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Durham-Chapel Hill-Carrboro
2030 Regional Transportation Plan

June 23, 2004

Executive Summary



The 2030 Long-Range Transportation Plan is the long-range guide for major transportation investments in the Durham-Chapel Hill-Carrboro (DCHC) metropolitan area. The 2030 Long-Range Transportation Plan (LRTP) recommends major transportation projects, systems, policies and strategies designed to maintain our existing systems and serve the region's future travel needs. The DCHC-MPO LRTP is integrated with land use and air quality strategies and goals for the urban area. Official endorsements of the Plan by the Transportation Advisory Committee (TAC), USDOT, and the Environmental Protection Agency (EPA) are required in order for the MPO to receive Federal funds for its transportation investment needs.

The plan emphasizes improvements to existing highway, transit, bicycle and pedestrian facilities and includes policies in support of intermodal freight needs (urban goods movement). To stretch our transportation dollars, the plan incorporates Travel Demand Management (TDM), Transportation System Management (TSM), Intelligent Transportation Systems (ITS), and Congestion Management Systems (CMS) strategies. The adopted 2025 Transportation investments formed the foundation for the proposed modal elements identified in this 2030 Plan.

The plan's assessment of the projected financial resources indicates that about \$5.8 billion can be expected to be available for transportation projects through 2030, not nearly enough to substantially expand the transportation system and meet the increase in demand from a growing region. The majority of projected resources will barely be enough to keep pace with the growing operating and maintenance needs of the existing-plus-committed systems, which include repair, bus replacement, reconstruction of portions of the system, and Intelligent Transportation Systems.

The gap between the region's transportation needs and available funding presents several challenges that the DCHC MPO, along with other Triangle region stakeholders, must soon address:

- Aggressively pursue both short and long term non-traditional funding sources as well local revenue options
- Advance LRTP components to implementation through the Transportation Improvement Program (TIP) consistent with the air quality conformity project implementation schedule.
- Monitor regional growth to ensure the Plan stays abreast of the region's needs
- Initiate feasibility studies for post year projects (projects not included in the 2030 LRTP)
- Engage in the process to solve the region's air quality problems and meet the new 8-Hour Air Quality Standard

Failure to address these challenges may result in deterioration of the transportation infrastructure, degradation in mobility, and harm to the regional economy.

Public Involvement

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The goal of the 2030 LRTP public involvement process is to develop and support an early, full and effective exchange of information and ideas among all transportation stakeholders in the metropolitan area. The MPO employed a wide range of techniques to promote citizen involvement, including direct mailings, open houses, public meetings in all parts of the metropolitan area, and newspaper advertisements.

One of the premises of the updated public involvement process is the MPO's commitment to increase public understanding of how transportation decisions are made, and to encourage participation in the planning process. With this goal in mind, MPO developed a website and published two newsletters.

Socio-Economic & Demographic Forecasts

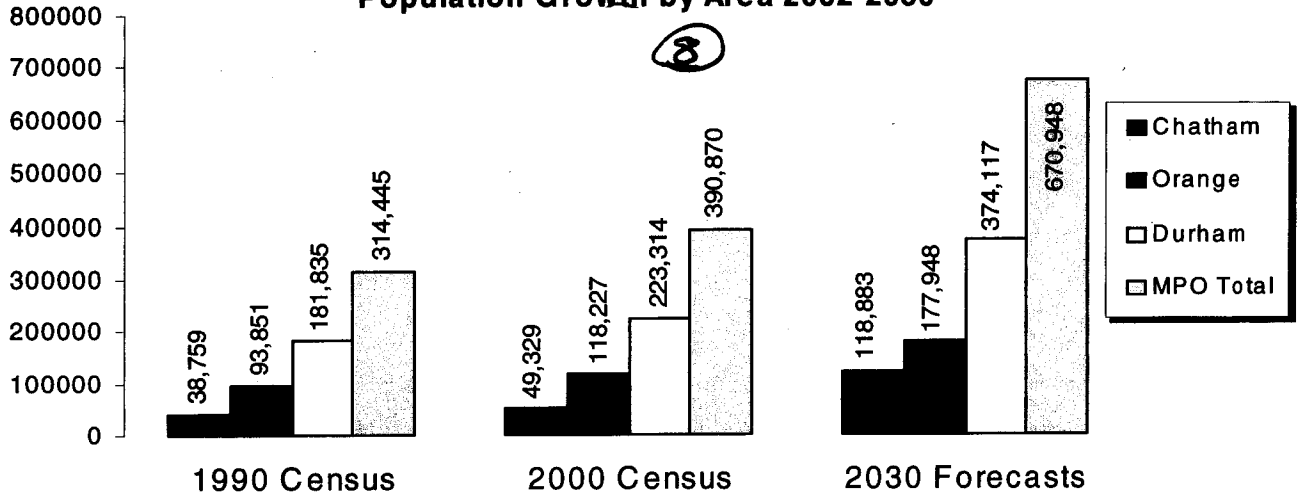
Accurate forecasts of future population, households, and employment are essential components of effective transportation planning. Local jurisdictions and the Lead Planning agency (LPA) are responsible for preparing these forecasts for the MPO. The forecast project began with generation of County totals for population, households and employment. It is assumed that implementation of the 2030 LRTP would have a significant impact on land use because most of the proposed transportation systems are either new capital highway and fixed guideway projects or widening/expansion of existing highway and transit infrastructure.

With the socio-economic forecast for the proposed 2030 LRTP, MPO wide job levels are expected to grow 89% from 2002 to 2030 and population is expected to increase by 72% over the same period. Substantial population and job growth is also projected in Durham, Orange, and Chatham Counties. The growth forecasts for 2030 are shown in the following table and graphs.

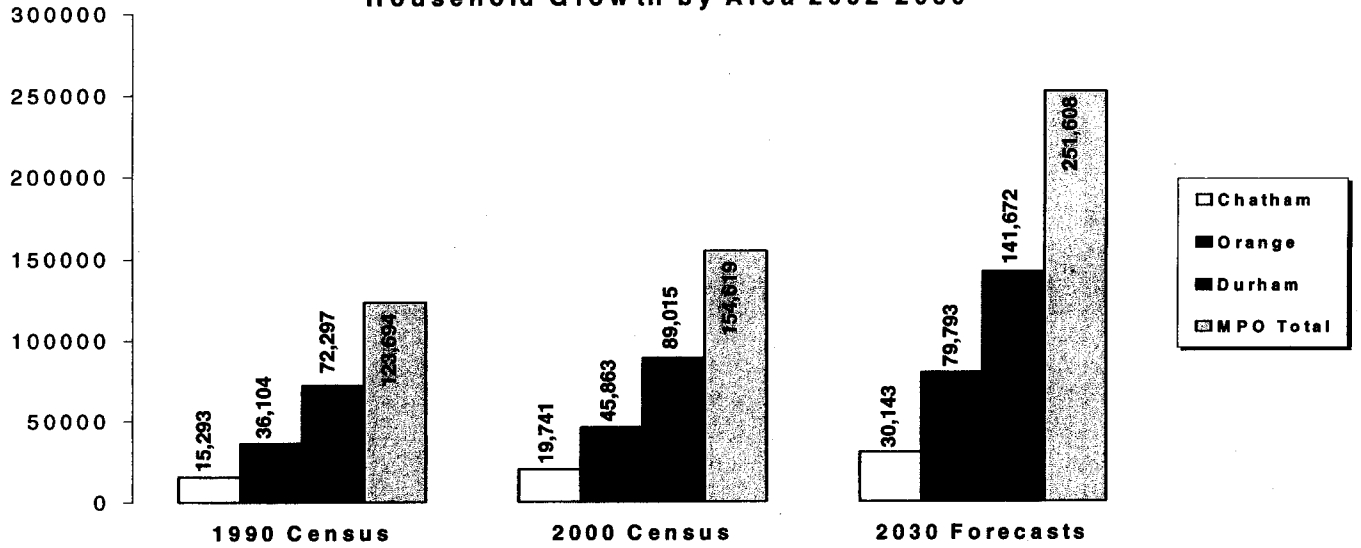
Population, Households, and Employment Forecasts for 2030

MPO Counties	1990 Census	2000 Census (percent change)	2030 Forecasts (% change from 2000)
<u>Population</u>			
Durham	181,835	223,314 (23%)	374,117 (68%)
Orange	93,851	118,227 (26%)	177,948 (51%)
Chatham	38,759	49,329 (27%)	118,883 (141%)
MPO Total	314,445	390,870 (24%)	670,948 (72%)
<u>Households</u>			
Durham	72,297	89,015 (23%)	141,672 (59%)
Orange	36,104	45,863 (27%)	79,793 (74%)
Chatham	15,293	19,741 (29%)	30,143 (53%)
MPO Total	123,694	154,619 (25%)	251,608 (63%)
<u>Employment</u>			
Durham	115,549	167,186 (45%)	337,023 (74%)
Orange	51,870	63,660 (23%)	108,486 (63%)
Chatham	21,380	26,460 (24%)	39,558 (50%)
MPO Total	188,799	257,306 (36%)	485,067 (89%)

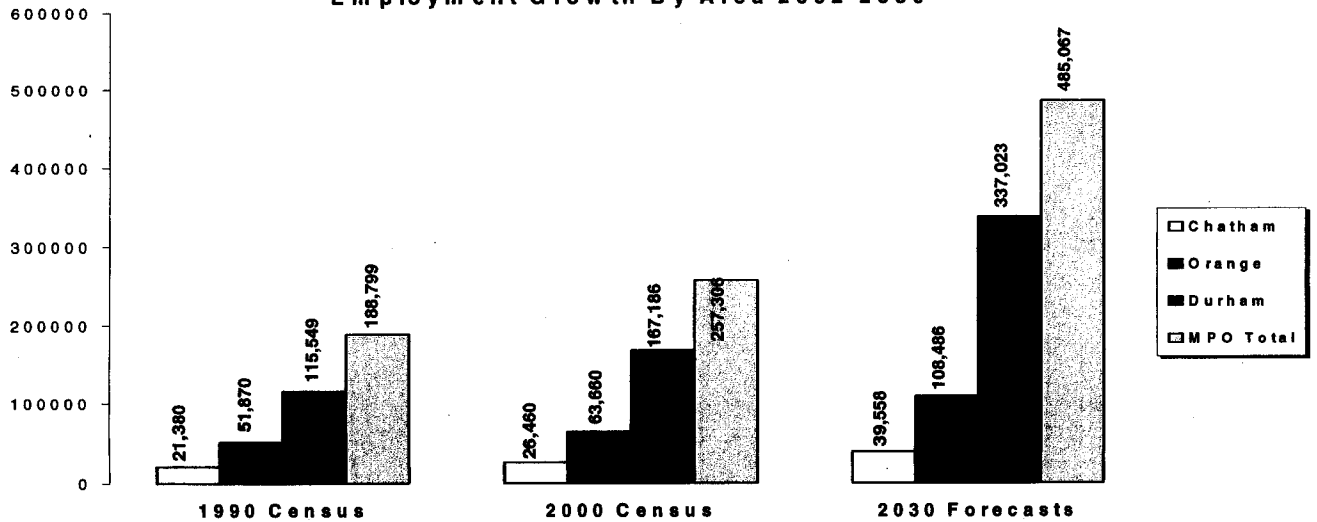
Population Growth by Area 2002-2030



Household Growth by Area 2002-2030



Employment Growth By Area 2002-2030



Transportation Goals and Objectives

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One of the major challenges of the 2030 LRTP is to develop a transportation system that provides improved mobility and preserves existing infrastructure. The 2030 LRTP should also support regional and local land use goals and work toward the region's attainment of national air quality standards.

The DCHC MPO Committee considered many sources of information in developing the final goals and objectives. Ultimately, the overarching goal of the transportation strategy remains to maintain and improve upon the safety and efficiency of the existing system. The goals include the following:

GOALS OF THE 2030 TRANSPORTATION PLAN

Overall Transportation System:

A safe, efficient, attractive, multi-modal transportation system that: supports local land use; accommodates trip-making choices; maintains mobility; protects the environment and neighborhoods; and improves the quality of life for urban area residents.

Multi-Modal Street & Highway System:

An attractive multi-modal street and highway system that allows people and goods to be moved safely, conveniently, and efficiently.

Public Transportation System:

A convenient, accessible, and affordable public transportation system, provided by public and private operators, that enhances mobility and economic development.

Pedestrian & Bicycle System:

A pedestrian and bicycle system that: provides an alternative means of transportation; allows greater access to public transit; and supports recreational opportunities.

Integration of Land Use & Transportation System:

A Transportation Plan that is integrated with local land use plans and development policies.

Protection of Natural Environmental & Social Systems:

A multi-modal transportation system which provides access and mobility to all residents, while protecting the natural environment, cultural resources, and social systems.

Public Involvement:

An ongoing program to inform and involve citizens throughout all stages of the development, update, and implementation of the Transportation Plan.

10 **Highlights of the 2030 Long-Range Transportation Plan Investments**

Attached are maps and tables showing the planned investments for Highway, Fixed Guideway, Transit and Bicycle/Pedestrian improvements.

The Highway, Transit, Fixed-Guideway and Bicycle/Pedestrian plan elements and the Financial Plan are the same as those in the adopted 2025 LRTP with a few necessary changes, such as:

1. Costs have been updated to reflect dollars in the year 2005, and known changes to project costs in the NCDOT Transportation Improvement Program (TIP), transit hourly operations, bus capital costs, etc.
2. The implementation years for Air Quality purposes in the 2025 LRTP have been changed from 2005, 2010, and 2025 to 2010, 2020, and 2030.
3. Costs associated with projects completely financed before 2005 are not included.
4. Maintenance and operations costs for the years 2026 through 2030 have been added to coincide with the extension of the planning horizon from 2025 to 2030.

Revenue projections have been modified to reflect changes to national transportation legislation (i.e., follow-on legislation to ISTEA) currently under deliberation by the U.S. Congress, and to account for a difference in the 2025 LRTP and 2030 LRTP plan period (i.e., 2002-2025 versus 2005-2030).

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DCHC MPO 2030 Long Range Transportation Plan Financial Analysis

REVENUE

		2005 Dollars
1	<i>Highway /Enhancement</i>	
1.1	Federal /State (NHS, STP, CMAQ, NCDOT match, etc.)	\$2,463,247,434
1.2	State High Trust Fund (e.g., loop funds)	\$510,031,579
1.3	Local (CIP)	\$348,671,109
1.4	Private	\$81,988,684
	Total Highway/Enhancement	\$3,403,938,806
2.1	<i>Bus Transit -- Capital</i>	
2.1.1	Federal FTA	\$324,596,899
2.1.2	State – NCDOT	\$20,287,309
2.1.3	Local	\$60,861,927
	<i>Total bus transit -- capital</i>	<i>\$405,746,135</i>
2.2	<i>Bus Transit -- Operating & Maintenance (O & M)</i>	
2.2.1	Federal FTA	\$65,076,878
2.2.2	State – NCDOT	\$110,558,122
2.2.3	Local	\$255,549,132
2.2.4	Fare	\$131,643,283
	<i>Total bus transit -- operating & maintenance</i>	<i>\$562,827,415</i>
	Total Bus Transit – Capital and O & M	\$968,573,550
3.1	<i>Fixed Guideway Transit – Capital (i.e., TTA phase 1, US 15-501)</i>	
3.1.1	Federal FTA	\$469,873,440
3.1.2	State – NCDOT	\$234,936,725
3.1.3	Local	\$123,208,335
	<i>Total fixed guideway transit capital</i>	<i>\$828,018,500</i>
3.2	<i>Fixed Guideway Transit -- O & M (i.e., TTA phase 1, US 15-501)</i>	
3.2.1	Federal FTA	\$98,905,722
3.2.2	State – NCDOT	\$157,156,154
3.2.3	Local	\$220,866,164
3.2.4	Fare	\$147,125,899
	<i>Total Fixed Guideway O & M</i>	<i>\$624,053,939</i>
	Total Fixed Guideway Transit – Capital and O & M	\$1,452,072,439
	Total Bus and Fixed Guideway Transit	\$2,420,645,989
	Total Transportation Plan Revenue	\$5,824,584,795

DCHC 2030 Long-Range Transportation Plan (LRTP)

COSTS

COST ESTIMATES (2005 Dollars)		
No.	Cost Components	2005 dollars
1	Highway	
1.1	Improvement	\$2,485,861,250
1.2	Maintenance	\$741,618,431
	Total Highway Program	\$3,227,479,681
2	Public Transportation -Transit/Fixed Guideway/Rail	
2.1	Bus Transit Cost	\$2,253,122,343
2.2	Transit High Capacity	\$102,257,642
2.3	Fixed Guideway (New Starts)	\$1,028,893,265
2.4	Rail ROW Corridor Protection	\$13,575,623
	Total Public Transportation (Rail)	\$3,397,848,873
3	Non Motorized Transportation	
	Bike Facilities	\$108,982,015
	Sidewalks & Pedestrian Walkways	\$20,383,000
	Total	\$129,365,015
4	TDM	\$49,785,750
5	ITS/TSM	\$56,680,000
	TOTAL 2025 Transportation Plan	\$6,861,159,319

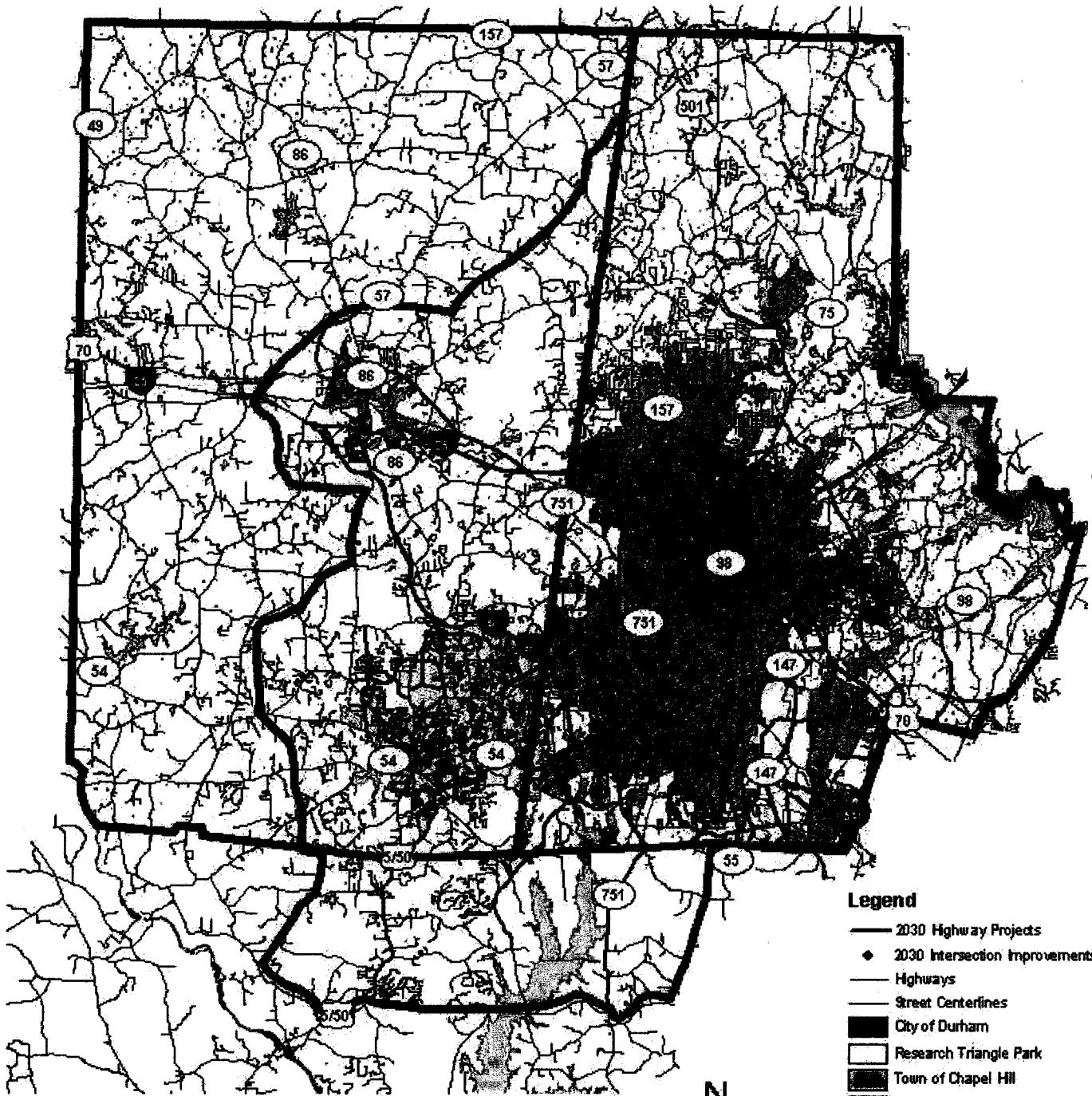
DCHC 2030 Long-Range Transportation Plan Financial Analysis

**COST & REVENUE COMPARISON
AND
NON TRADITIONAL REVENUE SOURCES**

	COST AND REVENUE COMPARISON	2005 Dollars
1	Total Transportation Cost Estimates	\$6,861,159,319
2	Total Transportation Revenue Forecast (traditional sources)	\$5,824,584,795
	Shortfall	(\$1,036,574,524)
	NON TRADITIONAL REVENUE SOURCES	
A	Motor (Gasoline) Fuel Tax - (22 years) (5% on retail gas cost (\$1.40 per gallon))	\$535,600,000
B	Vehicle Personal Property Tax Increase (22 years) (10 cents tax per \$100 of vehicle value)	\$0
C	Vehicle Registration - Phased implementation (\$10/vehicle/year)	\$370,800,000
	Total Non Traditional Revenue Sources	\$906,400,000
	TOTAL REVENUE (traditional & non-traditional)	\$6,730,984,795
	<i>Difference- shortfall</i>	(\$130,174,524)

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Durham-Chapel Hill-Carrboro Metropolitan Planning Area 2030 Long Range Transportation Plan Recommended Highways



- Legend**
- 2030 Highway Projects
 - ◆ 2030 Intersection Improvements
 - Highways
 - Street Centerlines
 - City of Durham
 - Research Triangle Park
 - Town of Chapel Hill
 - Town of Carrboro
 - Town of Hillsborough
 - Lakes, Rivers, Streams
 - DCHC MPO Boundary
 - County Boundary

Map prepared by Transport Solutions on June 17, 2004.
Information depicted hereon is for reference purposes only and is compiled from the best available sources. The City of Durham/Durham County assumes no responsibility for errors arising from the misuse of this map.



DCHC MPO Highway Investments 2030 LRTP

2030-Ref No	Project	Project Limits	Existing X-section	Proposed X-section	2004-2010 TIP No.	County	Length (miles)	2030 Total Cost (2005 \$)	Proposed Improvement	Funct. Class	2030-Reg. Sig.	AQ Year	Funding Source
1	Alexander Dr	Cornwallis Rd to NC 147	2-lane	4-lane divided	U-3309	Durham	1	\$2,088,235	Widening	Principal Arterial	No	2010	Federal/State
2	Alexander Dr	NC 54 to NC 55	2-lane	4-lane divided		Durham	2.41	\$9,156,000	Widening	Principal Arterial	No	2020	Federal/State/Private
3	Alexander Dr	NC 54 to Cornwallis Rd	2-lane	4-lane divided		Durham	1.89	\$7,412,000	Widening	Principal Arterial	No	2020	Federal/State
4	Alston Ave Ext	Holloway St to Old Oxford/Roxboro	New	3-lane		Durham	4.26	\$19,511,000	New	Minor Arterial	No	2030	Local/Private
5	Aviation Parkway	Northern Durham Parkway to Wake County Line	New	4-lane freeway		Durham	0.2	\$1,000,000	New	Principal Arterial	Yes	2030	Federal/State
6	Berryhill/Old Fayetteville Conn.	Old Fayetteville Rd to NC 54 Bypass	New	2-lane		Orange	0.2	\$545,000	New	Urban Collector	No	2010	Private
7	BPW Club/Rock Haven Conn.	Loop at Smith Level Road	New	2-lane		Orange	0.2	\$545,000	New	Urban Collector	No	2010	Private
8	Briggs Ave Ext	So-Hi Dr to Riddle Rd	New	2-lane	U-2831	Durham	1.6	\$5,833,000	New	Urban Collector	No	2020	Federal/State
9	Carver Street Ext	Armfield St to Old Oxford Rd	New	3-lane		Durham	0.73	\$3,379,000	New	Urban Collector	No	2010	Local
10	Chin Page Ext.	Page Rd to Wake County Line	New	3-lane		Durham	0.66	\$3,052,000	New	Urban Collector	No	2030	Federal/State/Private
11	Churton Connector	Old NC 86 to NC 86 (Between I-85 & I-40)	New	4-lane divided		Orange	0.57	\$4,796,000	New	Minor Arterial	No	2010	Private
12	Cornwallis Rd	MLK to Alexander Dr	2-lane	4-lane divided		Durham	1.18	\$4,796,000	Widening	Principal Arterial	No	2020	Federal/State
13	Cornwallis Rd Ext	Miami Blvd to Chin Page Rd	New	2-lane		Durham	0.78	\$3,379,000	New	Principal Arterial	No	2030	Federal/State
14	Davis Dr	NC 54 to County Line	2-lane	4-lane divided	U-4026	Durham	1.93	\$5,925,439	Widening	Principal Arterial	No	2010	Federal/State
15	East End Connector (EEC)	NC 147 to US 70 E; US 70;EEC to NC 98	New/4 In frwy	6-lane freeway	U-71	Durham	2.5	\$99,941,077	New/6 In frwy	Freeway	Yes	2020	State Trust Fund
16	Elizabeth Brady Rd Ext	US 70 Business to St Mary's Rd	New	4-lane divided	U-3808	Orange	1.4	\$15,500,000	New	Minor Arterial	No	2020	Federal/State
17	Estes Dr	Greensboro Rd to NC 86	2-lane	3-lane	U-2909	Orange	1.7	\$5,950,000	Widening	Minor Arterial	No	2020	Federal/State
18	FarmHouse/Tramore Conn.	Old NC 86 to Stratford Drive	New	2-lane		Orange	0.25	\$613,125	New	Urban Collector	No	2030	Private
19	Farrington Mill Rd	Jack Bennett Rd to Durham Co line	2-lane	4-lane divided		Chatham	2.42	\$15,805,000	Widening	Minor Arterial	No	2030	Federal/State
20	Farrington Mill Rd	Barbee Chapel Rd to Chatham Co line	2-lane	4-lane divided		Durham	2.04	\$13,298,000	Widening	Minor Arterial	No	2030	Federal/State
21	Farrington Rd	Barbee Chapel Rd to Stagecoach Rd	2-lane	4-lane divided		Durham	0.4	\$2,507,000	Widening	Minor Arterial	No	2030	Federal/State
22	Fayetteville Rd	Woodcroft Pkwy to Cornwallis Rd	2-lane	4-lane divided		Durham	2.31	\$17,440,000	Widening	Principal Arterial	No	2020	Local
23	Garrett Rd	NC 751 to US 15-501	2-lane	3-lane		Durham	3.12	\$5,886,000	Widening	Principal Arterial	No	2020	Federal/State
24	Globe St Ext. (Brier Creek Pkwy)	Miami Blvd. To Wake County Line	New	4-lane divided		Durham	1.98	\$14,755,074	New	Principal Arterial	No	2030	Federal/State/Private
25	Glover Rd	Glover Rd/NC 147 interchange; 147 to Angier	2-lane	Interchg/4-lane divided		Durham	1.94	\$35,534,000	Widen/interchg.	Minor Arterial	No	2020	Federal/State/Private
26	Glover Rd	Angier to US 70	New	4-lane divided		Durham	1.37	\$11,554,000	New	Minor Arterial	No	2020	Federal/State/Private

DCHC MPO Highway Investments 2030 LRTP

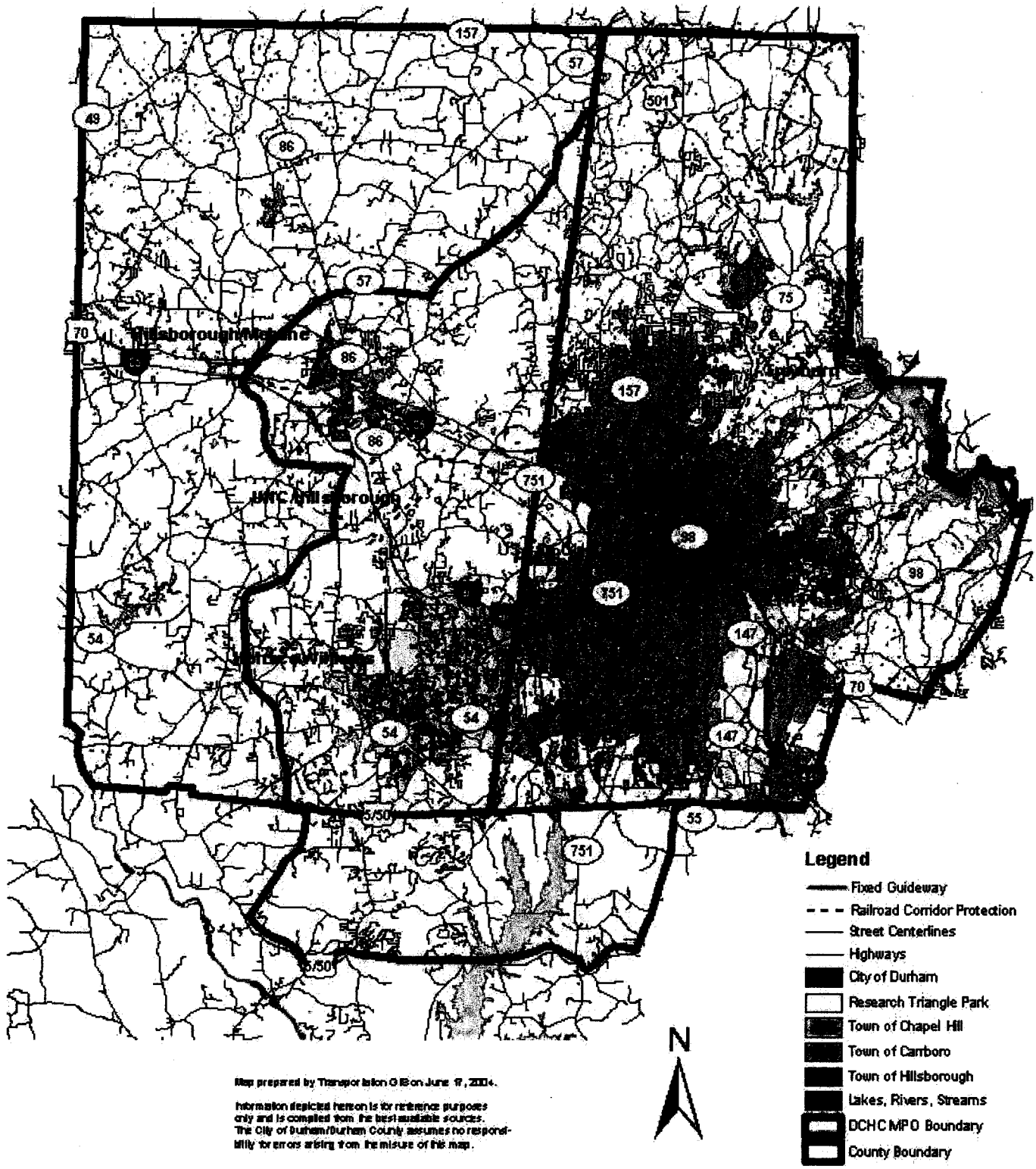
53	Midland Terrace	Dearborn to Old Oxford Rd/Hamlin Junction	New	2-lane		Durham	0.95	\$4,796,000	New	Minor Arterial	No	2030	Local/Private
54	MLK Parkway	Old Chapel Hill Rd to NC 55	New	4-lane divided	MPO A-10	Durham	2.23	\$0	New	Principal Arterial	Yes	2010	Local
55	MLK Pkwy	NC 55 to Cornwallis Rd connector	New	4-lane divided	U-2405	Durham	0.49	\$25,800,000	New	Principal Arterial	Yes	2020	Federal/State
56	NC 147	Alston Ave to I-40	4-lane freeway	6-lane freeway		Durham	6.69	\$36,842,000	Widening	Freeway	Yes	2030	Federal/State
57	NC 147	East End Conn to I-40	4-lane freeway	HOV lane		Durham	4.78	\$100,171,000	Widening	Freeway	Yes	2030	Federal/State
58	NC 147 (Triangle Parkway)	I-40 to County Line	New	6-lane freeway		Durham	2.4	\$70,059,061	New	Interstate	Yes	2030	Federal/State
59	NC 54	Miami Blvd to Wake Co line	2-lane	4-lane divided		Durham	1.23	\$23,762,000	Widening	Principal Arterial	No	2020	Federal/State
60	NC 54	I-40 Interchange to NC 55	2-lane	4-lane divided		Durham	3.91	\$75,537,000	Widening	Principal Arterial	No	2020	Federal/State
61	NC 54	I-40 to Barbee Chapel Rd	2-lane	6-lane divided		Durham	1.68	\$36,188,000	Widening	Principal Arterial	No	2020	Federal/State
62	NC 751/Garret Rd	54/NC Intersection	Existing	Upgrade		Durham	1	\$2,616,000	Upgrade	Principal Arterial	Yes	2020	Federal/State
63	NC 54/Page Rd	Davis Dr to Miami Blvd	2-lane	4-lane divided	R-2904	Durham	1.1	\$3,100,000	Widening	Principal Arterial	Yes	2010	Federal/State
64	NC 54/US Bypass	NC 54 to US 15-501	4-lane	6-lane divided		Orange	0.88	\$19,075,000	Widening	Principal Arterial	Yes	2020	Federal/State
65	NC 55	Cornwallis Rd to Wake Co.	2-lane	4-lane divided	R-2906	Durham	4.66	\$7,700,000	Widening	Principal Arterial	Yes	2010	Federal/State
66	NC 55 (Alston Ave.)	NC 147 to NC 98	2-lane	4-lane divided	U-3308	Durham	1	\$15,700,000	Widening	Principal Arterial	Yes	2010	Federal/State
67	NC 751	US 64 (MAB) to Durham Co line	2-lane	4-lane divided		Chatham	7	\$106,820,000	Widening	Principal Arterial	Yes	2030	Federal/State
68	NC 751	Chatham Co line to S Roxboro St	2-lane	4-lane divided		Durham	4.71	\$71,395,000	Widening	Principal Arterial	Yes	2030	Federal/State
69	NC 86	Old NC 10 to US 70 Business	2-lane	4-lane divided		Orange	1	\$10,682,000	Widening	Principal Arterial	Yes	2020	Federal/State
70	NC 86	US 70 Bypass to NC 57	2-lane	4-lane divided		Orange	0.42	\$4,469,000	Widening	Principal Arterial	Yes	2020	Federal/State
71	NC 98	Oak Grove to Wake County Line	2-lane	4-lane divided		Durham	6	\$14,803,000	Widening	Principal Arterial	No	2030	Federal/State
72	Northern Pkwy-revised	US 70 E. to I 85 N	New	4-lane divided	U-4721B	Durham	6.4	\$88,072,000	New	Principal Arterial	Yes	2030	State Fund
73	Northern Pkwy-revised	I 85 North to Old Oxford Hwy	New	4-lane divided	U-4721A	Durham	2.4	\$28,231,000	New	Principal Arterial	Yes	2030	State Fund
74	Northern Pkwy-revised	Old Oxford Hwy to Roxboro Rd (0.98 mile on nex location)	New	2-lane (4-lane ROW)	U-4721C	Durham	3.3	\$17,113,000	New	Principal Arterial	Yes	2030	State Fund
75	O'Kelley/Chapel Rd	NC751 to Wake County Line	2-lane	2-3 TSM		Chatham	2.4	\$1,200,000	Widening	Urban Collector	No	2020	Federal/State
76	Old NC 86	I-40 to Lafayette Dr.	2-lane	4-lane divided	R-2825	Orange	0.8	\$3,950,000	Widening	Minor Arterial	No	2020	Federal/State/Private
77	Old NC 86	Lafayette Dr to US 70 Business	2-lane	4-lane divided	R-2825	Orange	1.7	\$15,350,000	Widening	Minor Arterial	No	2020	Federal/State/Private
78	Old Oxford Rd	Roxboro Rd to Northern Durham Parkway	2-lane	4-lane divided		Durham	3.61	\$51,012,000	Widening	Minor Arterial	No	2020	Federal/State/Private
79	Olive Branch Rd Ext	NC 98 to US 70	New	2-lane		Durham	1.48	\$2,289,000	New	Minor Arterial	No	2030	Private
80	Page Rd	I-40 to Page Rd Ext	2-lane	4-lane divided		Durham	3.1	\$14,933,000	Widening	Minor Arterial	No	2030	Federal/State
81	Riddle Rd. Extension	Briggs Ave. to NC 147	New	2-lane		Durham	1.04	\$1,635,000	New	Urban Collector	No	2020	Federal/State/Private

DCHC MPO Highway Investments 2030 LRTP

82	Roxboro Road (501N)	Duke Street to Goodwin Rd	4-lane divided	6-lane divided	U-4722	Durham	2.65	\$57,007,000	Widening	Principal Arterial	Yes	2030	State Fund
83	Roxboro St	Cornwallis Rd to MLK Pkwy	New	4-lane divided		Durham	1	\$10,137,000	New	Minor Arterial	No	2020	Local/Private
84	Scott King Rd	Grandale Dr to Hopson	New	2-lane		Durham	0.95	\$4,142,000	New	Minor Arterial	No	2020	Federal/State
85	Seawell School Connector	Lake Hogan Farms Rd to Seawell School Rd	New	2-lane		Orange	1.7	\$4,360,000	New	Urban Collector	No	2030	Private
86	Smith Level Rd	Rock Haven Rd to NC 54 bypass	2-lane	4-lane divided	U-2803	Orange	0.6	\$3,350,000	Widening	Minor Arterial	No	2010	State
87	South Columbia St	NC 54 to Manning Dr.	turn lanes/bike	2-lane	U-624	Orange	0.7	\$2,950,000	Widening	Principal Arterial	No	2010	Federal/State
88	Stagecoach Rd	Farrington Mill Rd to NC 751	2-lane	4-lane divided		Durham	1.96	\$13,298,000	Widening	Minor Arterial	No	2030	Federal/State
89	SW Durham Dr	Rizzo Conf. Dr to I-40	New	2-lane		Durham	1.55	\$9,265,000	New	Minor Arterial	No	2020	Federal/State/Private
90	SW Durham Pkwy	Farrington Rd from I-40 to Old Chapel Hill Rd	2-lane	2-lane		Durham		\$0	Existing	Minor Arterial	No	2020	Federal/State/Private
91	SW Durham Pkwy	NC 54 to Rizzo Conf. Driveway	New	4-lane divided	MPO- A-16 Finished?	Durham	1.27	\$0	New	Minor Arterial	No	2010	Private
92	T. W. Alexander Dr Ext	US 70 to Carpenter Ponds (Durham Portion)	New	4-lane divided		Durham	0.66	\$1,744,000	New	Principal Arterial	No	2020	Private/Public
93	UNC Access to the Bypass	Manning Dr to 54/15-501 Bypass	New	4-lane divided		Orange	0.54	\$2,616,000	New	Urban Collector	No	2020	Private/Public
94	US 15-501	Mt Moriah Rd to Garrett Rd	4-lane divided	6-lane divided	U-4012	Durham	0.9	\$8,300,000	Widening	Principal Arterial	Yes	2010	Federal/State
95	US 15-501	I-40 to Franklin St	4-lane divided	6-lane divided	U-2807	Orange	1.4	\$45,315,789	Widening	Principal Arterial	Yes	2030	Federal/State
96	US 15-501	Bypass to Orange County Line (near I-40) (freeway conversion)	4-lane divided	6-lane freeway	U-2807	Durham	2.4	\$77,684,211	Widening	Urban Freeway	Yes	2030	Federal/State
97	US 15-501 Bypass	Pickett Rd to Morreene Rd	4-lane freeway	6-lane freeway		Durham	2.69	\$78,807,000	Widening	Urban Freeway	Yes	2030	Federal/State
98	US 15-501 Service Rd (SR 1126)	Relocation of existing service road.	2-lane	2-lane	U-4009	Durham	0.3	\$1,150,000	Realignment	Service Road	No	2010	Federal/State
99	US 70	Lynn Rd to Wake Co line	4-lane divided	6-lane freeway	U-4720	Durham	4.11	\$110,744,000	Widening	Urban freeway	Yes	2020	State Fund
100	US 70 Bypass	NC 86 to I-85 (exit 170)	2-lane	4-lane divided		Orange	7.8	\$100,280,000	Widening	Urban freeway	Yes	2020	Federal/State
101	Weaver Dairy Rd	NC 86 to Erwin Rd	2-lane	5-lane/4-lane divided	U-3306	Orange	2.8	\$10,700,000	Widening	Minor Arterial	No	2010	Federal/State
102	Weaver Dairy Rd Ext	Horace Williams property to N	2-lane	4-lane divided		Orange	1.23	\$5,341,000	Widening	Minor Arterial	No	2020	Federal/State/Private
103	Western Bypass	US 70 to NC 86	New	2-lane	R-3438/Priv.	Orange	2.6	\$6,679,310	New	Minor Arterial	No	2020	Federal/State
104	Western Bypass	NC 86 to Stroud Creek Rd	New	2-lane	R-3438/Priv.	Orange	0.3	\$770,690	New	Urban Collector	No	2020	Private
105	Woodcroft Pkwy Ext	Garrett Rd to Hope Valley Rd	New	2-lane divided		Durham	0.27	\$2,398,000	New	Urban Collector	No	2020	Local/Private
							241	2,222,143,780					

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Durham-Chapel Hill-Carrboro Metropolitan Planning Area 2030 Long Range Transportation Plan Recommended Fixed Guideway



**DCHC 2030 Long-Range Transportation Plan (LRTP)
Fixed Guideway Transportation Costs**

Fixed Guideway Transportation Costs	Cost Estimates 2005 Dollars
<i>Fixed Guideway Capital</i>	
TTA Rail -Phase 1 (DCHC Portion)	\$349,050,700
US 15501 fixed guideway Duke -UNC/Horace Williams	\$299,299,830
Total Fixed Guideway Capital	\$648,350,530
<i>Fixed Guideway Operating & Maintenance (O&M)</i>	
TTA Rail -Phase 1 (DCHC Portion)	\$312,374,925
US 15501 fixed guideway Duke -UNC/Horace Williams	\$101,239,898
Total Fixed Guideway O & M	\$413,614,823
Total Fixed Guideway Cost Estimates	\$1,061,965,353
<i>High Capacity Transit</i>	
High Capacity Transit (I40-carrboro plaza; eubanks-southern village) - Capital	\$66,926,000
High Capacity Transit (I40-carrboro plaza; eubanks-southern village) - O & M	\$35,331,642
Total High Capacity Transit Cost Estimates	\$102,257,642
Rail Corridor Protection/Feasibility Studies	\$13,575,623
(Preservation of existing rail ROW)	
Total Fixed Guideway/Rail Corridor Cost Estimates	\$1,177,798,618

DCHC MPO 2030 LRTP
Fixed Guideway Investment

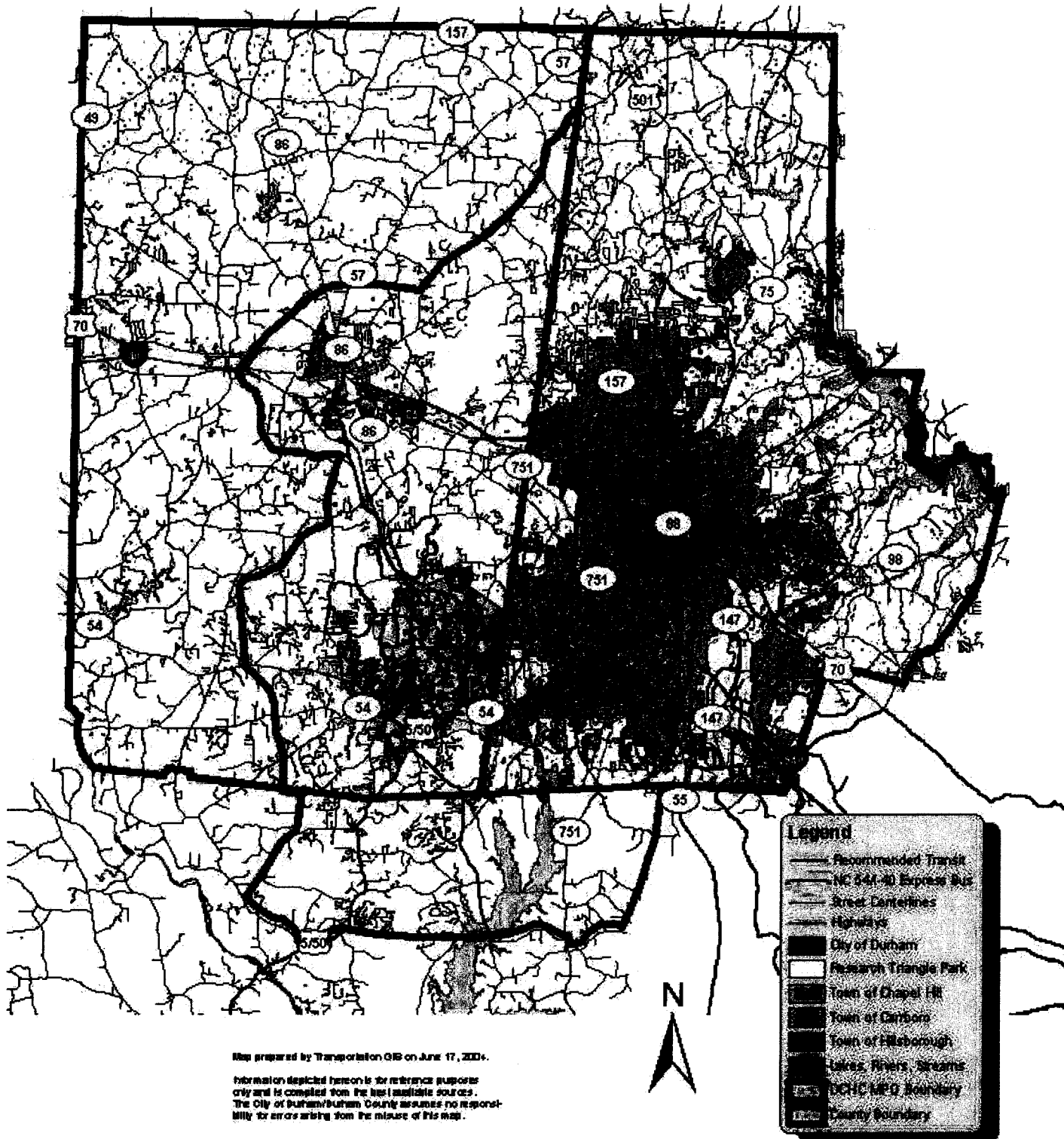
(21)

Fixed Guideway / High Capacity Transit						
No.	Service Type	Route Name (Description)	Transit Agency	Peak Headway	off peak Headway	Year
1	Rail	Duke Hospital/VA ->Spring Forest	TTA Rail Phase 1	15/10	30/20	08/15
2	Rail	Spring Forest ->Duke Hospital/VA	TTA Rail Phase 1	15/10	30/20	08/15
3	Fixed guideway	Duke/9th ST-> UNC/Horace Williams (15-501)	Fixed Guideway	10	20	2020
4	Fixed guideway	UNC/Horace Williams -> Duke/9th Street (15-501)	Fixed Guideway	10	20	2020
5	high capacity	I-40 via 15-501->Carrboro Plaza IB	CHT	10	20	2025
6	high capacity	Carrboro Plaza -> I-40 via 15-501 OB	CHT	10	20	2025
7	high capacity	Eubanks -> Southern Village IB	CHT	10	20	2030
8	high capacity	Eubanks -> Southern Village OB	CHT	10	20	2030
	Rail protection	NC 55/Apex				2025
	Rail protection	Durham - Treyburn				2010
	Rail protection	Durham - Hillsborough/Mebane				2025
	Rail protection	Chapel Hill (Eubanks) - Hillsborough				2030
	Rail protection	Durham Beltline				2010
5	Fixed guideway	UNC->NC54/RTP (NC54/I-40 fixed guideway) - IB	Fixed Guideway	10	20	PY
6	Fixed guideway	UNC->NC54/RTP (NC54/I-40 fixed guideway) - OB	Fixed Guideway	10	20	PY
	Year =	Air Quality Year of Implementation				
	PY =	Post Year				

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Durham-Chapel Hill-Carrboro Metropolitan Planning Area

2030 Long Range Transportation Plan Recommended Transit Component



Map prepared by Transportation GIS on June 17, 2003.
 Information depicted hereon is for reference purposes only and is compiled from the best available sources. The City of Durham/Durham County assumes no responsibility for errors arising from the misuse of this map.

**DCHC 2030 Long-Range Transportation Plan (LRTP)
Transit/Public Transportation Costs**

No.	Description	Cost Estimates (2005 Dollars)
1	<i>Fixed Guideway -New Starts</i>	
1.1a	TTA Rail -Phase 1 (DCHC Portion) - Capital	\$349,050,700
1.1b	TTA Rail -Phase 1 (DCHC Portion) - O & M	\$312,374,925
1.2a	US 15501 fixed guideway Duke -UNC/Horace Williams - Capital	\$274,587,000
1.2b	US 15501 fixed guideway Duke -UNC/Horace Williams - O & M	\$92,880,640
	Total Fixed Guideway (New Starts)	\$1,028,893,265
	<i>High Capacity Transit</i>	
1.3a	High Capacity Transit - Capital	\$66,926,000
1.3b	High Capacity Transit - O & M	\$35,331,642
	Total High Capacity Transit	\$102,257,642
2	<i>Bus Transit/Park & Ride/Shelters/Bldg. Facilities</i>	
2.1a	Bus Transit - Capital	\$193,420,500
2.1b	Bus Transit - O & M	\$1,960,847,325
	<i>Total Bus Costs</i>	<i>\$2,154,267,825</i>
2.2a	Park & Ride - Capital (16 locations, 7500 spaces)	\$17,029,888
2.2b	Park & Ride - O & M	\$170,299
	<i>Total Park & Ride Costs</i>	<i>\$17,200,187</i>
2.3	Transit Amenities (shelters, architecture/benches, etc)	\$23,980,000
2.4	Transit Building (transfer/maintenance) Facilities	\$57,674,331
	Total Bus Transit	\$2,253,122,343
3	Rail Corridor Protection	\$13,575,623
	(Preservation of existing rail ROW)	
	Total Transit/Public Transportation Costs	\$3,397,848,873

No.	Service Type	Route Name (Description)	Transit Agency	Peak Headway	Off Peak Headway	Capital Cost - (2005 Dollars)	Total Operating & Maintenance (O&M) 2030	TOTAL COST (2005 Dollars)	Service	Year of Implementation
1	local bus	N-GATE->SPOINT	DATA	10	20	\$1,144,500	\$11,948,580	\$13,093,080	New	2005
2	local bus	SPOINT->N-GATE	DATA	10	20	\$1,144,500	\$11,948,580	\$13,093,080	New	2005
3	local bus	N-GATE->SPOINT Mall Shuttle	DATA	30	60	\$490,500	\$5,120,820	\$5,611,320	New	2006
4	local bus	CARR N TRANSITION'	CHT	10	20	\$817,500	\$8,534,700	\$9,352,200		2010
5	local bus	CARR N TRANSITION	CHT	10	20	\$981,000	\$10,241,640	\$11,222,640		2010
6	local bus	I40/15501->FRANKLIN/UNC	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
7	local bus	FRANKLIN/UNC->I40/15501	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
8	local bus	MAIN&ROBERSON->ELLIOTT&US 15/501', shuttle	CHT	15	60	\$490,500	\$5,120,820	\$5,611,320		2020
9	local bus	laurel hill loop-meadowmont shuttle	CHT	15	60	\$327,000	\$3,413,880	\$3,740,880		2020
10	local bus	HORAC WILLIAMS->UNC	CHT	7.5	15	\$327,000	\$3,413,880	\$3,740,880		2015
11	local bus	:HORAC WILLIAMS->UNC	CHT	7.5	15	\$490,500	\$5,120,820	\$5,611,320		2015
12	local bus	UNC->MASON FARM	CHT	10	20	\$327,000	\$3,413,880	\$3,740,880		2010
13	local bus	MASON FARMUNC->UNC	CHT	10	20	\$327,000	\$3,413,880	\$3,740,880		2010
14	local bus	NORTH/SOUTH EXPRESS ob/NB	CHT	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2005
15	local bus	NORTH/SOUTH EXPRESS ib/SB'	CHT	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2005
16	local bus	C ROUTE OUTBOUND'	CHT	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2005
17	local bus	C ROUTE INBOUND	CHT	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2005
18	local bus	D ROUTE OUTBOUND	CHT	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2005
19	local bus	D ROUTE INBOUND	CHT	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2005
20	local bus	F ROUTE OUTBOUND	CHT	10	20	\$981,000	\$10,241,640	\$11,222,640	Existing	2005
21	local bus	F ROUTE INBOUND	CHT	10	20	\$981,000	\$10,241,640	\$11,222,640	Existing	2005
22	local bus	G ROUTE OUTBOUND	CHT	10	20	\$1,144,500	\$11,948,580	\$13,093,080	Existing	2005
23	local bus	G ROUTE INBOUND	CHT	10	20	\$1,308,000	\$13,655,520	\$14,963,520	Existing	2005
24	local bus	J ROUTE OUTBOUND'	CHT	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2005
25	local bus	J ROUTE INBOUND	CHT	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2005
26	local bus	N ROUTE OUTBOUND	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2005
27	local bus	N ROUTE INBOUND	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2005
28	local bus	Airport Road Express (NU Route) OB	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760	Existing	2005
29	local bus	Airport Road Express (NU Route) IB	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760	Existing	2005
30	local bus	S ROUTE OUTBOUND	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2005
31	local bus	S ROUTE INBOUND	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760	Existing	2005
32	local bus	T ROUTE OUTBOUND	CHT	10	20	\$981,000	\$10,241,640	\$11,222,640	Existing	2005
33	local bus	T ROUTE INBOUND	CHT	10	20	\$981,000	\$10,241,640	\$11,222,640	Existing	2005

No.	Service Type	Route Name (Description)	Transit Agency	Peak Headway	Off Peak Headway	Capital Cost - (2005 Dollars)	Total Operating & Maintenance (O&M) 2005-2030	TOTAL COST (2005 Dollars)	Service	Year of Implementation
35	local bus	U ROUTE INBOUND	CHT	10	20	\$327,000	\$3,413,880	\$3,740,880	Existing	2005
36	local bus	MAIN&ROBERSON->ELLIOTT&US 15/501'	CHT	10	20	\$981,000	\$10,241,640	\$11,222,640	Existing	2010
37	local bus	:ILLIOTT&US 15/501->MAIN&ROBERSON'	CHT	15	30	\$654,000	\$6,827,760	\$7,481,760	Existing	2010
38	local bus	Weaver Dairy Road loop [CH6] :S&COLUMBIA->LAUREL H&EPHESUS	CHT	15	30	\$490,500	\$5,120,820	\$5,611,320	Existing	2005
39	local bus	LAUREL H&EPHESUS CH->S&COLUM	CHT	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2005
40	local bus	Downtown Carrboro - UNC loop [CH12]	CHT	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2005
41	local bus	Liggett Myers->DENFIELD&ROXBR'	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320	New	2010
42	local bus	DENFIELD&ROXBR->Liggett Myers'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2005
43	local bus	Liggett Myers->CARVER&FRONT'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	Existing	2006
44	local bus	CARVER&FRONT->Liggett Myers'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	Existing	2006
45	local bus	ALSTON STA->HOLDER&SHERRON	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	New	2008
46	local bus	HOLDER&SHERRON->ALSTON STA	DATA	10	20	\$1,144,500	\$11,948,580	\$13,093,080	Existing	2008
47	local bus	Liggett Myers->HOLLOWAY/VILLAG'	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2008
48	local bus	HOLLOWAY/VILLAG->Liggett Myers'	DATA	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
49	local bus	Liggett Myers->N.DUKE MALL	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2005
50	local bus	N.DUKE MALL->Liggett Myers	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	Existing	2005
51	local bus	Liggett Myers->S.SQUARE MALL	DATA	10	20	\$981,000	\$10,241,640	\$11,222,640	Existing	2008
52	local bus	S.SQUARE MALL->Liggett Myers	DATA	15	30	\$817,500	\$8,534,700	\$9,352,200	Existing	2008
53	local bus	Liggett Myers->NEAL&MEADOWBROOK	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	New	2010
54	local bus	:NEAL&MEADOWBROOK->Liggett Myers'	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	New	2010
55	local bus	Liggett Myers->S.ROXBORO ST.'	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
56	local bus	S.ROXBORO ST.->Liggett Myers'	DATA	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
57	local bus	Liggett Myers->HOLMES REC.CTR'	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	Existing	2005
58	local bus	HOLMES REC.CTR->Liggett Myers'	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	Existing	2005
59	local bus	Liggett Myers->DURH.REG.HOSP'	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	Existing	2005
60	local bus	DURH.REG.HOSP->Liggett Myers'	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	Existing	2005
61	local bus	Liggett Myers->S.SQUARE MAL'	DATA	15	30	\$654,000	\$6,827,760	\$7,481,760	Existing	2005
62	local bus	S.SQUARE MAL->Liggett Myers'	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	Existing	2005
63	local bus	9TH ST(Buchanan)->DUKE/VA H'	DATA	15	30	\$654,000	\$6,827,760	\$7,481,760	Existing	2008
64	local bus	DUKE/VA H->9TH ST(Buchanan)	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
65	local bus	Liggett Myers->S.PARK STA	DATA	15	30	\$981,000	\$10,241,640	\$11,222,640	New	2008

No.	Service Type	Route Name (Description)	Transit Agency	Peak Headway	Off Peak Headway	Capital Cost - (2005 Dollars)	Total Operating & Maintenance (O&M) 2005-2030	TOTAL COST (2005 Dollars)	Service	Year of Implementation
67	local bus	S.PARK STA->Liggett Myers'	DATA	15	30	\$981,000	\$10,241,640	\$11,222,640	New	2008
68	local bus	NCCU->HOLLOWAY&LYNN'	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
69	local bus	HOLLOWAY&LYNN->NCCU	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
70	local bus	FAYTTL&CORNWLLS->HW54&ALSTN'	DATA	10	20	\$981,000	\$10,241,640	\$11,222,640	Existing	2005
71	local bus	HW54&ALSTN->FAYTTL&CORNWLLS'	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2005
72	local bus	DA VINC&HINSN->HORTN&HLNDL';	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	New	2008
73	local bus	HORTN&HLNDL->DA VINC&HINSN'	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	New	2008
74	local bus	15/501&SCARLTT->ACADMY&PICKT'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2008
75	local bus	ACADMY&PICKTT->15/501&SCARLT'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2008
76	local bus	N.PARK->WAKE FORES&SHERRON'	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	New	2008
77	local bus	WAKE FORES&SHERRON->N.PARK'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2008
78	local bus	Liggett Myer->TOREDG&SNOWHL'	DATA	15	30	\$817,500	\$8,534,700	\$9,352,200	New	2008
79	local bus	TOREDG&SNOWHL->Liggett Myer'	DATA	15	30	\$817,500	\$8,534,700	\$9,352,200	New	2008
80	local bus	S.SQ.MALL->N.PARK	DATA	15	30	\$981,000	\$10,241,640	\$11,222,640	New	2008
81	local bus	:N.PARK->S.SQ.MALL'	DATA	15	30	\$817,500	\$8,534,700	\$9,352,200	New	2008
82	local bus	n dur exp>leggett myers -501 snow hill	DATA	15	30	\$817,500	\$8,534,700	\$9,352,200	New	2008
83	local bus	n dur exp>501 snow hill - liggett myers	DATA	15	30	\$817,500	\$8,534,700	\$9,352,200	New	2008
84	local bus	:DA VINCI&HINSN->INFIN&ROXBR'	DATA	15	30	\$327,000	\$3,413,880	\$3,740,880	New	2008
85	local bus	INFIN&ROXBR->DA VINCI&HINSN'	DATA	15	30	\$327,000	\$3,413,880	\$3,740,880	New	2008
86	local bus	W.CAMPUS->E.CAMPUS	DUKE	10	20	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
87	local bus	E.CAMPUS->W.CAMPUS'	DUKE	10	20	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
88	local bus	DUKE E/CENT/W EB:W.->E.CAMPUS'	DUKE	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
89	local bus	T, ID=DUKE E/CENT/W WB:E.->W.CAMPUS	DUKE	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2008

No.	Service Type	Route Name (Description)	Transit Agency	Peak Headway	Off Peak Headway	Capital Cost - (2005 Dollars)	Total Operating & Maintenance (O&M) 2030	TOTAL COST (2005 Dollars)	Service	Year of Implementation
90	local bus	DUKE SCIENCE DR LOOP:CLOCKWISE',	DUKE	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
91	local bus	DUKE SCIENCE DR LOOP:COUNTER-CLOCKWISE',	DUKE	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
92	local bus	DUKE MED.CTR.->GREYSTONE',	DUKE	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
93	local bus	GREYSTONE->DUKE MED.CTR.',	DUKE	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
94	local bus	T_ID='DUKE MED 3 WITH STOP NB:ENTRY 11->PG3	DUKE	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
95	local bus	PG3->ENTRY 11	DUKE	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
96	local bus	DUKE HOSP N.->ERWIN SQ	DUKE	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
97	local bus	ERWIN SQ->DUKE HOSP N.	DUKE	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
98	local bus	RT LOT->ENTR 11',	DUKE	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
99	local bus	ENTR 11->RT LOT',	DUKE	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
100	local bus	:E.CAMPUS->DUKE VILLA	DUKE	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
101	local bus	DUKE VILLA->E.CAMPUS	DUKE	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2008
102	local bus	ROXBR&LAWSN->ALSTN STA',	NCCU	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2003
103	local bus	ALSTN STA->ROXBR&LAWSN',	NCCU	15	30	\$327,000	\$3,413,880	\$3,740,880	New	2008
104	local bus	CU CIRCULAR:FAYETT VILL:GEORG-MOLINE	NCCU	15	30	\$327,000	\$3,413,880	\$3,740,880	New	2008
105	local bus	DUKE MED.CTR.->S.PARK	TTA	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
106	local bus	S.PARK->DUKE MED.CTR.	TTA	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
107	local bus	airport assemblage clockwise	TTA	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2015
108	local bus	airport assemblage counter clockwise	TTA	15	30	\$327,000	\$3,413,880	\$3,740,880	Existing	2015
109	local bus	S.PK->SO-HI DR&ENFIELD DR',	TTA	15	30	\$817,500	\$8,534,700	\$9,352,200	Existing	2015
110	local bus	SO-HI DR&ENFIELD DR->S.PK',	TTA	15	30	\$817,500	\$8,534,700	\$9,352,200	Existing	2015
111	local bus	S.PARK->N.PARK'	TTA	15	30	\$654,000	\$6,827,760	\$7,481,760	Existing	2015
112	local bus	N.PARK->S.PARK	TTA	15	30	\$654,000	\$6,827,760	\$7,481,760	Existing	2015
113	local bus	MORRISVILLE->S.PARK',	TTA	15	30	\$654,000	\$6,827,760	\$7,481,760	Existing	2015
114	local bus	S.PARK->MORRISVILLE',	TTA	15	30	\$654,000	\$6,827,760	\$7,481,760	Existing	2015
115	local bus	MORRISVILLE->S.PARK	TTA	15	30	\$654,000	\$6,827,760	\$7,481,760	Existing	2015
116	local bus	S.PARK->MORRISVILLE	TTA	15	30	\$654,000	\$6,827,760	\$7,481,760	Existing	2015
117	local bus	MORRISVILLE->S.PARK	TTA	15	30	\$654,000	\$6,827,760	\$7,481,760	Existing	2015
118	local bus	:S.PARK->MORRISVILLE	TTA	15	30	\$654,000	\$6,827,760	\$7,481,760	Existing	2015

No.	Service Type	Route Name (Description)	Transit Agency	Peak Headway	Off Peak Headway	Capital Cost - (2005 Dollars)	Total Operating & Maintenance (O&M) 2030	TOTAL COST (2005 Dollars)	Service	Year of Implementation
119	local bus	S.SQUARE-woodcroft	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	Existing	2005
120	local bus	woodcroft-S.SQUARE	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	Existing	2005
121	local bus	D-TOWN->NC98/MN SPR	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2015
122	local bus	NC98/MN SPR->D-TOWN	DATA	10	20	\$817,500	\$7,112,250	\$7,929,750	Existing	2015
123	local bus	DATA 20 UNIV DR > RTP OB	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	New	2015
124	local bus	DARA 20 RTP > UNIV DR IB	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	New	2015
125	local bus	UNI DR->RTP	DATA	15	30	\$981,000	\$10,241,640	\$11,222,640	New	2015
126	local bus	UNI DR->RTP	DATA	15	30	\$981,000	\$10,241,640	\$11,222,640	New	2015
127	local bus	UNC->PITTSBORO	CHT	10	20	\$1,471,500	\$15,362,460	\$16,833,960		2015
128	local bus	PITTSBORO->UNC	CHT	10	20	\$1,471,500	\$15,362,460	\$16,833,960		2015
129	local bus	unc/nc54-friday ctr IB'	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
130	local bus	friday ctr-unc/nc54 OB'	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
131	local bus	54/farrton/barbee chapel loop'	CHT	10	20	\$1,635,000	\$17,069,400	\$18,704,400		2010
132	local bus	MEADOWMONT --> 15-501 & UNIV MALL	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
133	local bus	15-501 & UNIV MALL --> MEADOWMONT	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
134	duplicate							\$0		
135	duplicate							\$0		
136	local bus	unc-jack bennett IB', p&r shuttle	CHT	10	20	\$1,308,000	\$13,655,520	\$14,963,520		2015
137	local bus	jack bennett-unc OB', shuttle	CHT	10	20	\$1,308,000	\$13,655,520	\$14,963,520		2015
138	local bus	'D7SP SOUTHPOINT MALL: OB	DATA	10	20	\$1,308,000	\$13,655,520	\$14,963,520	Existing	2005
139	local bus	SPR SOUTHPOINT MALL: IB	DATA	10	20	\$1,308,000	\$13,655,520	\$14,963,520	Existing	2005
140	local bus	DTT EPA local: OB	DATA	10	20	\$1,471,500	\$15,362,460	\$16,833,960	New	2010
141	local bus	DTT EPA local: IB'	DATA	10	20	\$1,471,500	\$15,362,460	\$16,833,960	New	2010
142	local bus	NCCU CAMPUS: LOOP	DATA	10	20	\$327,000	\$3,413,880	\$3,740,880	Existing	2010
143	local bus	CENT MED PK WILLOWDALE: OB	DATA	10	20	\$1,308,000	\$13,655,520	\$14,963,520	Existing	2010
144	local bus	CENT MED PK WILLOWDALE: IB	DATA	10	20	\$1,308,000	\$13,655,520	\$14,963,520	Existing	2010
145	local bus	NC98 US70 SOUTH MIAMI: OB	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2010
146	local bus	NC98 US70 SOUTH MIAMI: IB	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2010
147	local bus	NORTHGATE RTP: INBOUND	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2010
148	local bus	NORTHGATE RTP: OUTBOUND	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2010
149	local bus	DUR REG HOSP DUKE MED CTR: OB'	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2010
150	local bus	DUR REG HOSP DUKE MED CTR: IB	DATA	10	20	\$817,500	\$8,534,700	\$9,352,200	Existing	2010
151	local bus	Jones Ferry P&R Exp	CHT	15	30	\$327,000	\$3,413,880	\$3,740,880		2005
152	local bus	Jones Ferry P&R Exp	CHT	15	30	\$327,000	\$3,413,880	\$3,740,880		2005

No.	Service Type	Route Name (Description)	Transit Agency	Peak Headway	Off Peak Headway	Capital Cost - (2005 Dollars)	Total Operating & Maintenance (O&M) 2030	TOTAL COST (2005 Dollars)	Service	Year of Implementation
153	local bus	BCBS Express	CHT	15	30	\$327,000	\$3,413,880	\$3,740,880		2005
154	local bus	BCBS Express	CHT	15	30	\$327,000	\$3,413,880	\$3,740,880		2005
155	local bus	DNTN DTECH SNOW OB	DATA	10	20	\$1,308,000	\$13,655,520	\$14,963,520	Existing	2010
156	local bus	DNTN DTECH SNOW IB	DATA	10	20	\$1,308,000	\$13,655,520	\$14,963,520	Existing	2010
157	local bus	NGATE RTP W OB	DATA	15	30	\$327,000	\$3,413,880	\$3,740,880	New	2010
158	local bus	NGATE RTP W IB	DATA	15	30	\$327,000	\$3,413,880	\$3,740,880	New	2010
159	local bus	NGATE RTP E OB	DATA	15	30	\$981,000	\$10,241,640	\$11,222,640	New	2010
160	local bus	NGATE RTP E IB	DATA	15	30	\$981,000	\$10,241,640	\$11,222,640	New	2010
161	local bus	DREGHOSP DUKE OB	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	New	2010
162	local bus	DREGHOSP DUKE IB	DATA	15	30	\$490,500	\$5,120,820	\$5,611,320	New	2010
163	local bus	DATA:Treyburn Shuttle loop'	DATA	15	30	\$981,000	\$10,241,640	\$11,222,640	New	2010
164	local bus	NE Loop Shuttle, OB'	DATA	15	30	\$817,500	\$8,534,700	\$9,352,200	New	2008
165	local bus	NE Loop Shuttle, IB'	DATA	15	30	\$817,500	\$8,534,700	\$9,352,200	New	2008
166	local bus	NW Loop Shuttle'	DATA	15	30	\$817,500	\$8,534,700	\$9,352,200	New	2008
167	local bus	DurRegHosp-Main, OB'	DATA	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
168	local bus	Main St-Dur Reg Hosp, IB'	DATA	10	20	\$490,500	\$5,120,820	\$5,611,320	Existing	2008
169	local bus	Orangefactoryrd-term, OB'	DATA	10	20	\$1,471,500	\$15,362,460	\$16,833,960	New	2008
170	local bus	Orangefactoryrd-term, IB'	DATA	10	20	\$1,471,500	\$15,362,460	\$16,833,960	New	2008
171	local bus	dur reghosp OB'	DATA	10	20	\$981,000	\$10,241,640	\$11,222,640	Existing	2008
172	local bus	dur reghosp IB'	DATA	10	20	\$981,000	\$10,241,640	\$11,222,640	Existing	2008
173	local bus	S SQUARE STA Shuttle OB'	DATA	15	30	\$654,000	\$6,827,760	\$7,481,760	New	2010
174	local bus	S SQUARE STA Shuttle IB'	DATA	15	30	\$654,000	\$6,827,760	\$7,481,760	New	2010
175	local bus	S SQUARE Feeder OB'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2020
176	local bus	S SQUARE Feeder IB'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2020
177	local bus	Dtwn Terminal Feeder OB'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2010
178	local bus	Dtwn Terminal Feeder IB'	DATA	10	20	\$490,500	\$5,120,820	\$5,611,320	New	2010
179	local bus	Dtwn Terminal Shuttle OB'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2010
180	local bus	Dtwn Terminal Shuttle IB'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2010
181	local bus	Joyner/Club/Duke OB'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2010
182	local bus	Joyner/Club/Duke IB	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2010
183	local bus	Meridian Pkwy feeder OB'	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2010
184	local bus	Meridian Pkwy feeder IB	DATA	10	20	\$654,000	\$6,827,760	\$7,481,760	New	2010

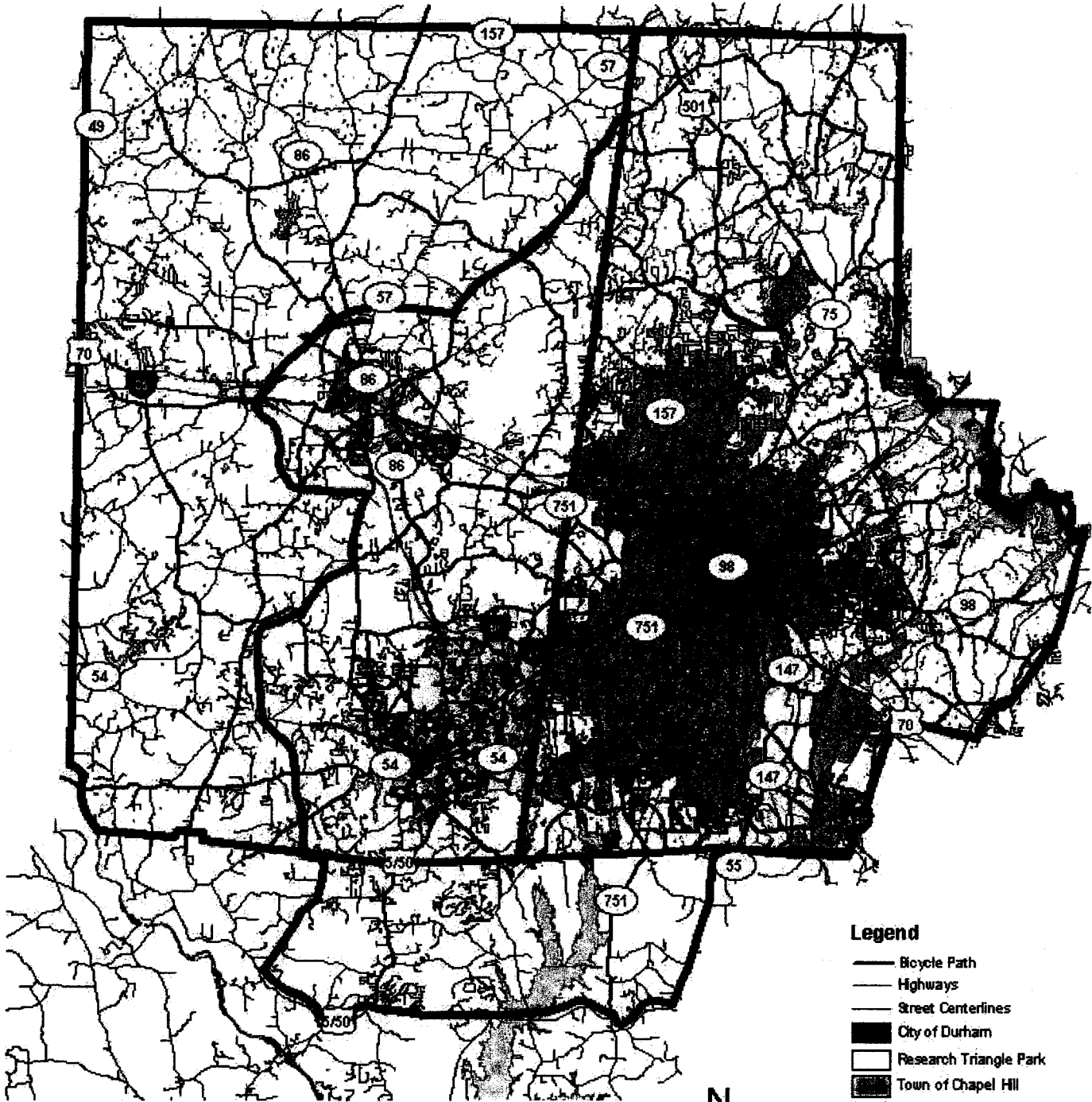
No.	Service Type	Route Name (Description)	Transit Agency	Peak Headway	Off Peak Headway	Capital Cost - (2005 Dollars)	Total Operating & Maintenance (O&M) 2005-2030	TOTAL COST (2005 Dollars)	Service	Year of Implementation
185	local bus	Woodcroft ShopCtr feeder OB,	DATA	10	20	\$327,000	\$3,413,880	\$3,740,880	New	2008
186	local bus	Woodcroft ShopCtr feeder IB	DATA	10	20	\$327,000	\$3,413,880	\$3,740,880	New	2008
187	local bus	Riddle Shuttle feeder OB	DATA	15	30	\$654,000	\$6,827,760	\$7,481,760	New	2008
188	local bus	Riddle Shuttle feeder IB	DATA	15	30	\$654,000	\$6,827,760	\$7,481,760	New	2008
189	local bus	H EXPRESS OUTBOUND	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320		2005
190	local bus	H EXPRESS INBOUND	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320		2005
191	local bus	V ROUTE OUTBOUND	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
192	local bus	V ROUTE INBOUND	CHT	10	20	\$817,500	\$8,534,700	\$9,352,200		2005
193	local bus	EU - loop SHUTTLE	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
194	local bus	BCBS PARK RIDE OUTBOUND	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
195	local bus	BCBS PARK RIDE INBOUND	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
196	local bus	A ROUTE OUTBOUND	CHT	10	20	\$1,144,500	\$11,948,580	\$13,093,080		2005
197	local bus	A ROUTE INBOUND	CHT	10	20	\$1,144,500	\$11,948,580	\$13,093,080		2005
198	local bus	JONES FERRY PARK RIDE OUTBOUND	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
199	local bus	JONES FERRY PARK RIDE INBOUND	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2005
200	feeder	Eubanks station 1a	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2020
201	feeder	Eubanks station 1b	CHT	10	20	\$654,000	\$6,827,760	\$7,481,760		2020
202	feeder	Eubanks station 2a	CHT	10	20	\$490,500	\$2,133,675	\$2,624,175		2020
203	feeder	Eubanks station 2b	CHT	10	20	\$490,500	\$2,133,675	\$2,624,175		2020
204	feeder	Meadowmont/Mason farm sta 1a	CHT	10	20	\$490,500	\$2,133,675	\$2,624,175		2020
205	feeder	Meadowmont/Mason farm sta 1b	CHT	10	20	\$490,500	\$2,133,675	\$2,624,175		2020
206	feeder	Meadowmont/Mason farm sta 2a	CHT	10	20	\$654,000	\$2,844,900	\$3,498,900		2020
207	feeder	Meadowmont/Mason farm sta 2b	CHT	10	20	\$654,000	\$2,844,900	\$3,498,900		2020
208	feeder	Meadowmont/Mason farm sta 3a	CHT	10	20	\$927,000	\$3,413,880	\$3,740,880		2020
209	feeder	Meadowmont/Mason farm sta 3b	CHT	10	20	\$927,000	\$3,413,880	\$3,740,880		2020
210	feeder	Meadowmont/Mason farm sta 3b ccw	CHT	10	20	\$327,000	\$3,413,880	\$3,740,880		2020
211	feeder	gateway station 1a	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320		2020
212	feeder	gateway station 1b	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320		2020
213	feeder	gateway station 2a	CHT	10	20	\$327,000	\$3,413,880	\$3,740,880		2020
214	feeder	gateway station 2b	CHT	10	20	\$327,000	\$3,413,880	\$3,740,880		2020
215	feeder	Horace Williams station 1a	CHT	10	20	\$327,000	\$1,422,450	\$1,749,450		2020
216	feeder	Horace Williams station 1b	CHT	10	20	\$327,000	\$1,422,450	\$1,749,450		2020
217	feeder	Horace Williams station 2a	CHT	10	20	\$327,000	\$1,422,450	\$1,749,450		2020

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218	feeder	horace williams station 2b	CHT	10	20	\$327,000	\$1,422,450	\$1,749,450		2020
219	feeder	horace williams station 3a	CHT	10	20	\$327,000	\$1,422,450	\$1,749,450		2020
220	feeder	horace williams station 3b	CHT	10	20	\$327,000	\$1,422,450	\$1,749,450		2020
221	feeder	horace williams station 4a	CHT	10	20	\$490,500	\$2,133,675	\$2,624,175		2020
222	feeder	horace williams station 4b	CHT	10	20	\$490,500	\$2,133,675	\$2,624,175		2020
223	feeder	carboro station 1a	CHT	10	20	\$327,000	\$1,422,450	\$1,749,450		2020
224	feeder	carboro station 1b	CHT	10	20	\$327,000	\$1,422,450	\$1,749,450		2020
225	feeder	carboro station 1c	CHT	10	20	\$490,500	\$2,133,675	\$2,624,175		2020
226	feeder	751 meadowmont 1b	CHT	10	20	\$490,500	\$2,133,675	\$2,624,175		2020
227	feeder	meadowmont-751 ob	CHT	10	20	\$490,500	\$2,133,675	\$2,624,175		2020
228	express bus	SPR F(At Spr)->WAKE F'	TTA	15	30	\$981,000	\$8,534,700	\$9,515,700		2015
229	express bus	WAKE F->SPR F(At Spr)	TTA	15	30	\$981,000	\$8,534,700	\$9,515,700		2015
230	express bus	Harrington Sta->CLAYTON	TTA	15	30	\$981,000	\$8,534,700	\$9,515,700		2015
231	express bus	CLAYTON->HARRINGTON	TTA	15	30	\$981,000	\$8,534,700	\$9,515,700		2015
232	express bus	:H->CH'	ORANGE	10	20	\$1,471,500	\$12,802,050	\$14,273,550		2015
233	express bus	CH->H'	ORANGE	10	20	\$1,471,500	\$12,802,050	\$14,273,550		2015
234	express bus	H->DUKE MED	TTA	10	20	\$1,308,000	\$13,655,520	\$14,963,520		2015
235	express bus	DUKE MED->H	TTA	10	20	\$1,308,000	\$13,655,520	\$14,963,520		2015
236	express bus	D-TWN->NIEHS/EPA	DATA	10	20	\$1,308,000	\$13,655,520	\$14,963,520	New	2008
237	express bus	NIEHS/EPA->D-TOWN	DATA	10	20	\$1,308,000	\$13,655,520	\$14,963,520	New	2008
238	express bus	UNC->HORAC WILLIAMS EXP	CHT	10	20	\$981,000	\$10,241,640	\$11,222,640		2010
239	express bus	UNC->HORAC WILLIAMS EXP	CHT	10	20	\$981,000	\$10,241,640	\$11,222,640		2010
240	express bus	SOUTH ORANGE EXPRESS	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320		2010
241	express bus	SOUTH ORANGE EXPRESS	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320		2010
242	express bus	laurel hill loop-meadowmont IB'	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320		2015
243	express bus	meadowmont-laurel hill loop OB'	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320		2015
244	express bus	UNC->HILLSBORO EXPRESS	CHT	10	20	\$1,471,500	\$15,362,460	\$16,833,960		2015
245	express bus	UNC->HILLSBORO EXPRESS	CHT	10	20	\$1,471,500	\$15,362,460	\$16,833,960		2015
246	express bus	:GOVERNOR PLACE EXPRESS	CHT	10	20	\$1,144,500	\$11,948,580	\$13,093,080		2015
247	express bus	GOVERNOR PLACE EXPRESS	CHT	10	20	\$1,144,500	\$11,948,580	\$13,093,080		2015
248	express bus	SOUTHERN VILLAGE->UNC	CHT	10	20	\$327,000	\$3,413,880	\$3,740,880		2015
249	express bus	SOUTHERN VILLAGE->UNC	CHT	10	20	\$327,000	\$3,413,880	\$3,740,880		2015

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260	express bus	MASON FARM-AIRPRT-HORAC WMS	CHT	10	20	\$981,000	\$10,241,640	\$11,222,640		2015
261	express bus	HORAC WMS AIRPORT-MASON FAM	CHT	10	20	\$981,000	\$10,241,640	\$11,222,640		2015
262	express bus	UNC-->H Williams-->Timberlyne, OB [CH7]	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320		2015
263	express bus	UNC-->H Williams-->Timberlyne, OB [CH7]	CHT	10	20	\$490,500	\$5,120,820	\$5,611,320		2015
266	express bus	GREEN LINE EXP OB	TTA	15	30	\$981,000	\$10,241,640	\$11,222,640		2015
267	express bus	GREEN LINE EXP IB	TTA	15	30	\$981,000	\$10,241,640	\$11,222,640		2015
268	express bus	HILLS-DURHAM EXP OB	TTA	15	30	\$981,000	\$10,241,640	\$11,222,640		2015
269	express bus	HILLS-DURHAM EXP IB	TTA	15	30	\$981,000	\$10,241,640	\$11,222,640		2015
270	express bus	DURHAM CH EXP OB	TTA	15	30	\$981,000	\$10,241,640	\$11,222,640		2020
271	express bus	DURHAM CH EXP IB	TTA	15	30	\$981,000	\$10,241,640	\$11,222,640		2020
272	express bus	CHAP HILL-RTP EXP OB	TTA	15	30	\$654,000	\$6,827,760	\$7,481,760		2020
273	express bus	CHAP HILL-RTP EXP IB	TTA	15	30	\$654,000	\$6,827,760	\$7,481,760		2020
274	express bus	N. CHAP HILL-RTP EXP OB	TTA	15	30	\$817,500	\$8,534,700	\$9,352,200		2015
275	express bus	N. CHAP HILL-RTP EXP IB	TTA	15	30	\$817,500	\$8,534,700	\$9,352,200		2015
276	express bus	TREYBURN EXP OB	TTA	15	30	\$817,500	\$8,534,700	\$9,352,200		2015
277	express bus	TREYBURN EXP IB	TTA	15	30	\$817,500	\$8,534,700	\$9,352,200		2015
278	express bus	DUKE-S.PARK STAT EXP OB	TTA	15	30	\$981,000	\$10,241,640	\$11,222,640		2015
279	express bus	DUKE-S.PARK STAT EXP IB	TTA	15	30	\$981,000	\$10,241,640	\$11,222,640		2015
280	express bus	DNTN DUR-STALLNGS EXP OB	TTA	15	30	\$654,000	\$6,827,760	\$7,481,760		2015
281	express bus	DNTN DUR-STALLNGS EXP IB	TTA	15	30	\$490,500	\$5,120,820	\$5,611,320		2015
282	express bus	N GATE-S POINT EXP OB	TTA	15	30	\$817,500	\$8,534,700	\$9,352,200		2015
283	express bus	N GATE-S POINT EXP IB	TTA	15	30	\$817,500	\$8,534,700	\$9,352,200		2015
284	express bus	Gateway to Horace Williams	CHT	10	20	\$817,500	\$8,534,700	\$9,352,200		2015
285	express bus	Horace Williams to Gateway	CHT	10	20	\$981,000	\$10,241,640	\$11,222,640		2015
286	express bus	NC 54/140 HOV Express Bus		10	20	\$1,635,000	\$22,759,200	\$24,394,200		2010
1	park & ride	Mason Farm PR Lot (500 spaces)	CHT			\$1,174,475		\$1,174,475		2015
2	park & ride	Friday Center PR Lot (500 spaces)	CHT			\$1,174,475		\$1,174,475		2005
3	park & ride	University Lake PR Lot (500 spaces)	CHT			\$1,174,475		\$1,174,475		2005
4	park & ride	US 15-501 South PR Lot (500 spaces)	CHT			\$1,174,475		\$1,174,475		2015

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5	park & ride	Horace Williams North Lot (500 spaces)	CHT			\$1,174,475		\$1,174,475		2015
6	park & ride	US 15-501 North PR Lot (500 spaces)	CHT			\$1,174,475		\$1,174,475		2020
7	park & ride	Governor's Village Lot (500 spaces)	CHT			\$1,174,475		\$1,174,475		2015
8	park & ride	Hillsborough (I-40/I85) (250 spaces)	Orange			\$587,238		\$587,238		2015
9	park & ride	Treyburn- North Durham P&R (500 spaces)	DATA			\$1,174,475		\$1,174,475		2015
10	park & ride	NC 98 P&R (500 spaces)	DATA			\$1,174,475		\$1,174,475		2020
11	park & ride	I-85 Granville (250 spaces)	DATA			\$587,238		\$587,238		2015
+	park & ride	NC 54 at I-40 (500 spaces)	54 corridor			\$1,174,475		\$1,174,475		2015
+	park & ride	NC 54 at SouthPoint (500 spaces)	54 corridor			\$1,174,475		\$1,174,475		2015
+	park & ride	US Hwy 64 Bypass at US 15501 (500 spaces)	Chatham			\$1,174,475		\$1,174,475		2015
+	park & ride	Chatham Crossing at US 15501 (500 spaces)	Chatham			\$1,174,475		\$1,174,475		2020
+	park & ride	Bynum at US 15501 (250 spaces)	Chatham			\$587,238		\$587,238		2020
						\$17,029,888		\$17,029,888		
1	Amenities	Bus shelters, benches, etc	All			\$23,980,000		\$23,980,000		
2	Building	Chapel Transit Facility/Downtown Transfer Center				\$31,610,000		\$31,610,000		
	Building	DATA Facility & Downtown Multimodal Center				\$26,064,331		\$26,064,331		
						\$292,104,718	\$1,960,847,325			

Durham-Chapel Hill-Carrboro Metropolitan Planning Area 2030 Long Range Transportation Plan Recommended Bicycle Component



Map prepared by Transportation OIB on June 17, 2004.

Information depicted hereon is for reference purposes only and is compiled from the best available sources. The City of Durham/Durham County assumes no responsibility for errors arising from the misuse of this map.



Legend

- Bicycle Path
- Highways
- Street Centerlines
- City of Durham
- Research Triangle Park
- Town of Chapel Hill
- Town of Carrboro
- Town of Hillsborough
- Lakes, Rivers, Streams
- DCHC MPO Boundary
- County Boundary

DCHC MPO Bicycle/Pedestrian Investments 2030 LRTP

No.	Facility Description CITY/COUNTY	Begin Segment (Limits from)	End Segment (Limits to)	Facility Type	County	Total Cost	Length	Municipality
1	Academy Rd. (NC 751)	Cameron Blvd.	University Dr.	Bike lanes	Durham	\$305,200	1.7	City/County
2	Alston Ave.(SR 1945)	Holloway St.	Wake County line	Bike lanes	Durham	\$1,667,700	9.3	City/County
3	American Tobacco Trail	Morehead Ave.	Chatham County	Bike Path	Durham	\$2,500,000	8.7	City/County
4	Angier Ave. (SR 1926)	Briggs Ave.	S. Miami Blvd.	Bike lanes	Durham	\$588,600	3.3	City/County
5	Angier Ave. (SR 1926)	Miami Blvd.	US 70	Bike lanes	Durham	\$141,700	1.2	City/County
6	Bahama Rd. (SR 1616)	Person County line	US 501	Bike lanes	Durham	\$981,000	8.6	City/County
7	Barbee Chapel Rd. (SR 1110)	Farrington Rd.	NC 54	Bike lanes	Durham	\$283,400	1.6	City/County
8	Barbee Rd.	Hemdon Rd.	Fayetteville Rd.	Bike lanes	Durham	\$523,200	2.9	City/County
9	Bill Poole Rd. (SR 1470)	Orange County line	US 501	Bike lanes	Durham	\$392,400	2.2	City/County
10	Bivins Rd. (SR 1453)	Orange County line	Urnstead Rd.	Bike lanes	Durham	\$555,900	3.1	City/County
11	Briggs Ave.	Riddle Rd.	Holloway St.	Bike lanes	Durham	\$381,500	2.1	City/County
12	Briggs Ave. Ext.	Riddle Rd.	So-Hi Dr.	Bike lanes	Durham	\$196,200	1.1	City/County
13	Broad St.(SR 1322)	Main St.	Carver St.	Bike lanes	Durham	\$468,700	2.6	City/County
14	Burton Rd. (SR 1818)	East Geer St.	Cheek Rd.	Bike lanes	Durham	\$250,700	1.4	City/County
15	Cameron Blvd. (NC 751)	Orange County line	Academy Rd.	Bike lanes	Durham	\$643,100	3.6	City/County
16	Carpenter Fletcher Rd.	Woodcroft Pkwy	Alston Ave.	Bike lanes	Durham	\$130,800	0.7	City/County
17	Carpenter Pond Rd. (SR 1901)	Wake County line	Wake County line	Bike lanes	Durham	\$1,002,800	5.6	City/County
18	Carver St. (SR 1407)	Rose of Sharon Rd.	US 501	Bike lanes	Durham	\$719,400	4	City/County
19	Cassam Rd. (SR 1622)	Range Rd.	Old Oxford Hwy.	Bike lanes	Durham	\$686,700	3.8	City/County
20	Chandler Rd.	Ross Rd. to	NW Parkway/Loop	Bike lanes	Durham	\$163,500	0.9	City/County
21	Cheek Rd. (SR 1800)	East Geer St.	Wake County line	Bike lanes	Durham	\$1,526,000	8.5	City/County
22	Chin Page Rd. (SR 1969)	S. Miami Blvd.	Page Rd.	Bike lanes	Durham	\$272,500	1.5	City/County
23	Club Blvd. (SR 1669)	Hillandale Rd.	Glenn School Rd.	Bike lanes	Durham	\$948,300	5.3	City/County
24	Cole Mill Rd. (SR 1401)	Orange County line	Hillsborough Rd.	Bike lanes	Durham	\$773,900	4.3	City/County
25	Cornwallis Rd. (SR 1308, 1158, 1118,	Orange County line	S. Miami Blvd.	Bike lanes	Durham	\$2,027,400	11.3	City/County
26	Davis Dr. (SR 1999)	Cornwallis Rd.	Wake County line	Bike lanes	Durham	\$501,400	2.8	City/County
27	Dearborn Dr. (SR 1666)	Club Blvd.	Old Oxford Hwy.	Bike lanes	Durham	\$283,400	1.6	City/County
28	Downtown Loop	entire	entire	Bike lanes	Durham	\$228,900	1.3	City/County
29	Duke St.	US 501	Lakewood Ave.	Bike lanes	Durham	\$850,200	4.7	City/County
30	Duke University Rd.	Cameron Blvd.	Swift Ave.	Bike lanes	Durham	\$196,200	1.1	City/County
31	East Geer St. (SR 1670, SR 1827)	Ferrell Rd.	Red Mill Rd.	Bike lanes	Durham	\$185,300	1	City/County
32	East Geer St. / Geer St. (SR 1670)	Club Blvd.	Mangum St.	Bike lanes	Durham	\$610,400	3.4	City/County
33	Ellis Rd. (SR 1954)	So-Hi Dr.	S. Miami Blvd.	Bike lanes	Durham	\$327,000	1.8	City/County
34	Emperor Boulevard	NC 54	Page Rd.	Bike lanes	Durham	\$196,200	1.1	City/County
35	Ephesus Church Rd. (SR 1113)	Farrington Rd.	Orange County line	Bike lanes	Durham	\$163,500	0.9	City/County
36	Erwin Rd. (SR 1306)	Cameron Blvd.	Orange County line	Bike lanes	Durham	\$414,200	2.3	City/County

DCHC MPO Bicycle/Pedestrian Investments 2030 LRTP

	Erwin Rd. (SR 1320)	Cameron Blvd.	Main St.	Bike lanes	Durham	\$414,200	2.3	City/County
37	Erwin Rd. (SR 1320)	Cameron Blvd.	Main St.	Bike lanes	Durham	\$414,200	2.3	City/County
38	Farrington Mill Rd. (SR 1109)	Barbee Chapel Rd.	Chatham County line	Bike lanes	Durham	\$381,500	2.1	City/County
39	Farrington Rd. (SR 1110)	Old Chapel Hill Rd.	Stagecoach Rd.	Bike lanes	Durham	\$752,100	4.2	City/County
40	Fayetteville St. (SR 1118)	Cornwallis Rd.	Liberty St.	Bike lanes	Durham	\$664,900	3.7	City/County
41	Ferrell Rd. (SR 1671)	Glenn School Rd.	East Geer St.	Bike lanes	Durham	\$250,700	1.4	City/County
42	Fulton St.	Hillandale Rd.	Erwin Rd.	Bike lanes	Durham	\$76,300	0.4	City/County
43	Garrett Rd. (SR 1116)	Pickett Rd.	Hope Valley Rd.	Bike lanes	Durham	\$741,200	4.1	City/County
44	Glover Rd. (SR 1940)	Ellis Rd.	Angier Ave.	Bike lanes	Durham	\$218,000	1.2	City/County
45	Grandale Dr. (SR 1100)	Scott King Rd.	Sedwick Rd.	Bike lanes	Durham	\$76,300	0.4	City/County
46	Gregson St.	Club Blvd.	Lakewood Ave.	Bike lanes	Durham	\$250,700	1.4	City/County
47	Guess Rd. (NC 157, Buchanan Blvd.)	Orange County line	W. Chapel Hill St.	Bike lanes	Durham	\$1,562,363	12.2	City/County
48	Hamlin Rd. (SR 1634)	Red Mill Rd.	Old Oxford Hwy.	Bike lanes	Durham	\$610,400	3.4	City/County
49	Hampton Rd. (SR 1603)	Red Mountain Rd.	Range Rd.	Bike lanes	Durham	\$795,700	4.4	City/County
50	Hillandale Rd.	Rose of Sharon Rd.	Fulton St.	Bike lanes	Durham	\$664,900	3.7	City/County
51	Hillsborough Rd.	Cole Mill Rd.	Ninth St.	Bike lanes	Durham	\$643,100	3.6	City/County
52	Hope Valley Rd. (NC 751)	Cornwallis Rd.	NC 54	Bike lanes	Durham	\$752,100	4.2	City/County
53	Hopkins Rd. (SR 1466)	Rougemont Rd.	Orange County line	Bike lanes	Durham	\$555,900	3.1	City/County
54	Hopson Ave. (SR 1978)	Alston Ave.	NC 54	Bike lanes	Durham	\$468,700	2.6	City/County
55	Horton Rd. (SR 1443)	Duke St.	Hillandale Rd.	Bike lanes	Durham	\$359,700	2	City/County
56	Infinity Rd. (SR 1639)	US 501	Snow Hill Rd.	Bike lanes	Durham	\$501,400	2.8	City/County
57	Johnson Mill Rd. (SR 1461)	South Lowell Rd.	Mason Rd.	Bike lanes	Durham	\$632,200	3.5	City/County
58	Junction Rd. (SR 1838)	NC 98	Ferrell Rd.	Bike lanes	Durham	\$490,500	2.7	City/County
59	Kemp Rd. (SR 1902)	NC 98	Wake County line	Bike lanes	Durham	\$664,900	3.7	City/County
60	Kerley Rd. (SR 1304)	Orange County line	Erwin Rd.	Bike lanes	Durham	\$76,300	0.4	City/County
61	Kerley Rd. (SR 1309)	NC 751	W. Cornwallis Rd.	Bike lanes	Durham	\$130,800	0.7	City/County
62	Lakewood Ave.	Roxboro Rd.	University Dr.	Bike lanes	Durham	\$76,300	0.4	City/County
63	Latta Rd. (SR 1448)	Guess Rd.	US 501	Bike lanes	Durham	\$218,000	1.2	City/County
64	Leesville Rd. (SR 1906)	Carpenter Pond Rd.	NW Parkway/Loop Rd.	Bike lanes	Durham	\$305,200	1.7	City/County
65	Lumley Road	Miami Blvd.	Wake County line	Bike lanes	Durham	\$141,700	0.8	City/County
66	Lynn Rd.	NC 98	Gibson Rd.	Bike lanes	Durham	\$130,800	0.7	City/County
67	Lyon St.	Broad St.	Washington St.	Bike lanes	Durham	\$163,500	0.9	City/County
68	Main St.	Ninth St.	Alston Ave.	Bike lanes	Durham	\$436,000	2.4	City/County
69	Mangum St.	Markham Ave.	Lakewood Ave.	Bike lanes	Durham	\$283,400	1.6	City/County
70	Mason Rd. (SR 1002)	US 501	Guess Rd.	Bike lanes	Durham	\$436,000	2.4	City/County
71	Massey Chapel Rd. (SR 1192, 1106)	Fayetteville Rd.	Herdon Rd.	Bike lanes	Durham	\$337,900	1.9	City/County
72	Midland Terrace (and extension) (SR	Cheek Rd.	Club Blvd.	Bike lanes	Durham	\$327,000	1.8	City/County
73	Mineral Springs Rd. (SR 1815)	S. Miami Blvd.	Sherron Rd.	Bike lanes	Durham	\$54,500	0.3	City/County
74	MLK Jr. Pkwy	University Dr.	NC 55	Bike lanes	Durham	\$135,705	5	City/County

DCHC MPO Bicycle/Pedestrian Investments 2030 LRTP

Line Item	Project Description	Location	County	Route	Project Type	City/County	Estimated Cost	Priority	City/County
115	T.W. Alexander Dr. (SR 2028)	NC 55	Wake	County line	Bike lanes	Durham	\$795,700	7.3	City/County
116	Umstead Rd. (SR 1449)	Guess Rd.	Wake	Mill Rd.	Bike lanes	Durham	\$610,400	3.4	City/County
117	University Dr. (US 15/501 Bus)	Lakewood Ave.	Wake	Garrett Rd.	Bike lanes	Durham	\$523,200	4.8	City/County
118	US 15/501	Orange County line	Wake	University Dr.	Bike lanes	Durham	\$882,900	4.9	City/County
119	US 501 (Roxboro Rd., Roxboro St., US	Person County line	Wake	Lakewood Ave.	Bike lanes	Durham	\$2,038,300	18.7	City/County
120	US 70	Angier Ave.	Wake	Wake County line	Bike lanes	Durham	\$130,800	1.2	City/County
121	W. Chapel Hill St.	Duke University Rd.	Wake	Duke St.	Bike lanes	Durham	\$163,500	0.9	City/County
122	Washington St.	Lyon St.	Wake	Corporation St.	Bike lanes	Durham	\$272,500	1.5	City/County
123	Wilkins Rd. (SR 1612)	Red Mountain Rd.	Wake	Bahama Rd.	Bike lanes	Durham	\$414,200	2.3	City/County
124	Woodcroft Pkwy	Hope Valley Rd.	Wake	Carpenter Fletcher Rd.	Bike lanes	Durham	\$414,200	3.8	City/County
CHAPEL HILL/CARRBORO							\$	399.4	
1	Bolin Creek Bikeway	CHPD	Orange	Community Center	Bike lanes	Orange	\$196,200	1.1	CH
2	Booker Creek Rd	Honeysuckle Rd.	Orange	Old Oxford Rd.	Bike lanes	Orange	\$76,300	0.4	CH
3	Boundary St.	Country Club Rd.	Orange	Rosemary St.	Bike lanes	Orange	\$76,300	0.4	CH
4	Burning Tree Rd./Pinehurst Dr.	NC 54	Orange	Ephesus Church Rd.	Bike lanes	Orange	\$359,700	2.0	CH
5	Cameron Ave.	Pittsboro St.	Orange	Raleigh St.	Bike lanes	Orange	\$87,200	0.5	CH
6	Caswell-Sedgefield Dr.	Estes Dr.	Orange	Weaver Dairy Rd.	Bike lanes	Orange	\$392,400	2.2	CH
7	Culbreth Rd.	Smith Level Rd.	Orange	US 15-501 South	Bike lanes	Orange	\$196,200	1.1	CH
8	Curtis/Lakeshore/Honeysuckle	Estes Dr.	Orange	Weaver Dairy Rd.	Bike lanes	Orange	\$54,500	0.3	CH
9	Elliott Rd.	Curtis Rd.	Orange	E. Franklin St.	Bike lanes	Orange	\$130,800	0.7	CH
10	Ephesus Church Rd.	US 15-501	Orange	Farrington Rd.	Bike lanes	Orange	\$381,500	2.1	CH
11	Erwin Rd.	Weaver Dairy Rd.	Orange	Durham Co. line	Bike lanes	Orange	\$163,500	0.9	CH
12	Estes Dr.	US 15-501	Orange	N. Greensboro St.	Bike lanes	Orange	\$664,900	3.7	CH
13	Eubanks Rd.	Old NC 86	Orange	NC 86	Bike lanes	Orange	\$468,700	2.6	CH
14	Finley GC/Mason Farm Rds.	NC 54 East	Orange	NC 54 Bypass	Bike lanes	Orange	\$250,700	1.4	CH
15	Fordham Blvd.	Old Durham-CH Rd.	Orange	Culbreth Rd.	Bike lanes	Orange	\$915,600	5.1	CH
16	Franklin St.	Boundary St.	Orange	Old Durham CH-Rd.	Bike lanes	Orange	\$523,200	2.9	CH
17	Homestead Rd.	Airport Rd.	Orange	Old NC 86	Bike lanes	Orange	\$54,500	0.3	CH
18	Manning Dr.	NC 54 Bypass	Orange	S. Columbia St.	Bike lanes	Orange	\$218,000	1.2	CH
19	Mason Farm Rd.	Fordham Blvd.	Orange	S. Columbia St.	Bike lanes	Orange	\$218,000	1.2	CH
20	Merritt Mill Rd.	Cameron Ave.	Orange	NC 54 Bypass	Bike lanes	Orange	\$141,700	0.8	CH
21	Mt. Carmel Church Rd.	Chatham Co. line	Orange	Pittsboro Rd. (15501?)	Bike lanes	Orange	\$446,900	2.5	CH
22	NC 86	Columbia St.	Orange	Whitfield Rd.	Bike lanes	Orange	\$773,900	4.3	CH
23	Old Oxford Rd.	Old Oxford Rd.	Orange	to Erwin Rd.	Bike lanes	Orange	\$76,300	0.4	CH
24	Pinehurst Dr.	Pinehurst Dr.	Orange	Ephesus Church Rd.	Bike lanes	Orange	\$76,300	0.4	CH
25	Piney Mountain/Cedar Hills Cr.	Airport Rd.	Orange	Weaver Dairy Rd.	Bike lanes	Orange	\$392,400	2.2	CH
26	Pittsboro St.	Cameron Ave.	Orange	S. Columbia St.	Bike lanes	Orange	\$76,300	0.4	CH

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27	Rogers Rd.	Homestead Rd.	Eubanks Rd.	Bike lanes	Orange	\$218,000	1.2	CH
28	Rosemary St.	Boundary St.	Carrboro city limits	Bike lanes	Orange	\$250,700	1.4	CH
29	Seawell School Rd.	Homestead Rd.	Estes Dr.	Bike lanes	Orange	\$272,500	1.5	CH
30	South Columbia Rd.	Airport Rd.	US 15-501 Bypass	Bike lanes	Orange	\$32,700	0.2	CH
31	South Raleigh Rd. (NC 54)	Country Club Rd.	Durham Co. line	Bike lanes	Orange	\$76,300	0.4	CH
32	South Rd./Raleigh Rd.	S. Columbia St.	Burning Tree Rd.	Bike lanes	Orange	\$381,500	2.1	CH
33	Sunrise Dr.	Whitfield Rd.	Weaver Dairy Rd.	Bike lanes	Orange	\$228,900	1.3	CH
34	Umstead Dr.	Estes Dr.	Airport Rd.	Bike lanes	Orange	\$185,300	1.0	CH
35	US 15501 Corridor	Old Durham CH-Rd.	Durham Co. line	Bike lanes	Orange	\$54,500	0.3	CH
36	US 15501 South	NC 54 Bypass	Chatham County Line	Bike lanes	Orange	\$87,200	0.5	CH
37	Weaver Dairy Rd.	NC 86	Erwin Rd.	Bike lanes	Orange	\$76,300	0.4	CH
38	Weaver Dairy Rd. Ext.	Homestead Rd.	NC 86	Bike lanes	Orange	\$228,900	1.3	CH
						\$ 9,504,800	53	
ORANGE COUNTY/HILLSBOROUGH								
1	Ben Johnston Rd.	US 70/I-85 Connector	Dimmocks Mill Rd.	4' shoulders	Orange	\$294,300	1.7	Orange Co.
2	Brookhollow Rd.	Forrest Ave.	Lebanon Rd.	4' shoulders	Orange	\$283,400	1.6	Orange Co.
3	Buckhorn Rd.	Orange Grove Rd.	West Ten Rd.	4' shoulders	Orange	\$1,220,800	7.0	Orange Co.
4	Butler Rd.	NC 54	White Cross Rd.	4' shoulders	Orange	\$174,400	1.0	Orange Co.
5	Calvin St./Oconneechee/Margaret Ln.	Nash St.	Cameron St.	shared	Orange	\$0	0.9	Hillsborough
6	Cameron St.	Margaret Ln.	St. Mary's Rd.	shared	Orange	\$0	0.1	Hillsborough
7	Carr Store Rd.	NC 49	NC 86	4' shoulders	Orange	\$1,155,400	6.6	Orange Co.
8	Churton St.	Eno River	US 70 Bypass	shared	Orange	\$0	0.9	Hillsborough
9	Coleman Loop SR1334	Frank Perry Rd.	NC 86	4' shoulders	Orange	\$119,900	0.7	Hillsborough
10	Cornwallis Rd.	Durham County Line	Murphy School Rd.	4' shoulders	Orange	\$283,400	1.6	Orange Co.
11	Dairyland Rd.	Carrboro (Union Grove Ch. Rd.)	Orange Grove Rd.	4' shoulders	Orange	\$1,079,100	6.2	Orange Co.
12	Dimmocks Mill Rd.	Eno St.	I-40/I-85	shared	Orange	\$0	1.8	Hillsborough
13	Dimmocks Mill Rd.	I-40/I-85	Orange Grove Rd.	4' shoulders	Orange	\$370,600	2.1	Orange Co.
14	Dodsons Crossroads	Orange Grove Rd.	NC 54	4' shoulders	Orange	\$1,079,100	6.2	Orange Co.
15	Efland-Cedar Grove Rd.	Highland Farm Rd.	Carr Store Rd.	4' shoulders	Orange	\$283,400	1.6	Orange Co.
16	Elizabeth Brady Rd. & Ext.	US 70 A	St. Mary's Rd.	bike lanes	Orange	\$228,900	1.3	Hillsborough
17	Eno Mt. Rd.	Dimmocks Mill Rd.	Orange Grove Rd.	4' shoulders	Orange	\$141,700	0.8	Hillsborough
18	Exchange Park Ln.	Churton St.	Orange Grove Rd.	shared	Orange	\$0	0.6	Hillsborough
19	Faucette Mill Rd.	US 70 Bypass	Thompson Ct.	shared	Orange	\$0	0.6	Hillsborough
20	Faucette Mill Rd.	Thompson Ct.	Frank Perry Rd.	4' shoulders	Orange	\$228,900	1.3	Orange Co.
21	Forrest Ave.	Mt. Willing Rd.	Brookhollow Rd.	4' shoulders	Orange	\$21,800	0.1	Orange Co.
22	Frank Perry Rd.	Faucette Mill Rd.	Coleman Loop SR1332	4' shoulders	Orange	\$228,900	1.3	Orange Co.
23	Hassel St.	Margaret Ln.	Corbin St.	shared	Orange	\$0	0.7	Hillsborough
24	Highland Farm Rd.	Coleman Loop Rd.	Efland-Cedar Grove Rd.	4' shoulders	Orange	\$545,000	3.1	Orange Co.
25	Jones Ferry Rd.	Carrboro (Edmister Ln)	Chatham County Line	4' shoulders	Orange	\$719,400	4.1	Orange Co.

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26	Lakeshore/Brownville/Bellvue/Eno	Latimer St.	Dimmocks Mill Rd.	shared	Orange	\$0	0.7	Hillsborough
27	Latimer St.	Nash St.	Lake Shore Dr.	shared	Orange	\$0	0.3	Hillsborough
28	Lawndale Ave.*	Torain St.**	Orange High School**	shared	Orange	\$0	0.8	Hillsborough
29	Lawrence Rd.	Old NC 10	St. Mary's Rd.	4' shoulders	Orange	\$490,500	2.8	Orange Co.
30	Lebanon Rd.	Brookhollow Rd.	Mill Creek Rd.	4' shoulders	Orange	\$752,100	4.3	Orange Co.
31	Mayo St.	Orange Grove Rd.	Churton St.	bike lane	Orange	\$32,700	0.2	Hillsborough
32	Mt. Herman Church Rd.	Murphey School Rd.	US 70	4' shoulders	Orange	\$316,100	1.8	Orange Co.
33	Mt. Sinai Rd.	NC 86	Durham County Line	4' shoulders	Orange	\$850,200	4.9	Orange Co.
34	Mt. Willing Rd.	West Ten Rd.	Forrest Ave.	4' shoulders	Orange	\$109,000	0.6	Orange Co.
35	Nash St.	Revere Rd.	Eno St.	shared	Orange	\$0	1.0	Hillsborough
36	NC 751	US 70	Durham County	4' shoulders	Orange	\$119,900	0.7	Orange Co.
37	NC 86 N	US 70 Bypass	Coleman Loop SR1334	shared	Orange	\$0	3.3	Hillsborough
38	NC 86	I 40	US 70 Business	4' shoulders	Orange	\$1,242,600	7.1	Orange Co.
39	New Sharon Church Rd.	St. Mary's Rd.	NC 157 (Guess Rd.)	4' shoulders	Orange	\$1,242,600	7.1	Orange Co.
40	Oakdale Dr.	Old NC 86/Churton St	Orange Grove Rd.	4' shoulders	Orange	\$196,200	1.1	Hillsborough
41	Old Greensboro Rd.	Carboro (Sturbridge Ln.	Alamance County line	4' shoulders	Orange	\$1,678,600	9.6	Orange Co.
42	Old NC 86	Eubanks Rd.	Oakdale Dr.	4' shoulders	Orange	\$1,068,200	6.1	Orange Co.
43	Orange Grove Rd.	Dairyland Rd.	Buckhorn Rd.	4' shoulders	Orange	\$54,500	0.3	Orange Co.
44	Orange Grove Rd.	Old NC 86/Churton St.	Dodsons Crossroads	4' shoulders	Orange	\$926,500	5.3	Hillsborough
45	Pleasant Green Rd.	US 70	St. Mary's Rd.	4' shoulders	Orange	\$1,024,600	5.9	Orange Co.
46	Revere Rd./Corbin St.*	US 70 Bypass	Orange High School*	shared	Orange	\$0	1.7	Hillsborough
47	Sawmill Rd.	NC 86	Walnut Grove Church Rd.	4' shoulders	Orange	\$327,000	1.9	Orange Co.
48	Schley Rd.	St. Mary's Rd.	Walnut Grove Church Rd.	4' shoulders	Orange	\$1,689,500	9.7	Orange Co.
49	St. Mary's Rd.	Margaret Ln.	US 70 Bypass	shared	Orange	\$0	1.2	Hillsborough
50	St. Mary's Rd.	US 70 Bypass	New Sharon Ch. Rd.	4' shoulders	Orange	\$261,600	1.5	Orange Co.
51	US 70 Business*	Churton St.*	Lawrence Rd.	4' shoulders	Orange	\$348,800	2.0	Hillsborough
52	US 70 Bypass	NC 86	I-85 exit 170	4' shoulders	Orange	\$1,308,000	7.5	Orange Co.
53	US 70/85 Connector	West Ten Rd.	Ben Johnston Rd.	4' shoulders	Orange	\$109,000	0.6	Orange Co.
54	Walnut Grove Church Rd.	NC 86	Person County line	4' shoulders	Orange	\$1,427,900	8.2	Orange Co.
55	West Ten Rd.	US 70/85 Connector	Mattress Factory Rd.	4' shoulders	Orange	\$850,200	4.9	Orange Co.
56	Western Bypass	US 70 Bypass	NC 57	4' shoulders	Orange	\$490,500	2.8	Hillsborough
57	White Cross Rd.	Butler Rd.	Chatham County line	4' shoulders	Orange	\$577,700	3.3	Orange Co.
58	Whitfield Rd.	NC 86	Erwin Rd.	4' shoulders	Orange	\$588,600	3.4	Orange Co.
						\$ 26,541,500	167	
CARRBORO								
1	Bolin Creek Greenway Trail	Estes Dr.	Homestead Road	Multi-Use Pa	Orange	\$834,300	2.3	Carrboro
2	Bolin Creek Greenway Trail	Homestead Road	Lake Hogan Farms	Multi-Use Pa	Orange	\$412,000	1.0	Carrboro
3	Bolin Creek Greenway Trail	Lake Hogan Farms	Old NC 86	Multi-Use Pa	Orange	\$123,600	0.2	Carrboro
4	BPW Club Rd / Rock Haven Connector	BPW Club Rd	Rock Haven Road	4 Ft. Bike La	Orange	\$32,700	0.2	Carrboro

DCHC MPO Bicycle/Pedestrian Investments 2030 LRTP

5	Dairyland Road	Old NC 86	Union Grove Church Rd.	4 Ft. Bike La	Orange	\$109,000	0.6	Carboro
6	Farm House/Tramore Connector	Farm House Drive	Tramore Road	4 Ft. Bike La	Orange	\$21,800	0.1	Carboro
7	Jones Ferry Road	Old Fayetteville Road	Carr Planning Jurisdiction	4 Ft. Bike La	Orange	\$119,900	0.7	Carboro
8	Morgan Creek Greenway Trail	Smith Level Road	NC 54 Bypass at Oleander	Multi-Use Pa	Orange	\$669,500	1.7	Carboro
9	N. Lake Hogan Farm Extension	Hogan Hills Road	Eubanks Road	4 Ft. Bike La	Orange	\$174,400	1.0	Carboro
10	Old Fayetteville Road	Jones Ferry Road	Strowd Lane	4 Ft. Bike La	Orange	\$283,400	1.6	Carboro
11	Old Greensboro Road	Jones Ferry Road	Sturbridge Lane	4 Ft. Bike La	Orange	\$65,400	0.4	Carboro
12	Old NC 86	Farm House Drive	Eubanks Road	4 Ft. Bike La	Orange	\$403,300	2.3	Carboro
13	Pathway Drive	Bolin Forest	Seawell Road	Multi-Use Pa	Orange	\$309,000	0.4	Carboro
14	Quail Roost Drive	Hillsborough Road	McDougle School	4 Ft. Bike La	Orange	\$54,500	0.3	Carboro
15	Roberson Place Bikepath	Eugene St.	Rand Rd.	Multi-Use Pa	Orange	\$195,700	0.4	Carboro
16	S. Lake Hogan Farm Road	Tramore Road	Homestead Road	4 Ft. Bike La	Orange	\$54,500	0.3	Carboro
17	Seawell School Connector	Lake Hogan Farm Road	Seawell Road	4 Ft. Bike La	Orange	\$294,300	1.7	Carboro
18	Smith Level Road	NC 54 Bypass	Rock Haven Road	4 Ft. Bike La	Orange	\$119,900	0.7	Carboro
19	Strowd Lane	Old Fayetteville Road	Anderson Community Park	4 Ft. Bike La	Orange	\$54,500	0.3	Carboro
20	Tramore Road Extension	Sunset Creek	Stratford Drive	4 Ft. Bike La	Orange	\$54,500	0.3	Carboro
21	Tripp Farm Road	Fairoaks	Seawell Connector	Multi-Use Pa	Orange	\$360,500	0.5	Carboro
22	Tripp Farm Road	Hillsborough Road	Fair Oaks	4 Ft. Bike La	Orange	\$54,500	0.3	Carboro
						\$4,801,200	17.2	

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CHATHAM COUNTY								
1	American Tobacco Trail	Durham County Line	Cary Town Limit	Bike Path	Chatham	\$1,635,000	5.2	County
2	Mt. Carmel Church Road	Orange County line	Old Farrington Point Road	Bike lanes	Chatham	\$218,000	1.2	County
3	NC 751	Durham County line	US 64 Hwy	Bike lanes	Chatham	\$577,700	3.2	County
4	Old Farrington Point Road	Durham County Line	Mt. Carmel Church Road	Bike lanes	Chatham	\$305,200	1.7	County
5	US 15-501 South	Orange County line	US 64 Bypass	Bike lanes	Chatham	\$577,700	3.2	County
						\$ 3,313,600	15	

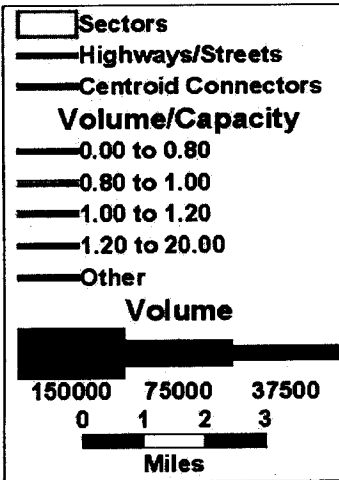
TOTAL BIKE

\$ 108,352,768 651

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Regional Trends and the Existing Transportation System

Deficiency maps (labeled “2002 Volumes” and “2030 Volumes”) follow showing Average Daily Traffic Volumes for 2002 and 2030 on the schematic highway network map as produced by the Triangle Regional Model. Road segments on these maps are thicker or thinner according to the total daily volume of traffic, and they are colored to indicate the relative degree of congestion (ratio of traffic volume to road segment capacity). In general, when the Volume/Capacity ratio is greater than 1.0, drivers will experience some periods of congestion that are great enough to warrant changing departure time (leaving earlier or later) or re-routing the trip. At Volume/Capacity ratios greater than 1.2, the road segment will typically be in a congested state throughout the peak hour periods, and often outside the peak hours as well.



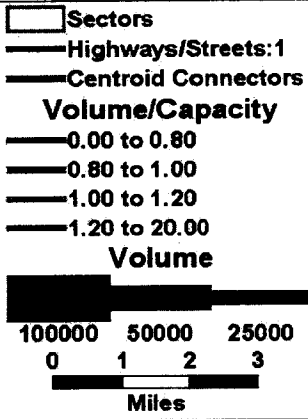
2030 Volumes

6/16/2004 Version 2004 v3

Triangle Regional Model

DRAFT

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2002 Volumes

6/16/2004 Version 2004 v3

Triangle Regional Model

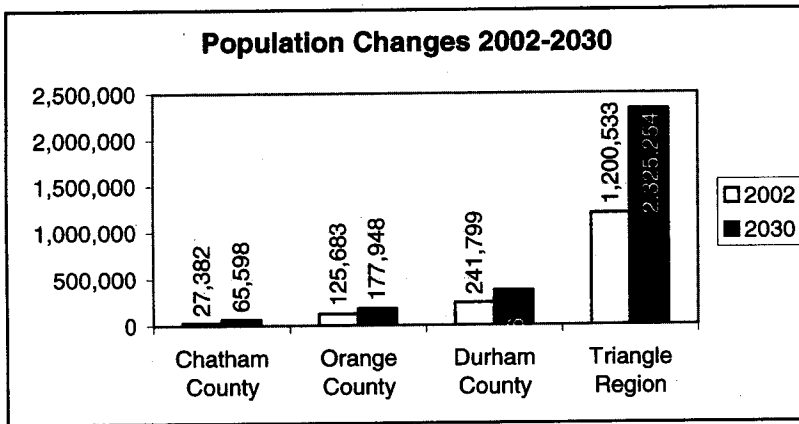
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Summary Information

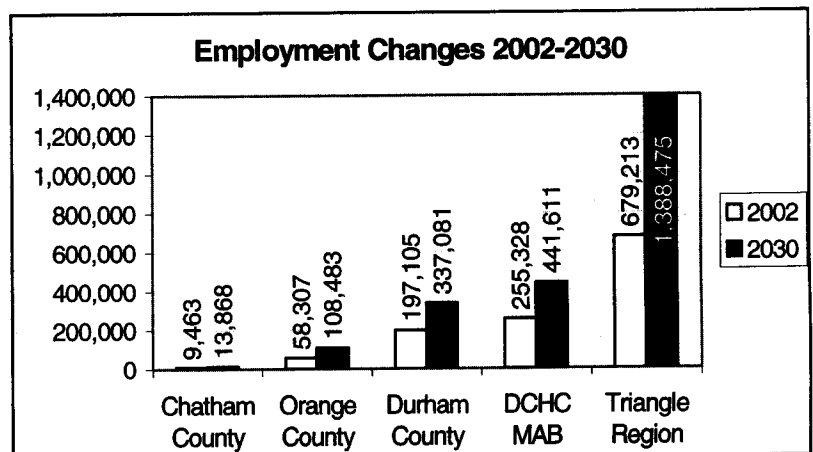
Trip and forecast travel volumes are presented for these areas:

- Region: The entire Triangle Regional Model area
- DCHC: The area within the DCHC MAB
- Durham: Durham County
- Orange: Orange County
- Chatham: The modeled portion of Chatham County

Demographic Information



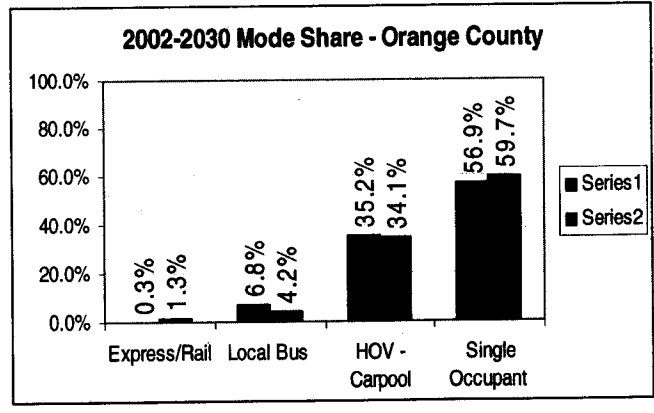
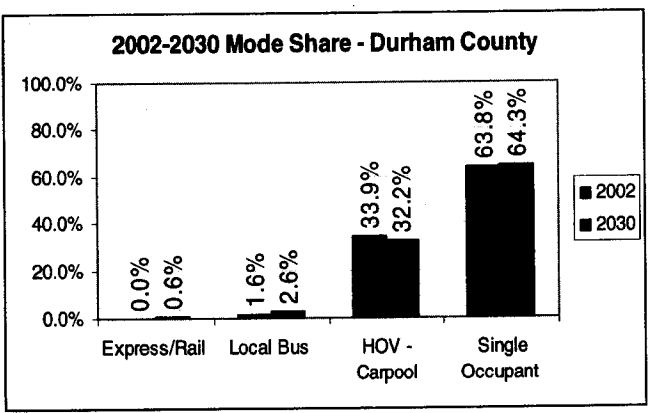
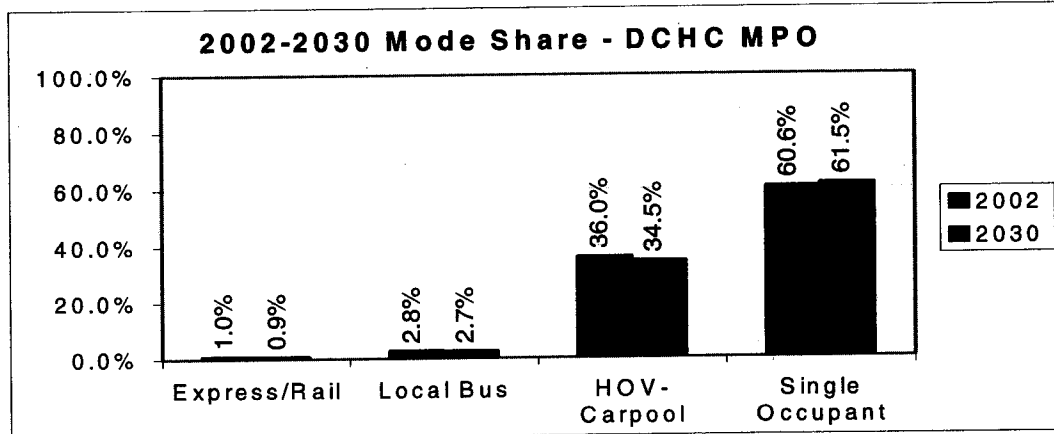
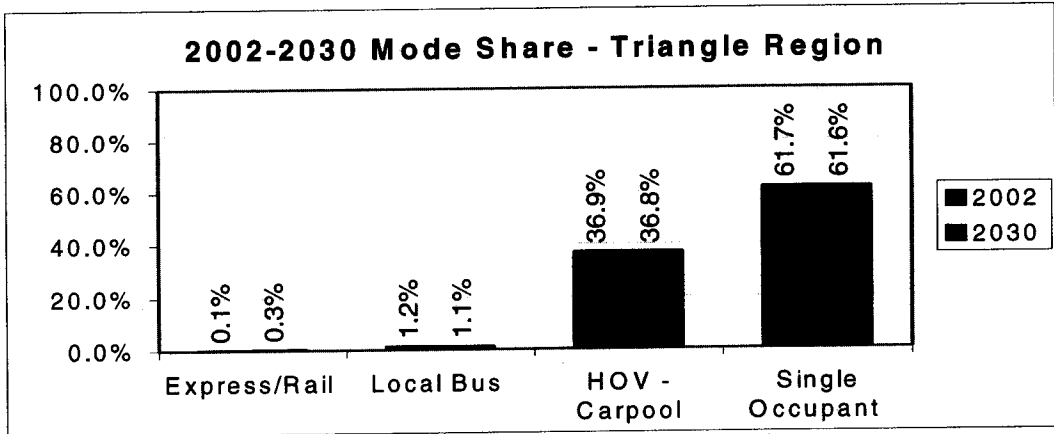
Area	Population		Employment	
	2002	2030	2002	2030
Region	1,200,533	2,325,254	679,213	1,388,475
DCHC	363,993	558,343	255,328	441,611
Durham	241,799	374,096	197,105	337,081
Orange	125,683	177,948	58,307	108,483
Chatham	27,382	65,598	9,463	13,868



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Motorized Trips

Motorized trips are broken down into single-occupancy vehicle (SOV), high-occupancy vehicle (HOV), local transit, and premium transit (express bus and rail). HOV trips are all trips taken with more than one occupant in the vehicle, not just trips on HOV facilities.



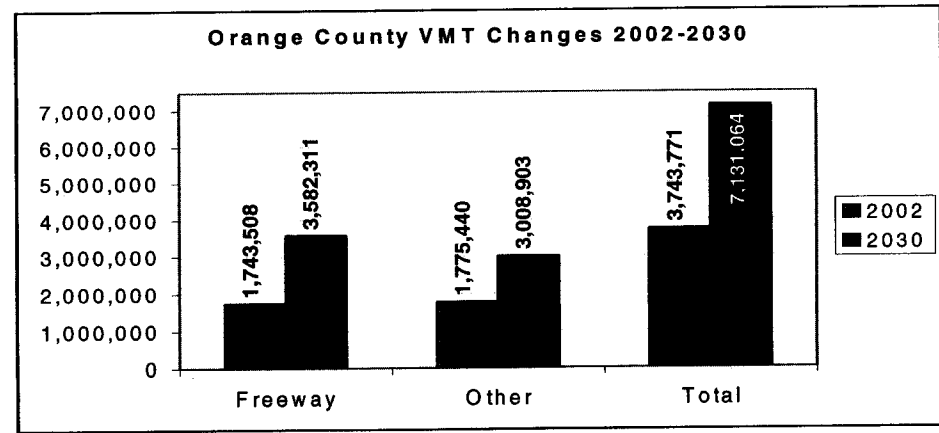
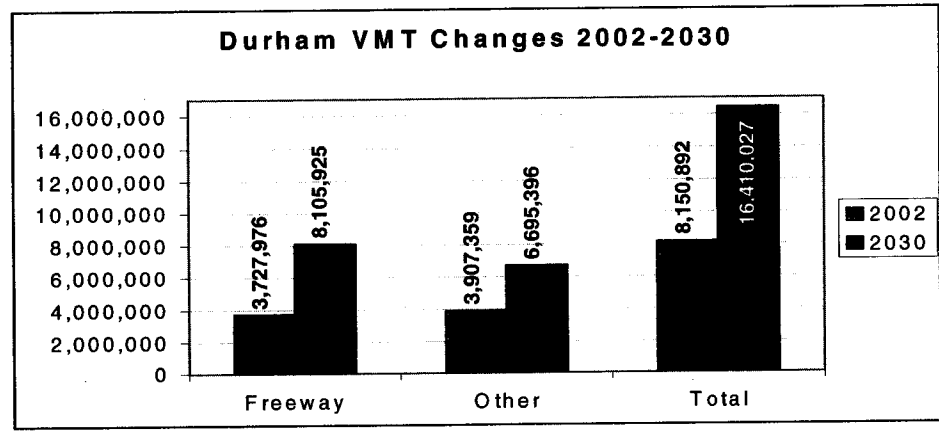
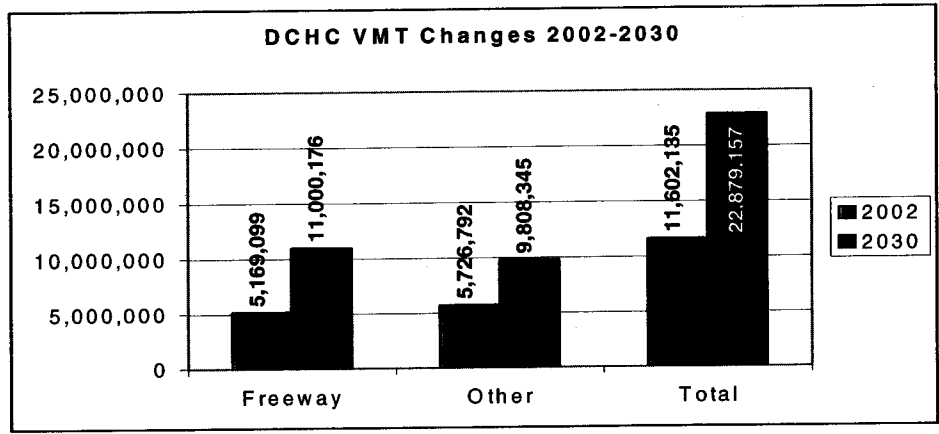
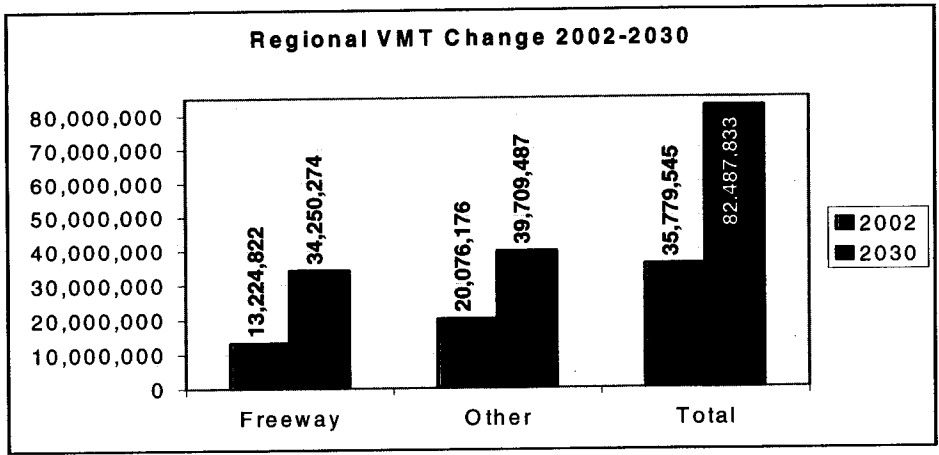
Vehicle Mileage and Congestion

Vehicle Mileage and Congestion Statistics are totaled for all roads, and broken out by freeways, HOV Lanes, and Non-Freeway Roads. The statistics include Vehicle Miles Traveled (VMT), Vehicle Hours Traveled (VHT), Vehicle Miles Traveled under Congestion (on road segments where the Volume/Capacity ratio is greater than 1.2), and the percent of all Vehicle Miles Traveled under Congestion

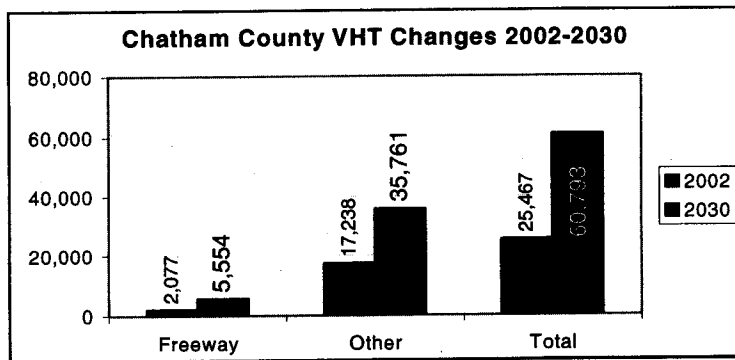
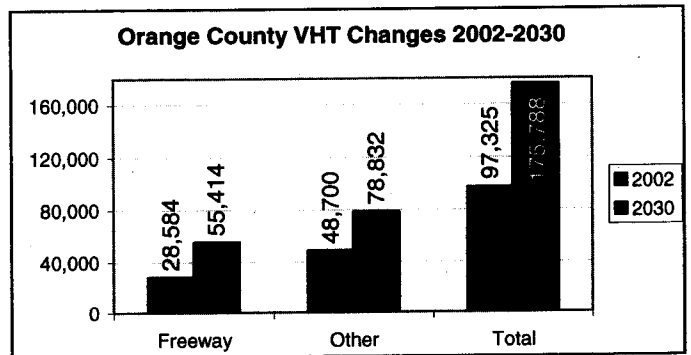
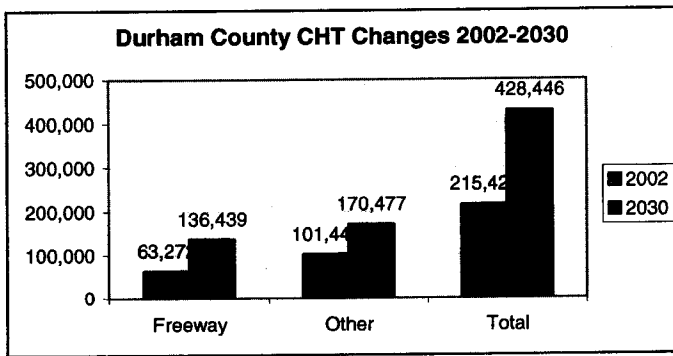
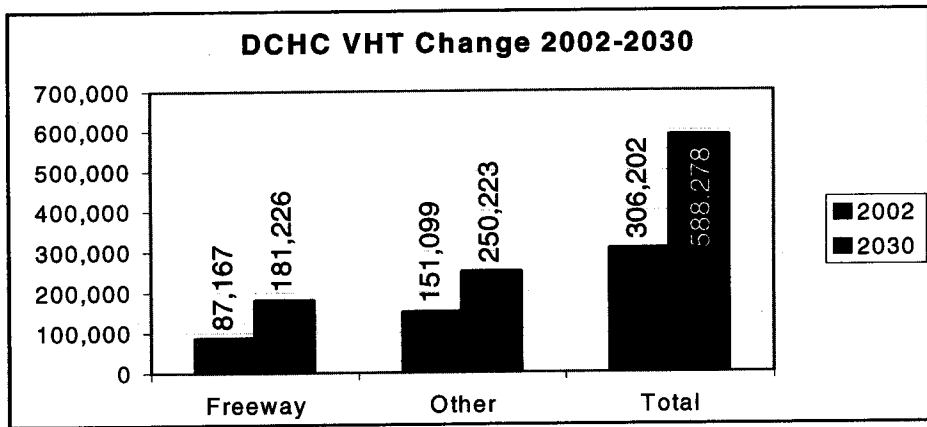
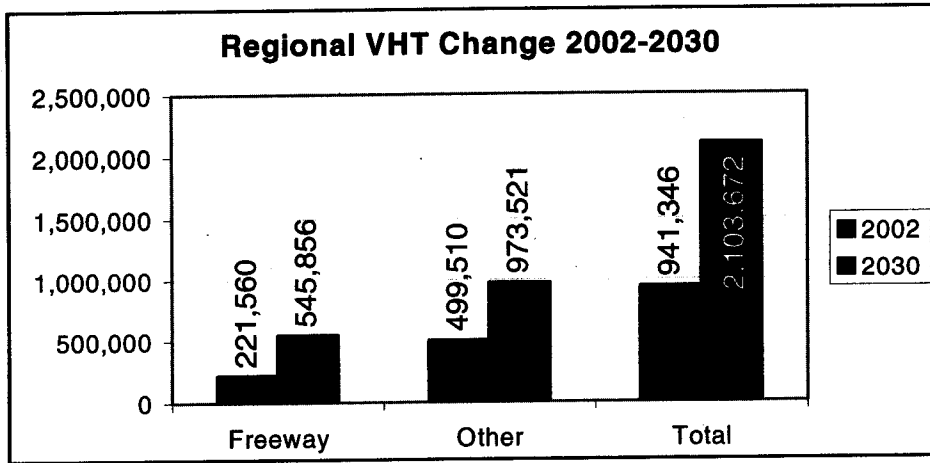
Vehicle Miles and Congestion, 2002 and 2030

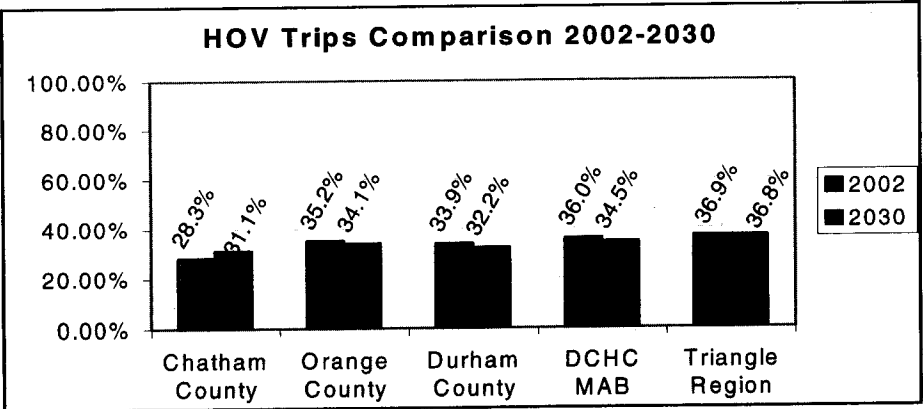
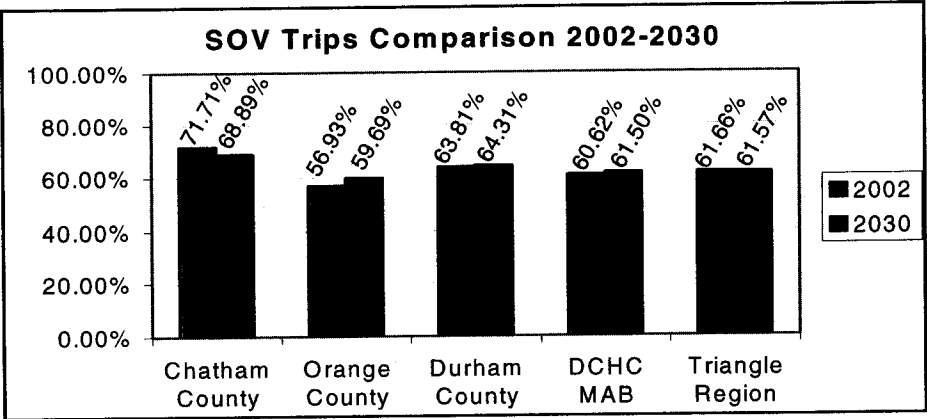
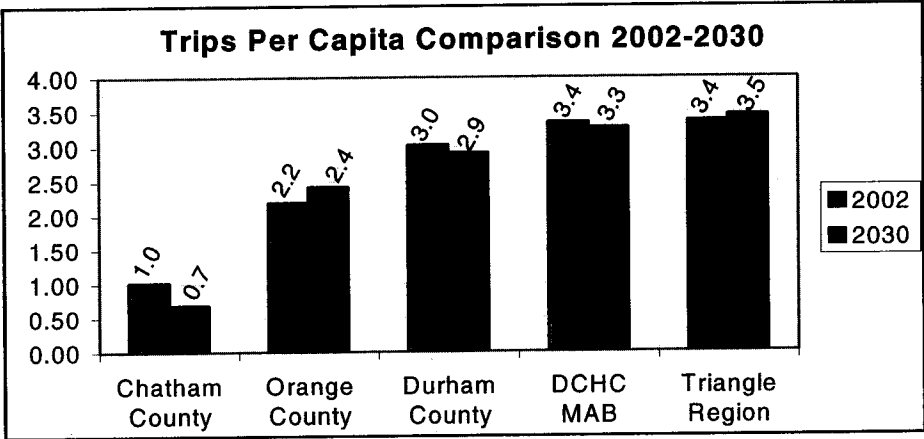
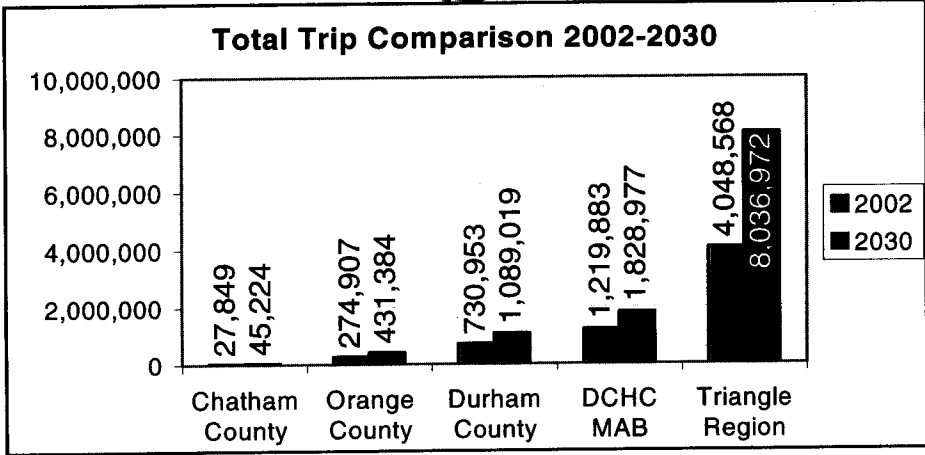
Area	Road Type	VMT		VHT		Congested			
						VMT		Percent	
		2002	2030	2002	2030	2002	2030	2002	2030
Region	Total	35,779,545	82,487,833	941,346	2,103,672	6,829,161	33,307,881	19.09	40.38
	Freeway	13,224,822	34,250,274	221,560	545,856	3,401,777	16,718,567	25.72	48.82
	HOV	0	1,694,201	0	26,108	0	7,726	0.00	0.46
	Other	20,076,176	39,709,487	499,510	973,521	3,427,384	15,401,435	17.07	38.78
DCHC	Total	11,602,135	22,879,157	306,202	588,278	2,718,282	8,016,661	23.43	35.04
	Freeway	5,169,099	11,000,176	87,167	181,226	2,130,156	5,545,067	41.2	50.43
	HOV	0	441,279	0	6,798	0	1,801	0.00	0.41
	Other	5,726,792	9,808,345	151,099	250,223	588,126	2,034,559	10.27	20.71
Durham	Total	8,150,892	16,410,027	215,420	428,446	2,500,865	6,444,678	30.01	38.87
	Freeway	3,727,976	8,105,925	63,272	136,439	2,018,293	4,566,594	52.45	55.07
	HOV	0	343,979	0	5,296	0	1,801	0.00	0.52
	Other	3,907,359	6,695,396	101,446	170,477	482,573	1,486,618	12.36	21.37
Orange	Total	3,743,771	7,131,064	97,325	175,788	218,617	1,582,292	7.57	21.99
	Freeway	1,743,508	3,582,311	28,584	55,414	113,065	978,473	9.73	27.37
	HOV	0	97,301	0	1,501	0	0	0.00	0.00
	Other	1,775,440	3,008,903	48,700	78,832	105,553	558,250	5.8	19.08
Chatham	Total	1,072,338	2,650,713	25,467	60,793	0	280,484	0.00	12.06
	Freeway	134,749	360,256	2,077	5,554	0	0	0.42	18.62
	Other	824,648	1,810,367	17,238	35,761	0	18,227	0.00	2.28

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Issues for Resolution

The MPO's Technical Coordinating Committee (TCC) believes that the 2025 LRTP plan elements and financial plan should be modified for adoption as the 2030 LRTP. These modifications would include:

1. The addition of highway and transit projects to help reduce high levels of congestion that are forecast by the TRM.
2. The addition and modification of projects to ensure design consistency among projects that cross the DCHC MPO and CAMPO border.
3. The addition and modification of transit projects to ensure the best routes (e.g., least congested) are used.
4. Adjustments to the Air Quality implementation year of projects to ensure that projected revenues match projected costs in the 2010, 2020, and 2030 periods. The Highway Trust Fund projects might be among these projects with modified implementation years.
5. Modifications to revenue projects and needs to match the final project costs.