



charlotte regional transportation planning organization

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March 30, 2017

Debra G. Collins, Director  
Public Transportation Division  
N.C. Department of Transportation  
1550 Mail Service Center  
Raleigh, NC 27699-1550

Dear Ms. Collins:

Attached for approval is the Charlotte Regional Transportation Planning Organization's Unified Planning Work Program (UPWP) for FY 2018. 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 Federal Transit Administration (FTA) grant amount requested is \$444,800. This is the FY 2017 amount, and was the amount known to the CRTPO at the time of the UPWP's adoption on March 15, 2017. The UPWP will be amended once the final FY 2018 amount is provided to us. Section 5303 funds will be matched with local funds in the amount of \$55,600. The local match will be provided by the City of Charlotte. The Charlotte Department of Transportation is the designated grant recipient for Section 5303 grant funds.

Please note that the FY 2018 UPWP programs a total of \$595,634 (Federal) of previously unobligated Planning (PL) funds.

Sincerely:

A handwritten signature in black ink that reads "Robert W. Cook". The signature is written in a cursive, slightly slanted style.

Robert W. Cook, AICP  
Secretary

cc: Jamal Alavi, P.E, Transportation Planning Branch  
Dr. Yvette G. Taylor, FTA Region IV Administrator  
Bonetta Rogers, Public Transportation Division  
John A. Bailey, Transportation Planning Branch  
Jayne Peterson, Charlotte Department of Transportation



# **FY 2018 Unified Planning Work Program**

**Approved by the  
Charlotte Regional  
Transportation Planning Organization  
March 15, 2017**

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**RESOLUTION**

**APPROVING  
THE FY 2018 UNIFIED PLANNING WORK PROGRAM  
OF THE  
CHARLOTTE REGIONAL  
TRANSPORTATION PLANNING ORGANIZATION**

A motion was made by MPO Member Frederick Beckey and seconded by MPO Member Beth Cashion 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 Charlotte Regional Transportation Planning Organization; and

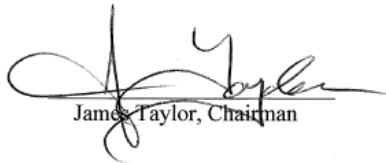
WHEREAS, the City of Charlotte has been designated as the recipient of Federal Transit Administration Metropolitan Planning Program funds; and

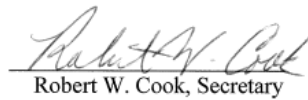
WHEREAS, members of the Charlotte Regional Transportation Planning Organization agree that the Unified Planning Work Program will effectively advance transportation planning for FY 2018; and

NOW, THEREFORE BE IT RESOLVED that the Charlotte Regional Transportation Planning Organization hereby endorses the FY 2018 Unified Planning Work Program.

\*\*\*\*\*

I, James Taylor, Chairman of the Charlotte Regional Transportation 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 Charlotte Regional Transportation Planning Organization, duly held on this the 15<sup>th</sup> day of March, 2017.

  
James Taylor, Chairman

  
Robert W. Cook, Secretary

## *Unified Planning Work Program (UPWP): Overview*

Federal laws and regulations require the formation of a Metropolitan Planning Organization (MPO) for each urbanized area with a population of more than 50,000 to coordinate a comprehensive, coordinated and continuing transportation planning program. The Charlotte Regional Transportation Planning Organization (CRTPO) is the designated MPO for the Charlotte urbanized area, and conducts the metropolitan planning process in Iredell, Mecklenburg and Union counties.

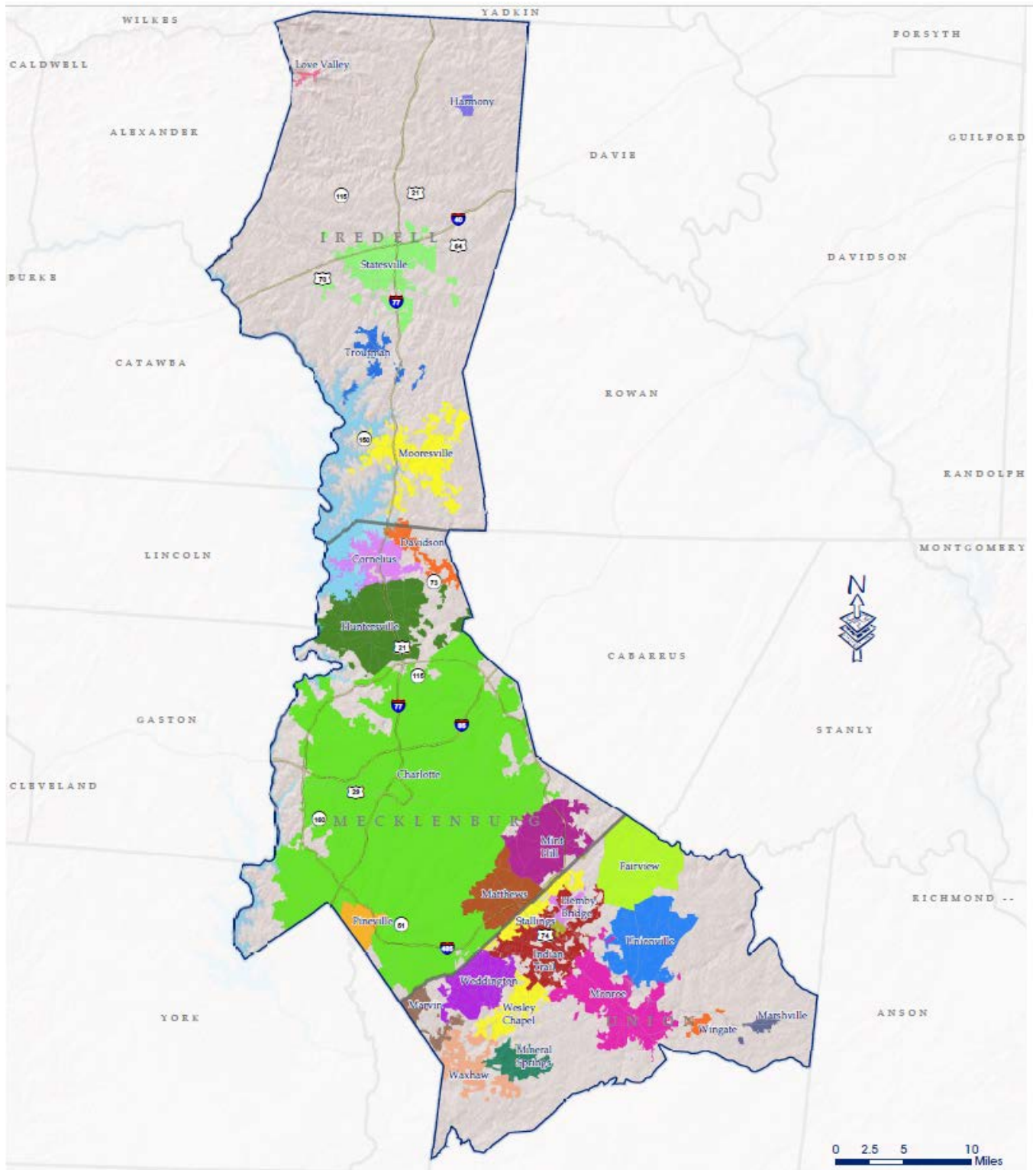
The Unified Planning Work Program (UPWP) is a listing of the projects, priorities and works tasks the CRTPO will undertake during the fiscal year using funding provided from Federal, State, and local sources. It reflects the CRTPO's short-range planning needs and provides details on funding sources, agencies responsible for completing the described work, and the expected products of that work.

The UPWP is the instrument for coordinating metropolitan planning activities in the CRTPO's planning area. The primary objective is to develop an integrated planning program, which considers the planning activities of each mode of transportation and coordinates these activities to produce a plan that serves all areas of the region. The UPWP is developed using the Metropolitan Transportation Plan (MTP) as the CRTPO's planning guidance document.

Most of the tasks outlined in the UPWP are required by either State or Federal law and are ongoing. At the Federal level, these include the development of the fiscally-constrained MTP, the Transportation Improvement Program (TIP), and implementation of the Congestion Management Process (CMP). At the State level, NC General Statute 136-66.2 requires that each MPO develop a Comprehensive Transportation Plan (CTP).

Funding for transportation planning is a product of Federal, State and local funding sources with the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) providing 80 percent of the funding for local planning. The remaining 20 percent is the required match for Federal funds and is provided primarily by local jurisdictions.

CRTPO Planning Area Map



***Common Acronyms***

CATS	Charlotte Area Transit System
CDOT	Charlotte Department of Transportation
CMAQ	Congestion Mitigation & Air Quality
CMGC	Charlotte-Mecklenburg Government Center
CMP	Congestion Management Process
CRAFT	Charlotte Regional Alliance for Transportation
CRTPO	Charlotte Regional Transportation Planning Organization
CTP	Comprehensive Transportation Plan
EJ	Environmental justice
EPA	Environmental Protection Agency
FAST Act	Fixing America’s Surface Transportation Act
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
GIS	Geographic information system
ITS	Intelligent transportation systems
LAP	Locally administered projects
MPO	Metropolitan Planning Organization
MTP	Metropolitan Transportation Plan
NCAMPO	North Carolina Association of Metropolitan Planning Organizations
NCDOT	North Carolina Department of Transportation
NCDOT-PTD	North Carolina Department of Transportation – Public Transportation Division
NCDOT-TPB	North Carolina Department of Transportation – Transportation Planning Branch
P5.0	Prioritization 5.0

***Common Acronyms cont'd.***

PL	Planning funds
SPOT	Strategic Planning Office of Transportation
STP-DA	Surface Transportation Block Grant Program Direct Attributable Funds
STIP	North Carolina State Transportation Improvement Program
TAP	Transportation Alternatives Program
TCC	Technical Coordinating Committee
TIP	Transportation Improvement Program
UPWP	Unified Planning Work Program



### Funding Sources & Summary

There are two primary sources of funds used to implement the metropolitan planning process through the UPWP.

1. Federal Funds
  - a. FWHA funds
    - i. Section 104(f) Planning funds, or PL funds
    - ii. Surface Transportation Program Block Grant-Direct Attributable, or STPG-DA
  - b. FTA funds
    - i. Section 5303

2. Local Match

The required local match for PL and STPG-DA funds is shared among municipal and county voting members on a per-capita basis as set forth in the CRTPO’s Memorandum of Understanding (MOU). Member jurisdictions that use these funds to support local transportation planning initiatives are responsible for the full 20% match. The local match of Section 5303 funds is shared between the City of Charlotte and the NCDOT.

The following summarizes the funds available for FY 2018.

Funding Source	Federal Funding	Local Match	Total
Planning (PL) funds	887,588	221,897	1,109,485
Surface Transportation Program Block Grant-Direct Attributable (STPG-DA)	800,000	200,000	1,000,000
Section 5303	444,800	111,200	556,000
Unobligated Balance*	595,634	148,909	744,543
<b>Total</b>	<b>2,728,022</b>	<b>682,006</b>	<b>3,410,028</b>

\* The Unobligated Balance consists of PL funds not used in previous fiscal years that are now available for allocation.

*Detailed Task List*

<b>Task Code</b>	<b>Task Description</b>	<b>Proposed Tasks</b>
<b>II. Continuing Transportation Planning</b>		
II-1	Traffic Volume Counts	<ul style="list-style-type: none"> <li>• CRTPO &amp; CDOT ongoing traffic count program in support of the travel demand model and other planning efforts</li> </ul>
II-10	GIS Analysis & Mapping	<ul style="list-style-type: none"> <li>• GIS analysis that supports the overall CRTPO planning process</li> </ul>
<b>III. Travel Demand Model</b>		
III-1	Collection of Base Year Data	<ul style="list-style-type: none"> <li>• Data will be collected in support of the CRTPO's annual socio-economic data update efforts</li> </ul>
III-3	Travel Model Updates	<ul style="list-style-type: none"> <li>• Model maintenance</li> <li>• Technical model services-highway focused</li> <li>• Technical model services-transit focused</li> <li>• Software &amp; hardware purchases and fees</li> <li>• Data management fees</li> </ul>
III-4	Travel Surveys	<ul style="list-style-type: none"> <li>• Acquire and analyze origin/destination data</li> </ul>
III-6	Forecasts of Future Travel Patterns	<ul style="list-style-type: none"> <li>• Various applications of the regional travel demand model including, but not limited to, traditional highway forecasts, managed lanes forecasts and transit corridor forecasts</li> </ul>
<b>IV. Long-Range Transportation Planning</b>		
IV-1	Community Goals & Objectives	<ul style="list-style-type: none"> <li>• Work associated with the development of the 2045 Metropolitan Transportation Plan (MTP)</li> </ul>
IV-2	Highway Element	<ul style="list-style-type: none"> <li>• Work associated with preparing ROW protection ordinances and related activities in support of the Comprehensive Transportation Plan (CTP)</li> </ul>
IV-3	Transit Element	<ul style="list-style-type: none"> <li>• Red Line study</li> <li>• West Corridor Study</li> <li>• Gateway Station master plan</li> </ul>
IV-4	Bicycle & Pedestrian Element	<ul style="list-style-type: none"> <li>• Support for the Bicycle &amp; Pedestrian Work Group</li> <li>• Tasks related to the development of the 2045 MTP</li> </ul>
IV-7	Rail Element	<ul style="list-style-type: none"> <li>• Tasks related to the development of the 2045 MTP</li> </ul>
IV-8	Freight Element	<ul style="list-style-type: none"> <li>• Support for the regional freight study</li> <li>• Tasks related to the development of the 2045 MTP</li> </ul>
IV-9	Financial Planning	<ul style="list-style-type: none"> <li>• Financial planning activities associated with SPOT and MTP development</li> </ul>
<b>V. Continuing Programs</b>		
V-1	Congestion Management Strategies	<ul style="list-style-type: none"> <li>• Update and implementation of the congestion management process (CMP)</li> <li>• Implementation of performance-based planning and performance measures</li> </ul>

V-2	Air Quality/Conformity Analysis	<ul style="list-style-type: none"> <li>• Work associated with two anticipated conformity analyses during FY 18</li> <li>• Support for CMAQ-related activities</li> </ul>
V-3	Planning Work Program	<ul style="list-style-type: none"> <li>• Preparation of the UPWP</li> <li>• Support for the UPWP Review Subcommittee</li> </ul>
V-4	Transportation Improvement Program	<ul style="list-style-type: none"> <li>• Development and updates to the TIP; work associated with P5.0</li> <li>• Support for the P5.0 Subcommittee</li> </ul>
<b>VI. Administration</b>		
VI-1	Title VI	<ul style="list-style-type: none"> <li>• Ensure that CRTPO meets its Title VI obligations; possible Title VI audit</li> </ul>
VI-2	Environmental Justice	<ul style="list-style-type: none"> <li>• Conduct environmental justice assessments of projects using Degree of Impact tool</li> </ul>
VI-6	Public Involvement	<ul style="list-style-type: none"> <li>• Various public outreach activities</li> <li>• Update Public Involvement Plan in response to certification review</li> </ul>
VI-8	Transportation Enhancement Planning	<ul style="list-style-type: none"> <li>• Implementation of the Transportation Alternatives Program (TAP) project selection process</li> </ul>
VI-9	Environ. Analysis & Pre-TIP Planning	<ul style="list-style-type: none"> <li>• Participation in the Merger 101 process; participation in project steering committees (e.g. U-5526 and I-5507); alignment assessment efforts; environmental document review</li> </ul>
VI-10	Corridor Protection & Special Studies	<ul style="list-style-type: none"> <li>• Local transportation planning projects                             <ul style="list-style-type: none"> <li>○ Transportation Corridor Studies (Charlotte) 100,000</li> <li>○ Cornelius East Connectivity &amp; Congestion Study (Cornelius) 97,500</li> <li>○ Davidson Mobility Plan (Davidson) 100,000</li> <li>○ Gilead Road West Corridor Study (Huntersville) 60,000</li> <li>○ North-South Parkway Sub-Area Study (Mooresville) 80,000</li> <li>○ Waxhaw-Marvin Road Corridor Study (Waxhaw) 50,000</li> <li>○ US 74 Marshville Corridor Study (Union County) 64,000</li> </ul> </li> <li>Total: 551,500</li> </ul>
VI-11	Regional or Statewide Planning	<ul style="list-style-type: none"> <li>• Participation in CRAFT and NCAMPO, as well as engagement with regional partners</li> </ul>
VI-12	Management & Operations	<ul style="list-style-type: none"> <li>• Support for the essential CRTPO activities including, but not limited to, policy board, TCC and Transportation Staff meeting support</li> <li>• Process improvement efforts</li> <li>• Internal service provider expenses (CMGC rent, telephone)</li> </ul>

### Local Transportation Planning Projects

Local Projects are transportation planning projects that use CRTPO funds but are administered by member jurisdictions. Funding support for the local projects comes from previously unobligated PL funds (unobligated balance). The project sponsor is responsible for the 20% local match.

Project Name	Project Description	Sponsor	CRTPO Funds	Local Match	Total
Transportation Corridor Studies	The City of Charlotte will study two undivided arterials that have four lanes and carry high traffic volumes, in order to determine the best options to improve the walking and bicycling network. Two corridors to be studied: N. Tryon St. (Old Concord Rd to 36th St.) and South Blvd. (New Bern Ave to Archdale Rd).	City of Charlotte	100,000	25,000	125,000
Cornelius East Connectivity & Study Congestion Study	The Town of Cornelius will analyze connectivity alternatives for better traffic management on the east side of Cornelius.	Town of Cornelius	97,500	24,375	121,875
Davidson Mobility Plan	The Town of Davidson will evaluate options to manage congestion, maintain or enhance mobility for citizens and identify modal options to avoid system gridlock.	Town of Davidson	100,000	25,000	125,000
Gilead Road West Corridor Study	The Town of Huntersville will examine the Gilead Road corridor from McCoy Road to Wynfield Creek Parkway.	Town of Huntersville	60,000	15,000	75,000
North-South Parkway Sub-Area Study	The Towns of Cornelius, Davidson, Huntersville and Mooresville will jointly analyze north-south connectivity east of NC 115.	Towns of Cornelius, Davidson, Huntersville, and Mooresville (fiscal agent for project)	80,000	20,000	100,000

*Local Transportation Planning Projects (cont'd)*

<p>Waxhaw-Marvin Road Corridor Study</p>	<p>The Waxhaw-Marvin Corridor Study will comprehensively look at the key north-south corridor to the west of NC 16, to achieve a safe, efficient, and sustainable transportation network. The goals of the study are to determine the most effective ways to relieve congestion, improve safety, and provide a balanced multimodal network for all users. Study limits are Bonds Grove Church Rd to Helms Rd.</p>	<p>Town of Waxhaw</p>	<p>50,000</p>	<p>12,500</p>	<p>62,500</p>
<p>US 74 Marshville Corridor Study</p>	<p>This project will be undertaken by Union County. The focus of the corridor study is to determine what types of improvements could best address access management and safety, while also accommodating pedestrian and facilitating the needs of downtown Marshville. This project was a recommendation of the Union County Critical Intersection Analysis, which was completed in June of 2016 with CRTPO funds.</p>	<p>Union County</p>	<p>64,000</p>	<p>16,000</p>	<p>80,000</p>

Funding Sources & Projects

Charlotte Regional Transportation Planning Organization  
 FY 2018 Unified Planning Work Program  
 Funding Sources and Projects  
 Approved March 15, 2017

TASK CODE	TASK DESCRIPTION	SEC. 104(f) PL Highway/Transit		SECTION 5303 Transit/Highway			STP-DA		TASK FUNDING SUMMARY			TOTAL
		LOCAL 20%	FHWA 80%	LOCAL 10%	NCDOT 10%	FTA 80%	LOCAL 20%	FHWA 80%	LOCAL	STATE	FEDERAL	
<b>II. CONTINUING TRANSPORTATION PLANNING</b>												
II-1	Traffic Volume Counts	\$44,500	\$178,000	\$0	\$0	\$0	\$0	\$0	\$44,500	\$0	\$178,000	\$222,500
II-4	Traffic Accidents	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
II-6	Dwelling Unit, Population & Employment Change	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
II-9	Travel Time Studies	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
II-10	GIS Analysis & Mapping	\$4,500	\$18,000	\$0	\$0	\$0	\$0	\$0	\$4,500	\$0	\$18,000	\$22,500
II-12	Bicycle & Pedestrian Facilities Inventory	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>III. TRAVEL DEMAND MODEL</b>												
III-1	Collection of Base Year Data	\$4,000	\$16,000	\$2,000	\$2,000	\$16,000	\$0	\$0	\$6,000	\$2,000	\$32,000	\$40,000
III-2	Collection of Network Data	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-3	Travel Model Updates	\$16,607	\$66,428	\$12,000	\$12,000	\$96,000	\$0	\$0	\$28,607	\$12,000	\$162,428	\$203,035
III-4	Travel Surveys	\$8,000	\$32,000	\$0	\$0	\$0	\$0	\$0	\$8,000	\$0	\$32,000	\$40,000
III-5	Forecast of Data to Horizon Years	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
III-6	Forecasts of Future Travel Patterns	\$21,250	\$85,000	\$7,500	\$7,500	\$60,000	\$0	\$0	\$28,750	\$7,500	\$145,000	\$181,250
<b>IV. LONG-RANGE TRANSPORTATION PLANNING</b>												
IV-1	Community Goals & Objectives	\$0	\$0	\$0	\$0	\$0	\$113,500	\$454,000	\$113,500	\$0	\$454,000	\$567,500
IV-2	Highway Element of LRTP	\$12,500	\$50,000	\$0	\$0	\$0	\$5,000	\$20,000	\$17,500	\$0	\$70,000	\$87,500
IV-3	Transit Element of LRTP	\$0	\$0	\$32,130	\$32,130	\$257,040	\$0	\$0	\$32,130	\$32,130	\$257,040	\$321,300
IV-4	Bicycle & Pedestrian Element LRTP	\$1,250	\$5,000	\$0	\$0	\$0	\$0	\$0	\$1,250	\$0	\$5,000	\$6,250
IV-7	Rail Element of LRTP	\$500	\$2,000	\$0	\$0	\$0	\$0	\$0	\$500	\$0	\$2,000	\$2,500
IV-8	Freight Movement/Mobility Element of LRTP	\$1,250	\$5,000	\$0	\$0	\$0	\$0	\$0	\$1,250	\$0	\$5,000	\$6,250
IV-9	Financial Planning	\$2,500	\$10,000	\$0	\$0	\$0	\$0	\$0	\$2,500	\$0	\$10,000	\$12,500
<b>V. CONTINUING PROGRAMS</b>												
V-1	Congestion Management Strategies	\$23,250	\$93,000	\$0	\$0	\$0	\$3,750	\$15,000	\$27,000	\$0	\$108,000	\$135,000
V-2	Air Quality/Conformity Analysis	\$5,000	\$20,000	\$1,250	\$1,250	\$10,000	\$5,000	\$20,000	\$11,250	\$1,250	\$50,000	\$62,500
V-3	Planning Work Program	\$5,500	\$22,000	\$0	\$0	\$0	\$0	\$0	\$5,500	\$0	\$22,000	\$27,500
V-4	Transportation Improvement Program	\$12,500	\$50,000	\$720	\$720	\$5,760	\$7,500	\$30,000	\$20,720	\$720	\$85,760	\$107,200
<b>VI. ADMINISTRATION</b>												
VI-1	Title VI	\$1,250	\$5,000	\$0	\$0	\$0	\$0	\$0	\$1,250	\$0	\$5,000	\$6,250
VI-2	Environmental Justice	\$1,250	\$5,000	\$0	\$0	\$0	\$0	\$0	\$1,250	\$0	\$5,000	\$6,250
VI-6	Public Involvement	\$5,000	\$20,000	\$0	\$0	\$0	\$12,500	\$50,000	\$17,500	\$0	\$70,000	\$87,500
VI-8	Transportation Enhancement Planning	\$1,250	\$5,000	\$0	\$0	\$0	\$1,250	\$5,000	\$2,500	\$0	\$10,000	\$12,500
VI-9	Environ. Analysis & Pre-TIP Planning	\$8,750	\$35,000	\$0	\$0	\$0	\$2,500	\$10,000	\$11,250	\$0	\$45,000	\$56,250
VI-10	Corridor Protection and Special Studies	\$137,875	\$551,500	\$0	\$0	\$0	\$5,000	\$20,000	\$142,875	\$0	\$571,500	\$714,375
VI-11	Regional or Statewide Planning	\$2,500	\$10,000	\$0	\$0	\$0	\$3,750	\$15,000	\$6,250	\$0	\$25,000	\$31,250
VI-12	Management and Operations	\$54,324	\$217,294	\$0	\$0	\$0	\$40,250	\$161,000	\$94,574	\$0	\$378,294	\$472,868
<b>TOTALS</b>		<b>\$370,806</b>	<b>\$1,483,222</b>	<b>\$55,600</b>	<b>\$55,600</b>	<b>\$444,800</b>	<b>\$200,000</b>	<b>\$800,000</b>	<b>\$626,406</b>	<b>\$55,600</b>	<b>\$2,728,022</b>	<b>\$3,410,028</b>

**Section 5303 Allocations**

Section 5303 funds are provided by the Federal Transit Administration (FTA). The CRTPO allocates these funds to support transit, and transit-related, planning activities. The table below provides information on FY 2018 Section 5303 funding levels and how the funds are allocated.

Task Code	Task Code Description	FTA	C- M Plan	CDOT	CATS	NCDOT Match	Local Match	Total (non-FTA)
III-1	Coll BY Data	16,000	16,000			2,000	2,000	36,000
III-3	Travel Model Updates	96,000		96,000		12,000	12,000	216,000
III-6	Forecasts Future Travel	60,000			60,000	7,500	7,500	135,000
IV-3	Transit LRTP	257,040			257,040	32,130	32,130	321,300
V-2	AQ	10,000		10,000		1,250	1,250	22,500
V-4	TIP	5,760			5,760	720	720	12,960
<b>Total</b>		<b>444,800</b>	<b>16,000</b>	<b>106,000</b>	<b>322,800</b>	<b>55,600</b>	<b>55,600</b>	<b>556,000</b>

**FTA Task Narrative**

HEADING	MPO RESPONSE
1- MPO	1. Charlotte Regional
2 -FTA Code	2. 44.23.01
3- Task Code	3. III-1
4- Title	4. Collection of Base Year Data
5- Task Objective	5. Data will be collected in support of the CRTPO's annual socio-economic data update efforts.
6 - Tangible Product Expected	6. Improvements to the Metrolina Regional Travel Demand Model.
7- Expected Completion	7. June 2018
8 - Previous Work	8. Work similar to that which is proposed for FY 18-data collection in support of socio-economic update efforts.
9 - Prior FTA Funds	9. 16000
10 - Relationship	10. Work to be performed will be done as part of a regional effort to conduct travel demand modeling.
11 -Agency	11. Charlotte Department of Transportation & Charlotte-Mecklenburg Planning
12- HPR - Highway - NCDOT 20%	12.
13- HPR - Highway - F11WA 80%	13.
14- Section 104 (f) PI, Local 20%	14. 4000
15- Section 104 (f) P I FHWA 80%	15. 16000
16- Section 5303 Local 10%	16. 2000
17- Section 5303 NCDOT 10%	17. 2000
18- Section 5303 FTA 80%	18. 16000
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 (cont'd)**

HEADING	MPO RESPONSE
1- MPO	1. Charlotte Regional
2 -FTA Code	2. 44.23.01
3- Task Code	3. III-3
4- Title	4. Travel Model Updates
5- Task Objective	5. Model maintenance staff activities Technical model services Model-related software and hardware purchases and fees Data management fees
6 - Tangible Product Expected	6. Improvements and maintenance of the Metrolina Regional Travel Demand Model.
7- Expected Completion	7. June 2018 and ongoing
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. 96000
10 - Relationship	10. Work to be performed will be done as part of a regional effort to conduct travel demand modeling.
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. 16607
15- Section 104 (f) P I FHWA 80%	15. 66428
16- Section 5303 Local 10%	16. 12000
17- Section 5303 NCDOT 10%	17. 12000
18- Section 5303 FTA 80%	18. 96000
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 (cont'd)**

HEADING	MPO RESPONSE
1- MPO	1. Charlotte Regional
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. 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.
6 - Tangible Product Expected	6. Highway travel and transit forecasts.
7- Expected Completion	7. June 2018
8 - Previous Work	8. Similar to that described above.
9 - Prior FTA Funds	9. 60000
10 - Relationship	10. Development of an updated Transportation Improvement Program; work on the CATS corridor system plan; implementation of managed lanes in the region.
11 -Agency	11. Charlotte Area Transit System & Charlotte Dept. of Transportation
12- HPR - Highway - NCDOT 20%	12.
13- HPR - Highway - F11WA 80%	13.
14- Section 104 (f) PI, Local 20%	14. 21250
15- Section 104 (f) P I FHWA 80%	15. 85000
16- Section 5303 Local 10%	16. 7500
17- Section 5303 NCDOT 10%	17. 7500
18- Section 5303 FTA 80%	18. 60000
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 (cont'd)**

HEADING	MPO RESPONSE
1- MPO	1. Charlotte Regional
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. Continue efforts to conduct long range, corridor system planning efforts; participation in CRTPO efforts to prepare the 2045 Metropolitan Transportation Plan.
6 - Tangible Product Expected	6. Updated information related to the corridor system plan.
7- Expected Completion	7. June 2018 and ongoing.
8 - Previous Work	8. Monitoring and updating of the Transit Corridor System Plan including: evaluation of ridership forecasts, developing/refining financial projections, monitoring existing services and trends.
9 - Prior FTA Funds	9. 257040
10 - Relationship	10. Funds will assist in the development/update of the CRTPO's MTP.
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. 0
15- Section 104 (f) P I FHWA 80%	15. 0
16- Section 5303 Local 10%	16. 32130
17- Section 5303 NCDOT 10%	17. 32130
18- Section 5303 FTA 80%	18. 257040
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 (cont'd)**

HEADING	MPO RESPONSE
1- MPO	1. Charlotte Regional
2 -FTA Code	2. 44.23.01
3- Task Code	3. V-2
4- Title	4. Air Quality/Conformity Analysis
5- Task Objective	5. Conduct air quality conformity analyses, including work associated with the 2018-2027 TIP and 2045 MTP.
6 - Tangible Product Expected	6. At least two air quality conformity efforts are expected in FY 2018.
7- Expected Completion	7. June 2018
8 - Previous Work	8. Participation in air quality conformity analysis-related activities.
9 - Prior FTA Funds	9. 10000
10 - Relationship	10. Funds will ensure transit’s continued participation in the conformity process.
11 -Agency	11. 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. 5000
15- Section 104 (f) P I FHWA 80%	15. 20000
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 (cont'd)**

HEADING	MPO RESPONSE
1- MPO	1. Charlotte Regional
2 -FTA Code	2. 44.23.01
3- Task Code	3. V-4
4- Title	4. Transportation Improvement Program
5- Task Objective	5. Funds will facilitate the Charlotte Area Transit System’s participation in the TIP development processes.
6 - Tangible Product Expected	6. CRTPO 2018-2027 TIP and products associated with development of the 2020-2029 TIP.
7- Expected Completion	7. June 2018 and ongoing.
8 - Previous Work	8. Work associated with the development of the 2018-2027 TIP.
9 - Prior FTA Funds	9. 5760
10 - Relationship	10. Funds will assist in the development of the CRTPO’s 2018-2027 TIP.
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. 12500
15- Section 104 (f) P I FHWA 80%	15. 50000
16- Section 5303 Local 10%	16. 720
17- Section 5303 NCDOT 10%	17. 720
18- Section 5303 FTA 80%	18. 5760
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.

***Anticipated DBE Contracting Opportunities for FY 2018***

Name of MPO: Charlotte Regional Transportation Planning Org.

Check here if there are no anticipated DBE opportunities

Person Completing Form: Robert Cook

Telephone Number: area code (704)-336-8643

<b>Prospectus Task Code</b>	<b>Prospectus Description</b>	<b>Name of Agency Contracting Out</b>	<b>Type of Contracting Opportunity (Consultant, etc.)</b>	<b>Federal Funds to be Contracted Out</b>	<b>Total Funds to be Contracted Out</b>

► **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**

**CERTIFYING THE TRANSPORTATION PLANNING PROCESS OF THE  
CHARLOTTE REGIONAL TRANSPORTATION PLANNING ORGANIZATION  
FOR FY 2017**

WHEREAS, the Charlotte Regional Transportation 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 Charlotte Regional Transportation 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 Charlotte Regional Transportation 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 Charlotte Regional Transportation 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 Charlotte Regional Transportation 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 Charlotte Regional Transportation Planning Organization Transportation Improvement Program is a subset of the currently conforming 2040 Metropolitan Transportation Plan; and

WHEREAS, the 2040 Metropolitan Transportation Plan has a planning horizon year of 2040 and meets all the requirements of an adequate Transportation Plan.

NOW THEREFORE BE IT RESOLVED that the Charlotte Regional Transportation Planning Organization certifies its transportation planning process on this the 15<sup>th</sup> day of March, 2017.

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I, James Taylor, CRTPO chairman, do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Charlotte Regional Transportation Planning Organization duly held on the 15<sup>th</sup> day of March, 2017.

  
James Taylor, Chairman

  
Robert W. Cook, Secretary