

**FY 2012
Unified Planning Work Program**

**Mecklenburg-Union
Metropolitan Planning Organization**

**Approved by the
Mecklenburg-Union
Metropolitan Planning Organization
May 18, 2011**

Amended September 21, 2011



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

June 10, 2011

CORNELIUS

DAVIDSON

HUNTERSVILLE

INDIAN TRAIL

MATTHEWS

MECKLENBURG
COUNTY

MINT HILL

MONROE

NCDOT

PINEVILLE

STALLINGS

UNION
COUNTY

WAXHAW

WEDDINGTON

WESLEY CHAPEL

WINGATE

Ms. Miriam Perry, Director
Public Transportation Division
N.C. Department of Transportation
1550 Mail Service Center
Raleigh, NC 27699-1550
Attn: Jeff Crouchley

Dear Ms. Perry:

Enclosed for approval are an original and two (2) copies of the Mecklenburg-Union Urban Area Unified Planning Work Program (UPWP) for FY 2012. The UPWP also 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 original resolution and two copies are enclosed. Also included is our FY 2011 self-certification resolution.

The Federal Transit Administration (FTA) grant amount requested is our full allocation of \$345,696. This will be matched with local funds in the amount of \$43,212. The local match will be provided by the City of Charlotte. The Charlotte Area Transit System is the designated grant recipient for Section 5303 grant funds.

Sincerely:

Ted Biggers, Chairman

Enclosures: Adopted FY2012 PWP

cc: Mike Bruff, P.E, Manager, Transportation Planning Branch (1 copy)
Dr. Yvette G. Taylor, FTA Region IV Administrator
Keith Melton, FTA Region IV
Jack Flaherty, Public Transportation Division
Anil Panicker, Transportation Planning Branch
Michelle Littlejohn, Charlotte Department of Transportation



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CHARLOTTE
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DAVIDSON

November 7, 2011

HUNTERSVILLE
INDIAN TRAIL
MATTHEWS
MECKLENBURG
COUNTY
MINT HILL
MONROE
NCDOT

Mike Bruff, PE
Branch Manager
Transportation Planning Branch
North Carolina Department of Transportation
1554 Mail Service Center
Raleigh, NC 27699-1554

PINEVILLE
STALLINGS
UNION
COUNTY
WAXHAW

Dear Mr. Bruff:

Enclosed is an original and two (2) copies of an amendment to the Mecklenburg-Union Metropolitan Planning Organization's (MUMPO) Unified Planning Work Program (UPWP) for FY 2012. The amendment to the UPWP was approved by the MPO on September 21, 2011.

WEDDINGTON
WESLEY CHAPEL
WINGATE

The amendment was necessary in order to program the full amount of MUMPO's FY 2012 allocation. Details are provided on the following pages.

Sincerely:

Ted Biggers, Chairman

cc: Anil Panicker, Urban Area Coordinator, Transportation Planning Branch
Jack Flaherty, Public Transportation Division
Jayne A. Peterson, Charlotte Department of Transportation



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WINGATE

**FY 2012 Unified Planning Work Program Amendment
September 21, 2011**

MUMPO adopted its fiscal year 2012 Unified Planning Work Program (UPWP) on May 18, 2011. An amendment to the UPWP was approved on September 21, 2011.

The UPWP amendment was necessary in order to allocate \$809,767 in additional Planning (PL) funds. The MPO's FY 2012 allocation was not made known until after the UPWP's adoption. While developing the UPWP, MUMPO conservatively estimated the amount of available funding to be \$725,000. The actual amount available was \$1,534,767. This amount was the total of the annual allocation of \$897,575 plus \$637,192 in the form of unobligated balances from previous fiscal years.

Projects

The MPO's action to amend the UPWP included a list of specific projects, the funding to be allocated to those projects, and the Task Codes in which the funds were programmed. The following lists the projects, funding levels and Task Codes.

- 1) *Technology upgrade for the Metrolina regional travel demand model staff*
PL funds: \$38,400
Task code: III-3, Travel Model Updates
- 2) *Metrolina regional travel demand model storage*
PL funds: \$92,000
Task code: III-3, Travel Model Updates
- 3) *Update of travel time data*
PL funds: \$60,000
Task code: II-9, Travel Time Studies
- 4) *GIS services; interactive GIS mapping of transportation projects for MPO website*
PL funds: \$133,567
Task code: II-10, GIS Analysis & Mapping
- 5) *Improvements to MPO website*
PL funds: \$4,000
Task code: VI-12, Management & Operations
- 6) *Technology upgrade to support Research staff for Census-related tasks (urban area boundary expansion)*
PL funds: \$4,800
Task code: II-10, GIS Analysis & Mapping
- 7) *Support for local transportation planning projects in Matthews/Stallings, Union County, Charlotte and Cornelius*
PL funds: \$477,000
Task code: VI-10, Corridor Protection & Special Studies

RESOLUTION

APPROVING THE FY 2012 UNIFIED PLANNING WORK PROGRAM OF THE MECKLENBURG-UNION METROPOLITAN PLANNING ORGANIZATION

A motion was made by MPO Member Sarah McAulay and seconded by MPO Member David Howard 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

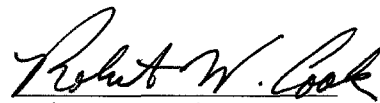
WHEREAS, the City of Charlotte has been designated as the recipient of Federal Transit Administration Metropolitan Planning Program funds; and

WHEREAS, members of the Mecklenburg-Union Metropolitan Planning Organization agree that the Unified Planning Work Program will effectively advance transportation planning for FY 2012.

NOW, THEREFORE BE IT RESOLVED that the Mecklenburg-Union Metropolitan Planning Organization hereby endorses the FY 2012 Unified Planning Work Program for the Mecklenburg-Union Metropolitan Planning Organization.

I, Ted Biggers, 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 May, 2011.


Ted Biggers, Chairman


Robert W. Cook, Secretary

RESOLUTION

TO AMEND THE FY 2012 UNIFIED PLANNING WORK PROGRAM FOR THE MECKLENBURG-UNION METROPOLITAN PLANNING ORGANIZATION

A motion was made by MPO Member David Howard and seconded by MPO Member James Taylor 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 Mecklenburg-Union Metropolitan Planning Organization (MPO) adopted the FY 2012 Unified Planning Work Program (UPWP) on May 18, 2011; and

WHEREAS, the MPO's full FY 2012 allocation was not known until after the initial adoption of the FY 12 UPWP on May 19, 2011; and

WHEREAS, the total allocation exceeds the amount estimated to be available when the UPWP was being prepared; and

WHEREAS, the MPO finds a need to amend the FY 2012 UPWP in the following manner in order to allocate the additional funds:

- 1) *Technology upgrade for the Metrolina regional travel demand model staff*
PL funds: \$38,400
Task code: III-3, Travel Model Updates
- 2) *Metrolina regional travel demand model storage*
PL funds: \$92,000
Task code: III-3, Travel Model Updates
- 3) *Update of travel time data*
PL funds: \$60,000
Task code: II-9, Travel Time Studies
- 4) *GIS services; interactive GIS mapping of transportation projects for MPO website*
PL funds: \$133,567
Task code: II-10, GIS Analysis & Mapping
- 5) *Improvements to MPO website*
PL funds: \$4,000
Task code: VI-12, Management & Operations
- 6) *Technology upgrade to support Research staff for Census-related tasks (urban area boundary expansion)*
PL funds: \$4,800
Task code: II-10, GIS Analysis & Mapping
- 7) *Support for local transportation planning projects in Matthews/Stallings, Union County, Charlotte and Cornelius*
PL funds: \$477,000
Task code: VI-10, Corridor Protection & Special Studies; and

WHEREAS, the Technical Coordinating Committee unanimously recommended that the MPO amend the UPWP as presented.

NOW, THEREFORE BE IT RESOLVED that the Mecklenburg-Union Metropolitan Planning Organization hereby amends the FY 2012 Unified Planning Work Program for the Mecklenburg-Union Metropolitan Planning Organization in the manner stated above.

I, Ted Biggers, 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 September, 2011.



Ted Biggers, Chairman



Robert W. Cook, Secretary

MECKLENBURG-UNION METROPOLITAN PLANNING ORGANIZATION
Charlotte-Mecklenburg Government Center Conference Room 267
September 21, 2011 Meeting
Summary Minutes-Abridged

Members Attending:

David Howard (Charlotte), Jim Bensman (Cornelius), Sarah McAulay (Huntersville), James Taylor (Matthews), Ted Biggers (Mint Hill), Jim Eschert (Pineville), Lynda Paxton (Stallings), , Daune Gardner (Waxhaw), Nancy Anderson (Weddington), Brad Horvath (Wesley Chapel), Bill Braswell (Wingate)

Non-Voting Members Attending:

Steven Rosenburgh (Charlotte-Mecklenburg Planning Commission)

1. Call to Order

Mayor Ted Biggers called the March 2011 MUMPO meeting to order at 7:05 PM.

8. FY 2012 Unified Planning Work Program (UPWP) Amendment

Presenter:

Robert Cook

Summary:

Mr. Cook explained that the UPWP amendment was necessary in order to allocate \$809,767 in additional Planning (PL) funds. The MPO's FY 2012 allocation was not made known until after the UPWP's adoption in May. While developing the UPWP, MUMPO conservatively estimated the amount of available funding to be \$725,000. The actual amount available is \$1,534,767. The amount is the total of the annual allocation of \$897,575 plus \$637,192 in the form of unobligated balances from previous fiscal years. Projects proposed for funding are those that will directly support the MPO process, as well as local projects, sponsored by city/town staffs that advance the overall transportation planning process within the MPO's planning area. \$477,000 is proposed to go to six projects sponsored by the City of Charlotte, Union County and the towns of Matthews, Stallings, and Cornelius. \$332,767 is proposed to fund efforts supporting the MPO process.

Motion:

David Howard made a motion to approve the UPWP amendment as presented. James Taylor seconded the motion. Upon being put to a vote, the motion passed unanimously.

FTA TASK NARRATIVE TABLE

HEADING	MPO RESPONSE
1- MPO	1. Mecklenburg-Union
2 -FTA Code	2. 44.23.01
3- Task Code	3. II-9
4- Title	4. Travel Time Studies
5- Task Objective	5. The funds will be used to update historical travel time data and dynamic route travel times.
6 - Tangible Product Expected	6. Information concerning travel times and speeds along major corridors that will assist with calibration of the modeled speeds and with monitoring of congestion for MUMPO's congestion management process.
7- Expected Completion	7. June 2012
8 - Previous Work	8. Purchase of historical travel time data and dynamic route travel times; work similar to that described above.
9 - Prior FTA Funds	9. 12000
10 - Relationship	10. The work will support efforts related to the travel demand model as well as the updating of MUMPO's congestion management process.
11 -Agency	11. Charlotte Department of Transportation
12- HPR - Highway - NCDOT 20%	12.
13- HPR - Highway - F11WA 80%	13.
14- Section 104 (f) PI, Local 20%	14. 18000
15- Section 104 (f) P I FHWA 80%	15. 72000 (as amended September 2011)
16- Section 5303 Local 10%	16. 1500
17- Section 5303 NCDOT 10%	17. 1500
18- Section 5303 FTA 80%	18. 12000
19- Section 5307 Transit - Local 10%	19.
20- Section 5307 Transit - NCDOT 10%	20.
21- Section 5307 Transit - FTA 80%	21.
22- Additional Funds - Local 100%	22.

FTA TASK NARRATIVE TABLE

HEADING	MPO RESPONSE
1- MPO	1. Mecklenburg-Union
2 -FTA Code	2. 44.23.01
3- Task Code	3. III-3
4- Title	4. Travel Model Updates
5- Task Objective	5. Funds expended in this category will be devoted to the following annual model maintenance tasks: 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. Sub-tasks will be outlined in the FY12 Metrolina Regional Travel Demand Model Work Plan. Also, Consultant services will be used to continue refinements and improvements to the Transit Mode of the Travel Demand Model. Travel forecasts and ridership projections for use in updating the Transit Corridor System Plan and in general Transit System Planning will also be performed.
6 - Tangible Product Expected	6. Improvements and maintenance of the Metrolina Regional Travel Demand Model.
7- Expected Completion	7. June 2012
8 - Previous Work	8. Work in this category conducted in previous years was similar as that described above-the maintenance and updating of the model is an ongoing task.
9 - Prior FTA Funds	9. 133672
10 - Relationship	10. Work to be conducted by the Charlotte Area Transit System (CATS) to update its corridor system plan.
11 -Agency	11. Charlotte Department of Transportation
12- HPR - Highway - NCDOT 20%	12.
13- HPR - Highway - F11WA 80%	13.
14- Section 104 (f) PI, Local 20%	14. 32600
15- Section 104 (f) P I FHWA 80%	15. 130400 (as amended September 2011)
16- Section 5303 Local 10%	16. 16709
17- Section 5303 NCDOT 10%	17. 16709
18- Section 5303 FTA 80%	18. 133672
19- Section 5307 Transit - Local 10%	19.
20- Section 5307 Transit - NCDOT 10%	20.
21- Section 5307 Transit - FTA 80%	21.
22- Additional Funds - Local 100%	22.

FTA TASK NARRATIVE TABLE

HEADING	MPO RESPONSE
1- MPO	1. Mecklenburg-Union
2 -FTA Code	2. 44.23.01
3- Task Code	3. III-4
4- Title	4. Travel Surveys
5- Task Objective	5. The objective of the data collection effort is to provide a statistically valid observation of the unique travel demand in the Metrolina Region for all modes of travel.
6 - Tangible Product Expected	6. The survey will gather household- and person-level travel data, such as the number, length, and purpose of trips, as well as other trip details including mode of transportation and the time of day each trip.
7- Expected Completion	7. June 2012
8 - Previous Work	8. Similar work was funded in FY 2011.
9 - Prior FTA Funds	9. 23200
10 - Relationship	10. This work is related to the development of the long range transportation plan.
11 -Agency	11. Charlotte Department of Transportation
12- HPR - Highway - NCDOT 20%	12.
13- HPR - Highway - F11WA 80%	13.
14- Section 104 (f) PI, Local 20%	14. 5750
15- Section 104 (f) P I FHWA 80%	15. 23000
16- Section 5303 Local 10%	16. 2900
17- Section 5303 NCDOT 10%	17. 2900
18- Section 5303 FTA 80%	18. 23200
19- Section 5307 Transit - Local 10%	19.
20- Section 5307 Transit - NCDOT 10%	20.
21- Section 5307 Transit - FTA 80%	21.
22- Additional Funds - Local 100%	22.

FTA TASK NARRATIVE TABLE

HEADING	MPO RESPONSE
1- MPO	1. Mecklenburg-Union
2 -FTA Code	2. 44.23.01
3- Task Code	3. III-6
4- Title	4. Forecasts of Future Travel Patterns
5- Task Objective	5. The objective of this task is the various applications of the regional travel demand model including but not limited to traditional highway travel forecasts, managed lanes forecasts, and transit corridor forecasts
6 - Tangible Product Expected	6. Payment of maintenance fees and purchase of hardware for the Metrolina Regional Travel Demand Model; highway travel and transit forecasts.
7- Expected Completion	7. June 2012
8 - Previous Work	8. Similar to that described above.
9 - Prior FTA Funds	9. 0
10 - Relationship	10. Development of an updated long range transportation plan; work on the CATS corridor system plan; implementation of managed lanes in the region.
11 -Agency	11. Charlotte Department of Transportation
12- HPR - Highway - NCDOT 20%	12.
13- HPR - Highway - F11WA 80%	13.
14- Section 104 (f) PI, Local 20%	14. 13500
15- Section 104 (f) P I FHWA 80%	15. 54000
16- Section 5303 Local 10%	16. 3750
17- Section 5303 NCDOT 10%	17. 3750
18- Section 5303 FTA 80%	18. 30000
19- Section 5307 Transit - Local 10%	19.
20- Section 5307 Transit - NCDOT 10%	20.
21- Section 5307 Transit - FTA 80%	21.
22- Additional Funds - Local 100%	22.

FTA TASK NARRATIVE TABLE

HEADING	MPO RESPONSE
1- MPO	1. Mecklenburg-Union
2 -FTA Code	2. 44.23.01
3- Task Code	3. IV-3
4- Title	4. Transit Element of the LRTP
5- Task Objective	5. Update of the transit Corridor System Plan.
6 - Tangible Product Expected	6. Evaluation of ridership forecasts, development/refinement of financial projections; monitoring of existing services and trends; public outreach.
7- Expected Completion	7. June 2012
8 - Previous Work	8. Work similar to that described above.
9 - Prior FTA Funds	9. 120000
10 - Relationship	10.
11 -Agency	11. Charlotte Area Transit System
12- HPR - Highway - NCDOT 20%	12.
13- HPR - Highway - F11WA 80%	13.
14- Section 104 (f) PI, Local 20%	14.
15- Section 104 (f) P I FHWA 80%	15.
16- Section 5303 Local 10%	16. 15000
17- Section 5303 NCDOT 10%	17. 15000
18- Section 5303 FTA 80%	18. 120000
19- Section 5307 Transit - Local 10%	19.
20- Section 5307 Transit - NCDOT 10%	20.
21- Section 5307 Transit - FTA 80%	21.
22- Additional Funds - Local 100%	22.

FTA TASK NARRATIVE TABLE

HEADING	MPO RESPONSE
1- MPO	1. Mecklenburg-Union
2 -FTA Code	2. 44.25.00
3- Task Code	3. V-4
4- Title	4. Transportation Improvement Program
5- Task Objective	5. Work associated with, but not limited to, completing work on the 2012-2018 TIP, processing amendments to the TIP and work with NCDOT's Strategic Prioritization of Transportation (SPOT) office.
6 - Tangible Product Expected	6. Inputs into the SPOT database; an adopted TIP; the processing of TIP amendments.
7- Expected Completion	7. June 2012
8 - Previous Work	8. Work similar to that described above.
9 - Prior FTA Funds	9. 10000
10 - Relationship	10.
11 -Agency	11. Charlotte Area Transit System
12- HPR - Highway - NCDOT 20%	12.
13- HPR - Highway - F11WA 80%	13.
14- Section 104 (f) PI, Local 20%	14. 8700
15- Section 104 (f) P I FHWA 80%	15. 34800
16- Section 5303 Local 10%	16. 1250
17- Section 5303 NCDOT 10%	17. 1250
18- Section 5303 FTA 80%	18. 10000
19- Section 5307 Transit - Local 10%	19.
20- Section 5307 Transit - NCDOT 10%	20.
21- Section 5307 Transit - FTA 80%	21.
22- Additional Funds - Local 100%	22.

FTA TASK NARRATIVE TABLE

HEADING	MPO RESPONSE
1- MPO	1. Mecklenburg-Union
2 -FTA Code	2. 44.21.00
3- Task Code	3. VI-12
4- Title	4. Management & Operations
5- Task Objective	5. Management of the MUMPO's essential functions.
6 - Tangible Product Expected	6. Management of transit-related matters related to MUMPO, e.g. processing of transit TIP and LRTP amendments.
7- Expected Completion	7. June 2012
8 - Previous Work	8. Work similar to that described above, e.g. Charlotte Streetcar TIP and LRTP amendment and conformity determination.
9 - Prior FTA Funds	9. 16824
10 - Relationship	10.
11 -Agency	11. Charlotte-Mecklenburg Planning Department, Charlotte Area Transit System, Charlotte Department of Transportation
12- HPR - Highway - NCDOT 20%	12.
13- HPR - Highway - F11WA 80%	13.
14- Section 104 (f) PI, Local 20%	14. 38500
15- Section 104 (f) P I FHWA 80%	15. 154000 (as amended September 2011)
16- Section 5303 Local 10%	16. 2103
17- Section 5303 NCDOT 10%	17. 2103
18- Section 5303 FTA 80%	18. 16824
19- Section 5307 Transit - Local 10%	19.
20- Section 5307 Transit - NCDOT 10%	20.
21- Section 5307 Transit - FTA 80%	21.
22- Additional Funds - Local 100%	22.

Mecklenburg-Union Urban Area
FY 2012 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%					
II. CONTINUING TRANSPORTATION PLANNING		\$0	\$0	\$94,092	\$376,367	\$1,500	\$1,500	\$12,000	\$67,500	\$270,000	\$0	\$163,092	\$1,500	\$658,367	\$822,959
II-1	Traffic Volume Counts	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$37,500	\$150,000	\$0	\$37,500	\$0	\$150,000	\$187,500
II-4	Traffic Accidents	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$17,500	\$70,000	\$0	\$17,500	\$0	\$70,000	\$87,500
II-6	Dwelling Unit, Population & Employment Change	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$12,500	\$50,000	\$0	\$12,500	\$0	\$50,000	\$62,500
II-9	Travel Time Studies	\$0	\$0	\$18,000	\$72,000	\$1,500	\$1,500	\$12,000	\$0	\$0	\$0	\$19,500	\$1,500	\$84,000	\$105,000
II-10	GIS Analysis & Mapping	\$0	\$0	\$76,092	\$304,367	\$0	\$0	\$0	\$0	\$0	\$0	\$76,092	\$0	\$304,367	\$380,459
II-12	Bicycle & Pedestrian Facilities Inventory	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III. TRAVEL DEMAND MODEL		\$0	\$0	\$98,900	\$395,600	\$23,359	\$23,359	\$186,872	\$21,750	\$87,000	\$0	\$144,009	\$23,359	\$669,472	\$836,840
III-1	Collection of Base Year Data	\$0	\$0	\$36,050	\$144,200	\$0	\$0	\$0	\$0	\$0	\$0	\$36,050	\$0	\$144,200	\$180,250
III-2	Collection of Network Data	\$0	\$0	\$7,000	\$28,000	\$0	\$0	\$0	\$0	\$0	\$0	\$7,000	\$0	\$28,000	\$35,000
III-3	Travel Model Updates	\$0	\$0	\$32,600	\$130,400	\$16,709	\$16,709	\$133,672	\$21,750	\$87,000	\$0	\$71,059	\$16,709	\$351,072	\$438,840
III-4	Travel Surveys	\$0	\$0	\$5,750	\$23,000	\$2,900	\$2,900	\$23,200	\$0	\$0	\$0	\$8,650	\$2,900	\$46,200	\$57,750
III-5	Forecast of Data to Horizon Years	\$0	\$0	\$4,000	\$16,000	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000	\$0	\$16,000	\$20,000
III-6	Forecasts of Future Travel Patterns	\$0	\$0	\$13,500	\$54,000	\$3,750	\$3,750	\$30,000	\$0	\$0	\$0	\$17,250	\$3,750	\$84,000	\$105,000
IV. LONG-RANGE TRANSPORTATION PLANNING		\$0	\$0	\$18,000	\$72,000	\$15,000	\$15,000	\$120,000	\$31,250	\$125,000	\$0	\$64,250	\$15,000	\$317,000	\$396,250
IV-1	Community Goals & Objectives	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,250	\$125,000	\$0	\$31,250	\$0	\$125,000	\$156,250
IV-2	Highway Element of LRTP	\$0	\$0	\$10,000	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0	\$40,000	\$50,000
IV-3	Transit Element of LRTP	\$0	\$0	\$0	\$0	\$15,000	\$15,000	\$120,000	\$0	\$0	\$0	\$15,000	\$15,000	\$120,000	\$150,000
IV-7	Rail Element of LRTP	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
IV-8	Freight Movement/Mobility Element of LRTP	\$0	\$0	\$4,000	\$16,000	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000	\$0	\$16,000	\$20,000
IV-9	Financial Planning	\$0	\$0	\$4,000	\$16,000	\$0	\$0	\$0	\$0	\$0	\$0	\$4,000	\$0	\$16,000	\$20,000
V. CONTINUING PROGRAMS		\$0	\$0	\$12,450	\$49,800	\$1,250	\$1,250	\$10,000	\$45,000	\$180,000	\$0	\$58,700	\$1,250	\$239,800	\$299,750
V-1	Congestion Management Strategies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$45,000	\$180,000	\$0	\$45,000	\$0	\$180,000	\$225,000
V-2	Air Quality/Conformity Analysis	\$0	\$0	\$2,500	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500	\$0	\$10,000	\$12,500
V-3	Planning Work Program	\$0	\$0	\$1,250	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$1,250	\$0	\$5,000	\$6,250
V-4	Transportation Improvement Program	\$0	\$0	\$8,700	\$34,800	\$1,250	\$1,250	\$10,000	\$0	\$0	\$0	\$9,950	\$1,250	\$44,800	\$56,000
VI. ADMINISTRATION		\$0	\$0	\$160,250	\$641,000	\$2,103	\$2,103	\$16,824	\$34,500	\$138,000	\$0	\$196,853	\$2,103	\$795,824	\$994,780
VI-2	Environmental Justice	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
VI-6	Public Involvement	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
VI-9	Environ. Analysis & Pre-TIP Planning	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
VI-10	Corridor Protection and Special Studies	\$0	\$0	\$119,250	\$477,000	\$0	\$0	\$0	\$34,500	\$138,000	\$0	\$153,750	\$0	\$615,000	\$768,750
VI-11	Regional or Statewide Planning	\$0	\$0	\$2,500	\$10,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,500	\$0	\$10,000	\$12,500
VI-12	Management and Operations	\$0	\$0	\$38,500	\$154,000	\$2,103	\$2,103	\$16,824	\$0	\$0	\$0	\$40,603	\$2,103	\$170,824	\$213,530
TOTALS		\$0	\$0	\$383,692	\$1,534,767	\$43,212	\$43,212	\$345,696	\$200,000	\$800,000	\$0	\$626,904	\$43,212	\$2,680,463	\$3,350,579

**MECKLENBURG - UNION
METROPOLITAN PLANNING ORGANIZATION
FY 12 UPWP PL FUNDS (80 percent portion)**

TASK CODE	TASK DESCRIPTION	AGENCY OR JURISDICTION				Meckenburg	Union	Charlotte	Matt/Stall	TOTAL
		CDOT	C-MPC	Cornelius	Huntersville					
II. Continuing Transportation		\$342,000	\$304,367	\$0	\$0	\$0	\$0	\$0	\$0	\$646,367
II-1	Traffic Volume Counts	\$150,000								\$150,000
II-3	Street System Changes	\$0								\$0
II-4	Traffic Accidents	\$70,000								\$70,000
II-6	Dweling Unit, Pop. & Emplymnt Change	\$50,000								\$50,000
II-8	Vehicle Occupancy Rates	\$0								\$0
II-9	Travel Time Studies	\$72,000								\$72,000
II-10	GIS Analysis & Mapping	\$0	\$304,367							\$304,367
II-11	Parking Inventory	\$0								\$0
II-12	Bicycle & Pedestrian Facilities Inventory	\$0								\$0
III. Travel Demand Model		\$482,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$482,600
III-1	Collection Base Year Data	\$144,200								\$144,200
III-2	Collection of Network Data	\$28,000								\$28,000
III-3	Travel Model Updates	\$217,400								\$217,400
III-4	Travel Surveys	\$23,000								\$23,000
III-5	Forecast of Data to Horizon Years	\$16,000								\$16,000
III-6	Forecast of Future Travel Patterns	\$54,000								\$54,000
IV. Long-Range Transportation Plan		\$197,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$197,000
IV-1	Community Goals & Objectives	\$125,000								\$125,000
IV-2	Highway Element of the LRTP	\$40,000								\$40,000
IV-3	Transit Element of the LRTP	\$0								\$0
IV-7	Rail Element of the LRTP	\$0								\$0
IV-8	Freight Movement/Mobility Elem of LRTP	\$16,000								\$16,000
IV-9	Financial Planning	\$16,000								\$16,000
V. Continuing Programs		\$49,800	\$180,000	\$0	\$0	\$0	\$0	\$0	\$0	\$229,800
V-1	Congestion Management Strategies	\$0	\$180,000							\$180,000
V-2	Air Quality/Conformity Analysis	\$10,000								\$10,000
V-3	Planning Work Program	\$5,000								\$5,000
V-4	TIP	\$34,800								\$34,800
VI. Administration		\$35,400	\$129,000	\$26,600	\$28,000	\$28,000	\$100,000	\$406,000	\$26,000	\$779,000
VI-2	Environmental Justice									\$0
VI-6	Public Involvement									\$0
VI-9	Environ Analysis & Pre-TIP Planning									\$0
VI-10	Corridor Protection & Special Studies	\$400		\$26,600	\$28,000	\$28,000	\$100,000	\$406,000	\$26,000	\$615,000
VI-11	Regional or Statewide Planning	\$10,000								\$10,000
VI-12	Management and Operations	\$25,000	\$129,000							\$154,000
TOTALS		\$1,106,800	\$613,367	\$26,600	\$28,000	\$28,000	\$100,000	\$406,000	\$26,000	\$2,334,767

Approved 5-18-11
Amended 9-21-11

Anticipated DBE Contracting Opportunities for FY2012

Name of MPO: Mecklenburg-Union_____

Check here if there are no anticipated DBE opportunities

Person Completing Form: Robert Cook

Telephone Number: area code (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

► **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.

Mecklenburg-Union Metropolitan Planning Organization

Task Descriptions

FY 12 Unified Planning Work Program

The following provides descriptions of the work proposed to be performed during Fiscal Year 2012.

II Continuing Transportation

II-1 Traffic Volume Counts

Funds allocated in this category will support collecting, processing, and analyzing traffic volume count data to support the travel demand model. Specifically, the following tasks will be conducted:

- 48 hour volume data will be collected at 550 – 700 model locations
- Vehicle occupancy studies for traffic entering CBD
- Turning movement count data at signalized intersections (used as a back check and additional layer of quality control for the model)
- Vehicle classification studies
- Travel time studies
- Pursuit of six permanent count station locations

Funding source: PL Funds: STP-DA supplement

II-4 Traffic Accidents

PL funds will be used to process and analyze police crash reports. The accident data will be used to analyze streets and intersections to support project development (long range projects and spot safety improvements).

Funding source: PL Funds: STP-DA supplement

II-6 Dwelling Unit, Population & Employment Changes

Funds in this category will support land development review and coordination activities.

Funding source: PL Funds: STP-DA supplement

II-9 Travel Time Studies

The funds will be used to update historical travel time data and dynamic route travel times. The data will be used to calculate average travel times and speeds along major corridors; to calibrate the modeled speeds; and to monitor congestion for MUMPO's CMP.

September 2011 amendment: Update to travel time data.

Funding sources: PL Funds: STP-DA supplement and Section 5303

II-10 GIS Analysis & Mapping

Funds in this category will be applied to completing

- updates and improvements to the transportation database; and
- updates to current land use information.

September 2011 amendment: interactive GIS mapping of transportation projects for MPU website and technology upgrade to support Research staff for Census-related tasks (e.g., urban area boundary expansion).

Funding source: PL Funds: STP-DA supplement

III Travel Demand Model

III-1 Collection of Base Year Data

Mecklenburg-Union Metropolitan Planning Organization

Task Descriptions

FY 12 Unified Planning Work Program

Data including but not limited to population, households, mean income, employment, and school enrollment will be collected. This information is one of the primary inputs into the Metrolina Regional Travel Demand Model. Collection of this data is expected to be outsourced to a contractor. Sources for the data include, but are not limited to, the 2010 Census, InfoGroup, Dun & Bradstreet, and telephone surveys (to be outsourced to a contractor).

Funding source: PL Funds

III-2 Collection of Network Data

Roadway network data and transit route data including but not limited to posted speed limits, number of lanes, traffic signal locations, route locations, headways, park and ride lot locations, and parking costs will be collected by staff.

Funding source: PL Funds

Vehicle classification counts will be collected by an outside contractor. Vehicle classification counts provide data necessary for model calibration and validation. Data provided includes number of vehicles by type and time of day as well as point location speed of each vehicle.

Funding source: PL Funds

III-3 Travel Model Updates

CATS & CDOT: Funds expended in this category will be devoted to the following annual model maintenance tasks: 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. Sub-tasks will be outlined in the FY12 Metrolina Regional Travel Demand Model Work Plan. Also, Consultant services will be used to continue refinements and improvements to the Transit Mode of the Travel Demand Model. Travel forecasts and ridership projections for use in updating the Transit Corridor System Plan and in general Transit System Planning will also be performed.

September 2011 amendment: technology upgrade for Metrolina regional travel demand model staff and model storage.

Funding source: PL Funds: STP-DA supplement & Section 5303 Funds

III-4 Travel Survey

A household travel survey will continue be conducted by an outside contractor during FY12. The objective of the data collection effort is to provide a statistically valid observation of the unique travel demand in the Metrolina Region for all modes of travel. This information will be the basis for the design, estimation, and calibration of a set of region-wide travel demand models used to project future demand for travel in the region. The survey gathers household- and person-level travel data, such as the number, length, and purpose of trips, as well as other trip details including mode of transportation and the time of day each trip.

Funding will also be used for additional technical services needed to aid in the:

Mecklenburg-Union Metropolitan Planning Organization

Task Descriptions

FY 12 Unified Planning Work Program

- Development of the scope of services for the surveys, including but not limited to the household travel survey
- Analysis of survey data
- Updates to the trip generation program
- Updates to the trip distribution program

Funding sources: PL Funds & Section 5303 Funds

III-5 Forecast of Data to Horizon Years

Funding will be used to update the county level economic and demographic totals. This will provide needed information for verifying the aggregated TAZ level base year data and developing TAZ level future year projections. This task will be performed by an outside contractor.

Funding source: PL Funds

III-6 Forecasts of Future Travel Patterns

This task covers the various applications of the regional travel demand model including but not limited to traditional highway travel forecasts, managed lanes forecasts, and transit corridor forecasts.

State of the practice hardware and software are a necessity for this task. As such, funding for the following is also included:

- TransCAD maintenance fees for licenses-\$7,000
- TransModeler maintenance fees for licenses-\$3,000
- VISSIM maintenance fees for licenses-\$2,000
- Sustainable hardware for the Metrolina Regional Travel Demand Model-\$4,000

Funding sources: PL Funds, PL Funds: STP-DA supplement & Section 5303 Funds

IV Long-Range Transportation Plan

IV-1 Community Goals & Objectives

Planned work:

- Extend the Mecklenburg County land use-transportation-emissions model into Union County and Mooresville/southern Iredell County
- Develop goals and objectives for the updated LRTP

Funding source: PL Funds: STP-DA supplement

IV-2 Highway Element

Work in this category will focus on:

- Assessing the effectiveness of the current roadway project ranking methodology
- If necessary, updating and/or preparing a new roadway project ranking methodology

Funding source: PL Funds

IV-3 Transit Element

CATS will continue to monitor and update the Transit Corridor System Plan including: evaluation of ridership forecasts, developing/refining financial projections, monitoring existing services and trends, and communicating to the public.

Funding source: 5303 Funds

Mecklenburg-Union Metropolitan Planning Organization

Task Descriptions

FY 12 Unified Planning Work Program

IV-8 Freight Movement/Mobility Element

Efforts in this category will be directed to improving MUMPO's outreach to freight transportation providers. Additional resources may be needed if the region elects to pursue a freight planning study.

Funding source: PL Funds

IV-9 Financial Planning

Funding will support preliminary financial planning efforts.

Funding source: PL Funds

V Continuing Programs

V-1 Congestion Management Strategies

MUMPO will begin work on an update to its congestion management process.

Funding source: PL Funds: STP-DA supplement

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 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 is anticipated during FY 12.
- Preparation of the air quality conformity determination report.

Funding source: PL Funds

V-3 Planning Work Program

Funds in this category will be used in the annual preparation of UPWP and the previous fiscal year's annual report.

Funding source: PL Funds

V-4 Transportation Improvement Program

Work associated with, but not limited to, completing work on the 2012-2018 TIP, processing amendments to the TIP and work with NCDOT's Strategic Prioritization of Transportation (SPOT) office.

Funding source: PL Funds & Section 5303 Funds

VI Administration

VI-2 Environmental Justice

MUMPO will continue to refine its plan to reach out to environmental justice communities through a series of efforts including, but not limited to, the following:

- Preparation of educational material explaining the transportation planning process
- Working with focus groups

Mecklenburg-Union Metropolitan Planning Organization

Task Descriptions

FY 12 Unified Planning Work Program

- Development of a project impact evaluation methodology
- Development of a public outreach planning process manual

Funding for this work is allocated in task code VI-12, Management & Operations.

Funding source: PL Funds

VI-6 Public Involvement

MUMPO is committed to meaningful public participation in the regional transportation planning process and undertakes a variety of efforts each fiscal year that require outreach to the public. These efforts include, but are not limited to, the following:

- Long Range Transportation Plan (LRTP),
- Transportation Improvement Program (TIP)
- Unified Planning Work Program (UPWP)
- Comprehensive Transportation Plan (CTP)
- Corridor studies
- Participation in public events sponsored by other agencies

Funding for this work is allocated in task code VI-12, Management & Operations.

Funding source: PL Funds

VI-9 Environmental Analysis & Pre-TIP Planning

Work in this category will focus on preparation of the Comprehensive Transportation Plan (CTP).

Funding for this work is allocated in task code VI-12, Management & Operations.

Funding source: PL Funds-STP-DA supplement

VI-10 Corridor Protection & Special Studies

Funds will support:

1. PL local transportation planning efforts:
 - Cornelius: \$1600 to support to TCC and Cornelius' Transportation Advisory Board.
 - Huntersville: \$28,000 to continue the Town's traffic count program, preparation of a pedestrian plan focused on future transit station areas, continuation of a connectivity study, work on a I-77/NC 73 interchange modification study and support of the MPO process.
 - Mecklenburg County: \$28,000 for the preparation of regional corridor bike lane/trail plan along the Red Line commuter rail corridor. Cornelius, Davidson, Huntersville and Charlotte are partners in this project.
 - Union County: \$80,000 for a US 74 corridor revitalization study. Stallings, Indian Trail and Monroe are partners in this project.
2. Various projects (performed in-house or by consultants) to define conceptual alignments of proposed Thoroughfare Plan roadway extensions or realignments
3. Assessment of urbanized area boundary changes on MUMPO
4. Other projects as recommended by the TCC

September 2011 amendment: support for local transportation planning projects:

- Matthews & Stallings: \$26,000 to support the development of a local transportation plan. (This is a continuation of a project funded in FY 11.)

Mecklenburg-Union Metropolitan Planning Organization

Task Descriptions

FY 12 Unified Planning Work Program

- Union County: \$20,000 in additional funding for the US 74 corridor revitalization study. \$80,000 was allocated to this project when the FY 12 UPWP was approved in May, 2011.
- Charlotte: \$100,000 for a study to determine the appropriate classifications and cross-sections of Brookshire Boulevard and W.T. Harris Boulevard; \$230,000 for a comprehensive evaluation of the I-277 loop; \$76,000 for a feasibility study of constructing a grade separation at Old Dowd Road and the Norfolk Southern Railroad.
- Cornelius: \$25,000 to evaluate the transportation and land use needs in the vicinity of the Exit 28/I-77 interchange. This interchange is the subject of a TIP project (I-4733) to convert the existing diamond design to a diverging diamond design.

Funding sources: PL Funds: STP-DA supplement

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
- Activities associated with the NC Association of MPOs
- Implementation of recommendations of the Centralina COG regional transportation planning study.

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

September 2011 amendment: improvements to MPO website.

Funding source: PL Funds & Section 5303 Funds

RESOLUTION

**CERTIFYING THE TRANSPORTATION PLANNING PROCESS OF THE
MECKLENBURG-UNION METROPOLITAN PLANNING ORGANIZATION
FOR FY 2011**

WHEREAS, the Mecklenburg-Union Metropolitan Planning Organization has found that it is conducting transportation planning in a continuous, cooperative, and comprehensive manner in accordance with 23 USC 134 and 49 USC 1607; and

WHEREAS, the Mecklenburg-Union Metropolitan Planning Organization has found the transportation planning process to be in compliance with Sections 174 and 176 (c) and (d) of the Clean Air Act (42 USC 7504, 7506 (c) and (d)); and

WHEREAS, the Mecklenburg-Union Metropolitan Planning Organization 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 USC 324 and 29 USC 794; and

WHEREAS, the Mecklenburg-Union Metropolitan Planning Organization has considered how the transportation planning process will affect the involvement of Disadvantaged Business Enterprises in FHWA and FTA funded planning projects (Section 105(f), Pub. L. 97-424, 96 Stat. 2100, 49 CFR part 23); and

WHEREAS, the Mecklenburg-Union Metropolitan Planning Organization has considered how the transportation planning process will affect the elderly and disabled per the provision of the Americans With Disabilities Act of 1990 (Pub. L. 101-336, 104 Stat. 327, as amended) and the US DOT implementing regulations; and

WHEREAS, the Mecklenburg-Union Metropolitan Transportation Improvement Program is a subset of the currently conforming 2035 Long-Range Transportation Plan; and


WHEREAS, the 2035 Long-Range Transportation Plan has a planning horizon year of 2035 and meets all the requirements of an adequate Transportation Plan.

NOW THEREFORE BE IT RESOLVED that the Mecklenburg-Union Metropolitan Planning Organization certifies its transportation planning process on this the 18th day of May, 2011.

I, Ted Biggers, MUMPO Chairman, 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 the 18th day of May, 2011.



Ted Biggers, Chairman



Robert W. Cook, Secretary