

*Wilmington Urban Area Transportation Planning Work
Program*

Fiscal Year 2008-2009



Adopted

**FY 2008-2009 UNIFIED PLANNING WORK PROGRAM
FOR THE
WILMINGTON, NORTH CAROLINA URBAN AREA**

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Introduction

In compliance with Federal law and in the spirit of cooperation, the Wilmington Urban Area conducts a "cooperative, comprehensive, and continuing..." transportation planning process. This Planning Work Program (PWP) outlines the tasks and associated funding sources dedicated to the Wilmington Urban Area MPO transportation planning process during fiscal year 2008-2009. Depending on the specific funding source, tasks funded through the PWP are eligible for reimbursement of 80-90% of their cost from the Federal Highway Administration and Federal Transit Administration through the North Carolina Department of Transportation.

The PWP for the Wilmington Urban Area identifies three separate funding sources for Urban Area transportation planning. A brief description of these funding sources follows:

- Statewide Planning and Research Programs (SPR)-These funds are used by NCDOT to conduct work for the Wilmington Urban Area MPO.

- Federal Highway Administration Section 104(f) Funds-These funds are dedicated to the urban area to perform transportation planning. They require a 20% local match.

- Federal Transit Administration Section 5303 Funds-These funds are used for transit planning in the urban area. The Federal Transit Administration provides 80% of these funds, NCDOT 10%, and there is a required 10% local match.

The local match requirements will be shared by all members of the Wilmington Urban Area MPO in direct proportion to population as defined in the Wilmington Urban Area MPO Memorandum of Understanding.

Narrative of PWP Section 104(f) Work Tasks to be Performed in FY 2008-2009

(Primary work to be performed by lead planning agency staff except where noted.)

Line Item Code

II-A1 Traffic Volume Counts- Wilmington MPO staff maintains an ongoing traffic counting program. An annual summary of the urban area traffic count data will be prepared.

II-A2 Vehicle Miles of Travel- Establish VMT as measure of effectiveness of transportation system. Measure the VMT with the new travel demand model.

II-A3 Street System Changes- Update of street system database as needed.

II-A4 Traffic Accidents-Currently MPO staff conducts an ongoing effort to summarize traffic accident data for specific projects, completion of the annual crash report, and for the public. MPO staff also utilizes accident data for specific inquiries.

II-A5 Transit System Data- Update of transit system database as needed.

II-A6 Dwelling Unit, Population, Employment Changes- Will measure land use changes by Transportation Analysis Zone between April 2000 Census and travel demand model base year. Staff will provide capacity analysis for proposed developments within the Wilmington planning area boundary.

II-A7 Air Travel- Assistance to Wilmington International Airport as needed.

II-A8 Vehicle Occupancy Rate Counts-Monitor VOC as needed.

II-A9 Travel Time Studies- Conduct key travel time studies for travel demand model calibration.

II-A10 Mapping- Keep Geographic Information System files current and produce maps to support transportation plans, programs, and projects.

II-A11 Central Area Parking Inventory- No tasks foreseen.

II-A12 Bicycle and Pedestrian Facilities Inventory- Update ride suitability assessment of federal-aid functionally classed roadways.

II-B-1 Collection of Base Year Data- No tasks foreseen.

II-B-2 Collection of Network Data- No tasks foreseen.

II-B3 Travel Model Updates- Update the regional transportation model on an as-needed basis.

II-B4 Travel Surveys- No tasks foreseen.

II-B5 Forecast of Data to Horizon Year- Monitor regionally significant land use changes and modify future year TAZ file accordingly.

II-B6 Community Goals and Objectives- Monitor public input as it pertains to goals and objectives set forth in the update of the Long Range Transportation Plan.

II-B7 Forecast of Future Year Travel Patterns- Test alternative roadway network improvements for system benefit.

II-B-8 Capacity Deficiency Analysis- Identify areas of deficient capacity through use of travel demand model for further analysis as potential long range transportation improvement projects.

II-B9 Highway Element of Long Range Transportation Plan (LRTP)- Identification of highway deficiencies, priorities, and proposed highway improvement solutions and strategies. Provide documentation of process and recommendations in update of the LRTP.

II-B10 Transit Element of Long Range Transportation Plan- Identify public transportation deficiencies, priorities, and proposed transit improvement solutions and strategies from the completed Transit Master Service Plan for inclusion in the update of the LRTP. Provide documentation of process and recommendations.

II-B11 Bicycle and Pedestrian Element of the Long Range Transportation Plan- Identify bicycle deficiencies, priorities, and proposed bicycle and pedestrian improvement solutions and strategies. Provide documentation of the process and recommendations in the update of the LRTP.

II-B12 Airport/Air Travel Element of the Long Range Transportation Plan - Identify airport and air service deficiencies, priorities, and proposed airport and air service improvement solutions and strategies. Provide documentation of process and recommendations in the update of the LRTP.

II-B13 Collector Street Element of Long Range Transportation Plan- Develop regionally acceptable collector street policies and program recommendations for inclusion in the update of the LRTP. Staff plans to continue to develop a collector street plan for southern New Hanover County and then begin the development of a collector street plan for the City of Wilmington.

II-B14 Rail, Waterway and Other Elements of Long Range Transportation Plan - Identify rail and waterway deficiencies, priorities, and proposed rail and waterway improvement solutions and strategies. Provide documentation of process and recommendations in the update of the LRTP.

II-B15 Freight Movement/Mobility Planning- Identification of freight movement deficiencies, priorities, and proposed improvement solutions and strategies. Provide documentation of process and recommendations in the update of the LRTP.

II-B16 Financial Planning- Develop realistic, best estimates of funding sources available and project cost estimates throughout the forecast years for the LRTP. Ensure fiscal constraint in the update of the LRTP.

II-B17 Congestion Management Strategies- Develop strategies to address and manage congestion by increasing transportation system supply, reducing demand by application of alternative mode solutions, and transportation system management strategies. Document process and solutions in the update of the LRTP.

II-B-18 Air Quality Planning/ Conformity Analysis- No tasks foreseen.

III-A Planning Work Program- Evaluation of FY 2009 PWP and development of FY 2010 Planning Work Program.

III-B Transportation Improvement Program-Review and amend the 2007-2013 and 2009-2015 Transportation Improvement Program on an as needed basis.

III-C1 Title VI Compliance-Work to insure compliance with the requirements of Title VI in urban area policies and practices.

III-C2 Environmental Justice- Analysis and outreach to insure that transportation plans and projects comply with Environmental Justice policies.

III-C3 MBE Planning- Activities to encourage participation of minority-owned business enterprises in contractual and supply opportunities.

III-C4 Planning for the Elderly and Disabled- Ensure the special needs of the elderly and disabled are addressed in all transportation planning projects.

II-C5 Safety/Drug Control Planning- Only FTA program funds used for this effort by the Cape Fear Public Transportation Authority. No tasks foreseen by the MPO.

III-C6 Public Involvement- Extensive Public Participation effort will be carried out to solicit input and reaction to update of the Long Range Transportation Plan, Dow Road widening, Scenic Byway corridor management plan, and development of the signature structure design for the Cape Fear Skyway.

III-C7 Private Sector Participation- Activities to encourage private sector participation in planning and project activities.

III-D1 Transportation Enhancement Planning- Prepare and submit applications for potential transportation enhancement funding in the Wilmington Urban Area.

II-D2 Environmental and Pre-TIP Planning- Conduct environmental analysis and planning for the development of transportation projects in the Wilmington Urban Area.

III-D3 Special Studies- The Wilmington MPO has begun to develop a planning level analysis for the Dow Road widening and extension. Funding is included in the Planning Work

Program to complete this project. Funding is programmed to complete a collector street plan for northern New Hanover County, assist in the development of a bicycle plan for the Town of Wrightsville Beach and on-call engineering to assist with the review of Transportation Impact Analysis (TIA).

III-D4 Statewide and Regional Planning- Coordination of urban area activities with statewide and regional initiatives.

III-E Management and Operations- Required ongoing administrative and operational tasks to support MPO committees and reporting requirements.

MPO	Wilmington
FTA Code	44.26.07
Task Code	III-E
Title	Management & Operations
Task Objective	Administration, operations, and maintenance planning
Tangible Product Expected	Transit system operations and maintenance management
Expected Completion Date of Products	June 2009
Previous Work	Ongoing management of the system
Relationship	This is a collaborative effort of the City of Wilmington and the Cape Fear Public Transportation Authority (Wave Transit)
Responsible Agency	CFPTA, in coordination with the City of Wilmington
SPR - Highway - NCDOT 20%	
SPR - Highway - F11WA 80%	
Section 104 (f) PL, Local 20%	
Section 104 (f) PL, FHWA 80%	
Section 5303 Local 10%	7,320
Section 5303 NCDOT 10%	7,320
Section 5303 FTA 80%	58,560
Section 5307 Transit - Local 10%	
Section 5307 Transit - NCDOT 10%	
Section 5307 Transit - FTA 80%	
Additional Funds - Local 100%	

TASK CODE	TASK DESCRIPTION	SPR		SEC. 104 (f) PL		SECTION 5303			SECTION 5307			ADDITIONAL FUNDS			TASK FUNDING SUMMARY			
		Highway		Local 20%	FHWA 80%	Local 10%	NCDOT 10%	FTA 80%	Transit			Local 100%	NCDOT		LOCAL	STATE	FEDERAL	TOTAL
		NCDOT 20%	FHWA 80%						Local 10%	NCDOT 10%	FTA 80%		TE 100%	DO 100%				
II-A	Surveillance of Change																	
II-A-1	Traffic Volume Counts			14,000	56,000										14,000	0	56,000	70,000
II-A-2	Vehicle Miles of Travel			50	200										50	0	200	250
II-A-3	Street System Changes			50	200										50	0	200	250
II-A-4	Traffic Accidents			600	2,400										600	0	2,400	3,000
II-A-5	Transit System Data			100	400										100	0	400	500
II-A-6	Dwelling Unit, Pop. & Emp. Change			1,000	4,000										1,000	0	4,000	5,000
II-A-7	Air Travel			50	200										50	0	200	250
II-A-8	Vehicle Occupancy Rates			50	200										50	0	200	250
II-A-9	Travel Time Studies			0	0										0	0	0	0
II-A-10	Mapping			1,600	6,400										1,600	0	6,400	8,000
II-A-11	Central Area Parking Inventory			0	0										0	0	0	0
II-A-12	Bike & Ped. Facilities Inventory			50	200										50	0	200	250
II-B	Long Range Transp. Plan														0	0	0	0
II-B-1	Collection of Base Year Data			0	0										0	0	0	0
II-B-2	Collection of Network Data			0	0										0	0	0	0
II-B-3	Travel Model Updates			200	800										200	0	800	1,000
II-B-4	Travel Surveys			0	0										0	0	0	0
II-B-5	Forecast of Data to Horizon year			50	200										50	0	200	250
II-B-6	Community Goals & Objectives			500	2,000										500	0	2,000	2,500
II-B-7	Forecast of Future Travel Patterns			1,000	4,000										1,000	0	4,000	5,000
II-B-8	Capacity Deficiency Analysis			1,000	4,000										1,000	0	4,000	5,000
II-B-9	Highway Element of th LRTP			1,200	4,800										1,200	0	4,800	6,000
II-B-10	Transit Element of the LRTP			800	3,200										800	0	3,200	4,000
II-B-11	Bicycle & Ped. Element of the LRTP			1,200	4,800										1,200	0	4,800	6,000
II-B-12	Airport/Air Travel Element of LRTP			200	800										200	0	800	1,000
II-B-13	Collector Street Element of LRTP			2,400	9,600										2,400	0	9,600	12,000
II-B-14	Rail, Water or other mode of LRTP			500	2,000										500	0	2,000	2,500
II-B-15	Freight Movement/Mobility Planning			500	2,000										500	0	2,000	2,500
II-B-16	Financial Planning			1,400	5,600										1,400	0	5,600	7,000
II-B-17	Congestion Management Strategies			500	2,000										500	0	2,000	2,500
II-B-18	Air Qual. Planning/Conformity Anal.			0	0										0	0	0	0
III-A	Planning Work Program			200	800										200	0	800	1,000
III-B	Transp. Improvement Plan			200	800										200	0	800	1,000
III-C	Cvl Rgts. Cmp./Otr .Reg. Req.														0	0	0	0
III-C-1	Title VI			100	400										100	0	400	500
III-C-2	Environmental Justice			200	800										200	0	800	1,000
III-C-3	Minority Business Enterprise			100	400										100	0	400	500
III-C-4	Planning for the Elderly & Disabled			50	200										50	0	200	250
III-C-5	Safety/Drug Control Planning			0	0										0	0	0	0
III-C-6	Public Involvement			1,200	4,800										1,200	0	4,800	6,000
III-C-7	Private Sector Participation			50	200										50	0	200	250
III-D	Incidental Png./Project Dev.														0	0	0	0
III-D-1	Transportation Enhancement Png.			1,400	5,600										1,400	0	5,600	7,000
III-D-2	Enviro. Analysis & Pre-TIP Png.			50	200										50	0	200	250
III-D-3	*Special Studies			44,000	176,000										44,000	0	176,000	220,000
III-D-4	Regional or Statewide Planning			50	200										50	0	200	250
III-E	Management & Operations			17,000	68,000	7,320	7,320	58,560							24,320	7,320	126,560	158,200
TOTALS		0	0	93,600	374,400	7,320	7,320	58,560							100,920	7,320	432,960	541,200