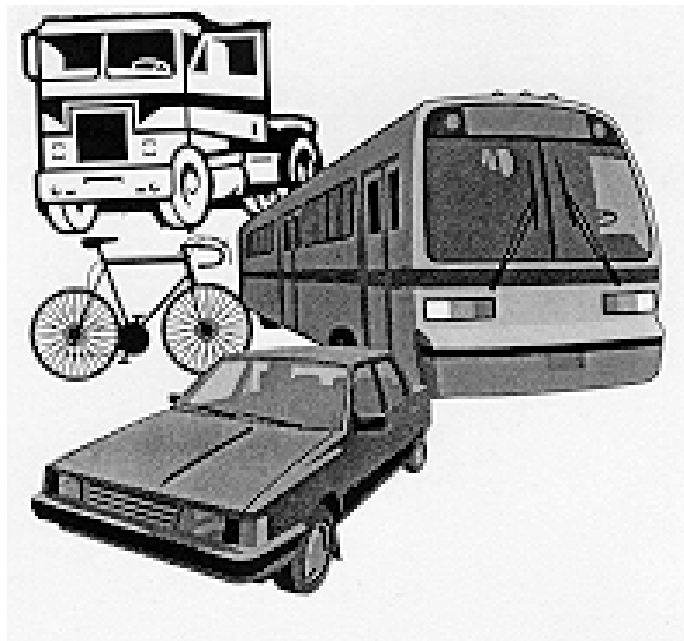


**Durham-Chapel Hill-Carrboro
Metropolitan Planning Organization**



2006-2007
Unified Planning Work Program (UPWP)

May 10, 2006

**Durham-Chapel Hill-Carrboro
Metropolitan Planning Organization**

FY 2006-2007 Unified Planning Work Program

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Durham-Chapel Hill-Carrboro
Metropolitan Planning Organization

RESOLUTION

Approving the FY 2006-2007 Unified Planning Work Program

May 10, 2006

A motion was made by Ed Harrison and seconded by Alex Zaffron for the adoption of the following resolution, and upon being put to a vote was duly adopted.

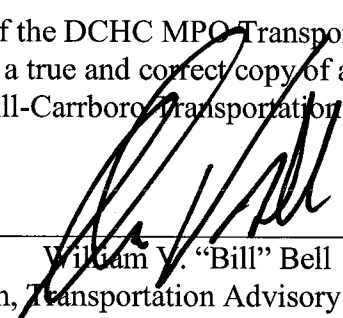
Whereas, a comprehensive and continuing transportation planning program must be carried out cooperatively in order to ensure that funds for transportation projects are effectively allocated to the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization; and

Whereas, the City of Durham Department of Transportation has been designated as the recipient of Section 104(f) Planning and Technical Studies Planning grant funds; and

Whereas, members of the Transportation Advisory Committee agree that the Unified Planning Work Program will effectively advance transportation planning for FY 2006-2007.

Now, therefore, be it resolved that the Transportation Advisory Committee hereby endorses the *Durham-Chapel Hill-Carrboro Metropolitan Planning Organization FY 2006-2007 Unified Planning Work Program.*

I, William V. "Bill" Bell, Chair of the DCHC MPO Transportation Advisory Committee (TAC) do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Durham-Chapel Hill-Carrboro Transportation Advisory Committee, duly held on the 10th day of May, 2006.



William V. "Bill" Bell
Chairman, Transportation Advisory Committee

Subscribed and sworn to me this 11 day of MAY, 2006.



Notary Public

(Notary seal)

101 City Hall Plaza
Durham, NC 27701

My commission expires 07-17-07

Durham-Chapel Hill-Carrboro (DCHC)
Metropolitan Planning Organization (MPO)

RESOLUTION (Transit)

Approving the FY 2006-2007 Unified Planning Work Program (UPWP) of the
DCHC Urban Area

May 10, 2006

A motion was made by Ed Harrison and seconded by Alex Zaffron for the adoption of the following resolution, and upon being put to a vote was duly adopted.

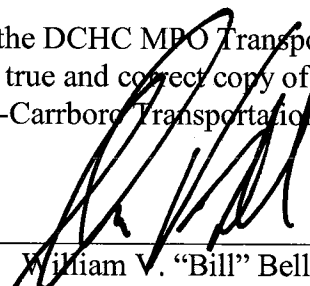
Whereas, a comprehensive and continuing transportation planning program must be carried out cooperatively in order to ensure that funds for transportation projects are effectively allocated to the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization; and

Whereas, the City of Durham Department of Transportation has been designated as the recipient of Federal Transit Administration (FTA) Metropolitan Planning Program funds; and

Whereas, members of the Transportation Advisory Committee agree that the Unified Planning Work Program will effectively advance transportation planning for FY 2006-2007.

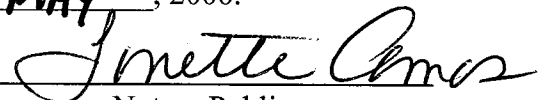
Now, therefore, be it resolved that the Transportation Advisory Committee hereby endorses the *FY 2006-2007 Unified Planning Work Program for the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization.*

I, William V. "Bill" Bell, Chair of the DCHC MPO Transportation Advisory Committee (TAC) do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Durham-Chapel Hill-Carrboro Transportation Advisory Committee, duly held on the 10th day of May, 2006.



William V. "Bill" Bell
Chairman, Transportation Advisory Committee

Subscribed and sworn to me this 11 day of MAY, 2006.



Notary Public

(Notary seal)

101 City Hall Plaza
Durham, NC 27701

My commission expires 07-17-07

**RESOLUTION CERTIFYING THE DURHAM-CHAPEL HILL-CARRBORO (DCHC)
METROPOLITAN PLANNING ORGANIZATION'S
TRANSPORTATION PLANNING PROCESS FOR FY 2006-07**

WHEREAS, the Transportation Advisory Committee has found that the Metropolitan Planning Organization is conducting transportation planning in a continuous, cooperative, and comprehensive manner in accordance with 23 U.S.C. 134 and 49 U.S.C. 1607; and

WHEREAS, the Transportation Advisory Committee has found the Transportation Planning Process to be in compliance with Section 174 and 176 (c) and (d) of the Clean Air Act (42 U.S.C. 7504, 7506 © and (d)); and

WHEREAS, the Transportation Advisory Committee has found the Transportation Planning Process to be in full compliance with Title VI of the Civil Rights Act of 1964 and the Title VI Assurance executed by each State under 23 U.S.C. 324 and 29 U.S.C. 794; and

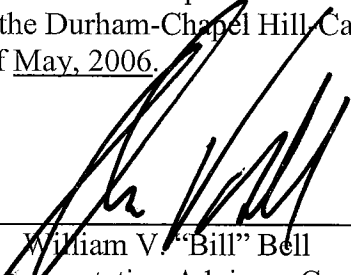
WHEREAS, the Transportation Advisory Committee has considered how the Transportation Planning Process will affect the involvement of Disadvantaged Business Enterprises in the FHWA and the FTA funded planning projects (Sec. 105(f), Pub. L. 97-424, 96 Stat. 2100, 49 CFR part 23);

WHEREAS, the Transportation Advisory Committee has considered how the Transportation Planning Process will affect the elderly and the disabled per the provision of the Americans With Disabilities Act of 1990 (Pub. L. 101-336, 104 Stat. 327, as amended) and the U.S. DOT implementing regulations;

WHEREAS, the Durham-Chapel Hill-Carrboro Urban Area Metropolitan Transportation Improvement Program is a subset of the currently conforming DCHC MPO 2030 Long Range Transportation Plan;

WHEREAS, the Transportation Plan has a planning horizon year of 2030, and meets all the requirements for an adequate Transportation Plan,

NOW THEREFORE, be it resolved that the Transportation Advisory Committee certifies the transportation planning process for the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization on this the 10th day of May, 2006.



William V. "Bill" Bell
Chair, Transportation Advisory Committee

Felix Nwoko
Clerk/Planner (Transportation Planning Manager)

STATE of: North Carolina
COUNTY of: Durham

I, Tonette Amos a Notary Public of Durham County, North Carolina do hereby
certify that William V. Bell + Felix Nwoko personally appeared before me on the 11th day of
May, 2006 to affix ~~his~~ ^{their} signature to the foregoing document.

My Commission Expires:
07-17-07

Tonette Amos
Notary Public

101 City Hall Plaza
Durham, NC 27701

Overview

Durham-Chapel Hill Carrboro
Metropolitan Planning Organization
FY 2006-2007 Unified Planning Work Program

Overview

Federal legislation (SAFETEA-LU) and implementing regulations mandate that each Metropolitan Planning Organization prepare an annual work program known as the Unified Planning Work Program (UPWP). The UPWP must identify the MPO planning tasks to be undertaken with the use of federal transportation funds, including highway and transit programs. Tasks are identified by an alphanumeric task code and description. A complete narrative description for each task is more completely described in the *Prospectus for Continuing Transportation Planning for the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization*, approved by the TAC on February 13, 2002. The *Prospectus* is hereby referenced as an element of the UPWP and is available upon request from any member agency of the DCHC MPO.

The UPWP also contains supplemental project descriptions for special projects and Federal Transit Administration (FTA) projects. Special project descriptions are provided by the responsible agency. FTA planning project task descriptions, FTA Disadvantaged Businesses Contracting Opportunities forms, and FTA funding source tables (a subset of the funding source table) are also included in this work program.

The funding source tables reflect available federal planning fund sources and the amounts of non-federal matching funds. The match is provided through either local or state funds or both. Statewide Planning and Research Funds (SPR) are designated for State use only and reflect the amount of those funds to be expended by the N. C. Department of Transportation Statewide Planning Division on DCHC MPO activities. Federal Highway Administration (FHWA) Section 104(f) funds, FHWA Section 133(b)(3)(7) funds, FTA Section 5303 (formerly Section 8) funds, FTA Section 5307 (formerly Section 9) funds, and Section 5309 (formerly Section 3) funds are designated for MPO use. The Section 5303 and Section 5307 funds have historically been used for transit planning tasks while other MPO transportation planning tasks have been funded with Section 104(f) and Section 133(b)(3)(7) funds. The Section 104(f) funds and the Section 133(b)(3)(7) funds, also known as Surface Transportation Program – Direct Attributable (STP-DA) funds are set by congressional authorization on an annual basis. With the exception of FTA Section 5307 and 5309 funds, these funds can only be used for MPO transportation planning purposes. FTA Section 5309 funds are used for transit capital expenses, and Section 5307 funds are used for transit capital and operating expenses as reflected in the Transportation Improvement Program.

As part of the annual UPWP adoption process, the MPO is required to certify that it adheres to a transportation planning process that is continuous, cooperative, and comprehensive. This certification was traditionally a part of the MTIP development until the NCDOT transitioned to a 2 year TIP in order to bolster public involvement. The certification resolution was included as part of the FY 2005-2006 UPWP and is also included in this work program.

Introduction

INTRODUCTION

Annually, the DCHC MPO is required by federal regulations to prepare a Unified Planning Work Program (UPWP) that details and guides the urban area transportation planning activities. Funding for the UPWP is provided on an annual basis by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) and includes a local matching share.

The Unified Planning Work Program (UPWP) is a narrative description of the annual technical work program for a continuing, cooperative and comprehensive (3C) transportation planning process in the DCHC metropolitan area. As the Lead Planning Agency (LPA) for the DCHC Metropolitan Planning Organization (MPO), the City of Durham, Transportation Division is responsible for developing the UPWP in cooperation with other members of the MPO including the Town of Chapel Hill, the Town of Carrboro, Orange County, Triangle Transit Authority (TTA), MPO local transit operators, and the North Carolina Department of Transportation (NCDOT).

The UPWP provides an indication of regional long and short-range transportation planning objectives, the manner in which these objectives will be achieved, the budget necessary to sustain the overall planning effort, and the sources of funding for each specific program element. All tasks will be performed by the MPO member agencies in cooperation with appropriate agencies, unless otherwise stated.

The work tasks within this UPWP are reflective of issues and concerns originating from transportation agencies at the federal, state and local levels. The 2004-2005 UPWP departs from the previous work programs in that it is product driven and emphasis is placed on "results-oriented" tasks. Several UPWP tasks are specifically targeted to implement provisions of several pieces of federal legislation, particularly the Transportation Equity Act for the 21st Century (TEA-21), the Clean Air Act Amendments of 1990 (CAAA), the Americans with Disabilities Act (ADA), and the North Carolina General Statute.

Federal regulations require Metropolitan Planning Organizations like the DCHC MPO develop an annual UPWP in cooperation with State and publicly-owned transit services. The annual work program is required to serve as a framework for collaborative planning among the Lead Planning Agency staff and staffs of the MPO member agencies. Also, the UPWP is intended to advance a strategic, integrated planning process within the metropolitan area.

The descriptions of the tasks to be accomplished and the budgets for these tasks are based on the best estimate of what can be accomplished within the confines of available resources. If, in the performance of this work program, it becomes apparent that certain tasks cannot be accomplished due to changing or unforeseen circumstances, redefining the scope of the tasks and/or reallocating funds among tasks will adjust the UPWP. Such adjustments are handled through UPWP amendments, and are developed in cooperation with NCDOT, the Federal Highway Administration (FHWA), the Federal Transit

Administration (FTA), the transit agencies, and other concerned agencies as appropriate.

SOURCES OF FUNDS

There are three main sources of funds used for transportation Planning UPWP:

- 1 Federal funds - US Department of Transportation (FHWA & FTA)
- 2 State funds - North Carolina Department of Transportation - NCDOT
- 3 Local Match (Durham, Chapel Hill and Carrboro)

Federal Funds

FHWA Funds - Two principle FWHA funds used for UPWP funding are the Section 104(f) – PL funds and STP-DA.

Other Funding Sources - Other funding sources available are typically sought to conduct specific planning activities. These funds include highway funds such as Congestion Mitigation Air Quality (CMAQ) funds and HPR funds, grant from FHWA to NCDOT for highway planning and research.

State Funds (NCDOT)

NCDOT provides 10% match for FTA 5303 and 5307 planning funds received by the MPO transit operators – Chapel Hill Transit, DATA, and TTA.

Local Funds

Recipients of FHWA funds are required to provide 20% local match. The City of Durham, Town of Chapel Hill, Town of Carrboro, and Orange County provide 20% local match for Section 104(f) – PL and STP-DA funds. Also, the City of Durham and the Town of Chapel Hill provide 10% local match for FTA section 5303 and 5307 funds.

FY 2006-07 UPWP funding levels as well as the descriptions of funding sources are summarized below.

Section 104(f) also known as PL funds are FHWA funds for urbanized areas, administered by NCDOT. These funds require a 20% match. The PL funding apportionment to the state is distributed to the MPOs through a population-based formula. The proposed Section 104(f) funding level is based on the SAFETEA-LU Section 104(f) allocation as well as new PL distribution approved by NCDOT Board of Transportation in June 2005. The statewide section 104(f) funds are distributed among the 17 MPOs based on the following formula: All MPOs get an equal share of \$130,000 (hold harmless) and the rest of the funds are distributed based on the MPO urbanized area

population. The DCHC MPO PL fund allocation for FY 2006-07 is \$373,549. The unobligated balance available from previous years is \$133,388. Additional PL funds in the amount of \$109,604 have been de-obligated through Amendment #1 of the 2005-06 UPWP and are available in FY 2006-07.

Federal (PL funds)	\$616,541
Local (20% match)	<u>\$154,135</u>
Total	\$770,676

STP-DA – These funds are the Direct Attributable Allocation portion of the federal Surface Transportation Program (STP) funds provided to Transportation Management Areas (TMAs are MPOs over 200,000 population). By agreement with the DCHC MPO and NCDOT, a portion of these funds are used for MPO transportation planning activities. STP-DA funds earmarked for programming in the FY 2006-2007 UPWP are shown below.

Federal (STP-DA)	\$1,775,600
Local (20% match)	<u>\$ 443,900</u>
Total	\$2,219,500

State Planning and Research Funds (SPR Funds) – These are FHWA funds allocated to the Transportation Planning Branch (TPB) of NCDOT. NCDOT determines the allocation of these funds among tasks in the UPWP and is responsible for contributing 20% of non federal matching funds. SPR funds programmed in the 2006-2007 UPWP are as follows:

Federal	\$49,200
NCDOT-TPB	\$12,300
Total SPR funds	\$61,500

FTA Funds -Two types of funds are used for transit planning purposes by the DCHC MPO; Section 5303 (formerly Section 8 Metropolitan Planning) and Section 5307 funds (formerly Section 9) of the Federal Transit Act Amendments of 1991.

Section 5303 funds are grant monies from FTA that provide assistance to urbanized areas for transit planning. Essentially, the funds are earmarked for use in planning and technical studies related to urban public transportation. They are provided from the Federal Transit Administration through the NCDOT-PTD to the MPO transit operators (80% from FTA, 10% from NCDOT-PTD, and 10% local match).

	CHT	DATA	TTA	MPO Total
Federal	\$94,456	\$98,312		\$191,071
State	\$11,807	\$12,289		\$ 23,884
<u>Local</u>	<u>\$11,807</u>	<u>\$12,289</u>		<u>\$ 23,884</u>
Total	\$118,070	\$122,890		\$240,960

Section 5307 funds can be used for planning as well as other purposes, and are distributed by the formula by FTA. The DATA, CHT, and TTA use Section 5307 funds from the FTA for assistance on a wide range of planning activities. These funds require a 10% local match, which is provided by the City of Durham, the Town of Chapel Hill, and TTA; and 10% State match provided the Public Transportation Division of NCDOT

	CHT	DATA	TTA	MPO Total
Federal	\$160,000	\$351,445	\$1,225,000	\$1,736,445
State	\$20,000	\$ 43,931	\$153,125	\$ 217,056
Local	\$20,000	\$ 43,931	\$153,125	\$ 217,056
Total	\$200,000	\$439,306	\$1,531,250	\$2,170,556

DCHC MPO – UPWP Funding Sources (FY 2006-07)

Funding Type	Federal	State	Local	Total
Section 104(f)	\$616,541	\$0	\$154,135	\$770,676
STP-DA	\$1,775,600	\$0	\$443,900	\$2,219,500
FTA 5303	\$192,768	\$24,096	\$24,096	\$240,960
FTA 5307	\$1,736,445	\$217,056	\$217,056	\$2,170,556

FY 2006-07 UPWP Overview : General Planning (3-C)/Funded Special Projects & New Initiatives

1	Routine Planning Broad Categories		LPA FHWA	DATA		Chapel Hill		Carrboro		TTA		Orange		TJCOG	
	No.	Routine/General transportation planning process		FHWA	transit	FHWA	transit	FHWA	transit	FHWA	transit	FHWA	transit	FHWA	transit
1.10		Data monitoring monitoring surveillance of change	\$148,607	\$58,312		\$25,000	\$2,840								
1.20		L RTP/CTP/modeling/CMS/Collector street/Air quality	\$392,591	\$17,429		\$35,512	\$6,260				\$110,000	\$5,640			
1.30		Short Range Transit Planning				\$1,000	\$1,000				\$970,000				
1.40		UPWP	\$10,497	\$25,191		\$6,000	\$1,200								
1.50		TIP	\$22,932	\$1,711		\$2,000	\$1,600								
1.60		Civil rights/EI/Minority Business/Elderly/Public Involvement Environmental analysis/Special studies/Regional & Statewide Planning.	\$44,262	\$77,632		\$40,000	\$1,200								
1.70		Planning.	\$73,454			\$65,000	\$400				\$145,000				
1.80		Management, operation, administration of planning process	\$135,410	\$269,482		\$79,944	\$10,864								
		Total Routine/General transportation process	\$827,753	\$449,757		\$254,456	\$25,364			\$0	\$1,225,000	\$5,640			\$0
Special Emphasis Projects & Other STP-DA															
2		Projects (approved in 2005-06 UPWP)	LPA FHWA	DATA transit	Chapel Hill FHWA	transit	Carrboro FHWA	transit	TTA FHWA	transit	Orange FHWA	transit	TTJCOG FHWA		
No.		Special project funded with STP-DA Funds													
2.10		Bicycle-pedestrian (non-motorized) trip demand forecasting	\$200,000												
2.20		Land use Model	\$200,000												
2.30		Data/GIS integration & Automation	\$160,000												
2.40		Model Enhancements, including MPO enhancements Intelligent Transportation System (ITS) Deployment plan update & Measures of Effectiveness	\$150,000												
2.50		Measures of Effectiveness	\$56,000												
2.60		MPO Collector Street Plan	\$40,000								\$85,000				
2.70		TDM Program													
		Total funded projects (approved by the TAC)	\$806,000								\$85,000				

FY 2006-07 UPWP Overview : General Planning (3-C)/Funded Special Projects & New Initiatives

3	New Requests-Initiatives	LPA		DATA		Chapel Hill		Carrboro		TTA		Orange		TJCOG	
		FHWA		transit		FHWA	transit	FHWA	transit	FHWA	transit	FHWA	transit	FHWA	
3.11	TRM - Model Surveys														
3.12	Onboard survey	\$51,000													
3.13	External trip survey	\$24,000													
3.20	Travel time speed survey	\$120,000													
3.30	MPO Collector Street Plan (under funded)	\$28,058													
3.40	Intelligent Transportation System (ITS) Deployment plan update & Measures of Effectiveness (under funded)	\$14,400													
	MPO Congestion Management System Study: Integration of Durham & Chapel Hill/Carrboro studies and incorporation of Orange-Chatham Counties (under funded)	\$48,000													
3.60	Farrington Road-Stagecoach Road corridor study	\$40,000													
3.90	Regional Transit Vision Plan														
3.10	Chapel Hill (or Chapel Hill/Durham) Transit Master Plan					\$160,000									\$37,000
3.11	Regional TDM (addition request, TAC approved \$85,000 for FY 2006-07)									\$40,000					
3.12	TJCOG air quality coordination and socio-economic data forecast coordination.														\$13,930
	Total 2006-07 new requests	\$325,458		\$0	\$0	\$160,000		\$0	\$0	\$40,000		\$0	\$0	\$0	\$50,930
	Total 2006-07 UPWP Federal Funds	\$1,959,211		\$449,757	\$254,456	\$225,996		\$25,364	\$125,000	\$1,225,000		\$5,640		\$50,930	

FY 2006-2007 UPWP
Summary of LPA Staff Hours and Total Funding

Task/Project	Staff Position & Percentage of Hours									
	Trans. Pl. -- MPO	Trans. Pl. -- L RTP/Tech Svs.	Trans. Pl. -- Modeling	Engineer -- Modeling	GIS Technician	Planning Manager	Trans. Pl. -- Bike/Ped	Secretary MPO Clerk	TCC Chair	Interns
L RTP	23%	37%	26%	53%	8%	17%	26%		1%	
Travel Model Updates & Surveys			51%	20%		4%				
TIP	9%	6%			6%	6%	3%		3%	
UPWP	4%					10%				
Air Quality Conformity	2%					7%				
Congestion Management System	3%					4%	2%			
Collector Street Plan						3%				
Short Range Transit Planning/ Monitoring Transportation System/ Data Collection										
EJ/Elderly/Public Involvement	22%	5%	5%	4%	18%		9%		56%	
Environ./Pre-TIP/Reg. Planning	4%	6%			7%	14%			2%	9%
Special Studies	6%	16%	15%	15%	6%	8%	2%		6%	
MPO Mgmt. & Operations	27%	4%	3%	8%	7%	15%	6%	10%	12%	8%
Totals	100%	100%	100%	100%	52%	93%	53%	10%	28%	100%

Task/Project	Total Funding (federal + Local)		
	Consulting Svs.	Staff Salary	Total Funding
L RTP	\$0	\$146,829	\$146,829
Travel Model Updates & Surveys	\$1,122,250	\$56,365	\$1,178,615
TIP	\$0	\$28,665	\$28,665
UPWP	\$0	\$13,121	\$13,121
Air Quality Conformity	\$0	\$8,641	\$8,641
Congestion Management System	\$161,120	\$18,734	\$179,854
Collector Street Plan	\$110,000	\$11,121	\$121,121
Short Range Transit Planning/ Monitoring Transportation System/ Data Collection	\$0	\$0	\$0
EJ/Elderly/Public Involvement	\$127,020	\$58,737	\$185,757
Environ./Pre-TIP/Reg. Planning	\$0	\$55,327	\$55,327
Special Studies	\$270,000	\$71,082	\$341,082
MPO Mgmt. & Operations	\$0	\$160,685	\$160,685
Totals	\$1,790,390	\$658,624	\$2,449,014

FY 2007-2007 UPWP
Summary of DATA Staff Hours and Total Funding

Staff Position & Percentage of Hours -Durham Area Transit Authority (DATA)										
Task/Project	Transit Admin	Snr Transp Planner	Transp Planner	Program Accountnt	Public Affairs	Program Asst.	Laidlaw Oper Serv	Fare Analyst	Staff Assistant	Interns
L RTP	0%	5%	6%	0%	0%	0%	0%	0%	0%	0%
Travel Model Updates & Surveys	0%	1%	0%	2%	0%	0%	0%	0%	0%	0%
TIP	0%	11%	0%	30%	0%	0%	0%	0%	0%	0%
UPWP	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Air Quality Conformity	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Congestion Management System	0%	0%	23%	0%	0%	0%	0%	0%	0%	0%
Collector Street Plan	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Short Range Transit Planning	0%	47%	0%	22%	0%	10%	0%	23%	0%	0%
Monitoring Transportation System/										
Data Collection	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
EJ/Elderly/Public Involvement	0%	0%	0%	0%	94%	0%	94%	0%	0%	0%
Environ./Pre-TIP/Reg. Planning	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Special Studies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
MPO Mgmt. & Operations	94%	30%	65%	40%	0%	83%	0%	70%	94%	0%
Totals	94%	94%	94%	94%	94%	94%	94%	94%	94%	0%

Task/Project	Total Funding (federal + Local)	
	Consulting Svs.	Staff Salary Total Funding
L RTP	\$0	\$7,752
Travel Model Updates & Surveys	\$0	\$0
TIP	\$0	\$2,139
UPWP	\$0	\$31,489
Air Quality Conformity	\$0	\$0
Congestion Management System	\$0	\$14,034
Collector Street Plan	\$0	\$0
Short Range Transit Planning	\$0	\$0
Monitoring Transportation System/		
Data Collection	\$0	\$72,890
EJ/Elderly/Public Involvement	\$0	\$97,040
Environ./Pre-TIP/Reg. Planning	\$0	\$0
Special Studies	\$0	\$0
MPO Mgmt. & Operations	\$0	\$336,852
Totals	\$0	\$562,196

FY 2006-2007 UPWP
Summary of Carrboro Staff Hours and Total Funding

Task/Project	Staff Position & Percentage of Hours	
	Trans Planner	
L RTP	7%	
Travel Model Updates & Surveys	0%	
TIP	3%	
UPWP	2%	
Air Quality Conformity	0%	
Congestion Management System	5%	
Collector Street Plan	1%	
Short Range Transit Planning	6%	
Monitoring Transportation System/ Data Collection	2%	
EJ/Elderly/Public Involvement	2%	
Environ./Pre-TIP/Reg. Planning	1%	
Special Studies	0%	
MPO Mgmt. & Operations	22%	
Totals	52%	

Task/Project	Total Funding (federal + Local)		
	Consulting Svs.	Staff Salary	Total Funding
L RTP	\$0	\$4,450	\$4,450
Travel Model Updates & Surveys	\$0	\$0	\$0
TIP	\$0	\$2,000	\$2,000
UPWP	\$0	\$1,500	\$1,500
Air Quality Conformity	\$0	\$0	\$0
Congestion Management System	\$0	\$3,000	\$3,000
Collector Street Plan	\$0	\$375	\$375
Short Range Transit Planning	\$0	\$1,250	\$1,250
Monitoring Transportation System/ Data Collection	\$0	\$3,550	\$3,550
EJ/Elderly/Public Involvement	\$0	\$1,500	\$1,500
Environ./Pre-TIP/Reg. Planning	\$0	\$500	\$500
Special Studies	\$0	\$0	\$0
MPO Mgmt. & Operations	\$0	\$13,580	\$13,580
Totals	\$0	\$31,705	\$31,705

FY 2006-2007 UPWP
Summary of Chapel Hill Staff Hours and Total Funding

Staff Position & Percentage of Hours- Chapel Hill (Incomplete Table)				
Task/Project	Planning Coord.	Transp Planner	Interns	
L RTP	10%	26%	23%	
Travel Model Updates & Surveys	0%	0%	0%	
TIP	2%	1%	5%	
UPWP	1%	1%	1%	
Air Quality Conformity	0%	0%	0%	
Congestion Management System	0%	0%	0%	
Collector Street Plan	0%	0%	0%	
Short Range Transit Planning	0%	0%	0%	
Monitoring Transportation System/ Data Collection	0%	0%	0%	
EJ/Elderly/Public Involvement	0%	0%	0%	
Environ./Pre-TIP/Reg. Planning	0%	0%	0%	
Special Studies	0%	10%	10%	
MPO Mgmt. & Operations	10%	8%	10%	
Totals	23%	47%	48%	

INCOMPLETE DATA FROM THE TOWN OF CHAPEL HILL

Task/Project	Total Funding (federal + Local)	
	Consulting Svs.	Staff Salary Total Funding
L RTP	\$0	\$0
Travel Model Updates & Surveys	\$0	\$0
TIP	\$0	\$0
UPWP	\$0	\$0
Air Quality Conformity	\$0	\$0
Congestion Management System	\$0	\$0
Collector Street Plan	\$0	\$0
Short Range Transit Planning	\$0	\$0
Monitoring Transportation System/ Data Collection	\$0	\$0
EJ/Elderly/Public Involvement	\$0	\$0
Environ./Pre-TIP/Reg. Planning	\$0	\$0
Special Studies	\$0	\$0
MPO Mgmt. & Operations	\$0	\$0
Totals	\$0	\$0

FY 2006-2007 UPWP
Summary of Chapel Hill Transit Staff Hours and Total Funding

Staff Position & Percentage of Hours - Chapel Hill Transit (Incomplete)					
Task/Project	Planning Coord.	Transp Planner	Interns		
L RTP	10%	17%	26%		
Travel Model Updates & Surveys	0%	0%	0%		
TIP	2%	1%	0%		
UPWP	5%	2%	0%		
Air Quality Conformity	0%	0%	0%		
Congestion Management System	1%	2%	2%		
Collector Street Plan	0%	0%	0%		
Short Range Transit Planning	2%	14%	17%		
Monitoring Transportation System/ Data Collection	0%	0%	2%		
EJ/Elderly/Public Involvement	0%	0%	0%		
Environ./Pre-TIP/Reg. Planning	0%	0%	0%		
Special Studies	0%	0%	0%		
MPO Mgmt. & Operations	3%	10%	0%		
Totals	23%	47%	48%		

INCOMPLETE DATA FROM THE TOWN OF CHAPEL HILL

Task/Project	Total Funding (federal + Local)	
	Consulting Svs.	Staff Salary Total Funding
L RTP	\$0	\$0
Travel Model Updates & Surveys	\$0	\$0
TIP	\$0	\$0
UPWP	\$0	\$0
Air Quality Conformity	\$0	\$0
Congestion Management System	\$0	\$0
Collector Street Plan	\$0	\$0
Short Range Transit Planning	\$0	\$0
Monitoring Transportation System/ Data Collection	\$0	\$0
EJ/Elderly/Public Involvement	\$0	\$0
Environ./Pre-TIP/Reg. Planning	\$0	\$0
Special Studies	\$0	\$0
MPO Mgmt. & Operations	\$0	\$0
Totals	\$0	\$0

FY 2006-2007 UPWP
Summary of TTA Staff Hours and Total Funding

Task/Project	Staff Position & Percentage of Hours (INCOMPLETE - TTA did not provide complete information)						
	Planing Director	Transp Planner	Transp Planner	GIS			
L RTP	0%	0%	0%	0%	0%	0%	0%
Travel Model Updates & Surveys	0%	0%	0%	0%	0%	0%	0%
TIP	0%	0%	0%	0%	0%	0%	0%
UPWP	0%	0%	0%	0%	0%	0%	0%
Air Quality Conformity	0%	0%	0%	0%	0%	0%	0%
Congestion Management System	0%	0%	0%	0%	0%	0%	0%
Collector Street Plan	0%	0%	0%	0%	0%	0%	0%
Short Range Transit Planning	0%	0%	0%	0%	0%	0%	0%
Monitoring Transportation System/ Data Collection	0%	0%	0%	0%	0%	0%	0%
EJ/Elderly/Public Involvement	0%	0%	0%	0%	0%	0%	0%
Environ./Pre-TIP/Reg. Planning	0%	0%	0%	0%	0%	0%	0%
Special Studies	0%	0%	0%	0%	0%	0%	0%
MPO Mgmt. & Operations	0%	0%	0%	0%	0%	0%	0%
Totals	0%	0%	0%	0%	0%	0%	0%

INCOMPLETE DATA FROM TTA

Task/Project	Total Funding (federal + Local)	
	Consulting Svs.	Staff Salary Total Funding
L RTP	\$0	\$0
Travel Model Updates & Surveys	\$0	\$0
TIP	\$0	\$0
UPWP	\$0	\$0
Air Quality Conformity	\$0	\$0
Congestion Management System	\$0	\$0
Collector Street Plan	\$0	\$0
Short Range Transit Planning	\$0	\$0
Monitoring Transportation System/ Data Collection	\$0	\$0
EJ/Elderly/Public Involvement	\$0	\$0
Environ./Pre-TIP/Reg. Planning	\$0	\$0
Special Studies	\$0	\$0
MPO Mgmt. & Operations	\$0	\$0
Totals	\$0	\$0

**FY 2006-2007 UPWP
Summary of TJCOC Staff Hours and Total Funding**

Staff Position & Percentage of Hours									
Task/Project	Planning Director	Principal Planner	GIS Analyst	Intern					
L RTP	15%	16%	7%	5%	0%	0%	0%	0%	0%
Travel Model Updates & Surveys	0%	0%	0%	0%	0%	0%	0%	0%	0%
TIP	0%	0%	0%	0%	0%	0%	0%	0%	0%
UPWP	0%	0%	0%	0%	0%	0%	0%	0%	0%
Air Quality Conformity	1%	0%	0%	0%	0%	0%	0%	0%	0%
Congestion Management System	0%	0%	0%	0%	0%	0%	0%	0%	0%
Collector Street Plan	0%	0%	0%	0%	0%	0%	0%	0%	0%
Short Range Transit Planning	0%	0%	0%	0%	0%	0%	0%	0%	0%
Monitoring Transportation System/ Data Collection	0%	0%	0%	0%	0%	0%	0%	0%	0%
EJ/Elderly/Public Involvement	0%	0%	0%	0%	0%	0%	0%	0%	0%
Environ./Pre-TIP/Reg. Planning	0%	0%	0%	0%	0%	0%	0%	0%	0%
Special Studies	0%	0%	0%	0%	0%	0%	0%	0%	0%
MPO Mgmt. & Operations	0%	0%	0%	0%	0%	0%	0%	0%	0%
Totals	16%	16%	7%	5%	0%	0%	0%	0%	0%

Total Funding (federal + Local)			
Task/Project	Consulting Svs.	Staff Salary	Total Funding
L RTP	\$0	\$60,295	\$60,295
Travel Model Updates & Surveys	\$0	\$0	\$0
TIP	\$0	\$0	\$0
UPWP	\$0	\$0	\$0
Air Quality Conformity	\$0	\$2,910	\$2,910
Congestion Management System	\$0	\$0	\$0
Collector Street Plan	\$0	\$0	\$0
Short Range Transit Planning	\$0	\$0	\$0
Monitoring Transportation System/ Data Collection	\$0	\$0	\$0
EJ/Elderly/Public Involvement	\$0	\$0	\$0
Environ./Pre-TIP/Reg. Planning	\$0	\$0	\$0
Special Studies	\$0	\$0	\$0
MPO Mgmt. & Operations	\$0	\$0	\$0
Totals	\$0	\$63,205	\$63,205

Synopsis of Routine and On-Going Projects

SYNOPSIS OF ROUTINE AND ONGOING PROJECTS

Management and certification of Transportation Planning (3-C) Process

This work element encompasses the administration and support of the 3-C transportation planning process as mandated and required by federal regulations.

Objective:

To assist, support, and facilitate an open Comprehensive, Cooperative, and Continuing (3C) transportation planning and programming process at all levels of government in conformance with applicable federal and state requirements and guidelines as described in the 3C Memorandum of Understanding.

Previous Work:

Management of the 3C process using previous Unified Work Program and prospectus documents, transportation plans, and Memorandum of Understanding. Specifically, previous tasks include but not limited to preparation of Technical Coordinating Committee (TCC) and the Transportation Advisory Committee (TAC) meetings agenda, providing technical assistance to the TAC, development of the MTIP, preparation of the annual UPWP, working with other agencies, such as NC Division of Air Quality, etc.

Proposed Activities:

1. Provide liaisons between DCHC MPO member agencies, transit providers, CAMPO, NCDOT, DENR, TJCOG, and other organizations at the local, regional, state, and federal levels on transportation related matters, issues and actions.
2. Work with the Capital Area Metropolitan Planning Organization (CAMPO) on regional issues. Prepare Regional Priority lists and MTIP and amend as necessary, Update transportation plans, travel demand model, and monitor data changes. Evaluate transportation planning programs developed through the 3C public participation process for appropriate MPO action.
3. Provide technical assistance to the Transportation Advisory Committee (TAC) and other member jurisdictions policy bodies.
4. Participate in Joint CAMPO/DCHC TCC and TAC meetings as a means to continually improve the quality and operation of the transportation planning process and decision making in the Triangle Region.
5. Review and comment on federal and state transportation-related plans, programs, regulations and guidelines.

Work Product Expected:

1. Technical assistance memoranda, reports, and public involvement meetings and workshops as needed.
2. Updates to the planning documents as required.
3. MPO meeting minutes.

Model Maintenance/Air Quality Planning

Objective:

To maintain and improve the regional travel demand model and the MPO sub-area model as a tool for transportation planning and air quality conformity. To develop certification documents, reports, and other materials that meet the goals of the Clean Air Act Amendments (CAAA), TEA-21 as it pertains to air quality planning, the State Implementation Plan (SIP), and the goals and objectives of the DCHC MPO.

Previous Work:

1. Development of the Triangle Regional Model (TRM).
2. Air quality conformity determinations for the LRTP, TIP and sub-area modeling.
3. Modeling for project forecasting for NEPA projects e.g., East End Connector.

Proposed Activities:

1. Continue maintenance and improvements of the regional model (TRM).
2. Rebuild future network horizon years with new data and updated versions of TransCad.
3. Continue the refinement of TRM using the TransCAD to improve forecasts of highway and transit demand with consideration for changes in land use.
4. Work with NCDOT, DENR and the statewide Modeling Users Group for necessary improvements to the travel demand model for conformity determination purposes.
5. Coordinate air quality planning efforts with DENR, NCDOT, EPA, FHWA, FTA, and other appropriate agencies.
6. Work with the Division of Air Quality in the development of the State Implementation Plans (SIP).

Expected Work Products:

1. On-going maintenance of the model.
2. Quality and error checks.
3. Model forecasts for the development of the SIP.
4. Travel demand forecasts for NEPA projects, including the East End Connector.

Unified Planning Work Program - UPWP

Objective:

To prepare and continually maintain a Unified Planning Work Program (UPWP) that describes all transportation and transportation-related planning activities anticipated

within the DCHC MPO planning area for the FY 2006-2007. To develop, maintain, and complete the UPWP in conformance with applicable federal, state, and regional guidelines. To prepare UPWP amendments as necessary and requested by member agencies, to reflect any change in programming or focus for the current fiscal year.

Previous Work:

1. FY 2004-2005 Unified Planning Work Programs adopted by the TAC on April 14, 2004 and FY 2005-06 UPWP expected to be approved by the TAC on April 13, 2005.
2. Amendments of the UPWP as requested by member agencies.

Proposed Activities:

1. Review and amend relevant portions of the DCHC's UPWP in order to meet new planning requirements and/or circumstances pertinent to the MPO emphasis and transportation planning objectives.
2. Develop a new UPWP for the DCHC planning area covering the next program year. The development of a new UPWP will be prepared in cooperation with NCDOT and subject to the development process and public involvement endorsed by the TAC at its January 2005 meeting.

Expected Work Products:

1. Amendments to the current UPWP as necessary.
2. Development of the FY 2006-07 Unified Planning Work Program (UPWP).

Public Involvement Process

Objectives:

To provide the public with complete information, timely notice, full access to key decisions and opportunities for early and continuing involvement in the 3C process. To assess the effectiveness of the current Public Involvement Process as required by the federal Certification Team, and to develop and enhance the process of public dissemination of information.

Previous Work:

1. MPO Public Involvement Process.
2. MPO website.
4. News Letters
5. News paper advertisements.

Proposed activities:

1. Refine the current Public Participation Process as needed.
2. Apply the Public Involvement Process to transportation programs and tasks:
3. Public meetings, workshops, and outreach programs to increase public

participation, information dissemination, and education.

Expected Work Products:

1. Update and maintenance of website.
2. Update and maintenance of mailing list database
3. Quarterly MPO News letters, and project specific news letters.
4. Support of Citizen Advisory Committee

Transportation Improvement Program (TIP) Development

Objectives:

As the Lead Planning Agency (LPA) of the DCHC MPO, the City of Durham, Transportation Division is responsible for annually developing, amending, adjusting and maintaining the Transportation Improvement Program (TIP) for the metropolitan area. Under this activity, the LPA will update and amend the current, seven-year program of transportation improvement projects (MTIP) that is consistent with the 2025 Long-Range Transportation Plan, STIP, the State Implementation Plan (SIP), EPA Air Quality Conformity Regulations and FHWA/FTA Planning Regulations.

Previous Work:

2006-2012 Regional Priority List and DCHC Metropolitan Transportation Improvement Programs (MTIP). Development MPO Issue paper for One-on-One sessions with NCDOT.

Proposed Activities:

1. Solicit transportation improvement projects from municipalities and transit providers.
2. Develop 2007-2013 MPO Regional Priority Lists and 2007-13 MTIP.
3. Refine project ranking methodology and priority system.
4. Conduct appropriate public participation for the TIP consistent with the MPO Public Involvement Policy.
5. Conduct formal amendments and adjustments as necessary.
6. Produce and distribute TIP documents for federal, state and local officials.
7. Attend regular meetings with NCDOT to exchange information regarding transportation improvement projects.

Expected Work Product:

1. Amendments to the 2006 - 2012 Metropolitan Transportation Improvement Program.
2. 20097-2015 Regional Priority Lists ranking methodology
3. 2007 - 2013 Metropolitan Transportation Improvement Program
4. Develop and refine procedures necessary for TIP preparation and amendment as necessary.
5. TIP Amendments and Adjustments as necessary.

Environmental Justice

Objectives:

To ensure that minority and low-income communities are ; 1) not adversely affected by transportation projects and policies; 2) treated equitably in the provision of transportation services and projects; and 3) provided full opportunity for participation in MPO transportation planning and decision making process.

Previous Work:

Demographic profiles based on 1990 Census- maps to identify areas of low-income, minority and elderly populations, job accessibility, and overlay of major employers, fixed route transit systems, and major shopping areas.

Proposed activities:

1. Develop MPO Environmental Justice Plan, including establishment of Environmental Justice Advisory Board
2. Update demographic profiles based on 2000 Census and MPO 2002 base year data - maps to identify areas of low-income, minority and elderly populations, job accessibility, and overlay of major employers, fixed route transit systems, and major shopping areas.
3. Provide increased opportunities for under-served populations to be represented in the transportation planning process.
4. Define target areas through the use of Census Block Group data from the 2000 Census.
5. Analyze the mobility of target area populations to jobs, childcare, and transit routes.
6. Review existing public outreach and involvement plan.
7. Develop a protocol for responding to issues and concerns regarding Environmental Justices in general and Hispanic population in particular.

Expected Products:

1. Updated maps utilizing information from the 2000 Census and 2002 base year data.
2. Increased involvement of low-income and minority populations in the transportation planning process.
3. Technical assistance memoranda, reports, and workshops as needed.
4. Protocol for responding to issues and concerns regarding Environmental Justices
5. MPO Environmental Justice plan

Major Emphasis Areas & Special Projects

SPECIAL EMPHASIS PROJECTS SUMMARY DESCRIPTION

GIS Data Integration and Automation

Currently the DCHC MPO does not have a unified GIS database for the metropolitan planning area. Lack of integrated GIS data has impeded effective transportation planning such as the **L RTP alternative analysis, environmental justice analysis, TIP project ranking, and prioritization**. Over the years, it has become increasingly apparent that transportation models, land use analysis, and long range transportation plan, TIP and CMS development processes are critically dependent on comprehensive, integrated, high quality spatial data. The Lead Planning Agency (LPA) does not have a GIS-Transportation for the entire metropolitan area. The LPA, like most agencies, is heavily dependent upon spatial data for a host of transportation planning activities and public information dissemination. Due to concerns and comments expressed by the public and the TAC regarding the quality of GIS, access to information, etc., the GIS data integration and automation task was proposed and approved by the TAC.

The proposed GIS data integration will create a geo-spatial warehouse within the LPA and automate GIS functions. Various MPO agencies use separate GIS and database systems. While these systems share certain standards and formats, they have no physical relationship. As a result, there are inconsistencies and overlap problems.

This project will eliminate redundancies, reduce costs of data collection (over 70% of the CMS cost is attributed to data collection), and, most importantly, improve GIS functions and public access to MPO spatial information.

The majority of data and spatial analyses required to meet and support the planning requirements of SAFETEA-LU, especially for the development of the LRTP, TIP and congestion mitigation system will come from the proposed GIS data integration project.

Summary of Project Scope

1. Design and implement a GIS data warehouse for the MPO, including designing a relational database and single enterprise-wide base layers. The system and database design will involve a needs assessment, conceptual and logical design, physical design, automation plan, maintenance strategy, and final implementation.
2. Testing the system for functionality, performance, and flexibility will involve evaluating the automation plan (procedures, validity, and system), the application's design, the hardware and software configurations, and the organizational and administrative procedures. It is anticipated that existing data will be used to populate the database and test system and database design.
3. Develop a protocol for linking attributes from member agencies' GIS systems. This will include a data dictionary and location table to support transit spatial feature portability and storing transit feature data. Essentially, this is a mechanism for converting data fields from other systems to a unique attribute for the MPO. Data standards and protocol are also especially important for data sharing and exchange. As such, this should be thought of carefully to insure all regional agencies and potential data sources are taken into cognizant when establishing a protocol.

4. Develop a MPO-wide master line layer or “base map” (a foundation for spatial and attribute data). Develop master line layer to integrate transportation GIS applications. The line layer shall be linked to other layers of information, such as zip codes, Census geography orthophotos, etc.

5. Develop a relational database that captures the following (this item is linked to tasks 1 and 4):
 - Functional classification
 - TIP
 - LRTP
 - CMS
 - TIP priority lists
 - Environmental data
 - Census PUMS, CTPP, ACS
 - Model input data, results and intermediate outputs
 - Land use and parcel data
 - Property tax
 - Employment data
 - Centerline data and attributes
 - NCDOT roadway attributes
 - Transit data and attributes
 - Sidewalk and pedestrian attributes
 - Bicycle facilities attributes
 - Previous completed improvements
 - Monitoring results based on completed improvements
 - Traffic count data, including TMCs
 - Accident information
 - TRM networks data
 - ITS information
 - Additional data sources as needed

6. Create customized applications for the LPA and MPO agencies using standard open source scripting languages.

7. Develop a user-friendly graphical interface and interactive web application. The interface is vital for staff, the public, and decision-makers in terms accessing information and improving spatial analytical capabilities. Also, it would enhance decision-makers’ understanding of complex issues and facilitate the quick response to transportation GIS requests.

8. Develop a data maintenance strategy

Applications

This project will be very invaluable in the development of the CTP and 2035 LRTP. Sample applications and analyses are summarized as follows.

- Highway and transit projects assumed in 2008, 2011, and 2016 air quality analysis.
- Differences in future transportation system performance with or without certain projects
- Indirect and cumulative impacts of CTP or LRTP projects
- Quantifying the environmental impacts of LRTP or TIP projects (useful also for developing project priority lists).
- Base and future year environmental justice demographic profile (see federal certification EJ questions).
- Effectiveness and efficiency of planning, analysis and graphical display.
- Land use scenario testing and analysis (this has been a major comment on previous LRTPs).
- Visualization requirement of SAFETEA-LU.

LPA staff resources:

Jeremy Raw - 100 hours

Felix Nwoko – 100 hours

Brian Rhodes - 175 hours

MPO Technical Team will be constituted to provide oversight

Development of the Land Use Model

The linkage between land use and transportation is fundamental to understanding transportation system performance. It has been well established that trip-making patterns, volumes, and modal distributions are largely a function of the distribution and use of land. Thus, exercising control over the trip generating characteristics of individual development sites (e.g., development density) can be used to ensure that the resulting travel demand is consistent with the existing transportation infrastructure and the level of service desired.

Over the long run, the spatial distribution of land use can greatly influence regional travel patterns. In turn, this land use distribution can be influenced by the level of accessibility provided by the transportation system.

Federal planning regulations have reinforced the importance of the linkage between transportation planning and land use. For example, the metropolitan transportation planning process should “consider the likely effect of transportation policy decisions on land use and development and the consistency of transportation plans and programs with the provisions of all applicable short- and long-term land use and development plans...”.

The plan itself should “reflect, to the extent that they exist, consideration of the area’s comprehensive long-range land use plan and metropolitan development objectives; national, state, and local housing goals and strategies; community development and employment plans and strategies; and employment plans and strategies...”.

Origin of Project

During the development of the first TRM model, the TAC raised two issues regarding representing the interaction of land use and transportation in the model as well as the need to incorporate non-motorized trips. Staff was directed to prepare a white paper dealing with the DCHC model goals. Based on the white paper, the TAC adopted the following goals and model needs:

- The forecast model should be capable of analyzing multimodal alternatives (i.e. it should be a tool that can provide demand estimates for both motorized and non-motorized options).
- The model should provide a feedback process for analyzing various land use scenarios.
- The model should have the ability to provide air quality evaluation.
- The model should be flexible and easily updated.
- Policy Relevance: A model that is sensitive and capable of analyzing relevant policy options (pricing, land use, TDM, etc).
- Flexibility: A model that allows analysis at varying level of detail and spatial and time scales (i.e. subarea, corridor, development impact, what ifs, long range, short range, etc.)
- Comprehensiveness: A model that represents a full range of travel decisions and potential options.

The TAC also approved the allocation of nearly \$1 million of STP-DA funds for these efforts. At the national level, Portland, Oregon in cooperation with TMIP, initiated the first symposium on land use-transportation model integration. The results from the national discussion on this subject matter will inform the MPO process. In recent years, due to requests by the TAC, the

LPA conducted a survey and review of land use model implementation at the MPO level. The effort resulted in the recommendation to use the UrbanSim platform.

Objectives:

Two policy objectives motivate this project:

1. Recent guidance from EPA and FHWA that encourages all MPO's to model interactions between land use development and transportation system enhancements
2. Request from the DCHC MPO TAC to include analysis of transportation system changes that may promote, discourage, or modify land development patterns as part of the LRTP analysis and other planning initiatives

These policy objectives will be met by implementing an integrated land use and transportation model system.

Synopsis of benefits:

- Land use scenario analysis and testing
- Evaluation of land use impacts on transportation and vice versa (received comments both from elected officials and the public during the previous LRTP update).
- Addresses the insensitivity of TRM to changes in "4D" (density, diversity, design and destination) characteristics. The insensitivities or "blind spots" are: 1) No consideration is given to the distances between land uses within a given TAZ; 2) Interaction between different non-residential land uses (e.g. offices and restaurants) not well represented; 3) Treatment of density largely ignored (e.g. a TAZ with a dense development in one corner is treated the same as a TAZ with the same population spread evenly throughout the area (uniform zonal distribution of SE data); and 4) Travel models grossly underestimate benefits of smart growth and transit – things that cannot be measured are lumped into bias constants.
- Land use model provides a useful tool for consistent and effective analysis of indirect and cumulative impacts, needed for the CTP and stressed in the SAFETEA-LU requirements.
- Land use model can better assess the benefits of smart growth and neo-traditional developments or new urbanism.
- Provides a better tool for analyzing induced traffic.

Applications:

UrbanSim is a decision support tool land use model that will be useful for examining the interactions between land use, transportation, the economy, and the environment (including air quality) for the DCHC MPO. Like any tool, it must be appropriate for the task for which it will be used. It should be able to, among other things, provide the DCHC MPO decision-makers and technical staff with information that is useful for the types of problems facing the metropolitan area. Some of these questions include the effect of the following actions on future travel patterns, air quality, and land use development:

- Pricing (e.g., land use tax/subsidies, road tolls, parking fees, vehicle ownership/licensing tax, fuel costs).

- Infrastructure and services (e.g., building of public housing, availability of land for schools and parks, providing public utilities, and transport system investment).
- Regulatory (e.g., Land-use, zoning, parking regulations, road speeds, environmental air quality/noise/safety restrictions).
- Education and marketing (e.g., changes in traveler behavior, value of time).
- Accessibility and Transit Oriented Developments (TOD) and non-motorized travel.
- Induced demand from highway expansion that might undermine the capacity expansion or alter travel patterns and thus future land use patterns.
- Equity analysis (various household income groups and industries), consumer surplus.
- Economic effects (e.g., indirect costs and benefits of investments, economic competitiveness and market accessibility to trade partners).

The proposed land use model must integrate with the Triangle Regional Model (TRM), a travel forecasting model for the region.

Proposed Approach:

A two-phased approach is proposed for the development and implementation of UrbanSim for the DCHC MPO:

1. Phase 1 will involve the development and implementation of UrbanSim at the “neighborhood” level. Essentially, this entails implementing a short term land use-transportation modeling capability for the DCHC MPO. This would be a version of UrbanSim modeling at a higher geographic level which should implement most, if not all, of the desired capabilities. It is anticipated that this would take about six (6) to nine (9) months and could be accomplished alongside the current TRM TransCad model enhancement. This will include effective benchmarks, back-casting and visualization tools. The thrust of this phase is three-fold: 1) to allow the MPO to review and evaluate the model performance; 2) propose any refinements; and 3) reassess resource requirements. Such a model would allow planners to explore land use-transport interactions on either a MPO or neighborhood/transit station-area basis, test various development scenarios, and examine likely land use impacts of a rapidly growing region and associated travel patterns. Such an implementation would provide experience with political and institutional agencies and constraints and data collection efforts at an early stage which would be helpful in long term model design and development.
2. Phase 2 will involve the development and implement of the full blown model at the parcel level or in grid cells. A more comprehensive and complex modeling system can be developed over the longer term. It would be capable of addressing the entire requirements of the UrbanSim model. It would incorporate or operate in tandem with the TRM major travel demand model update. The development time for such a model is expected to be between 18 and 24 months, and will depend upon the capabilities required, manpower and data availability, and deadlines imposed by the MPO transportation planning initiatives.

A phased development process will permit a continual review of model objectives throughout the life of the project, allowing mid-course corrections and additional data collection as required. The consultant should make recommendations regarding the utility of establishing a peer review for this project. Would a peer review panel result in a substantially better product, bring valuable

experience from projects to supplement the consulting team, and provide many invaluable suggestions for the proposed land model development and implementation? If a peer review is deemed vital for the success and oversight of this project, the consultant should propose potential candidates to be considered for a review panel for the model development work.

LPA staff resources:

Jeremy Raw – 96 hours

Felix Nwoko – 72 hours

Chao Wang – 48 hours

MPO Technical Team will be consulted to provide oversight

MPO Model Enhancements

1) Sub-area analysis tool

The purpose of this sub-area model enhancement is essentially to develop a tool that would allow for an in-depth evaluation of a multi-modal transportation system in relatively small geographic area or within a corridor. Generally, three techniques can be used to implement sub-area or to create subsets of the regional model:

1. Region-wide abstraction
2. Sub-area windowing
3. Sub-area focusing

Region-wide Abstraction

This technique is simply uniform aggregation of networks and zone information across the TRM boundary to create a coarse hierarchy – usually a district system.

Sub-area Windowing

Windowing is simply the extraction of the sub-area of interest (window) from the TRM and collapsing trip ends outside the window onto the window boundary much like the treatment of external stations in the original network.

In essence, this involves drawing a cordon around the focus area of analysis – e.g. Carolina North, and designating external stations outside the cordon. Within the focus area, network and zone details will be added, and trip tables that correspond to the revised network will be derived from the regional model trip table. Because the trip table is constant, this technique can only be used if the network, land use, and policy changes are not expected to significantly change trip generation, trip distribution, or mode split patterns.

Sub-area Focusing

Focusing is the abstraction of the focus of interest (e.g. Carolina North) from the regional model and abstraction of zones and network information outside the planning area boundary. In this technique, the current Triangle Regional Model (TRM) networks will be retained either in its entirety or in some detailed form within the sub-area. Likewise, zones will be represented in more detail where possible, especially along transit service areas. Outside the study or influence area, networks will be collapsed in some skeleton form, and zones will be aggregated into progressively larger zones as distance from the sub-area increases.

The resulting zone and network structure enable the modeling of the effects of SE data and policy changes, as well as network changes, because the entire travel forecast model chain can be run with the “focused” data set.

Recommended Technique

Sub-area focusing is recommended as a technique for creating subsets from the regional model for sub-area analysis. This technique is best suited for local and corridor analyses and major updates of the regional model when only a small sub-area is under investigation. The Federal Highway Administration (FHWA) sponsored the development of a sub-area focusing tool called

SAF. The program converts large regional datasets into focused datasets that can be output into any computer package format the user chooses.

Task involves the development of scripts and user interface within the TRM environment to permit sub-area analysis.

2) *Select Link Analysis Tool.*

MPO staff members are often asked to ascertain the origin and destination of trips along specific links. This is done through what is called select link analysis. The LPA staff was requested to conduct this analysis for Weaver Dairy Road in Chapel Hill and the erstwhile Eno Drive. Select link analysis is also used as a tool in the determination of the “Purpose and Need” of a project. This tool will be extremely useful tool for the CTP and 2035 LRTP update as well as fulfilling SAFETEA-LU planning requirements for metropolitan transportation plans.

Task involves development of scripts and user interface within the TRM environment to permit select link analysis.

3) *LRTP and AQ Performance Measures.*

As part of the development of the 2025 LRTP, the TAC approved performance measures and targets for evaluation of LRTP alternatives. The measures are as follows: travel time, average speed, total VMT, total VHT, VMT and VMT per capita, percent network experiencing congestion, hours of delay, mode share (SOV, HOV, rail, buses, bike and pedestrian), daily transit ridership, v/c ratio, etc. The TAC requested that the measures be summarized by county, district, and major activity center.

Task involves the development of scripts and user interface within the TRM environment to permit extraction of model results and intermediate outputs. Tasks will link the LRTP with mobile6 and air quality results.

Staff Resources

Jeremy Raw – 72 hours

Felix Nwoko – 72 hours

Chao Wang – 40 hours

ITS Deployment Plan Update)

Intelligent Transportation Systems (ITS) are applications of advanced transportation operation and communication technologies used to improve safety, relieve congestion and provide better information to travelers. The Federal Highway Administration (FHWA) issued a final rule to implement Section 5206(e) of the Transportation Equity Act for the 21st Century (TEA-21) in January of 2001. This final rule required that States develop regional ITS strategies which conform to the National ITS Architecture and applicable standards. To meet these requirements and ensure future federal funding eligibility, the North Carolina Department of Transportation (NCDOT), in cooperation with CAMPO and DCHC MPO, developed the Triangle regional ITS architectures and deployment plan. Update of the ITS deployment plan is required to provide a framework for Long Range Transportation Plan (LRTP) integration as well as to identify specific projects for TIP programming.

Objectives:

1. To update the Triangle regional ITS architecture and deployment plan.
2. To estimate the benefits and costs of ITS investments.

Previous Work:

1. Triangle regional ITS deployment plan in 2000

Proposed Activities:

1. Identify ITS needs and issues in the Triangle region.
2. Map the needs to the national ITS architecture to determine work scope.
3. Update the regional ITS architecture.
4. Update the deployment plan using Turbo Architecture 3.2 (the existing plan was developed with 1.0).
5. Develop communication plans and system engineering plans.
6. Evaluate the effectiveness of ITS strategies using software ITS Deployment Analysis System (IDAS).
7. Assess air quality benefits of ITS strategies.

Products:

1. Updated regional ITS architecture.
2. Updated regional ITS deployment plan.
3. Detailed cost estimates
4. Performance evaluation and Measures of effectiveness of ITS strategies
5. Reports of cost-benefit evaluation on ITS deployment plan.

Relationship to Other Plans and MPO Activities:

Update of the ITS deployment plan is required to provide a framework for LRTP integration as well as to identify specific projects for TIP programming. It is also closely related to CMS and air quality analysis etc.

Staff Resources

Felix Nwoko – 120

2006-2007 UPWP Major Emphasis Projects - Local Matching Funds Distribution

				Local	FHWA	Total
1	Bicycle and Pedestrian Trip (non-motorized) Model Enhancement	250,000				
			Durham	38,622	200,000	
			Town of Chapel Hill	8,463		
			Town of Carrboro	2,915		
			Orange County	0		
			Total	50,000	200,000	250,000
2	Travel Demand Model Major Update and Enhancement	187,500				
			Durham	28,966	150,000	
			Town of Chapel Hill	6,347		
			Town of Carrboro	2,187		
			Orange County	0		
			Total	37,500	150,000	187,500
3	Travel Survey Phase II: On-Board, External trips & Travel time/speed surveys	243,750				
			Durham	37,656	195,000	
			Town of Chapel Hill	8,251		
			Town of Carrboro	2,843		
			Orange County	0		
			Total	48,750	195,000	243,750
4	MPO Transportation Data Management/Automation & GIS Integration	200,000				
			Durham	30,897	160,000	

2006-2007 UPWP Major Emphasis Projects - Local Matching Funds Distribution

				Local	FHWA	Total
			Town of Chapel Hill	6,771		
			Town of Carrboro	2,332		
			Orange County	0		
			Total data automation/GIS	40,000	160,000	200,000
5	Land Use / Transportation/AQ Integration Model	250,000				
			Durham	38,622	200,000	
			Town of Chapel Hill	8,463		
			Town of Carrboro	2,915		
			Orange County	0		
			Total	50,000	200,000	250,000
6	Collector Street Plans	50,000				
			Durham	7,724	40,000	
			Town of Chapel Hill	1,693		
			Town of Carrboro	583		
			Orange County	0		
			Total	10,000	40,000	50,000
7	ITS Deployment Plan Update	70,000				
	Triangle Regional Architecture		Durham	10,814	56,000	
			Town of Chapel Hill	2,370		
			Town of Carrboro	816		

2006-2007 UPWP Major Emphasis Projects - Local Matching Funds Distribution

				Local	FHWA	Total
			Orange County	0		
			Total	14,000	56,000	70,000

8	Total matching funds	1,251,250				
			Durham	193,301	1,001,000	
			Town of Chapel Hill	42,357		
			Town of Carrboro	14,592		
			Orange County	0		
			Total	250,250	1,001,000	1,251,250

Funding Distribution & Agency Allocation Tables

MPO Funds Distribution by Agency		Durham-Chapel Hill-Carrboro Urban Area FY 2006-2007 Unified Planning Work Program Funding Distribution by Agency & Funding Sources												MPO Summary 4/20/2006 10:42											
		SPR Highway			STP-DA Sec. 133(b)(3)(7)			Section 104(f) PL			Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary					
		NCDOT		Local	FHWA		Local	FHWA		Local	NCDOT		Local	FTA		Local	NCDOT		Local	FTA		Local	NCDOT	Federal	Total
		20%	80%	20%	80%	20%	80%	10%	10%	80%	10%	10%	80%	10%	10%	80%	10%	10%	80%	10%	10%	80%			
Durham/DATA Carrboro Chapel Hill/CHT																									
Orange County TJCOG TTA NCDOT																									
Totals	\$12,300	\$49,200	\$443,900	\$1,775,600	\$154,135	\$616,541	\$24,096	\$24,096	\$192,768	\$217,056	\$217,056	\$1,736,445	\$0	\$0	\$0	\$284,702	\$4,370,554	\$5,463,192							

Summary MPO Funding Source Tables

MPO PL and STP-DA Tasks Funding Tables

FHWA Planning Funds MPO PL & STP-DA Total		Durham-Chapel Hill-Carrboro Urban Area FY 2006-2007 Unified Planning Work Program MPO PL & STP-DA Funding Tables								
Task Description	STP-DA Section 133(b)(3)(7)	PL Section 104(f)			Total FHWA Planning Funds					
		Local 20%	FHWA 80%	Total 100%	Local 20%	FHWA 80%	Total 100%	Local 20%	FHWA 80%	Total 100%
		II A	Surveillance of Change							
1	Traffic Volume Counts	0	0	0	3,404	13,617	17,021	3,404	13,617	17,021
2	Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0
3	Street System Changes	0	0	0	50	200	250	50	200	250
4	Traffic Accidents	0	0	0	550	2,200	2,750	550	2,200	2,750
5	Transit System Data	0	0	0	300	1,200	1,500	300	1,200	1,500
6	Dwelling Unit, Pop. & Emp. Change	0	0	0	1,000	4,000	5,000	1,000	4,000	5,000
7	Air Travel	0	0	0	0	0	0	0	0	0
8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0
9	Travel Time Studies	19,000	76,000	95,000	7,400	29,600	37,000	26,400	105,600	132,000
10	Mapping	2,319	9,274	11,593	150	600	750	2,469	9,874	12,343
11	Central Area Parking Inventory	800	3,200	4,000	0	0	0	800	3,200	4,000
12	Bike & Ped. Facilities Inventory	1,333	5,331	6,664	60	240	300	1,393	5,571	6,964
13	Bike & Ped. Counts	1,496	5,985	7,481	0	0	0	1,496	5,985	7,481
II B	Long Range Transp. Plan									
1	Collection of Base Year Data	0	0	0	0	0	0	0	0	0
2	Collection of Network Data	0	0	0	60	240	300	60	240	300
3	Travel Model Updates	185,842	743,367	929,209	0	0	0	185,842	743,367	929,209
4	Travel Surveys	49,881	199,525	249,406	0	0	0	49,881	199,525	249,406
5	Forecast of Data to Horizon year	0	0	0	5,889	23,556	29,445	5,889	23,556	29,445
6	Community Goals & Objectives	0	0	0	5,615	22,460	28,075	5,615	22,460	28,075
7	Forecast of Future Travel Patterns	0	0	0	1,546	6,184	7,730	1,546	6,184	7,730
8	Capacity Deficiency Analysis	0	0	0	9,892	39,566	49,458	9,892	39,566	49,458
9	Highway Element of th LRTP	0	0	0	3,969	15,877	19,846	3,969	15,877	19,846
10	Transit Element of the LRTP	40,000	160,000	200,000	12,019	48,077	60,096	52,019	208,077	260,096
11	Bicycle & Ped. Element of the LRTP	4,039	16,155	20,194	3,000	12,000	15,000	7,039	28,155	35,194
12	Airport/Air Travel Element of LRTP	0	0	0	0	0	0	0	0	0
13	Collector Street Element of LRTP	17,000	68,000	85,000	7,299	29,197	36,496	24,299	97,197	121,496
14	Rail, Water or other mode of LRTP	0	0	0	0	0	0	0	0	0
15	Freight Movement/Mobility Planning	0	0	0	659	2,634	3,293	659	2,634	3,293
16	Financial Planning	0	0	0	4,449	17,797	22,246	4,449	17,797	22,246
17	Congestion Management Strategies	56,250	225,000	281,250	11,571	46,283	57,854	67,821	271,283	339,104
18	Air Qual. Planning/Conformity Anal.	0	0	0	3,740	14,961	18,701	3,740	14,961	18,701
II C	Short Range Transit Planning									
1	Short Range Transit Planning	0	0	0	250	1,000	1,250	250	1,000	1,250
III-A	Planning Work Program	0	0	0	3,174	12,697	15,871	3,174	12,697	15,871
III-B	Transp. Improvement Plan	0	0	0	6,633	26,532	33,165	6,633	26,532	33,165
III-C	Cvl Rgts. Cmp./Otr. Reg. Reqs.									
1	Title VI	0	0	0	0	0	0	0	0	0
2	Environmental Justice	0	0	0	5,162	20,649	25,811	5,162	20,649	25,811
3	Minority Business Enterprise	0	0	0	40	160	200	40	160	200
4	Planning for the Elderly & Disabled	0	0	0	1,037	4,147	5,184	1,037	4,147	5,184
5	Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0
6	Public Involvement	0	0	0	5,127	20,506	25,633	5,127	20,506	25,633
7	Private Sector Participation	0	0	0	0	0	0	0	0	0
III-D	Incidental Plng./Project Dev.									
1	Transportation Enhancement Plng.	0	0	0	0	0	0	0	0	0
2	Enviro. Analysis & Pre-TIP Plng.	0	0	0	3,383	13,531	16,914	3,383	13,531	16,914
3	Special Studies	54,000	216,000	270,000	13,750	55,000	68,750	67,750	271,000	338,750
4	Regional or Statewide Planning	0	0	0	2,581	10,323	12,904	2,581	10,323	12,904
III-E	Management & Operations									
1	Management & Operations	11,941	47,763	59,704	30,377	121,507	151,884	42,318	169,270	211,588
Totals		443,900	1,775,600	2,219,500	154,135	616,541	770,676	598,035	2,392,141	2,990,176

MPO Composite Agency Tables - PL and STP-DA

Composite Agency Tables PL/STP-DA		Durham-Chapel Hill-Carrboro Urban Area FY 2005-2006 Unified Planning Work Program Composite Agency Tables (PL & STP-DA Funds)												MPO Summary								
		Chapel Hill			Carrboro			Orange			TLCOC					Durham			TTA			MPO
Task Description	Local 20%	FWVA 80%	Total 100%	Local 20%	FWVA 80%	Total 100%	Local 20%	FWVA 80%	Total 100%	Local 20%	FWVA 80%	Total 100%	Local 20%	FWVA 80%	Total 100%	Local 20%	FWVA 80%	Total 100%	Local 20%	FWVA 80%	Total 100%	
II A																						
1 Surveillance of Changing																						
2 Traffic Volume Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Street System Changes	0	0	0	50	200	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Traffic Accidents	0	0	0	150	600	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Transit System Data	0	0	0	300	1,200	1,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Dwelling Unit, Pop. & Emp. Change	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Travel Time Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Mapping	0	0	0	150	600	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Central Area Parking Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Bike & Ped. Facilities Inventory	0	0	0	60	240	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Bike & Ped. Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II B																						
1 Long Range Transp. Plan																						
2 Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Collection of Network Data	0	0	0	60	240	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Travel Model Updates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Travel Surveys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Forecast of Data to Horizon year	1,250	5,000	6,250	120	480	600	0	0	0	2,881	11,522	14,403	0	0	0	0	0	0	0	0	0	0
7 Community Goals & Objectives	0	0	0	60	240	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Forecast of Future Travel Patterns	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Capacity Deficiency Analysis	1,250	5,000	6,250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Highway Element of the L RTP	1,250	5,000	6,250	50	200	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Transit Element of the L RTP	40,000	160,000	200,000	100	400	500	0	0	0	9,250	37,000	46,250	0	0	0	0	0	0	0	0	0	0
12 Bicycle & Ped. Element of the L RTP	2,500	10,000	12,500	500	2,000	2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 Airport/Air Travel Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 Collector Street Element of L RTP	0	0	0	75	300	375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 Rail, Water or other mode of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 Freight Movement/Mobility Planning	2,500	10,000	12,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Congestion Management Strategies	0	0	0	600	2,400	3,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	1,410	5,640	7,050	602	2,408	3,010	1,728	6,913	8,641	0	0	0	0	0	0	0
III C																						
1 Short Range Transit Planning																						
2 Short Range Transit Planning	0	0	0	250	1,000	1,250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III A																						
1 Planning Work Program	250	1,000	1,250	300	1,200	1,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III B																						
1 Transp. Improvement Plan	500	2,000	2,500	400	1,600	2,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III C																						
1 Cvi Rqts. Cmp./Otr. Reg. Rqrs.																						
2 Title VI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Environmental Justice	0	0	0	60	240	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Minority Business Enterprise	0	0	0	40	160	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Planning for the Elderly & Disabled	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Public Involvement	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Private Sector Participation	0	0	0	150	600	750	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III D																						
1 Incidental Png./Project Dev.																						
2 Transportation Enhancement Png.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Enviro. Analysis & Pre-TIP Png.	0	0	0	100	400	500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Special Studies	1,250	5,000	6,250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Regional or Statewide Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III E																						
1 Management & Operations	5,749	22,996	28,745	2,716	10,864	13,580	0	0	0	0	0	0	33,853	135,410	169,263	0	0	0	42,318	169,270	211,588	0
Totals	56,499	225,996	282,495	6,341	25,364	31,705	1,410	5,640	7,050	12,733	50,930	63,663	489,803	1,959,211	2,449,014	31,250	125,000	156,250	598,053	2,392,141	2,990,176	0

NOTE: Section 9 carryover funds are not reflected (NOT included)

MPO Consulting Services Breakdown

**Durham-Chapel Hill-Carrboro Urban Area
FY 2006-2007 Unified Planning Work Program
Consulting Services Breakdown**

DCHC MPO Total

	Task Description	STP-DA 133(b)(3)(7)						Section 104(f) - PL									
		Staff		Consulting		Total STP-DA		Staff		Consulting		Total PL					
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%				
II A	Surveillance of Change																
1	Traffic Volume Counts	0	0	0	0	0	0	2,000	8,001	1,404	5,616	3,404	13,617				
2	Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0				
3	Street System Changes	0	0	0	0	0	0	50	200	0	0	50	200				
4	Traffic Accidents	0	0	0	0	0	0	550	2,200	0	0	550	2,200				
5	Transit System Data	0	0	0	0	0	0	300	1,200	0	0	300	1,200				
6	Dwelling Unit, Pop. & Emp. Change	0	0	0	0	0	0	1,000	4,000	0	0	1,000	4,000				
7	Air Travel	0	0	0	0	0	0	0	0	0	0	0	0				
8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0				
9	Travel Time Studies	0	0	19,000	76,000	19,000	76,000	2,400	9,600	5,000	20,000	7,400	29,600				
10	Mapping	2,319	9,274	0	0	2,319	9,274	150	600	0	0	150	600				
11	Central Area Parking Inventory	800	3,200	0	0	800	3,200	0	0	0	0	0	0				
12	Bike & Ped. Facilities Inventory	1,333	5,333	0	0	1,333	5,333	60	240	0	0	60	240				
13	Bike & Ped. Counts	1,496	5,985	0	0	1,496	5,985	0	0	0	0	0	0				
II B	Long Range Transp. Plan																
B	Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0				
2	Collection of Network Data	0	0	0	0	0	0	60	240	0	0	60	240				
3	Travel Model Updates	10,142	40,567	175,700	702,800	185,842	743,367	0	0	0	0	0	0				
4	Travel Surveys	1,131	4,525	48,750	195,000	49,881	199,525	0	0	0	0	0	0				
5	Forecast of Data to Horizon year	0	0	0	0	0	0	5,889	23,556	0	0	5,889	23,556				
6	Community Goals & Objectives	0	0	0	0	0	0	5,615	22,460	0	0	5,615	22,460				
7	Forecast of Future Travel Patterns	0	0	0	0	0	0	1,546	6,184	0	0	1,546	6,184				
8	Capacity Deficiency Analysis	0	0	0	0	0	0	9,892	39,566	0	0	9,892	39,566				
9	Highway Element of th L RTP	0	0	0	0	0	0	3,969	15,877	0	0	3,969	15,877				
10	Transit Element of the L RTP	0	0	40,000	160,000	40,000	160,000	12,019	48,077	0	0	12,019	48,077				
11	Bicycle & Ped. Element of the L RTP	4,039	16,155	0	0	4,039	16,155	3,000	12,000	0	0	3,000	12,000				
12	Airport/Air Travel Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0				
13	Collector Street Element of L RTP	1,000	4,000	16,000	64,000	17,000	68,000	1,299	5,197	6,000	24,000	7,299	29,197				
14	Rail, Water or other mode of L RTP	0	0	0	0	0	0	0	0	0	0	0	0				
15	Freight Movement/Mobility Planning	0	0	0	0	0	0	659	2,634	0	0	659	2,634				
16	Financial Planning	0	0	0	0	0	0	4,449	17,797	0	0	4,449	17,797				
17	Congestion Management Strategies	31,250	125,000	25,000	100,000	56,250	225,000	4,347	17,387	7,224	28,896	11,571	46,283				
18	Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	2,330	9,321	1,410	5,640	3,740	14,961				
II C	Short Range Transit Planning																
I	Short Range Transit Planning	0	0	0	0	0	0	250	1,000	0	0	250	1,000				
III-A	Planning Work Program																
	Planning Work Program	0	0	0	0	0	0	3,174	12,697	0	0	3,174	12,697				

	Transp. Improvement Plan																							
III-B				0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,633	26,532	0	0	6,633	26,532	
III-C																								
	Civil Rgts. Cmp/Otr .Reg. Reqs.																							
1	3 Title VI			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Environmental Justice			0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,162	20,649	0	0	5,162	20,649	
3	Minority Business Enterprise			0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	160	0	0	40	160	
4	Planning for the Elderly & Disabled			0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,037	4,147	0	0	1,037	4,147	
5	Safety/Drug Control Planning			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	Public Involvement			0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,127	20,506	0	0	5,127	20,506	
7	Private Sector Participation			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
III-D																								
	Incidental Png./Project Dev.																							
1	Transportation Enhancement Png.			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	Enviro. Analysis & Pre-TIP Png.			0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,383	13,531	0	0	3,383	13,531	
3	Special Studies			10,000	40,000	54,000	216,000	64,000	256,000	13,750	55,000	2,527	9,306	16,077	64,306	10,323	0	0	0	0	0	0	0	0
4	Regional or Statewide Planning			0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,581	10,323	0	0	2,581	10,323	
III-E																								
	Management & Operations																							
1	Management & Operations			11,941	47,763	378,450	1,513,800	453,900	1,815,600	30,377	121,507	23,365	93,458	156,462	625,847	10,323	0	0	0	0	0	0	0	0
Totals				\$75,450	\$301,800	\$378,450	\$1,513,800	\$453,900	\$1,815,600	\$133,097	\$52,389	\$23,365	\$93,458	\$156,462	\$625,847	10,323	0	0	0	0	0	0	0	0

Task Descriptions and Summary

Task Descriptions and Summary Narratives for FY 2006-07 UPWP

II-A: Surveillance of Change

The MPO is required by federal regulations and the 3C process to perform continuous data monitoring and maintenance. A number of transportation and socio-economic/demographic conditions will be continuously surveyed and compiled annually to determine whether previous projections are still valid or whether plan assumptions need to be changed. Surveillance of Change tasks are described in the following sections and agency responsibilities are summarized. Also, expected work products/deliverables and proposed schedule/accomplishment dates are provided as well.

Task II-A-1: Traffic Volume Counts

Automatic traffic counts and turning movement counts at specified locations. Maintain ADT counts and database for model calibration on arterial, minor arterial, and collector streets. Produce 2005-05 count location and traffic volume maps.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	13,617	3,404	17,021	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	0	0	0	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	13,617	3,404	17,021	Total	0	0	0	0

Task II-A-2: Vehicle Miles of Travel

No activities proposed, therefore no funds programmed.

Task II-A-3: Street System Mileage Change

The MPO will update inventory of improvements to municipal street system. Update inventory of signalization on existing major streets to provide accurate inputs for the Triangle Regional Model (TRM). The MPO will monitor changes in street mileage systems from the previous year and summarize inventory by functional classification. The Town of Chapel Hill, the Town of Carrboro, and the City of Durham will obtain from the NCDOT Division 7 and 5 offices and compile in database, improvements to the state highway system, whether planned, underway, or completed. Each municipality will compile and maintain similar records for its municipal street system. The MPO municipalities participating in the Powell Bill Program will certify street mileage

maintained during this fiscal year. The product of this task will feed into the proposed MPO Data Integration/Automation and Management Systems. The objective is that, periodically or as changes or additions to the major street system occur, street inventory will be updated and current through proposed data automation and management system.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	0	0	0	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	200	50	250	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	200	50	250	Total	0	0	0	0

Task II-A-4: Traffic Accidents

The DCHC MPO will collect traffic accident data and prepare summary and analysis of high accident locations. Compare data analysis to previous years’ results. Build off of and support the safety work of the NCDOT and MPO municipal governments. The task will feed into the MPO Congestion Management Systems (CMS) and the Mobility Report Card.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	1,600	400	2,000	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	600	150	750	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	2,200	550	2,750	Total	0	0	0	0

Task II-A-5: Transit System Data

Short range transit planning efforts will be conducted by the MPO transit providers, the Durham Area Transit Authority (DATA), Chapel Hill Transit (CHT), and the Triangle Transit Authority (TTA). This will include a short range transit services plan to evaluate transit service performance, development of cross-town route(s), develop universities/college route(s) and consolidate and develop bus stop standards. Transit operators will identify strengths and weaknesses of service by route in order to assess service barriers and future options. Information will be used to monitor service and meet FTA reporting requirements.

	Federal	Local	Total
Durham	0	0	0
Chapel Hill	0	0	0
Carrboro	1,200	300	1,500
Orange	0	0	0
TTA	0	0	0
TJCOG	0	0	0
Total	1,200	300	1,500

	Federal	State	Local	Total
DATA	58,312	7289	7289	72890
CHT	0	0	0	0
TTA	0	0	0	0
Total	58,312	7,289	7,289	72,890

Task II-A-6: Dwelling Unit / Population and Employment Changes

Maintain inventory of dwelling units and population to determine needed changes in transportation services to meet current and projected demands. Review developments to assess impacts to the 2030 LRTP, the model update, and transportation project development. Changes in dwelling units and employment within the MPO will be identified and evaluated to determine accuracy and consistency with the socio-economic forecast. The MPO will review and tabulate Census data, local parcel, zoning, tax data records, InfoUSA and Employment Security Commission data as part of this monitoring tasks. The MPO will commence the first phase of Data Automation/Integration and Management System.

FHWA Funds			
	Federal	Local	Total
Durham	4,000	1,000	5,000
Chapel Hill	0	0	0
Carrboro	0	0	0
Orange	0	0	0
TTA	0	0	0
TJCOG	0	0	0
Total	4,000	1,000	5,000

FTA Transit Funds				
	Federal	State	Local	Total
DATA	0	0	0	0
CHT	0	0	0	0
TTA	0	0	0	0
Total	0	0	0	0

Task II-A-7: Air Travel

No activities proposed, therefore no funds programmed.

Task II-A-8: Vehicle Occupancy Rates

No activities proposed, therefore no funds programmed.

Task II-A-9: Travel Time Studies

The MPO will conduct travel-time runs on selected links during peak period to provide accurate inputs for applications such as the travel model update and the CMS.

FHWA Funds			
	Federal	Local	Total
Durham	105,600	26,400	132,000
Chapel Hill	0	0	0
Carrboro	0	0	0
Orange	0	0	0
TTA	0	0	0
TJCOG	0	0	0
Total	105,600	26,400	132,000

FTA Transit Funds				
	Federal	State	Local	Total
DATA	0	0	0	0
CHT	0	0	0	0
TTA	0	0	0	0
Total	0	0	0	0

Task II-A-10: Mapping

This task will include but not limited to mapping of and updates to UPWP transportation planning activities such as the CMS, traffic counts, bicycle and pedestrian counts and inventory, transit routes, land use, traffic analysis zones, socio-economic and demographic trends, and environmental factors. The proposed data and GIS automation/integration will serve as a platform for maintaining and updating of data in GIS format.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	9,274	2,319	11,593	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	25,000	3125	3125	31250
Carrboro	600	150	750	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	9,874	2,469	12,343	Total	25,000	3,125	3,125	31,250

Task II-A-11: Central Area Parking Inventory

The MPO will collect, as part of CMS/Mobility Report Card, inventory of on- and off-street parking facilities in the Central Business Districts (CBD) and universities. Parking data to be collected include, number of spaces, parking fee rates (hourly daily, and monthly), average weekday costs and demand. Parking information collected will help in the calibration and maintenance of the travel model.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	3,200	800	4,000	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	0	0	0	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	3,200	800	4,000	Total	0	0	0	0

Task II-A-12: Bike & Pedestrian. Facilities Inventory

The MPO will conduct inventory of bicycle and pedestrian facilities as part of the CMS/Mobility Report Card. The proposed inventory will to provide accurate inputs for the travel model update as well as help identify future sidewalk project needs, guide pedestrian improvement planning, and to support specific projects, such as the Comprehensive Bicycle Plan and Comprehensive Pedestrian Plan.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	5,331	1,333	6,664	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	240	60	300	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	5,571	1,393	6,964	Total	0	0	0	0

Task II-A-13: Bicycle and Pedestrian Counts

An inventory of bicycle and pedestrian counts will be conducted as part of the CMS/Mobility Report Card. The proposed inventory will guide pedestrian improvement planning, and to support specific projects, such as the Comprehensive Bicycle Plan and Comprehensive Pedestrian Plan

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	5,985	1,496	7,481	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	0	0	0	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	5,985	1,496	7,481	Total	0	0	0	0

II-A: Long Range Transportation Plan Activities

Federal Law (as updated by TEA-21) and USDOT’s Metropolitan Planning Regulations, require the MPO to have a Long-Range Transportation Plan (LRTP) that is: multi-modal, financially constrained, has a minimum 20 year horizon, adhere to the MPO’s adopted Public Involvement Policy (PIP), have growth forecasts consistent with latest planning assumptions and local land use plan, meet air quality conformity and be approved by the Transportation Advisory Committee. The LRTP must be updated and reaffirmed every 4 years. The following tasks describe long range transportation planning work activities proposed for the 2006-07 UPWP.

Task II-B-1: Collection of Base Year Data

No activities proposed, therefore no funds programmed

Task II-B-2: Collection of Network Data

The Town of Carrboro will collect transportation network data.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	0	0	0	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	240	60	300	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	240	60	300	Total	0	0	0	0

Task II-B-3: Travel Model Updates

Update of the Triangle Regional Model (TRM) including conversion and full implementation of model from Tranplan to TransCad. Proposed tasks include model improvements and enhancements, work associated with the calibration of the 2005 base model, commencement of the first phase of the MPO land use model and non-motorized trip sub model. The MPO will carry out other tasks needed to support the Triangle Regional Model update, including providing the MPO’s share of the Service Bureau funding and 50% FTE.

	Federal	Local	Total
Durham	743,367	185,842	929,209
Chapel Hill	0	0	0
Carrboro	0	0	0
Orange	0	0	0
TTA	0	0	0
TJCOG	0	0	0
Total	743,367	185,842	929,209

	Federal	State	Local	Total
DATA	0	0	0	0
CHT	0	0	0	0
TTA	100,000	12500	12500	125000
Total	100,000	12,500	12,500	125,000

Task II-B-4: Travel Surveys

The MPO will provide its share of funding for the collection travel surveys proposed for the Triangle region. The central purpose of the survey is to collect information on origins and destinations, traveler behavior, transit ridership, commercial vehicle usage, work place commuting, freight movement, etc. which would provide accurate inputs for the travel model update. The Service Bureau will be conducting following travel surveys for the TRM update: (1) External station/external-internal trip; (2) transit onboard survey; (3) travel time/speed survey; (4) special generators (including universities) survey.

FHWA Funds			
	Federal	Local	Total
Durham	199,525	49,881	249,406
Chapel Hill	0	0	0
Carrboro	0	0	0
Orange	0	0	0
TTA	0	0	0
TJCOG	0	0	0
Total	199,525	49,881	249,406

FTA Transit Funds				
	Federal	State	Local	Total
DATA	0	0	0	0
CHT	0	0	0	0
TTA	10,000	1250	1250	12500
Total	10,000	1,250	1,250	12,500

Task II-B-5: Forecast of Data to Horizon Year

The MPO will project demographic and socio-economic factors described in Task II-B-1 into plan horizon year and air quality intermediate years. Forecasts will be generated for County control totals and traffic analysis zones. Forecasts will be made consistent with local land use plans and in corporation with local Planning Departments.

FHWA Funds			
	Federal	Local	Total
Durham	6,554	1,639	8,193
Chapel Hill	5,000	1,250	6,250
Carrboro	480	120	600
Orange	0	0	0
TTA	0	0	0
TJCOG	11,522	2,881	14,403
Total	23,556	5,889	29,445

FTA Transit Funds				
	Federal	State	Local	Total
DATA	0	0	0	0
CHT	5,000	625	625	6,250
TTA	0	0	0	0
Total	5,000	625	625	6,250

Task II-B-6: Community Goals and Objectives

The MPO will re-evaluate community goals and objectives for the 2035 Long range Transportation Plan (LRTP) and the Comprehensive Transportation Plan (CTP). The process of formulating and re-evaluating goals will begin with visioning exercise. The MPO will conduct public meetings to assess community vision in terms of transportation, land use, growth, quality of life, etc. The expected work products will be adopted goals and objectives, and targets and policy framework for achieving goals.

FHWA Funds			
	Federal	Local	Total
Durham	22,220	5,555	27,775
Chapel Hill	0	0	0
Carrboro	240	60	300
Orange	0	0	0
TTA	0	0	0
TJCOG	0	0	0
Total	22,460	5,615	28,075

FTA Transit Funds				
	Federal	State	Local	Total
DATA	0	0	0	0
CHT	0	0	0	0
TTA	0	0	0	0
Total	0	0	0	0

Task II-B-7: Forecast of Future Travel Patterns

MPO will generate travel demand forecasts for future years including the LRTP horizon and air quality intermediate years. The forecast of travel patterns will include a review of these factors and comparison to community goals and objectives to determine if changes in assumptions are warranted.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	6,184	1,546	7,730	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	0	0	0	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	6,184	1,546	7,730	Total	0	0	0	0

Task II-B-8: Capacity Deficiency Analysis

The MPO will conduct a capacity deficiency analysis as part of the 2035 LRTP, CTP and CMS. The analysis will be made to determine existing and existing-plus-committed deficiencies.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	34,566	8,642	43,208	DATA	0	0	0	0
Chapel Hill	5,000	1,250	6,250	CHT	2,456	307	307	3070
Carrboro	0	0	0	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	39,566	9,892	49,458	Total	2,456	307	307	3,070

Task II-B-9: Highway Element of the LRTP

The MPO will begin evaluation of highway elements of the Comprehensive Transportation Plan and the 2035 LRTP. Performance measures will be established for evaluating highway alternatives.

FHWA Funds			
	Federal	Local	Total
Durham	10,677	2,669	13,346
Chapel Hill	5,000	1,250	6,250
Carrboro	200	50	250
Orange	0	0	0
TTA	0	0	0
TJCOG	0	0	0
Total	15,877	3,969	19,846

FTA Transit Funds				
	Federal	State	Local	Total
DATA	0	0	0	0
CHT	0	0	0	0
TTA	0	0	0	0
Total	0	0	0	0

Task II-B-10: Transit Element of the LRTP

The MPO will begin evaluation of transit elements of the Comprehensive Transportation Plan and the 2035 LRTP. Transit evaluate will include fixed-route bus service, fixed-guideway transit, highway capacity transit and demand responsive transit. Using travel behavior, ridership forecasts and other analysis, evaluation of transit element will look at unmet needs, new services areas and potential markets. Performance measures will be established for evaluating transit alternatives.

FHWA Funds			
	Federal	Local	Total
Durham	10,677	2,669	13,346
Chapel Hill	160,000	40,000	200,000
Carrboro	400	100	500
Orange	0	0	0
TTA	0	0	0
TJCOG	37,000	9,250	46,250
Total	208,077	52,019	260,096

FTA Transit Funds				
	Federal	State	Local	Total
DATA	6,202	775.25	775.25	7752.5
CHT	20,000	2500	2500	25000
TTA	0	0	0	0
Total	26,202	3,275	3,275	32,753

Task II-B-11: Bicycle & Pedestrian Element of the LRTP

The MPO will begin evaluation of bicycle and pedestrian elements of the Comprehensive Transportation Plan and the 2035 LRTP. The MPO will continue work on the Durham Comprehensive pedestrian Plan and the Old Durham-Chapel Hill Road bicycle and

pedestrian feasibility study. Work will commence on the development of the Durham Comprehensive Bicycle Plan.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	16,155	4,039	20,194	DATA	0	0	0	0
Chapel Hill	10,000	2,500	12,500	CHT	0	0	0	0
Carrboro	2,000	500	2,500	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	28,155	7,039	35,194	Total	0	0	0	0

Task II-B-12: Airport/Air Travel Element of LRTP

No activities proposed, therefore no funds programmed. This work task will commence in the FY 2007-08 UPWP period.

Task II-B-13: Collector Street Element of LRTP

The MPO will also undertake the development of an MPO wide Collector Street Plan and circulation study. This is envisioned to involve the identification of future collector street connectivity needs, provisions for local street connectivity, development ordinance implementation provisions, additional local government consultation, and public involvement.

	Federal	Local	Total		Federal	State	Local	Total
Durham	96,897	24,224	121,121	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	300	75	375	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	97,197	24,299	121,496	Total	0	0	0	0

Task II-B-14: Rail, Water, or other mode of LRTP

No activities proposed, therefore no funds programmed

Task II-B-15: Freight Movement/Mobility Planning

MPO will undertake tasks associated with urban goods movement, specifically freight accessibility and mobility. Tasks to be undertaken include survey of freight carriers, recommendations for improving truck mobility or train/truck intermodal movements, and identifying acceptable truck routes.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	2,634	659	3,293	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	0	0	0	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	2,634	659	3,293	Total	0	0	0	0

Task II-B-16: Financial Planning

The MPO, on an as-needed basis, will examine financial options for funding proposed transportation projects and programs, including review the financial planning assumptions/ projections in the 2030 LRTP and refinement of cost estimates as necessary. The Lead Planning Agency (LPA) will participate in regional efforts geared toward identifying new and alternative funding sources, including new taxing strategies, impact fees, and public-private partnerships.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	7,797	1,949	9,746	DATA	0	0	0	0
Chapel Hill	10,000	2,500	12,500	CHT	5,000	625	625	6250
Carrboro	0	0	0	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	17,797	4,449	22,246	Total	5,000	625	625	6,250

Task II-B-17: Congestion Management Systems Strategies

The MPO will work to implement and monitor the Congestion Management System (CMS) in accordance with the provisions of 23 U.S.C. and 23 CFR. Specifically, the MPO will continue on the development of CMS strategies and State of the Systems Report. This task also includes management of the MPO TDM programs by TTA.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	143,883	35,971	179,854	DATA	11,227	1403.375	1403.38	14033.8
Chapel Hill	0	0	0	CHT	3,056	382	382	3820
Carrboro	2,400	600	3,000	TTA	0	0	0	0
Orange	0	0	0					
TTA	125,000	31,250	156,250					
TJCOG	0	0	0					
Total	271,283	67,821	339,104	Total	14,283	1,785	1,785	17,854

Task II-B-18: Air Quality Planning/Conformity Analysis

The DCHC MPO (the Transportation Advisory Committee) is responsible in making a determination as to whether or not transportation plans, programs, and projects (LRTP and TIP) conform to air quality standards and the intent of the SIP. The LPA will continue to provide technical support to the TAC and TCC regarding air quality planning. In addition the LPA will continue participation in the development and application of State Implementation Plans for air quality, participation in the Statewide interagency

consultation, and providing assistance to NCDENR in developing and maintaining mobile source emission inventories.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	6,913	1,728	8,641	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	0	0	0	TTA	0	0	0	0
Orange	5,640	1,410	7,050					
TTA	0	0	0					
TJCOG	2,408	602	3,010					
Total	14,961	3,740	18,701	Total	0	0	0	0

Task II-C: Short Range Transit Planning

The MPO transit operators will continue activities related to short range transit planning. This includes continuous evaluation of their respective transit development plans and service performance.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	0	0	0	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	1,000	125	125	1250
Carrboro	1,000	250	1,250	TTA	970,000	121250	121250	1212500
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	1,000	250	1,250	Total	971,000	121,375	121,375	1,213,750

Task III-A: Planning Work Program

Administer the FY 2005-2006 UPWP and prepare and process amendments as needed. Evaluate transportation planning work needs and emphasis areas and prepare the FY 2007-2008 UPWP. To prepare and continually maintain a Unified Planning Work Program (UPWP) that describes all transportation and transportation-related planning

activities anticipated within the DCHC MPO planning area for the FY 2007-2008. To develop, maintain, and complete the UPWP in conformance with applicable federal, state, and regional guidelines. To prepare UPWP amendments as necessary and requested by member agencies, to reflect any change in programming or focus for the current fiscal year.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	10,497	2,624	13,121	DATA	25,191	3148.875	3148.88	31488.75
Chapel Hill	1,000	250	1,250	CHT	6,000	750	750	7500
Carrboro	1,200	300	1,500	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	12,697	3,174	15,871	Total	31,191	3,899	3,899	38,989

Task III-B: Transportation Improvement Program (TIP)

Amend FY 2006-2012 MTIP as needed. Continue to develop FY 2007 – 2013 MTIP. This includes the refinement of the MPO Priority Needs and the identification of the transportation projects, programs, and services towards which the MPO will direct STP DA funds. As the Lead Planning Agency (LPA) of the DCHC MPO, the City of Durham, Transportation Division is responsible for annually developing, amending, adjusting and maintaining the Transportation Improvement Program (TIP) for the metropolitan area. Under this activity, the LPA will update and amend the current, seven-year program of transportation improvement projects (MTIP) that is consistent with the 2025 Long-Range Transportation Plan, STIP, the State Implementation Plan (SIP), EPA Air Quality Conformity Regulations and FHWA/FTA Planning Regulations.

FHWA Funds			
	Federal	Local	Total
Durham	22,932	5,733	28,665
Chapel Hill	2,000	500	2,500
Carrboro	1,600	400	2,000
Orange	0	0	0
TTA	0	0	0
TJCOG	0	0	0
Total	26,532	6,633	33,165

FTA Transit Funds				
	Federal	State	Local	Total
DATA	1,711	213.875	213.875	2138.75
CHT	2,000	250	250	2500
TTA	0	0	0	0
Total	3,711	464	464	4,639

Task III-C: Civil Rights Compliance/Other Regulations and Requirements

Task III-C-1: Title VI

The federal legislation and regulations requires that the MPO comply with all the requirements imposed by Title VI of the Civil Rights Act of 1964 (78 Stat. 252), 49 U.S.C. 2000D TO 2000-D-4; the Regulations of DOT issued thereafter in the Code of Federal Regulations (commonly and herein referred to as CFR) Title 49, Subtitle A, Part 21), and the assurance by the MPO pursuant thereto. Accordingly, the MPO will continue to provide an update of Civil Rights statistics report to determine MPO compliance to civil rights provisions.

FHWA Funds			
	Federal	Local	Total
Durham	0	0	0
Chapel Hill	0	0	0
Carrboro	0	0	0
Orange	0	0	0
TTA	0	0	0
TJCOG	0	0	0
Total	0	0	0

FTA Transit Funds				
	Federal	State	Local	Total
DATA	0	0	0	0
CHT	3,000	375	375	3750
TTA	0	0	0	0
Total	3,000	375	375	3,750

Task III-C-2: Environmental Justice (EJ)

In accordance with Federal Action (Executive Order 12898), the will develop an Environmental Justice Plan which will focus on complying with the Executive Order and the three basic principles of Environmental Justice: 1) Ensure adequate public involvement of low-income and minority groups in decision-making; 2) Prevent disproportionately high and adverse impacts to low-income and minority groups resulting from transportation and environmental decisions made by the MPO; and 3) Assure that low-income and minority groups receive a proportionate share of benefits resulting from transportation decisions made by the MPO. Tasks include:

1. Develop MPO Environmental Justice Plan, including establishment of Environmental Justice Advisory Board
2. Update demographic profiles based on Census CTPP and PUMS as well as MPO SE data forecasts - maps to identify areas of low-income, minority and elderly populations, job accessibility, and overlay of major employers, fixed route transit systems, and major shopping areas.
3. Provide increased opportunities for under-served populations to be represented in the transportation planning process.
4. Define target areas through the use of Census Block Group data from the 2000 Census.
5. Analyze the mobility of target area populations to jobs, childcare, and transit routes.
6. Review existing public outreach and involvement plan.
7. Develop a protocol for responding to issues and concerns regarding Environmental Justices in general and Hispanic population in particular.
8. Conduct analysis as needed regarding equitable distribution of transportation system benefits and costs among all socio-economic groups throughout the MPO area

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	20,409	5,102	25,511	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	3,000	375	375	3,750
Carrboro	240	60	300	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	20,649	5,162	25,811	Total	3,000	375	375	3,750

Task III-C-3: Minority Business Enterprise

The MPO will continue to address and monitor the Minority Business Enterprise (MBE) program as a part of the planning and programming phases of project development. The MPO will monitor transportation projects and programs to ensure that meaningful and

full consideration are given to MBEs. The LPA will review and summarize transit operators MBE program and utilization.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	0	0	0	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	10,000	1250	1250	12500
Carrboro	160	40	200	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	160	40	200	Total	10,000	1,250	1,250	12,500

Task III-C-4: Planning for the Elderly & Disabled

The MPO will continue to emphasize planning and provision of transportation facilities and services for the elderly and disabled. Specifically, the MPO will update inventory of locations and needs of elderly and disabled persons. The MPO will work with transit operators in the planning and evaluation of para-transit services.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	3,947	987	4,934	DATA	40,000	5000	5000	50000
Chapel Hill	0	0	0	CHT	10,000	1250	1250	12500
Carrboro	200	50	250	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	4,147	1,037	5,184	Total	50,000	6,250	6,250	62,500

Task III-C-5: Safety/Drug Control Planning

No funds programmed.

Task III-C-6: Public Involvement

The MPO will continue to provide an early, proactive and a meaningful public participation and input throughout the transportation planning process, including providing for open exchange of information and ideas between the public and transportation decision-makers. To provide the public with complete information, timely notice, full access to key decisions and opportunities for early and continuing involvement in the 3C process. To assess the effectiveness of the current Public Involvement Process as required by the federal Certification Team, and to develop and enhance the process of public dissemination of information. Proposed tasks include:

1. Refine the current Public Participation Process as needed.
2. Apply the Public Involvement Process to transportation programs and tasks:
3. Public meetings, workshops, and outreach programs to increase public participation, information dissemination, and education.
4. Update and maintenance of website.
5. Update and maintenance of mailing list database
6. Quarterly MPO newsletters, and project specific news letters.
7. Support of Citizen Advisory Committee

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	19,906	4,977	24,883	DATA	37,632	4704	4704	47040
Chapel Hill	0	0	0	CHT	6,000	750	750	7500
Carrboro	600	150	750	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	20,506	5,127	25,633	Total	43,632	5,454	5,454	54,540

Task III-C-7: Private Sector Participation

No funds programmed.

III-D Incidental Planning/Project Development

No funds programmed.

Task III-D-1: Transportation Enhancement Planning

No funds programmed

Task III-D-2: Environmental Analysis & Pre-TIP Planning

The LPA will continue to participate regularly and consistently in the TIP project planning & development process, including submission of comments, attending public meetings, attending scoping meetings, attending NEPA 404 merger meetings, and participating in field inspections. The LPA will be involved in the East End Connector NEPA process including taking the lead in the public involvement process. The MPO will continue to support and be involved in NCDOT efforts to link NEPA process in the MPO systems planning process.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	13,131	3,283	16,414	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	0	0	0	0
Carrboro	400	100	500	TTA	0	0	0	0
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	13,531	3,383	16,914	Total	0	0	0	0

Task III-D-3 Special Studies

The MPO will be engaged in wide range of studies which will be conducted to meet the transportation planning needs of the area. These studies are expected to include a The Green House Gas Emissions Inventory/Action and MPO Air quality Initiatives, I-40 HOV/HOT Financial feasibility Study, Triangle Parkway Toll Road feasibility study, the East End Connector environmental study, ITS Regional Architecture Deployment Plan, the US15501 Transit Corridor Alignment study, TTA Phase 1 Rail Study, Regional Financing study, etc.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	266,000	66,500	332,500	DATA	0	0	0	0
Chapel Hill	5,000	1,250	6,250	CHT	55,000	6875	6875	68750
Carrboro	0	0	0	TTA	100,000	12500	12500	125000
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	271,000	67,750	338,750	Total	155,000	19,375	19,375	193,750

Task III-D-4: Regional or Statewide Planning

The MPO will continue to coordinate with CAMPO, TTA, NCDOT, DENR, FHWA, FTA, EPA, and other State and regional agencies in regional transportation. This includes participation in the DCHC-CAMPO joint TAC meetings, TTA Board Meetings, Durham-Chapel Hill-Orange County Work Group, and a wide range of regional transportation planning working groups and committees. Examples include the Model Team, the Executive Committee, and the regional transit planning/operation coordination. Statewide planning includes participation in various statewide planning initiatives such as CMAQ Committee, Indirect and Cumulative Impacts of Transportation Projects in North Carolina, the State Transportation Plan process, and the Comprehensive Transportation Plan.

FHWA Funds				FTA Transit Funds				
	Federal	Local	Total		Federal	State	Local	Total
Durham	10,323	2,581	12,904	DATA	0	0	0	0
Chapel Hill	0	0	0	CHT	10,000	1250	1250	12500
Carrboro	0	0	0	TTA	45,000	5625	5625	56250
Orange	0	0	0					
TTA	0	0	0					
TJCOG	0	0	0					
Total	10,323	2,581	12,904	Total	55,000	6,875	6,875	68,750

Task III-E: Management and Operations

This work element encompasses the administration and support of the 3-C transportation planning process as mandated and required by federal regulations. The continuing transportation planning process requires considerable administrative time for attending monthly committee meetings, preparing agendas and minutes to these meetings, training, preparing quarterly progress reports, documenting expenditures for the various planning work items, and filing for reimbursement of expenditures from the PL and STP-DA funds account and other Federal Funds. To assist, support, and facilitate an open Comprehensive, Cooperative, and Continuing (3C) transportation planning and programming process at all levels of government in conformance with applicable federal and state requirements and guidelines as described in the 3C Memorandum of Understanding. Proposed tasks include but not limited to:

1. Provide liaisons between DCHC MPO member agencies, transit providers, CAMPO, NCDOT, DENR, TJCOG, and other organizations at the local, regional, state, and federal levels on transportation related matters, issues and actions.
2. Work with the Capital Area Metropolitan Planning Organization (CAMPO) on regional issues. Prepare Regional Priority lists and MTIP and amend as necessary, Update transportation plans, travel demand model, and monitor data changes. Evaluate transportation planning programs developed through the 3C public participation process for appropriate MPO action.
3. Provide technical assistance to the Transportation Advisory Committee (TAC) and other member jurisdictions policy bodies.
4. Participate in Joint CAMPO/DCHC TCC and TAC meetings as a means to continually improve the quality and operation of the transportation planning process and decision making in the Triangle Region.
5. Review and comment on federal and state transportation-related plans, programs, regulations and guidelines.
6. Prepare and distribute TAC and TCC meeting agendas Attend TAC, TCC and other meetings associated with MPO planning activities.

FHWA
Funds

	Federal	Local	Total
Durham	135,410	33,853	169,263
Chapel Hill	22,996	5,749	28,745
Carrboro	10,864	2,716	13,580
Orange	0	0	0
TTA	0	0	0
TJCOG	0	0	0
Total	169,270	42,318	211,588

FTA
Transit
Funds

	Federal	State	Local	Total
DATA	269,482	33685.25	33685.3	336852.5
CHT	79,944	9993	9993	99930
TTA	0	0	0	0
Total	349,426	43,678	43,678	436,783

Appendices

Agency Project Descriptions and Funding Source Tables

City of Durham
Durham/LPA Task Funding Table
Durham/LPA Task description and Narrative
Consulting Services Breakdown
DATA Transit (FTA) Table
DATA Transit (FTA) Narrative
FTA Disadvantaged Business Contracting Opportunities Form

Durham-Chapel Hill-Carrboro Urban Area
 FY 2006-2007 Unified Planning Work Program
 Proposed Funding Source Tables

Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary				
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total	
II A Surveillance of Change																		
1 Traffic Volume Counts	0	0	3,404	13,617	0	0	0	0	0	0	0	0	0	3,404	-	13,617	17,021	
2 Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
3 Street System Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
4 Traffic Accidents	0	0	400	1,600	0	0	0	0	0	0	0	0	0	400	-	1,600	2,000	
5 Transit System Data	0	0	0	0	7,289	7,289	58,312	0	0	0	0	0	0	7,289	7,289	58,312	72,890	
6 Dwelling Unit, Pop. & Emp. Change	0	0	1,000	4,000	0	0	0	0	0	0	0	0	0	1,000	-	4,000	5,000	
7 Air Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
8 Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
9 Travel Time Studies	19,000	76,000	7,400	29,600	0	0	0	0	0	0	0	0	0	26,400	-	105,600	132,000	
10 Mapping	2,319	9,274	0	0	0	0	0	0	0	0	0	0	0	2,319	-	9,274	11,593	
11 Central Area Parking Inventory	800	3,200	0	0	0	0	0	0	0	0	0	0	0	800	-	3,200	4,000	
12 Bike & Ped. Facilities Inventory	1,333	5,331	0	0	0	0	0	0	0	0	0	0	0	1,333	-	5,331	6,664	
13 Bike & Ped. Counts	1,496	5,985	0	0	0	0	0	0	0	0	0	0	0	1,496	-	5,985	7,481	
II B Long Range Transp. Plan																		
1 Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
2 Collection of Network Data	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
3 Travel Model Updates	185,842	743,367	0	0	0	0	0	0	0	0	0	0	0	185,842	-	743,367	929,209	
4 Travel Surveys	49,881	199,525	0	0	0	0	0	0	0	0	0	0	0	49,881	-	199,525	249,406	
5 Forecast of Data to Horizon year	0	0	1,639	6,554	0	0	0	0	0	0	0	0	0	1,639	-	6,554	8,193	
6 Community Goals & Objectives	0	0	5,555	22,220	0	0	0	0	0	0	0	0	0	5,555	-	22,220	27,775	
7 Forecast of Future Travel Patterns	0	0	1,546	6,184	0	0	0	0	0	0	0	0	0	1,546	-	6,184	7,730	
8 Capacity Deficiency Analysis	0	0	8,642	34,566	0	0	0	0	0	0	0	0	0	8,642	-	34,566	43,208	
9 Highway Element of th LRTP	0	0	2,669	10,677	0	0	0	0	0	0	0	0	0	2,669	-	10,677	13,346	
10 Transit Element of the LRTP	0	0	2,669	10,677	0	0	0	0	0	0	775	775	6,202	3,445	775	16,879	21,099	
11 Bicycle & Ped. Element of the LRTP	4,039	16,155	0	0	0	0	0	0	0	0	0	0	0	4,039	-	16,155	20,194	
12 Airport/Air Travel Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
13 Collector Street Element of LRTP	17,000	68,000	7,224	28,897	0	0	0	0	0	0	0	0	0	24,224	-	96,897	121,121	
14 Rail, Water or other mode of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
15 Freight Movement/Mobility Planning	0	0	659	2,634	0	0	0	0	0	0	0	0	0	659	-	2,634	3,293	
16 Financial Planning	0	0	1,949	7,797	0	0	0	0	0	0	0	0	0	1,949	-	7,797	9,746	
17 Congestion Management Strategies	25,000	100,000	10,971	43,883	0	0	0	0	0	0	1,403	1,403	11,227	37,374	1,403	155,110	193,888	
18 Air Qual. Planning/Conformity Anal.	0	0	1,728	6,913	0	0	0	0	0	0	0	0	0	1,728	-	6,913	8,641	
II C Short Range Transit Planning																		
1 Short Range Transit Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
III-A Planning Work Program																		
1 Planning Work Program	0	0	2,624	10,497	0	0	0	0	0	0	3,149	3,149	25,191	5,773	3,149	35,688	44,610	
III-B Transp. Improvement Plan																		
1 Transp. Improvement Plan	0	0	5,733	22,932	0	0	0	0	0	0	214	214	1,711	5,947	214	24,643	30,804	
III-C Cvl Rgts. Cmp/Otr .Reg. Reqs.																		
1 Title VI	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
2 Environmental Justice	0	0	5,102	20,409	0	0	0	0	0	0	0	0	0	5,102	-	20,409	25,511	
3 Minority Business Enterprise	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
4 Planning for the Elderly & Disabled	0	0	987	3,947	5,000	5,000	40,000	0	0	0	0	0	0	5,987	5,000	43,947	54,934	
5 Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
6 Public Involvement	0	0	4,977	19,906	0	0	0	0	0	0	4,704	4,704	37,632	9,681	4,704	57,538	71,923	
7 Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
III-D Incidental Ping./Project Dev.																		
1 Transportation Enhancement Ping.	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	
2 Enviro. Analysis & Pre-TIP Ping.	0	0	3,283	13,131	0	0	0	0	0	0	0	0	0	3,283	-	13,131	16,414	

Durham-Chapel Hill-Carrboro Urban Area FY 2006-2007 Unified Planning Work Program Proposed Funding Source Tables												Durham 4/20/2006 10:54					
City of Durham/LPA																	
Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
3 Special Studies	54,000	216,000	12,500	50,000	0	0	0	0	0	0	0	0	66,500	-	266,000	332,500	
4 Regional or Statewide Planning	0	0	2,581	10,323	0	0	0	0	0	0	0	0	2,581	-	10,323	12,904	
III-E Management & Operations																	
1 Management & Operations	11,941	47,763	21,912	87,647	0	0	0	33,685	33,685	269,482	0	0	0	67,538	33,685	404,892	506,115
Totals	\$372,650	\$1,490,600	\$117,153	\$468,611	\$12,289	\$12,289	\$98,312	\$43,931	\$43,931	\$351,445	\$0	\$0	\$0	\$546,022	\$56,220	\$2,408,968	\$3,011,210

City of Durham/LPA UPWP Funding Table Tasks Narrative

Task II-A-1: Traffic Volume Counts

The MPO will continue traffic counts data collection at specific locations. These counts will augment triennial traffic counts collected by NCDOT. Traffic counts will include daily, hourly, vehicle classification, or turning movements. The Municipalities will be responsible for obtaining counts at specified locations on the Urban Area Municipal Street System and for furnishing the raw daily traffic counts, count information, and location maps to the Lead Planning Agency (LPA).

The LPA plans to take approximately 20 traffic counts and 100 turning movement counts at locations that will be representative of the street system as a whole. The traffic volume counts will be at 15-minute intervals, bi-directional, and collected for a minimum of 48 hours so they can be used to determine peak hour spreading.

Objectives:

1. To collect traffic counts and turning movements throughout the planning area; and,
2. To monitor traffic growth and provide continuous updates.

Previous Work:

1. 2003 traffic counts collected as part of the Mobility Report Card;
2. Turning movement counts 2005;
3. Screenline counts for the 2002 TRM update;
4. ADT counts, 2004-2005;
5. NCDOT triennial counts and ADT maps;
6. Updated the DCHC traffic count library by supplementing the NCDOT count locations in the region and performing traffic counts for communities on a limited request basis;
7. Update and maintain the DCHC traffic count database; and
8. Continue to expand the DCHC traffic count database to include the hourly breakdown of traffic counts.

Proposed Activities:

1. Collect 48-hour traffic count for surveillance of change;
2. Collect turning movement counts;
3. Develop the DCHC traffic count library by supplementing the NCDOT count locations within the metropolitan area;
4. Develop MPO Count database/GIS and mapping; and,
5. Conduct four monthly traffic counts to collect seasonal traffic information which will assist in the development of adjustment factors and growth rates.

Products:

1. Summary reports of daily traffic count information for the MPO;
2. Compilation of peak period turning movement counts; and,
3. Seasonal adjustment factors and growth rates specific to the DCHC region.

Completion Date:

June 2007.

Proposed Budget and Level of Effort (Staff and/or Consulting):

Tasks will largely be undertaken with consulting help and temporary staffing. MPO staff will oversee project, provide project management and review work products. Traffic counts will be conducted when schools are in session. Anticipated completion date is June 2007.

LPA Staff hours - 500 hours

Consulting - \$10,000

Funding Commitments from Other Entities:

None applicable.

Task II-A-4: Traffic Accidents

The DCHC MPO will collect traffic accident data and prepare summary and analysis of high accident locations. Data will be compared to previous years' results. This task will build from and support the safety work of the NCDOT and MPO municipal governments. The task will feed into the MPO Congestion Management Systems (CMS) and the Mobility Report Card.

Objectives:

1. To improve the safety of the transportation system; and,
2. To integrate accident analysis into MPO planning activities.

Previous Work:

1. 2005 accident data.
2. Accident data for CMS and Mobility Report Card.

Proposed Activities:

1. Collect traffic accident data from NCDOT's Traffic Engineering Accident;
2. Summarize accident data from Analysis System (TEAAS) program and municipal governments;
3. Prepare a summary and analysis of high accident locations;
4. Compare traffic accident data to previous years; and,

5. Integrate traffic accident analyses into other MPO planning activities.

Products:

1. Summary reports of high accident locations; and,
2. Customized data and analysis information for other MPO planning activities.

Relationship to Other Plans and MPO Activities:

Traffic accident data will be used in the analysis for the Congestion Management System (CMS), Mobility Report Card, Regional Priority List ranking analysis and project level analyses.

Completion Date:

June 2006.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will be undertaken by LPA and municipal staff.

Consulting - \$0

Staff effort – 100 person hours

Funding Commitments from Other Entities:

NCDOT maintains the TEAAS program that will be used in this task.

Task II-A-5: Transit System Data

Short range transit planning efforts will be conducted by the MPO transit providers, the Durham Area Transit Authority (DATA), Chapel Hill Transit (CHT), and the Triangle Transit Authority (TTA). This will include a short range transit services plan to evaluate transit service performance, development of cross-town route(s), develop universities/college route(s) and consolidate and develop bus stop standards. Transit operators will identify strengths and weaknesses of service by route in order to assess service barriers and future options. Information will be used to monitor service and meet FTA reporting requirements.

Objectives:

1. To evaluate and monitor transit services; and,
2. To fulfill FTA reporting requirements.

Previous Work:

1. The three transit systems continuously compile data and evaluate system performance.

2. 2005 Section 15 transit data.
3. Boarding and alighting counts
4. 2005 Transit system data for CMS and Mobility Report Card

Proposed Activities:

1. Create a short range transit services plan;
2. Develop new routes to serve cross-town and university travel demand;
3. Consolidate and develop bus stop standards;
4. Create reports on system performance by route; and,
5. Prepare reports to fulfill FTA requirements.

Products:

1. Summary reports of transit system performance; and,
2. Reports to fulfill FTA requirements

Relationship to Other Plans and MPO Activities:

Transit system data will be used to influence route changes and service expansions. Transit system data will also be used in the development of the Long Range Transportation Plan, Regional Transit Vision Plan, and Transit Master Plan.

Completion Date:

Transit system data will be compiled continuously. Reports for specific projects and initiatives will be created on an as-needed basis. Reports for the FTA will be completed to fulfill requirements and meet deadlines throughout the year.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will largely be undertaken by the MPO transit operators; Chapel Hill Transit (CHT), the Durham Area Transit Authority (DATA) and the Triangle Transit Authority (TTA). The LPA will tabulate and summarize data as well as maintain database information.

Funding Commitments from Other Entities:

None.

Task II-A-6: Dwelling Unit, Population, and Employment Change

LPA and municipal planning staff will maintain an inventory of dwelling units, population, and employment to determine needed changes in transportation services to meet current and projected demands. Staff will review new developments to assess impacts to the 2030 LRTP, the model update, and transportation project development. Changes in dwelling units and employment within the MPO will be identified and

evaluated to determine accuracy and consistency with the socio-economic forecast. The MPO will review and tabulate Census data, local parcel, zoning, tax data records, and InfoUSA and Employment Security Commission data as part of this monitoring task. The MPO will commence the first phase of the Data Automation/Integration and Management System.

Objectives:

1. To monitor changes in dwelling units, population, and employment change; and,
2. To provide current data for MPO planning activities.

Previous Work:

Dwelling unit, population, and employment data has been collected for 10 years. This data is integral to many planning and modeling activities.

Proposed Activities:

1. Review new developments and certificates of occupancy for dwelling unit, population, and employment changes;
2. Obtain data from the Census, InfoUSA, ESC, and local governments;
3. Compare changes to the socio-economic forecast; and,
4. Develop the Data Automation/Integration and Management System to streamline this task.

Products:

1. Summary reports of socio-economic data;
2. Updated socio-economic data for use in the Triangle Regional Model and other MPO planning activities; and,
3. Data Automation/Integration and Management System.

Relationship to Other Plans and MPO Activities:

Dwelling unit, population, and employment change data will be used in the Triangle Regional Model. The Triangle Regional Model is used in many MPO planning activities including the Long Range Transportation Plan, the Congestion Management System and Mobility Report Card.

Completion Date:

Dwelling unit, population, and employment data will be compiled on a continual basis.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will be undertaken by LPA and municipal staff.

Consulting - \$0
Staff effort – 250 person hours

Funding Commitments from Other Entities:

None.

Task II-A-9: Travel Time Studies

The MPO will conduct travel-time runs on selected links during peak period to provide accurate inputs for applications such as the travel model update and the CMS.

Task II-A-10: Mapping

This task will include but not limited to mapping of and updates to UPWP transportation planning activities such as the CMS, traffic counts, bicycle and pedestrian counts and inventory, transit routes, land use, traffic analysis zones, socio-economic and demographic trends, and environmental factors. The proposed data and GIS Automation/Integration will serve as a platform for maintaining and updating of data in GIS format.

Objectives:

1. To provide maps for use in various MPO planning activities; and,
2. To maintain updated geospatial information for transportation analyses.

Previous Work:

The LPA has prepared mapping for various MPO activities such as the 2030 LRTP, 2006-12 Regional Priority project Lists, 2006-12 MTIP, functional classification based on the 2000 Census, MPO urbanized area maps, MAB, etc.

Proposed Activities:

1. Collect updated geospatial information from local governments;
2. Integrate local government geospatial information into region-wide geospatial information;
3. Create files and maps containing MPO transportation information; and,
4. Develop the Data Automation/Integration and Management System to streamline this task.

Products:

1. Maps for various MPO planning activities;
2. Region-wide GIS files; and,
3. Data Automation/Integration and Management System.

Relationship to Other Plans and MPO Activities:

GIS data will be used in many MPO activities such as the Triangle Regional Model, Long Range Transportation Plan, the Congestion Management System, and Mobility Report Card, Functional classification update, TIP Regional Priority List, 2007-2013 MTIP development, Greenhouse Gas emission Study and Action Plan, and other MPO transportation planning activities.

Completion Date:

GIS data will be compiled on a continual basis. Mapping will be completed as needed for various projects. GIS data integration and automation is anticipated to be completed in 2007.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will be undertaken by LPA and municipal staff.

Staff effort – 350 person hours

Funding Commitments from Other Entities:

None.

Task II-A-11: Central Area Parking Inventory

The MPO will inventory of on- and off-street parking facilities in the Central Business Districts (CBD) and universities as part of the Congestion Management System and Mobility Report Card. Parking data to be collected include, number of spaces, parking fee rates (hourly daily, and monthly), average weekday costs and demand. Parking information collected will help in the calibration and maintenance of the travel model.

Objectives:

1. To provide parking information for use in the Triangle Regional Model, Congestion Management System, and Mobility Report Card.
2. Parking cost model to improve model mode choice model
3. Provide linkage between CBD parking and Travel Demand Management (TDM)

Previous Work:

None.

Proposed Activities:

1. Inventory on- and off-street parking facilities in the Central Business Districts and at universities; and,
2. Integrate and customize parking data for use in MPO planning activities and the Triangle Regional Model.

Products:

1. Database of parking facilities;
2. Region-wide GIS files containing parking data; and,
3. Reports on parking facilities for use in MPO planning activities.

Relationship to Other Plans and MPO Activities:

Parking data will be used in the Triangle Regional Model, the Congestion Management System, and Mobility Report Card.

Completion Date:

June 2006.

Proposed Budget and Level of Effort (Staff and/or Consulting):

Tasks will be undertaken by LPA and municipal staff.

Staff effort – 200 person hours

Funding Commitments from Other Entities:

None.

Task II-A-12: Bicycle and Pedestrian Facilities Inventory

The MPO will conduct inventories of bicycle and pedestrian facilities as part of various regional planning activities. The proposed inventory will provide accurate inputs for the travel model update as well as help identify future bicycle and sidewalk project needs, guide bicycle and pedestrian improvement planning, and support specific projects, such as the Old Durham-Chapel Hill Road Bicycle/Pedestrian Feasibility Study. In addition, this work will help Lead Planning Agency staff when processing materials for state/federal grant applications and identifying facility improvement requests.

Objectives:

1. To collect information on existing and proposed bicycle and pedestrian facilities throughout the MPO area;
2. To monitor traffic growth and provide continuous updates on potential bicycle and pedestrian facilities;
3. To monitor NCDOT, MPO and local project work for opportunities for improvements to bicycle and pedestrian facilities, e.g. spot improvements, street resurfacings, etc.; and,
4. To ensure that bicycle and pedestrian facility implementation occurs in compliance with local, state and federal guidelines.

Previous Work:

1. Collected bicycle and pedestrian facility information for CMAQ, TE and STP-DA grant processes;
2. Collected bicycle and pedestrian facility information for planning studies, such as the Old Durham-Chapel Hill Rd Bicycle/Pedestrian Feasibility Study; and,
3. Coordinated with NCDOT and other agencies regarding potential bicycle and pedestrian facility improvements, as incidental or independent projects.

Proposed Activities:

1. To collect digital images of various planned bicycle and pedestrian routes;
2. Collect bicycle and pedestrian facility information for CMAQ, TE and STP-DA grant processes;
3. Collect bicycle and pedestrian facility information for regional planning studies; and,
4. Coordinate with NCDOT and other agencies on potential bicycle and pedestrian facility improvements, as incidental or independent projects.

Products:

Work products will include digital images, maps and other visual representations of facilities, as well as indirect products related to plans, communications, and project applications.

Relationship to Other Plans and MPO Activities:

The facility inventory will be used for regional planning efforts, grant application processes, and other regionally coordinated activities.

Completion Date:

Facility inventory to be conducted as needed on a year round basis.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will largely be undertaken by regular full-time staff, as needed throughout the year. MPO staff will provide project management and review work products, as related to various regional plans undertaken by the MPO.

Regular, Full-time Staffing time – year round
Staff effort – approximately 275 person hours

Funding Commitments from Other Entities:

None

Task II-A-13: Bike & Ped Counts

An inventory of bicycle and pedestrian counts will be conducted as part of the CMS/Mobility Report Card. The proposed inventory will guide bicycle and pedestrian improvement planning, and to support specific projects such as the Comprehensive Bicycle Plan and Comprehensive Pedestrian Plan.

Objectives:

1. To collect data on current bicycle and pedestrian facility use; and,
2. To monitor traffic growth and provide continuous updates on bicycle and pedestrian latent demand.

Previous Work:

Collected bicycle and pedestrian facility information for various local and regional projects and planning activities.

Proposed Activities:

1. Collect 48-hour traffic count as part of CMS and Mobility Report Card;
2. Collect turning movement counts as part of the CMS;
3. Develop the DCHC traffic count library by supplementing the NCDOT count locations within the metropolitan area;
4. Develop MPO Count database/GIS and mapping; and,
5. Conduct four monthly traffic counts to collect seasonal traffic information, which will assist in the development of adjustment factors and growth rates.

Products:

1. Summary reports of daily traffic count information for the MPO;
2. Compilation of peak period turning movement counts; and,
3. Seasonal adjustment factors and growth rates specific to the DCHC region.

Relationship to Other Plans and MPO Activities:

Bicycle and pedestrian count data to be used for model validation, model analysis, CMS, air quality analysis, etc.

Completion Date:

June 2006.

Proposed Budget and Level of Effort (Staff and/or Consulting):

Tasks will largely be undertaken with temporary staffing. The LPA staff will oversee project, provide project management and review work products. Inventory and counts will be conducted when schools are in session. Anticipated completion date is June 2007.

Staff effort – approximately 298 person hours

Funding Commitments from Other Entities:

None

Task II-B-3: Travel Model Updates:

Update of the Triangle Regional Model (TRM) including conversion and full implementation of model from Tranplan to TransCad. Proposed tasks include model improvements and enhancements, work associated with the calibration of the 2005 base model, commencement of the first phase of the MPO land use model and non-motorized trip sub model. The MPO will carry out other tasks needed to support the Triangle Regional Model update, including providing the MPO's share of the Service Bureau funding and 50% FTE.

Objectives:

To ensure that DCHC MPO policymakers and the MPO member agencies have modeling tools at their disposal to support analysis of non-motorized (bicycling and walking) travel impacts of project and policy alternatives. In particular, the model should be sensitive to demographic and land use changes that might increase or decrease the number and location of non-motorized trips, as well as to other factors such as the impact of facility changes and improvements, travel demand management programs, and other factors that have been demonstrated to have an effect on non-motorized travel.

Previous Work:

1. A simple framework for identifying non-motorized travel has been part of the Triangle Regional Model since its inception; and,
2. The recent model update commissioned by TTA for its New Starts application, and currently being built into the Triangle Regional Model includes trip generation improvements that relate the propensity for non-motorized trips to demographic and land use characteristics.

Proposed Activities:

1. Develop a scope of work with a qualified consultant to reach the DCHC MPO's goals for non-motorized travel modeling;
2. Develop a non-motorized trip destination component to complement the work already undertaken on trip generation in time for use in the 2035 LRTP analyses;
3. Develop a work program to design and implement additional non-motorized travel enhancements in conjunction with the TRM Major Model Update; and,
4. Implement the TRM Major Model Update non-motorized travel enhancements, including model implementation and additional data collection.
5. Commence the development of the MPO land use model.
6. Work on the 2005 TRM update and validation.

7. Work on the major TRM update
8. MPO model enhancements – sub-area analysis, select analysis, LRTP and air quality interface and scripts

Products:

1. Non-motorized modeling extensions for the trip generation and trip distribution steps in the TRM for use in LRTP alternative analysis
2. Additional non-motorized modeling extensions as part of the TRM Major Model Update. These extensions may entail internal modifications to the TRM, as well as new data requirements.
3. MPO model enhancement: sub-area analysis capability, select link analysis, user interface and scripts for LRTP and air quality.
4. Validation of the 2005 model update to be used in the LRTP, CTP and other technical analyses.
5. Statistical analysis of survey results and the development of the major model update intermediate specification and parameters.

Relationship to Other Plans and MPO Activities:

Non-motorized modeling has not been of interest to the other TRM stakeholders, but is of great interest to DCHC MPO stakeholders. These extensions will be used in development of the LRTP, in Air Quality Conformity Determination, and in various special studies in which non-motorized travel effects may be of interest.

Completion Date:

1. Initial non-motorized modeling extensions will be complete along with the TRM update; and,
2. Further non-motorized modeling extensions will be developed alongside the TRM Major Model Update.

Proposed Budget and Level of Effort (Staff or Consulting):

Consulting/Temporary Staffing time –Consultants will be retained by DCHC MPO for assistance in the development of the non-motorized model components, MPO model enhancements and land use model.

Consulting - \$878,500

Staff effort – 1340 person hours.

Funding Commitments from Other Entities:

CAMPO, NCDOT and TTA are participants of the Triangle Regional Model development, update and maintenance. Each participant is contributing \$100,000 for the model Service Bureau functions as well as funds for the TRM update.

Task II-B-4: Travel Surveys

The MPO will provide its share of funding for the collection travel surveys proposed for the Triangle region. The central purpose of the survey is to collect information on origins and destinations, traveler behavior, transit ridership, commercial vehicle usage, work place commuting, freight movement, etc. which would provide accurate inputs for the travel model update. The Service Bureau will be conducting following travel surveys for the TRM update: (1) External station/external-internal trip; (2) transit onboard survey; (3) travel time/speed survey; (4) special generators (including universities) survey.

Objectives:

The MPO will participate in regional data collection for the Triangle Regional Model and other transportation planning purposes. Three surveys are proposed for 2006-2007:

1. Transit On-Board Survey;
2. External Trip Survey; and,
3. Travel Time and Speed Survey.

Each of these surveys will produce vital information for calibrating the Triangle Regional Model and validating its performance, and provide some supplemental information for developing transit plans and for the Congestion Management System.

Previous Work:

A major data collection effort was started in 2005 in order to support the Triangle Regional Model Major Update, and to improve the validation of the model that will be used for the 2035 LRTP analysis starting in fall 2006. A twelve-county household travel survey covering the Triangle and adjacent counties is underway in spring 2006, and a transit boarding and alighting survey was conducted for all regional transit agencies in fall 2005. In addition, NCDOT has performed special counts at approximately 400 additional locations in the Triangle along with their regular biennial traffic counts.

Proposed Activities:

Three surveys will be completed. The Transit On-Board survey will collect complete information on origins, destinations and travel path for a statistically significant number of trips on every transit route in the triangle (approximately 7000 trip records). The External Trip Survey will evaluate trips entering, leaving and passing through the area in order to develop correct calibration targets for the Triangle Regional Model. The Travel Time and Speed Survey will comprehensively assess travel speed characteristics on different roadway facility types, free-flow and congested travel times between important destinations and along significant travel corridors, and bus speeds and travel times in relation to traffic congestion. The Travel Time and Speed Survey is important for trustworthy future forecasts since it will provide data about how travelers in the Triangle area respond to changes in levels of congestion, as well as providing data about speeds

and travel times that are used in calibrating the model.

Products:

1. Transit onboard surveys for DATA, Chapel Hill Transit, Duke University, and the TTA.
2. Report of survey statistical and modeling analyses and summarization.

Relationship to Other Plans and MPO Activities:

These surveys provide some of the fundamental ground counts necessary to ensure that the Triangle Regional Model performs correctly, both in reproducing observed travel patterns and in forecasting future activity.

Completion Date:

These surveys will be complete by spring 2007.

Proposed Budget and Level of Effort (Staff or Consulting):

Consulting/Temporary Staffing time –All work collecting and collating data for these surveys will be undertaken by consultants, under the oversight of staff at the Triangle Regional Model Service Bureau.

Staff effort – LPA staff will be involved in regional stakeholder technical team meetings to establish the work scope for each survey, to evaluate the survey results, and to make these results available to DCHC MPO member agencies.

Consulting - \$243,750

Staff hours – 130 person hours

Funding Commitments from Other Entities:

Each of the four TRM stakeholders (DCHC MPO, CAMPO, NCDOT, and TTA) are participating at various levels in these surveys.

Task II-B-5: Forecast of Data to Horizon Year

The LPA will project base year demographic and socio-economic data-1 into plan horizon year and air quality intermediate years (LRTP horizon year is 2035 and intermediate years for air quality analyses are 2008, 2010, 2011, 2014, 2020 2025, 2030, 2035). Forecasts will be generated for County control totals and traffic analysis zones. Forecasts will be made consistent with local land use plans and in corporation with local Planning Departments.

Objectives:

1. To develop regionally consistent forecasts of future year socio-economic data.

2. Develop future forecast for population, dwelling units, households, income, vehicle ownership, university beds, counts, etc

Previous Work:

1. Work has been ongoing by LPA staff, staff at DCHC MPO member agencies, and others throughout 2005-2006 to develop a consistent regional methodology for constructing future year land use and socio-economic forecasts; and,
2. Preliminary forecasts will be finalized in early summer 2006

Proposed Activities:

1. Continue to work with LPA partners to collect future land use information and to develop and check future year forecasts;
2. Acquire benchmark data for evaluating correctness of future year forecasts, and perform the evaluation;
3. Develop maps, tables and other presentation materials for review of the forecasts by elected officials and the public in local jurisdictions and also at the MPO level; and,
4. Coordinate public review of the future year forecasts and seek formal adoption of the forecasts by the DCHC MPO TAC.

Products:

1. Forecasts of land use and socio-economic data for use in the 2035 LRTP; and,
2. Presentation materials based on those forecasts for public review.

Relationship to Other Plans and MPO Activities :

1. Future year forecasts are an essential element in preparing analyses of alternatives for the 2035 LRTP and for all land use and transportation modeling activities.

Completion Date:

1. Forecasts for use in developing the 2035 LRTP are anticipated to be adopted by the TAC in fall 2006 or spring of 2007.

Proposed Budget and Level of Effort (Staff or Consulting):

Consulting/Temporary Staffing time – None anticipated; some funds will be applied to defray costs of materials and to acquire benchmark data from private sector forecasting companies.

Staff effort – 200 person hours.

Funding Commitments from Other Entities:

Parallel efforts are underway in CAMPO, and joint staff work has been undertaken to ensure consistency of results. However each MPO is funding its own work.

Task II-B-6: Community Goals and Objectives

The MPO will re-evaluate community goals and objectives for the 2035 Long range Transportation Plan (LRTP) and the Comprehensive Transportation Plan (CTP). The process of formulating and re-evaluating goals will begin with visioning exercise. The MPO will conduct public meetings to assess community vision in terms of transportation, land use, growth, quality of life, etc. In addition, the MPO will establish performance targets that will likely be related to mobility, transit use, TDM use, air quality, financial and economics concerns, environmental justice, and land use. The expected work products will be adopted goals and objectives and targets, and a policy framework for achieving the goals.

Objectives:

1. To develop updated set of Goals and Objectives, and targets; and,
2. To involve citizens in a visioning process help update the Goals and Objectives, and targets.
3. Develop policy statements for the LRTP and CTP

Previous Work:

1. Goals and Objectives and targets in 2030 LRTP; and,
2. List of citizens and leaders who might be interested in participating in the process to update the Goals and Objectives and targets.

Proposed Activities:

1. Conduct public workshops to complete citizen visioning process;
2. Develop community visions
3. Develop draft Goals, Objectives and Targets
4. Conduct public workshops, meetings and hearing to receive input on proposed Goals and Objectives and targets; and,
5. Adopt Goals and Objectives and targets.

Products:

1. Citizen transportation vision; and,
2. Updated Goals and Objectives and targets.

Relationship to Other Plans and MPO Activities:

Updating the Goals and Objectives and targets will be the first public step in developing the 2035 LRTP

Completion Date:

The citizen vision process will begin fall 2006, and the update Goals and Objectives and targets will be adopted winter 2006/2007.

Proposed Budget and Level of Effort (Staff or Consulting):

LPA and local government staff will manage and implement the process to complete a citizen vision and update the Goals and Objectives and targets.

Staff effort – 716 person hours

Funding Commitments from Other Entities:

None.

Task II-B-7: Forecast of Future Travel Patterns

MPO will generate travel demand forecasts for future years including the LRTP horizon and air quality intermediate years. The forecast of travel patterns will include a review of these factors and comparison to community goals and objectives to determine if changes in assumptions are warranted. Essentially, this task encompasses application of the Triangle Regional Model and other modeling tools to forecast future travel patterns (distribution of trips, volume of travel, vehicle miles traveled, levels of congestion, etc.).

Objectives:

1. Produce model runs as required to support the MPO planning process and development of the Long Range Transportation Plan.

Previous Work:

1. Travel demand forecasts for the 2030 LRTP and air quality conformity determination.
2. Travel demand forecasts for various project level analysis and NEPA, e.g. Elizabeth Brady, South Columbia Street, South Miami Blvd., Triangle Parkway, I-40 HOV, TDM analyses, US 15-501 transit corridor, etc.

Proposed Activities:

1. Run Triangle Regional Model and other modeling tools to develop future year forecasts (summary tables, maps, etc.):
 - a. Run model to evaluate performance and suitability of model to be delivered by TRM Service Bureau;
 - b. Develop future year model setups as required for Long Range Transportation Plan alternative analysis, Air Quality Conformity and other

- needs; and,
c. Run model for LRTP alternative analysis.

Products:

1. Confirmation of suitability of Triangle Regional Model for LRTP Analysis; and,
2. Long Range Transportation Plan Alternative Analysis (summary tables, maps, etc.)

Relationship to Other Plans and MPO Activities:

This is a core task for preparing the Long Range Transportation Plan.

Completion Date:

The specific proposed activities in this UPWP will be completed during FY 2006-2007.

Proposed Budget and Level of Effort (Staff or Consulting):

Work on this project will be completed by LPA staff.
Staff effort - 200 person hours

Funding Commitments from Other Entities:

None.

Task II-B-8: Capacity Deficiency Analysis

The MPO will conduct a capacity deficiency analysis as part of the 2035 LRTP, CTP and CMS. The analysis will be made to determine existing and existing-plus-committed deficiencies. Volume-to-capacity ration maps will be produced for the 2005 base year, E+C year, and other LRTP and CTP years. Essentially this task encompasses application of the Triangle Regional Model and other modeling tools to analyze deficiencies in the existing transportation system relative to anticipated future travel demand.

Objectives:

Produce model setups and output runs as required to evaluate deficiencies in the existing transportation system in the DCHC MPO planning area.

Previous Work:

1. Deficiency analyses for the 2030 LRTP
2. Capacity deficiencies for the CMS, Mobility Report Card and other technical studies.

Proposed Activities:

Run Triangle Regional Model and other modeling tools to develop forecasts of travel deficiencies (summary tables, maps, etc.):

- a. Develop model setups as required for deficiency analysis (existing+committed network with future year socio-economic data); and,
- b. Run model for and prepare output files

Products:

1. Long Range Transportation Plan Deficiency Analysis (summary tables, maps, etc.)

Relationship to Other Plans and MPO Activities:

This is a core task for preparing the Long Range Transportation Plan.

Completion Date:

The specific proposed activities in this UPWP will be completed during FY 2006-2007

Proposed Budget and Level of Effort (Staff or Consulting):

Work on this project will be completed by LPA staff.

Staff effort – 1,114 person hours

Funding Commitments from Other Entities:

None.

Task II-B-9: Highway Element of LRTP and CTP

The MPO will begin evaluation of highway elements of the Comprehensive Transportation Plan and the 2035 LRTP. Performance measures will be established for evaluating highway alternatives. An extensive roster of highway projects will be identified based on the current 2030 LRTP, congestion management system, travel demand forecast and capacity deficiency analysis. Different combinations of these projects will produce a variety of highway alternatives that will be analyzed to find the alternative that best meets the LRTP Goals and Objectives and targets, and meets the fiscal constraint requirement. Each alternative will characterize a one or more emphasis area such as new roadways, transit, etc. The highway element of the Comprehensive Transportation Plan (CTP) will be developed in parallel with the LRTP, but will likely have a different set of constraints (e.g., no fiscal constraint).

Objectives:

1. To identify a list of highway projects based on travel demand and deficiencies;

2. To develop a series of highway alternatives (i.e., set of highway projects with a distinct objective); and,
3. To develop key data for each highway project such as capacity, length, alignment, cost, implementation year, etc.

Previous Work:

1. 2030 LRTP;
2. Congestion Management System;
3. Triangle Regional Model;
4. Travel demand forecast; and,
5. Capacity Deficiency Analysis.

Proposed Activities:

1. Establish evaluation criteria;
2. Develop key data for highway projects;
3. Generate highway projects and alternatives;
4. Evaluate highway projects and alternatives; and,
5. TAC comments on alternatives.

Products:

1. Preferred highway element option; and,
2. Key data for highway projects

Relationship to Other Plans and MPO Activities:

Before the highway element can be developed, several other tasks must be successfully completed including: TRM update and surveys; travel demand forecasts; capacity deficiency analysis. In addition, the Congestion Management System and 2030 LRTP will be important input to this task.

Completion Date:

Analysis associated with the highway elements of LRTP and CTP will commence in 2007.

Proposed Budget and Level of Effort (Staff or Consulting):

LPA and local government staff will manage and implement the highway element of the LRTP and CTP.

LPA staff effort – 320 person hours

Funding Commitments from Other Entities:

None.

Task II-B-10: Transit Element of LRTP and CTP

The MPO will begin evaluation of transit elements of the Comprehensive Transportation Plan and the 2035 LRTP. Transit evaluate will include fixed-route bus service, fixed-guideway transit, highway capacity transit and demand responsive transit. Using travel behavior, ridership forecasts and other analysis, evaluation of transit element will look at unmet needs, new services areas and potential markets. Performance measures will be established for evaluating transit alternatives. An extensive roster of transit routes, projects and services will be identified based on the current 2030 LRTP, transit feasibility studies, transit 5-year and master plans, travel demand forecast and capacity deficiency analysis. Different combinations of these services will produce a variety of transit alternatives that will be analyzed to find the alternative that best meets the LRTP Goals and Objectives and targets, and meets the fiscal constraint requirement. Each alternative will characterize a one or more emphasis area such as new roadways, transit intensive, etc. The transit element of the Comprehensive Transportation Plan (CTP) will be developed in parallel with the LRTP, but will likely have a different set of constraints (e.g., no fiscal constraint).

Objectives:

1. To identify a list of transit routes, projects and services based on completed transit studies, travel demand and deficiencies;
2. To develop a series of transit alternatives (i.e., set of transit routes, projects and services with a distinct objective); and,
3. To develop key data for each transit project such as route, ridership capacity (e.g., load capacity and headway), service hours, cost, implementation year, etc.

Previous Work:

1. 2030 LRTP;
2. Feasibility studies (e.g., US 15-501 Transit Corridor and I-40/NC 54 Transit Corridor);
3. Transit 5-year and master plans;
4. Travel demand forecast; and,
5. Capacity Deficiency Analysis.

Proposed Activities:

1. Establish evaluation criteria;
2. Develop key data for transit services;
3. Generate transit projects and alternatives;
4. Evaluate transit projects and alternatives; and,
5. TAC comments on alternatives.

Products:

1. Preferred transit element option; and,
2. Key data for transit projects.

Relationship to Other Plans and MPO Activities:

Before the transit element can be developed, several other tasks must be successfully completed including: TRM update and surveys; travel demand forecasts; capacity deficiency analysis. In addition, transit plans and feasibility studies, the Congestion Management System and 2030 LRTP will be important input to this task.

Completion Date:

Analysis and studies associated with the transit elements of the LRTP and CTP will commence in spring of 2007.

Proposed Budget and Level of Effort (Staff or Consulting):

LPA and local government staff will manage and implement the transit element of the LRTP and CTP.

LPA staff effort – 320 person hours

Funding Commitments from Other Entities:

None.

Task II-B-11: Bicycle and Pedestrian Element of the LRTP and CTP

The MPO will begin evaluation of bicycle and pedestrian elements of the Comprehensive Transportation Plan and the 2035 LRTP. The MPO will continue work on the Durham Comprehensive pedestrian Plan and the Old Durham-Chapel Hill Road bicycle and pedestrian feasibility study. Work will commence on the development of the Durham Comprehensive Bicycle Plan.

Objectives:

1. Update the LRTP Bicycle and Pedestrian Element project descriptions and cost information;
2. Collect public input on bicycle and pedestrian facilities and programs to be included in the LRTP;
3. Update the LRTP ancillary planning and program information.
4. Coordinate existing local and regional plans and projects with LRTP bicycle and pedestrian element;
5. Update LRTP Bicycle and Pedestrian Element maps; and,
6. Work with local communities on Regional Priority Lists, in order to implement

LRTP Bicycle and Pedestrian Element through the TIP.

Previous Work:

1. Created Bicycle and Pedestrian element of the 2030 LRTP.
2. Durham Comprehensive Bicycle Plan
3. Durham Comprehensive Pedestrian Plan

Proposed Activities:

1. Collect planned and proposed bicycle and pedestrian project information from local and regional plans and forums for inclusion in the LRTP;
2. Create and update bicycle and pedestrian facility maps;
3. Create and update bicycle and pedestrian demand analysis;
4. Coordinate planning activities between local and regional agencies for bicycle, and pedestrian, trail/greenway and TDM initiatives.

Products:

Bicycle and Pedestrian elements of the LRTP and CTP will include project descriptions and demand analysis, assessment of need, maps of regional projects, etc.

Relationship to Other Plans and MPO Activities:

Planning activities for the LRTP Bicycle and Pedestrian Element should be coordinated with local and regional bicycle, pedestrian, greenway and TDM Plans, in order to capture all proposed projects within the MPO.

Completion Date:

Task will commence in the spring of 2007.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will largely be undertaken by LPA staff along with MPO member agencies

Staff effort – 390 person hours

Funding Commitments from Other Entities:

None

Task II-B-13: Collector Street Plan of LRTP

The MPO will also undertake the development of an MPO wide Collector Street Plan and circulation study. This is envisioned to involve the identification of future collector street connectivity needs, provisions for local street connectivity, development ordinance

implementation provisions, additional local government consultation, and public involvement.

Objectives:

1. To create an efficient and effective transportation network, especially that part of the network not addressed in the MPO’s long-range transportation plan;
2. To develop a plan that the development community, planners and citizens can easily understand and use for creating this ideal transportation network; and,
3. To ensure coordination of the collector street network among the various jurisdictions and transportation plans in the MPO planning area.

Previous Work:

1. Southwest Durham/Southeast Chapel Hill Collector Street Plan;
2. Wake-Durham Comprehensive Street System Plan;
3. Center of the Region Enterprise (CORE) Collector Street Plan (to be developed);
4. GIS map layers for street networks, parcels, land use, and environmental features; and,
5. 2030 Long Range Transportation Plan.

Proposed Activities:

1. Form technical oversight team;
2. Collect GIS data layers and produce maps of existing conditions;
3. Conduct series of three workshops in five different geographic areas;
4. Develop collector street network and full report; and,
5. Present final network and plan to TAC.

Products:

1. Map of collector street network; and,
2. Full report that includes existing conditions maps, factors considered in developing collector street network, proposed collector street network, and street design considerations.

Relationship to Other Plans and MPO Activities

The process and product of the MPO-wide collector street plan will be based on the Southwest Durham/Southeast Chapel Hill Collector Street Plan. It will be coordinated with the upcoming CORE and existing Wake/Durham collector street plans, and the will complement the arterial street network envisioned in the 2030 LRTP.

Completion Date:

Data collection will begin summer 2006 and the first public workshops will occur in fall 2006. The final plan will be ready for adoption in 2007.

Proposed Budget and Level of Effort (Staff and/or Consulting):

MPO staff will conduct most of the tasks for this project, and a private consultant will assist with technical tasks (e.g., compilation and presentation of GIS mapping layers, and main presentation at workshops).

Consulting - \$110,000
Staff effort – 270 person hours

Funding Commitments from Other Entities:

None.

Task II-B-15: Freight Movement and Mobility Planning

MPO will undertake tasks associated with urban goods movement, specifically freight accessibility and mobility. Tasks to be undertaken include survey of freight carriers, recommendations for improving truck mobility or train/truck intermodal movements, and identifying acceptable truck.

Objectives:

1. To include freight movement data is included in the Triangle Regional Model (TRM); and,
2. To include freight movement data in the project evaluation phase of the 2035 LRTP.

Previous Work:

1. 2030 LRTP; and,
2. Triangle Regional Model (TRM).

Proposed Activities:

1. Gather Triangle Region freight movement data;
2. Incorporate the freight movement data into the Triangle Regional Model; and
3. Incorporate the freight movement data into the 2035 LRTP development process.

Products:

1. Freight movement level in Triangle Regional Model (TRM); and,
2. Highway alternatives in 2035 LRTP development process that consider the needs of freight movement.

Relationship to Other Plans and MPO Activities

This task will be coordinated with the Triangle Regional Model (TRM) and be input data into the 2035 LRTP development.

Completion Date:

This task will be complete in summer 2007.

Proposed Budget and Level of Effort (Staff or Consulting):

LPA staff will complete these tasks.

Staff effort – 85 person hours

Funding Commitments from Other Entities:

Much of this task will be coordinated with the North Carolina Department of Transportation (NCDOT) and RDU and freight and logistics companies

Task II-B-16: Financial Planning

The MPO will examine financial options for funding proposed transportation projects and programs on an as-needed basis. These tasks will include reviewing the financial planning assumptions/projections in the 2030 LRTP to refine cost estimates, and providing support regional efforts geared toward identifying new and alternative funding sources.

Objectives:

1. To ensure that sound financial information is available for project evaluation; and,
2. To support efforts to identify new transportation funding sources

Previous Work:

1. 2030 LRTP;
2. FY 2006-2007 TIP; and,
3. Various local plans for roadways, transit, bicycles, pedestrian facilities, and Intelligent Transportation Systems (ITS).

Proposed Activities:

1. Refine project costs estimates, as needed;
2. Coordinate and support regional efforts to identify new transportation sources such as the joint TAC finance committee meeting for DCHC/CAMPO, mayors' meetings, North Carolina Metropolitan Coalition (League of Municipalities), and Regional Transportation Alliance; and,
3. Investigate technical aspects of potential funding sources such as taxing strategies, impact fees and private/public partnerships.

Products:

1. Recommendations from joint TAC finance committee;
2. Provide cost and revenue data to joint TAC finance committee, RTA and other partner agencies; and,
3. Resolutions and letters to elected officials.

Relationship to Other Plans and MPO Activities

The success in identifying new or modified funding sources will directly affect the 2035 LRTP.

Completion Date:

These tasks will be ongoing.

Proposed Budget and Level of Effort (Staff or Consulting):

MPO LPA staff will complete these tasks.
Staff effort – 229 person hours

Funding Commitments from Other Entities:

None.

Task II-B-17: Congestion Management System

The MPO plans to develop and implement a Congestion Management System (CMS) to address the growing traffic congestion in the region. Besides being a sensible practice, the CMS is a federal transportation planning requirement under the provisions of 23 U.S.C. and 23 CFR. The CMS will identify areas of traffic congestion, investigate the causes of congestion, evaluate alternatives for alleviating congestion, identify strategies for the implementation of those alternatives, and assess financial and economic impacts of those strategies. The Town of Chapel Hill and the Town of Carrboro have already completed several Mobility Report Cards, which contain much of the traffic data and congestion identification inherent in a CMS. The most recent Mobility Report Cards for these towns will be integrated into the MPO CMS.

This task also includes management, operation and administration of the of the MPO TDM programs.

Objectives:

- To identify transportation congestion; and,
- To propose projects and policies to address congestion.

Previous Work:

1. DCHC MPO Congestion Management System Report;
2. Town of Chapel Hill Mobility Report Card;
3. Town of Carrboro Mobility Report Card;
4. Turning movement counts (i.e., intersection traffic counts);
5. ADT counts (traffic volume counts);
6. Screenline counts for the TRM;
7. AADT counts from NCDOT (traffic volume counts);
8. Bicycle counts from bicycle plans;
9. Pedestrian counts from pedestrian plans; and,
10. Transit ridership data from transit operators.

Proposed Activities:

Develop performance measures for evaluating congestion that are appropriate for the MPO;

Collect data and apply models to identify causes and locations of traffic bottlenecks (data will include different modes);

Provide a central database and a graphical user-interface to allow for area- facility-based, and intersection-based congestion mitigation planning;

Define Transportation Improvement Projects (TIP) and other projects to mitigate the congestion, and their implementation priorities; and,

Document the study results in a State of the Systems report.

Products:

1. Reports for system components, including performance measures, congestion definition, transportation data and congestion identification, proposed congestion mitigation measures and policies, and a State of the System Report; and,
2. Database and user interface.

Relationship to Other Plans and MPO Activities

The CMS will share transportation data with the Triangle Regional Model (TRM) and several tasks that support the Surveillance of Change.

Completion Date:

Pre-collection tasks will occur in the summer 2006. Traffic and other modal counts for CMS will be conducted during fall 2005, spring 2006 and fall 2006. The complete system and report will be finished by summer of 2007.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will largely be undertaken with consulting help and temporary staffing. MPO staff will oversee project, provide project management and review work products. Traffic counts will be conducted when schools are in session.

Consulting - \$177,812

Staff effort – 460 person hours

Funding Commitments from Other Entities:

The NCDOT is to commit \$3,200 in federal and \$800 in State funding for this task.

Task II-B-18: Air Quality Planning and Conformity Analysis

The DCHC MPO (the Transportation Advisory Committee) is responsible in making a determination as to whether or not transportation plans, programs, and projects (e.g., 2035 LRTP and FY 2007-2013 TIP) conform to air quality standards and the intent of the State Implementation Plan (SIP). The LPA will continue to provide technical support to the TAC and TCC regarding air quality planning. In addition the LPA will continue participation in the development and application of State Implementation Plans for air quality, participation in the Statewide Interagency Consultation Meetings, and providing assistance to NCDENR in developing and maintaining mobile source emission inventories.

Objectives:

1. To ensure that the plans, programs and projects in the DCHC MPO meet air quality conformity standards; and,
2. To ensure that partner agencies, which affect an air quality conformity lapse in the DCHC MPO planning area, meet air quality conformity standards.

Previous Work:

1. 2030 LRTP;
2. FY 2006-2007 TIP;
3. Triangle Regional Model (TRM) and TRM updates; and,
4. TRM data such as VMT and speeds for each analysis year.

Proposed Activities:

1. Participate in State Interagency Consultation Meetings to make decisions on schedule, model version use, analysis years, potential SIP revisions, MOBILE6.2 modeling parameters, etc.; and,
2. Coordinate State Interagency Consultation Meetings requirements with MPO activities such as TRM enhancements, FY 2007-2013 TIP, Socio-economic data update for 2035 LRTP.

Products:

1. State Interagency Consultation Meetings policy that considers needs of DCHC MPO; and,
2. Air quality conformity coordination with State Interagency Consultation Meetings, CAMPO, NCDOT, etc.

Relationship to Other Plans and MPO Activities

Coordination between the State Interagency Consultation Meetings policies and the needs of the DCHC MPO's 2035 LRTP and FY 2007-2013 TIP are critical for ensuring air quality conformity.

Completion Date:

These tasks will be ongoing.

Proposed Budget and Level of Effort (Staff or Consulting):

MPO staff will complete these tasks.
Staff effort – 176 person hours.

Funding Commitments from Other Entities:

Air quality inter agencies – CAMPO, NCDOT, DENR-DAQ and EPA – contribute staff hours to the air SIP development and air quality non- attainment demonstration.

Task III-A: Planning Work Program

This task will be to administer the FY 2005-2006 UPWP and prepare and process amendments as needed. Evaluate transportation planning work needs and emphasis areas and prepare the FY 2007-2008 UPWP. To prepare and continually maintain a Unified Planning Work Program (UPWP) that describes all transportation and transportation-related planning activities anticipated within the DCHC MPO planning area for the FY 2007-2008. To develop, maintain, and complete the UPWP in conformance with applicable federal, state, and regional guidelines. To prepare UPWP amendments as necessary and requested by member agencies, to reflect any change in programming or focus for the current fiscal year.

Objectives:

1. To prepare and continually maintain a Unified Planning Work Program (UPWP) that describes all transportation and transportation-related planning activities anticipated within the DCHC MPO planning area for FY 2006-2007;
2. To develop, maintain, and complete the UPWP in conformance with applicable federal, state, and regional guidelines; and,
3. To prepare UPWP amendments as necessary and requested by member agencies, to reflect any change in programming or focus for the current fiscal year.

Previous Work:

1. FY 2005-06 UPWP; and,
2. Amendment of the UPWP as requested by member agencies.

Proposed Activities:

1. Review and amend relevant portions of the UPWP in order to meet new planning requirements and/or circumstances pertinent to the MPO emphasis and transportation planning objectives;
2. Develop a new UPWP for the DCHC planning area covering the next program year. The development of a new UPWP will be prepared in cooperation with NCDOT and subject to the development and public involvement process; and,
3. Amend the UPWP, as needed (the amendment process commonly occurs in January/February of each year).

Products:

1. Amendments to the FY 2006-2007 UPWP, as needed; and,
2. Development of the FY 2007-2008 UPWP.

Relationship to Other Plans and MPO Activities

The UPWP funds the MPO's planning activities, including many critical programs such as the long-range transportation plan, Transportation Improvement Program (TIP) and air quality conformity.

Completion Date:

These tasks will be ongoing.

Proposed Budget and Level of Effort (Staff or Consulting):

MPO staff will complete these tasks.
LPA staff effort – 272 person hours

Funding Commitments from Other Entities:

The Towns of Chapel Hill and Carrboro are proposing funding for UPWP task item.

Task III-B: Transportation Improvement Program

The LPA will perform tasks associated with the amendment of the FY 2006-2012 MTIP. The LPA staff will continue to develop FY 2007 – 2013 MTIP. This includes the refinement of the MPO Priority Needs and the identification of the transportation projects, programs, and services towards which the MPO will direct STP DA funds. As

the Lead Planning Agency (LPA) of the DCHC MPO, the City of Durham, Transportation Division is responsible for annually developing, amending, adjusting and maintaining the Transportation Improvement Program (TIP) for the metropolitan area. Under this activity, the LPA will update and amend the current, seven-year program of transportation improvement projects (MTIP) that is consistent with the 2025 Long-Range Transportation Plan, STIP, the State Implementation Plan (SIP), EPA Air Quality Conformity Regulations and FHWA/FTA Planning Regulations.

Objectives:

1. To develop and adopt the FY 2007-2013 MTIP to support MPO goals; and,
2. To appropriately amend the FY 2006-2012 MTIP, as needed.

Previous Work:

1. FY 2006-2012 MTIP; and,
2. FY 2007-2013 MTIP Regional Priority Project List

Proposed Activities:

1. Draft FY 2007-2013 MTIP;
2. Conduct public involvement activities for Draft FY 2007-2013 MTIP;
3. Analyze Draft FY 2007-2013 State Transportation Improvement Program (STIP) and develop support documents for negotiations (e.g., “Flagged Issues”);
4. Negotiate MTIP and STIP project reconciliation with NCDOT; and,
5. Adopt FY 2007-2013 MTIP.

Products:

1. Draft FY 2007-2013 MTIP and full report (including financial and project analysis);
2. Flagged Issues;
3. Meetings with NCDOT (and meeting materials); and,
4. Adopted FY 2007-2013 MTIP.

Relationship to Other Plans and MPO Activities

The FY 2007-2013 MTIP Regional Project Priority List provides information for drafting the FY 2007-2013 MTIP.

Completion Date:

June 2007.

Proposed Budget and Level of Effort (Staff and/or Consulting):

MPO staff will complete these tasks.
LPA staff effort – 709 hours

Funding Commitments from Other Entities:

None

Task III-C-2: Environmental Justice

In accordance with Federal Action (Executive Order 12898), the MPO will develop an Environmental Justice Plan which will focus on complying with the Executive Order and the three basic principles of Environmental Justice:

1. Ensure adequate public involvement of low-income and minority groups in decision-making;
2. Prevent disproportionately high and adverse impacts to low-income and minority groups resulting from transportation and environmental decisions made by the MPO; and
3. Assure that low-income and minority groups receive a proportionate share of benefits resulting from transportation decisions made by the MPO.

Objectives:

To ensure that minority and low-income communities are:

1. Not adversely affected by transportation projects and policies;
2. Treated equitably in the provision of transportation services and projects; and
3. Provided full opportunity for participation in MPO transportation planning and decision-making process.

Previous Work:

1. Demographic profiles based on 2000 Census
2. Maps to identify areas of low-income, minority and elderly populations, job accessibility, and overlay of major employers, fixed route transit systems, and major shopping areas.

Proposed Activities:

1. Develop MPO Environmental Justice Plan, including establishment of an Environmental Justice Advisory Board;
2. Update demographic profiles based on 2000 Census and MPO 2002 base year data - maps to identify areas of low-income, minority and elderly populations, job accessibility, and overlay of major employers, fixed route transit systems, and major shopping areas;
3. Provide increased opportunities for under-served populations to be represented in the transportation planning process;

4. Define target areas through the use of Census Block Group data from the 2000 Census;
5. Analyze the mobility of target area populations to jobs, childcare, and transit routes;
6. Review existing public outreach and involvement plan;
7. Develop a protocol for responding to issues and concerns regarding Environmental Justices in general and Hispanic population in particular; and,
8. Conduct analysis as needed regarding equitable distribution of transportation system benefits and costs among all socio-economic groups throughout the MPO area.

Products:

1. Updated maps utilizing information from the 2000 Census and 2002 base year data;
2. Increased involvement of low-income and minority populations in the transportation planning process;
3. Technical assistance memoranda, reports, and workshops as needed;
4. Protocol for responding to issues and concerns regarding Environmental Justice; and,
5. MPO Environmental Justice plan.

Relationship to Other Plans and MPO Activities:

All MPO planning activities involving public outreach will be affected by the recommendations of this plan – including the public involvement for the East End Connector SEIS. Project selection and evaluation for the Long Range Transportation Plan will include an environmental justice component. The Environmental Justice Advisory Board will be consulted on various MPO planning activities.

Completion Date:

A draft plan will be presented to the TAC in fall spring of 2007. Environmental justice activities will be on-going.

Proposed Budget and Level of Effort (Staff and/or Consulting):

Tasks will be undertaken by LPA staff.
Staff effort – 826 person hours.

Funding Commitments from Other Entities:

None.

Task III-C-4: Planning for the Elderly and Disabled

The MPO will emphasize planning and provision of transportation facilities and services for the elderly and disabled, especially in the development of the 2035 Long Range Transportation Plan (LRTP). The MPO will update inventory of locations and needs of elderly and disabled persons and ensure that the proposed highway, transit and pedestrian plans integrate this information in the planning process.

Objectives:

To ensure that the elderly and disabled population is not adversely affected by transportation projects and policies; are treated equitably in the provision of transportation services and projects; and are provided full opportunity for participation in MPO transportation planning and decision-making process.

Previous Work:

Demographic profiles based on 2000 Census; and,
Maps to identify areas of elderly and disabled population in relationship to services and other destinations;
Local transit and pedestrian plans that have integrated the elderly and disabled population into the planning process; and,
Transit operator plans and grant applications.

Proposed Activities:

1. Update demographic profiles and define target areas based on 2000 Census and MPO 2002 base year data;
2. Provide increased opportunities for under-served populations to be represented in the transportation planning process; and,
3. Integrate this data into the 2035 LRTP planning process and transit operator plans.

Products:

Updated maps utilizing information from the 2000 Census and 2002 base year data;
Increased involvement of the elderly and disabled population;
Specific tasks in the 2035 LRTP that address the needs of the elderly and disabled;
and,
Major tasks in the transit plans and grant applications of the local and regional transit operators that specifically address the service needs of the elderly and disabled.

Relationship to Other Plans and MPO Activities:

The needs of the elderly and disabled will be addressed in all MPO planning activities involving public outreach and service and project planning.

Completion Date:

All the transit and MPO planning efforts will contain an element addressing the needs of the elderly and disabled.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will be undertaken by LPA staff.
Staff effort – 122 person hours

Funding Commitments from Other Entities:

None.

Task III-C-6: Public Involvement

The MPO will continue to provide an early, proactive and a meaningful public participation and input throughout the transportation planning process, including providing for open exchange of information and ideas between the public and transportation decision-makers.

Objectives:

1. To provide the public with complete information, timely notice, full access to key decisions and opportunities for early and continuing involvement in the 3C process;
2. To assess the effectiveness of the current Public Involvement Process as required by the federal certification team; and,
3. To develop and enhance the process of public dissemination of information.

Previous Work:

1. MPO Public Involvement Process;
2. MPO website;
3. Newsletters;
4. Stakeholder address database; and,
5. Newspaper advertisements.

Proposed Activities:

1. Refine the current Public Involvement Process as needed;
2. Apply the Public Involvement Process to transportation programs and tasks; and,
3. Public meetings, workshops, and outreach programs to increase public participation, information dissemination, and education.

Products:

1. Update and maintenance of website;

2. Update and maintenance of mailing list database;
3. Quarterly MPO newsletters, and project specific news letters; and,
4. Support of Citizen Advisory Committee

Relationship to Other Plans and MPO Activities:

Public involvement is essential to all MPO planning activities. The Public Involvement Process should inform and guide all outreach initiatives.

Completion Date:

Public involvement will occur on a continual basis. The website, emails, and mailings will occur regularly throughout the year.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will be undertaken by LPA and municipal staff.
Staff effort – 660 person hours

Funding Commitments from Other Entities:

None.

Task III-D-2: Environmental Analysis & Pre-TIP Planning

The LPA will continue to participate regularly and consistently in the TIP project planning & development process, including submission of comments, attending public meetings, attending scoping meetings, attending NEPA 404 merger meetings, and participating in field inspections. The LPA will be involved in the East End Connector NEPA process including taking the lead in the public involvement process. The MPO will continue to support and be involved in NCDOT efforts to link NEPA process in the MPO systems planning process.

Objectives:

1. To ensure that the goals, objectives and needs of the DCHC MPO are integrated in the environmental planning process of transportation projects; and,
2. To ensure the needs of the citizens in the DCHC MPO planning area are considered in the project planning process.

Previous Work:

Regular project scoping, environmental study and public meetings, especially those conducted by the NCDOT.

Proposed Activities:

Regular participation at project scoping, environmental study and public meetings,

especially those conducted by the NCDOT;
Review and comment on project scoping and environmental documents;
LPA participation in NEPA process for the East End Connector; and,
LPA leadership in the public involvement process for the East End Connector.

Products:

Written comments on project scoping and environmental studies, activities and documents;

Relationship to Other Plans and MPO Activities:

The activities of this task are directly related to transportation projects in the long-range transportation plan and to projects that are being considered for TIP funding.

Completion Date:

These activities are provided as needed.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will be undertaken by LPA and municipal staff.
Staff effort – 402 person hours

Funding Commitments from Other Entities:

None.

**Durham-Chapel Hill-Carrboro Urban Area
FY 2006-2007 Unified Planning Work Program
Consulting Services Breakdown**

City of Durham

	Task Description	STP-DA 133(b)(3)(7)						Section 104(f) - PL							
		Staff		Consulting		Total STP-DA		Staff		Consulting		Total PL			
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%		
II A	Surveillance of Change														
1	Traffic Volume Counts	0	0	0	0	0	0	2,000	8,001	1,404	5,616	3,404	13,617		
2	Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0		
3	Street System Changes	0	0	0	0	0	0	400	1,600	0	0	400	1,600		
4	Traffic Accidents	0	0	0	0	0	0	0	0	0	0	0	0		
5	Transit System Data	0	0	0	0	0	0	1,000	4,000	0	0	1,000	4,000		
6	Dwelling Unit, Pop. & Emp. Change	0	0	0	0	0	0	0	0	0	0	0	0		
7	Air Travel	0	0	0	0	0	0	0	0	0	0	0	0		
8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0		
9	Travel Time Studies	0	0	19,000	76,000	19,000	76,000	2,400	9,600	5,000	20,000	7,400	29,600		
10	Mapping	2,319	9,274	0	0	2,319	9,274	0	0	0	0	0	0		
11	Central Area Parking Inventory	800	3,200	0	0	800	3,200	0	0	0	0	0	0		
12	Bike & Ped. Facilities Inventory	1,333	5,331	0	0	1,333	5,331	0	0	0	0	0	0		
13	Bike & Ped. Counts	1,496	5,985	0	0	1,496	5,985	0	0	0	0	0	0		
II B	Long Range Transp. Plan														
1	Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0		
2	Collection of Network Data	0	0	0	0	0	0	0	0	0	0	0	0		
3	Travel Model Updates	10,142	40,567	175,700	702,800	185,842	743,367	0	0	0	0	0	0		
4	Travel Surveys	1,131	4,525	48,750	195,000	49,881	199,525	0	0	0	0	0	0		
5	Forecast of Data to Horizon year	0	0	0	0	0	0	1,639	6,554	0	0	1,639	6,554		
6	Community Goals & Objectives	0	0	0	0	0	0	5,555	22,220	0	0	5,555	22,220		
7	Forecast of Future Travel Patterns	0	0	0	0	0	0	1,546	6,184	0	0	1,546	6,184		
8	Capacity Deficiency Analysis	0	0	0	0	0	0	8,642	34,566	0	0	8,642	34,566		
9	Highway Element of th L RTP	0	0	0	0	0	0	2,669	10,677	0	0	2,669	10,677		
10	Transit Element of the L RTP	0	0	0	0	0	0	2,669	10,677	0	0	2,669	10,677		
11	Bicycle & Ped. Element of the L RTP	4,039	16,155	0	0	4,039	16,155	0	0	0	0	0	0		
12	Airport/Air Travel Element of L RTP	1,000	4,000	0	0	17,000	68,000	1,224	4,897	6,000	24,000	7,224	28,897		
13	Collector Street Element of L RTP	0	0	16,000	64,000	17,000	68,000	0	0	0	0	0	0		
14	Rail, Water or other mode of L RTP	0	0	0	0	0	0	659	2,634	0	0	659	2,634		
15	Freight Movement/Mobility Planning	0	0	0	0	0	0	1,949	7,797	0	0	1,949	7,797		
16	Financial Planning	0	0	0	0	25,000	100,000	3,747	14,987	7,224	28,896	10,971	43,883		
17	Congestion Management Strategies	0	0	25,000	100,000	25,000	100,000	0	0	0	0	0	0		
18	Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	1,728	6,913	0	0	1,728	6,913		
II C	Short Range Transit Planning														
1	Short Range Transit Planning	0	0	0	0	0	0	0	0	0	0	0	0		
III-A	Planning Work Program														
		0	0	0	0	0	0	2,624	10,497	0	0	2,624	10,497		

**Durham-Chapel Hill-Carrboro Urban Area
FY 2006-2007 Unified Planning Work Program
Consulting Services Breakdown**

City of Durham

	Task Description	STP-DA 133(b)(3)(7)						Section 104(f) - PL					
		Staff		Consulting		Total STP-DA		Staff		Consulting		Total PL	
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%
III-B	Transp. Improvement Plan	0	0	0	0	0	0	5,733	22,932	0	0	5,733	22,932
III-C	Civil Rgts. Cmp./Otr .Reg. Reqs.												
1	Title VI	0	0	0	0	0	0	0	0	0	0	0	0
2	Environmental Justice	0	0	0	0	0	0	5,102	20,409	0	0	5,102	20,409
3	Minority Business Enterprise	0	0	0	0	0	0	0	0	0	0	0	0
4	Planning for the Elderly & Disabled	0	0	0	0	0	0	987	3,947	0	0	987	3,947
5	Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Involvement	0	0	0	0	0	0	4,977	19,906	0	0	4,977	19,906
7	Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0
III-D	Incidental Png./Project Dev.												
1	Transportation Enhancement Png.	0	0	0	0	0	0	0	0	0	0	0	0
2	Enviro. Analysis & Pre-TIP Png.	0	0	0	0	0	0	3,283	13,131	0	0	3,283	13,131
3	Special Studies	0	0	54,000	216,000	54,000	216,000	12,500	50,000	0	0	12,500	50,000
4	Regional or Statewide Planning	0	0	0	0	0	0	2,581	10,323	0	0	2,581	10,323
III-E	Management & Operations												
1	Management & Operations	11,941	47,763	0	0	11,941	47,763	21,912	87,647	0	0	21,912	87,647
Totals		\$34,200	\$136,800	\$338,450	\$1,353,800	\$372,650	\$1,490,600	\$97,525	\$390,099	\$19,628	\$78,312	\$117,153	\$468,611

Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
II A Surveillance of Change	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
1 Traffic Volume Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
2 Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
3 Street System Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
4 Traffic Accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
5 Transit System Data	0	0	0	0	7,289	7,289	58,312	0	0	0	0	0	0	7,289	7,289	58,312	72,890
6 Dwelling Unit, Pop. & Emp. Change	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
7 Air Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
8 Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
9 Travel Time Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
10 Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
11 Central Area Parking Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
12 Bike & Ped. Facilities Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
13 Bike & Ped. Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
II B Long Range Transp. Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
1 Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
2 Collection of Network Data	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
3 Travel Model Updates	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
4 Travel Surveys	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
5 Forecast of Data to Horizon year	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
6 Community Goals & Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
7 Forecast of Future Travel Patterns	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
8 Capacity Deficiency Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
9 Highway Element of th LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
10 Transit Element of the LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
11 Bicycle & Ped. Element of the LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
12 Airport/Air Travel Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
13 Collector Street Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
14 Rail, Water or other mode of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
15 Freight Movement/Mobility Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
16 Financial Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
17 Congestion Management Strategies	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
18 Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
II C Short Range Transit Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
1 Short Range Transit Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
III-A Planning Work Program	0	0	0	0	0	0	0	0	0	0	0	0	0	3,149	3,149	25,191	31,489
III-B Transp. Improvement Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	214	214	1,711	2,139
III-C Cvl Rgts. Cmp./Otr .Reg. Reqs.	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
1 Title VI	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
2 Environmental Justice	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
3 Minority Business Enterprise	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
4 Planning for the Elderly & Disabled	0	0	0	0	5,000	5,000	40,000	0	0	0	0	0	0	5,000	5,000	40,000	50,000

Durham Area Transit Authority DATA		Durham-Chapel Hill-Carrboro Urban Area FY 2006-2007 Unified Planning Work Program Proposed Funding Source Tables - FTA Transit Funds												Durham 4/20/2006 14:33			
Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
5 Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
6 Public Involvement	0	0	0	0	0	0	0	4,704	4,704	37,652	4,704	4,704	37,652	4,704	4,704	37,652	47,040
7 Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
III-D Incidental Plng./Project Dev.																	
1 Transportation Enhancement Plng.	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
2 Enviro. Analysis & Pre-TIP Plng.	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
3 Special Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
4 Regional or Statewide Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
III-E Management & Operations																	
1 Management & Operations	0	0	0	0	0	0	0	33,685	33,685	269,482	0	0	0	33,685	33,685	269,482	336,853
Totals	\$0	\$0	\$0	\$0	\$12,289	\$12,289	\$98,312	\$43,931	\$43,931	\$351,445	\$0	\$0	\$0	\$56,220	\$56,220	\$449,757	\$562,196

MPO	City of Durham	City of Durham	City of Durham	City of Durham	City of Durham	City of Durham
2- FTA Code			442400	442100		
3- Task Code	III-A	III-B	III-C-4	III-C-6	III-E	
4- Title of Planning Task	Planning Work Program To identify task areas and staff hours needed to complete each task.	Transportation Improvement Plan To continue developing plans for improving transportation locally.	Planning for the Elderly & Disabled To develop revised certification procedures and routing network to maximize efficiency of system fleet using Paratransit Scheduling Software.	Public Involvement To prepare a marketing plan that will outline how we will promote the transit system to the public. To conduct marketing surveys and seek new advertising mediums.	Management & Operations To prepare all required reports, and attend technical meetings relating to transit.	
5- Task Objective	Annual Planning Work Program outline of tasks and costs associated with them.	Continue to seek ways to improve service for customers locally.	Continued certification and re-certification of ACCESS clients and enhancement of service in the most cost efficient manner.	Positive customer view of the transit system and increased ridership from non traditional users.	The Transportation Division will compile all required federal reports; prepare technical reports for Board of Directors, Council and public. The division will attend Board, regional and national meetings.	
6- Tangible Product Expected						
7- Expected Completion Date of Product(s)	Jun-07	Jun-07	Jun-07	Jun-07	Jun-07	
8- Previous Work			Earlier mapping of ACCESS user trips and certification of ACCESS clients.	Previous marketing efforts have been minimal as the marketing position was vacant.	Earlier efforts included creation of internal procedures to monitor and report grant data.	0
9- Prior FTA Funds			0	0	0	
10- Relationship To Other Activities	City of Durham, Public Works Department (Transportation)	This work is identified in Task III-A	Will coordinate with major healthcare providers concerning scheduling efficiency.	City of Durham, Public Works Department	Data retrieved from Transit System Data task, II-A-5, relevant also to this task.	
11- Agency Responsible for Task Completion	City of Durham, Public Works Department (Transportation)	City of Durham, Public Works Department (Transportation)	City of Durham, Department of Public Works (Transportation).	City of Durham, Public Works Department (Transportation)	City of Durham, Department of Public Works (Transportation)	
12- HPR - Highway - NCDOT 20%						
13- HPR - Highway - FHWA 80%						
14- Section 104 (f) PL Local 20%						
15- Section 104 (f) PL FHWA 80%						
16- Section 5303 Local 10%			\$5,000.00			
17- Section 5303 NCDOT 10%			\$5,000.00			
18- Section 5303 FTA 80%			\$40,000.00			
19- Section 5307 Transit - Local 10%	\$3,149	\$214		\$4,704	\$33,684	
20- Section 5307 Transit - NCDOT 10%	\$3,149	\$214		\$4,704	\$33,685	
21- Section 5307 Transit - FTA 80%	\$25,191	\$1,711		\$37,632	\$269,482	
22- Additional Funds - Local 100%						

MPO	City of Durham	City of Durham			
2- FTA Code	442400	442400			
3- Task Code	II-A-5	II-B-10	II-B-17		
4- Title of Planning Task	Transit System Data	Transit Element of the L RTP	Congestion Mgmt. Strategies		TOTALS
5- Task Objective	To conduct systemwide service performance surveys and studies for the purpose of service improvement. Ridership and Route Recommendation Report.	Transit survey (Boarding and Alighting, On-Board Surveys) Input at the TCC level on matters related to the transit element of the L RTP Transit-on-board and transit boarding & alighting survey results. Current and future transit network.	Surveys conducted by the DATA TDM coordinator. Seminars provided by TDM Coordinator. Regional congestion management team member TDM Survey Reports		
6- Tangible Product Expected					
7- Expected Completion Date of Product(s)	Jun-07	Jun-07	Jun-07		
8- Previous Work	Similar exercise was done in 2002. Any subsequent reports would be an update.				
9- Prior FTA Funds	0	0	0		
10- Relationship To Other Activities	City of Durham, Public Works Department				
11- Agency Responsible for Task Completion	City of Durham, Public Works Department (Transportation)	City of Durham, Public Works Department (Transportation)	City of Durham, Public Works Department (Transportation)		
12- HPR - Highway - NCDOT 20%					\$0.00
13- HPR - Highway - FHWA 80%					\$0.00
14- Section 104 (f) PL Local 20%					\$0.00
15- Section 104 (f) PL FHWA 80%					\$0.00
16- Section 5303 Local 10%	\$7,289				\$12,289.00
17- Section 5303 NCDOT 10%	\$7,289				\$12,289.00
18- Section 5303 FTA 80%	\$58,312				\$98,312.00
19- Section 5307 Transit - Local 10%		\$775.00	\$1,404.00		\$43,930.00
20- Section 5307 Transit - NCDOT 10%		\$775.00	\$1,403.00		\$43,930.00
21- Section 5307 Transit - FTA 80%		\$6,202.00	\$11,227.00		\$351,445.00
22- Additional Funds - Local 100%					\$0.00

**Attachment # 7
Anticipated DBE Contracting Opportunities for FY07**

Name of MPO: __City of Durham_____

Person Completing Form: __Harriet Lyons_____

Telephone Number: __ (919) 957-7336 _____

Prospectus Task Code	Prospectus Description	Name of Agency Contracting Out	Type of Contracting Opportunity (Consultant, etc.)	Federal Funds to be Contracted Out	Total Funds to be Contracted Out
			NO DBE CONTRACTING OPPORTUNITIES		

Sample Entry:

II-C-11	Transit Plan Evaluation	Big City Planning Department	Consultant	\$48,000	\$60,000
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Note: This form must be submitted to NCDOT-PTD even if you anticipate no DBE Contracting Opportunities. Note “No contracting opportunities” on the table if you do not anticipate having any contracting opportunities.

Town of Carrboro
Task Funding Table
Task Description and Narrative
Consulting Services Breakdown

Task Description		STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDDOT 10%	FTA 80%	Local 10%	NCDDOT 10%	FTA 80%	Local 25%	NCDDOT 25%	FTA 50%	Local	NCDDOT	Federal	Total
II A	Surveillance of Change																	
II A	1 Traffic Volume Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2 Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3 Street System Changes	0	0	50	200	0	0	0	0	0	0	0	0	50	200	0	250	0
	4 Traffic Accidents	0	0	150	600	0	0	0	0	0	0	0	0	150	600	0	750	0
	5 Transit System Data	0	0	300	1,200	0	0	0	0	0	0	0	0	300	1,200	0	1,500	0
	6 Dwelling Unit, Pop. & Emp. Change	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7 Air Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8 Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9 Travel Time Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 Mapping	0	0	150	600	0	0	0	0	0	0	0	0	150	600	0	750	0
	11 Central Area Parking Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	12 Bike & Ped. Facilities Inventory	0	0	60	240	0	0	0	0	0	0	0	0	60	240	0	300	0
	13 Bike & Ped. Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II B	Long Range Transp. Plan																	
II B	1 Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2 Collection of Network Data	0	0	60	240	0	0	0	0	0	0	0	0	60	240	0	300	0
	3 Travel Model Updates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 Travel Surveys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 Forecast of Data to Horizon year	0	0	120	480	0	0	0	0	0	0	0	0	120	480	0	600	0
	6 Community Goals & Objectives	0	0	60	240	0	0	0	0	0	0	0	0	60	240	0	300	0
	7 Forecast of Future Travel Patterns	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8 Capacity Deficiency Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9 Highway Element of the L RTP	0	0	50	200	0	0	0	0	0	0	0	0	50	200	0	250	0
	10 Transit Element of the L RTP	0	0	100	400	0	0	0	0	0	0	0	0	100	400	0	500	0
	11 Bicycle & Ped. Element of the L RTP	0	0	500	2,000	0	0	0	0	0	0	0	0	500	2,000	0	2,500	0
	12 Airport/Air Travel Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	13 Collector Street Element of L RTP	0	0	75	300	0	0	0	0	0	0	0	0	75	300	0	375	0
	14 Rail, Water or other mode of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 Freight Movement/Mobility Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16 Financial Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	17 Congestion Management Strategies	0	0	600	2,400	0	0	0	0	0	0	0	0	600	2,400	0	3,000	0
	18 Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II C	Short Range Transit Planning																	
II C	1 Short Range Transit Planning	0	0	250	1,000	0	0	0	0	0	0	0	0	250	1,000	0	1,250	0
III-A	Planning Work Program																	
III-A	1 Planning Work Program	0	0	300	1,200	0	0	0	0	0	0	0	0	300	1,200	0	1,500	0
III-B	Transp. Improvement Plan																	
III-B	1 Transp. Improvement Plan	0	0	400	1,600	0	0	0	0	0	0	0	0	400	1,600	0	2,000	0
III-C	Cvl Rgts. Cmp./Otr. Reg. Reqs.																	
III-C	1 Title VI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2 Environmental Justice	0	0	60	240	0	0	0	0	0	0	0	0	60	240	0	300	0
	3 Minority Business Enterprise	0	0	40	160	0	0	0	0	0	0	0	0	40	160	0	200	0

Task Description		STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
4	Planning for the Elderly & Disabled	0	0	50	200			0	0	0				50	-	200	-	250
5	Safety/Drug Control Planning	0	0	0	0									-	-	-	-	-
6	Public Involvement	0	0	150	600									150	-	600	-	750
7	Private Sector Participation	0	0	0	0									-	-	-	-	-
III-D																		
1	Incidental Ping/Project Dev.							0	0									
2	Transportation Enhancement Ping.	0	0	0	0									-	-	-	-	-
3	Enviro. Analysis & Pre-TIP Ping.	0	0	100	400									100	-	400	-	500
4	Special Studies	0	0	0	0									-	-	-	-	-
4	Regional or Statewide Planning	0	0	0	0									-	-	-	-	-
III-E																		
1	Management & Operations	0	0	2,716	10,864	0	0	0	0	0	0	0	0	2,716	-	10,864	-	13,580
Totals		\$0	\$0	\$6,341	\$25,364	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$6,341	\$0	\$25,364	\$0	\$31,705

**FY 2006-2007 Unified Planning Work Program
Task Descriptions
Town of Carrboro**

II-A Surveillance of Change

- II-A-1 Traffic Volume Counts. No funds programmed.
- II-A-2 Vehicle Miles of Travel. No funds programmed.
- II-A-3 Street System Mileage Change. Update inventory of improvements to the municipal street system to provide accurate inputs for the travel model update.
- II-A-4 Traffic Accidents. Collect traffic accident data and prepare summary and analysis of high accident locations. Compare data analysis to previous years' results.
- II-A-5 Transit System Data. Review summary and analysis of transit ridership prepared by Chapel Hill Transit to assess strengths and weaknesses of service, identify future options, and monitor service.
- II-A-6 Dwelling Unit, Population, and Employment Changes. No funds programmed.
- II-A-7 Air Travel. No funds programmed.
- II-A-8 Vehicle Occupancy Rates. No funds programmed.
- II-A-9 Travel Time Studies. No funds programmed.
- II-A-10. Mapping. Maintain the planning area's base maps, including updates to the maps for the municipal street system, the bicycle routes map, and pedestrian facilities map.
- II-A-11 Central Area Parking Inventory. No funds programmed.
- II-A-12 Bike and Pedestrian Facilities Inventory. Maintain inventory of bicycle and pedestrian facilities to provide accurate inputs for the travel model update and long-range transportation plan, and as a base for identifying future needs for bicycle and pedestrian facilities.
- II-A-13 Bike and Pedestrian Counts. No funds programmed.

II-B Maintenance of Inventories

- II-B-1 Collection of Base Year Data. No funds programmed.

- II-B-2 Collection of Network Data. Collection and updating of the following variables describing the existing transportation system to build the network for the travel demand model: posted speed limit, width/lanes, segment length, traffic signal locations, and other needed data.
- II-B-3 Travel Model Updates. No funds programmed.
- II-B-4 Travel Surveys. No funds programmed.
- II-B-5 Forecast of Data to Horizon Year. Produce new household and employment forecasts for inclusion in the travel model.
- II-B-6 Community Goals and Objectives. Take steps to ensure that local goals and objectives are discerned and addressed during the development and implementation of the long-range transportation plan.
- II-B-7 Forecasts of Future Travel Patterns. No funds programmed.
- II-B-8 Capacity Deficiency Analysis. No funds programmed.
- II-B-9 Highway Element of the LRTP. Evaluate and update the highway element of the long-range transportation plan.
- II-B-10 Transit Element of the LRTP. Evaluate and update the transit element of the long-range transportation plan. Activities include long-range transit planning in collaboration with the Town of Chapel Hill, the University of North Carolina, and the Triangle Transit Authority, including the annual Transit Forum.
- II-B-11 Bicycle and Pedestrian Element of the LRTP. Evaluate and update the bicycle and pedestrian element of the long-range transportation plan. Activities will include updating the Town of Carrboro's bicycle policy and sidewalk policy.
- II-B-12 Airport/Air Travel Element of the LRTP. No funds programmed.
- II-B-13 Collector Street Element of the LRTP. Evaluate and update the collector street element of the long-range transportation plan. Activities include the identification of future collector streets, provisions for local street connectivity, development ordinance implementation provisions, and public involvement.
- II-B-14 Rail, Waterway, or Other Mode of the LRTP. No funds programmed.
- II-B-15 Freight Movement / Mobility Planning. No funds programmed.
- II-B-16 Financial Planning. No funds programmed.

II-B-17 Congestion Management Strategies. Plan, implement, and monitor congestion management strategies, which may include the following: Transportation Demand Management, Intelligent Transportation Systems, Access Control and Management, Traffic Operations Improvements, Growth Management. This item includes costs associated with planning for these items, coordinating with public and private stakeholders, development ordinance implementation provisions, public involvement, and marketing or public education.

II-B-18 Air Quality Planning / Conformity Analysis. No funds programmed.

II-C-1 Short Range Transit Planning.

Evaluate and update the transit element of the long-range transportation plan. Activities include short-range transit planning in collaboration with the Town of Chapel Hill, the University of North Carolina, and the Triangle Transit Authority, including the annual Transit Forum.

III-A Planning Work Program.

Administer the FY 2005-2006 UPWP and prepare and process amendments as needed. Evaluate transportation planning work needed and emphasis areas and prepare the FY 2005-2006 UPWP.

III-B Transportation Improvement Program.

Continue to develop the FY 2008-2014 TIP. This includes the adoption of local priority lists, application of criteria to local projects, and the identification of projects, programs, and services for STP-DA and CMAQ funding.

III-C Civil Rights Compliance / Other Regulations and Requirements

III-C-1 Title VI. No funds programmed.

III-C-2 Environmental Justice. Continue efforts to support principles of environmental justice in transportation planning activities. Continue to review and refine public involvement process and activities to enhance opportunities for participation in transportation decision-making among low income and minority groups.

III-C-3 Minority Business Enterprise. Continue efforts to ensure full consideration of the potential services that could be provided by minority business enterprises in the development of transportation plans and programs, and in the provision of transportation services.

III-C-4 Planning for the Elderly & Disabled. Continue efforts to emphasize the planning, development, evaluation, and reevaluation of transportation facilities and services for the elderly and disabled.

III-C-5 Safety/Drug Control Planning. No funds programmed.

III-C-6 Public Involvement. Continue to provide for an open exchange of information and ideas between the public and transportation decision-makers. Continue to evaluate community concerns regarding transportation issues.

III-C-7 Private Sector Participation. No funds programmed.

III-D Incidental Planning and Project Development

III-D-1 Transportation Enhancement Planning. No funds programmed.

III-D-2 Environmental Analysis & Pre-TIP Planning. Participate regularly in the project development process, including submission of comments, attending public meetings, attending scoping meetings, attending NEPA 404 merger meetings, participating in field inspections, and LRTP development.

III-D-3 Special Studies. Develop a preliminary functional plan for the Morgan Creek Greenway that would determine the best location for the trail and show connections to residential areas, streets, and public facilities.

III-D-4 Regional or Statewide Planning. No funds programmed.

III-E Management & Operations

Management and operations includes items such as: 1) conducting TAC and TCC meetings and associated material and presentation development; 2) preparing quarterly progress reports and documenting expenditures for planning work items; 3) staff development through professional training courses, seminars, and conferences; 4) subscriptions to professional publications and professional organizational dues; 5) the acquisition of needed software, books, and other materials; and 6) other MPO capacity building efforts for the TAC, TCC and MPO staff.

**Durham-Chapel Hill-Carrboro Urban Area
FY 2006-2007 Unified Planning Work Program
Consulting Services Breakdown**

Town of Carrboro

Task Description		STP-DA 133(b)(3)(7)						Section 104(f) - PL								
		Staff		Consulting		Total STP-DA		Staff		Consulting		Total PL				
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%			
II A	Surveillance of Change															
1	Traffic Volume Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Street System Changes	0	0	0	0	0	0	50	200	0	0	50	200	0	50	200
4	Traffic Accidents	0	0	0	0	0	0	150	600	0	0	150	600	0	150	600
5	Transit System Data	0	0	0	0	0	0	300	1,200	0	0	300	1,200	0	300	1,200
6	Dwelling Unit, Pop. & Emp. Change	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Air Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Travel Time Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Mapping	0	0	0	0	0	0	150	600	0	0	150	600	0	150	600
11	Central Area Parking Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Bike & Ped. Facilities Inventory	0	0	0	0	0	0	60	240	0	0	60	240	0	60	240
13	Bike & Ped. Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II B	Long Range Transp. Plan															
1	Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Collection of Network Data	0	0	0	0	0	0	60	240	0	0	60	240	0	60	240
3	Travel Model Updates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Travel Surveys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Forecast of Data to Horizon year	0	0	0	0	0	0	120	480	0	0	120	480	0	120	480
6	Community Goals & Objectives	0	0	0	0	0	0	60	240	0	0	60	240	0	60	240
7	Forecast of Future Travel Patterns	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Capacity Deficiency Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Highway Element of th L RTP	0	0	0	0	0	0	50	200	0	0	50	200	0	50	200
10	Bicycle & Ped. Element of the L RTP	0	0	0	0	0	0	100	400	0	0	100	400	0	100	400
11	Airport/Air Travel Element of L RTP	0	0	0	0	0	0	500	2,000	0	0	500	2,000	0	500	2,000
12	Collector Street Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Collector Street Element of L RTP	0	0	0	0	0	0	75	300	0	0	75	300	0	75	300
14	Rail, Water or other mode of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Freight Movement/Mobility Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Financial Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Congestion Management Strategies	0	0	0	0	0	0	600	2,400	0	0	600	2,400	0	600	2,400
18	Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II C	Short Range Transit Planning															
1	Short Range Transit Planning	0	0	0	0	0	0	250	1,000	0	0	250	1,000	0	250	1,000
III-A	Planning Work Program															
		0	0	0	0	0	0	300	1,200	0	0	300	1,200	0	300	1,200

**Durham-Chapel Hill-Carrboro Urban Area
FY 2006-2007 Unified Planning Work Program
Consulting Services Breakdown**

Town of Carrboro

	Task Description	STP-DA 133(b)(3)(7)						Section 104(f) - PL					
		Staff		Consulting		Total STP-DA		Staff		Consulting		Total PL	
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%
III-B	Transp. Improvement Plan	0	0	0	0	0	0	400	1,600	0	0	400	1,600
III-C	Civil Rgts. Cmp./Otr .Reg. Reqs.												
1	Title VI	0	0	0	0	0	0	0	0	0	0	0	0
2	Environmental Justice	0	0	0	0	0	0	60	240	0	0	60	240
3	Minority Business Enterprise	0	0	0	0	0	0	40	160	0	0	40	160
4	Planning for the Elderly & Disabled	0	0	0	0	0	0	50	200	0	0	50	200
5	Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Involvement	0	0	0	0	0	0	150	600	0	0	150	600
7	Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0
III-D	Incidental Plng./Project Dev.												
1	Transportation Enhancement Plng.	0	0	0	0	0	0	0	0	0	0	0	0
2	Enviro. Analysis & Pre-TIP Plng.	0	0	0	0	0	0	100	400	0	0	100	400
3	Special Studies	0	0	0	0	0	0	0	0	0	0	0	0
4	Regional or Statewide Planning	0	0	0	0	0	0	0	0	0	0	0	0
III-E	Management & Operations												
1	Management & Operations	0	0	0	0	0	0	2,716	10,864	0	0	2,716	10,864
Totals		\$0	\$0	\$0	\$0	\$0	\$0	\$6,341	\$25,364	\$0	\$0	\$6,341	\$25,364

Town of Chapel Hill
Task Funding Table
Task Description and Narrative
Consulting Services Breakdown
Chapel Hill Transit (FTA) Funding Table
Chapel Hill Transit (FTA) Narrative
FTA Disadvantaged Business Contracting Opportunities Form

Town of Chapel Hill		Durham-Chapel Hill-Carrboro Urban Area FY 2006-2007 Unified Planning Work Program Proposed Funding Source Tables												Town of Chapel Hill 4/20/2006 10:49				
Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary				
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total	
II A Surveillance of Change																		
1 Traffic Volume Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
2 Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
3 Street System Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
4 Traffic Accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
5 Transit System Data	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
6 Dwelling Unit, Pop. & Emp. Change	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
7 Air Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
8 Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
9 Travel Time Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
10 Mapping	0	0	0	0	1,875	1,875	15,000	1,250	1,250	10,000	3,125	3,125	25,000	31,250	-	-	-	-
11 Central Area Parking Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
12 Bike & Ped. Facilities Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
13 Bike & Ped. Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
II B Long Range Transp. Plan																		
1 Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
2 Collection of Network Data	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
3 Travel Model Updates	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
4 Travel Surveys	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
5 Forecast of Data to Horizon year	0	0	1,250	5,000	625	625	5,000	0	0	0	1,875	625	10,000	12,500	-	-	-	-
6 Community Goals & Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
7 Forecast of Future Travel Patterns	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
8 Capacity Deficiency Analysis	0	0	1,250	5,000	307	307	2,456	0	0	0	1,557	307	7,456	9,320	-	-	-	-
9 Highway Element of th L RTP	0	0	1,250	5,000	0	0	0	0	0	0	1,250	0	5,000	6,250	-	-	-	-
10 Transit Element of the L RTP	40,000	160,000	0	0	2,500	2,500	20,000	0	0	0	42,500	2,500	180,000	225,000	-	-	-	-
11 Bicycle & Ped. Element of the L RTP	0	0	2,500	10,000	0	0	0	0	0	0	2,500	0	10,000	12,500	-	-	-	-
12 Airport/Air Travel Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
13 Collector Street Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
14 Rail, Water or other mode of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
15 Freight Movement/Mobility Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
16 Financial Planning	0	0	2,500	10,000	625	625	5,000	0	0	0	3,125	625	15,000	18,750	-	-	-	-
17 Congestion Management Strategies	0	0	0	0	0	0	0	0	382	382	382	382	3,056	3,820	-	-	-	-
18 Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-
III C Short Range Transit Planning																		
1 Short Range Transit Planning	0	0	0	0	125	125	1,000	0	0	0	125	125	1,000	1,250	-	-	-	-
III-A Planning Work Program																		
1 Planning Work Program	0	0	250	1,000	375	375	3,000	375	375	3,000	1,000	750	7,000	8,750	-	-	-	-
III-B Transp. Improvement Plan																		
1 Transp. Improvement Plan	0	0	500	2,000	0	0	0	250	250	2,000	750	250	4,000	5,000	-	-	-	-
III-C Cvl Rqts. Cmp./Otr. Reg. Reqs.																		
1 Title VI	0	0	0	0	0	0	0	375	375	3,000	375	375	3,000	3,750	-	-	-	-
2 Environmental Justice	0	0	0	0	0	0	0	375	375	3,000	375	375	3,000	3,750	-	-	-	-
3 Minority Business Enterprise	0	0	0	0	0	0	0	1,250	1,250	10,000	1,250	1,250	10,000	12,500	-	-	-	-

Town of Chapel Hill		Durham-Chapel Hill-Carrboro Urban Area FY 2006-2007 Unified Planning Work Program Proposed Funding Source Tables												Town of Chapel Hill 4/20/2006 10:49			
Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
4 Planning for the Elderly & Disabled	0	0	0	0	0	0	0	1,250	1,250	10,000	1,250	1,250	10,000	1,250	1,250	10,000	12,500
5 Safety/Drug Control Planning	0	0	0	0	0	0	0	625	625	5,000	625	625	5,000	625	625	5,000	6,250
6 Public Involvement	0	0	0	0	0	0	0	750	750	6,000	750	750	6,000	750	750	6,000	7,500
7 Private Sector Participation	0	0	0	0	0	0	0	375	375	3,000	375	375	3,000	375	375	3,000	3,750
III-D Incidental Plng./Project Dev.																	
1 Transportation Enhancement Plng.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Enviro. Analysis & Pre-TIP Plng.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Special Studies	0	0	1,250	5,000	0	0	0	6,875	6,875	55,000	8,125	6,875	60,000	8,125	6,875	60,000	75,000
4 Regional or Statewide Planning	0	0	0	0	625	625	5,000	625	625	5,000	1,250	1,250	10,000	1,250	1,250	10,000	12,500
III-E Management & Operations																	
1 Management & Operations	0	0	5,749	22,996	4,750	4,750	38,000	5,243	5,243	41,944	15,742	9,993	102,940	15,742	9,993	102,940	128,675
Totals	\$40,000	\$160,000	\$16,499	\$65,996	\$11,807	\$11,807	\$94,456	\$20,000	\$20,000	\$160,000	\$88,306	\$31,807	\$480,452	\$88,306	\$31,807	\$480,452	\$600,565

Task Descriptions and Summary Narratives for FY 2006-07 UPWP

Task II-A-10: Mapping

Development and maintenance of maps for use in the development and implementation of various tasks.

Objectives:

1. To prepare maps to support new transportation planning initiatives.
2. To maintain and update existing maps.

Previous Work:

1. Preparation of mapping for 2030 Long Range Transportation Plan
2. Preparation of mapping for Chapel Hill Transit

Proposed Activities:

1. Prepare mapping for 2035 Long Range Transportation Plan
2. Prepare various mapping for ongoing transit and transportation planning projects.

Products:

1. 2035 Plan maps
2. 2006-2007 Chapel Hill Transit maps

Completion Date:

Mapping for 2035 plan will be ongoing throughout year. Mapping for Chapel Hill Transit will be completed in August, 2006.

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will be completed by staff, in consultation with MPO staff.

Task II-B-5: Forecast Data to Horizon Year

Refinement and updating of 2035 forecast data.

Objectives:

1. To prepare estimates of change in base year socio economic data
2. Project 2035 data.

Previous Work:

1. Development of 2030 projections.

Proposed Activities:

1. Collect base year data and review for accuracy.
2. Develop projections for 2035.

Products:

1. 2035 socio economic projections.

Completion Date:

September, 2006

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task II-B-8: Capacity/Deficiency Analysis

Evaluation of 2035 projections to anticipated and proposed transportation network.

Objectives:

1. To assess the adequacy of the existing and proposed transportation network to future person trips.

Previous Work:

1. Assessment of 2030 capacity/deficiency projections.

Proposed Activities:

1. Review projected person trip data
2. Compare projected person trip data to transportation networks to assess adequacy.

Products:

1. MPO capacity deficiency analysis.

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task II-B-9: Highway Element of LRTP

Assessment of 2035 highway network.

Objectives:

1. To assess the adequacy of the adopted highway network and evaluate possible modifications for inclusion in the 2035 Regional Plan.

Previous Work:

1. Assessment of 2030 highway network.

Proposed Activities:

1. Review capacity/deficiency data and evaluate highway network..

Products:

1. MPO 2035 Plan highway element.

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task II-B-10: Transit Element of L RTP

Assessment of 2035 transit network.

Objectives:

1. To assess the adequacy of the adopted transit network and evaluate possible modifications for inclusion in the 2035 Regional Plan.
2. To initiate the Chapel Hill-Carrboro Long Range Transit Plan

Previous Work:

1. Assessment of 2030 transit network.
2. Development of the 2030 Plan Transit Element

Proposed Activities:

1. Review capacity/deficiency data and evaluate transit network for 2035 Plan.
2. Complete the CH-Carrboro Long Range Transit Plan
 - a. Identify Principle Transportation Corridors
 - b. Develop Base Year Person Trips
 - c. Utilize 2035 Land Use Socio Economic Projections
 - d. Evaluate regional model for use to evaluate impacts
 - e. Project future travel demand and transportation corridor capacity
 - f. Develop person trip goals for principle transportation corridors
 - g. Identify and evaluate potential transit technologies
 - h. Assess the impact of selected transit alternatives
 - i. Prepare evaluation of land use development consistent with person trip goals and selected transit investment
 - j. Prepare implementation plan
 - k. Prepare financial plan
 - l. Prepare monitoring plan

Products:

1. MPO 2035 Plan transit element.
2. Chapel Hill-Carrboro Long Range Transit Plan

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will be completed by staff, in consultation with MPO staff. Long Range Transit Plan will be completed by consultant.

Task II-B-11: Bicycle and Pedestrian Element of LRTP

Assessment of 2035 bicycle and pedestrian network.

Objectives:

1. To assess the adequacy of the adopted bicycle and pedestrian network and evaluate possible modifications for inclusion in the 2035 Regional Plan.

Previous Work:

1. Assessment of 2030 bicycle and pedestrian network.

Proposed Activities:

1. Review existing bicycle and pedestrian networks and prepare recommended modifications.

Products:

1. MPO 2035 Plan bicycle and pedestrian element.

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will be completed by staff, in consultation with MPO staff.

Task II-B-16: Financial Planning

Development of financial plan for the 2035 Transportation Plan

Objectives:

1. To develop estimates of anticipated transportation revenue and project costs for development of a fiscally constrained 2035 Plan.

Previous Work:

1. 2030 Plan Financial Plan, TIP and management of the STP DA fund.

Proposed Activities:

1. Collect information on status of current transportation funding and prepare projections of anticipated funding.
2. Develop cost estimates for construction and operation of transportation facilities included in the 2035 Plan.
3. Prepare a fiscally constrained financial plan.

Products:

1. MPO 2035 Financial Plan

Completion Date:

Draft, June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task III-B-: TIP

Development of 2007-2013 and draft 2008-2014 TIP.

Objectives:

1. To develop the 2007-2013 and draft 2008-2014 TIP.

Previous Work:

Draft 2007-2013 and 2006-2012 TIP.

Proposed Activities:

1. Develop priority list
2. Prepare draft TIP
3. Negotiations with NCDOT
4. Development of final TIP.

Products:

1. 2007-2013 and draft 2008-2014 TIP

Completion Date:

Draft, June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task III-A-: Planning Work Program

Development of 2007-2008 PWP.

Objectives:

1. To develop a 2007-2008 planning work program.

Previous Work:

2006-2007 planning work program.

Proposed Activities:

1. Identify anticipated work tasks for FY2007-2008.
2. Allocate anticipated resources to complete work tasks.

Products:

1. FY2007-2008 PWP.

Completion Date:

Draft, June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task III-C-1: Title VI

Complete an assessment of compliance with federal Title VI regulations.

Objectives:

1. To review compliance with Title VI regulations.

Previous Work:

Ongoing evaluation of Title VI compliance.

Proposed Activities:

1. Review status of Title VI activities
2. Identify changes to Title VI regulations
3. Certify compliance with Title VI.

Products:

1. Title VI compliance

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task III-C-2: Environmental Justice

Prepare assessment of environmental justice in development of 2035 Long Range Transportation Plan and ongoing provision of transit service.

Objectives:

1. To evaluate environmental justice issues in 2035 Plan and ongoing transit planning.

Previous Work:

Title VI evaluation.

Proposed Activities:

1. Prepare environmental justice assessment of current Chapel Hill transit service.
2. Prepare environmental justice assessment of 2035 Long Range Transportation Plan.

Products:

1. 2035 Regional Plan Environmental Justice evaluation
2. Chapel Hill Title VI compliance

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task III-C-3: Minority Business Enterprise

Prepare assessment of compliance with minority business regulations and identify opportunities for expanded opportunities.

Objectives:

1. To evaluate compliance with minority business enterprise regulations.

Previous Work:

Minority business evaluation

Proposed Activities:

1. Identify opportunities for minority businesses.
2. Determine compliance with minority business enterprise regulations

Products:

1. Title VI certification

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task III-C-4: Planning for Elderly and Disabled

Evaluate existing transit service for elderly and disabled populations.

Objectives:

1. To evaluate transit services for elderly and disabled population. Assess opportunities for expanded service.

Previous Work:

Annual review of elderly and disabled transit services.

Proposed Activities:

1. Monitor elderly and disabled transit ridership
2. Review service levels and identify need for additional service.

Products:

1. Annual review of elderly and disabled transit services.

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task III-C-5: Safety/Drug Control Planning

Evaluate safety and drug control policies and programs.

Objectives:

1. To evaluate drug control programs and monitor transit safety efforts.

Previous Work:

Annual review of drug control and transit safety programs.

Proposed Activities:

1. Monitor drug control programs
2. Evaluate transit safety programs

Products:

1. Annual review of drug control and transit safety programs.

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task III-C-6: Public Involvement

Implement programs to increase public involvement.

Objectives:

1. To allow for public involvement in operation of transit system.

Previous Work:

Ongoing public involvement programs.

Proposed Activities:

1. Implement outreach programs to provide information to the public
2. Solicit public comments on public transit services.

Products:

1. Annual transit forum.

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task III-C-7: Private Sector Participation

To assess opportunities for private sector participation in the provision of transit services.

Objectives:

1. To review the opportunities for private sector provision of transit services.

Previous Work:

Ongoing evaluation of private sector participation.

Proposed Activities:

1. Assess private sector opportunities.

Products:

1. Annual evaluation.

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task III-D-3: Special Studies

To complete special transportation planning studies.

Objectives:

1. Prepare special studies.

Previous Work:

1. NC86 Bicycle and Pedestrian Safety Improvements Implementation Study.

Proposed Activities:

1. Chapel Hill Downtown Transit Transfer Study Feasibility Study.

Products:

1. Chapel Hill Downtown Transit Transfer Study Feasibility Study.

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by consultant.

Task III-D-4: Regional or Statewide Planning

Participate in various regional and statewide planning projects.

Objectives:

1. To provide guidance and support regional and Statewide planning projects.

Previous Work:

US 15-501 Fixed Guideway Corridor Realignment

Proposed Activities:

1. Provide support to Regional Transit Vision Plan.

Products:

1. Regional Transit Vision Plan.

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

Task III-E: Management and Operations

Provide support to MPO and manage Chapel Hill transportation planning tasks.

Objectives:

1. Support MPO activities, including monthly and subcommittee meetings. Provide input to regional planning projects.

Previous Work:

1. DCHC MPO meetings and subcommittee meetings.

Proposed Activities:

1. Attend MPO meetings, chair subcommittees and provide staff support to regional projects.

Products:

1. 2008-2014 TIP
2. 2035 Regional Transportation Plan.

Completion Date:

June 30, 2007

Proposed Budget and Level of Effort (Staff or Consulting)

Tasks will completed by staff, in consultation with MPO staff.

**Durham-Chapel Hill-Carrboro Urban Area
FY 2006-2007 Unified Planning Work Program
Consulting Services Breakdown**

Town of Chapel Hill

	Task Description	STP-DA 133(b)(3)(7)						Section 104(f) - PL									
		Staff		Consulting		Total STP-DA		Staff		Consulting		Total PL					
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%				
II A	Surveillance of Change																
II A	1 Traffic Volume Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Street System Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Traffic Accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Transit System Data	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Dwelling Unit, Pop. & Emp. Change	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Air Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Travel Time Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Central Area Parking Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Bike & Ped. Facilities Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Bike & Ped. Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II B	Long Range Transp. Plan																
B	1 Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Collection of Network Data	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Travel Model Updates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Travel Surveys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Forecast of Data to Horizon year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Community Goals & Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Forecast of Future Travel Patterns	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Capacity Deficiency Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Highway Element of th L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Transit Element of the L RTP	0	0	40,000	160,000	40,000	160,000	40,000	160,000	40,000	160,000	40,000	160,000	40,000	160,000	40,000	160,000
11	Bicycle & Ped. Element of the L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Airport/Air Travel Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Collector Street Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Rail, Water or other mode of L RTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Freight Movement/Mobility Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Financial Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Congestion Management Strategies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II C	Short Range Transit Planning																
I	Short Range Transit Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-A	Planning Work Program																
	Planning Work Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	250	1,000

**Durham-Chapel Hill-Carrboro Urban Area
FY 2006-2007 Unified Planning Work Program
Consulting Services Breakdown**

Town of Chapel Hill

	Task Description	STP-DA 133(b)(3)(7)						Section 104(f) - PL					
		Staff		Consulting		Total STP-DA		Staff		Consulting		Total PL	
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%
III-B	Transp. Improvement Plan	0	0	0	0	0	0	500	2,000	0	0	500	2,000
III-C	Civil Rgts. Cmp./Otr .Reg. Reqs.												
1	3 Title VI	0	0	0	0	0	0	0	0	0	0	0	0
2	Environmental Justice	0	0	0	0	0	0	0	0	0	0	0	0
3	Minority Business Enterprise	0	0	0	0	0	0	0	0	0	0	0	0
4	Planning for the Elderly & Disabled	0	0	0	0	0	0	0	0	0	0	0	0
5	Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Involvement	0	0	0	0	0	0	0	0	0	0	0	0
7	Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0
III-D	Incidental Plng./Project Dev.												
1	Transportation Enhancement Plng.	0	0	0	0	0	0	0	0	0	0	0	0
2	Enviro. Analysis & Pre-TIP Plng.	0	0	0	0	0	0	0	0	0	0	0	0
3	Special Studies	0	0	0	0	0	0	1,250	5,000	0	0	1,250	5,000
4	Regional or Statewide Planning	0	0	0	0	0	0	0	0	0	0	0	0
III-E	Management & Operations												
1	Management & Operations	0	0	0	0	0	0	5,749	22,996	0	0	5,749	22,996
Totals		\$0	\$0	\$40,000	\$160,000	\$40,000	\$160,000	\$16,499	\$65,996	\$0	\$0	\$16,499	\$65,996

Durham-Chapel Hill-Carrboro Urban Area														Town of Chapel Hill			
FY 2006-2007 Unified Planning Work Program														4/20/2006 14:33			
Proposed Funding Source Tables - FTA Transit Funds																	
Task Description	STP-DA		Sec. 104(f)		Section 5303			Section 5307			Section 5309			Task Funding Summary			
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
6 Public Involvement	0	0	0	0	0	0	0	750	375	3,000	0	0	0	750	375	6,000	7,500
7 Private Sector Participation	0	0	0	0	0	0	0	375	375	3,000	0	0	0	375	375	3,000	3,750
III-D																	
1 Incidental Png./Project Dev.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 Transportation Enhancement Png.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 Enviro. Analysis & Pre-TIP Png.	0	0	0	0	0	0	0	6,875	6,875	55,000	0	0	0	6,875	6,875	55,000	68,750
4 Regional or Statewide Planning	0	0	0	0	625	625	5,000	625	625	5,000	0	0	0	1,250	1,250	10,000	12,500
III-E																	
1 Management & Operations	0	0	0	0	4,750	4,750	38,000	5,243	5,243	41,944	0	0	0	9,993	9,993	79,944	99,930
Totals	\$0	\$0	\$0	\$0	\$11,807	\$11,807	\$94,456	\$20,000	\$20,000	\$160,000	\$0	\$0	\$0	\$31,807	\$31,807	\$254,456	\$318,070

**CHAPEL HILL TRANSIT
FTA TASK NARRATIVE TABLE
FY 2006-2007**

I- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-A-10
4- Title	Mapping
5- Task Objective	To maintain and modify maps of Chapel Hill Transit routes using GIS technology.
6- Tangible Product Expected	Maps will be prepared for use in various projects. Both electronic and paper maps will be prepared.
7- Expected Completion Date of Products	June-07
8- Previous Work	Preparation of mapping.
9- Prior FTA Funds	\$12,500
10- Relationship	This mapping will be provided to the Regional Model Bureau for use in the calibration of the Regional Model. The maps will also be used to update the Short Range Transit Plan, annual system maps and in the development of the 2035 Regional Transportation Plan.
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	1,875
17- Section 5303 NCDOT 10%	1,875
18- Section 5303 FTA 80%	15,000
19- Section 5307 Transit - Local 10%	1,250
20- Section 5307 Transit - NCDOT 10%	1,250
21- Section 5307 Transit - FTA 80%	10,000
22- Additional Funds - Local 100%	

I- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-B-5
4- Title	Forecast of Data to Horizon Year Model Updates
5- Task Objective	To participate in the revision to the Triangle Regional Model and further refinement of the mode split procedures and transit element.
6- Tangible Product Expected	Revised Triangle Regional Model.
7- Expected Completion Date of Products	June-07

8- Previous Work	Participation in the development of the Triangle Regional Model.
9- Prior FTA Funds	\$3,000
10- Relationship	This effort is necessary to complete the 2040 Regional Transportation Plan.
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	625
17- Section 5303 NCDOT 10%	625
18- Section 5303 FTA 80%	5,000
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

I- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-B-8
4- Title	Capacity Deficiency Analysis
5- Task Objective	To analyze system performance and develop strategies to reduce congestion.
6- Tangible Product Expected	2035 Regional Plan
7- Expected Completion Date of Products	June, 07
8- Previous Work	2030 Regional Plan
9- Prior FTA Funds	\$4,800
10- Relationship	This information will be used in the development of the 2035 Plan and Regional Transit Vision Plan
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	307
17- Section 5303 NCDOT 10%	307
18- Section 5303 FTA 80%	2,456
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

I- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-B-10
4- Title	Transit Element of the Long Range Plan
5- Task Objective	To revise the 2030 transit plan as part of the development of the 2040 Long Range Plan.
6- Tangible Product Expected	Transit element of the 2040 Plan.
7- Expected Completion Date of Products	June-07
8- Previous Work	Development of the 2030 Plan transit element.
9- Prior FTA Funds	\$6,000
10- Relationship	The transit element will be part of the DCHC 2040 Plan.
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	625
17- Section 5303 NCDOT 10%	625
18- Section 5303 FTA 80%	5,000
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	
21- Section 5307 Transit - FTA 80%	
22- Additional Funds - Local 100%	

I- MPO	Town of Chapel Hill
2- FTA Code	442301
3- Task Code	II-B-16
4- Title	Financial Planning
5- Task Objective	To prepare the Financial Plan for the 2035 Regional Transportation Plan
6- Tangible Product Expected	2035 Regional Plan
7- Expected Completion Date of Products	June-07
8- Previous Work	2030 Plan.
9- Prior FTA Funds	\$4,000
10- Relationship	This information will be used to refine Chapel Hill Transit's efforts to complete a long range transit plan.
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	

15- Section 104 (f) P I FHWA 80%
 16- Section 5303 Local 10% 1,875
 17- Section 5303 NCDOT 10% 1,875
 18- Section 5303 FTA 80% 15,000
 19- Section 5307 Transit - Local 10%
 20- Section 5307 Transit - NCDOT 10%
 21- Section 5307 Transit - FTA 80%
 22- Additional Funds - Local 100%

I- MPO Town of Chapel Hill
 2- FTA Code 442301
 3- Task Code II-B-17
 4- Title Congestion Management Strategies
 5- Task Objective To evaluate Congestion Management strategies for the 2035 Regional Transportation Plan
 6- Tangible Product Expected 2035 Regional Plan
 7- Expected Completion
 Date of Products June-07
 8- Previous Work 2030 Plan.
 9- Prior FTA Funds \$4,000
 10- Relationship This information will be used to refine Chapel Hill Transit's efforts to complete a long range transit plan.
 11- Agency Town of Chapel Hill Transit and Planning Departments
 12- HPR - Highway - NCDOT 20%
 13- HPR - Highway - F11WA 80%
 14- Section 104 (f) PI, Local 20%
 15- Section 104 (f) P I FHWA 80%
 16- Section 5303 Local 10%
 17- Section 5303 NCDOT 10%
 18- Section 5303 FTA 80%
 19- Section 5307 Transit - Local 10% 382
 20- Section 5307 Transit - NCDOT 10% 382
 21- Section 5307 Transit - FTA 80% 3,056
 22- Additional Funds - Local 100%

I- MPO Town of Chapel Hill
 2- FTA Code 442100
 3- Task Code III-A
 4- Title Planning Work Program
 5- Task Objective To develop and monitor the annual planning work program.
 6- Tangible Product Expected 2007-08 Planning Work Program.
 7- Expected Completion
 Date of Products May-07
 8- Previous Work 2006-07 Planning Work Program.

9- Prior FTA Funds	\$2,000
10- Relationship	The Planning Work Program supports various regional planning efforts
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	125
17- Section 5303 NCDOT 10%	125
18- Section 5303 FTA 80%	1,000
19- Section 5307 Transit - Local 10%	375
20- Section 5307 Transit - NCDOT 10%	375
21- Section 5307 Transit - FTA 80%	3,000
22- Additional Funds - Local 100%	

I- MPO	Town of Chapel Hill
2- FTA Code	442500
3- Task Code	III-B
4- Title	Transportation Improvement Program
5- Task Objective	To prepare the 2007-2013 TIP.
6- Tangible Product Expected	2007-2013 TIP.
7- Expected Completion Date of Products	June-07
8- Previous Work	Development of the 2006-2012 TIP.
9- Prior FTA Funds	\$2,000
10- Relationship	The transit element will be part of the DCHC 2035 Plan.
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	375
17- Section 5303 NCDOT 10%	375
18- Section 5303 FTA 80%	3,000
19- Section 5307 Transit - Local 10%	250
20- Section 5307 Transit - NCDOT 10%	250
21- Section 5307 Transit - FTA 80%	2,000
22- Additional Funds - Local 100%	

I- MPO	Town of Chapel Hill
2- FTA Code	442700
3- Task Code	III-C-1
4- Title	Title VI
5- Task Objective	To assess compliance with federal Title VI regulations.

6- Tangible Product Expected	Title VI assessment.
7- Expected Completion Date of Products	June-07
8- Previous Work	Ongoing monitoring
9- Prior FTA Funds	\$3,000
10- Relationship	This project supports the development of the 2007-2013 TIP.
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 Transit - Local 10%	375
20- Section 5307 Transit - NCDOT 10%	375
21- Section 5307 Transit - FTA 80%	3,000
22- Additional Funds - Local 100%	

I- MPO	Town of Chapel Hill
2- FTA Code	442604
3- Task Code	III-C-2
4- Title	Environmental Justice
5- Task Objective	To assess impact of transit services on low income and minority populations
6- Tangible Product Expected	Annual assessment.
7- Expected Completion Date of Products	June-07
8- Previous Work	Ongoing monitoring
9- Prior FTA Funds	\$3,000
10- Relationship	This project supports the development of the 2035 Regional Plan.
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 Transit - Local 10%	375
20- Section 5307 Transit - NCDOT 10%	375
21- Section 5307 Transit - FTA 80%	3,000
22- Additional Funds - Local 100%	

I- MPO	Town of Chapel Hill
2- FTA Code	442700
3- Task Code	III-C-3
4- Title	Minority Business Enterprise
5- Task Objective	To assess compliance with minority business enterprise regulations
6- Tangible Product Expected	Annual assessment.
7- Expected Completion Date of Products	June-07
8- Previous Work	Ongoing monitoring
9- Prior FTA Funds	\$12,000
10- Relationship	
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 Transit - Local 10%	1,250
20- Section 5307 Transit - NCDOT 10%	1,250
21- Section 5307 Transit - FTA 80%	10,000
22- Additional Funds - Local 100%	

I- MPO	Town of Chapel Hill
2- FTA Code	442400
3- Task Code	III-C-4
4- Title	Planning for Elderly and Handicapped
5- Task Objective	To assess impact of transit services on elderly and handicapped populations
6- Tangible Product Expected	Annual assessment.
7- Expected Completion Date of Products	June-07
8- Previous Work	Ongoing monitoring
9- Prior FTA Funds	\$12,000
10- Relationship	This project supports the development of the 2035 Regional Plan.
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	

14- Section 104 (f) PI, Local 20%
 15- Section 104 (f) P I FHWA 80%
 16- Section 5303 Local 10%
 17- Section 5303 NCDOT 10%
 18- Section 5303 FTA 80%
 19- Section 5307 Transit - Local 10% 1,250
 20- Section 5307 Transit - NCDOT 10% 1,250
 21- Section 5307 Transit - FTA 80% 12,000
 22- Additional Funds - Local 100%

I- MPO Town of Chapel Hill
 2- FTA Code 442400
 3- Task Code III-C-5
 4- Title Safety Drug Control Planning
 5- Task Objective To implement and monitor federal safety and drug control planning
 6- Tangible Product Expected Annual assessment.
 7- Expected Completion
 Date of Products June-07
 8- Previous Work Ongoing monitoring
 9- Prior FTA Funds \$0
 10- Relationship
 11- Agency Town of Chapel Hill Transit and Planning Departments
 12- HPR - Highway - NCDOT 20%
 13- HPR - Highway - F11WA 80%
 14- Section 104 (f) PI, Local 20%
 15- Section 104 (f) P I FHWA 80%
 16- Section 5303 Local 10%
 17- Section 5303 NCDOT 10%
 18- Section 5303 FTA 80%
 19- Section 5307 Transit - Local 10% 625
 20- Section 5307 Transit - NCDOT 10% 625
 21- Section 5307 Transit - FTA 80% 5,000
 22- Additional Funds - Local 100%

I- MPO Town of Chapel Hill
 2- FTA Code 442100
 3- Task Code III-C-6
 4- Title Public Involvement
 5- Task Objective To establish public outreach efforts to engage public involvement.
 6- Tangible Product Expected Annual transit forum.
 7- Expected Completion
 Date of Products June-07
 8- Previous Work January, 06 public forum.

9- Prior FTA Funds \$6,000

10- Relationship This project supports the development of the 2035 Regional Plan.

11- Agency Town of Chapel Hill Transit and Planning Departments

12- HPR - Highway - NCDOT 20%

13- HPR - Highway - F11WA 80%

14- Section 104 (f) PI, Local 20%

15- Section 104 (f) P I FHWA 80%

16- Section 5303 Local 10%

17- Section 5303 NCDOT 10%

18- Section 5303 FTA 80%

19- Section 5307 Transit - Local 10% 750

20- Section 5307 Transit - NCDOT 10% 750

21- Section 5307 Transit - FTA 80% 6,000

22- Additional Funds - Local 100%

I- MPO Town of Chapel Hill

2- FTA Code 442400

3- Task Code III-C-7

4- Title Private Sector Participation

5- Task Objective To assess opportunities for private sector contracting.

6- Tangible Product Expected Annual assessment.

7- Expected Completion
Date of Products June-07

8- Previous Work Ongoing monitoring

9- Prior FTA Funds \$0

10- Relationship

11- Agency Town of Chapel Hill Transit and Planning Departments

12- HPR - Highway - NCDOT 20%

13- HPR - Highway - F11WA 80%

14- Section 104 (f) PI, Local 20%

15- Section 104 (f) P I FHWA 80%

16- Section 5303 Local 10%

17- Section 5303 NCDOT 10%

18- Section 5303 FTA 80%

19- Section 5307 Transit - Local 10% 375

20- Section 5307 Transit - NCDOT 10% 375

21- Section 5307 Transit - FTA 80% 3,000

22- Additional Funds - Local 100%

I- MPO Town of Chapel Hill

2- FTA Code 442700

3- Task Code III-D-3

4- Title Special Studies

5- Task Objective	To prepare special studies to support ongoing transit operations.
6- Tangible Product Expected	Downtown Transit Transfer Center Feasibility Study assessment.
7- Expected Completion Date of Products	June-07
8- Previous Work	Ongoing monitoring
9- Prior FTA Funds	\$0
10- Relationship	This project supports the development of the 2035 Regional Plan.
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 Transit - Local 10%	6,875
20- Section 5307 Transit - NCDOT 10%	6,875
21- Section 5307 Transit - FTA 80%	55,000
22- Additional Funds - Local 100%	

1- MPO	Town of Chapel Hill
2- FTA Code	442200
3- Task Code	III-D-4
4- Title	Regional or Statewide Planning
5- Task Objective	To support regional and statewide planning projects.
6- Tangible Product Expected	
7- Expected Completion Date of Products	June-07
8- Previous Work	Seamless transit effort.
9- Prior FTA Funds	\$2,000
10- Relationship	This project supports the development of the 2035 Regional Plan.
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	625
17- Section 5303 NCDOT 10%	625
18- Section 5303 FTA 80%	5,000

19- Section 5307 Transit - Local 10%	625
20- Section 5307 Transit - NCDOT 10%	625
21- Section 5307 Transit - FTA 80%	5,000
22- Additional Funds - Local 100%	

I- MPO	Town of Chapel Hill
2- FTA Code	442100
3- Task Code	III-E
4- Title	Management and Operations
5- Task Objective	To support various transit planning activities.
6- Tangible Product Expected	Ongoing.
7- Expected Completion Date of Products	June-07
8- Previous Work	Management of transit planning program.
9- Prior FTA Funds	\$70,000
10- Relationship	Supports all other transit planning activities.
11- Agency	Town of Chapel Hill Transit and Planning Departments
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PI, Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	4,750
17- Section 5303 NCDOT 10%	4,750
18- Section 5303 FTA 80%	38,000
19- Section 5307 Transit - Local 10%	5,243
20- Section 5307 Transit - NCDOT 10%	5,243
21- Section 5307 Transit - FTA 80%	41,944
22- Additional Funds - Local 100%	

**Attachment # 7
Anticipated DBE Contracting Opportunities for FY07**

Name of MPO: _____Durham-Chapel Hill-Carrboro_____

Person Completing Form: _____David Bonk_____

Telephone Number: 986-2888 ext. 347

Prospectus Task Code	Prospectus Description	Name of Agency Contracting Out	Type of Contracting Opportunity (Consultant, etc.)	Federal Funds to be Contracted Out	Total Funds to be Contracted Out
III-D-3	Special Studies	Chapel Hill	Consultant	\$50,000	\$62,500

Sample Entry:

III-C-11	Transit Plan Evaluation	Big City Planning Department	Consultant	\$48,000	\$60,000
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Note: This form must be submitted to NCDOT-PTD even if you anticipate no DBE Contracting Opportunities. Note "No contracting opportunities" on the table if you do not anticipate having any contracting opportunities.

Orange County
Task Funding Table
Orange County Narratives
Consulting Services Breakdown

Task Description		SPR Highway		Sec. 104(f) & 133(b)(3)(7)		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
		NCDOT 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
II A	Surveillance of Change																	
1	Traffic Volume Counts			0	0													
2	Vehicle Miles of Travel																	
3	Street System Changes																	
4	Traffic Accidents																	
5	Transit System Data			0	0													
6	Dwelling Unit, Pop. & Emp. Change																	
7	Air Travel																	
8	Vehicle Occupancy Rates																	
9	Travel Time Studies			0	0													
10	Mapping			0	0													
11	Central Area Parking Inventory																	
12	Bike & Ped. Facilities Inventory																	
13	Bike & Ped. Counts			0	0													
III B	Long Range Transp. Plan																	
1	Collection of Base Year Data			0	0													
2	Collection of Network Data			0	0													
3	Travel Model Updates																	
4	Travel Surveys																	
5	Forecast of Data to Horizon year			0	0													
6	Community Goals & Objectives																	
7	Forecast of Future Travel Patterns																	
8	Capacity Deficiency Analysis																	
9	Highway Element of th L RTP																	
10	Transit Element of the L RTP																	
11	Bicycle & Ped. Element of the L RTP																	
12	Airport/Air Travel Element of L RTP																	
13	Collector Street Element of L RTP																	
14	Rail, Water or other mode of L RTP																	
15	Freight Movement/Mobility Planning																	
16	Financial Planning																	
17	Congestion Management Strategies			0	0													
18	Air Qual. Planning/Conformity Anal.			1,410	5,640									1,410		5,640		7,050
III C	Short Range Transit Planning																	
1	Short Range Transit Planning																	
III-A	Planning Work Program			0	0													
III-B	Transp. Improvement Plan			0	0													
III-C	Cvl Rqts. Cmp./Otr. Reg. Reqs.																	
1	Title VI																	
2	Environmental Justice			0	0													
3	Minority Business Enterprise																	

Orange County		Durham-Chapel Hill-Carrboro Urban Area FY 2006-2007 Unified Planning Work Program Proposed Funding Source Tables												Orange County 4/20/2006 10:52			
Task Description	SPR Highway		Sec. 104(f) & 133(b)(3)(7)		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	NCDOT 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
4 Planning for the Elderly & Disabled																	
5 Safety/Drug Control Planning			0	0													
6 Public Involvement																	
7 Private Sector Participation																	
III-D Incidental Pkg./Project Dev.																	
1 Transportation Enhancement Pkg.																	
2 Enviro. Analysis & Pre-TIP Pkg.																	
3 Special Studies			0	0													
4 Regional or Statewide Planning																	
III-E Management & Operations																	
1 Management & Operations	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals	\$0	\$0	\$1,410	\$5,640	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,410	\$0	\$5,640	\$7,050

2006-2007 UPWP Task Narrative Summary

Task II-B-18: Air Quality Planning/Conformity Analysis

Orange County, Chapel Hill and Carrboro are undertaking a joint effort to address greenhouse gas (GHG) emissions. The three jurisdictions have awarded a contract to the International Council of Local Environmental Initiatives (ICLEI) Energy Services (IES) of Toronto, Canada to complete an inventory of greenhouse gas emissions in Orange County and develop an action plan to effect reductions in greenhouse gas emissions. ICLEI approximates 39% of the inventory and local action plan work is for transportation-related sources. Orange County's Environment and Resource Conservation Department is serving as the project coordinator. Cost shares and responsibilities are outlined in the Memorandum of Agreement (MoA) approved by the governing boards of the three jurisdictions.

IES will conduct this project in the first half of calendar year 2006, with an anticipated completion date in July 2007. The consultant will work with an appointed Air Quality Advisory Committee (AQAC) and a joint staff work group to:

1. Inventory GHG emissions during a selected base year;
2. Forecast emissions over a selected planning period, up to the target year of 2025;
3. Develop an Emissions Reduction Target;
4. Identify actions that local governments, business, industry and the community could take to reduce GHG emissions through 2025; and
5. Develop a GHG Emissions Reduction Action Plan based on the above actions.

Objectives:

1. To identify existing measures and propose additional measures to reduce GHG emissions in Orange County; and
2. To create an inventory of sources and emissions of greenhouse gases in the county in order to:
 - Forecast GHG emissions for future years
 - Have a base year for comparison of future GHG emissions

Previous Work:

The consultant has met with the Air Quality Advisory Committee and has:

1. Met with key data providers
2. Established a project team list serve
3. Obtained community inventory and documentation
4. Collected base year community inventory data and information
5. Collected historic GHG reduction measures data and information
6. Simulated unavailable data
7. Transposed paper records
8. Categorized and cumulated data
9. Confirmed and clarified data

10. Entered data into ICLEI modeling software
11. Identified and modeled future measures to reduce GHG emissions
12. Worked with the Advisory Group to determine a GHG emissions reduction target

Proposed Activities:

1. Create scenarios based on future measures
2. Work with Advisory Group to select potential measures and reductions
3. Prepare draft report
4. Obtain comments from reviewers
5. Revise draft into final report

Products:

1. Data collected in this project and summarized data made available to the client through the ICLEI software.
2. Presentations to Advisory Group, Transportation Advisory Committee & Governing boards –will be made available to the client for future use and adaptation.
3. Electronic and hard copies of the final GHG Emissions Inventory and Reduction Local Action Plan (LAP).

Relationship to Other Plans and MPO Activities:

The project uses future population and employment projections from the DCHC MPO LRTP. Measures/ strategies identified in the LAP to reduce transportation-related GHG emissions will coordinate with those considered in the LRTP. IES is coordinating the development of the GHG Emissions Inventory and Reduction Local Action Plan with the Chapel Hill-Carolina Environmental Program Carbon Reduction Project.

Completion Date:

IES anticipates completion of the project in July 2006.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will be undertaken by the consultant. The following payment schedule shows the FY 2006-2007 payment including the breakdown for transportation related costs in **bold print**.

Phase of Project	Anticipated Invoice Date	Percentage	Total	Transportation-Related Costs	Eligible for Reimbursement
Start-up	21-Dec-05	15%	\$6,750	\$2,644	\$2,115
Mid-point	20-Mar-05	45%	\$20,250	\$7,931	\$6,345
Completion	20-Jul-05	40%	\$18,000	\$7,050	\$5,640
Total	-	100%	\$45,000	\$17,625	\$14,100

Funding Commitments from Other Entities:

Orange County, Chapel Hill and Carrboro have adopted a Memorandum of Agreement to fund the project as shown in the following table. Funds to be paid in FY 2006-2007 are shown in bold print for each jurisdiction.

	Memorandum Of Agreement	Total for Project	(40% to be Invoiced FY 2006-2007) – (amount eligible for FHWA reimbursement) = (\$18,000 - \$5,640)	Per MoA
Orange County	44.6%	\$13,781	\$12,360	\$5,513
Chapel Hill	41.2%	\$12,731	\$12,360	\$5,092
Carrboro	14.2%	\$4,388	\$12,360	\$1,755
Total	100.0%	\$30,900		\$12,360

**Durham-Chapel Hill-Carrboro Urban Area
FY 2006-2007 Unified Planning Work Program
Consulting Services Breakdown**

Orange County

	Task Description	STP-DA 133(b)(3)(7)						Section 104(f) - PL							
		Staff		Consulting		Total STP-DA		Staff		Consulting		Total PL			
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%		
III-B	Transp. Improvement Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-C	Civil Rgts. Cmp./Otr .Reg. Reqs.														
1	3 Title VI	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Environmental Justice	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Minority Business Enterprise	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Planning for the Elderly & Disabled	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Involvement	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-D	Incidental Plng./Project Dev.														
1	Transportation Enhancement Plng.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Enviro. Analysis & Pre-TIP Plng.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Special Studies	0	0	0	0	0	0	0	0	2,327	9,306	2,327	9,306	0	0
4	Regional or Statewide Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-E	Management & Operations														
1	Management & Operations	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,737	\$14,946	\$3,737	\$14,946	\$0	\$14,946

N.C. Department of Transportation
Task Funding Table

Durham-Chapel Hill-Carrboro Urban Area FY 2006-2007 Unified Planning Work Program Proposed Funding Source Tables												NCDOT 4/20/2006 10:50						
Task Description	SPR Highway		Sec. 104(f) & 133(b)(3)(7)		Section 5303 Highway/Transit		Section 5307 Transit		Section 5309 Transit		Task Funding Summary							
	NCDOT 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total	
II A Surveillance of Change																		
1 Traffic Volume Counts	0	0																
2 Vehicle Miles of Travel	0	0																
3 Street System Changes	0	0																
4 Traffic Accidents	0	0																
5 Transit System Data	0	0																
6 Dwelling Unit, Pop. & Emp. Change	0	0																
7 Air Travel	0	0																
8 Vehicle Occupancy Rates	0	0																
9 Travel Time Studies	0	0																
10 Mapping	0	0																
11 Central Area Parking Inventory	0	0																
12 Bike & Ped. Facilities Inventory	0	0																
13 Bike & Ped. Counts	0	0																
II B Long Range Transp. Plan																		
1 Collection of Base Year Data	0	0																
2 Collection of Network Data	0	0																
3 Travel Model Updates	2,100	8,400													2,100	8,400		10,500
4 Travel Surveys	0	0																
5 Forecast of Data to Horizon year	0	0																
6 Community Goals & Objectives	0	0																
7 Forecast of Future Travel Patterns	0	0																
8 Capacity Deficiency Analysis	0	0																
9 Highway Element of th LRTP	0	0																
10 Transit Element of the LRTP	0	0																
11 Bicycle & Ped. Element of the LRTP	0	0																
12 Airport/Air Travel Element of LRTP	0	0																
13 Collector Street Element of LRTP	200	800													200	800		1,000
14 Rail, Water or other mode of LRTP	0	0																
15 Freight Movement/Mobility Planning	0	0																
16 Financial Planning	0	0																
17 Congestion Management Strategies	800	3,200													800	3,200		4,000
18 Air Qual. Planning/Conformity Anal.	200	800													200	800		1,000
III C Short Range Transit Planning																		
1 Short Range Transit Planning	0	0																
III-A Planning Work Program																		
1 Planning Work Program	400	1,600													400	1,600		2,000
III-B Transp. Improvement Plan																		
1 Transp. Improvement Plan	400	1,600													400	1,600		2,000
III-C Cvl Rqts. Cmp./Otr. Reg. Reqs.																		
1 Title VI	0	0																
2 Environmental Justice	0	0																
3 Minority Business Enterprise	0	0																

Task Description		SPR Highway		Sec. 104(f) & 133(b)(3)(7)		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
		NCDOT 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
4	Planning for the Elderly & Disabled	0	0															
5	Safety/Drug Control Planning	0	0															
6	Public Involvement	0	0															
7	Private Sector Participation	0	0															
III-D																		
Incidental Pkg./Project Dev.																		
1	Transportation Enhancement Pkg.	100	400															
2	Enviro. Analysis & Pre-Trip Pkg.	1,000	4,000															
3	Special Studies	1,000	4,000															
4	Regional or Statewide Planning	2,100	8,400															
III-E																		
Management & Operations																		
1	Management & Operations	4,000	16,000															
Totals		\$12,300	\$49,200	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,300	\$49,200	\$0	\$61,500

Triangle Transit Authority (TTA)
Task Funding Table
Task Description and Narrative
TTA Transit (FTA) Narrative
Consulting Services Breakdown
FTA Disadvantaged Business Contracting Opportunities Form

Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
II A Surveillance of Change																	
1 Traffic Volume Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
2 Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
3 Street System Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
4 Traffic Accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
5 Transit System Data	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
6 Dwelling Unit, Pop. & Emp. Change	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
7 Air Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
8 Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
9 Travel Time Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
10 Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
11 Central Area Parking Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
12 Bike & Ped. Facilities Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
13 Bike & Ped. Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
II B Long Range Transp. Plan																	
1 Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
2 Collection of Network Data	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
3 Travel Model Updates	0	0	0	0	12,500	12,500	100,000	12,500	12,500	100,000	12,500	12,500	100,000	12,500	12,500	100,000	125,000
4 Travel Surveys	0	0	0	0	1,250	1,250	10,000	1,250	1,250	10,000	1,250	1,250	10,000	1,250	1,250	10,000	12,500
5 Forecast of Data to Horizon year	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
6 Community Goals & Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
7 Forecast of Future Travel Patterns	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
8 Capacity Deficiency Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
9 Highway Element of th LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
10 Transit Element of the LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
11 Bicycle & Ped. Element of the LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
12 Airport/Air Travel Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
13 Collector Street Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
14 Rail, Water or other mode of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
15 Freight Movement/Mobility Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
16 Financial Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
17 Congestion Management Strategies	31,250	125,000	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
18 Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
II C Short Range Transit Planning																	
1 Short Range Transit Planning	0	0	0	0	121,250	121,250	970,000	121,250	121,250	970,000	121,250	121,250	970,000	121,250	121,250	970,000	1,212,500
III-A Planning Work Program																	
1 Title VI	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
III-B Transp. Improvement Plan																	
1 Title VI	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
III-C Cvl Rgis. Cmp./Otr .Reg. Reqs.																	
1 Title VI	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
2 Environmental Justice	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
3 Minority Business Enterprise	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
4 Planning for the Elderly & Disabled	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
5 Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
6 Public Involvement	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
7 Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0	0	-	-	-	-

Triangle Transit Authority (TTA)		Durham-Chapel Hill-Carrboro Urban Area												TTA			
		FY 2006-2007 Unified Planning Work Program												4/20/2006 10:53			
		Proposed Funding Source Tables															
Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 10%	NCDOT 10%	FTA 80%	Local 25%	NCDOT 25%	FTA 50%	Local	NCDOT	Federal	Total
III-D																	
1			0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
2			0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
3			0	0	0	0	0	12,500	12,500	100,000	12,500	12,500	100,000	12,500	12,500	100,000	125,000
4			0	0	0	0	0	5,625	5,625	45,000	5,625	5,625	45,000	5,625	5,625	45,000	56,250
III-E																	
1			0	0	0	0	0	0	0	0	0	0	0	-	-	-	-
Totals			\$31,250	\$125,000	\$0	\$0	\$0	\$0	\$153,125	\$1,225,000	\$0	\$0	\$0	\$153,125	\$184,375	\$1,350,000	\$1,687,500

Task II-B-17: Congestion Management Strategies / Regional Transportation Demand Management Program

The MPO is contracting with the Triangle Transit Authority to support travel demand management activities with a benefit to our planning area. This year the activities in Durham and Orange counties will continue to be conducted through a regional approach to travel demand management.

Objectives:

1. Assist Durham County employers to comply with Durham Commute Trip Reduction Ordinance. Achieve 90% compliance among Durham employers subject to ordinance; increase number of employees participating in TDM survey by 5%.
2. Provide incentives for employees in Wake, Durham and Orange counties to try commute alternatives through the SmartCommute Challenge. Increase the number of people who take the Challenge by 10% to 13,700. Increase the percentage of pledgers who stick with their new commute at least occasionally by 5% to 10% of total pledgers = 68,500 fewer SOV trips.
3. Work closely with NCSU and UNC to promote alternative transportation to college and university students. Raise awareness of public transportation, ridesharing, and cycling to students at UNC, NCSU, Duke, NCCU, Shaw, Meredith and two additional universities. Prompt 100 students to register for ridematching. Prompt 650 new off-campus students to use public transportation = 65,000 fewer SOV trips.
4. Encourage employers to offer commuter benefits to their employees and to attain at least 14% alternative mode usage. Build relationships with 10 new organizations with an eye toward becoming BWCs. Deliver personal service and training to employee transportation coordinators and TCAs to raise awareness of commute alternatives. Increase alternative mode use at 10 new employers by 5%. Increase alternative mode usage by 5 percentage points at the 6 BWCs outside of RTP that did not reach 14% alternative mode use last year. Raise awareness and incentives for commute alternatives to a target of at least 10,000 employees at these organizations. If we increase the alternative mode commute use for these employers by 5 percentage points, then there will be 200,000 fewer SOV trips.
5. Provide information about public transportation and ridesharing services to new hires at area employers. Increase number of new hire brochures distributed by 10% to 2,200. Prompt 200 new hires to use commute alternatives at least once per week. 20,000 fewer SOV trips.
6. Work closely with CAMPO and DCHC Bike/Ped. Groups, NCSU, and UNC to raise awareness of bike/ped commuting options. Prompt 100 previously SOV drivers to use a bike/ped commute at least twice per week. Distribute bike lights to 100 cyclists. 20,000 fewer SOV trips.
7. Increase community awareness of commute alternatives. Communicate directly with 500 Triangle residents at community events.

Previous Work:

During the first half of FY2006, the MPO's investment in the regional travel demand management program resulted in the following outcomes.

1. SmartCommute Challenge, which ran from August 15th through September 30th. During the Challenge, 12,071 people pledged to try a commuting option, of which 64% reported that they had previously always driven alone to work. (43.7% of pledges were associated with RTP employers, 11.7% of pledges were from other Durham employers outside of RTP, and 8% were from Orange County employers.) During the Challenge, 3,127 Triangle residents attempted carpool matches, and 9 new vanpools were started. In the follow-up survey, one month after the Challenge, 40% of respondents indicated that they were still using an alternative mode.
2. The "Redefine the Way You Travel" campaign aimed at increasing transit use, biking, and carpooling among university students at UNC, NCCU, NCSU, and Shaw was launched in August with advertisements, PR, and on-site activities.. Staff conducted two successful Bus Tours at UNC and NC State; organized a Hip Hop Show at Shaw; and partnered with NCSU parking to imprint our website on all traffic tickets. Since the program launch, NCSU U-PASS ridership (students and employees combined) grew 238%, or 230 trips per day, over last year for the 4-month period between September and December. At UNC, regional pass usage increased from 371 trips by students in March 2005 to 1,937 trips by students in November 2005, an increase of over 400%.
3. Since July, 313 employees have registered for the regional Emergency Ride Home program, 25 for whom driving alone had been their primary mode. We have continued to promote the Emergency Ride Home program through TTA's website.
4. Nearly two-thirds of large- and medium-sized employers in Durham County have surveyed their employees in compliance with the Durham CTR ordinance. The second wave of surveys will begin in February. All will begin completing their annual reports following the receipt of survey results.

Proposed Activities:

Key activities will include the 2006 SmartCommute Challenge campaign, continuation of the "Redefine the way you travel" campaign targeted at university students, continuation of the regional Emergency Ride Home program, providing targeted information and incentives to newly hired employees, administering the Durham CTR ordinance, and supporting employers in efforts to increase their percentage of employees biking, carpooling, vanpooling, telecommuting, or riding the bus to work.

Products:

Quarterly progress reports. There are a variety of marketing products that will be developed in the course of meeting these objectives, but they are for consumption by the target audience, and not the MPO.

Relationship to Other Plans and MPO Activities:

None

Completion Date:

SmartCommute Challenge will be conducted during August and September. All other activities will occur throughout the year.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will largely be undertaken with through three staff at the Triangle Transit Authority. Two interns will also be hired to assist with the Redefine Travel campaign. Contractors will be hired for specialized tasks.

Staff effort – Three full-time staff and two interns (full-time during summer, 10 hours per week during academic year)

Funding Commitments from Other Entities:

CAMPO will provide \$75,000 in federal and local funds. Durham CTR fees will generate \$13,800. We anticipate private sponsorship to generate \$10,000. NCDOT will match all funds 50/50.

TTA Transit (FTA) Task Narratives

Task II-B-3 Travel Model Updates

The Triangle Transit Authority contracts with the Institute for Transportation Research and Education (ITRE) for its contribution to the development and maintenance of the Triangle Regional Model Service Bureau. The Service Bureau is the entity that provides technical assistance to the development of the regional transportation model.

Objectives:

The primary objective for FY 07 is to update the Triangle Regional Model and convert it to the new platform (TransCad).

Previous Work:

TTA has contributed to supporting the Triangle Regional Model for several years.

Proposed Activities:

Proposed activities will be defined by the Triangle Regional Model Service Bureau.

Products:

Products will include data inputs for the regional model, as defined and required by the Service Bureau. The Service Bureau of funding partners oversees the studies and makes final approvals of deliverables.

Relationship to Other Plans and MPO Activities:

The Triangle Regional Model is the technical tool used in formulation of the Long Range Transportation Plan and the modeling requirements of the transit New Starts fixed guideway development.

Completion Date:

The model activities are ongoing and multi-year.

Proposed Budget and Level of Effort (Staff or Consulting):

TTA's contribution is \$112,500, of which 50.5% is allocated for DCHC MPO area. TTA's Senior Transportation Planner for Modeling provides direct staff support to the service bureau.

Funding Commitments from Other Entities:

DCHC, CAMPO and NCDOT are funding partners with TTA, and provide policy guidance to the technical staff, and oversee the work products of the Service Bureau.

Task II-B-4 Travel Surveys

The Triangle Transit Authority plans to conduct and/or contribute to four surveys for the purpose of collecting data for the Triangle Regional Model and transit planning.

Objectives:

To complete four surveys as planned for data collection in support of the Triangle

Regional Model and TTA marketing efforts.

Previous Work:

The On-Board Transit Survey is a continuation of the data collection efforts begun in FY 2006 for updating the Triangle Regional Model.

Proposed Activities:

TTA will conduct the following two surveys for the purposes of collecting data for short term transit service planning and marketing:

1. A community wide telephone survey
2. A customer satisfaction survey of TTA customers.

TTA will also contribute towards funding the following two surveys being conducted as part of the data collection tasks for updating the Triangle Regional Model:

1. External cordon survey
2. On-board transit survey

Products:

Products include survey instruments, and summary reports, data tables and analysis, as needed and according to the work scope for each survey.

Relationship to Other Plans and MPO Activities:

The external cordon survey and on-board transit surveys will be conducted to update the regional model to be used in future regional planning studies, including the LRTP process.

Completion Date:

All surveys will be completed by June 30, 2007.

Proposed Budget and Level of Effort (Staff or Consulting):

Project management for the telephone survey will be completed by the TTA marketing coordinating. Project management for the customer satisfaction survey will be conducted by the TTA transit service planner. The staff effort for the telephone survey and customer satisfaction surveys is planned to include 5% of the time of these two positions.

The external cordon survey and the on-board transit survey will be conducted by the Triangle Regional Model Service Bureau.

Funding Commitments from Other Entities:

The total TTA budgeted amount for this task is \$105,000. The DCHC portion is 50.5% (or \$53,025) and the CAMPO portion is 49.5% (or \$51,975).

Task II-B-10 Transit Element of the LRTP

The Triangle Transit Authority will contribute \$50,000 to TJCOG for mapping and other GIS services.

Objectives:

The objective is for TTA to create a partnership with TJCOG to utilize TJCOG GIS facilities and expertise to provide advanced GIS and mapping services that support TTA planning efforts.

Previous Work:

TTA has previously contracted with TJCOG for GIS mapping services.

Proposed Activities:

1. GIS mapping and analysis of land use in the preparation of the Regional Transit Infrastructure plan.
2. TJCOG will complete other GIS mapping and analysis tasks and services as requested by TTA
3. TJCOG will provide GIS based information to be used in formulation of the transit portion of the LRTP.

Products:

Products are made on an as needed basis, but typically include color coded printouts of maps, of various sizes that depict defined geographic information for use in presentations, research, and documents.

Relationship to Other Plans and MPO Activities:

The DCHC portion of the regional transit plan will be included in the completed regional plan, which will then be utilized in the transit portion of the Long Range Transportation Plan.

Completion Date:

GIS mapping and analysis is a multi-year, ongoing task.

Proposed Budget and Level of Effort (Staff or Consulting):**Funding Commitments from Other Entities:**

The total amount budgeted for this task by TTA is \$50,000, of which 50.5% (\$25,250) is for the DCHC MPO portion, and 49.5% (\$24,750) is for the CAMPO portion.

Task II-C-1 Short Range Transit Planning

TTA provides short range transit planning activities for regional and sub-regional areas of the Triangle region.

Objectives:

To provide staff resources for short range transit planning and capital planning activities for the region and for the Triangle Transit Authority.

Previous Work:

This is an on-going, multi-year task.

Proposed Activities:

1. Provide planning and engineering staff support for the implementation of transit capital projects.
2. Provide planning staff support for service planning, scheduling, and analysis of TTA programs provided through the Department of Commuter Resources and Department of Bus Operations.
3. Provide planning and engineering staff support for the preparation of the Regional Transit Infrastructure Plan.

Products:

1. Service change recommendations to TTA Board.
2. Monthly ridership reports, monthly on-time performance reports, and the monthly fare media usage reports.
3. Progress on development of a Regional Transit Infrastructure plan.
4. Ongoing staff support for the implementation of regional rail transit and the New Starts program.

Relationship to Other Plans and MPO Activities:

The monthly reports are provided to the MPO for tracking purposes. The New Starts program is in support of the regional LRTP, and the Regional Transit Infrastructure plan development is to be conducted at the request of the CAMPO and DCHC TACs.

Completion Date:

These are multi-year activities; but the transit-related FY '07 annual reports prepared by the Department of Commuter Resources at TTA will be completed by June 30, 2007.

Proposed Budget and Level of Effort (Staff or Consulting):

The budget is for portions of the salaries of several positions in the Department of Commuter Resources, Department of Bus Operations, and the Department of Planning and Engineering at the Triangle Transit Authority. Two positions are in the amount of \$90,000. One of the positions is for 90% of the salary for the Transit Service Planner in the Department of Commuter Resources. The other is 100% of the salary for the Scheduling Coordinator in the Department of Bus Operations. The balance is for several positions in the Department of Planning and Engineering, including two Senior Transportation Planners, one Land Use planner, a staff assistant, and for the support of engineering staff as required for the Regional Infrastructure Plan and other short range capital transit planning.

Funding Commitments from Other Entities:

The total amount of this task is \$857,000, of which 50.5% (\$433,037) is the DCHC portion and 49.5% (\$424,463) is the CAMPO portion.

**Durham-Chapel Hill-Carrboro Urban Area
FY 2006-2007 Unified Planning Work Program
Consulting Services Breakdown**

TTA

	Task Description	STP-DA 133(b)(3)(7)						Section 104(f) - PL									
		Staff		Consulting		Total STP-DA		Staff		Consulting		Total PL					
		Local	FHWA	Local	FHWA	Local	FHWA	Local	FHWA	Local	FHWA	Local	FHWA				
		20%	80%	20%	80%	20%	80%	20%	80%	20%	80%	20%	80%				
II A	Surveillance of Change																
1	Traffic Volume Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Street System Changes	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Traffic Accidents	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Transit System Data	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Dwelling Unit, Pop. & Emp. Change	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Air Travel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Travel Time Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Mapping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Central Area Parking Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Bike & Ped. Facilities Inventory	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Bike & Ped. Counts	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II B	Long Range Transp. Plan																
1	Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Collection of Network Data	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Travel Model Updates	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Travel Surveys	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Forecast of Data to Horizon year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Community Goals & Objectives	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Forecast of Future Travel Patterns	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Capacity Deficiency Analysis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Highway Element of th LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Transit Element of the LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Bicycle & Ped. Element of the LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Airport/Air Travel Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	Collector Street Element of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Rail, Water or other mode of LRTP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Freight Movement/Mobility Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Financial Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Congestion Management Strategies	31,250	125,000	0	0	31,250	125,000	0	0	0	0	0	0	0	0	0	0
18	Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
II C	Short Range Transit Planning																
1	Short Range Transit Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-A	Planning Work Program																
	Planning Work Program	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**FY 2007
UNIFIED PLANNING WORK PROGRAM (UPWP)**

Table 5. ANTICIPATED DBE CONTRACTING OPPORTUNITIES FOR FY06-07

Section 5307

Name of MPO: Durham Chapel Hill Carborro

Person Completing Form: Barbara Weigel

Telephone No: 919-485-7509

Prospectus Task Code	Prospectus Description	Name of Agency Contracting Out	Type of Contracting Opportunity (Consultant, Printing, etc.)	Federal Funds to be Contracted Out	Total Funds to be Contracted Out
Task II B 4	Travel Surveys	TTA	Consultant	\$42,421	\$53,025

Triangle J Council of Governments (TJCOG)
Task Funding Table
Task Description and Narrative
Consulting Services Breakdown

Durham-Chapel Hill-Carrboro Urban Area
 FY 2006-2007 Unified Planning Work Program
 Proposed Funding Source Tables

Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary				
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDDOT 10%	FTA 80%	Local 10%	NCDDOT 10%	FTA 80%	Local 25%	NCDDOT 25%	FTA 50%	Local	NCDDOT	Federal	Total	
II A																		
II A																		
1 Surveillance of Change																		
2 Traffic Volume Counts																		
3 Vehicle Miles of Travel																		
4 Street System Changes																		
5 Traffic Accidents																		
6 Transit System Data																		
7 Dwelling Unit, Pop. & Emp. Change																		
8 Air Travel																		
9 Vehicle Occupancy Rates																		
10 Travel Time Studies																		
11 Mapping																		
12 Central Area Parking Inventory																		
13 Bike & Ped. Facilities Inventory																		
14 Bike & Ped. Counts																		
II B																		
II B																		
1 Long Range Transp. Plan																		
2 Collection of Base Year Data																		
3 Collection of Network Data																		
4 Travel Model Updates																		
5 Travel Surveys																		
6 Forecast of Data to Horizon year																		
7 Community Goals & Objectives																		
8 Forecast of Future Travel Patterns																		
9 Capacity Deficiency Analysis																		
10 Highway Element of th L RTP																		
11 Transit Element of the L RTP																		
12 Bicycle & Ped. Element of the L RTP																		
13 Airport/Air Travel Element of L RTP																		
14 Collector Street Element of L RTP																		
15 Rail, Water or other mode of L RTP																		
16 Freight Movement/Mobility Planning																		
17 Financial Planning																		
18 Congestion Management Strategies																		
19 Air Qual. Planning/Conformity Anal.																		
II C																		
II C																		
1 Short Range Transit Planning																		
2 Short Range Transit Planning																		
III-A																		
III-A																		
1 Planning Work Program																		
III-B																		
III-B																		
1 Transp. Improvement Plan																		
III-C																		
III-C																		
1 Cvl Rgts. Cmp./Otr .Reg. Reqs.																		
2 Title VI																		
3 Environmental Justice																		
4 Minority Business Enterprise																		

Triangle J COG		Durham-Chapel Hill-Carrboro Urban Area												TJCOG			
		FY 2006-2007 Unified Planning Work Program												4/20/2006 10:53			
		Proposed Funding Source Tables															
Task Description	STP-DA 133(b)(3)(7)		Sec. 104(f) PL		Section 5303 Highway/Transit			Section 5307 Transit			Section 5309 Transit			Task Funding Summary			
	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 10%	NCDDOT 10%	FTA 80%	Local 10%	NCDDOT 10%	FTA 80%	Local 25%	NCDDOT 25%	FTA 50%	Local	NCDDOT	Federal	Total
4 Planning for the Elderly & Disabled																	
5 Safety/Drug Control Planning																	
6 Public Involvement																	
7 Private Sector Participation																	
III-D																	
1 Transportation Enhancement Prog.																	
2 Enviro. Analysis & Pre-TIP Prog.																	
3 Special Studies	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 Regional or Statewide Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-E																	
Management & Operations																	
1 Management & Operations	0	0															
Totals	\$0	\$0	\$12,733	\$50,930	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,733	\$0	\$50,930	\$63,663

Task II-B-5: Forecast of Data to Horizon Year

TJCOG will work with DCHC MPO, CAMPO and RPOs in the Triangle Ozone Non-Attainment area on future year forecasts to be used in regional transportation modeling.

Objectives:

1. To prepare consistent, documented future year forecasts methods and data.
2. To provide information and support on data sources and guidance totals related to regional population, dwelling unit and employment totals.

Previous Work:

1. Preliminary planning and meetings with planners have occurred during the current fiscal year on methods to be used

Proposed Activities:

1. Work with planners on a methodology, timeline and responsibilities for developing forecasts.
2. Collect and disseminate information on data sources, assumptions and guidance totals for population, dwelling unit and employment forecasting.
3. Develop GIS layers and attributes related to the forecasting effort.
4. Prepare memos and reports documenting activities.
5. Work with individual MPO members as needed on forecasting tasks.

Products:

1. Memos and reports related to preparation of future year forecasts.
2. GIS layers and related attributes associated with forecasts.
3. Clear documentation of all methods, assumptions and data.

Relationship to Other Plans and MPO Activities:

Future year forecasts will be important components of air quality conformity analyses.

Completion Date:

This phase of work will be completed during the FY06-07 fiscal year.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will be undertaken by existing TJCOG staff.

Funding Commitments from Other Entities:

This is a cooperative project with CAMPO, which is also providing funding. TARPO funding for TJCOG staff time is also allocated to this task.

Task II-B-18: Air Quality Planning/Conformity Analysis

TJCOG will work with DCHC MPO, CAMPO and RPOs in the Triangle Ozone Non-Attainment area on air quality issues related to the 2007-13 TIP, SIP motor vehicle emission budgets, and conformity issues affecting the next round of LRTPs.

Objectives:

1. To prepare a unified conformity report for the 2007-13 TIP.
2. To provide information and support on conformity issues and SIP motor vehicle emission budgets.

Previous Work:

1. Unified conformity reports for the entire Non-attainment area covering all or portions of 3 MPOs and 3 RPOs were prepared for the 2030 LRTPs and the 2006-12 TIP.
2. Information was provided to all partners on the development of SIP motor vehicle emission budgets.
3. The triangleair.org website was created as a vehicle to share information.

Proposed Activities:

1. Work with partners on developing unified conformity report for 2007-13 TIPs.
2. Collect and disseminate information on conformity issues and ensure that conformity concerns are represented in transportation planning and modeling efforts.
3. Prepare memos and reports documenting activities.
4. Work with individual MPO members as needed on air quality issues.

Products:

1. Memos and reports related to conformity and motor vehicle emission budget issues.
2. A unified report for 2007-13 TIP.
3. Clear documentation of all methods, assumptions and data.

Relationship to Other Plans and MPO Activities:

Air quality conformity is a requirement for TIPs and LRTPs

Completion Date:

This phase of work will be completed during the FY06-07 fiscal year.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will be undertaken by existing TJCOG staff.

Funding Commitments from Other Entities:

This is a cooperative project with CAMPO, which is also providing funding. TARPO funding for TJCOG staff time is also allocated to this task.

Task II-B-10: Transit Element of the LRTP

TJCOG will work with DCHC MPO, CAMPO, TTA, NCDOT and other partners to develop a Regional Transit Blueprint for the Triangle that describes future transit corridors and any major planned or potential transit infrastructure investments in the corridors.

Objectives:

The objectives are to provide decision-makers and the public with information to understand transit corridors and investments and set realistic priorities among them:

1. show the location of transit corridors and type of major planned and proposed transit investments, including assumed alignment, technology, stations and service characteristics for analysis purposes
2. clearly articulate the mobility and community development purposes that transit investments in each corridor could serve (purpose and need of transit investments in each corridor)
3. track the status of transit investments in the planning and funding process
4. show how current and projected land use relates to transit infrastructure investments in corridors
5. provide clear, transparent, consistent information related to the cost of investments, the components of these costs, and the assumptions used in developing the costs
6. analyze travel results in the transit corridors (trip types, origins and destinations, characteristics, etc.; facilities can be modeled if specific investment scenarios are developed)
7. document how travel results and infrastructure costs relate to eligibility for specific funding sources, particularly federal “new starts” or “small starts” funding, and what can be paid for with current revenue streams vs. what would require new or increased revenues.

Previous Work:

1. This project will build on past LRTPs, transit elements of CTPs, project-specific studies, and individual community plans.

Proposed Activities:

1. Project Coordination and Documentation (TJCOG coordinate)
 - Establish technical team and advisory team – technical team consists of people who will be responsible for specific tasks or inputs; advisory team includes staff from participating agencies and their member communities
 - Arrange meetings of teams
 - Establish geographic extent of the project (e.g. area currently covered by 2 MPOs plus authorized TTA service area)
 - Document all activities and decisions
 - Prepare any interim and final reports
 - Coordinate with GIS/web staff/printers
 - Meet with/give updates to partner and community boards and committees

2. Corridor and Infrastructure Descriptions (TJCOG coordinate)

- Work with advisory team to define major transit corridors and infrastructure projects based on technological and service characteristics and phase based on different status of timing, funding, or planning stage.
- Identify projects meeting the characteristics and define project phases
- Create and continually update master spreadsheet of major transit infrastructure, including (where known):
 - a. Location/alignment
 - b. Technology/type of service (e.g. commuter rail, regional rail, LRT, BRT, Enhanced Bus)
 - c. Planning Status (e.g. CTP, LRTP, TIP, Corridor Study, Sketch Plan, Concept)
 - d. Cost (see #5 below)
- Map all corridors and major transit infrastructure at large format size and 11x17 size over most recent aerial photography, showing:
 - a. Corridor width
 - b. ROW (where known or assumed)
 - c. Station locations (where known or assumed)
 - d. Structures (where known or assumed)
- Summarize all transit services that don't meet the criteria for major transit infrastructure, including local bus, express bus, feeder services, ADA services, community rural and human service agency transportation
- Establish criteria for a "bus baseline" scenario to apply to corridors, if appropriate

3. Corridor Land Use Descriptions (TJCOG coordinate)

- Develop brief overview document summarizing growth and development and travel characteristics in the region today and into the future, and how they relate to corridors
- Work with advisory team to define corridors of interest based on distance from infrastructure or other criteria
- Map parcel level land use based on the land use codes to be used in the SE data forecasts
- Based on local plans and TTA's station development guidelines and corridor market study, highlight areas already planned for transit-supportive development and additional areas that could be transit supportive based on clear criteria
- Create and apply development "templates" based on familiar developments within the region and potential future types of development from similar regions

4. Travel Analysis (TTA coordinate)

- Develop brief overview document summarizing the nature of travel and how analysis techniques handle travel
- Apply a "bus baseline" methodology for each corridor based on factors similar to what is used in new starts planning

- Use the Triangle Regional Model to analyze travel in the corridors (either generation/distribution only, or full model runs for scenarios)
5. Cost Analysis (TTA coordinate)
 - Develop unit costs for all the components for all types of infrastructure investments based on local and national experience, including line segments, structures, vehicles, station/stop facilities, etc. Use FTA-endorsed methods (e.g. Booz-Allen-Hamilton cost model)
 - Develop and apply a methodology for ROW acquisition cost estimates based on available information in each infrastructure investment corridor
 - Clearly document the reference sources, assumptions, and methodologies used in developing cost estimates, including the step-by-step application of methodologies for each infrastructure project and phase.
 - Develop and document a methodology for stating costs in both constant dollar and inflated (year-of-expenditure) dollar terms
 - Develop and document a methodology for comparing pay-as-you go financing with bond/borrowing financing
 6. Corridor GIS mapping/Website (TJCOG coordinate)
 - Undertake GIS mapping for tasks described previously
 - create project web site and post all information
 - explore options for creating a scenario builder on web site
 7. Final Report and Maps Printing (TJCOG coordinate)
 - Format final report and maps, get quotes from printers, supply printed copies to funding partners and advisory team members, create pdfs of all documents and maps and post to website.

Products:

1. Reports and maps related to each of the major work tasks.
2. A transit infrastructure investment cost estimation tool.
3. GIS layers and related attributes associated with the project.
4. A project web page.
5. Clear documentation of all methods, assumptions and data.

Relationship to Other Plans and MPO Activities:

Many of the activities can provide valuable information for (and could constitute initial steps of) the next round of Long Range Transportation Plan (LRTPs), lowering the eventual cost and/or improving the quality of the work undertaken in preparing the LRTPs:

- the corridor and infrastructure descriptions will provide a universe of potential transit projects for consideration in the LRTP
- the corridor land use descriptions will provide valuable information on land use and socioeconomic conditions and trends in the transit corridors

- the travel analysis will provide an early overview of travel patterns for consideration in developing LRTP alternatives
- the cost analysis (level of detail still to be scoped) will provide consistent and transparent information for LRTP fiscal constraint considerations

Completion Date:

This phase of work is expected to be completed during the FY06-07 fiscal year.

Proposed Budget and Level of Effort (Staff or Consulting):

Tasks will be undertaken by existing TJCOG and TTA staff; limited intern or contract support within the existing budget may be engaged for specialized expertise.

Funding Commitments from Other Entities:

This is a cooperative project with CAMPO, NCDOT and TTA, all of which are also providing funding and staff support.

**Durham-Chapel Hill-Carrboro Urban Area
FY 2006-2007 Unified Planning Work Program
Consulting Services Breakdown**

TJCOG

	Task Description	Section 104(f) - PL											
		STP-DA 133(b)(3)(7)						Section 104(f) - PL					
		Staff		Consulting		Total STP-DA		Staff		Consulting		Total PL	
Local	80%	Local	80%	Local	80%	Local	80%	Local	80%	Local	80%		
II A	Surveillance of Change												
1	Traffic Volume Counts	0	0	0	0	0	0	0	0	0	0	0	0
2	Vehicle Miles of Travel	0	0	0	0	0	0	0	0	0	0	0	0
3	Street System Changes	0	0	0	0	0	0	0	0	0	0	0	0
4	Traffic Accidents	0	0	0	0	0	0	0	0	0	0	0	0
5	Transit System Data	0	0	0	0	0	0	0	0	0	0	0	0
6	Dwelling Unit, Pop. & Emp. Change	0	0	0	0	0	0	0	0	0	0	0	0
7	Air Travel	0	0	0	0	0	0	0	0	0	0	0	0
8	Vehicle Occupancy Rates	0	0	0	0	0	0	0	0	0	0	0	0
9	Travel Time Studies	0	0	0	0	0	0	0	0	0	0	0	0
10	Mapping	0	0	0	0	0	0	0	0	0	0	0	0
11	Central Area Parking Inventory	0	0	0	0	0	0	0	0	0	0	0	0
12	Bike & Ped. Facilities Inventory	0	0	0	0	0	0	0	0	0	0	0	0
13	Bike & Ped. Counts	0	0	0	0	0	0	0	0	0	0	0	0
II B	Long Range Transp. Plan												
1	Collection of Base Year Data	0	0	0	0	0	0	0	0	0	0	0	0
2	Collection of Network Data	0	0	0	0	0	0	0	0	0	0	0	0
3	Travel Model Updates	0	0	0	0	0	0	0	0	0	0	0	0
4	Travel Surveys	0	0	0	0	0	0	0	0	0	0	0	0
5	Forecast of Data to Horizon year	0	0	0	0	0	0	2,881	11,522	0	0	2,881	11,522
6	Community Goals & Objectives	0	0	0	0	0	0	0	0	0	0	0	0
7	Forecast of Future Travel Patterns	0	0	0	0	0	0	0	0	0	0	0	0
8	Capacity Deficiency Analysis	0	0	0	0	0	0	0	0	0	0	0	0
9	Highway Element of th L RTP	0	0	0	0	0	0	0	0	0	0	0	0
10	Transit Element of the L RTP	0	0	0	0	0	0	9,250	37,000	0	0	9,250	37,000
11	Bicycle & Ped. Element of the L RTP	0	0	0	0	0	0	0	0	0	0	0	0
12	Airport/Air Travel Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0
13	Collector Street Element of L RTP	0	0	0	0	0	0	0	0	0	0	0	0
14	Rail, Water or other mode of L RTP	0	0	0	0	0	0	0	0	0	0	0	0
15	Freight Movement/Mobility Planning	0	0	0	0	0	0	0	0	0	0	0	0
16	Financial Planning	0	0	0	0	0	0	0	0	0	0	0	0
17	Congestion Management Strategies	0	0	0	0	0	0	0	0	0	0	0	0
18	Air Qual. Planning/Conformity Anal.	0	0	0	0	0	0	602	2,408	0	0	602	2,408
II C	Short Range Transit Planning												
1	Short Range Transit Planning	0	0	0	0	0	0	0	0	0	0	0	0
III-A	Planning Work Program												
	Planning Work Program	0	0	0	0	0	0	0	0	0	0	0	0

**Durham-Chapel Hill-Carrboro Urban Area
FY 2006-2007 Unified Planning Work Program
Consulting Services Breakdown**

TJCOG

	Task Description	STP-DA 133(b)(3)(7)						Section 104(f) - PL							
		Staff		Consulting		Total STP-DA		Staff		Consulting		Total PL			
		Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%	Local 20%	FHWA 80%		
III-B	Transp. Improvement Plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-C	Civil Rgts. Cmp./Otr .Reg. Reqs.														
1	3 Title VI	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Environmental Justice	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Minority Business Enterprise	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Planning for the Elderly & Disabled	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Safety/Drug Control Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Involvement	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Private Sector Participation	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-D	Incidental Plng./Project Dev.														
1	Transportation Enhancement Plng.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Enviro. Analysis & Pre-TIP Plng.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Special Studies	10,000	40,000	0	0	10,000	40,000	0	0	0	0	0	0	0	0
4	Regional or Statewide Planning	0	0	0	0	0	0	0	0	0	0	0	0	0	0
III-E	Management & Operations														
1	Management & Operations	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Totals		\$10,000	\$40,000	\$0	\$0	\$10,000	\$40,000	\$12,733	\$50,930	\$0	\$0	\$12,733	\$50,930	\$0	\$50,930