron Avenue	Bicycle Lane	Cameron Avenue from Pittsboro Street to Raleigh Street	
54 Caswell / Curtis / Lake Shore / Honeysuckle / Sedgefield Drive	Bicycle Lane	Traveling from south to north, this route follows Caswell Road from Estes Drive to Curtis Road, Curtis Road to Lake Shore Drive, Lake Shore to Honeysuckle Road, and Honeysuckle to Sedgefield Drive, ending at Weaver Dairy Road.	
55 Culbreth Road	Bicycle Lane	Culbreth Road from Smith Level Road to US 15-501 South.	
56 Elliot Road	Bicycle Lane	Elliot Road from Curtis Road to East Franklin Street.	
57 Ephesus Church Road	Bicycle Lane	Ephesus Church Road from Fordham Blvd. to King Road.	
58 Erwin Road	Bicycle Lane	Erwin Road from 15-501 to Durham County Line	
59 Estes Drive	Bicycle Lane	Estes Drive from Carrboro city limits 15-501 Bypass.	
60 Finley Golf Course Road / Mason Farm Road	Bicycle Lane	Traveling north to south, this route follows Finley Golf Course Road to Mason Farm Road, and Mason Farm Road to Fordham Blvd.	
61 Fordham Blvd. (US 15-501 Bypass)	Bicycle Lane	15-501 Bypass from SR1838 (old Durham/Chapel Hill Road) to Culbreth Road.	
62 Franklin Street	Bicycle Lane	Franklin Street from Boundary Street to Durham Chapel Hill Road.	
63 Homestead Road	Bicycle Lane	Homestead Road from Airport Road to Old NC 86.	
64 Manning Drive	Bicycle Lane	Manning Drive from Fordham Blvd. to South Columbia Street.	
65 Mason farm Road	Bicycle Lane	mason farm Road from Fordham Blvd. to South Columbia Street.	

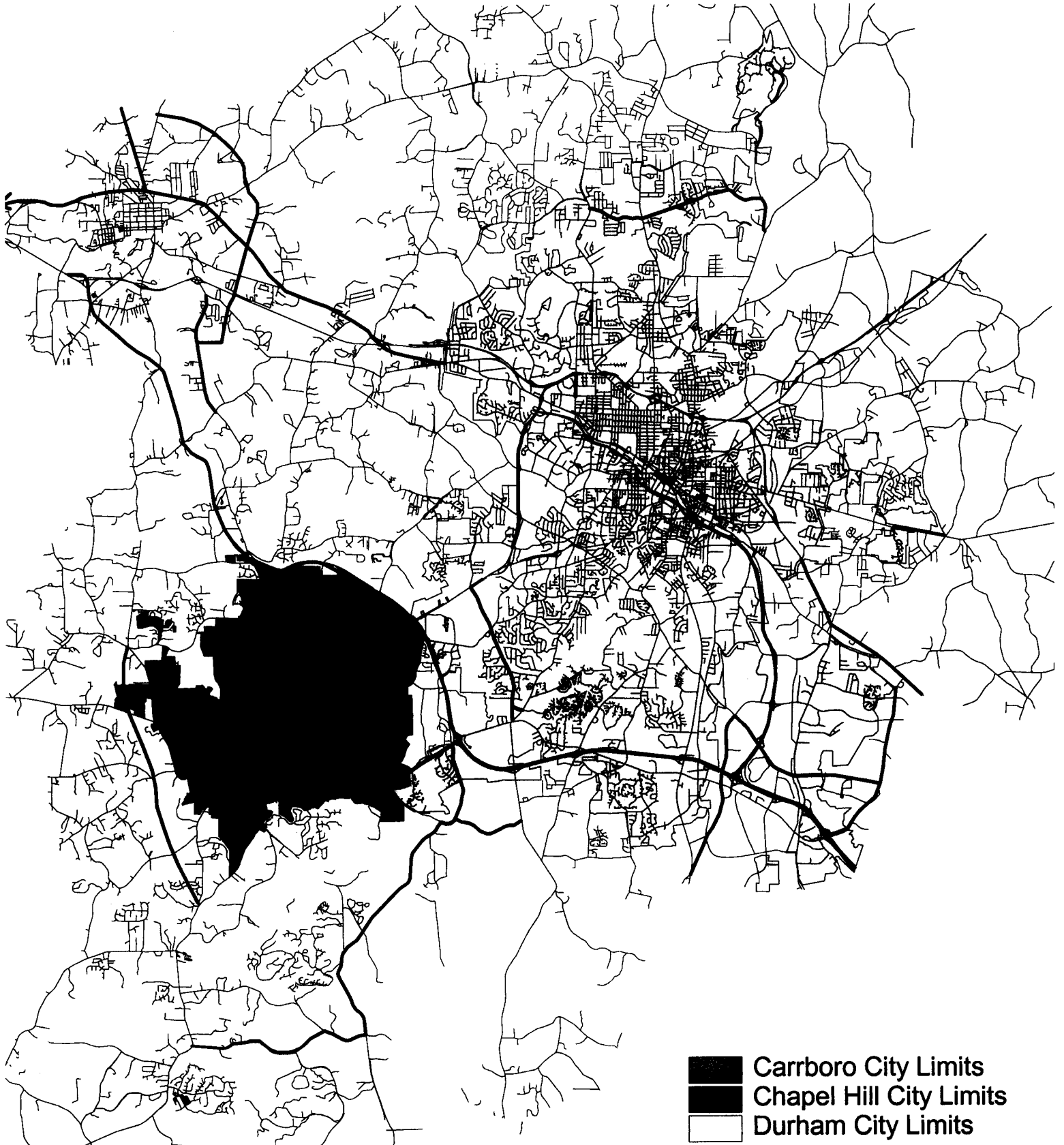
66	Merritt Mill Road	Bicycle Lane	Merritt Mill Road from Cameron Avenue to the NC 54 Bypass.
67	Mount Carmel Church Road	Bicycle Lane	Mount Carmel Church Road from US 15-501 South to the Chatham County line.
68	NC 86 (Airport Road)	Bicycle Lane	NC 86 north from Columbia Street to Whitfield Road. Possibility of improvements to NC 86 from Whitfield Road to Hillsborough should be examined.
69	Old Durham-Chapel Hill Road	Bicycle Lane	Old Durham Chapel Hill Road from US 15-501 to Durham County line.
70	Piney Mountain Road	Bicycle Lane	Piney Mountain Road from Airport Road to Weaver Dairy Road via Cedar Hills Circle.
71	Pittsboro Street	Bicycle Lane	Pittsboro Street from Cameron Avenue to South Columbia Street.
72	Rosemary Street	Bicycle Lane	Rosemary Street from Boundary Street to Carrboro City limits.
73	Seawell School Road	Bicycle Lane	Seawell School Road from Homestead Road to Estes Drive Extension.
74	Smith Level Road	Bicycle Lane	Smith Level Road from NC 54 Bypass to Culbreth Road.
75	South Columbia Street	Bicycle Lane	South Columbia Street from Airport Road to US 15-501 Bypass.
76	South Raleigh Road (NC 54)	Bicycle Lane	NC 54 from Country Club Road to the Durham County line.
77	Sunrise Drive	Bicycle Lane	Sunrise Drive from Whitfield Road to Weaver Dairy Road.
78	Umstead Drive	Bicycle Lane	Umstead Drive from the Estes Drive Extension to Airport Road (NC 86).
80	US 15-501 Corridor (Chapel Hill - Durham Blvd.)	Bicycle Lane	US 15-501 Corridor (Chapel Hill-Durham Blvd.) from the Old Durham-Chapel Hill Road to Academy Road (NC 751) in Durham.
81	US 15-501 South	Bicycle Lane	US 15-501 from 54 Bypass to the Chatham County line.
82	Weaver Dairy Road	Bicycle Lane	Weaver Dairy Road from NC 86 to Erwin Road.
83	Bolin Creek Bikeway	Bicycle Lane	This proposed off-road trail extends from the Chapel Hill Police Department on NC 86 along Bolin Creek, passes under East Franklin Street, and terminates at the Estes Drive Community Center.
84	Booker Creek Bikeway	Bicycle Lane	This proposed off-road trail extends from Lakeshore Lane in the north to Pinehurst Drive in the south.

Sidewalk Infill/Connectivity (MOD PED)

This alternative layer is designed to identify gaps in the pedestrian system and target areas for connectivity. The mapping is not yet available for this alternative, but will be considered in the Plan development.

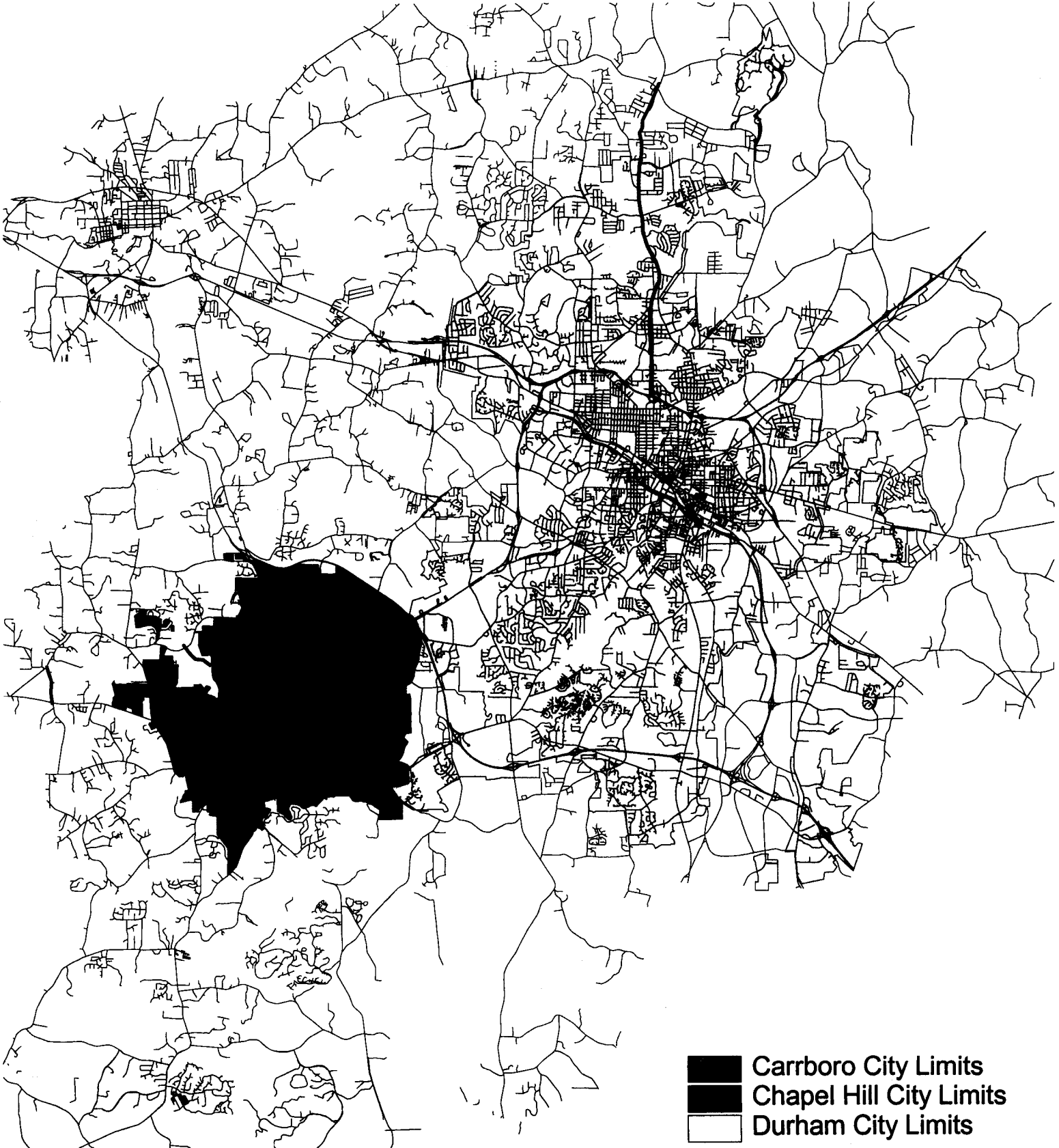
2025 DCHC Transportation Plan

MODERATE 1 HIGHWAY PROJECTS



2025 DCHC Transportation Plan

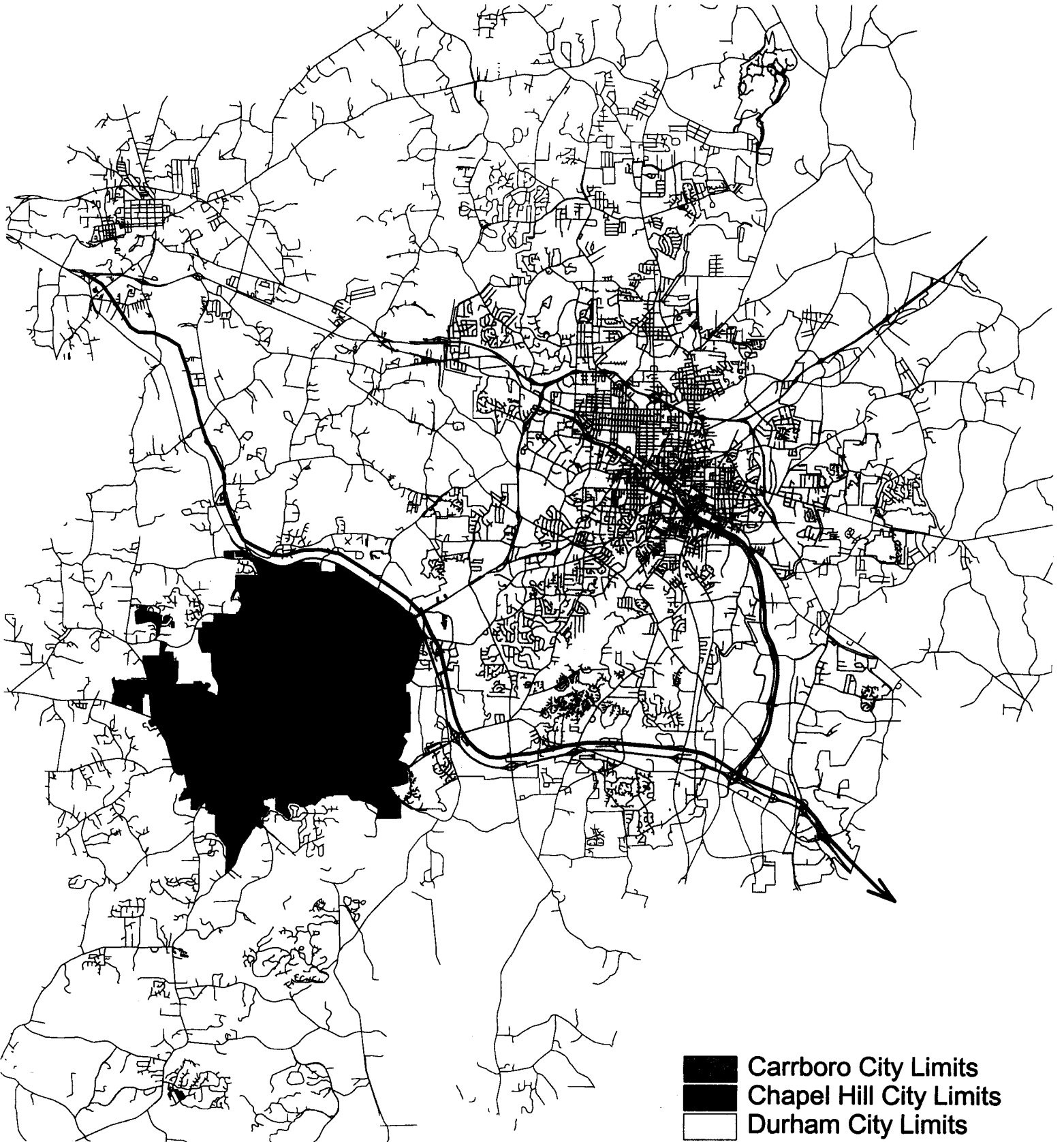
MODERATE 2 HIGHWAY PROJECTS



-  Carrboro City Limits
-  Chapel Hill City Limits
-  Durham City Limits

2025 DCHC Transportation Plan

INTENSIVE - HOV HIGHWAY PROJECTS



-  Carrboro City Limits
-  Chapel Hill City Limits
-  Durham City Limits

2025 DCHC Transportation Plan

INTENSIVE HIGHWAY PROJECTS

