

**FY 2009  
Unified Planning Work Program**

**Mecklenburg-Union  
Metropolitan Planning Organization**

**Approved by the  
Mecklenburg-Union  
Metropolitan Planning Organization  
May 21, 2008**

# RESOLUTION

## APPROVING THE FY 2009 UNIFIED PLANNING WORK PROGRAM OF THE MECKLENBURG-UNION URBAN AREA

A motion was made by MPO Member Bob Smith and seconded by MPO Member Boston Ann Price 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 Mecklenburg-Union Urban Area; and


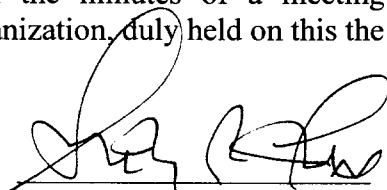
WHEREAS, the City of Charlotte has been designated as the recipient of Federal Transit Administration Metropolitan Planning Program funds; and

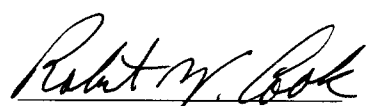
WHEREAS, members of the Mecklenburg-Union Metropolitan Planning Organization agree that the Unified Planning Work Program will effectively advance transportation planning for FY 2009.

NOW, THEREFORE BE IT RESOLVED that the Mecklenburg-Union Metropolitan Planning Organization hereby endorses the FY 2009 Unified Planning Work Program for the Mecklenburg-Union Urban Area.

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I, R. Lee Myers, Chairman of the Mecklenburg-Union Metropolitan Planning Organization, do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Mecklenburg-Union Metropolitan Planning Organization, duly held on this the 21st day of May, 2008.

  
  
R. Lee Myers, Chairman

  
Robert W. Cook, Secretary

Mecklenburg-Union MPO - FY 09  
Funding Sources Table and Task Narrative

1-	MPO Name	Mecklenburg-Union
2-	FTA Code	442200
3-	Task Code	II
4-	Title of Planning Task	Continuing Transportation Planning
5-	Task Objective	Perform GIS analysis and mapping in support of the LRTP update. Analyze traffic counts, street system changes, Uptown parking inventory, traffic accidents and review system data. Development of socio-economic projections in support of the LRTP update and to ensure the travel demand model is based upon current assumptions.
6-	Tangible Product Expected	LRTP update mapping; High Accident Location (HAL) list; updated Uptown parking inventory; updated socio-economic projections.
7-	Expected Completion Date of Product(s)	On-going projects
8-	Previous Work	Reviewed an average of 8-12 rezonings a month and made specific comments on integrating transportation and land use; HAL. Other work is continuing.
9-	Prior FTA Funds	\$0.00
10-	Relationship To Other Activities	
11-	Agency Responsible for Task Completion	CMPC, CDOT
12-	SPR - Highway - NCDOT 20%	\$1,600
13-	SPR - Highway - FHWA 80%	\$6,400
14-	Section 104 (f) PL Local 20%	\$85,400
15-	Section 104 (f) PL FHWA 80%	\$341,600
16-	Section 5303 Local 10%	\$0
17-	Section 5303 NCDOT 10%	\$0
18-	Section 5303 FTA 80%	\$0
19-	STP-DA - Local 20%	\$0
20-	STP-DA - FHWA 80%	\$0

Mecklenburg-Union MPO - FY 09  
Funding Sources Table and Task Narrative

1-	MPO Name	Mecklenburg-Union
2-	FTA Code	44.23.02
3-	Task Code	III
4-	Title of Planning Task	Travel Demand Model
5-	Task Objective	To support the maintenance and updating of the regional travel demand model. MUMPO will work with its partners on maintenance and updating of the regional travel demand model.
6-	Tangible Product Expected	Updated data for incorporation into the official model set and working model set; improved algorithms and scripts to enhance model applications; tools to produce a "user-friendly" model; model documentation; training for technical staff; CATS on board survey; capacity deficiency analyses
7-	Expected Completion Date of Product(s)	Ongoing projects
8-	Previous Work	Previous work resulted in updating and maintenance of the travel demand model.
9-	Prior FTA Funds	\$241,312.00
10-	Relationship To Other Activities	
11-	Agency Responsible for Task Completion	CDOT, CMPC, NCDOT, CATS
12-	SPR - Highway - NCDOT 20%	\$0
13-	SPR - Highway - FHWA 80%	\$0
14-	Section 104 (f) PL Local 20%	\$51,500
15-	Section 104 (f) PL FHWA 80%	\$206,000
16-	Section 5303 Local 10%	\$44,273
17-	Section 5303 NCDOT 10%	\$44,273
18-	Section 5303 FTA 80%	\$354,184
19-	STP-DA - Local 20%	\$0
20-	STP-DA - FHWA 80%	\$0

Mecklenburg-Union MPO - FY 09  
Funding Sources Table and Task Narrative

1-	MPO Name	Mecklenburg-Union
2-	FTA Code	44.23.01
3-	Task Code	IV
4-	Title of Planning Task	Long-Range Transportation Planning
5-	Task Objective	Work on preparation of update to the LRTP.
6-	Tangible Product Expected	Adopted 2035 LRTP
7-	Expected Completion Date of Product(s)	LRTP adoption: Feb/March 2009
8-	Previous Work	Work or revised LRTP roadway ranking criteria; one LRTP amendment.
9-	Prior FTA Funds	\$0.00
10-	Relationship To Other Activities	
11-	Agency Responsible for Task Completion	CMPC, CDOT, CATS
12-	SPR - Highway - NCDOT 20%	\$1,200
13-	SPR - Highway - FHWA 80%	\$4,800
14-	Section 104 (f) PL Local 20%	\$20,700
15-	Section 104 (f) PL FHWA 80%	\$82,800
16-	Section 5303 Local 10%	\$0
17-	Section 5303 NCDOT 10%	\$0
18-	Section 5303 FTA 80%	\$0
19-	STP-DA - Local 20%	\$0
20-	STP-DA - FHWA 80%	\$0

Mecklenburg-Union MPO - FY 09  
Funding Sources Table and Task Narrative

1-	MPO Name	Mecklenburg-Union
2-	FTA Code	44.23.01
3-	Task Code	V
4-	Title of Planning Task	Continuing Programs
5-	Task Objective	Continue work on Congestion Management Process (CMP); air quality conformity determination and other air quality-related work; UPWP preparation; MTIP preparation.
6-	Tangible Product Expected	CMP, UPWP, MTIP, conformity determination report
7-	Expected Completion Date of Product(s)	Conformity determination: 3rd quarter; CMS: 2nd quarter; UPWP: 4th quarter; MTIP: ongoing
8-	Previous Work	UPWP, MTIP, and CMP. These are continuing items.
9-	Prior FTA Funds	\$0.00
10-	Relationship To Other Activities	
11-	Agency Responsible for Task Completion	CDOT, CMPC, CATS, NCDOT
12-	SPR - Highway - NCDOT 20%	\$1,600
13-	SPR - Highway - FHWA 80%	\$6,400
14-	Section 104 (f) PL Local 20%	\$17,375
15-	Section 104 (f) PL FHWA 80%	\$69,500
16-	Section 5303 Local 10%	\$3,125
17-	Section 5303 NCDOT 10%	\$3,125
18-	Section 5303 FTA 80%	\$25,000
19-	STP-DA - Local 20%	\$0
20-	STP-DA - FHWA 80%	\$0

Mecklenburg-Union MPO - FY 09  
Funding Sources Table and Task Narrative

1-	MPO Name	Mecklenburg-Union
2-	FTA Code	44.23.01
3-	Task Code	VI
4-	Title of Planning Task	Administration
5-	Task Objective	Public involvement, corridor protection and special studies, regional and/or statewide planning, support of TCC and MPO. MUMPO will work with its regional partners on the completion of the Fast Lanes study (a regional HOT/HOV System Plan).
6-	Tangible Product Expected	Products from 3 suballocations: Cornelius, Huntersville and a joint project of Waxhaw, Weddington, Wesley Chapel and Marvin. Participation in regional coordination efforts; regional HOT/HOV system plan; definition of alignments of proposed roadway extensions and/or realignments
7-	Expected Completion Date of Product(s)	Jun-08
8-	Previous Work	Products from PL fund suballocations; HOV/HOT system plan; other activities are on-going.
9-	Prior FTA Funds	\$257,200.00
10-	Relationship To Other Activities	
11-	Agency Responsible for Task Completion	CDOT, CMPC, NCDOT, Cornelius, Huntersville, joint project of the four towns noted above
12-	SPR - Highway - NCDOT 20%	\$3,000
13-	SPR - Highway - FHWA 80%	\$12,000
14-	Section 104 (f) PL Local 20%	\$115,150
15-	Section 104 (f) PL FHWA 80%	\$460,000
16-	Section 5303 Local 10%	\$0
17-	Section 5303 NCDOT 10%	\$0
18-	Section 5303 FTA 80%	\$0
19-	STP-DA - Local 20%	\$0
20-	STP-DA - FHWA 80%	\$0

Mecklenburg-Union Urban Area  
 FY 2009 Unified Planning Work Program  
 Funding Sources and Projects

TASK CODE	TASK DESCRIPTION	SPR		SEC. 104(f) PL		SECTION 5303			STP-DA		LOCAL	TASK FUNDING SUMMARY			TOTAL
		Highway		Highway/Transit		Transit/Highway			LOCAL	FHWA	LOCAL	STATE	FEDERAL		
		NCDOT 20%	FHWA 80%	LOCAL 20%	FHWA 80%	LOCAL 10%	NCDOT 10%	FTA 80%	LOCAL 20%	FHWA 80%	LOCAL	STATE	FEDERAL		
<b>II. CONTINUING TRANSPORTATION PLANNING</b>		\$1,600	\$6,400	\$85,400	\$341,600	\$0	\$0	\$0	\$0	\$0	\$0	\$85,400	\$1,600	\$348,000	<b>\$435,000</b>
II-1	Traffic Volume Counts	\$0	\$0	\$39,000	\$156,000	\$0	\$0	\$0	\$0	\$0	\$0	\$39,000	\$0	\$156,000	\$195,000
II-3	Street System Changes	\$0	\$0	\$500	\$2,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$0	\$2,000	\$2,500
II-4	Traffic Accidents	\$0	\$0	\$21,250	\$85,000	\$0	\$0	\$0	\$0	\$0	\$0	\$21,250	\$0	\$85,000	\$106,250
II-6	Dwelling Unit, Population & Employment Change	\$0	\$0	\$14,000	\$56,000	\$0	\$0	\$0	\$0	\$0	\$0	\$14,000	\$0	\$56,000	\$70,000
II-8	Vehicle Occupancy Rates	\$0	\$0	\$1,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$4,000	\$5,000
II-9	Travel Time Studies	\$0	\$0	\$1,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$4,000	\$5,000
II-10	GIS Analysis & Mapping	\$1,600	\$6,400	\$7,500	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500	\$1,600	\$36,400	\$45,500
II-11	Parking Inventory	\$0	\$0	\$400	\$1,600	\$0	\$0	\$0	\$0	\$0	\$0	\$400	\$0	\$1,600	\$2,000
II-12	Bicycle & Pedestrian Facilities Inventory	\$0	\$0	\$750	\$3,000	\$0	\$0	\$0	\$0	\$0	\$0	\$750	\$0	\$3,000	\$3,750
<b>III. TRAVEL DEMAND MODEL</b>		\$0	\$0	\$51,500	\$206,000	\$44,273	\$44,273	\$354,184	\$0	\$0	\$0	\$95,773	\$44,273	\$560,184	<b>\$700,230</b>
III-1	Collection of Base Year Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-2	Collection of Network Data	\$0	\$0	\$1,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$4,000	\$5,000
III-3	Travel Model Updates	\$0	\$0	\$16,500	\$66,000	\$14,109	\$14,109	\$112,872	\$0	\$0	\$0	\$30,609	\$14,109	\$178,872	\$223,590
III-4	Travel Surveys	\$0	\$0	\$25,000	\$100,000	\$26,789	\$26,789	\$214,312	\$0	\$0	\$0	\$51,789	\$26,789	\$314,312	\$392,890
III-5	Forecast of Data to Horizon Years	\$0	\$0	\$0	\$0	\$3,375	\$3,375	\$27,000	\$0	\$0	\$0	\$3,375	\$3,375	\$27,000	\$33,750
III-6	Forecasts of Future Travel Patterns	\$0	\$0	\$8,000	\$32,000	\$0	\$0	\$0	\$0	\$0	\$0	\$8,000	\$0	\$32,000	\$40,000
III-7	Capacity Deficiency Analysis	\$0	\$0	\$1,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$4,000	\$5,000
<b>IV. LONG-RANGE TRANSPORTATION PLANNING</b>		\$1,200	\$4,800	\$20,700	\$82,800	\$0	\$0	\$0	\$0	\$0	\$0	\$20,700	\$1,200	\$87,600	<b>\$109,500</b>
IV-1	Community Goals & Objectives	\$0	\$0	\$1,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$0	\$4,000	\$5,000
IV-2	Highway Element of LRTP	\$600	\$2,400	\$7,500	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500	\$600	\$32,400	\$40,500
IV-3	Transit Element of LRTP	\$200	\$800	\$200	\$800	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$200	\$1,600	\$2,000
IV-4	Bicycle & Pedestrian Element of LRTP	\$400	\$1,600	\$1,000	\$4,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,000	\$400	\$5,600	\$7,000
IV-5	Airport/Air Travel Element of LRTP	\$0	\$0	\$200	\$800	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$0	\$800	\$1,000
IV-6	Collector Street Element of LRTP	\$0	\$0	\$500	\$2,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$0	\$2,000	\$2,500
IV-7	Rail Element of LRTP	\$0	\$0	\$200	\$800	\$0	\$0	\$0	\$0	\$0	\$0	\$200	\$0	\$800	\$1,000
IV-8	Freight Movement/Mobility Element of LRTP	\$0	\$0	\$1,600	\$6,400	\$0	\$0	\$0	\$0	\$0	\$0	\$1,600	\$0	\$6,400	\$8,000
IV-9	Financial Planning	\$0	\$0	\$8,500	\$34,000	\$0	\$0	\$0	\$0	\$0	\$0	\$8,500	\$0	\$34,000	\$42,500
<b>V. CONTINUING PROGRAMS</b>		\$1,600	\$6,400	\$17,375	\$69,500	\$3,125	\$3,125	\$25,000	\$0	\$0	\$0	\$20,500	\$4,725	\$100,900	<b>\$126,125</b>
V-1	Congestion Management Strategies	\$400	\$1,600	\$4,375	\$17,500	\$0	\$0	\$0	\$0	\$0	\$0	\$4,375	\$400	\$19,100	\$23,875
V-2	Air Quality/Conformity Analysis	\$600	\$2,400	\$8,000	\$32,000	\$3,125	\$3,125	\$25,000	\$0	\$0	\$0	\$11,125	\$3,725	\$59,400	\$74,250
V-3	Planning Work Program	\$200	\$800	\$2,000	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000	\$200	\$8,800	\$11,000
V-4	Transportation Improvement Program	\$400	\$1,600	\$3,000	\$12,000	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000	\$400	\$13,600	\$17,000
<b>VI. ADMINISTRATION</b>		\$3,000	\$12,000	\$115,150	\$460,600	\$0	\$0	\$0	\$0	\$0	\$0	\$115,150	\$3,000	\$472,600	<b>\$590,750</b>
VI-1	Title VI	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
VI-2	Environmental Justice	\$0	\$0	\$400	\$1,600	\$0	\$0	\$0	\$0	\$0	\$0	\$400	\$0	\$1,600	\$2,000
VI-6	Public Involvement	\$800	\$3,200	\$2,500	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500	\$800	\$13,200	\$16,500
VI-8	Transportation Enhancement Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
VI-9	Environ. Analysis & Pre-TIP Planning	\$400	\$1,600	\$2,000	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000	\$400	\$9,600	\$12,000
VI-10	Corridor Protection and Special Studies	\$0	\$0	\$76,000	\$304,000	\$0	\$0	\$0	\$0	\$0	\$0	\$76,000	\$0	\$304,000	\$380,000
VI-11	Regional or Statewide Planning	\$800	\$3,200	\$7,500	\$30,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,500	\$800	\$33,200	\$41,500
VI-12	Management and Operations	\$1,000	\$4,000	\$26,750	\$107,000	\$0	\$0	\$0	\$0	\$0	\$0	\$26,750	\$1,000	\$111,000	\$138,750
<b>TOTALS</b>		<b>\$7,400</b>	<b>\$29,600</b>	<b>\$290,125</b>	<b>\$1,160,500</b>	<b>\$47,398</b>	<b>\$47,398</b>	<b>\$379,184</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$337,523</b>	<b>\$54,798</b>	<b>\$1,569,284</b>	<b>\$1,961,605</b>



**MECKLENBURG - UNION  
METROPOLITAN PLANNING ORGANIZATION  
FY 09 UPWP PL FUNDS (80 percent portion)**

TASK CODE	TASK DESCRIPTION	AGENCY OR JURISDICTION				Joint Proj*	TOTAL
		CDOT	C-MPC	CORNELIUS	H'VILLE		
<b>II. Continuing Transportation</b>		<b>\$341,600</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$341,600</b>
II-1	Traffic Volume Counts	\$156,000					\$156,000
II-3	Street System Changes	\$2,000					\$2,000
II-4	Traffic Accidents	\$85,000					\$85,000
II-6	Dwelling Unit, Pop. & Emplymnt Change	\$56,000					\$56,000
II-8	Vehicle Occupancy Rates	\$4,000					\$4,000
II-9	Travel Time Studies	\$4,000					\$4,000
II-10	GIS Analysis & Mapping	\$30,000					\$30,000
II-11	Parking Inventory	\$1,600					\$1,600
II-12	Bicycle & Pedestrian Facilities Inventory	\$3,000					\$3,000
<b>III. Travel Demand Model</b>		<b>\$206,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$206,000</b>
III-1	Collection Base Year Data	\$0					\$0
III-2	Collection of Network Data	\$4,000					\$4,000
III-3	Travel Model Updates	\$66,000					\$66,000
III-4	Travel Surveys	\$100,000					\$100,000
III-5	Forecast of Data to Horizon Years	\$0					\$0
III-6	Forecast of Future Travel Patterns	\$32,000					\$32,000
III-7	Capacity Deficiency Analysis	\$4,000					\$4,000
<b>IV. Long-Range Transportation Plan</b>		<b>\$82,800</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$82,800</b>
IV-1	Community Goals & Objectives	\$4,000					\$4,000
IV-2	Highway Element of the LRTP	\$30,000					\$30,000
IV-3	Transit Element of the LRTP	\$800					\$800
IV-4	Bicycle & Pedestrian Element of LRTP	\$4,000					\$4,000
IV-5	Airport/Air Travel Element of the LRTP	\$800					\$800
IV-6	Collector Street Element of the LRTP	\$2,000					\$2,000
IV-7	Rail Element of the LRTP	\$800					\$800
IV-8	Freight Movement/Mobility Elem of LRTP	\$6,400					\$6,400
IV-9	Financial Planning	\$34,000					\$34,000
<b>V. Continuing Programs</b>		<b>\$69,500</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$69,500</b>
V-1	Congestion Management Strategies	\$17,500					\$17,500
V-2	Air Quality/Conformity Analysis	\$32,000					\$32,000
V-3	Planning Work Program	\$8,000					\$8,000
V-4	TIP	\$12,000					\$12,000
<b>VI. Administration</b>		<b>\$245,600</b>	<b>\$100,000</b>	<b>\$15,000</b>	<b>\$20,000</b>	<b>\$80,000</b>	<b>\$460,600</b>
VI-1	Title VI	\$0					\$0
VI-2	Environmental Justice	\$1,600					\$1,600
VI-6	Public Involvement	\$10,000					\$10,000
VI-8	Transportation Enhancement Planning	\$0					\$0
VI-9	Environ Analysis & Pre-TIP Planning	\$8,000					\$8,000
VI-10	Corridor Protection & Special Studies	\$189,000		\$15,000	\$20,000	\$80,000	\$304,000
VI-11	Regional or Statewide Planning	\$30,000					\$30,000
VI-12	Management and Operations	\$7,000	\$100,000				\$107,000
<b>TOTALS</b>		<b>\$945,500</b>	<b>\$100,000</b>	<b>\$15,000</b>	<b>\$20,000</b>	<b>\$80,000</b>	<b>\$1,160,500</b>
*Waxhaw, Weddington, Wesley Chapel and Marvin							

**Mecklenburg-Union Urban Area  
FY 09 Planning Work Program  
Section 5303 Summary**

**SECTION 5303**

FTA Code	Task Code	Task Code Title	Description	Current FTA Section 5303 Funding	Prior FTA Section 5303 Funding	Product
442302	B	Travel Demand Model	Updated data for incorporation into the official model set and working model set; improved algorithms and scripts to enhance model applications; tools to produce a "user-friendly" model; model documentation; training for technical staff; surveys; CATS on-board survey; capacity deficiency analyses.	\$354,184	\$241,312	Surveys; updated roadway network data; updated model; capacity deficiency analyses
442301	C	Continuing Programs	Conformity determination report and other air quality-related work	\$25000	\$257,200	Conformity determination report

## Anticipated DBE Contracting Opportunities for FY 09

Name of MPO: Mecklenburg-Union

Person Completing Form: Robert Cook

Telephone Number: 704-336-8643

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
			NONE		

# **Task Descriptions**

## **MUMPO**

### **FY 09 Unified Planning Work Program**

The following provides descriptions of the work proposed to be performed during FY 09.

## **II Continuing Transportation**

### ***II-1 Traffic Volume Counts***

Work associated with the maintenance of the Traffic Count Program on thoroughfares (and some non-thoroughfares) within Charlotte city limits. Each thoroughfare is on a two-year rotation for counts unless the road falls under a special need to be re-counted. These counts are used in the validation/calibration efforts associated with the regional travel demand model. (NCDOT maintains traffic counts for roads outside the city of Charlotte.)

Funding source: PL Funds

### ***II-3 Street System Changes***

Work to be performed will relate to the maintenance of the inventory of the geometrics and signalization of the street system.

Funding source: PL Funds

### ***II-4 Traffic Accidents***

Work related to the support of maintaining the High Accident Location (HAL) list.

Funding source: PL Funds

### ***II-6 Dwelling Unit, Population & Employment Changes***

Work in the category will assist in the development of socio-economic projections in support of the preparation of the long-range transportation plan, and to ensure that the socio-economic data used in relation to the travel demand model is current.

Funding source: PL Funds

### ***II-8 Vehicle Occupancy Rates***

Funds will support:

- Data collection at gateway locations to Charlotte's central business district (CBD) for the two-hour AM peak.
- Prepare peak hour, two-hour vehicle occupancy rates (VOR) by location, yearly, and total CBD reports.
- Collect VOR as needed for special projects.

Funding source: PL Funds

### ***II-9 Travel Time Studies***

Funds will support:

- Collect travel time data on major/minor arterials from Charlotte CBD to MUMPO limits.
- Prepare reports and maps.

# **Task Descriptions**

## **MUMPO**

### **FY 09 Unified Planning Work Program**

- Collect travel time data as needed for special projects.

Funding source: PL Funds

#### ***II-10 GIS Analysis & Mapping***

The LRTP update effort will require a significant amount of data analysis and mapping.

Funding source: PL Funds

#### ***II-11 Parking Inventory***

Funds will support:

- Counting the number of spaces and number of occupied spaces.
- Collecting pricing and type (monthly - daily, public - private) data for all surface lots and garage parking facilities.
- Prepare reports and maps.

This activity is focused on Charlotte's central business district.

Funding source: PL Funds

#### ***II-12 Bicycle & Pedestrian Facilities Inventory***

This will support efforts to maintain inventories of bicycle and pedestrian facilities.

Funding source: PL Funds

### **III Travel Demand Model**

#### ***III-2 Collection of Network Data***

Update of roadway network data, such as posted speed limits, number of lanes, traffic signal locations, etc.

Funding source: PL Funds

#### ***III-3 Travel Model Updates***

Funds expended in this category will be devoted to annual model maintenance: incorporate updated model data into the working model set; develop improved algorithms and scripts to enhance applications of the model; develop tools to produce a "user-friendly" model for end users and incorporate improvements resulting from the above; model documentation; provide training to NCDOT and SCDOT technical staff.

Funding source: PL & 5303 Funds

#### ***III-4 Travel Survey***

Conduct small sample surveys for use in updating baseline data for home interview survey, external station survey, workplace survey, and vehicle classification counts; CATS on-board survey.

Funding source: PL Funds & 5303 Funds (CATS survey will use 5303 funds.)

#### ***III-5 Forecast of Data to Horizon Years***

Funds will support:

# **Task Descriptions**

## **MUMPO**

### **FY 09 Unified Planning Work Program**

- Projecting population and socio-economic factors on an area wide basis.
- Cross checking projections and converting them to land use quantities if required.
- Distributing the projected planning data to traffic zones.

Funding source: 5303 Funds

#### ***III-6 Forecasts of Future Travel Patterns***

Forecasted planning data will be used as an input to the travel forecast models.

Funding source: PL Funds

#### ***III-7 Capacity Deficiency Analysis***

Applications include but are not limited to: HOV/HOT study; the Transportation Action Plan; small area plans.

Funding source: PL Funds

## **IV Long-Range Transportation Plan**

#### ***IV-1 Community Goals & Objectives***

Review and possibly update the goals and objectives of the 2030 Plan for the updated long-range plan.

Funding source: PL Funds

#### ***IV-2 Highway Element***

Work in this category will focus on the development of the financially constrained roadway network of the LRTP.

Funding source: PL Funds

#### ***IV-3 Transit Element***

Work related to updating the transit element of the LRTP.

Funding source: PL Funds

#### ***IV-4 Bicycle & Pedestrian Element***

Work related to updating the bicycle and pedestrian elements of the LRTP.

Funding source: PL Funds

#### ***IV-5 Airport/Air Travel Element***

Work related to updating the airport element of the LRTP.

Funding source: PL Funds

#### ***IV-6 Collector Street Element***

Work related to updating collector street information.

Funding source: PL Funds

# **Task Descriptions**

## **MUMPO**

### **FY 09 Unified Planning Work Program**

#### ***IV-7 Rail Element***

Work related to updating the rail element of the LRTP.  
Funding source: PL Funds

#### ***IV-8 Freight Movement/Mobility Element***

Work related to updating the freight element of the LRTP.  
Funding source: PL Funds

#### ***IV-9 Financial Planning***

New revenue estimates and cost estimates must be developed for the updated LRTP.  
Funding source: PL Funds

## **V Continuing Programs**

#### ***V-1 Congestion Management Strategies***

Work in this category will be focused on the on-going development of a congestion management process (CMP) that will be included in the updated LRTP.  
Funding source: PL Funds

#### ***V-2 Air Quality/Conformity Analysis***

MUMPO's planning area is classified as non-attainment for ozone and Mecklenburg County is classified as maintenance for carbon monoxide. Some of the potential tasks associated with the category in FY 09 are:

- Participation in interagency consultation process as part of SIP development and conformity determination development.
- Providing assistance to NCDENR in developing and maintaining mobile source emission inventories.
- Performing analysis and approving conformity determinations, at least one of which will be needed during FY 09.

Funding source: PL & 5303 Funds

#### ***V-3 Planning Work Program***

Annual preparation of the UPWP.  
Funding source: PL Funds

#### ***V-4 Transportation Improvement Program***

Work associated with, but not limited to, amendments to the 2009-2015 TIP and the preparation and review of the 2011-2017 TIP, including development of the candidate projects list.  
Funding source: PL Funds

# Task Descriptions

## MUMPO

### FY 09 Unified Planning Work Program

#### **VI Administration**

##### ***VI-2 Environmental Justice***

Outreach to environmental justice communities in preparation of the LRTP update.  
Funding source: PL Funds

##### ***VI-6 Public Involvement***

MUMPO undertakes a variety of efforts each fiscal year that require outreach to the public. These efforts include, but are not limited to, work associated with the long-range transportation plan (LRTP), transportation improvement program (TIP), Unified Planning Work Program (UPWP), corridor studies, etc. Work associated with these and other outreach efforts are linked to this task code.

Funding source: PL Funds

##### ***VI-9 Environmental Analysis & Pre-TIP Planning***

Evaluation of different scenarios for the roadway network of the LRTP.  
Funding source: PL Funds

##### ***VI-10 Corridor Protection & Special Studies***

Funds will support:

- PL Suballocations:
  - Cornelius: Transit needs assessment focused on the needs for new infrastructure in the town's transit station area: \$15,000.
  - Huntersville: traffic count program (\$12K); corridor studies (\$6K); staff time-regional transportation planning (\$2K)-total: \$20,000.
  - Waxhaw, Weddington, Wesley Chapel & Marvin: joint local transportation plan: \$80,000.
- Additional work associated with the HOV/HOT study.
- Various projects (performed in-house or by consultants) to define conceptual alignments of proposed Thoroughfare Plan roadway extensions or realignments.
- Projects associated with addressing recommendations of the Certification Review.
- Other projects as recommended by the TCC and approved by the MPO.

Funding source: PL Funds

##### ***VI-11 Regional or Statewide Planning***

Funds will support:

- Continued coordination with regional MPO and RPO partners.
- Activities associated with the Charlotte Regional Alliance for Transportation (CRAFT).
- Complete work on HOV/HOT System Feasibility Plan.

Funding source: PL Funds



# **Task Descriptions**

## **MUMPO**

### **FY 09 Unified Planning Work Program**

#### ***VI-12 Management & Operations***

Work performed as outlined in the Prospectus:

- attending MPO, TCC and Transportation Staff meetings
- preparation of MPO and TCC agendas
- preparation of MPO and TCC meeting minutes
- updating MUMPO's website
- overall management of the daily functions of MUMPO

Funding source: PL Funds