

**FY 2010  
Unified Planning Work Program**

**Mecklenburg-Union  
Metropolitan Planning Organization**

**Approved by the  
Mecklenburg-Union  
Metropolitan Planning Organization  
March 18, 2009**



M E C K L E N B U R G - U N I O N  
METROPOLITAN PLANNING ORGANIZATION

600 East Fourth Street  
Charlotte, North Carolina 28202-2853  
704-336-2205  
www.mumpo.org

CHARLOTTE  
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COUNTY  
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WESLEY CHAPEL  
WINGATE

July 6, 2009

Denise Lavender  
Assistant Director for Mobility Development  
Public Transportation Division  
North Carolina Department of Transportation  
1550 Mail Service Center  
Raleigh, North Carolina 27699-1550

SUBJECT: FY 10 Mecklenburg-Union MPO  
Unified Planning Work Program

Dear Ms. Lavender:

Enclosed is a copy of the Mecklenburg-Union Urban Area Unified Planning Work Program (UPWP) for FY 2010. The UPWP serves as the Urban Area's Metropolitan Planning Program grant application requesting Federal Transit Administration Section 5303 planning funds. A complete description and budget of planning activities is included in the UPWP. The UPWP was approved by the MPO on March 18, 2009.

The Federal Transit Administration (FTA) grant amount has been changed to reflect the full funding amount of \$388,824.

The local match will be provided by the City of Charlotte, which is the designated grant recipient of Section 5303 grant funds.

Sincerely:

Robert W. Cook, Secretary  
Mecklenburg-Union Metropolitan Planning Organization

cc: Mike Bruff, P.E., Manager, Transportation Planning Branch  
Jack Flaherty, Western Region Team Leader, Public Transportation Division

Mecklenburg-Union MPO - FY 10  
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. Vehicle occupancy rates. 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 6-8 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%	\$1,000
13-	SPR - Highway - FHWA 80%	\$4,000
14-	Section 104 (f) PL Local 20%	\$87,400
15-	Section 104 (f) PL FHWA 80%	\$349,600
16-	Section 5303 Local 10%	\$5,316
17-	Section 5303 NCDOT 10%	\$5,316
18-	Section 5303 FTA 80%	\$42,531
19-	STP-DA - Local 20%	\$5,000
20-	STP-DA - FHWA 80%	\$20,000

Mecklenburg-Union MPO - FY 10  
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; travel surveys; CATS on-board survey; capacity
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	\$354,184.00
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%	\$26,500
15-	Section 104 (f) PL FHWA 80%	\$106,000
16-	Section 5303 Local 10%	\$39,294
17-	Section 5303 NCDOT 10%	\$39,294
18-	Section 5303 FTA 80%	\$314,350
19-	STP-DA - Local 20%	\$0
20-	STP-DA - FHWA 80%	\$0

Mecklenburg-Union MPO - FY 10  
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 2010
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%	\$875
13-	SPR - Highway - FHWA 80%	\$3,500
14-	Section 104 (f) PL Local 20%	\$9,500
15-	Section 104 (f) PL FHWA 80%	\$38,000
16-	Section 5303 Local 10%	\$2,390
17-	Section 5303 NCDOT 10%	\$2,390
18-	Section 5303 FTA 80%	\$19,119
19-	STP-DA - Local 20%	\$8,750
20-	STP-DA - FHWA 80%	\$35,000

Mecklenburg-Union MPO - FY 10  
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: 3rd quarter; MTIP: 4th quarter
8-	Previous Work	UPWP, MTIP, and CMP. These are continuing items.
9-	Prior FTA Funds	\$25,000.00
10-	Relationship To Other Activities	
11-	Agency Responsible for Task Completion	CDOT, CMPC, CATS, NCDOT
12-	SPR - Highway - NCDOT 20%	\$2,500
13-	SPR - Highway - FHWA 80%	\$10,000
14-	Section 104 (f) PL Local 20%	\$10,375
15-	Section 104 (f) PL FHWA 80%	\$41,500
16-	Section 5303 Local 10%	\$1,603
17-	Section 5303 NCDOT 10%	\$1,603
18-	Section 5303 FTA 80%	\$12,824
19-	STP-DA - Local 20%	\$14,250
20-	STP-DA - FHWA 80%	\$57,000

Mecklenburg-Union MPO - FY 10  
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, environmental justice outreach, LRTP alternatives evaluation, corridor protection and special studies, regional and/or statewide planning, support of TCC and MPO.
6-	Tangible Product Expected	Products from 4 suballocations: Cornelius, Huntersville, Davidson and Mint Hill. Participation in regional coordination efforts; definition of alignments of proposed roadway extensions and/or realignments.
7-	Expected Completion Date of Product(s)	Jun-10
8-	Previous Work	Products from PL fund suballocations; HOV/HOT system plan; other activities are on-going.
9-	Prior FTA Funds	\$0.00
10-	Relationship To Other Activities	
11-	Agency Responsible for Task Completion	CDOT, CMPC, NCDOT, Cornelius, Davidson, Huntersville, Mint Hill
12-	SPR - Highway - NCDOT 20%	\$3,500
13-	SPR - Highway - FHWA 80%	\$14,000
14-	Section 104 (f) PL Local 20%	\$47,400
15-	Section 104 (f) PL FHWA 80%	\$189,600
16-	Section 5303 Local 10%	\$0
17-	Section 5303 NCDOT 10%	\$0
18-	Section 5303 FTA 80%	\$0
19-	STP-DA - Local 20%	\$92,000
20-	STP-DA - FHWA 80%	\$368,000

Mecklenburg-Union Urban Area  
 FY 2010 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	FHWA	LOCAL	FHWA	LOCAL	NCDOT	FTA	LOCAL	FHWA		LOCAL	STATE	FEDERAL	
		20%	80%	20%	80%	10%	10%	80%	20%	80%					
<b>II. CONTINUING TRANSPORTATION PLANNING</b>		\$1,000	\$4,000	\$87,400	\$349,600	\$5,316	\$5,316	\$42,531	\$5,000	\$20,000	\$0	\$97,716	\$6,316	\$416,131	\$520,164
II-1	Traffic Volume Counts	\$0	\$0	\$42,000	\$168,000	\$0	\$0	\$0	\$0	\$0	\$0	\$42,000	\$0	\$168,000	\$210,000
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	\$5,316	\$5,316	\$42,531	\$0	\$0	\$0	\$19,316	\$5,316	\$98,531	\$123,164
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	\$1,000	\$4,000	\$6,500	\$26,000	\$0	\$0	\$0	\$5,000	\$20,000	\$0	\$11,500	\$1,000	\$50,000	\$62,500
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	\$26,500	\$106,000	\$39,294	\$39,294	\$314,350	\$0	\$0	\$0	\$65,794	\$39,294	\$420,350	\$525,438
III-1	Collection of Base Year Data	\$0	\$0	\$6,890	\$27,560	\$0	\$0	\$0	\$0	\$0	\$0	\$6,890	\$0	\$27,560	\$34,450
III-2	Collection of Network Data	\$0	\$0	\$530	\$2,120	\$0	\$0	\$0	\$0	\$0	\$0	\$530	\$0	\$2,120	\$2,650
III-3	Travel Model Updates	\$0	\$0	\$6,625	\$26,500	\$17,589	\$17,589	\$140,711	\$0	\$0	\$0	\$24,214	\$17,589	\$167,211	\$209,014
III-4	Travel Surveys	\$0	\$0	\$5,300	\$21,200	\$16,600	\$16,600	\$132,803	\$0	\$0	\$0	\$21,900	\$16,600	\$154,003	\$192,504
III-5	Forecast of Data to Horizon Years	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-6	Forecasts of Future Travel Patterns	\$0	\$0	\$6,625	\$26,500	\$5,105	\$5,105	\$40,836	\$0	\$0	\$0	\$11,730	\$5,105	\$67,336	\$84,170
III-7	Capacity Deficiency Analysis	\$0	\$0	\$530	\$2,120	\$0	\$0	\$0	\$0	\$0	\$0	\$530	\$0	\$2,120	\$2,650
<b>IV. LONG-RANGE TRANSPORTATION PLANNING</b>		\$875	\$3,500	\$9,500	\$38,000	\$2,390	\$2,390	\$19,119	\$8,750	\$35,000	\$0	\$20,640	\$3,265	\$95,619	\$119,524
IV-1	Community Goals & Objectives	\$0	\$0	\$500	\$2,000	\$0	\$0	\$0	\$0	\$0	\$0	\$500	\$0	\$2,000	\$2,500
IV-2	Highway Element of LRTP	\$500	\$2,000	\$5,250	\$21,000	\$0	\$0	\$0	\$5,000	\$20,000	\$0	\$10,250	\$500	\$43,000	\$53,750
IV-3	Transit Element of LRTP	\$125	\$500	\$0	\$0	\$2,390	\$2,390	\$19,119	\$0	\$0	\$0	\$2,390	\$2,515	\$19,619	\$24,524
IV-4	Bicycle & Pedestrian Element of LRTP	\$250	\$1,000	\$500	\$2,000	\$0	\$0	\$0	\$1,250	\$5,000	\$0	\$1,750	\$250	\$8,000	\$10,000
IV-5	Airport/Air Travel Element of LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
IV-6	Collector Street Element of LRTP	\$0	\$0	\$250	\$1,000	\$0	\$0	\$0	\$0	\$0	\$0	\$250	\$0	\$1,000	\$1,250
IV-7	Rail Element of LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,250	\$5,000	\$0	\$1,250	\$0	\$5,000	\$6,250
IV-8	Freight Movement/Mobility Element of LRTP	\$0	\$0	\$500	\$2,000	\$0	\$0	\$0	\$1,250	\$5,000	\$0	\$1,750	\$0	\$7,000	\$8,750
IV-9	Financial Planning	\$0	\$0	\$2,500	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500	\$0	\$10,000	\$12,500
<b>V. CONTINUING PROGRAMS</b>		\$2,500	\$10,000	\$10,375	\$41,500	\$1,603	\$1,603	\$12,824	\$14,250	\$57,000	\$0	\$26,228	\$4,103	\$121,324	\$151,655
V-1	Congestion Management Strategies	\$500	\$2,000	\$4,375	\$17,500	\$0	\$0	\$0	\$5,000	\$20,000	\$0	\$9,375	\$500	\$39,500	\$49,375
V-2	Air Quality/Conformity Analysis	\$1,250	\$5,000	\$0	\$0	\$1,603	\$1,603	\$12,824	\$8,000	\$32,000	\$0	\$9,603	\$2,853	\$49,824	\$62,280
V-3	Planning Work Program	\$250	\$1,000	\$2,000	\$8,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,000	\$250	\$9,000	\$11,250
V-4	Transportation Improvement Program	\$500	\$2,000	\$4,000	\$16,000	\$0	\$0	\$0	\$1,250	\$5,000	\$0	\$5,250	\$500	\$23,000	\$28,750
<b>VI. ADMINISTRATION</b>		\$3,500	\$14,000	\$47,400	\$189,600	\$0	\$0	\$0	\$92,000	\$368,000	\$0	\$139,400	\$3,500	\$571,600	\$714,500
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	\$500	\$2,000	\$2,500	\$10,000	\$0	\$0	\$0	\$5,000	\$20,000	\$0	\$7,500	\$500	\$32,000	\$40,000
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	\$500	\$2,000	\$2,000	\$8,000	\$0	\$0	\$0	\$5,000	\$20,000	\$0	\$7,000	\$500	\$30,000	\$37,500
VI-10	Corridor Protection and Special Studies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$82,000	\$328,000	\$0	\$82,000	\$0	\$328,000	\$410,000
VI-11	Regional or Statewide Planning	\$1,000	\$4,000	\$15,000	\$60,000	\$0	\$0	\$0	\$0	\$0	\$0	\$15,000	\$1,000	\$64,000	\$80,000
VI-12	Management and Operations	\$1,500	\$6,000	\$27,500	\$110,000	\$0	\$0	\$0	\$0	\$0	\$0	\$27,500	\$1,500	\$116,000	\$145,000
<b>TOTALS</b>		\$7,875	\$31,500	\$181,175	\$724,700	\$48,603	\$48,603	\$388,824	\$120,000	\$480,000	\$0	\$349,778	\$56,478	\$1,625,024	\$2,031,280



**Mecklenburg-Union Urban Area  
FY 10 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
442200	II	Continuing Transportation Planning	Development of socio-economic projections in support of LRTP update	\$42,531	0	Socio-economic projections
442302	III	Travel Demand Model	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. Vehicle occupancy rates. Development of socio-economic projections in support of the LRTP update and to ensure the travel demand model is based upon current assumptions.	\$314,350	\$354,184	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; travel surveys; CATS on-board survey; capacity deficiency analyses.
442301	IV	Long-Range Transportation Planning	Transit element update; transit financial plan update; Corridor System Plan update; park & ride counts; ridership sampling; Countywide Transit Services Plan update.	\$19,119	0	LRTP: transit element and financial plan; updated Countywide Transit Services Plan.

**Mecklenburg-Union Urban Area  
 FY 10 Planning Work Program  
 Section 5303 Summary**

442301	V	Continuing Programs	<p>Participation in interagency consultation process as part of SIP development and conformity determination development.</p> <p>Providing assistance to NCDENR in developing and maintaining mobile source emission inventories.</p> <p>Performing analysis and approving conformity determinations, at least one of which will be needed during FY 10.</p> <p>Assistance with the preparation of the air quality conformity determination report.</p>	\$12,824	0	Conformity determination report
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**Attachment # 7**  
**Anticipated DBE Contracting Opportunities for FY10**

Name of MPO: Mecklenburg-Union

X Check here if no anticipated DBE opportunities

Person Completing Form: Robert W. 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

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.**

# RESOLUTION

## APPROVING THE FY 2010 UNIFIED PLANNING WORK PROGRAM OF THE MECKLENBURG-UNION URBAN AREA

A motion was made by MPO Member Brian Sisson and seconded by MPO Member James Bensman 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

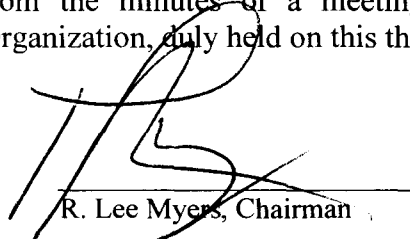
WHEREAS, the City of Charlotte has been designated as the recipient of Federal Transit Administration Metropolitan Planning Program funds; and

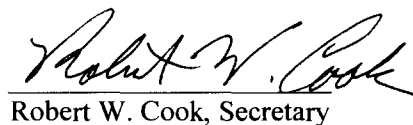
WHEREAS, members of the Mecklenburg-Union Metropolitan Planning Organization agree that the Unified Planning Work Program will effectively advance transportation planning for FY 2010.

NOW, THEREFORE BE IT RESOLVED that the Mecklenburg-Union Metropolitan Planning Organization hereby endorses the FY 2010 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 18th day of March, 2009.

  
R. Lee Myers, Chairman

  
Robert W. Cook, Secretary

**Task Descriptions**  
**MUMPO**  
**FY 10 Unified Planning Work Program**  
Approved by the MPO March 18, 2009

The following provides descriptions of the work proposed to be performed during FY 10.

**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***

Development review and coordination.

Funding source: PL Funds & 5303 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.

Collect travel time data as needed for special projects.

Funding source: PL Funds

**Task Descriptions**  
**MUMPO**  
**FY 10 Unified Planning Work Program**  
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***II-10 GIS Analysis & Mapping***

Substantial work related to the preparation of the LRTP will be required.

Funding source: PL Funds & STP-DA 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-1 Collection of Base Year Data***

Collection of the following by traffic analysis zone is required: population; housing units; employment.

Funding source: PL Funds

***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***

**CDOT:** 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.

**CATS:** Update and calibrate transit portion of the model; develop travel forecasts for the LRTP, Corridor System Plan and Countywide Transit Services Plan.

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.)

**Task Descriptions**  
**MUMPO**  
**FY 10 Unified Planning Work Program**  
Approved by the MPO March 18, 2009

***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 & 5303 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 & STP-DA Funds

***IV-3 Transit Element***

Transit element update; transit financial plan update; Corridor System Plan update; park & ride counts; ridership sampling; Countywide Transit Services Plan update.  
Funding source: 5303 Funds

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

Work related to updating the bicycle and pedestrian elements of the LRTP.  
Funding source: PL Funds & STP-DA Funds

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

Work related to updating collector street information.  
Funding source: PL Funds

***IV-7 Rail Element***

Work related to updating rail information.  
Funding source: STP-DA Funds

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

Work related to updating the freight element of the LRTP.  
Funding source: PL Funds & STP-DA Funds

**Task Descriptions**  
**MUMPO**  
**FY 10 Unified Planning Work Program**  
Approved by the MPO March 18, 2009

***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, as well as on CMP implementation once it is adopted.  
Funding source: PL Funds & STP-DA 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 10 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 10.

Assistance with the preparation of the air quality conformity determination report.

Funding source: 5303 & STP-DA 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 & STP-DA Funds

**VI Administration**

***VI-2 Environmental Justice***

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



**Task Descriptions**  
**MUMPO**  
**FY 10 Unified Planning Work Program**

Approved by the MPO March 18, 2009

***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 & STP-DA Funds

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

Evaluation of different scenarios for the roadway network of the LRTP.

Funding source: PL Funds & STP-DA Funds

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

Funds will support:

PL local transportation planning efforts:

- Cornelius: \$21,600
- Davidson: \$25,000
- Huntersville: \$18,500
- Mint Hill: \$37,500

Various projects (performed in-house or by consultants) to define conceptual alignments of proposed Thoroughfare Plan roadway extensions or realignments.

Support work of consultant to manage LRTP development process.

Other projects as recommended by the TCC and approved by the MPO.

Funding source: STP-DA 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).

Funding source: PL Funds

***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