FINAL DOCUMENT

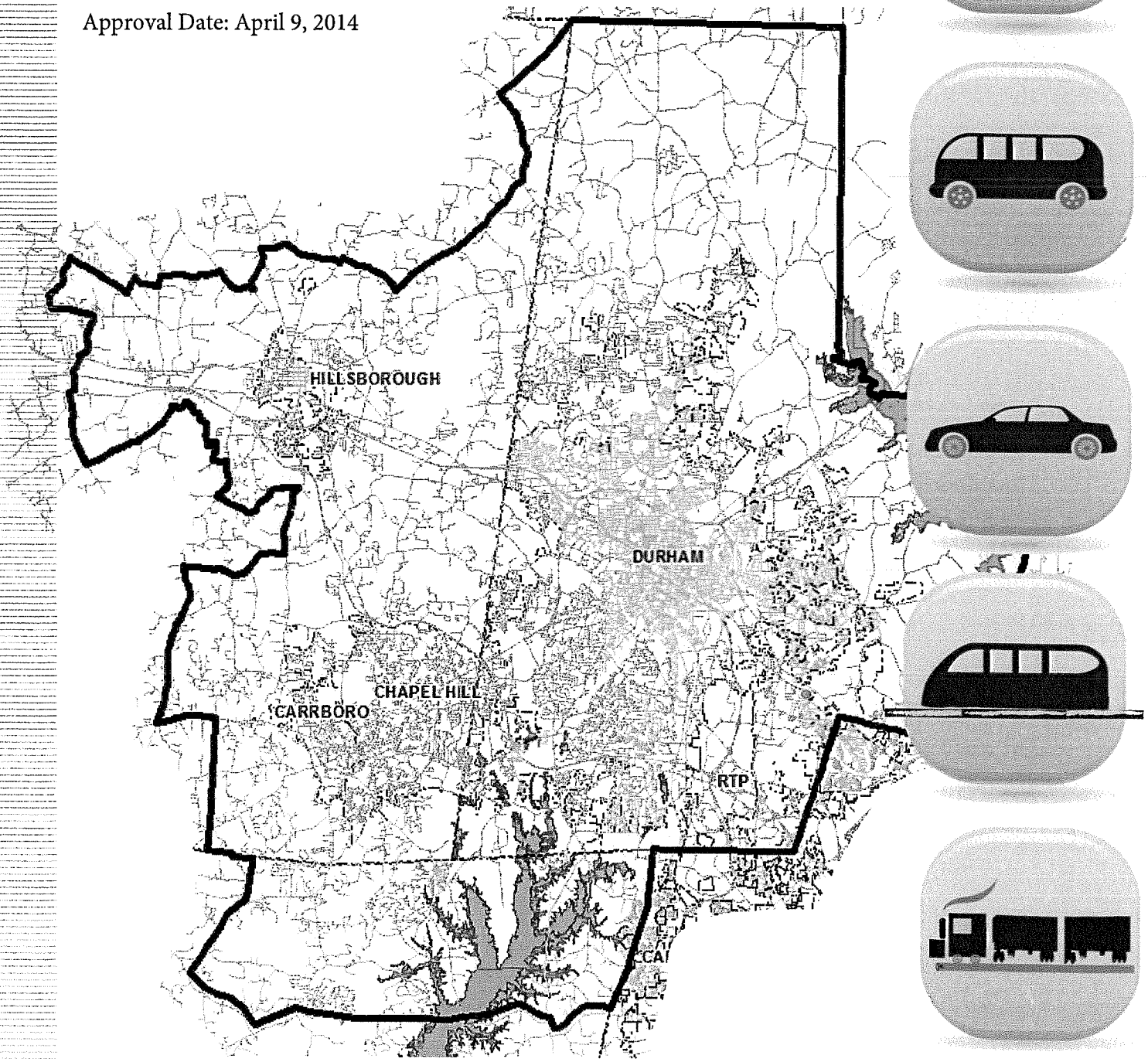
# DCHC- MPO

## Durham-Chapel Hill-Carrboro Metropolitan Planning Organization

## Unified Planning Work Program

## FY 2014-2015

Approval Date: April 9, 2014



# Durham-Chapel Hill-Carrboro
# Metropolitan Planning Organization
# FY 2014-2015 Unified Planning Work Program

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Durham-Chapel Hill-Carrboro
Metropolitan Planning Organization (DCHC MPO)

***RESOLUTION***

Approving the FY 2014-2015 Unified Planning Work Program

April 9, 2014

A motion was made by TAC Member DAMON SEILS and seconded by TAC Member STEVE SCHENEL 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 Durham-Chapel Hill-Carrboro Metropolitan Planning Organization; and

**Whereas,** the City of Durham Department of Transportation has been designated as the recipient of Section 104(f) Planning and Technical Studies Planning grant funds; and

**Whereas,** members of the Transportation Advisory Committee agree that the Unified Planning Work Program will effectively advance transportation planning for FY 2014-2015.

**Now, therefore, be it resolved that the Transportation Advisory Committee hereby endorses the *Durham-Chapel Hill-Carrboro Metropolitan Planning Organization FY 2014-2015 Unified Planning Work Program.***

I, Ellen Reckhow, TAC Chair, do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Durham-Chapel Hill-Carrboro Transportation Advisory Committee, duly held on the 9TH day of APRIL, 2014

Ellen Reckhow, TAC Chair

Durham County, North Carolina

I certify that Ellen Reckhow personally appeared before me this day acknowledging to me that she signed the forgoing document.

Date: April 9, 2014

Frederick Brian Rhodes, Notary Public
My commission expires: May 10, 2015

FREDERICK BRIAN RHODES
NOTARY
MY COMMISSION EXPIRES 5/10/2015
PUBLIC
DURHAM COUNTY, NC

Durham-Chapel Hill-Carrboro (DCHC)
Metropolitan Planning Organization (MPO)

***RESOLUTION (PTD-FTA)***

Approving the FY 2014-2015 Unified Planning Work Program (UPWP) of the DCHC Urban Area/Metropolitan Planning Organization

April 9, 2014

A motion was made by TAC Member DAMON SEILS and seconded by TAC Member STEVE SCHENEL 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 Durham-Chapel Hill-Carrboro Metropolitan Planning Organization; and

**Whereas**, the City of Durham Department of Transportation has been designated as the recipient of Federal Transit Administration (FTA) Metropolitan Planning Program funds; and

**Whereas**, members of the Transportation Advisory Committee agree that the Unified Planning Work Program will effectively advance transportation planning for FY 2014-2015.

**Now therefore, be it resolved that the Transportation Advisory Committee hereby endorses the *FY 2014-2015 Unified Planning Work Program for the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization*.**

I, Ellen Reckhow, Chair of the DCHC MPO Transportation Advisory Committee (TAC) do hereby certify that the above is a true and correct copy of an excerpt from the minutes of a meeting of the Durham-Chapel Hill-Carrboro Transportation Advisory Committee, duly held on the 9TH day of APRIL, 2014.

Ellen Reckhow, TAC Chair

Durham County, North Carolina

I certify that Ellen Reckhow personally appeared before me this day acknowledging to me that she signed the forgoing document.

Date: April 9, 2014

Frederick Brian Rhodes, Notary Public
My commission expires: May 10, 2015

FREDERICK BRIAN RHODES
NOTARY
MY COMMISSION EXPIRES 5/10/2015
PUBLIC
DURHAM COUNTY, NC

## RESOLUTION CONFIRMING TRANSPORTATION PLANNING PROCESS

## RESOLUTION CERTIFYING THE DURHAM-CHAPEL HILL-CARRBORO (DCHC MPO) METROPOLITAN PLANNING ORGANIZATION'S TRANSPORTATION PLANNING PROCESS FOR FY 2014-2015 (FY 2015)

**WHEREAS**, the Transportation Advisory Committee has found that the Metropolitan Planning Organization is conducting transportation planning in a continuous, cooperative, and comprehensive manner in accordance with 23 U.S.C. 134 and 49 U.S.C. 1607;

**WHEREAS**, the Transportation Advisory Committee has found the transportation planning process to be in compliance with Sections 174 and 176 (c) and (d) of the Clean Air Act (42 U.S.C. 7504, 7506 (c);

**WHEREAS**, the Transportation Advisory Committee 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 U.S.C. 324 and 29 U.S.C. 794;

**WHEREAS**, the Transportation Advisory Committee has considered how the Transportation Planning Process will affect the involvement of Disadvantaged Business Enterprises in the FHWA and the FTA funded planning projects (Section 1003(b) of ISTEA of 1991 (Pub. L. 102-240), Sec. 105(f), Pub. L. 97-424, 96 Stat. 2100, 49 CFR part 23);

**WHEREAS**, the Transportation Advisory Committee has considered how the Transportation Planning Process will affect the elderly and the disabled per the provision of the Americans With Disabilities Act of 1990 (Pub. L. 101-336, 104 Stat. 327, as amended) and the U.S. DOT implementing regulations (49 CFR parts 27, 37, and 38);

**WHEREAS**, the DCHC MPO Metropolitan Transportation Improvement Program is a subset of the currently conforming 2040 Long Range Transportation Plan;

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

**NOW THEREFORE, be it resolved that the DCHC Urban Area Transportation Advisory Committee certifies the transportation planning process for the DCHC Metropolitan Planning Organization on this the 9th day of April 2014**

Ellen Reckhow, TAC Chair

Clerk/Secretary/Planner

# Metropolitan Planning
# Self-Certification Process

CFR 450.334

The State and the MPO shall annual certify to the FHWA and the FTA that the planning process is addressing the major issues facing the area and is being conducted in accordance with all applicable requirements of:

- Section 134 of title 23 U.S.C., section 8 of the Federal Transit Act (49 U.S.C. app. 1607) and;
- Section 174 and 176 (c) and (d) of the Clean Air Act (42 U.S.C. 7504, 7506 (c) and (d);
- Title VI of the Civil Rights Act of 1964 and Title VI assurance executed by each state under 23 U.S.C. 324 and 29 U.S.C. 794;
- Section 103 (b) of the Intermodal Surface Transportation Efficiency Act of 1991 (Public Law 102-240) regarding the involvement of disadvantaged business enterprises in the FHWA and the FTA funded planning projects...; and
- The provisions of the Americans with Disabilities Act of 1990 (Public Law 101-336, 104 Stat. 327, as amended) and U.S. DOT regulations "Transportation for Individuals with Disabilities" (49 CFR parts 27, 37, and 38).

In addition, the following checklist should help guide the MPOs as they review their processes and programs for self-certification.

# Metropolitan Planning
# Self-Certification Process

Self-Certification Checklist

1. Is the MPO properly designated by agreement between the Governor and 75% of the urbanized area, including the central city, and in accordance in procedures set forth in state and local law (if applicable)? [23 U.S.C. 134 (b); 49 U.S.C. 5303 (c); 23 CFR 450.306 (a)]

2. Does the policy board include elected officials, major modes of transportation providers and appropriate state officials? [23 U.S.C. 134 (b); 49 U.S.C. 5303 (c); 23 CF R 450.306 (i)]

3. Does the MPO boundary encompass the existing urbanized area and the contiguous area expected to become urbanized within the 20-yr forecast period? [23 U.S.C. 134 (c), 49 U.S.C. 5303 (d); 23 CFR 450.308 (a)]

4. Is there a currently adopted Unified Planning Work Program (UPWP)? 23 CFR 450.314
   a. Is there an adopted prospectus
   b. Are tasks and products clearly outlined
   c. Is the UPWP consistent with the LRTP
   d. Is the work identified in the UPWP completed in a timely fashion

5. Does the area have a valid transportation planning process?
   23 U.S.C. 134; 23 CFR 450
   a. Is the transportation planning process continuous, cooperative and comprehensive
   b. Is there a valid LRTP
   c. Did the LRTP have at least a 20-year horizon at the time of adoption
   d. Does it address the 8-planning factors
   e. Does it cover all modes applicable to the area
   f. Is it financially constrained
   g. Does it include funding for the maintenance and operation of the system
   h. Does it conform to the State Implementation Plan (SIP) (if applicable)
   i. Is it updated/reevaluated in a timely fashion (at least every 4 or 5 years

6. Is there a valid TIP? 23 CFR 450.324, 326, 328, 330, 332
   a. Is it consistent with the LRTP
   b. Is it fiscally constrained
   c. Is it developed cooperatively with the state and local transit operators
   d. Is it updated at least every 4-yrs and adopted by the MPO and the Governor

7. Does the area have a valid CMP? (TMA only) 23 CFR 450.320
   a. Is it consistent with the LRTP
   b. Was it used for the development of the TIP
   c. Is it monitored and reevaluated to meet the needs of the area

8. Does the area have a process for including environmental mitigation discussions in the planning process?
   a. How _____
   b. Why not_____

# Metropolitan Planning Self-Certification Process

Self-Certification Checklist

9. Does the planning process meet the following requirements:
   a. 23 U.S.C. 134, 49 U.S.C. 5303, and this subpart;
   b. In nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
   c. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) and 49 CFR part 21;
   d. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
   e. MAP-21 and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
   f. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
   g. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
   h. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
   i. Section 324 of title 23 U.S.C. regarding the prohibition of discrimination based on gender; and
   j. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.
   k. All other applicable provisions of Federal law. (i.e. Executive Order 12898)

10. Does the area have an adopted PIP/Public Participation Plan? 23 CRR 450.316 (b)(1)
    a. Did the public participate in the development of the PIP?
    b. Was the PIP made available for public review for at least 45-days prior to adoption?
    c. Is adequate notice provided for public meetings?
    d. Are meetings held at convenient times and at accessible locations?
    e. Is the public given an opportunity to provide oral and/or written comments on the planning process?
    f. Is the PIP periodically reviewed and updated to ensure its effectiveness?
    g. Are plans/program documents available in an electronic accessible format, i.e. MPO website?

11. Does the area have a process for including environmental, state, other transportation, historical, local land use and economic development agencies in the planning process? MAP-21
    a. How_____
    b. Why not_____

# DCHC MPO Title VI Assurances

The Durham-Chapel Hill-Carrboro Metropolitan Planning Organization -DCHCMPO (hereinafter referred to as the "Recipient") HEREBY AGREES THAT as a condition to receiving any Federal financial assistance from the North Carolina Department of Transportation and the US Department of Transportation it will comply with the Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d-42 (hereinafter referred to as the Act), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-Assisted Programs of the Department of Transportation. Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the Regulations) and other pertinent directives, to the end that in accordance with the Act, Regulations, and other pertinent directives, no person in the United States shall, on the grounds of race, color, sex, age, national origin or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Recipient receives Federal financial assistance from the Department of Transportation, including the Federal Highway Administration, and HEREBY GIVES ASSURANCE THAT it will promptly take any measures necessary to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the Regulations.

More specifically and without limiting the above general assurance, the Recipient hereby gives the following specific assurances with respect to its Federal-Aid Highway Program:

1. That the Recipient agrees that each "program" and each "facility" as defined in subsections 21.23 (b) and 21.23 (e) of the Regulations, will be (with regard to a "program") conducted, or will be (with regard to a "facility") operated in compliance with all requirements imposed by, or pursuant to, the Regulations.

2. That the Recipient shall insert the following notification in all solicitations for bids for work or material subject to the Regulations made in connection with the Federal-Aid Highway Program and, in adapted form in all proposals for negotiated agreements:

   > The DCHC MPO in accordance with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

3. That the Recipient shall insert the clauses of Appendix A of this assurance in every contract subject to the Act and the Regulations.

4. That the Recipient shall insert the clauses of Appendix B of this assurance, as a covenant running with the land, in any deed from the United States effecting a transfer of real property, structures, or improvements thereon, or interest therein.

5. That where the Recipient receives Federal financial assistance to construct a facility, or part of a facility, the assurance shall extend to the entire facility and facilities operated in connection therewith.

6. That where the Recipient receives Federal financial assistance in the form, or for the acquisition of real property or an interest in real property, the assurance shall extend to rights to space on, over or under such property.

7. That the Recipient shall include the appropriate clauses set forth in Appendix C of this assurance, as a covenant running with land, in any future deeds, leases, permits, licenses, and similar agreements entered into by the Recipient with other parties: (a) for the subsequent transfer of real property acquired or improved under the Federal-Aid Highway Program; and (b) for the construction or use of or access to space on, over or under real property acquired, or improved under the Federal-Aid Highway program.

8. That this assurance obligates the Recipient for the period during which Federal financial assistance is extended to the program, except where the Federal financial assistance is to provide, or is in the form of, personal property, or real property or interest therein or structures or improvements thereon, in which case the assurance obligates the Recipient or any transferee for the longer of the following periods: (a) the period during which the property is sued for a purpose for which the Federal financial assistance is extended, or for another purpose involving the provision of similar services or benefits; or (b) the period during which the Recipient retains ownership or possession of the property.

9. The Recipient shall provide for such methods of administration for the program as are found by the Secretary of Transportation or the official to whom he delegates specific authority to give reasonable guarantee that it, other recipients, subgrantees, contractors, subcontractors, transferees, successors in interest, and other participants of Federal financial assistance under such program will comply with all requirements imposed or pursuant to the Act, the Regulations and this assurance.

10. The Recipient agrees that the United States has a right to seek judicial enforcement with regard to any matter arising under the Act, the Regulations, and this assurance.

THIS ASSURANCE is given in consideration of and for the purpose of obtaining any and all Federal grants, loans, contracts, property, discounts or other Federal financial assistance extended after the date hereof to the Recipient under the Federal-Aid Highway Program and is binding on it, other recipients, subgrantees, contractors, subcontractors, transferees, successors in interest and other participants in the Federal-Aid Highway Program. The person or persons whose signatures appear below are authorized to sign this assurance on behalf of the Recipient.

Ellen Reckhow, TAC Chair

4/9/14
Signature and Date

Felix Nwoko, PhD.
Transportation Planning Manager/Administrator, DCHC MPO

Felix Nwoko 4/9/14
Signature and Date

## INTRODUCTION

The DCHC MPO is required by federal regulations to prepare an annual Unified Planning Work Program (UPWP) that details and guides the urban area transportation planning activities. Funding for the UPWP is provided on an annual basis by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). Essentially, the UPWP provides yearly funding allocations to support the ongoing transportation planning activities of the DCHC MPO. The UPWP must identify MPO planning tasks to be undertaken with the use of federal transportation funds, including highway and transit programs. Tasks are identified by an alphanumeric task code and description. A complete narrative description for each task is more completely described in the *Prospectus for Continuing Transportation Planning for the Durham-Chapel Hill-Carrboro Metropolitan Planning Organization*, approved by the TAC on February 13, 2002. The *Prospectus* was developed by NCDOT in cooperation with MPOs throughout the state.

The UPWP also contains supplemental project descriptions for Federal Transit Administration (FTA) projects. FTA project descriptions are provided for transit providers (Chapel Hill Transit, Durham Area Transit, & Triangle Transit Authority). FTA planning project task descriptions, FTA Disadvantaged Businesses Contracting Opportunities forms, and FTA funding source tables are also part of the UPWP document.

The funding source tables reflect available federal planning fund sources and the amounts of non-federal matching funds. The match is provided through either local or state funds or both. Statewide Planning and Research Funds (SPR) are designated for State use only and reflect the amount of those funds to be expended by the N.C. Department of Transportation Statewide Planning Division on DCHC MPO activities. Section 104(f) funds are designated for MPO planning and Section 133(b)(3)(7) funds are the portion of STP-DA funds used in MPO planning. The Lead Planning Agency (LPA) uses these funds to support the LPA planning functions. These funds are also used for MPO special projects, such as the Congestion Management Systems, Collector Street Plan, land-use model, GIS/Data integration and automation, Regional Model update and enhancement, travel behavior surveys and update of the ITS deployment plan and regional architecture, support of the Regional Model Service Bureau, Parking Survey/Study, special projects, etc.

The main source of funds for transit planning for Chapel Hill Transit (CHT), the Durham Area Transit Authority (DATA), and the Triangle Transit Authority (TTA), is the Federal Transit Administration's Section 5303 funds. These funds are allocated by NCDOT's Public Transportation Division (PTD). Transit agencies can also use portions of their Section 5307 capital and operating funds for planning. These funds must be approved by the TAC as part of the UPWP approval process.

**FY 2015 UPWP Federally Mandated Planning Projects and Continuation of Major Emphasis Projects:**

- Regional Transit Studies New Start Analyses
- Commercial vehicle survey and counts for the Triangle Regional Model (TRM)
- Parking survey, inventory and study for the TRM

- Development of Update of the 2045 MTP
- MPO freight planning
- MPO Safety and Security Plan
- Model data collection
- Community VIZ update
- Geo-coder update
- GIS enterprise update
- MPO Congestion Management Plan and process
- Climate change adaptation and planning

**The Focus Areas of the FY 2015 UPWP**

1. Data and Data Management System
2. Model Update and Enhancement
3. Survey (Travel Behavior & Transit Onboard)
4. GIS (GIS online & enterprise GIS portals)
5. Regional Rail –County Transit Plans
6. Comprehensive Transportation Plan
7. 2045 MTP
    a. Socio-Economic/Demographic Data Analysis & Forecasting
    b. Land-use Scenario Planning
8. SPOT3-STI
9. Grants and Financial Management
10. Interactive Web-comprehensive web presence (social media)
11. Title VI/LEP/EJ
12. Map-21 implementation regulation & requirements (performance measures and targets, asset management, Freight, etc.)
13. State and Regional Planning/Coordination
14. Project Development & Planning/NEPA
15. Administration of the 3-C Process
16. Service requests
17. ADA Transition Plan (See attached audit questionnaire)
18. Freight Plan (regional – DCHCMPO/CAMPO/NCDOT –NCDOT picking 50% of total cost)
19. Community Viz 2.0 (DCHCMPO/CAMPO)
20. Continuation of routine planning- TIP, UPWP, Data monitoring, GIS, public involvement, AQ, etc.
21. Regional transit and implementation of County transit plans

**FY 2015 Emphasis/Special Projects Descriptions**

**Triangle Regional Model (TRM) - Major Model Enhancement**
Upon completion of the 2040 MTP and air quality conformity determination modeling operation, the Triangle Regional Model Service Bureau (TRM-SB) and the regional model stakeholders began substantial revisions and enhancements in order to better respond to the

evolving needs and policies of the DCHC MPO and other model stakeholders. One of the first tasks will be to identify and select model enhancements for implementation based on the needs of the various partners including local governments, and on the feasibility and costs of desired enhancements. Enhancements specifically discussed within the DCHC MPO include; enhancing model precision for small area studies, improving non-motorized models, increasing sensitivity to travel demand management policies, network quality checks, improved transit ridership forecasting, incorporating tools for policy analysis and responding to policy questions, improving HOV/HOT tools and parking sensitivity enhancements. Additional technical enhancements have also been proposed relative to trip generation, destination choice and mode choice. Integrated land use and transportation modeling is addressed in a separate item below. Specific activities to develop model enhancements include; staff time preparing and evaluating technical proposals for model revision and developing the model, negotiating the scope of enhancements with regional model partners (NC-DOT, TTA, CAMPO), consultant assistance in preparing technical specifications and developing the model, and research and peer contact aimed at assessing the technical merits and operational challenges of the various modeling strategies that will be under consideration. The TRM is a regional project, and it is possible that some enhancements sought by DCHC will not be included in the regional model plan, such as the enhancement of the non-motorized trip. In that case, additional specific activities may include developing extensions to the regional model to meet DCHC's remaining policy needs.

**Enhancement of the Non-Motorized Trip Model funding NOT included in the proposed FY 2015 budget.**

**Travel Behavior Survey (Household Survey)**

The existing Triangle Regional Model was calibrated with Travel Behavior Survey (TBS) data collected in 2006. Since then, the region has undergone substantial development and demographic changes. While some of these changes are captured in updates to socio-economic data that is input to the model, including Census 2010, there is much more information from the 2006 survey that needs to be updated in order to prepare more accurate forecasts and also to meet the federal requirements for using "the latest planning assumptions. The TBS will collect detailed information on personal and household travel patterns from approximately 4,000 households across the Triangle. The sample size for the DCHC planning area will be based on the population. Information about trip purposes, mode choice, travel routes, time of day when travel is undertaken, response to road congestion, average trip distances and durations, and neighborhood and work destination characteristics will likely be gathered in these surveys.

In addition, the new TBS will allow better prediction of transit and non-motorized transportation. Despite the comprehensive character of the current TBS, it under-represents persons who travel by modes other than automobile. Consequently, in order to provide sufficient high-quality data to pursue the MPO's goal of understanding and increasing use of transit and non-motorized travel, the proposed budget also includes a separate transit on-board survey (survey of bus riders) and surveys of bicycle and pedestrian activity and facilities.

The benefit to the MPO will be a more accurate and reliable travel demand model that represents and captures local travel behavior and travel patterns.

**Transit Onboard Survey (Pre-test in FY15 Survey/analysis in FY 2016)**
The TRM Service Bureau along with the DCHC MPO, CAMPO and TTA will conduct a transit onboard survey of riders of Capital Area Transit (CAT), Chapel Hill Transit (CHT), Triangle Transit, Cary Transit (C-Trans), Durham Area Transit Authority (DATA), Duke, and the Wolf line systems. The purpose of the survey is to better understand the travel pattern of transit users in the Triangle region, particularly, the impact that the proposed Durham-Orange Light Rail (D-O LRT) will have on metropolitan and regional travel patterns. The primary objective for the proposed FY 2015 transit onboard survey are summarized as follows; 1) update travel pattern data for the TRM to reflect current transit system ridership; Recalibrate the TRM mode choice model; and 2) collect on-transit ridership as part of the "Before and After Assessment of D-O LRT" as required by the federal Transit Administration (FTA) Final Rule on Major Capital Investment Projects. The survey results will be shared with the aforementioned regional transit operators to help them gain a better understanding of how their services are being used. The proposed survey will be conducted on approximately 115 bus routes with the goal of obtaining useable surveys from approximately 14,000 passengers. TTA will be conducting a survey in 2014 for the D-O Light Rail project.

**Community Viz 2.0**
The DCHC MPO in concert with CAMPO will undertake the development of Community Viz 2.0. The primary purpose of the project is to implement a partnering strategy and create a spatial data planning model framework and scenario planning using Community Viz software that will mimic development patterns and intensities and allocate future year socioeconomic data for the jurisdictions within the Triangle Region. The model will be used by DCHC MPO staff to identify regional goals and community values, and explore alternatives for growth, development, and transportation investment. Results from the model will be used in developing the DCHC MPO's next Long Range Transportation Plan; the 2045 Metropolitan Transportation Plan.

During FY 2012-13, the DCHC MPO and CAMPO joined together to initiate the first Community Viz 1.0 scenario planning initiative called Imagine 2040. That study provided an opportunity to explore and debate regional visions for growth, their trade-offs, and alternative development futures. Scenario planning tools, and specifically, CommunityViz 1.0 was used throughout the planning process to measure and evaluate the impacts of competing development scenarios and major investments in the regional transportation system. Results of the scenario planning initiative were the development of the 2040 MTP socio-economic forecasts. Community Viz 2.0 will build upon that effort.

**FY 2015 Data Collection and Data Management**
The MPO is required by federal regulations and the 3C process to perform continuous data monitoring and maintenance. A number of transportation and traffic conditions will be continuously surveyed and compiled annually to fed into various MPO technical analyses such as modeling, Metropolitan Transportation Plan update, Congestion Management Process, project development, Title planning, EJ.LEP demographic profiles, TIP, project prioritization, etc. The following data collection and monitoring tasks will be conducted during the FY 2015 UPWP period:

- 48 hour traffic volume –hourly, bi-directional, classified and 85$^{th}$ percentile speed
- Turning movement count during AM, noon and PM peak periods for cars, trucks, bikes and pedestrians

- Travel time and speed survey
- Pedestrian and bikes counts at mid-block and intersections (peak counts and 12-hour counts)

Transportation models, Congestion Management Programs, federally mandated performance management/targets and Prioritization are critically dependent on comprehensive, detailed, high-quality input data. In the past, such data has been gathered through an ad-hoc, short-term work effort, and has been used to produce model output for multiple years. As the region grows toward more sophisticated models, and, as NCDOT and FHWA move toward detailed data-driven processes, it becomes increasingly desirable to undertake comprehensive and systematic data collection and management for the MPO. The on-going MPO data management program is intended to link the model's input directly to existing databases. More broadly, it is proposed to integrate these external data with existing and new geographic information so that they can be overlaid easily with transportation improvement projects, thoroughfare and corridor plans, updated street centerline locations and other information that will assist policy makers and the public to envision the impact of proposed projects and policies. Specific products to be output by staff and/or consultants include; designing work flow processes and data access strategies to support routine access to relevant information, continue designing and updating a centralized database for information that will be used by transportation and land use models, developing presentation tools for the data (using ArcGIS Online), and adjusting the travel demand model so that it can use such detailed data directly.

**Freight Planning/Urban Good Movement – Regional Freight Plan**
DCHC MPO, CAMPO and NCDOT will jointly develop a regional freight plan as mandated by federal regulations. The cost of the freight study will be shared among the aforementioned stakeholders as follows: 50% NCDOT, CAMPO 30% and DCHC MPO 20%.

**American's with Disability Act (ADA) Transition Plan**
The ADA requires public agencies with more than 50 employees to make a transition plan. [28 CFR §35.150(d)] The transition plan must include a schedule for providing access features, including curb ramps for walkways. [28 CFR §35.150(d)(2)] The ADA transition plan is intended to identify system needs and integrate them with the MPOs planning process. The transition plan and its identified needs will be fully integrated into the Metropolitan Transportation Improvement Program (MTIP).

## FY 2015 UPWP Description of Funding Sources and Expected Funding Levels

**Planning (PL) Section 104(f)** – These funds are FHWA funds for urbanized areas, administered by NCDOT. These funds require a 20% match. The PL funding apportionment to the state is distributed to the MPOs through a population-based formula. The proposed Section 104(f) funding level is based on the MAP-21 Section 104(f) allocation. The statewide section 104(f) funds are distributed among the 17 MPOs based on a formula.

**STP-DA** – These funds are the Direct Attributable Allocation portion of the federal Surface Transportation Program (STP) funds provided to Transportation Management Areas (TMAs) over 200,000 in population. By agreement with the DCHC MPO and NCDOT, a portion of these funds are used for MPO transportation planning activities. STP-DA funds earmarked for programming in the FY 2012-13 UPWP are shown below:

**FTA Funds** -Three types of funds are used for transit planning purposes by the DCHC MPO; Section 5303, Section 5307 and Section 5309 funds administered through the Federal Transit Administration and the NCDOT Public Transit Division.

***Section 5303*** funds are grant monies from FTA that provide assistance to urbanized areas for transit planning. Essentially, the funds are earmarked for use in planning and technical studies related to urban public transportation. They are provided from the Federal Transit Administration through the NCDOT-PTD to the MPO transit operators (80% from FTA, 10% from NCDOT-PTD, and 10% local match).

***Section 5307*** funds can be used for planning as well as other purposes, and are distributed by the formula by FTA. The DATA, CHT, and TTA use Section 5307 funds from the FTA for assistance on a wide range of planning activities. These funds require a 10% local match, which is provided by the City of Durham, the Town of Chapel Hill, and TTA; and 10% State match which is provided by the Public Transportation Division of NCDOT.

***Section 5309*** funds can be used for planning as well as other purposes, and are distributed by formula by FTA. Chapel Hill Transit will use of Section 5309 funds from the FTA for assistance on an alternatives analysis project in FY2014. These funds require a 25% local match, which is provided by the Town of Chapel Hill; and 25% State match which is provided by the Public Transportation Division of NCDOT.

## Summary of all Funding Sources

| | Federal | State | Local | Total |
|---|---|---|---|---|
| **Non-Federal** | | | **$215,000** | **$215,000** |
| **PL/STP-DA (FHWA)** | **$2,207,996** | | **$551,999** | **$2,759,995** |
| **FTA 5303** | **$301,104** | **$37,638** | **$37,638** | **$376,380** |
| **FTA 5307** | **$1,212,694** | **$151,587** | **$151,587** | **$1,515,868** |
| **FTA 5309** | **$210,000** | **$26,250** | **$26,250** | **$262,500** |
| **Total** | **$3,931,794** | **$215,475** | **$982,474** | **$5,129,743** |

## Summary of Federal Funding by Agency

| | FHWA | FTA Transit Planning | | | Total |
|---|---|---|---|---|---|
| **Agency** | **Planning** | **5303** | **5307** | **5309** | |
| Lead Planning Agency | $1,547,124 | | | | $1,547,124 |
| Carrboro | $146,954 | | | | $146,954 |
| Chapel Hill | $175,675 | $147,541 | | | $323,216 |
| Durham City | $190,880 | | | | $190,880 |
| Durham County | $48,115 | | | | $48,115 |
| Orange County | $44,248 | | | | $44,248 |
| TJCOG | $55,000 | | | | $55,000 |
| Chapel Hill Transit | | | $283,621 | $210,000 | $493,621 |
| DATA | | $153,563 | $245,073 | | $398,636 |
| TTA | | | $684,000 | | $684,000 |
| Total | $2,207,996 | $301,104 | $1,212,694 | $210,000 | $3,931,794 |
| Note: Federal Funds = 80% | | | | | |

**Summary of UPWP Accomplishments & FY 15 UPWP Focus Area**

The Main emphases of the FY 2013 and FY 2014 Unified Planning Work Program (UPWP) were the development of the 2040 Long Range Transportation Plan and Air Quality Conformity Determination, model, enhancement, calibration and validation of the Triangle Regional Model, the update of the MPO GIS enterprise, update of the Non-motorized Trip Model, the development of the MPO integrated land-use/transportation model, implementation of the regional Intelligent Transportation Systems (ITS) Strategic Deployment Plan, Congestion Management Process (data collection and analysis, evaluation of performance indicators, development of mitigation measures, State of Systems Report, etc.), development of the regional transit plan and the implementation of the County transit plans. The MPO continued to fulfill State and federal transportation mandates and requirements, mainly the 3-C transportation process, such as UPWP planning, SPOT/TIP/Mobility funds, Title VI/EJ/LEP, visualization, etc. The MPO made significant progress in these areas. Major milestones and accomplishments are summarized as follows:

1. 2040 Metropolitan Comprehensive Plan (MTP): The MPO completed tasks associated with the development of the 2040 MTP. The Transportation Advisory Committee (TAC) adopted the 2040 MTP and Air Quality Conformity Determination in May 2013.

2. Comprehensive Transportation Plan (CTP): The MPO along with NCDOT began work on the development of the CTP as mandated by the North Carolina General Statutes. Work accomplishments include CTP model setup, preparation of base maps, definition of roles and responsibilities.

3. Civil Rights Title VI Audit and MPO Title VI Plan: The DCHC MPO prepared Title VI Plan, which addresses how the MPO is integrating nondiscriminatory practices into its transportation planning, public participation, and decision making. Title VI is a requirement of the federal Civil Rights Act of 1964 and other legislation that direct the fair treatment and meaningful involvement of all people—regardless of race, color, national origin, disability, age, gender, or income status —in programs and activities receiving federal funding, including for transportation issues. The MPO also prepared a response to NCDOT Civil Rights Division Title VI audit and certification questionnaires.

4. Limited English Proficiency (LEP) Plan: The MPO updated federally mandated LEP Plan to help identify reasonable steps to provide language assistance for LEP persons seeking meaningful access to MPO programs as required by Executive Order 13166. A person who is considered LEP is one who does not speak English as their primary language and who has a limited ability to read, speak, write or understand English. The LEP Plan includes the required four factor analysis and strategies for ensuring access to transportation by the LEP population.

5. Demographic Profiles for Environmental Justices (EJ) and Civil Rights Title VI: The MPO updated and enhanced demographic profiles for EJ and LEP in accordance with federal requirements. The MPO collected and analyzed Census and American Community Services (ACS) data. The pieces of information from the CENSUS and ACS were used to evaluate whether certain language groups within the DCHC MPO area met the Safe

Harbor clause of LEP guidance. The MPO also generated various charts, graphs and GIS mapping associated with the LEP demographic profiles.

6. Data Collection and Monitoring (Surveillance): The Lead Planning Agency (LPA) continued data collection, tabulation and analysis to support various MPO technical and planning functions such as modeling, Congestion Management Process (CMP), Mobility Report Card, Transportation Improvement Program project ranking/prioritization, Metropolitan Transportation Plan (MTP) evaluation, air quality analysis and conformity, Environmental Justice, socio-economic and demographic projections/forecasting, Highway Performance Management System (HPMS), transit planning, project development, bicycle and pedestrian planning, safety, etc. The following data elements were either collected, tabulated, updated and/or monitored within the MPO boundary:

    a. Daily traffic volume - 400 locations
    b. Turning Movement Counts (TMC) - 300 locations
    c. Truck classification counts - 400 locations
    d. Signal and detector data - 450 signal locations
    e. Roadway geometric information - 300 segments
    f. Transit system data (stop, route system wide reports, including boarding, alighting, load, run time, costs, passenger/miles, etc.) - all routes for CHT,DATA, TTA and Duke
    g. Travel time - 162 facilities/segments
    h. Bicycle pedestrian counts (peak period and 12-hour)
    i. Development activities, permits and certificates of occupancy
    j. ACS demographic data
    k. Employment/ land-use

7. GIS Online Framework: Continued work on a repository for local, regional and State GIS data for use by the public and local and regional officials. The GIS On-line will support MPO short and long-range transportation planning by providing a visualization capability required by federal regulations as well as provide innovative and interactive mapping and geo-spatial information to the public and policy makers.

8. STI Analysis & SPOT3 Prioritization. The LPA prepared an analysis of the Strategic Transportation Investment (STI) and summary reports for elected officials and the public. Staff made several presentations to the TCC and TAC. Additionally, the LPA developed a highway, transit, bike, pedestrian and rail projects list for SPOT-3 and updated modal ranking methodology.

9. The LPA developed and finalized the 2014-2020 Metropolitan Transportation Improvement Program (MTIP) and subsequently NCDOT notified the MPO about the suspension of the 2014-2020 TIP due to MAP-21 funding shortfall, new State legislative issues and uncertainties surrounding revenue forecasts.

10. Amendments and Administrative Modifications of the MTIP: The MPO processed several administrative modifications to the 2012-18 MTIP and forwarded them to NCDOT to be included in the STIP for BOT approval.

11. Congestion Management Process (CMP): Completed CMP data collection and some

analysis. Draft reports for various components of the CMP were completed: Draft MPO Mobility Report Card, Safety Evaluation Report, draft multi-modal LOS for evaluating Complete Streets capacity/LOS, etc.

12. UPWP Financial Reporting and Management: The LPA processed 7 UPWP amendments (FHWA and FTA funds) and quality invoices to NCDOT. The LPA successfully completed an annual audit review for LPA planning grants.

13. Triangle Regional Model (TRM) Update and Enhancement: The MPO continues to participate in the update and enhancement of the TRM at ITRE. The MPO is one of the funding partners of the modeling service bureau and continues to provide .5 FTE to ITRE Model Service Bureau.

14. The MPO continued work on several special and major emphasis projects: MPO Land-use model, MPO Non-Motorized Trip model, MPO GIS, Community VIZ integration, MPO Twitter account, Preparation of CMAQ applications, etc.

15. Bicycle lane restriping. The MPO worked with NCDOT Division 5 and Division 7 regarding priorities and plans for restriping roadways scheduled for resurfacing by NCDOT.

16. Alston Avenue Widening & East-End Connector: The LPA worked on the project planning and NEPA process for the Alston Avenue and the East End Connector projects. The LPA continued work in helping NCDOT in the public involvement and outreach for the East-End Connector planning and environmental (NEPA) study.

17. Other Project Development Planning and NEPA: the LPA continued to participate in several on-going NCDOT project planning and NEPA studies for projects within the MPO. These projects are summarized as follows: South Miami Blvd widening, NC 98, Holloway Street widening, Alexander Drive widening project, Hopson Road grade separation, Alston Avenue, East End Connector, Hillandale widening, NC 98 (Holloway Street) widening, South Columbia, several bridge replacement projects, resurfacing projects, etc.

18. ITS Strategic Deployment Plan (SDP). Work continues on the implementation of the Triangle Regional ITS SDP. This includes linkages of ITS to travel model and the required bridging of planning and operations.

19. Ramp Metering project was completed and report presented to the TAC.

20. Agency Service Request – LPA staff often assist with customer services requests several times a month with issues regarding UPWP allocation, sub-recipient reporting training and guidance, technical assistance, etc.

**Development Schedule**

The tentative development schedule for the 2014-15 UPWP is presented below. The work program will contain new initiatives for FY2015 and a continuation of the FY2014 initiatives and emphasis areas. The schedule provides for the coordination of the UPWP development with the local government budget process and NCDOT deadlines.

| DATES | DCHC MPO ACTIVITY DESCRIPTION |
|---|---|
| 27-Jan-14 | Deadline for funding request to be submitted to MPO by member agencies. (deadline extended to 7-Feb-14) |
| December 2013 - January 2014 | Development of Draft 2014-2015 UPWP and coordination with the Oversight Committee & local agencies. |
| 26-Feb-14 | TCC receives Draft 2014-2015 UPWP. |
| 12-Mar-14 | TAC receives Draft 2014-2015 UPWP & releases for public comment. |
| | Draft sent to FTA for review & comments. |
| 26-Mar-14 | TCC receives updated DRAFT-FY2014-2015 UPWP. |
| 9-Apr-14 | TAC holds public hearing. TAC considers adoption of FY 2015 UPWP. |
| 23-Apr-14 | TCC recommends that TAC adopt FINAL FY2014-2015.<br>TCC recommends MPO complete self-certification UPWP planning process. |
| 14-May-14 | TAC adopts FINAL FY2014-2015 UPWP and self certifies MPO planning process. |
| 16-May-14 | Final FY2014-2015 UPWP submitted to NCDOT/FHWA/FTA for approval. |
| 16-Jun-14 | Final FY2014-2015 UPWP approved by NCDOT/FHWA/FTA. |

MPO Funds Distribution by Agency
MPO Summary

# Durham-Chapel Hill-Carrboro Urban Area
## FY 2014-2015 Unified Planning Work Program
## Funding Distribution by Agency & Funding Sources

MPO Summary
4/2/2014 8:02

| | Receiving Agency | SPR Highway NCDOT | Local Transit local 100 | STP-DA Sec. 133(b)(3)(7) Local 20% | STP-DA Sec. 133(b)(3)(7) FHWA 80% | Section 104(f) PL Local 20% | Section 104(f) PL FHWA 80% | Section 5303 Highway/Transit Local 10% | Section 5303 Highway/Transit NCDOT 10% | Section 5303 Highway/Transit FTA 80% | Section 5307 Transit Local 10% | Section 5307 Transit NCDOT 10% | Section 5307 Transit FTA 80% | Section 5309 Transit Local 10% | Section 5309 Transit NCDOT 10% | Section 5309 Transit FTA 80% | Task Funding Summary Local | Task Funding Summary NCDOT | Task Funding Summary Federal | Task Funding Summary Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Durham | | | 47,720 | 190,880 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 47,720 | - | 190,880 | 238,600 |
| | Carrboro | | | 36,802 | 147,206 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36,802 | - | 147,206 | 184,008 |
| | Chapel Hill | | | 47,147 | 188,588 | 0 | 0 | 18,443 | 18,443 | 147,541 | 0 | 0 | 0 | 0 | 0 | 0 | 65,590 | 18,443 | 336,129 | 420,162 |
| | Orange County | | | 11,062 | 44,248 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11,062 | - | 44,248 | 55,310 |
| | TJCOG | | | 13,750 | 55,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13,750 | - | 55,000 | 68,750 |
| | TTA | | $215,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 85,500 | 85,500 | 684,000 | 0 | 0 | 0 | 300,500 | 85,500 | 684,000 | 1,070,000 |
| | CHT | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 35,453 | 35,453 | 283,621 | 26,250 | 26,250 | 210,000 | 61,703 | 61,703 | 493,621 | 617,027 |
| | DATA | | | 0 | | | | 19,195 | 19,195 | 153,563 | 30,634 | 30,634 | 245,075 | | | | 49,830 | 49,830 | 398,638 | 498,298 |
| | Durham County | | | 12,029 | 48,115 | | | | | | | | | | | | 12,029 | - | 48,115 | 60,143 |
| | LPA | | | 302,508 | 1,210,034 | 84,273 | 337,090 | | | | | | | | | | 386,781 | - | 1,547,124 | 1,933,905 |
| | NCDOT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | - | - | - | - |
| | | | | | | | | | | | | | 0 | | | | | | | |
| Totals | | $0 | $215,000 | $471,018 | $1,884,072 | $84,273 | $337,090 | $37,638 | $37,638 | $301,105 | $151,587 | $151,587 | $1,212,696 | $26,250 | $26,250 | $210,000 | $985,766 | $215,475 | $3,944,962 | 5,146,203 |

MPO Summary (FHWH/FTA Funds)

**Durham-Chapel Hill-Carrboro Urban Area**
**FY 2014-2015 Unified Planning Work Program**
**Proposed Funding Source Tables - FHWA/FTA Funds**

**MPO Summary**
**5/13/2014 18:07**

| | Task Description | SPR Highway NCDOT 20% | Local Transit local 100 | STP-DA 133(b)(3)(7) Local 20% | STP-DA 133(b)(3)(7) FHWA 80% | Sec. 104(f) PL Local 20% | Sec. 104(f) PL FHWA 80% | Section 5303 Highway/Transit Local 10% | Section 5303 Highway/Transit NCDOT 10% | Section 5303 Highway/Transit FTA 80% | Section 5307 Transit Local 10% | Section 5307 Transit NCDOT 10% | Section 5307 Transit FTA 80% | Section 5309 Transit Local 25% | Section 5309 Transit NCDOT 25% | Section 5309 Transit FTA 50% | Task Funding Summary Local | Task Funding Summary NCDOT | Task Funding Summary Federal | Task Funding Summary Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| II A | **Surveillance of Change** | | | | | | | | | | | | | | | | | | | |
| II A 1 | Traffic Volume Counts | 0 | 0 | 22,731 | 90,923 | 5,000 | 20,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27,731 | - | 110,923 | 138,654 |
| 2 | Vehicle Miles of Travel | 0 | 0 | 2,416 | 9,665 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,416 | - | 9,665 | 12,081 |
| 3 | Street System Changes | 0 | 0 | 552 | 2,209 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 552 | - | 2,209 | 2,762 |
| 4 | Traffic Accidents | 0 | 0 | 762 | 3,046 | 600 | 2,400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,362 | - | 5,446 | 6,808 |
| 5 | Transit System Data | 0 | 125,000 | 300 | 1,200 | 0 | 0 | 7,933 | 7,933 | 63,463 | 6,888 | 6,888 | 55,103 | 0 | 0 | 0 | 140,121 | 14,821 | 119,765 | 274,706 |
| 6 | Dwelling Unit, Pop. & Emp. Change | 0 | 0 | 7,988 | 31,953 | 250 | 1,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,238 | - | 32,953 | 41,192 |
| 7 | Air Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 8 | Vehicle Occupancy Rates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 9 | Travel Time Studies | 0 | 0 | 26,606 | 106,423 | 5,000 | 20,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31,606 | - | 126,423 | 158,029 |
| 10 | Mapping | 0 | 0 | 23,292 | 93,169 | 5,000 | 20,000 | 5,267 | 5,267 | 42,138 | 1,376 | 1,376 | 11,007 | 0 | 0 | 0 | 34,935 | 6,643 | 166,314 | 207,892 |
| 11 | Central Area Parking Inventory | 0 | 0 | 306 | 1,225 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 306 | - | 1,225 | 1,532 |
| 12 | Bike & Ped. Facilities Inventory | 0 | 0 | 454 | 1,815 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 454 | - | 1,815 | 2,268 |
| 13 | Bike & Ped. Counts | 0 | 0 | 8,567 | 34,267 | 2,500 | 10,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11,067 | - | 44,267 | 55,334 |
| II B | **Long Range Transp. Plan** | | | | | | | | | | | | | | | | | | | |
| B 1 | Collection of Base Year Data | 0 | 0 | 8,269 | 33,077 | 1,400 | 5,600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,669 | - | 38,677 | 48,347 |
| 2 | Collection of Network Data | 0 | 0 | 407 | 1,626 | 613 | 2,450 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,019 | - | 4,076 | 5,096 |
| 3 | Travel Model Updates | 0 | 90,000 | 55,306 | 221,223 | 2,250 | 9,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 147,556 | - | 230,223 | 377,779 |
| 4 | Travel Surveys | 0 | 0 | 26,345 | 105,382 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26,345 | - | 105,382 | 131,727 |
| 5 | Forecast of Data to Horizon year | 0 | 0 | 15,406 | 61,623 | 1,000 | 4,000 | 4,037 | 4,037 | 32,295 | 0 | 0 | 0 | 0 | 0 | 0 | 20,443 | 4,037 | 97,918 | 122,397 |
| 6 | Community Goals & Objectives | 0 | 0 | 73 | 290 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 | - | 290 | 363 |
| 7 | Forecast of Futurel Travel Patterns | 0 | 0 | 6,750 | 26,999 | 875 | 3,500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,625 | - | 30,499 | 38,124 |
| 8 | Capacity Deficiency Analysis | 0 | 0 | 7,797 | 31,187 | 2,500 | 10,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,297 | - | 41,187 | 51,483 |
| 9 | Highway Element of th LRTP | 0 | 0 | 1,832 | 7,330 | 900 | 3,600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,732 | - | 10,930 | 13,662 |
| 10 | Transit Element of the LRTP | 0 | 0 | 8,795 | 35,179 | 750 | 3,000 | 326 | 326 | 2,610 | 483 | 483 | 3,862 | 0 | 0 | 0 | 10,354 | 809 | 44,651 | 55,814 |
| 11 | Bicycle & Ped. Element of the LRTP | 0 | 0 | 57,143 | 228,574 | 1,000 | 4,000 | 758 | 758 | 6,061 | 0 | 0 | 0 | 0 | 0 | 0 | 58,901 | 758 | 238,634 | 298,293 |
| 12 | Airport/Air Travel Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 13 | Collector Street Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 14 | Rail, Water or other mode of LRTP | 0 | 0 | 513 | 2,051 | 220 | 880 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 733 | - | 2,931 | 3,663 |
| 15 | Freight Movement/Mobility Planning | 0 | 0 | 16,625 | 66,500 | 875 | 3,500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17,500 | - | 70,000 | 87,500 |
| 16 | Financial Planning | 0 | 0 | 0 | 0 | 0 | 0 | 540 | 540 | 4,318 | 35,271 | 35,271 | 282,169 | 0 | 0 | 0 | 35,811 | 35,811 | 286,487 | 358,109 |
| 17 | Congestion Management Strategies | 0 | 0 | 14,432 | 57,727 | 4,850 | 19,400 | 153 | 153 | 1,220 | 0 | 0 | 0 | 0 | 0 | 0 | 19,434 | 153 | 78,347 | 97,934 |
| 18 | Air Qual. Planning/Conformity Anal. | 0 | 0 | 859 | 3,436 | 500 | 2,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,359 | - | 5,436 | 6,795 |
| II C | **Short Range Transit Planning** | | | | | | | | | | | | | | | | | | | |
| 1 | Short Range Transit Planning | 0 | 0 | 1,492 | 5,970 | 0 | 0 | 3,426 | 3,426 | 27,409 | 10,682 | 10,682 | 85,458 | 0 | 0 | 0 | 15,601 | 14,108 | 118,836 | 148,546 |
| III-A | **Planning Work Program** | 0 | 0 | 4,630 | 18,519 | 10,000 | 40,000 | 0 | 0 | 0 | 248 | 248 | 1,985 | 0 | 0 | 0 | 14,878 | 248 | 60,505 | 75,631 |
| III-B | **Transp. Improvement Plan** | 0 | 0 | 6,036 | 24,142 | 5,000 | 20,000 | 652 | 652 | 5,219 | 1,217 | 1,217 | 9,737 | 0 | 0 | 0 | 12,905 | 1,869 | 59,098 | 73,872 |
| III-C | **Cvl Rgts. Cmp./Otr .Reg. Reqs.** | | | | | | | | | | | | | | | | | | | |
| 1 | Title VI | 0 | 0 | 2,239 | 8,957 | 2,500 | 10,000 | 326 | 326 | 2,610 | 350 | 350 | 2,803 | 0 | 0 | 0 | 5,416 | 677 | 24,370 | 30,463 |
| 2 | Environmental Justice | 0 | 0 | 1,623 | 6,491 | 1,250 | 5,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,873 | - | 11,491 | 14,364 |
| 3 | Minority Business Enterprise | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 248 | 248 | 1,982 | 0 | 0 | 0 | 248 | 248 | 1,982 | 2,477 |
| 4 | Planning for the Elderly & Disabled | 0 | 0 | 73 | 290 | 0 | 0 | 0 | 0 | 0 | 893 | 893 | 7,147 | 0 | 0 | 0 | 966 | 893 | 7,437 | 9,297 |
| 5 | Safety/Drug Control Planning | 0 | 0 | 1,075 | 4,299 | 2,000 | 8,000 | 0 | 0 | 0 | 250 | 250 | 2,004 | 0 | 0 | 0 | 3,325 | 250 | 14,303 | 17,879 |
| 6 | Public Involvement | 0 | 0 | 8,881 | 35,525 | 6,375 | 25,500 | 326 | 326 | 2,610 | 1,137 | 1,137 | 9,096 | 0 | 0 | 0 | 16,719 | 1,463 | 72,730 | 90,913 |
| 7 | Private Sector Participation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| III-D | **Incidental Plng./Project Dev.** | | | | | | | | | | | | | | | | | | | |
| 1 | Transportation Enhancement Plng. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 2 | Enviro. Analysis & Pre-TIP Plng. | 0 | 0 | 4,143 | 16,571 | 375 | 1,500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,518 | - | 18,071 | 22,589 |
| 3 | Special Studies | 0 | 0 | 66,628 | 266,511 | 0 | 0 | 1,209 | 1,209 | 9,670 | 85,500 | 85,500 | 684,000 | 26,250 | 26,250 | 210,000 | 179,586 | 112,959 | 1,170,180 | 1,462,725 |
| 4 | Regional or Statewide Planning | 0 | 0 | 19,906 | 79,625 | 2,390 | 9,560 | 1,852 | 1,852 | 14,814 | 900 | 900 | 7,200 | 0 | 0 | 0 | 25,048 | 2,752 | 111,200 | 139,000 |
| III- E | **Management & Operations** | | | | | | | | | | | | | | | | | | | |
| 1 | Management & Operations | 0 | 0 | 39,768 | 159,071 | 18,300 | 73,200 | 10,834 | 10,834 | 86,670 | 6,143 | 6,143 | 49,143 | 0 | 0 | 0 | 75,044 | 16,977 | 368,083 | 460,104 |
| Totals | | $0 | $215,000 | $471,018 | $1,884,072 | $84,273 | $337,090 | $37,638 | $37,638 | $301,104 | $151,587 | $151,587 | $1,212,696 | $26,250 | $26,250 | $210,000 | $985,765 | $215,475 | $3,944,962 | $5,146,202 |

NOTE: Section 9 carryover funds are not refelcted (NOT included)

Composite Agencies
Summary Tables (PL/STP-DA)

# Durham-Chapel Hill-Carrboro Urban Area
## FY 2014-2015 Unified Planning Work Program
## Composite Agencies Summary Tables (PL &STP-DA Funds)

MPO Summary
4/2/2014 7:24

| | | Task Description | Chapel Hill | | | Carrboro | | | Orange | | | TJCOG | | | Durham | | | Dur Cnty | | | LPA | | | MPO | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Local 20% | FHWA 80% | Total 100% | Local 20% | FHWA 80% | Total 100% | Local 20% | FHWA 80% | Total 100% | Local 20% | FHWA 80% | Total 100% | Local 20% | FHWA 80% | Total 100% | Local 20% | FHWA 80% | Total 100% | Local 20% | FHWA 80% | Total 100% | Local 20% | FHWA 80% | Total 100% |
| II | A | Surveillance of Change | | | | | | | | | | | | | | | | | | | | | | | | |
| II | A 1 | Traffic Volume Counts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27,731 | 110,923 | 138,654 | 27,731 | 110,923 | 138,654 |
| | 2 | Vehicle Miles of Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,416 | 9,665 | 12,081 | 2,416 | 9,665 | 12,081 |
| | 3 | Street System Changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 552 | 2,209 | 2,762 | 552 | 2,209 | 2,762 |
| | 4 | Traffic Accidents | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,362 | 5,446 | 6,808 | 1,362 | 5,446 | 6,808 |
| | 5 | Transit System Data | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 300 | 1,200 | 1,500 | 300 | 1,200 | 1,500 |
| | 6 | Dwelling Unit, Pop. & Emp. Change | 0 | 0 | 0 | 0 | 0 | 0 | 1,272 | 5,086 | 6,358 | 0 | 0 | 0 | 211 | 845 | 1,056 | 169 | 676 | 846 | 6,587 | 26,346 | 32,933 | 8,238 | 32,953 | 41,192 |
| | 7 | Air Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 8 | Vehicle Occupancy Rates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 9 | Travel Time Studies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31,606 | 126,423 | 158,029 | 31,606 | 126,423 | 158,029 |
| | 10 | Mapping | 6,003 | 24,014 | 30,017 | 478 | 1,911 | 2,388 | 580 | 2,320 | 2,900 | 0 | 0 | 0 | 211 | 845 | 1,056 | 259 | 1,036 | 1,295 | 20,761 | 83,043 | 103,804 | 28,292 | 113,169 | 141,461 |
| | 11 | Central Area Parking Inventory | 0 | 0 | 0 | 66 | 265 | 332 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 240 | 960 | 1,200 | 306 | 1,225 | 1,532 |
| | 12 | Bike & Ped. Facilities Inventory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 454 | 1,815 | 2,268 | 454 | 1,815 | 2,268 |
| | 13 | Bike & Ped. Counts | 0 | 0 | 0 | 1,200 | 4,800 | 6,000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9,867 | 39,467 | 49,334 | 11,067 | 44,267 | 55,334 |
| II | B | Long Range Transp. Plan | | | | | | | | | | | | | | | | | | | | | | | | |
| | B 1 | Collection of Base Year Data | 0 | 0 | 0 | 480 | 1,921 | 2,401 | 975 | 3,900 | 4,874 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8,214 | 32,857 | 41,071 | 9,669 | 38,677 | 48,347 |
| | 2 | Collection of Network Data | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,019 | 4,076 | 5,096 | 1,019 | 4,076 | 5,096 |
| | 3 | Travel Model Updates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57,556 | 230,223 | 287,779 | 57,556 | 230,223 | 287,779 |
| | 4 | Travel Surveys | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26,345 | 105,382 | 131,727 | 26,345 | 105,382 | 131,727 |
| | 5 | Forecast of Data to Horizon year | 2,494 | 9,976 | 12,470 | 480 | 1,921 | 2,401 | 975 | 3,900 | 4,874 | 0 | 0 | 0 | 2,147 | 8,589 | 10,736 | 3,476 | 13,902 | 17,378 | 6,834 | 27,335 | 34,169 | 16,406 | 65,623 | 82,028 |
| | 6 | Community Goals & Objectives | 0 | 0 | 0 | 73 | 290 | 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 | 290 | 363 |
| | 7 | Forecast of Futurel Travel Patterns | 970 | 3,878 | 4,848 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,655 | 26,621 | 33,276 | 7,625 | 30,499 | 38,124 |
| | 8 | Capacity Deficiency Analysis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,297 | 41,187 | 51,483 | 10,297 | 41,187 | 51,483 |
| | 9 | Highway Element of th LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 880 | 3,520 | 4,400 | 0 | 0 | 0 | 1,852 | 7,410 | 9,262 | 2,732 | 10,930 | 13,662 |
| | 10 | Transit Element of the LRTP | 1,684 | 6,736 | 8,420 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 880 | 3,520 | 4,400 | 4,897 | 19,588 | 24,485 | 2,084 | 8,335 | 10,419 | 9,545 | 38,179 | 47,724 |
| | 11 | Bicycle & Ped. Element of the LRTP | 21,259 | 85,037 | 106,296 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 31,880 | 127,520 | 159,400 | 0 | 0 | 0 | 5,004 | 20,017 | 25,021 | 58,143 | 232,574 | 290,717 |
| | 12 | Airport/Air Travel Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 13 | Collector Street Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 14 | Rail, Water or other mode of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 733 | 2,931 | 3,663 | 733 | 2,931 | 3,663 |
| | 15 | Freight Movement/Mobility Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17,500 | 70,000 | 87,500 | 17,500 | 70,000 | 87,500 |
| | 16 | Financial Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 17 | Congestion Management Strategies | 4,210 | 16,840 | 21,050 | 109 | 436 | 545 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14,963 | 59,852 | 74,815 | 19,282 | 77,127 | 96,409 |
| | 18 | Air Qual. Planning/Conformity Anal. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,359 | 5,436 | 6,795 | 1,359 | 5,436 | 6,795 |
| II | C | Short Range Transit Planning | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 1 | Short Range Transit Planning | 0 | 0 | 0 | 327 | 1,307 | 1,634 | 1,166 | 4,663 | 5,828 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,492 | 5,970 | 7,462 |
| III-A | | Planning Work Program | 610 | 2,440 | 3,050 | 327 | 1,307 | 1,634 | 392 | 1,568 | 1,960 | 0 | 0 | 0 | 598 | 2,394 | 2,992 | 267 | 1,067 | 1,333 | 12,436 | 49,744 | 62,180 | 14,630 | 58,519 | 73,149 |
| III-B | | Transp. Improvement Plan | 915 | 3,660 | 4,575 | 436 | 1,743 | 2,179 | 736 | 2,946 | 3,682 | 0 | 0 | 0 | 2,640 | 10,560 | 13,200 | 0 | 0 | 0 | 6,308 | 25,234 | 31,542 | 11,036 | 44,142 | 55,178 |
| III-C | | Cvl Rgts. Cmp./Otr .Reg. Reqs. | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 1 | Title VI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,056 | 4,224 | 5,280 | 0 | 0 | 0 | 3,683 | 14,733 | 18,417 | 4,739 | 18,957 | 23,697 |
| | 2 | Environmental Justice | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,873 | 11,491 | 14,364 | 2,873 | 11,491 | 14,364 |
| | 3 | Minority Business Enterprise | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 4 | Planning for the Elderly & Disabled | 0 | 0 | 0 | 73 | 290 | 363 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 73 | 290 | 363 |
| | 5 | Safety/Drug Control Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,075 | 12,299 | 15,374 | 3,075 | 12,299 | 15,374 |
| | 6 | Public Involvement | 0 | 0 | 0 | 276 | 1,106 | 1,382 | 0 | 0 | 0 | 0 | 0 | 0 | 722 | 2,886 | 3,608 | 0 | 0 | 0 | 14,258 | 57,033 | 71,291 | 15,256 | 61,025 | 76,281 |
| | 7 | Private Sector Participation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| III-D | | Incidental Plng./Project Dev. | | | | | | | | | | | | | | | | | | | | | | | | 0 |
| | 1 | Transportation Enhancement Plng. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 2 | Enviro. Analysis & Pre-TIP Plng. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,344 | 13,376 | 16,720 | 0 | 0 | 0 | 1,174 | 4,695 | 5,869 | 4,518 | 18,071 | 22,589 |
| | 3 | Special Studies | 854 | 3,416 | 4,270 | 30,510 | 122,041 | 152,551 | 198 | 792 | 990 | 0 | 0 | 0 | 0 | 0 | 0 | 1,170 | 4,682 | 5,852 | 33,895 | 135,580 | 169,475 | 66,628 | 266,511 | 332,138 |
| | 4 | Regional or Statewide Planning | 1,220 | 4,880 | 6,100 | 0 | 0 | 0 | 636 | 2,543 | 3,179 | 13,750 | 55,000 | 68,750 | 774 | 3,098 | 3,872 | 817 | 3,267 | 4,084 | 5,099 | 20,397 | 25,497 | 22,296 | 89,185 | 111,482 |
| III-E | | Management & Operations | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | Management & Operations | 6,928 | 27,711 | 34,639 | 1,967 | 7,868 | 9,836 | 4,133 | 16,531 | 20,664 | 0 | 0 | 0 | 2,376 | 9,504 | 11,880 | 974 | 3,896 | 4,870 | 41,690 | 166,759 | 208,449 | 58,068 | 232,271 | 290,338 |
| Totals | | | 47,147 | 188,588 | 235,735 | 36,802 | 147,206 | 184,008 | 11,062 | 44,248 | 55,310 | 13,750 | 55,000 | 68,750 | 47,720 | 190,880 | 238,600 | 12,029 | 48,115 | 60,143 | 386,781 | 1,547,124 | 1,933,905 | 555,290 | 2,221,162 | 2,776,452 |

NOTE: Section 9 carryover funds are not refelcted (NOT included)

**FHWA Planning Funds**
**MPO PL & STP-DA Total**

## Durham-Chapel Hill-Carrboro Urban Area
## FY 2014-2015 Unified Planning Work Program
## MPO PL & STP-DA Summary Total

04/02/14

| | Task Description | STP-DA Section 133(b)(3)(7) | | | PL Section 104(f) | | | Total FHWA Planning Funds | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Local 20% | FHWA 80% | Total 100% | Local 20% | FHWA 80% | Total 100% | Local 20% | FHWA 80% | Total 100% |
| II A | **Surveillance of Change** | | | | | | | | | |
| II A 1 | Traffic Volume Counts | 22,731 | 90,923 | 113,654 | 5,000 | 20,000 | 25,000 | 27,731 | 110,923 | 138,654 |
| 2 | Vehicle Miles of Travel | 2,416 | 9,665 | 12,081 | 0 | 0 | 0 | 2,416 | 9,665 | 12,081 |
| 3 | Street System Changes | 552 | 2,209 | 2,762 | 0 | 0 | 0 | 552 | 2,209 | 2,762 |
| 4 | Traffic Accidents | 762 | 3,046 | 3,808 | 600 | 2,400 | 3,000 | 1,362 | 5,446 | 6,808 |
| 5 | Transit System Data | 300 | 1,200 | 1,500 | 0 | 0 | 0 | 300 | 1,200 | 1,500 |
| 6 | Dwelling Unit, Pop. & Emp. Change | 7,988 | 31,953 | 39,942 | 250 | 1,000 | 1,250 | 8,238 | 32,953 | 41,192 |
| 7 | Air Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Vehicle Occupancy Rates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Travel Time Studies | 26,606 | 106,423 | 133,029 | 5,000 | 20,000 | 25,000 | 31,606 | 126,423 | 158,029 |
| 10 | Mapping | 23,292 | 93,169 | 116,461 | 5,000 | 20,000 | 25,000 | 28,292 | 113,169 | 141,461 |
| 11 | Central Area Parking Inventory | 306 | 1,225 | 1,532 | 0 | 0 | 0 | 306 | 1,225 | 1,532 |
| 12 | Bike & Ped. Facilities Inventory | 454 | 1,815 | 2,268 | 0 | 0 | 0 | 454 | 1,815 | 2,268 |
| 13 | Bike & Ped. Counts | 8,567 | 34,267 | 42,834 | 2,500 | 10,000 | 12,500 | 11,067 | 44,267 | 55,334 |
| II B | **Long Range Transp. Plan** | | | | | | | | | |
| B 1 | Collection of Base Year Data | 8,269 | 33,077 | 41,347 | 1,400 | 5,600 | 7,000 | 9,669 | 38,677 | 48,347 |
| 2 | Collection of Network Data | 407 | 1,626 | 2,033 | 613 | 2,450 | 3,063 | 1,019 | 4,076 | 5,096 |
| 3 | Travel Model Updates | 55,306 | 221,223 | 276,529 | 2,250 | 9,000 | 11,250 | 57,556 | 230,223 | 287,779 |
| 4 | Travel Surveys | 26,345 | 105,382 | 131,727 | 0 | 0 | 0 | 26,345 | 105,382 | 131,727 |
| 5 | Forecast of Data to Horizon year | 15,406 | 61,623 | 77,028 | 1,000 | 4,000 | 5,000 | 16,406 | 65,623 | 82,028 |
| 6 | Community Goals & Objectives | 73 | 290 | 363 | 0 | 0 | 0 | 73 | 290 | 363 |
| 7 | Forecast of Futurel Travel Patterns | 6,750 | 26,999 | 33,749 | 875 | 3,500 | 4,375 | 7,625 | 30,499 | 38,124 |
| 8 | Capacity Deficiency Analysis | 7,797 | 31,187 | 38,983 | 2,500 | 10,000 | 12,500 | 10,297 | 41,187 | 51,483 |
| 9 | Highway Element of th LRTP | 1,832 | 7,330 | 9,162 | 900 | 3,600 | 4,500 | 2,732 | 10,930 | 13,662 |
| 10 | Transit Element of the LRTP | 8,795 | 35,179 | 43,974 | 750 | 3,000 | 3,750 | 9,545 | 38,179 | 47,724 |
| 11 | Bicycle & Ped. Element of the LRTP | 57,143 | 228,574 | 285,717 | 1,000 | 4,000 | 5,000 | 58,143 | 232,574 | 290,717 |
| 12 | Airport/Air Travel Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Collector Street Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Rail, Water or other mode of LRTP | 513 | 2,051 | 2,563 | 220 | 880 | 1,100 | 733 | 2,931 | 3,663 |
| 15 | Freight Movement/Mobility Planning | 16,625 | 66,500 | 83,125 | 875 | 3,500 | 4,375 | 17,500 | 70,000 | 87,500 |
| 16 | Financial Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | Congestion Management Strategies | 14,432 | 57,727 | 72,159 | 4,850 | 19,400 | 24,250 | 19,282 | 77,127 | 96,409 |
| 18 | Air Qual. Planning/Conformity Anal. | 859 | 3,436 | 4,295 | 500 | 2,000 | 2,500 | 1,359 | 5,436 | 6,795 |
| II C | **Short Range Transit Planning** | | | | | | | | | |
| 1 | Short Range Transit Planning | 1,492 | 5,970 | 7,462 | 0 | 0 | 0 | 1,492 | 5,970 | 7,462 |
| III-A | **Planning Work Program** | 4,630 | 18,519 | 23,149 | 10,000 | 40,000 | 50,000 | 14,630 | 58,519 | 73,149 |
| III-B | **Transp. Improvement Plan** | 6,036 | 24,142 | 30,178 | 5,000 | 20,000 | 25,000 | 11,036 | 44,142 | 55,178 |
| III-C | **Cvl Rgts. Cmp./Otr .Reg. Reqs.** | | | | | | | | | |
| 1 | Title VI | 2,239 | 8,957 | 11,197 | 2,500 | 10,000 | 12,500 | 4,739 | 18,957 | 23,697 |
| 2 | Environmental Justice | 1,623 | 6,491 | 8,114 | 1,250 | 5,000 | 6,250 | 2,873 | 11,491 | 14,364 |
| 3 | Minority Business Enterprise | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | Planning for the Elderly & Disabled | 73 | 290 | 363 | 0 | 0 | 0 | 73 | 290 | 363 |
| 5 | Safety/Drug Control Planning | 1,075 | 4,299 | 5,374 | 2,000 | 8,000 | 10,000 | 3,075 | 12,299 | 15,374 |
| 6 | Public Involvement | 8,881 | 35,525 | 44,406 | 6,375 | 25,500 | 31,875 | 15,256 | 61,025 | 76,281 |
| 7 | Private Sector Participation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| III-D | **Incidental Plng./Project Dev.** | | | | | | | | | |
| 1 | Transportation Enhancement Plng. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2 | Enviro. Analysis & Pre-TIP Plng. | 4,143 | 16,571 | 20,714 | 375 | 1,500 | 1,875 | 4,518 | 18,071 | 22,589 |
| | 3 | Special Studies | 66,628 | 266,511 | 333,138 | 0 | 0 | 0 | 66,628 | 266,511 | 333,138 |
| | 4 | Regional or Statewide Planning | 19,906 | 79,625 | 99,532 | 2,390 | 9,560 | 11,950 | 22,296 | 89,185 | 111,482 |
| | | | | | | | | | | | |
| III- E | | **Management & Operations** | | | | | | | | | |
| | 1 | Management & Operations | 39,768 | 159,071 | 198,838 | 18,300 | 73,200 | 91,500 | 58,068 | 232,271 | 290,338 |
| Totals | | | **471,018** | **1,884,072** | **2,355,089** | **84,273** | **337,090** | **421,363** | **555,290** | **2,221,162** | **2,776,452** |

# FY 2015 UPWP
# DCHC MPO Task Description and Summary Narrative

## II-A: Surveillance of Change

The MPO is required by federal regulations and the 3C process to perform continuous data monitoring and maintenance. A number of transportation and socio-economic/demographic conditions will be continuously surveyed and compiled annually to feed into various MPO technical analyses such as modeling, Metropolitan Transportation Plan update, Congestion Management Process, project development, Title VI planning, EJ/LEP demographic profiles, TIP, project prioritization, etc. The following data collection and monitoring tasks will be conducted during the FY 2015 UPWP period.

### Task II-A-1: Traffic Volume Counts

The Lead Planning Agency (LPA) will collect traffic counts and turning movement counts at specified locations. This task includes maintaining ADT counts and database for model calibration on arterial, minor arterial, and collector streets. The LPA will continue routine traffic counts data collection as part of the annual count program as well as on screen lines and cut lines for model validation. These counts will augment triennial traffic counts collected by NCDOT. Traffic counts will include daily, hourly, vehicle classification, or turning movements. The MPO agencies will be responsible for supplementing counts at specified locations within their jurisdiction and for furnishing the raw daily traffic counts, count information, and location maps to the Lead Planning Agency (LPA). The Traffic count data will feed into the MPO Congestion Management Process (CMP), Triangle Regional Model (TRM) maintenance and update, MPO GIS and Safety and Freight planning, TIP prioritization, and federally required performance measurement and establishment of targets. The following table illustrates the proposed FY 2015 count locations:

| Traffic Counts : Number of Data Collection Locations | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Number of Locations/Facilities by Jurisdiction -FY 2015 | | | | | | | | |
| Data Type | Durham | Dur County | Chapel Hill | Carrboro | Hillsborough | Orange | Chatham | **Total** |
| Traffic Volume:hourly, bi-direction, classification, speed. | 65 | 24 | 15 | 9 | 5 | 4 | 3 | 125 |
| TMC peak periods (cars, trucks, bike & ped) | 55 | 35 | 12 | 6 | 2 | 1 | 3 | 114 |
| Trucks-Classification – same as ADT | | | | | | | | |
| | | | | | | | | |

Task II-A-2: Vehicle Miles of Travel (VMT) Person Miles of Travel (PMT)

The LPA will continue to tabulate VMT by functional classification and County. As specified by the Metropolitan Transportation Plan Goals, Objectives and Targets, annual VMT growth will be monitored and compared to the LRTP Targets. The MPO will develop methodology for tracking multi-modal PMT. This information will help to develop performance measures required by MAP 21 and also help determine if the Plan targets are being met. This will feed into the Highway Performance Monitoring System (HPMS). The LPA will continue to generate VMT metric from the Triangle Regional Model.

Task II-A-3: Street System Mileage Change

The MPO will update inventory of improvements to municipal street system and update the inventory of signalization on existing major streets to provide accurate inputs for the Triangle Regional Model (TRM). The MPO will monitor changes in street mileage systems from previous years and summarize inventory by functional classification. The Town of Chapel Hill, the Town of Carrboro, and the City of Durham will obtain from the NCDOT Division 7 and 5 offices and compile in database, improvements to the state highway system, whether planned, underway, or completed. Each municipality will compile and maintain similar records for its municipal street system. The MPO municipalities participating in the Powell Bill Program will certify street mileage maintained during this fiscal year. The product of this task will feed into the MPO GIS and data management system. The objective is that, periodically or as changes or additions to the major street system occur, street inventory will be updated and be current through the proposed data automation and management system. This data will also feed into the MPO Performance measures as required by MAP-21.

Task II-A-4: Traffic Accidents (Crash/Safety)

The LPA will collect route traffic accident data from TEES and prepare a summary and analysis of high accident locations by mode as well as compare data analysis to previous years' results. Crash data will include auto, bike and pedestrian crashes for the latest three (3) year period within the MPO Metropolitan Planning Boundary. This task will align, build off of and support the safety work of the NCDOT as required by federal regulations. The task will feed into the MPO Congestion Management Process (CMP), MPO MTIP ranking and project prioritization, SPOT, Mobility funds and Urban Loop funds prioritization, etc. The LPA will develop the FY 2015 MPO Safety Report.

Task II-A-5: Transit System Data

The LPA will undertake a comprehensive transit system data collection effort during this fiscal year. Transit data will be collected for the four MPO transit providers, the Durham Area Transit Authority (DATA), Chapel Hill Transit (CHT), the Triangle Transit Authority (TTA) and Duke University Transit. This will include APC data to evaluate transit service performance, route productivity, and develop standards. Transit operators will identify strengths and weaknesses of service by route in order to assess service barriers and future options. Information will be used to monitor service and meet FTA NTD reporting requirements. APC data will be summarized and tabulated for CHT, DATA , Duke and TTA (fall 2014 and spring 2015) as follows: stop level, trip level, time period (peak/non peak) level, segment by trip, segment by time period, spatial analysis (TAZ and Census Tract) and micro analysis (system level). The variables to be collected include but are not limited to:

Route/Line
Trip Start Time
Average Number of Riders
Average Passengers Per Hour
Average Passengers Per Mile
Average Load
Average Max Load
Average Load Factor
Total distance traveled
Average Passenger Trip Length
Average Velocity
Average Actual Run Time
Scheduled Run Time
Average Passenger Miles
Average Passenger Hours
Average Dwell Time
Number of Samples per trip
Total Actual Run Time
Total Scheduled Run Time

Temporal resolution: Average Weekday, Saturday, Sunday, and peak periods.
Time Period. Where: Time Period 1 is 3am – 5:59am; Time Period 2 is 6am – 8:59am; Time Period 3 is 9am – 2:59pm; Time Period 4 is 3pm – 5:59pm and Time Period 5 is 6pm – 2:59am.

Spatial resolution to include leg, TAZ, Census Block and Census Tracks.

Task II-A-6: Dwelling Unit / Population and Employment Changes

The LPA will maintain inventory of dwelling units and population to track changes and to compare with assumptions used in the adopted MTP and CTP. Changes in developments will be used to determine needed changes in transportation services and how well developments compare to current and projected demands. The LPA continues to review developments to assess impacts to the 2040 Metropolitan Transportation Plan (2040 MTP),socio-economic and demographic data for MTP update, update of Community Viz land-use scenario planning, land-use model update, and transportation project development. Changes in dwelling units and employment within the MPO will be identified and evaluated to determine accuracy and consistency with the socio-economic forecast. The MPO will review and tabulate Census data, local parcel, zoning, tax data records, InfoUSA, and Employment Security Commission data as part of this monitoring task. The MPO will continue work on the update and enhancement of the MPO GIS enterprise and the Employment Analyst.

Task II-A-7: Air Travel
The MPO will undertake routine collection of travel and passenger data at the Raleigh-Durham International Airport (RDU): Data to be collected and analyzed include but are not limited to number of

daily flights, number of daily enplaned passengers, number of deplaned passengers, ground transportation, and tons of cargo activity. The purpose of the data collection and monitoring is to determine the influence of RDU as a special generator on the regional transportation system as well as to identify needs for additional services.

Task II-A-9: Travel Time Studies

The MPO will continue routine travel-time runs (floating car technique) on selected links during peak period to provide accurate inputs for applications such as the travel model update and the CMP. MPO will continue evaluation of travel time field data collector and validation using INRIX and other Bluetooth. The LPA is proposing collecting highway/auto travel time and speed along 124 facilities and transit travel time/speed on approximately 85 routes (including TTA route) within the DCHC MPO planning area.

| Traffic Counts : Number of Data Collection Locations | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Number of Locations/Facilities by Jurisdiction - FY 2015 | | | | | | | | |
| Data Type | Durham | Dur County | Chapel Hill | Carrboro | Hillsborough | Orange | Chatham | **Total** |
| Travel Time | 35 | 30 | 5 | 3 | 8 | 3 | 6 | 90 |

Task II-A-10: Mapping

This task will include but not be limited to mapping of, and geo-spatial updates to, UPWP transportation planning activities such as the CMP, traffic counts, bicycle and pedestrian counts and inventory, transit routes, land use, traffic analysis zones, socio-economic and demographic trends, Title VI and environmental factors. The MPO will continue to update base maps for corridor studies and project planning. Work will continue on the development and update of the GIS online. Work will continue on the update and enhancement of mapping for the MPO website and Public Involvement planning. Work will also continue on the integration and maintenance of the Employment Analyst, community Viz and enterprise GIS. The LPA will continue to improve MPO GIS support for short and long-range transportation plans by providing visualization enhancement and as required by federal regulations, including creating and maintaining metadata and data catalog for MPO planning area. MPO transit operators will update GIS data for transit routes, stops and segments including attributes. The LPA will continue work associated with management of MPO database, ArcGIS shape files and Google KML files. Expected deliverables and work products are summarized as follows:

- Update and enhancements GIS Online portals
- GIS online mappings
- Maintenance and development of updated MPO data collection maps
- Transit APC mapping
- Updated transit routes, stops, segments with attributes.

- Maintain project inventory geospatial and tabular data related to transit component of the CTP, MTP and TIP
- Parking inventory spatial database and mapping
- ADT mapping in support of planning needs
- Data mapping in support of planning needs
- Employment Analyst enhancements
- Base year tear socio economic and demographic maps
- LEP/EJ demographic profiles mapping
- Updated local and composite street centerline mapping
- Updated NAVTED street layer
- Crash and safety mapping in support of planning needs and project development.

Task II-A-11: Central Area Parking Inventory

The LPA will continue data collection and inventory of on- and off- street parking facilities in the Central Business Districts (CBD), major generators and universities. Parking data to be collected include number of spaces, parking fee rates (hourly daily, and monthly), average weekday costs and demand. Parking information collected will help in the calibration and maintenance of the travel model. The LPA will update the parking inventory and usage spatial geodatabase.

Task II-A-12: Bike & Pedestrian Facilities Inventory

The MPO will continue to conduct inventory of bicycle and pedestrian facilities as part of the CMP and the development of performance measure. The proposed inventory will provide accurate inputs for the travel model update as well as help identify future sidewalk project needs, guide pedestrian improvement planning, and support specific projects, such as the Comprehensive Bicycle Plan, Comprehensive Pedestrian Plan and TIP/SPOT prioritization.

Task II-A-13: Bicycle and Pedestrian Counts

The LPA staff will continue to participate in bicycle and pedestrian planning in the region and provide technical assistance/coordination to other government units as needed. The 2035 LRTP and 2040 MTP support and encourage bicycle and pedestrian planning and staff continue to work toward achieving those goals. The primary activity in this task will be the further development of the bicycle system inventory using the planning and mapping tool GIS online and Google Earth. The MPO will continue to conduct an inventory of bicycle and pedestrian facilities as part of the CMP and the development of performance measure. The proposed inventory will provide accurate inputs for the travel model update as well as help identify future sidewalk project needs, guide pedestrian improvement planning, and to support specific projects, such as the Comprehensive Bicycle Plan and Comprehensive Pedestrian Plan and TIP/SPOT prioritization. Also, inventory of bicycle and pedestrian counts will continue to be conducted as part of the Congestion Management Process and the MAP-21 performance measures development. The inventory will guide pedestrian improvement planning, and to support specific projects, such as the Comprehensive Bicycle Plan, Comprehensive Pedestrian Plan, development of Transportation Alternatives (TA) funding allocation criteria, etc.

| Bike & Pedestrian Counts : Number of Data Collection Locations | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Number of Locations/Facilities by Jurisdiction -FY 2015 | | | | | | | | |
| Data Type | Durham | Dur County | Chapel Hill | Carrboro | Hillsborough | Orange | Chatham | Total |
| | | | | | | | | |
| | | | | | | | | |
| Bike & Pedestrian Count (mid block, int, 12-hour) | 60 | 12 | 30 | 15 | 5 | 4 | 4 | 130 |
| | | | | | | | | |

**II-B: Long Range Transportation Plan Activities**

Federal Law (as updated by SAFETEA_LU) and USDOT's Metropolitan Planning Regulations require the MPO to have a Long-Range Transportation Plan (LRTP) that is: multi-modal, financially constrained, has a minimum 20 year horizon, adheres to the MPO's adopted Public Involvement Policy (PIP), have growth forecasts consistent with latest planning assumptions and local land use plan, meet air quality conformity and be approved by the Transportation Advisory Committee. The LRTP must be updated and reaffirmed every 4 years. The DCHC will continue tasks associated with the development of the comprehensive transportation plan as well as commence data collection preparation for the 2015 model base year. The MPO will continue to work on the development of strategy and procedure for timely and efficient development of the 2045 MTP.

Task II-B-1: Collection of Base Year Data

This work element provides travel and socio-economic data for the modeling update. The data collection initiatives include processing and analysis of Census, American Community Survey (ACS) and employment/special generator. These efforts will result in the creation of several travel modeling databases that will be used in the development and update of forecasting tools. The LPA will continue to update the socio-economic and demographic data for the base year model and Title VI demographic/ Minority and Low Income (MLI) profiles. Work activities will include update, estimation and tabulation of the following data elements; population, housing, income, auto ownership, Limited English Proficiency, linguistically isolated households, workers, head of household, Environmental Justice, linguistic demographic factors, ACS community patterns, school enrollment, etc. It is expected that these variables will be linked to the proposed data automation projects and a GIS database and management system will be used to maintain the aforementioned socio-economic and land use information. An integral part of this task also will be continuous data verification, reconciliation, and quality and error checks.

Task II-B-2: Collection of Network Data

The MPO will continue to update transportation/model network data. The proposed work activities will include collection and update of the following transportation network variables and attributes:

*A-Highways*: 1) posted speed limit; 2) number of lanes; 3) segment length; 4) turn pockets; 5) parking conditions; 6) traffic signal locations and stop conditions; 7) signal density; 8) access control and driveway conditions; 9) land use and area type; 10) free flow speeds; 11) Travel Time; 12) median condition; and 13) facility type and functional classification.

*B-Transit*: 1) headways; 2) speed; 3) hours of operation; 4) services miles; 5) fare structure; 6) transfer information; 7) schedule information; and 8) route information and service characteristics for each route.

*C-Bicycle and Pedestrian*: 1) mileage; 2) activity density; 3) neighborhood characteristics; 4) environment/friendliness factors/indices; and 5) connectivity.

Task II-B-3: Travel Model Updates

LPA staff will continue to be involved in the development, enhancement and update of the Triangle Regional Model (TRM). Specifically, work in this period will focus on the development, calibration and development of Version 6 of the model and preparatory work for version 7. This element provides for maintenance, improvement, and support of travel models housed at the Service Bureau . These models provide analytical tools for various transportation analyses, policy testing, and public outreach. Improvement activities involve developing new tools and techniques to enhance travel model applications in various areas . Support activities involve maintenance of the software and hardware of the modeling system, documentation, training of internal and member agencies' staff, and assisting consultants who are providing service to the regional projects. This element also provides for technical communication and participation at the State and federal (FHWA &FTA) levels to ensure the travel models are developed in a coordinated manner according to future needs and expectations. Consultants and University partnership/ assistance will be utilized in undertaking work activities under this task. Modeling activities proposed under this work element also cover advanced transit studies that include improvements on transit data collection methods and innovative methods of conducting transit surveys. The results of these studies will increase the quality of the transit forecasting models that are used in the New Starts application process.

The DCHC MPO in concert with CAMPO, NCDOT and the Triangle Transit develops and maintains a state of the practice regional travel demand model for predicting the impact of transportation investments and land-use policies on travel demand and air quality. The model is used by the MPO in development of the required MTP and CTP, by NCDOT in project development, STOP/TIP prioritization, Mobility funds ranking and loop prioritization, by TTA in new Start analysis and fixed guideway transit, and by local and state agencies for development impacts analysis and scenario planning. The main thrusts of the modeling work task proposed herein are summarized as follows:

- Monitor and understand changes in federal requirements as they affect MPO modeling.
- Continue to improve and enhance models and make them responsive to technical and policy questions the MPO seeks to answer.
- Research ways in which the state-of-the-practice is changing and develop modification and improvements in the modeling process to meet those standards.
- Acquire and process data so work program can be accomplished to meet federal requirements.
- Estimate, calibrate and validate current TRM as an on-going activity.
- Ensure that validation focuses on improvements to link level and route level performance.

- Ensure that TRM base year and futures years are ready for MTP alternative evaluation at least two years before hand.
- Document TRM so it can be understood and replicated.
- Document the modeling process so that its capabilities and limitations can be understood by policy makers and lay person.

Essentially, the modeling in the proposed work program involves the update, calibration and validation for the model to support the development of the TRM versions 6 and 7 and 2045 MTP. Update of the Triangle Regional Model (TRM) including improvements, enhancements and major updates. Proposed tasks include model sub-area enhancement and other improvements identified during the development of the 2040 MTP such as:

- Capacities revision
- Parking enhancement/parking choice
- Performance measures automation
- Net Manager Update
- Transit select link tools
- Population synthesizer
- Peak hour highway and transit demand forecasts
- Peak spreading
- Employee categorization/place of residence
- Free flow speed
- Destination choice improvements
- Script and input file modification and enhancement
- Integration of TRM and Moved
- Explore dynamic assignment

Task II-B-4: Travel Surveys

The DCHC MPO along with the other TRM stakeholders will undertake travel behavior survey (household survey) and Transit Onboard survey. The survey will be managed by the TRM Service Bureau, however the LPA staff will be involved in every facet of the survey and analysis.

Task II-B-5: Forecast of Data to Horizon Year

The LPA will continue to generate and update socio-economic and demographic projections and forecasts. CTP and MTP forecasts will continue to be re-evaluated and refined consistent with local land-use plans as well as State and regional land use policies.

Task II-B-6: Community Goals and Objectives

The MPO proposes to undertake preliminary work associated with the 2045 Goals and Objectives. The MPO will begin the process of facilitating local input for the Community Goals and Objectives section of the 2045 MTP. General input on community transportation priorities may also be sought

under this task listing. Although it is realized that the development of the 2045 MTP may primarily occur in FY15-16 and the subsequent fiscal year or years, the MPO proposes to prepare for the MTP development in advance.

Task II-B-7: Forecast of Future Travel Patterns

MPO will generate travel demand forecasts for future years including the LRTP horizon and air quality intermediate years. The forecast of travel patterns will include a review of these factors and comparison to community goals and objectives to determine if changes in assumptions are warranted.

Task II-B-8: Capacity Deficiency Analysis

The MPO will continue to update capacity deficiency analysis for the CTP, CMP and other project development activities. Essentially this task encompasses application of the Triangle Regional Model and other modeling tools to analyze deficiencies in the existing transportation system relative to anticipated future travel demand.

Task II-B-9: Highway Element of the LRTP

The MPO will continue with the evaluation of highway elements of the Comprehensive Transportation Plan and the MTP. Performance measures will be established for evaluating highway alternatives.

Task II-B-10: Transit Element of the LRTP

The MPO will continue with the evaluation of transit elements of the Comprehensive Transportation Plan, the MTP, County transit plans, and the regional New Starts. Transit evaluation will include fixed-route bus service, fixed-guideway transit, highway capacity transit and demand- response transit. Using travel behavior, ridership forecasts and other analysis, evaluation of transit element will look at unmet needs, new service areas and potential markets. Performance measures will be established for evaluating transit alternatives.

The MPO will continue to coordinate with TTA and other regional partners regarding the development of the regional commuter rail and light rail. Specifically, the MPO will conduct planning and studies for highway capacity transit and circulator transit and other planning work necessary for the preparation of the FTA Small-Start project. It is anticipated that this work will be accomplished with the help of consulting services.

Task II-B-11: Bicycle & Pedestrian Element of the LRTP

The MPO will continue with the evaluation of bicycle and pedestrian elements of the Comprehensive Transportation Plan and the MTP. The MPO will continue work on the Durham Comprehensive pedestrian Plan and the Old Durham-Chapel Hill Road bicycle and pedestrian feasibility study. Work will commence on the development of the Durham Comprehensive Bicycle Plan. The MPO will solicit consulting help in the development of the MPO bicycle and pedestrian educational brochures and pamphlets as well as Durham County bike map.

# FY 2015 UPWP
# DCHC MPO Task Description and Summary Narrative

Task II-B-12: Airport/Air Travel Element of LRTP

The MPO will continue with the evaluation of Airport/air travel element of the Metropolitan Transportation Plan, including inter-modal connection and access/ground transportation. Work task will include review of RDU plans and comparison and integration as necessary with the MTP for consistency.

Task II-B-13: Collector Street Element of LRTP

No activity proposed during this UPWP period.

Task II-B-14: Rail, Water, or other mode of LRTP

The MPO will work with NCDOT Rail Division and CAMPO regarding rail transportation in the Triangle. Work proposed includes but is not limited to survey of rail plans, relationship to the MPO Metropolitan Transportation Plan and Comprehensive Transportation Plan, programmatic impacts, etc.

Task II-B-15: Freight Movement/Mobility Planning

MPO will undertake tasks associated with urban goods movement, specifically freight accessibility and mobility. Tasks to be undertaken include survey of freight carriers, recommendations for improving truck mobility or train/truck intermodal movements, and identifying acceptable truck routes. The MPO will work with CAMPO, RTA, and NCDOT regarding the formation of regional freight stakeholder's advisory group.

Task II-B-16: Financial Planning

The Town of Chapel Hill will examine financial options for funding proposed transportation projects and programs, including review the financial planning assumptions/ projections in the 2040 LRTP and update of the Orange County Financial plan based on the collection of the half-cent sales tax.

Task II-B-17: Congestion Management Systems Strategies

The MPO will work to implement and monitor the Congestion Management Process (CMP) in accordance with the provisions of 23 U.S.C. and 23 CFR. Specifically, the MPO will continue with the update and monitoring of CMP strategies and State of the Systems Report.

Task II-B-18: Air Quality Planning/Conformity Analysis

The DCHC MPO (the Transportation Advisory Committee) is responsible for making a determination as to whether or not transportation plans, programs, and projects (LRTP and TIP) conform to air quality standards and the intent of the SIP. The LPA will continue to provide technical support to the TAC and TCC regarding air quality planning. In addition the LPA will continue participation in the development and application of State Implementation Plans for air quality, participation in the statewide interagency consultation, and providing assistance to NCDENR in developing and maintaining mobile source emission inventories.

# FY 2015 UPWP
# DCHC MPO Task Description and Summary Narrative

## Task II-C: Short Range Transit Planning

The MPO transit operators will continue activities related to short range transit planning. This includes continuous evaluation of their respective transit development plans and service performance.

## Task III-A: Planning Work Program

Unified Planning Work Program (UPWP) support includes conducting metropolitan planning and implementing planning activities for the MPO. This involves responding to regulations and mandates, and reporting information on 3C planning topics, including those identified in federal reauthorization legislation, and issues related to federal policies, regulations, and guidance, such as responding to federal Certification recommendations. Additionally, the LPA will provide support related to planning topics such as those highlighted in federal planning guidance, including operations and management, sustainability, health, freight, economic effects, and environmental issues.

Under this work element, the LPA will administer the FY 2014-2015 UPWP and prepare and process amendments as needed, evaluate transportation planning work needs and emphasis areas and prepare the FY 2015-2016 UPWP. LPA will prepare and continually maintain UPWP that describes all transportation and transportation-related planning activities anticipated within the DCHC MPO planning area for the FY 2015. Work program will include the development and maintenance of UPWP in conformance with applicable federal, state, and regional guidelines. In addition, work will include the preparation of UPWP amendments as necessary and requested by member agencies, to reflect any change in programming or focus for the current fiscal year.

## Task III-B: Transportation Improvement Program (TIP)

The LPA will process TIP amendments as needed, including coordinating with the MPO member agencies and conducting public involvement/outreach, and commence work on the development of the TIP ranking and prioritization. This includes the refinement of the MPO Priority Needs and the identification of the transportation projects, programs, and services towards which the MPO will direct STP DA funds. As the Lead Planning Agency (LPA) of the DCHC MPO, the City of Durham Transportation Department –Planning Division is responsible for annually developing, amending, adjusting and maintaining the Transportation Improvement Program (TIP) for the metropolitan area. Under this activity, the LPA will update and amend the current seven-year program of transportation improvement projects (MTIP) that is consistent with the 2030 Long-Range Transportation Plan, STIP, the State Implementation Plan (SIP), EPA Air Quality Conformity Regulations and FHWA/FTA Planning Regulations.

## Task III-C: Civil Rights Compliance/Other Regulations and Requirements

### Task III-C-1: Title VI

The MPO will continue work on the Title VI plan and the NCDOT Civil Right compliance report. NCDOT Civil Right Division conducted a Title VI Audit. As a result of the audit the MPO prepared the required Title VI Policy Statement and Assurance. That assurance will be updated accordingly. The

# FY 2015 UPWP
# DCHC MPO Task Description and Summary Narrative

DCHC MPO will continue work on the development of the MPO Limited English Proficiency plan as it relates to Title VI issues.

Task III-C-2: Environmental Justice (EJ)

In accordance with Federal Action (Executive Order 12898), the MPO will develop an Environmental Justice Plan which will focus on complying with the Executive Order and the three basic principles of Environmental Justice: 1) Ensure adequate public involvement of low-income and minority groups in decision-making; 2) Prevent disproportionately high and adverse impacts to low-income and minority groups resulting from transportation and environmental decisions made by the MPO; and 3) Assure that low-income and minority groups receive a proportionate share of benefits resulting from transportation decisions made by the MPO. Tasks include:

1. Develop MPO Environmental Justice Plan, including establishment of Environmental Justice Advisory Board
2. Update demographic profiles based on Census CTPP and PUMS as well as MPO SE data forecasts - maps to identify areas of low-income, minority and elderly populations, job accessibility, and overlay of major employers, fixed route transit systems, and major shopping areas.
3. Provide increased opportunities for under-served populations to be represented in the transportation planning process.
4. Define target areas through the use of Census Block Group data from the 2010 Census.
5. Analyze the mobility of target area populations to jobs, childcare, and transit routes.
6. Review existing public outreach and involvement plan.
7. Develop a protocol for responding to issues and concerns regarding environmental justice in general and Hispanic population in particular.
8. Conduct analysis as needed regarding equitable distribution of transportation system benefits and costs among all socio-economic groups throughout the MPO area

Task III-C-4: Planning for the Elderly & Disabled

The MPO will continue to emphasize planning and provision of transportation facilities and services for the elderly and disabled. Specifically, the MPO will update inventory of locations and needs of elderly and disabled persons. The MPO will work with transit operators in the planning and evaluation of para-transit services.

Task III-C-5: Safety and Drug Control Planning

The MPO will continue to update the regional safety plan and report using the data from and analysis of TEES data. The MPO will continue to participate in the transit operator's safety coordination meetings.

Task III-C-6: Public Involvement

The MPO will continue to provide early, proactive and meaningful public participation and input throughout the transportation planning process, including providing for open exchange of information and ideas between the public and transportation decision-makers, to provide the public with complete information, timely notice, full access to key decisions and opportunities for early and

continuing involvement in the 3C process, to assess the effectiveness of the current Public Involvement Process as required by the federal Certification Team, and to develop and enhance the process of public dissemination of information.
It also includes providing process support, such as developing and preparing informational materials for the MPO website, conducting public outreach, managing the MPO website, preparing and distributing the MPO's newsletter, implementing other social media (Twitter, YouTube postings and Facebook), and maintaining the mailing lists and email lists.

**Task III-D: Incidental Planning/Project Development**

Task III-D-2: Environmental Analysis & Pre-TIP Planning

The LPA will continue to participate regularly and consistently in the TIP project planning and development process, including submission of comments, attending public meetings, attending scoping meetings, attending NEPA 404 merger meetings, and participating in field inspections. The LPA will be involved in the East End Connector NEPA process including taking the lead in the public involvement process. The MPO will continue to support and be involved in NCDOT efforts to link the NEPA process in the MPO systems planning process.

Task III-D-3 Special Studies

The MPO will continue with wide range of studies which are being conducted to meet the transportation planning needs of the area. These studies include Community Viz, ADA Transition plan, ITS deployment plan update, GIS enterprise/GIS online, non-motorized trip model update, Land-use model update, etc.

Task III-D-4: Regional or Statewide Planning

The MPO will continue to coordinate with CAMPO, TTA, NCDOT, DENR, FHWA, FTA, EPA, and other State and regional agencies in regional transportation. This includes participation in the DCHC-CAMPO joint TAC meetings, TTA Board Meetings, Durham-Chapel Hill-Orange County Work Group, and a wide range of regional transportation planning working groups and committees. Examples include the Model Team, the Executive Committee, and the regional transit planning/operation coordination. Statewide planning includes participation in various statewide planning initiatives such as CMAQ Committee, Indirect and Cumulative Impacts of Transportation Projects in North Carolina, the State Transportation Plan process, and the Comprehensive Transportation Plan.

**Task III-E: Management and Operations**

The thrust of this work program is to assist, support, and facilitate an open Comprehensive, Cooperative, and Continuing (3C) transportation planning and programming process at all levels of government in conformance with applicable federal and state requirements and guidelines as described in the 3C Memorandum of Understanding. This work element encompasses the administration and support of transportation planning process as mandated and required by federal regulations. The continuing transportation planning process requires considerable administrative time for attending monthly committee meetings, preparing agendas and minutes to these meetings,

training, preparing quarterly progress reports, documenting expenditures for the various planning work items, and filing for reimbursement of expenditures from the PL and STP-DA funds account and other Federal Funds. In addition, this work includes consultation with other agencies involved within 3C planning activities; liaison activities between the MPO and NCDOT and ongoing coordination with CAMPO; and communication with other regional groups. Other activities include the day-to-day oversight of and reporting on the progress of projects listed in the UPWP, and the establishment of work priorities in light of MPO needs. Proposed tasks include but are not limited to:

1. Provide liaisons between DCHC MPO member agencies, transit providers, CAMPO, NCDOT, DENR, TJCOG, and other organizations at the local, regional, state, and federal levels on transportation related matters, issues and actions.

2. Respond to federal and State legislation and regulations.

3. Provide service request to citizens.

4. Provide service requests and technical support to MPO member agencies.

5. Provide oversight to MPO planning and Transit funding policies.

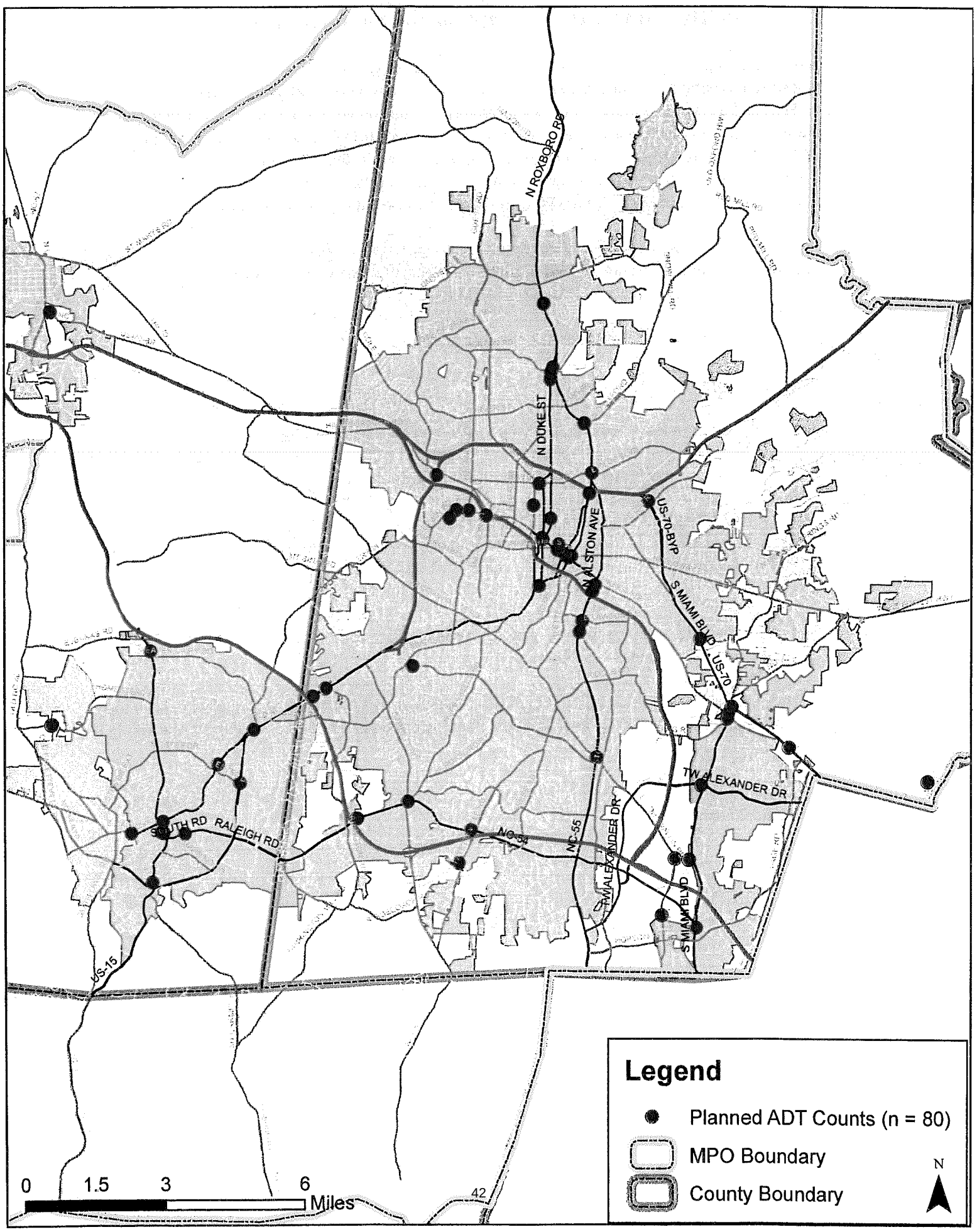
6. Work with the Capital Area Metropolitan Planning Organization (CAMPO) on regional issues. Prepare Regional Priority lists and MTIP and amend as necessary, Update transportation plans, travel demand model, and monitor data changes. Evaluate transportation planning programs developed through the 3C public participation process for appropriate MPO action.

7. Provide technical assistance to the Transportation Advisory Committee (TAC) and other member jurisdictions policy bodies.

8. Participate in Joint CAMPO/DCHC TCC and TAC meetings as a means to continually improve the quality and operation of the transportation planning process and decision making in the Triangle Region.

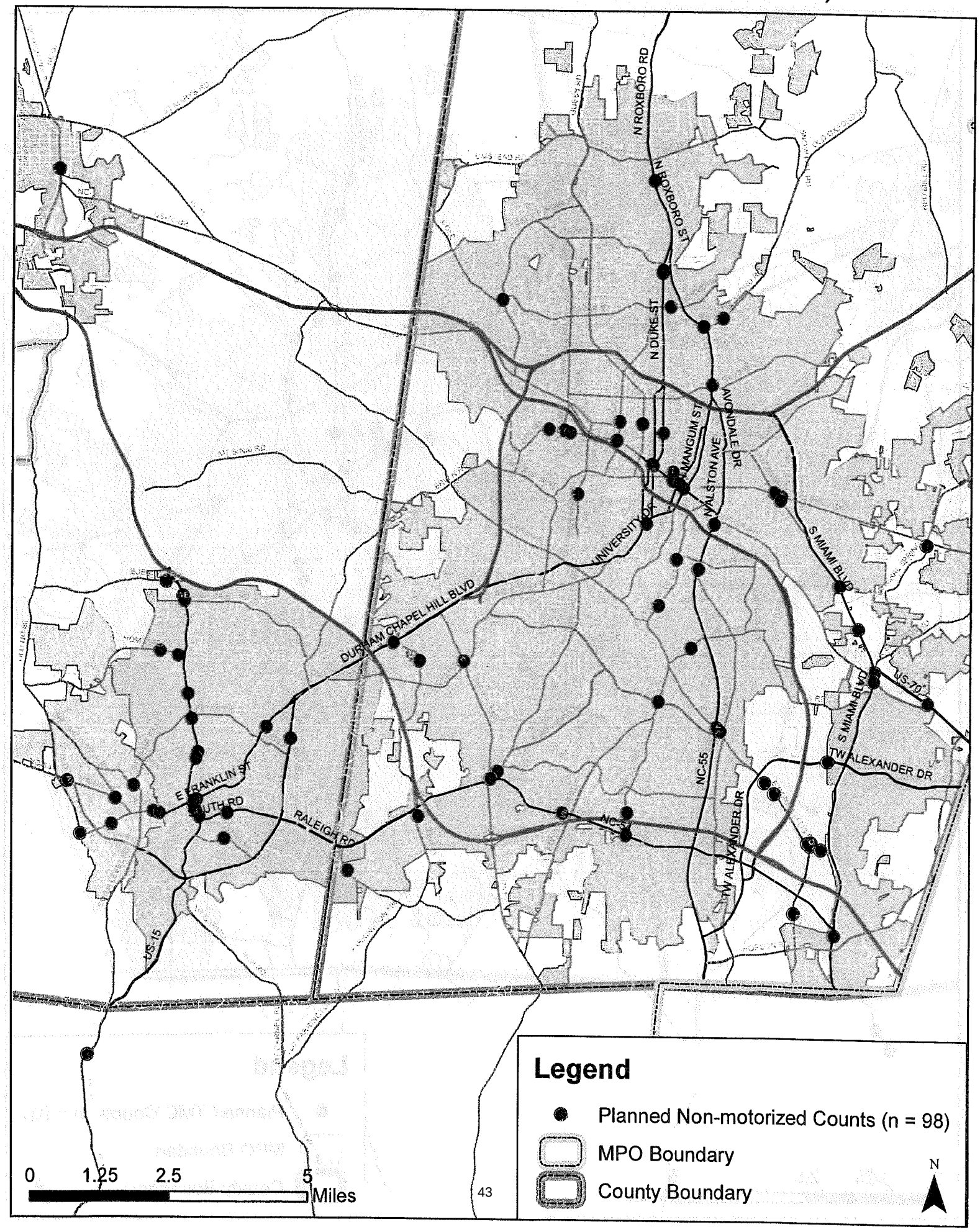
9. Review and comment on federal and state transportation-related plans, programs, regulations and guidelines.

# FY2015 Data Collection Plan (ADT) FINAL DOCUMENT



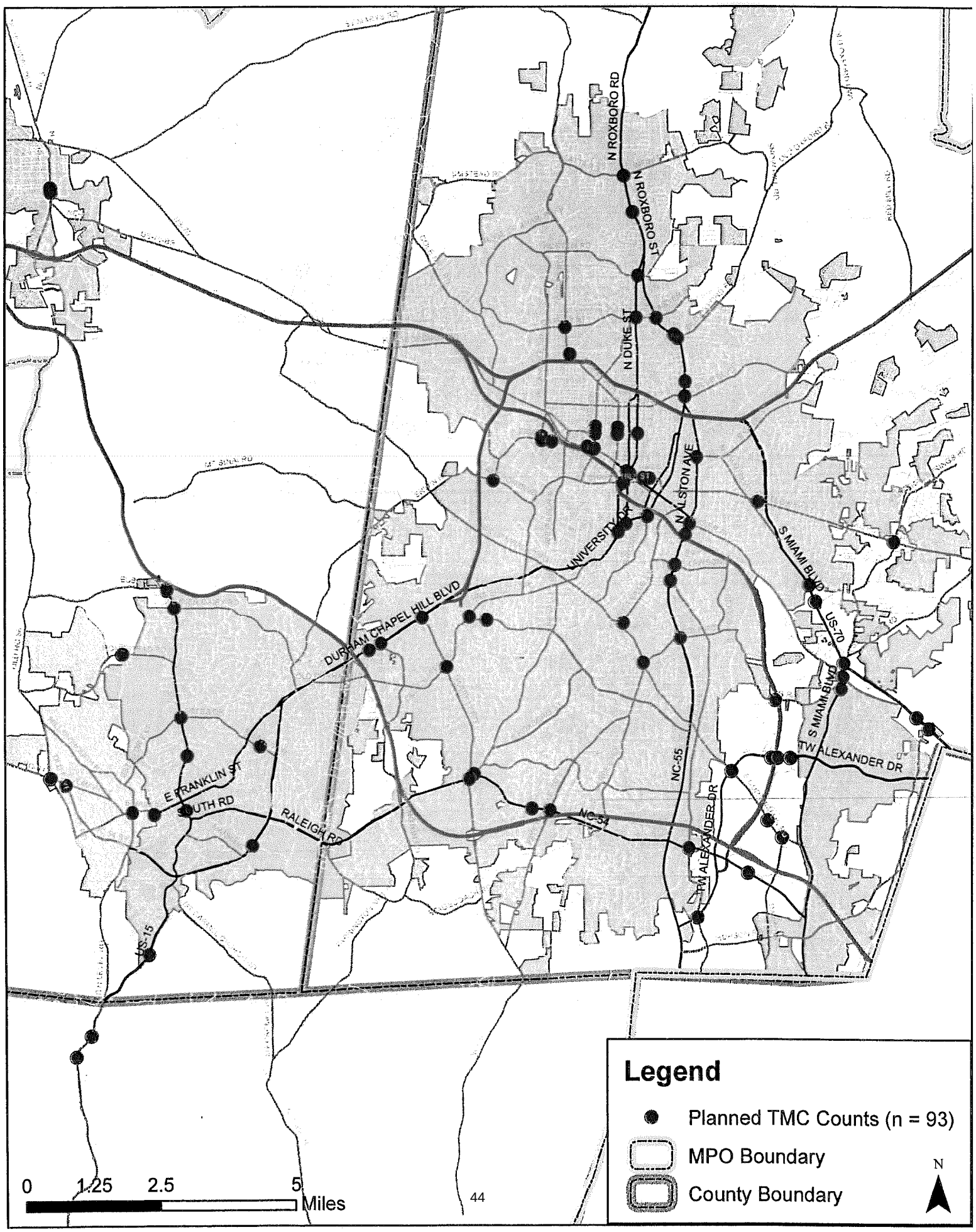
# FY2015 Data Collection Plan (Nonmotorized)





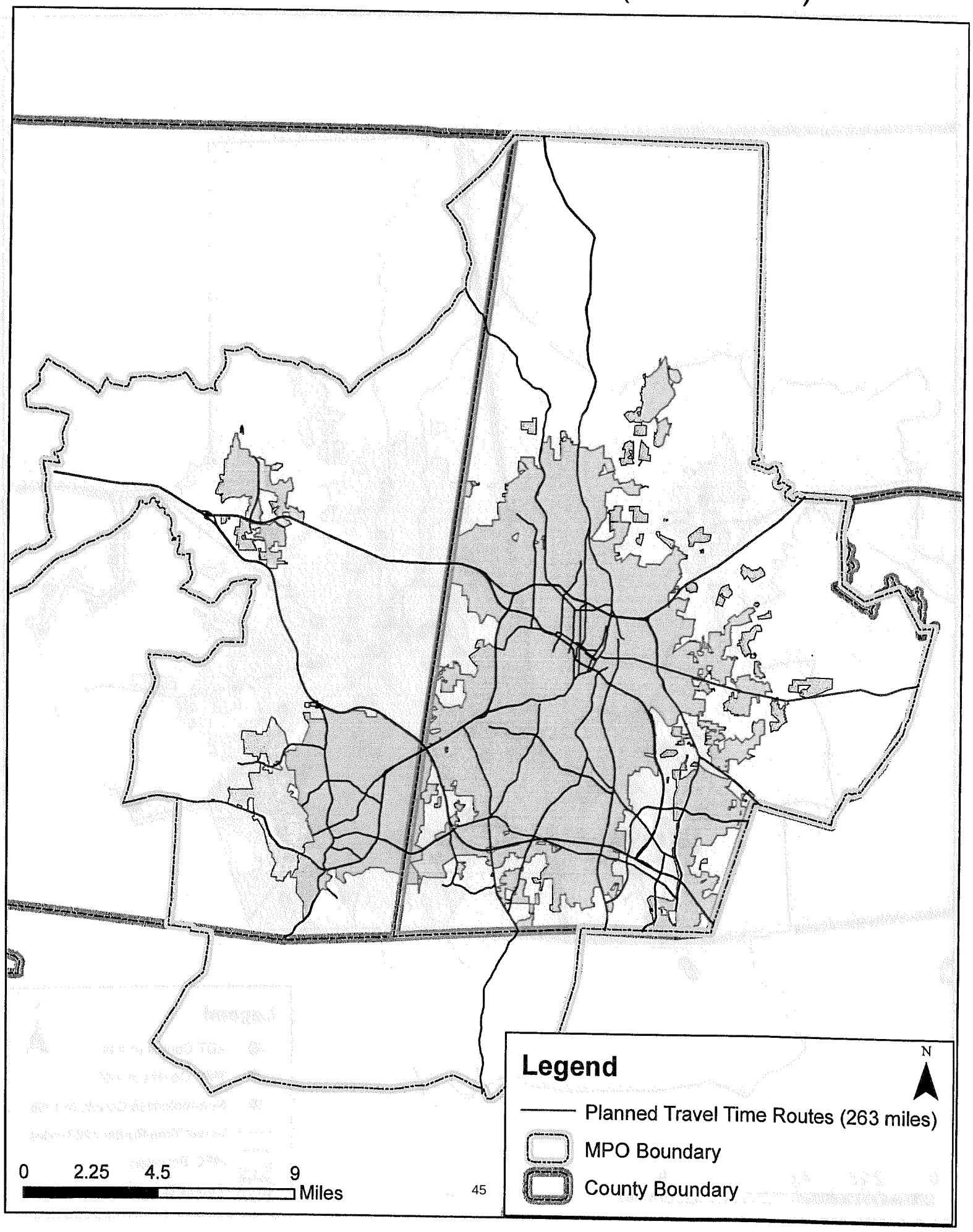
# FY2015 Data Collection Plan (TMC)

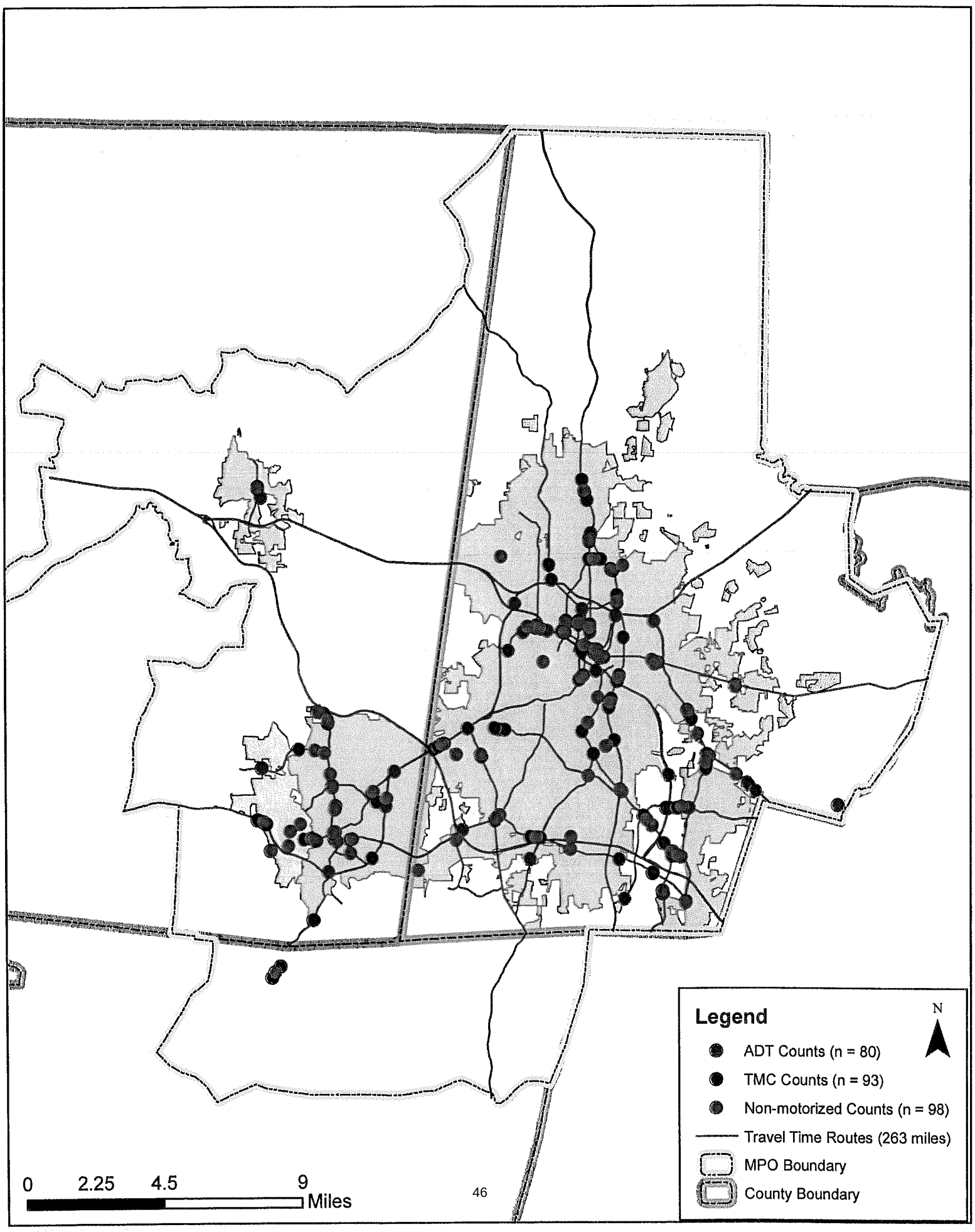
FINAL DOCUMENT



# FY2015 Data Collection Plan (Travel Time)






Legend
N
ADT Counts (n = 80)
TMC Counts (n = 93)
Non-motorized Counts (n = 98)
Travel Time Routes (263 miles)
MPO Boundary
County Boundary
0
2.25
4.5
9
Miles

# MPO
## Title VI Review Questions & Requested Items

***Instructions: Answer each Yes or No question and indicate if the requested information is attached with an "X" mark. Please attach electronic documents and number each attachment to match the question. Use your tab button to move between the questions and your space bar to check the appropriate box. Please save as a PDF before returning.***

| | |
|---|---|
| 1. Does the MPO have an ***active*** Title VI Nondiscrimination Program? | YES ☐ NO ☐ |
| ○ If yes, please attach any records or reports you consider sufficient to demonstrate that the program is being implemented. | Attached ☐ |
| 2. Does the MPO disseminate any information or documents throughout its organization and publicly, including information pertaining to the Title VI program? | YES ☐ NO ☐ |
| ○ If yes, please attach a list of what you distribute *internally* and *externally*. | Attached ☐ |
| • Has the MPO translated any documents into languages other than English? | YES ☐ NO ☐ |
| ○ If yes, attach a list of documents you have translated and samples of translated materials. | Attached ☐ |
| 3. Identify the MPO's Title VI Coordinator *(Civil Rights Officer)* by name and title: | |
| • Are Title VI duties included in the Coordinator's ***primary*** job description? | YES ☐ NO ☐ |
| • Has the Coordinator or officer been given the authority to effectively administer your Title VI Program? | YES ☐ NO ☐ |
| ○ Please attach a copy of your organizational chart. | Attached ☐ |
| 4. Does the MPO have an ***approved*** Language Assistance Plan or procedures for persons with Limited English Proficiency (LEP)? | YES ☐ NO ☐ |
| • Does the MPO conduct four-factor analyses, as required by USDOT LEP guidelines? | YES ☐ NO ☐ |
| ○ If yes, please attach a copy of your plan or procedures ***and*** a copy of a four-factor analysis you have conducted, if one isn't including in your Plan. | Attached ☐ |
| 5. Does the MPO ensure that decision-making and programs are sensitive to the needs of minorities and other traditionally underserved populations *(e.g., minorities, disabled, low-income, elderly, children, LEP)?* | YES ☐ NO ☐ |
| 6. Does the MPO utilize appointed groups such as planning commissions or Citizens Advisory Committees? | YES ☐ NO ☐ |
| ○ If yes, attach a list of each of your appointed groups, including the name, race/ethnicity and gender of each current member (e.g., John Doe, B/M; Jane Doe, H/F, etc.), and their affiliations *(e.g., Hispanic Chamber of Commerce, NAACP, private organizations).* | Attached ☐ |
| 7. Does the MPO have internal discussions or meetings about your nondiscrimination program or obligations? | YES ☐ NO ☐ |
| • If requested onsite, could evidence be provided to verify this? | YES ☐ NO ☐ |
| 8. Does the MPO ever seek guidance from external agencies like NCDOT, FHWA and FTA, regarding your obligations? | YES ☐ NO ☐ |
| 9. In general, are you satisfied with the number of people (members of the general public) who shows up at your public meetings? | YES ☐ NO ☐ |

| | |
|---|---|
| 10. Does the MPO's Public Involvement Plan include information and procedures on: | |
| • How to reach traditionally underserved populations *(e.g., minorities, disabled, low-income, elderly, children, LEP)*? | YES ☐ NO ☐ |
| • How to ensure that members of the public understand the rights afforded to them under Title VI and other nondiscrimination authorities? | YES ☐ NO ☐ |
| 11. Has the Title VI Coordinator received any civil rights training in the last ***three*** years? | YES ☐ NO ☐ |
| • Does the MPO provide civil rights training to its staff, sub-recipients, or contractors? | YES ☐ NO ☐ |
| • Does the MPO have a civil rights training plan or schedule? | YES ☐ NO ☐ |
| 12. Does the MPO consider and incorporate the needs of persons with disabilities in: | YES ☐ NO ☐ |
| • Planning | YES ☐ NO ☐ |
| • Programming | YES ☐ NO ☐ |
| • Facilities | YES ☐ NO ☐ |
| 13. Does the MPO provide reasonable accommodations to disabled applicants, employees and participants of public meetings? | YES ☐ NO ☐ |
| • Does the MPO have a process for notifying members of the public that meeting locations and formats are accessible to persons with disabilities? | YES ☐ NO ☐ |
| 14. Does the MPO or Lead Planning Agency have an ADA Transition Plan? | YES ☐ NO ☐ |
| o If yes, attach a copy of your Transition Plan. | Attached ☐ |
| 15. Does the MPO collect and analyze data on participants and beneficiaries of its programs and services ***for the purpose of monitoring*** whether program funds are reaching traditionally underserved groups *(e.g., minorities, disabled, low-income, elderly, children, LEP)*? | YES ☐ NO ☐ |
| 16. Does the MPO monitor the work and activities of sub-recipients and contractors ***for the purpose of determining*** if they are in compliance with their nondiscrimination obligations? | YES ☐ NO ☐ |
| • Does the MPO physically incorporate Title VI Assurances into all contracts and agreements? | YES ☐ NO ☐ |
| • Does the MPO maintain records and reports to validate its monitoring activities? | YES ☐ NO ☐ |
| o If yes, attach any records, reports or contracts that demonstrate your monitoring activities *(e.g., meeting minutes, emails, compliance reviews)*. | Attached ☐ |
| 17. Does the MPO contract with women and minority owned businesses? | YES ☐ NO ☐ |
| 18. To your knowledge, has the MPO received any discrimination complaints against itself or any of its member jurisdictions or contractors since in the last ***three*** years? | YES ☐ NO ☐ |
| o If yes, please attach a copy of your complaints log. | Attached ☐ |
| 19. Does the MPO produce or submit reports to federal or state agencies regarding its Title VI compliance efforts? | YES ☐ NO ☐ |

# DCHC MPO 5-Year Unified Planning Work Program
## July 1, 2014 to June 30, 2019

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| | 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|---|
| **FY** | **FY 2015** | **FY 2016** | **FY 2017** | **FY 2018** | **FY 2019** |
| **Period** | **2014-15** | **2015-16** | **2016-17** | **2017-18** | **2018-19** |
| | **July 1, 2014-June 30, 2015** | **July 1, 2015-June 30, 2016** | **July 1, 2016-June 30, 2017** | **July 1, 2017-June 30, 2018** | **July 1, 2018-June 30, 2019** |
| **1** | **Surveillance of Change/ Data monitoring** | **Surveillance of Change/ Data monitoring** | **Surveillance of Change/ Data monitoring** | **Surveillance of Change/ Data monitoring** | **Surveillance of Change/ Data monitoring** |
| **1.1** | ADT count and TMC annual and seasonal | ADT count and TMC annual and seasonal | ADT count and TMC annual and seasonal | ADT count and TMC annual and seasonal | ADT count and TMC annual and seasonal |
| **1.2** | VMT update and monitoring | VMT update and monitoring | VMT update and monitoring | VMT update and monitoring | VMT update and monitoring |
| **1.3** | Street System Changes update | Street System Changes update | Street System Changes update | Street System Changes update | Street System Changes update |
| **1.4** | Traffic accidents data | Traffic accidents data | Traffic accidents data | Traffic accidents data | Traffic accidents data |
| **1.5** | Transit system data | Transit system data | Transit system data | Transit system data | Transit system data |
| **1.6** | Housing, POP, Emp. data | Housing, POP, Emp. data | Housing, POP, Emp. data | Housing, POP, Emp. data | Housing, POP, Emp. data |
| **1.7** | Air travel | Air travel | Air travel | Air travel | Air travel |
| **1.8** | VOC | VOC | VOC | VOC | VOC |
| **1.9** | Travel Time | Travel Time | Travel Time | Travel Time | Travel Time |
| **1.10** | Mapping | Mapping | Mapping | Mapping | Mapping |
| **1.11** | Parking inventory | | Parking inventory | Parking inventory | Parking inventory |
| **1.12** | Bike/Pedestrian. Facilities Inv | Bike/Pedestrian. Facilities Inv | Bike/Pedestrian. Facilities Inv | Bike/Pedestrian. Facilities Inv | Bike/Pedestrian. Facilities Inv |
| **1.13** | Bike/Pedestrian. Facilities Counts | Bike/Pedestrian. Facilities Counts | Bike/Pedestrian. Facilities Counts | Bike/Pedestrian. Facilities Counts | Bike/Pedestrian. Facilities Counts |
| **2** | **Unified Planning Work Program (UPWP)** | **Unified Planning Work Program (UPWP)** | **Unified Planning Work Program (UPWP)** | **Unified Planning Work Program (UPWP)** | **Unified Planning Work Program (UPWP)** |
| **2.1** | Amend UPWP as necessary | Amend UPWP as necessary | Amend UPWP as necessary | Amend UPWP as necessary | Amend UPWP as necessary |
| **2.2** | Process quarterly invoices and reports | Process quarterly invoices and reports | Process quarterly invoices and reports | Process quarterly invoices and reports | Process quarterly invoices and reports |
| **2.3** | Prepare annual UPWP progress report and performance evaluation | Prepare annual UPWP progress report and performance evaluation | Prepare annual UPWP progress report and performance evaluation | Prepare annual UPWP progress report and performance evaluation | Prepare annual UPWP progress report and performance evaluation |
| **2.4** | Develop FY 2016 UPWP | Develop FY 2017 UPWP | Develop FY 2018 UPWP | Develop FY 2019 UPWP | Develop FY 2020 UPWP |
| **2.5** | UPWP financial management | UPWP financial management | UPWP financial management | UPWP financial management | UPWP financial management |
| | Grant monitoring and audit | Grant monitoring and audit | Grant monitoring and audit | Grant monitoring and audit | Grant monitoring and audit |
| **2.6** | Perform annual self-certification & On-Going Process-Development | Perform annual self-certification & On-Going Process-Development | Perform annual self-certification & On-Going Process-Development | Perform annual self-certification & On-Going Process-Development | Perform annual self-certification & On-Going Process-Development |
| **3** | **Long-Range Transportation Plan (LRTP)/MTP** | **Long-Range Transportation Plan (LRTP)/MTP** | **Long-Range Transportation Plan (LRTP)/MTP** | **Long-Range Transportation Plan (LRTP)/MTP** | **Long-Range Transportation Plan (LRTP)/MTP** |
| **3.1** | Amendment of the 2040 LRTP for AQ analysis and conformity as necessary | Goals, Objectives and targets for 2045 LRTP | Approval of the 2045MTP for AQ analysis and conformity | Initiate work on Community Viz 3.0 and scenario plannng set up and preparation | Continue work associatd with the update of the MPO Goals, Objectives and targets for 2050 MTP |
| **3.2** | Model Update for 2045 LRTP analysis | SE data collection and Forecasts for 2045 LRTP | CTP components- Highway, transit, bicycle and pedestrian vision plans | Community vision setting work commences | SE data collection and Forecasts for 2050 MTP |
| **3.3** | Inter-Agency Consultation process | Deficiency analysis and need assessment | AQ analysis and conformity determination process | Goals, Objectives and targets for 2050 MTP | Deficiency analysis and need assessment |
| **3.4** | CTP update | Generation of alternatives and evalautionof alternatives | Inter-Agency Consultation process | initiate work associated with SE data collection and Forecasts for 2050 MTP | Community Viz and scenario planning process continue. |
| **3.5** | Land-use Scenario analysis | Land-use Scenario analysis | | Deficiency analysis and need assessment | Employment Analyst work continues |
| **3.6** | 2045 LRTP Visioning process | Financial analysis | Financial analysis | Inter-Agency Consultation process | Inter-Agency Consultation process |
| **3.7** | | Selection of Prefered options | Selection of Prefered options | Community Viz work commences. | |
| **4** | **Travel Demand Model Development and Update** | **Travel Demand Model Development and Update** | **Travel Demand Model Development and Update** | **Travel Demand Model Development and Update** | **Travel Demand Model Development and Update** |
| **4.1** | On-going model maintenance and enhancement activities | On-going model maintenance and enhancement activities | On-going model maintenance and enhancement activities | On-going model maintenance and enhancement activities | On-going model maintenance and enhancement activities |

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|---|---|---|---|---|---|
| FY | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Period | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
| | July 1, 2014-June 30, 2015 | July 1, 2015-June 30, 2016 | July 1, 2016-June 30, 2017 | July 1, 2017-June 30, 2018 | July 1, 2018-June 30, 2019 |
| 4.2 | Collection of 2013 base year data- traffic counts, transit, etc | Model Update for 2045 LRTP analysis | Model Update for 2045 LRTP analysis | Model Update for 2045 LRTP analysis | Model Update for 2045 LRTP analysis |
| 4.3 | Collection & development of 2013 networks | Processsing of travel behavior survey. | Estimation of TRM V7 | Estimation of TRM V7 continues | |
| 4.4 | Socio-economic and demographic data collection and forecasts | Processsing of transit onboard survey. | | | |
| 4.5 | Household survey & Transit OnBoard | | | | |
| 4.6 | TRM V6 | | | | |
| 4.7 | Base year model calibration and validation | | TRM V7 base year model calibration and validation | | |
| 5 | **Bicycle & Pedestrian Planning** | **Bicycle & Pedestrian Planning** | **Bicycle & Pedestrian Planning** | **Bicycle & Pedestrian Planning** | **Bicycle & Pedestrian Planning** |
| 5.1 | On-going bike and pedestrian advocacy | On-going bike and pedestrian advocacy | On-going bike and pedestrian advocacy | | |
| 5.2 | | Update of the Comprehensive Pedestrian Plan | Update of the Comprehensive Bicycle Plan. Update of the Regional Bike Plan | on-going implementation of the bike and pedestria plans | on-going implementation of the bike and pedestria plans |
| 5.3 | | On-going bike-pedstrian programs monitoring of strategies & effectiveness | On-going bike-pedstrian programs monitoring of strategies & effectiveness | On-going bike-pedstrian programs monitoring of strategies & effectiveness | On-going bike-pedstrian programs monitoring of strategies & effectiveness |
| 6 | **Short-Range Transit Plan** | **Short-Range Transit Plan** | **Short-Range Transit Plan** | **Short-Range Transit Plan** | **Short-Range Transit Plan** |
| 6.1 | On-going transit planning process | On-going transit planning process | On-going transit planning process | On-going transit planning process | On-going transit planning process |
| 6.2 | Transit Development Plan (TDP) TTA | | Transit Development Plan (TDP) CHT & TTA | Transit survey | Transit survey |
| 7 | **Congestion Management Process (CMS/CMP)** | **Congestion Management Process (CMS/CMP)** | **Congestion Management Process (CMS/CMP)** | **Congestion Management Process (CMS/CMP)** | **Congestion Management Process (CMS/CMP)** |
| 7.1 | | | | | |
| 7.2 | On-going CMP monitoring of strategies & effectiveness | On-going CMP monitoring of strategies & effectiveness | On-going CMP monitoring of strategies & effectiveness | On-going CMP monitoring of strategies & effectiveness | On-going CMP monitoring of strategies & effectiveness |
| 7.3 | | Establishment of Area of application & reevaluation of definition of congestion | | Establishment of Area of application & reevaluation of definition of congestion | |
| 7.4 | | Transportation system definition (modes & networks) | | Transportation system definition (modes & networks) | |
| 7.5 | | Transportation system definition (modes & networks) | | Transportation system definition (modes & networks) | |
| 7.6 | Data collection & analysis for MPO CMS Update | Data collection & analysis for MPO CMS Update | Data collection & analysis for MPO CMS Update | Data collection & analysis for MPO CMS Update | Data collection & analysis for MPO CMS Update |
| 7.7 | Update Performance monitoring Plan | Develop Performance monitoring Plan | Update Performance monitoring Plan | Develop Performance monitoring Plan | Develop Performance monitoring Plan |
| 7.8 | update Identification and evaluation of strategies. | Identification and evaluation of strategies. | update Identification and evaluation of strategies. | Identification and evaluation of strategies. | Identification and evaluation of strategies continues |
| 7.9 | | Action plan for monitoring effectiveness of strategies | | Action plan for monitoring effectiveness of strategies | |
| 7.10 | | Public comment and adoption of the MPO CMS | | Public comment and adoption of the MPO CMS | Public comment and adoption of the MPO CMS |
| 8 | **TIP** | **TIP** | **TIP** | **TIP** | **TIP** |
| | | Develop final draft 2016-2022 MTIP. TIP conformity determination | | Develop final draft 2018-2024 MTIP. TIP conformity determination | Develop final draft 2018-2024 MTIP. TIP conformity determination |

# DCHC MPO 5-Year Unified Planning Work Program
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|---|---|---|---|---|---|
| FY | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Period | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
| | July 1, 2014-June 30, 2015 | July 1, 2015-June 30, 2016 | July 1, 2016-June 30, 2017 | July 1, 2017-June 30, 2018 | July 1, 2018-June 30, 2019 |
| | | TAC Approves 2016-2022 MTIP | | TAC Approves 2018-2024 MTIP | |
| | Update TIP ranking & project prioritization methodology as necessary | BOT Approves 2016-2022 STIP | Update TIP ranking & project prioritization methodology as necessary | BOT Approves 2018-2024 STIP | |
| | Develop & submit TIP Project Priority List for 2016-2022 TIP | | Develop & submit TIP Project Priority List for 2018-2024 TIP | | |
| | Review draft STIP and prepare analysis comparison. Generate financial & revenue information for MTIP | | Review draft STIP and prepare analysis comparison. Generate financial & revenue information for MTIP | | |
| | One-on-one discussion between the MPO and NCDOT | | One-on-one discussion between the MPO and NCDOT | | |
| | Development 2013-2019 MTIP . Public input and comment process. | | Development 2015-2021 MTIP . Public input and comment process. | | |
| | Process MTIP amendments as needed | Process MTIP amendments as needed | Process MTIP amendments as needed | | |
| | Annual TIP project Listing | Annual TIP project Listing | Annual TIP project Listing | | |
| 9 | **Title VI/Civil Rights/EJ** | **Title VI/Civil Rights/EJ** | **Title VI/Civil Rights/EJ** | **Title VI/Civil Rights/EJ** | **Title VI/Civil Rights/EJ** |
| | | Update EJ Plan and LEP program, and evaluate effectiveness of program and outreach efforts | | Update EJ Plan and LEP program, and evaluate effectiveness of program and outreach efforts | Update EJ Plan and LEP program, and evaluate effectiveness of program and outreach efforts |
| | Update EJ and LEP outreach mailing list | Update EJ and LEP outreach mailing list | Update EJ and LEP outreach mailing list | Update EJ and LEP outreach mailing list | Update EJ and LEP outreach mailing list |
| | Administer and monitor MPO EJ/LEP program | Administer and monitor MPO EJ/LEP program | Administer and monitor MPO EJ/LEP program | Administer and monitor MPO EJ/LEP program | Administer and monitor MPO EJ/LEP program |
| | Evaluate and Perform EJ analysis, impacts as needed | Evaluate and Perform EJ analysis, impacts as needed | Evaluate and Perform EJ analysis, impacts as needed | Evaluate and Perform EJ analysis, impacts as needed | Evaluate and Perform EJ analysis, impacts as needed |
| | Update EL/LEP demographic profile and database | Update EL/LEP demographic profile and database | Update EL/LEP demographic profile and database | Update EL/LEP demographic profile and database | Update EL/LEP demographic profile and database |
| 10 | **Public Involvement/Participation Plan (PIP/PPP)** | **Public Involvement/Participation Plan (PIP/PPP)** | **Public Involvement/Participation Plan (PIP/PPP)** | **Public Involvement/Participation Plan (PIP/PPP)** | **Public Involvement/Participation Plan (PIP/PPP)** |
| | Review and evaluate effectiveness of MPO Public Involvement Process | Review and evaluate effectiveness of MPO Public Involvement Process | Review and evaluate effectiveness of MPO Public Involvement Process | Review and evaluate effectiveness of MPO Public Involvement Process | Review and evaluate effectiveness of MPO Public Involvement Process |
| | Social media in mpo public outreach and imput process | Social media in mpo public outreach and imput process | Social media in mpo public outreach and imput process | Social media in mpo public outreach and imput process | Social media in mpo public outreach and imput process |
| | On-going MPO website update and content management | On-going MPO website update and content management | On-going MPO website update and content management | On-going MPO website update and content management | On-going MPO website update and content management |
| 11 | **Project Development & Incidental Planning** | **Project Development & Incidental Planning** | **Project Development & Incidental Planning** | **Project Development & Incidental Planning** | **Project Development & Incidental Planning** |
| | Participation in project development, environmental analysis, NEPA process and studies | Participation in project development, environmental analysis, NEPA process and studies | Participation in project development, environmental analysis, NEPA process and studies | Participation in project development, environmental analysis, NEPA process and studies | Participation in project development, environmental analysis, NEPA process and studies |
| | Northern Durham Parkway/US 70 NEPA study. I-40 feasibilty studiy, US 15501 feasibility study | Pre-TIP project planning and cordination | Pre-TIP project planning and cordination | Pre-TIP project planning and cordination | Pre-TIP project planning and cordination |

| DCHC MPO 5-Year Unified Planning Work Program<br>July 1, 2014 to June 30, 2019 | | | | | FINAL DOCUMENT |
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| FY | FY 2015 | FY 2016 | FY 2017 | FY 2018 | FY 2019 |
| Period | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
| | July 1, 2014-June 30, 2015 | July 1, 2015-June 30, 2016 | July 1, 2016-June 30, 2017 | July 1, 2017-June 30, 2018 | July 1, 2018-June 30, 2019 |
| 12 | **Land-use & Transportation integration** | **Land-use & Transportation integration** | **Land-use & Transportation integration** | **Land-use & Transportation integration** | **Land-use & Transportation integration** |
| | Community Viz and UrbanSim implementaion and update | Community Viz and UrbanSim implementaion and update | Community Viz and UrbanSim implementaion and update | Community Viz and UrbanSim implementaion and update | Community Viz and UrbanSim implementaion and update |
| | Monitoring of land use development and consistency check with SE forecasts | Monitoring of land use development and consistency check with SE forecasts | Monitoring of land use development and consistency check with SE forecasts | | |
| 13 | **Intelligent Transportation System Planning** | **Intelligent Transportation System Planning** | **Intelligent Transportation System Planning** | **Intelligent Transportation System Planning** | **Intelligent Transportation System Planning** |
| | Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance | Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance | Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance | Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance | Turbo Architecture, IDAS and DynaSmart enhancement, update and maintenance |
| | ITS planning, operation and monitoring | ITS planning, operation and monitoring | ITS planning, operation and monitoring | ITS planning, operation and monitoring | ITS planning, operation and monitoring |
| 14 | **Safety Planning** | **Safety Planning** | **Safety Planning** | **Safety Planning** | **Safety Planning** |
| | Safety data collection and analysis, and coordination with other agencies. | Safety data collection and analysis, and coordination with other agencies. | Safety data collection and analysis, and coordination with other agencies. | Safety data collection and analysis, and coordination with other agencies. | Safety data collection and analysis, and coordination with other agencies. |
| | Ongoing integration of safety in the MPO transportation planning process | Ongoing integration of safety in the MPO transportation planning process | Ongoing integration of safety in the MPO transportation planning process | Ongoing integration of safety in the MPO transportation planning process | Ongoing integration of safety in the MPO transportation planning process |
| 15 | **Freight Planning** | **Freight Planning** | **Freight Planning** | **Freight Planning** | **Freight Planning** |
| | | | | | |
| | on-going freight planning and coordination | on-going freight planning and coordination | on-going freight planning and coordination | on-going freight planning and coordination | on-going freight planning and coordination |
| | Outreach with freight and logistic companies | Outreach with freight and logistic companies | Outreach with freight and logistic companies | Outreach with freight and logistic companies | Outreach with freight and logistic companies |
| | Continuous update of truck circulation maps | Continuous update of truck circulation maps | Continuous update of truck circulation maps | Continuous update of truck circulation maps | Continuous update of truck circulation maps |
| 16 | **Transportation System Preservation** | **Transportation System Preservation** | **Transportation System Preservation** | **Transportation System Preservation** | **Transportation System Preservation** |
| | Transportation System Preservation planning and operation | Transportation System Preservation planning and operation | Transportation System Preservation planning and operation | Transportation System Preservation planning and operation | Transportation System Preservation planning and operation |
| | TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation | TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation | TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation | TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation | TDM and TSM (ITS) planning, programming, implementation, monitoring and evaluation |
| 17 | **GIS Development** | **GIS Development** | **GIS Development** | **GIS Development** | **GIS Development** |
| | *Maintain Databases* | *Maintain Databases* | *Maintain Databases* | *Maintain Databases* | *Maintain Databases* |
| | Maintain Databases | Acquire and Maintain Data; maintain hardware and software | Acquire and Maintain Data; maintain hardware and software | Acquire and Maintain Data; maintain hardware and software | Acquire and Maintain Data; maintain hardware and software |
| | Maintenance of MPO GIS and data layers | Maintenance of MPO GIS and data layers | Maintenance of MPO GIS and data layers | Maintenance of MPO GIS and data layers | Maintenance of MPO GIS and data layers |
| | Coordination with resource agencies and linkages of transportation data with environmental data | Coordination with resource agencies and linkages of transportation data with environmental data | Coordination with resource agencies and linkages of transportation data with environmental data | Coordination with resource agencies and linkages of transportation data with environmental data | Coordination with resource agencies and linkages of transportation data with environmental data |
| | *Update green print maps* | *Update green print maps* | *Update green print maps* | *Update green print maps* | *Update green print maps* |

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| **Period** | **2014-15** | **2015-16** | **2016-17** | **2017-18** | **2018-19** |
| | **July 1, 2014-June 30, 2015** | **July 1, 2015-June 30, 2016** | **July 1, 2016-June 30, 2017** | **July 1, 2017-June 30, 2018** | **July 1, 2018-June 30, 2019** |
| | Data development and update. Maintenace and update of TELUDE and applications | Data development and update. Maintenace and update of TELUDE and applications | Data development and update. Maintenace and update of TELUDE and applications | Data development and update. Maintenace and update of TELUDE and applications | Data development and update. Maintenace and update of TELUDE and applications |
| **18** | **Management and Operations** | **Management and Operations** | **Management and Operations** | **Management and Operations** | **Management and Operations** |
| | Management and Operations of the MPO 3-C process | Management and Operations of the MPO 3-C process | Management and Operations of the MPO 3-C process | Management and Operations of the MPO 3-C process | Management and Operations of the MPO 3-C process |
| | TAC directives | TAC directives | TAC directives | TAC directives | TAC directives |
| **19** | **Special Studies/State & Regional Planning** | **Special Studies/State & Regional Planning** | **Special Studies/State & Regional Planning** | **Special Studies/State & Regional Planning** | **Special Studies/State & Regional Planning** |
| | Parking survey/Study | As Needed | As Needed | As needed | As needed |

# *Appendices A*

# *Federal Highway Administration (FHWA) & Federal Transit Administration (FTA) Agency Funding Tables*

# Lead Planning Agency (LPA)

Lead Planning Agency -LPA

# Durham-Chapel Hill-Carrboro Urban Area
## FY 2014-2015 Unified Planning Work Program
## Proposed Funding Source Tables

Lead Planning Agency -LPA
3/14/2014 13:08

| | Task Description | STP-DA 133(b)(3)(7) | | Sec. 104(f) PL | | Section 5303 Highway/Transit | | | Section 5307 Transit | | | Section 5309 Transit | | | Task Funding Summary | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Local 20% | FHWA 80% | Local 20% | FHWA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 25% | NCDOT 25% | FTA 50% | Local | NCDOT | Federal | Total |
| II A | **Surveillance of Change** | | | | | | | | | | | | | | | | | |
| II A 1 | Traffic Volume Counts | 22,731 | $90,923 | $5,000 | $20,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 27,731 | - | 110,923 | 138,654 |
| 2 | Vehicle Miles of Travel | $2,416 | $9,665 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 2,416 | - | 9,665 | 12,081 |
| 3 | Street System Changes | $552 | $2,209 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 552 | - | 2,209 | 2,762 |
| 4 | Traffic Accidents | $762 | $3,046 | $600 | $2,400 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 1,362 | - | 5,446 | 6,808 |
| 5 | Transit System Data | $300 | $1,200 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 300 | - | 1,200 | 1,500 |
| 6 | Dwelling Unit, Pop. & Emp. Change | $6,337 | $25,346 | $250 | $1,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 6,587 | - | 26,346 | 32,933 |
| 7 | Air Travel | $0 | $0 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 8 | Vehicle Occupancy Rates | $0 | $0 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 9 | Travel Time Studies | $26,606 | $106,423 | $5,000 | $20,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 31,606 | - | 126,423 | 158,029 |
| 10 | Mapping | $15,761 | $63,043 | $5,000 | $20,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 20,761 | - | 83,043 | 103,804 |
| 11 | Central Area Parking Inventory | $240 | $960 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 240 | - | 960 | 1,200 |
| 12 | Bike & Ped. Facilities Inventory | $454 | $1,815 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 454 | - | 1,815 | 2,268 |
| 13 | Bike & Ped. Counts | $7,367 | $29,467 | $2,500 | $10,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 9,867 | - | 39,467 | 49,334 |
| II B | **Long Range Transp. Plan** | | | | | | | | | | | | | | | | | |
| B 1 | Collection of Base Year Data | $6,814 | $27,257 | $1,400 | $5,600 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 8,214 | - | 32,857 | 41,071 |
| 2 | Collection of Network Data | $407 | $1,626 | $613 | $2,450 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 1,019 | - | 4,076 | 5,096 |
| 3 | Travel Model Updates | $55,306 | $221,223 | $2,250 | $9,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 57,556 | - | 230,223 | 287,779 |
| 4 | Travel Surveys | $26,345 | $105,382 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 26,345 | - | 105,382 | 131,727 |
| 5 | Forecast of Data to Horizon year | $5,834 | $23,335 | $1,000 | $4,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 6,834 | - | 27,335 | 34,169 |
| 6 | Community Goals & Objectives | $0 | $0 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 7 | Forecast of Futurel Travel Patterns | $5,780 | $23,121 | $875 | $3,500 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 6,655 | - | 26,621 | 33,276 |
| 8 | Capacity Deficiency Analysis | $7,797 | $31,187 | $2,500 | $10,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 10,297 | - | 41,187 | 51,483 |
| 9 | Highway Element of th LRTP | $952 | $3,810 | $900 | $3,600 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 1,852 | - | 7,410 | 9,262 |
| 10 | Transit Element of the LRTP | $1,334 | $5,335 | $750 | $3,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 2,084 | - | 8,335 | 10,419 |
| 11 | Bicycle & Ped. Element of the LRTP | $4,004 | $16,017 | $1,000 | $4,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 5,004 | - | 20,017 | 25,021 |
| 12 | Airport/Air Travel Element of LRTP | $0 | $0 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 13 | Collector Street Element of LRTP | $0 | $0 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 14 | Rail, Water or other mode of LRTP | $513 | $2,051 | $220 | $880 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 733 | - | 2,931 | 3,663 |
| 15 | Freight Movement/Mobility Planning | $16,625 | $66,500 | $875 | $3,500 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 17,500 | - | 70,000 | 87,500 |
| 16 | Financial Planning | $0 | $0 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 17 | Congestion Management Strategies | $10,113 | $40,452 | $4,850 | $19,400 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 14,963 | - | 59,852 | 74,815 |
| 18 | Air Qual. Planning/Conformity Anal. | $859 | $3,436 | $500 | $2,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 1,359 | - | 5,436 | 6,795 |
| II C | **Short Range Transit Planning** | | | | | | | | | | | | | | | | | |
| 1 | Short Range Transit Planning | $0 | $0 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| III-A | **Planning Work Program** | $2,436 | $9,744 | $10,000 | $40,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 12,436 | - | 49,744 | 62,180 |
| III-B | **Transp. Improvement Plan** | $1,308 | $5,234 | $5,000 | $20,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 6,308 | - | 25,234 | 31,542 |
| III-C | **Cvl Rgts. Cmp./Otr .Reg. Reqs.** | | | | | | | | | | | | | | | | | |
| 1 | Title VI | $1,183 | $4,733 | $2,500 | $10,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 3,683 | - | 14,733 | 18,417 |
| 2 | Environmental Justice | $1,623 | $6,491 | $1,250 | $5,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 2,873 | - | 11,491 | 14,364 |
| 3 | Minority Business Enterprise | $0 | $0 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Planning for the Elderly & Disabled | $0 | $0 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Safety/Drug Control Planning | $1,075 | $4,299 | $2,000 | $8,000 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 3,075 | - | 12,299 | 15,374 |
| 6 | Public Involvement | $7,883 | $31,533 | $6,375 | $25,500 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 14,258 | - | 57,033 | 71,291 |
| 7 | Private Sector Participation | $0 | $0 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| III-D | **Incidental Plng./Project Dev.** | | | | | | | | | | | | | | | | | |
| 1 | Transportation Enhancement Plng. | $0 | $0 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Enviro. Analysis & Pre-TIP Plng. | $799 | $3,195 | $375 | $1,500 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 1,174 | - | 4,695 | 5,869 |
| 3 | Special Studies | $33,895 | $135,580 | $0 | $0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 33,895 | - | 135,580 | 169,475 |
| 4 | Regional or Statewide Planning | $2,709 | $10,837 | $2,390 | $9,560 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 5,099 | - | 20,397 | 25,497 |
| III- E | **Management & Operations** | | | | | | | | | | | | | | | | | |
| 1 | Management & Operations | $23,390 | $93,559 | $18,300 | $73,200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 41,690 | - | 166,759 | 208,449 |
| Totals | | $302,508 | $1,210,034 | $84,273 | $337,090 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $386,781 | $0 | $1,547,124 | $1,933,905 |



FINAL DOCUMENT

# City of Durham

- Funding Table
- Task Description and Narrative

City of Durham

**Durham-Chapel Hill-Carrboro Urban Area**
**FY 2014-2015 Unified Planning Work Program**
**Proposed Funding Source Tables**

Durham
3/4/2014 21:39

| | Task Description | STP-DA 133(b)(3)(7) | | Sec. 104(f) PL | | Section 5303 Highway/Transit | | | Section 5307 Transit | | | Section 5309 Transit | | | Task Funding Summary | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Local 20% | FHWA 80% | Local 20% | FHWA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 25% | NCDOT 25% | FTA 50% | Local | NCDOT | Federal | Total |
| II A | **Surveillance of Change** | | | | | | | | | | | | | | | | | |
| II A 1 | Traffic Volume Counts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Vehicle Miles of Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Street System Changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Traffic Accidents | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Transit System Data | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 6 | Dwelling Unit, Pop. & Emp. Change | 211 | 845 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 211 | - | 845 | 1,056 |
| 7 | Air Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 8 | Vehicle Occupancy Rates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 9 | Travel Time Studies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 10 | Mapping | 211 | 845 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 211 | - | 845 | 1,056 |
| 11 | Central Area Parking Inventory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 12 | Bike & Ped. Facilities Inventory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 13 | Bike & Ped. Counts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| II B | **Long Range Transp. Plan** | | | | | | | | | | | | | | | | | |
| B 1 | Collection of Base Year Data | *0* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Collection of Network Data | *0* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Travel Model Updates | *0* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Travel Surveys | *0* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Forecast of Data to Horizon year | 2,147 | 8,589 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 2,147 | - | 8,589 | 10,736 |
| 6 | Community Goals & Objectives | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 7 | Forecast of Futurel Travel Patterns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 8 | Capacity Deficiency Analysis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 9 | Highway Element of th LRTP | 880 | 3,520 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 880 | - | 3,520 | 4,400 |
| 10 | Transit Element of the LRTP | 880 | 3,520 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 880 | - | 3,520 | 4,400 |
| 11 | Bicycle & Ped. Element of the LRTP | 31,880 | 127,520 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 31,880 | - | 127,520 | 159,400 |
| 12 | Airport/Air Travel Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 13 | Collector Street Element of LRTP | *0* | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 14 | Rail, Water or other mode of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 15 | Freight Movement/Mobility Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 16 | Financial Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 17 | Congestion Management Strategies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 18 | Air Qual. Planning/Conformity Anal. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| II C | **Short Range Transit Planning** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Short Range Transit Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| III-A | **Planning Work Program** | 598 | 2,394 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 598 | - | 2,394 | 2,992 |
| III-B | **Transp. Improvement Plan** | 2,640 | 10,560 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 2,640 | - | 10,560 | 13,200 |
| III-C | **Cvl Rgts. Cmp./Otr .Reg. Reqs.** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Title VI | 1,056 | 4,224 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 1,056 | - | 4,224 | 5,280 |
| 2 | Environmental Justice | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Minority Business Enterprise | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Planning for the Elderly & Disabled | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Safety/Drug Control Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 6 | Public Involvement | 722 | 2,886 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 722 | - | 2,886 | 3,608 |
| 7 | Private Sector Participation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| III-D | **Incidental Plng./Project Dev.** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Transportation Enhancement Plng. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Enviro. Analysis & Pre-TIP Plng. | 3,344 | 13,376 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 3,344 | - | 13,376 | 16,720 |
| 3 | Special Studies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Regional or Statewide Planning | *774* | 3,098 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 774 | - | 3,098 | 3,872 |
| III- E | **Management & Operations** | | | | | | | | | | | | | | | | | |
| 1 | Management & Operations | 2,376 | 9,504 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,376 | - | 9,504 | 11,880 |
| Totals | | $47,720 | $190,880 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $47,720 | $0 | $190,880 | $238,600 |



FINAL DOCUMENT

# Task Descriptions and Summary Narratives for FY 2014-05 Unified Planning Work Program (UPWP): City of Durham

**Task II-A-6: Dwelling Unit / Population and Employment Changes**

Maintain inventory of dwelling units and population to determine needed changes in transportation services to meet current and projected demands. Review developments to assess impacts to long range plans, including the 2040 Metropolitan Transportation Plan (MTP), the model update, and transportation project development. Changes in dwelling units and employment within the City of Durham will be identified and evaluated to determine accuracy and consistency with the socio-economic forecast. The City of Durham will review and tabulate Census data, local parcel, zoning, tax data records, and InfoUSA and Employment Security Commission data as part of these monitoring tasks.

**Objectives:**

1. Check consistency between development proposal and socio-economic/ Demographic forecasts.
2. Maintain up-to-date socio-economic and demographic spatial data
3. Monitor development reviews and proposal consistent with the TAC directives and resolution.
4. To monitor changes in dwelling units, population, and employment change; and,
5. To provide current data to the LPA for MPO SE planning activities.

**Previous Work:**

Previous work includes but not limited to dwelling unit, population, development data and employment data gathering and monitoring. These pieces of data are integral to many planning and modeling activities.

**Proposed Activities:**

1. Review new developments and certificates of occupancy for dwelling unit, population, and employment changes;
2. Obtain data from the Census, InfoUSA, ESC, and local governments;
3. Compare changes to the socio-economic forecast; and,
4. Develop the Data Automation/Integration and Management System to streamline this task.

**Products/Deliverables:**

1. Summary reports of socio-economic data;
2. Updated socio-economic data for use in the Triangle Regional Model and other MPO planning activities;
3. Update of Community VIz 2.0
4. Cooperate with the LPA in Employment Analyst efforts and,
5. City of Durham component of the MPO Data Management, GIS Enterprise and GISOnline.

**Relationship to Other Plans and MPO Activities:**

Dwelling unit, population, and employment change data will be used in the Triangle

Regional Model. The Triangle Regional Model is used in many MPO planning activities including the MTP and CMP.

**Completion Date:**
Dwelling unit, population, and employment data will be compiled on a continual basis.

**Proposed Level of Effort (Staff or Consulting):**
Tasks will be undertaken by municipal staff (including interns if needed).

**Proposed Budget:**
Task IIA-6: Dwelling Unit/Pop/Emp. Change

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $845 | | | | $845 |
| Local | $211 | | | | $211. |
| State | | | | | $0 |
| Total | $1,056 | $0 | $0 | $0 | $1,056 |

**Funding Commitments from Other Entities:**
None.

**<u>Task II-A-10: Mapping</u>**
The City of Durham will continue to undertake tasks associated with mapping and updates to UPWP transportation planning activities such as the CMS, MTP, CTP, TIP, SPOT/Prioritization, traffic counts, bicycle and pedestrian counts and inventory, transit routes, land use, traffic analysis zones, socio-economic and demographic trends, and environmental factors. The City mapping and spatial GIS product will feed into the MPO overall enterprise GIS and geo-spatial management system. Also, the MPO data and GIS integration will serve as a platform for maintaining and updating of data in GIS format.

**Objectives:**
1. To provide maps for use in various MPO planning activities;
2. Update base maps
3. Update and maintain geo-spatial maps
4. Provide mapping support for Community Viz, modeling, MTP, CTP, etc.;
5. Main GIS-Online and,
6. To maintain updated geospatial information for transportation analyses.

**Previous Work:**
The LPA has prepared mapping for various MPO activities such as the 2035 LRTP, MTIP Regional Priority project Lists, 2009-15 MTIP, functional classification based on the 2000 Census, MPO urbanized area maps, MAB, etc.

**Proposed Activities:**
1. Collect updated geospatial information from local governments;

2. Integrate local government geospatial information into region-wide geospatial information;
3. Create files and maps containing MPO transportation information; and,
4. Develop the Data Management System to streamline this task.

**Products/Deliverables:**

1. Maps for various MPO planning activities;
2. Region-wide GIS files;
3. MPO Enterprise GIS;
4. Geo-spatial mapping;
5. Update count maps
6. Updated Functional classification maps
7. TIP/SPOT/Prioritization maps
8. ArcGIS Online; and,
9. Data Management System.

**Relationship to Other Plans and MPO Activities:**
GIS data will be used in many MPO activities such as the Triangle Regional Model, Metropolitan Transportation Plan (MTP), Comprehensive Transportation Plan (CTP), the Congestion Management Program (CMP) Card, Functional classification update, TIP Regional Priority List, MTIP development, NCDOT SPOT, land-use scenario, environmental layers, and other mappings to support the MPO-LPA transportation planning activities.

**Completion Date**:
Geo-spatial data for the City of Durham will be compiled on a continual basis. Mapping will be completed as needed for various projects and as needed by the MPO LPA.

**Proposed Budget and Level of Effort (Staff or Consulting):**
Tasks will be undertaken by LPA and municipal staff.

**Proposed Budget:**

Task IIA-10: Mapping

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $845 | | | | $845 |
| Local | $211 | | | | $211 |
| State | | | | | $0 |
| Total | $1,056 | $0 | $0 | $0 | $1,056 |

**Funding Commitments from Other Entities:**
None.

**<u>Task II-B-5: Forecast of Data to Horizon Year</u>**

The City of Durham will assist and support the LPA/MPO in the development of Community Viz. 2.0 as well as in the development of demographic and socio-economic forecasts. Forecasts will be generated for County control totals and traffic analysis zones. Forecasts will be made consistent with the City and County land use plans and in corporation with the City/County local Planning Department.

**Objectives:**

1. To assist the DCHC MPO and the regional partners in developing regionally consistent forecasts of future year socio-economic and demographic projections and forecasts.
2. Assist the MPO in develop future forecast for population, dwelling units, households, income, vehicle ownership, university beds, employment, census, etc.
3. Assist and support the MPO and the regional stakeholders in the development of land-use scenario planning activities.

**Previous Work:**

1. Work has been ongoing by the City staff, the LPA staff members, DCHC MPO member agencies, and regional partners throughout 2012-2013 to develop a consistent regional methodology for constructing future year land use and socio-economic forecasts; and,
2. Preliminary forecasts were finalized in early summer 2012

**Proposed Activities:**

1. Continue to work with LPA and DCHCMPO partners to collect future land use information and to develop and check future year forecasts;
2. Acquire benchmark data for evaluating correctness of future year forecasts, and perform the evaluation;
3. Develop maps, tables and other presentation materials for review of the forecasts by elected officials and the public; and,
4. Coordinate public review of the future year forecasts and seek formal adoption of the forecasts by the DCHC MPO TAC.

**Products/Deliverables:**

1. Forecasts of land use and socio-economic data for use in the 2045 MTP, Environmental Justice (EJ)/Limited English Proficiency (LEP) demographic profiles; and,
2. Presentation materials based on those forecasts for public review.

**Relationship to Other Plans and MPO Activities:**

1. Future year forecasts are an essential element in preparing analyses of alternatives for the 2040 MTP and for all land use and transportation modeling activities.

**Completion Date**:

1. Forecasts for use in developing the 204 MTP are anticipated to be adopted by the TAC in fall 2015 or spring of 2016.

**Proposed Budget and Level of Effort (Staff or Consulting):**
Work will largely be accomplish by the City of Durham in conjunction with the Lead Planning Agency (LPA) MPO technical staff and temporary help.

**Funding Commitments from Other Entities:**
Parallel efforts are underway at the MPO member jurisdiction, TJCOG and CAMPO member jurisdictions. Concerted effort has been made to ensure consistency of results.

Task II-B:5 Forecast of Data to Horizon year

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $8,589 | | | | $8,589 |
| Local | $2,147 | | | | $2,147 |
| State | | | | | $0 |
| Total | $10,736 | $0 | $0 | $0 | $10,736 |

**Task II-B-9: Highway Element of MTP and CTP**
The MPO will begin evaluation of highway elements of the Comprehensive Transportation Plan. The City will assist and support the MPO efforts. Specifically, the City will assist in the establishment of performance measures for evaluating highway alternatives. Also, the City will identify and evaluate highway facilities to be included as part of the MPO over highway component of the CTP. The City's portion of the highway element of the Comprehensive Transportation Plan (CTP) will be developed in parallel with the MPO's effort.

**Objectives:**
1. To identify a list of highway projects based on travel demand and deficiencies;
2. To develop a series of highway alternatives (i.e., set of highway projects with a distinct objective); and,
3. To develop key data for each highway project such as capacity, length, alignment, cost, implementation year, etc.

**Previous Work:**
1. 2035 and 2040 LRTP/MTP;
2. Congestion Management Process;
3. Triangle Regional Model;
4. Travel demand forecast; and,
5. Capacity Deficiency Analysis.

**Proposed Activities:**
1. Establish evaluation criteria;
2. Develop key data for highway projects;
3. Re-evaluation of 2035 highway element
4. Generate highway projects and alternatives;

5. Evaluate highway projects and alternatives; and,
6. City Council and TAC comments on alternatives.

**Products/Deliverables:**
1. Preferred highway element option; and,
2. Key data for highway projects

**Relationship to Other Plans and MPO Activities:**
Before the highway element can be developed, several other tasks must be successfully completed including: TRM update; travel demand forecasts; capacity deficiency analysis. In addition, and the Congestion Management Process will be important to this task.

**Completion Date:**
Analysis associated with the highway elements of CTP will commence in 2014 and be completed in summer 2015.

**Proposed Budget and Level of Effort (Staff or Consulting):**
This staff will essentially be undertaken by the City of Durham in concert with the LPA and local government staff members. The LPA will manage and implement the highway element of the MTP and CTP.

Task II-B:9 Highway Element of the LRTP

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $3,520 | | | | $3,520 |
| Local | $880 | | | | $880 |
| State | | | | | $0 |
| Total | $4,400 | $0 | $0 | $0 | $4,400 |

**Funding Commitments from Other Entities:**
None.

**<u>Task II-B-10: Transit Element of LRTP and CTP</u>**
The City of Durham will assist and support the MPO on the evaluation of transit elements of the Comprehensive Transportation Plan and the 2045 LRTP. Transit evaluate will include fixed-route bus service, fixed-guideway transit, highway capacity transit and demand responsive transit. Using travel behavior, ridership forecasts and other analysis, evaluation of transit element will look at unmet needs, new services areas and potential markets. Performance measures will be established for evaluating transit alternatives. An extensive roster of transit routes, projects and services will be identified based on the current routes, 2013 base year, transit feasibility studies, transit 5-year and master plans, travel demand forecast and capacity deficiency analysis. Different combinations of these services will produce a variety of transit alternatives that will be analyzed to find the alternative that best meets the CTP/MTP Goals and Objectives and targets, and meets the fiscal constraint requirement. Each alternative will characterize a one or more emphasis

area such as new roadways, transit intensive, etc. The transit element of the Comprehensive Transportation Plan (CTP) will be developed in parallel with the MTP, but will likely have a different set of constraints (e.g., no fiscal constraint).

**Objectives:**

1. To identify a list of transit routes, projects and services based on completed transit studies, travel demand and deficiencies;
2. To develop a series of transit alternatives (i.e., set of transit routes, projects and services with a distinct objective); and,
3. To develop key data for each transit project such as route, ridership capacity (e.g., load capacity and headway), service hours, cost, implementation year, etc.

**Previous Work:**

1. 2035 and 2040 LRTP/MTP;
2. Feasibility studies (regional transit plans , STAC, US 15-501 Transit Corridor and I-40/NC 54 Transit Corridor, Chapel Hill Transit Master Plan, etc.);
3. Transit 5-year TDP and master plans;
4. Travel demand forecast; and,
5. Capacity deficiency analysis.

**Proposed Activities:**

1. Establish evaluation criteria;
2. Develop key data for transit services;
3. Generate transit projects and alternatives;
4. Evaluate transit projects and alternatives; and,
5. City Council and TAC comments on alternatives and draft CTP.

**Products/Deliverables:**

1. Preferred transit element option;
2. Transit CTP map and,
3. Key data for transit projects.

**Relationship to Other Plans and MPO Activities:**

Before the transit element can be developed, several other tasks must be successfully completed including: TRM update and surveys; travel demand forecasts; capacity deficiency analysis. In addition, transit plans and feasibility studies, the Congestion Management Process and 2040 MTP will be important input to this task.

**Completion Date:**

Analysis and studies associated with the transit elements of the LRTP and CTP will commence in fall of 2014 and likely will be completed in fall 2015.

**Proposed Budget and Level of Effort (Staff or Consulting):**

LPA and local government staff will manage and implement the transit element of the MTP and CTP.

Task II-B:10 Transit Element of the LRTP

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $3,520 | | | | $3,520 |
| Local | $880 | | | | $880 |
| State | | | | | $0 |
| Total | $4,400 | $0 | $0 | $0 | $4,400 |

**Funding Commitments from Other Entities:**
None.

**Task II-B-11: Bicycle and Pedestrian Element of the LRTP and CTP**
The City of Durham will participate and assist the MPO in evaluating the bicycle and pedestrian elements of the Comprehensive Transportation Plan and the 2045 MTP. The MPO will continue work on the Durham Comprehensive pedestrian Plan and the Old Durham-Chapel Hill Road bicycle and pedestrian feasibility study. Work will commence on the update of the Durham Comprehensive Bicycle Plan and Durham Pedestrian Plan.

**Objectives:**
1. Update the MTP/CTP Bicycle and Pedestrian elements, project descriptions and cost information;
2. Collect public input on bicycle and pedestrian facilities and programs to be included in the CTP/2045 MTP;
3. Update the MTP ancillary planning and program information.
4. Coordinate existing local and regional plans and projects with LRTP bicycle and pedestrian element;
5. Update MTP Bicycle and Pedestrian Element maps; and,
6. Work with local communities on Regional Priority Lists, in order to implement MTP Bicycle and Pedestrian elements through the TIP.

**Previous Work:**
1. Preparation of the Bicycle and Pedestrian elements of the 2035 LRTP.
2. Durham Comprehensive Bicycle Plan
3. Durham Comprehensive Pedestrian Plan

**Proposed Activities:**
1. Collect planned and proposed bicycle and pedestrian project information from local and regional plans and forums for inclusion in the MTP/CTP;
2. Create and update bicycle and pedestrian facility maps;
3. Create and update bicycle and pedestrian demand analysis;
4. Coordinate planning activities between local and regional agencies for bicycle, and pedestrian, trail/greenway and TDM initiatives.

**Products/Deliverables:**
Bicycle and Pedestrian elements of the MTP and CTP will include project descriptions

and demand analysis, assessment of need, maps of regional projects, etc.

**Relationship to Other Plans and MPO Activities:**
Planning activities for the CTP/MTP Bicycle and Pedestrian Element will be coordinated with local and regional bicycle, pedestrian, greenway and TDM Plans, in order to capture all proposed projects within the MPO.

**Completion Date:**
Continuous – on-going.

**Proposed Budget and Level of Effort (Staff or Consulting):**
Tasks will largely be undertaken by the City staff along with LPA staff members and MPO member agencies.

Task II-B:11 Bicycle & Ped. Element of the LRTP

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $127,520 | | | | $127,520 |
| Local | $31,880 | | | | $31,880 |
| State | | | | | $0 |
| Total | $159,400 | $0 | $0 | $0 | $159,400 |

**Funding Commitments from Other Entities:**
None

**Task III-A: Planning Work Program**
Administer the FY 2014-2015 Unified Planning Work Program (UPWP) and prepare and process amendments as needed. Evaluate transportation planning work needs and emphasis areas and prepare the FY 2016 UPWP.

**Objective:**
To prepare and continually maintain a UPWP that describes all transportation and transportation-related planning activities anticipated within the City of Durham and DCHC MPO planning area for the FY 2014-2015. To develop, maintain, and complete the UPWP in conformance with applicable federal, state, and regional guidelines. To prepare UPWP amendments as necessary and requested by member agencies, to reflect any change in programming or focus for the current fiscal year.

**Previous Work:**
1. FY 2013-145 Unified Planning Work Programs5.
2. Amendment to the FY 2014UPWP.

**Proposed Activities:**
1. Review and amend relevant portions of the DCHC's UPWP in order to meet new

planning requirements and/or circumstances pertinent to the MPO emphasis and transportation planning objectives.

2. Develop a new UPWP for the DCHC planning area covering the next program year. The development of a new UPWP will be prepared in cooperation with NCDOT and subject to the development process and public involvement endorsed by the TAC. meeting.

**Expected Work Products:**
1. Amendments to the current UPWP as necessary.
2. Development of the FY 2015-17 Unified Planning Work Program (UPWP).

Task III-A: Unified Planning Work Program (UPWP)

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $2,394 | | | | $2,394 |
| Local | $598 | | | | $598 |
| State | | | | | $0 |
| Total | $2,992 | $0 | $0 | $0 | $2,992 |

**Task III-B: Transportation Improvement Program (TIP)**
Amend TIP/ MTIP as needed. Continue to develop FY 2007 – 2013 MTIP. This includes the refinement of the MPO Priority Needs and the identification of the transportation projects, programs, and services towards which the MPO will direct STP DA funds.

**Objectives:**
As the Lead Planning Agency (LPA) of the DCHC MPO, the City of Durham, Transportation Division is responsible for annually developing, amending, adjusting and maintaining the Transportation Improvement Program (TIP) for the metropolitan area. Under this activity, the LPA will update and amend the current, seven-year program of transportation improvement projects (MTIP) that is consistent with the 2025 Long-Range Transportation Plan, STIP, the State Implementation Plan (SIP), EPA Air Quality Conformity Regulations and FHWA/FTA Planning Regulations.

**Previous Work:**
Regional Priority List and DCHC Metropolitan Transportation Improvement Programs (MTIP). Development MPO Issue paper for One-on-One sessions with NCDOT.
**Proposed Activities:**
1. Develop transportation improvement projects for consideration by the City Council.
2. Develop 2016-2022 TIP.
3. Refine project ranking methodology and priority system.
4. Conduct appropriate public participation for the TIP consistent with the MPO Public Involvement Policy.
5. Conduct formal amendments and adjustments as necessary.
6. Produce and distribute TIP documents for local officials.

7. Attend regular meetings with NCDOT to exchange information regarding transportation improvement projects.

**Expected Work Product:**
1. Work with the MPO in the development of SPOT and 2016-22 TIP.
2. Assist and provide support to the LPA regarding STI/SPOT
3. 2007 - 2013 Metropolitan Transportation Improvement Program
4. Develop and refine procedures necessary for TIP preparation and amendments as necessary.
5. TIP Amendments and Adjustments as necessary.

Task III-B: Transportation Improvement Program -TIP/SPOT

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $10,560 | | | | $10,560 |
| Local | $2,640 | | | | $2,640 |
| State | | | | | $0 |
| Total | $13,200 | $0 | $0 | $0 | $13,200 |

**Task III-C-1: Title VI**
The City will assist and support the MPO's Title VI work program and activities. The City of Durham will continue to provide an update of Civil Rights statistics report to determine compliance of civil rights provisions.

Task III-C-1: Title VI

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $4,224 | | | | $4,224 |
| Local | $1,056 | | | | $1,056 |
| State | | | | | $0 |
| Total | $5,280 | $0 | $0 | $0 | $5,280 |

**Task III-C-6: Public Involvement**
The City of Durham will continue to provide an early, proactive and a meaningful public participation and input throughout the transportation planning process, including providing for open exchange of information and ideas between the public and transportation decision-makers.

**Objectives:**
To provide the public with complete information, timely notice, full access to key decisions and opportunities for early and continuing involvement in the 3C process. To assess the effectiveness of the current Public Involvement Process as required by the MPO, and to develop and enhance the process of public dissemination of information.

**Previous Work:**
1. MPO Public Involvement Process.
2. News Letters
3. News paper advertisements.

**Proposed activities:**
1. Administer the MPO Public Participation Process as needed.
2. Apply the Public Involvement Process to transportation programs and tasks:
3. Public meetings, workshops, and outreach programs to increase public participation, information dissemination, and education.

**Expected Work Products:**
1. Update and maintenance of address of stakeholders.
2. Update and maintenance of mailing list database
3. Support of Citizen Advisory Committee

Task III-C-6: Public Involvement

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $2,886 | | | | $2,886 |
| Local | $722 | | | | $722 |
| State | | | | | $0 |
| Total | $3,608 | $0 | $0 | $0 | $3,608 |

**Task III-D-2: Environmental Analysis & Pre-TIP Planning**

The City will continue to participate regularly and consistently in the TIP project planning & development process, including submission of comments, attending public meetings, attending scoping meetings, attending NEPA 404 merger meetings, and participating in field inspections. The City will be involved in the East End Connector and Alston Avenue project development. The City will continue to support and be involved in NCDOT efforts to link NEPA process in the MPO systems planning process.

**Objectives:**
1. To ensure that the goals, objectives and needs of the DCHC MPO are integrated in the environmental planning process of transportation projects; and,
2. To ensure the needs of the citizens in the City portion of the DCHC MPO planning area are considered in the project planning process.

**Previous Work:**
Regular project scoping, environmental study and public meetings, especially those conducted by the NCDOT.

**Proposed Activities:**
1. Regular participation at project scoping, environmental study and public

meetings, especially those conducted by the NCDOT;
2. Review and comment on project scoping and environmental documents;
3. The City participation in NEPA process for the East End Connector; and,

**Products/Deliverables:**
Written comments on project scoping and environmental studies, activities and documents;

**Relationship to Other Plans and MPO Activities:**
The activities of this task are directly related to transportation projects in the long-range transportation plan and to projects that are being considered for TIP funding.

**Completion Date:**
These activities are provided as needed.

**Proposed Budget and Level of Effort (Staff or Consulting):**
Tasks will be undertaken by LPA and municipal staff.

Task III-D-2: Environmental. Analysis & Pre-TIP Plng.

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $13,376 | | | | $13,376 |
| Local | $3,344 | | | | $3,344 |
| State | | | | | $0 |
| Total | $16,720 | $0 | $0 | $0 | $16,720 |

**Funding Commitments from Other Entities:**
None.

**Task III-E: Management and Operations**
The City will assist and support the DCHCMPO efforts in complying with the federal 3-C process. The City of Durham staff will attend both DCHC MPO and regional meetings. The continuing transportation planning process requires considerable administrative time for attending monthly committee meetings, preparing agendas and minutes to these meetings, training, preparing quarterly progress reports, documenting expenditures for the various planning work items, and filing for reimbursement of expenditures from the PL and STP-DA funds account and other Federal Funds.

***Objective*:**
To assist, support, and facilitate an open Comprehensive, Cooperative, and Continuing (3C) transportation planning and programming process at all levels of government in conformance with applicable federal and state requirements and guidelines as described in the 3C Memorandum of Understanding.

***Previous Work*:**
Management of the 3C process using previous Unified Work Program and prospectus documents, transportation plans, and Memorandum of Understanding. Specifically, previous tasks include but not limited to preparation of Technical Coordinating Committee (TCC) and the Transportation Advisory Committee (TAC) meetings agenda, providing technical assistance to the TAC, development of the MTIP, preparation of the annual UPWP, working with other agencies, such as NC Division of Air Quality, etc.

***Proposed Activities*:**
1. Provide liaisons between DCHC MPO and the City of Durham elected officials and citizens.
2. Provide technical assistance to the MPO.
3. Participate in joint meetings as a means to continually improve the quality and operation of the transportation planning process and decision making within the MPO and in the Triangle Region.
4. Review and comment on federal and state transportation-related plans, programs, regulations and guidelines pertaining to the City of Durham.

***Work Product Expected*:**
1. Technical assistance memoranda, reports, and public involvement meetings and workshops as needed.
2. Updates to the planning documents as required.

Task III-E-1: Management & Operations

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $9,504 | | | | $9,504 |
| Local | $2,376 | | | | $2,376 |
| State | | | | | $0 |
| Total | $11,880 | $0 | $0 | $0 | $11,880 |

# Durham County

- Funding Table
- Task Description and Narrative

Durham County

# Durham-Chapel Hill-Carrboro Urban Area
## FY 2014-2015 Unified Planning Work Program
### Proposed Funding Source Tables

Durham County
3/4/2014 21:38

| | Task Description | SPR Highway NCDOT 20% | SPR Highway FHWA 80% | Sec. 104(f) & 133(b)(3)(7) Local 20% | Sec. 104(f) & 133(b)(3)(7) FHWA 80% | Section 5303 Highway/Transit Local 10% | Section 5303 Highway/Transit NCDOT 10% | Section 5303 Highway/Transit FTA 80% | Section 5307 Transit Local 10% | Section 5307 Transit NCDOT 10% | Section 5307 Transit FTA 80% | Section 5309 Transit Local 25% | Section 5309 Transit NCDOT 25% | Section 5309 Transit FTA 50% | Task Funding Summary Local | Task Funding Summary NCDOT | Task Funding Summary Federal | Task Funding Summary Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| II A | **Surveillance of Change** | | | | | | | | | | | | | | | | | |
| II A 1 | Traffic Volume Counts | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 2 | Vehicle Miles of Travel | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 3 | Street System Changes | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 4 | Traffic Accidents | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 5 | Transit System Data | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 6 | Dwelling Unit, Pop. & Emp. Change | | | 169 | 676 | | | | | | | | | | 169 | - | 676 | 846 |
| 7 | Air Travel | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 8 | Vehicle Occupancy Rates | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 9 | Travel Time Studies | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 10 | Mapping | | | 259 | 1,036 | | | | | | | | | | 259 | - | 1,036 | 1,295 |
| 11 | Central Area Parking Inventory | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 12 | Bike & Ped. Facilities Inventory | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 13 | Bike & Ped. Counts | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| II B | **Long Range Transp. Plan** | | | | | | | | | | | | | | | | | |
| B 1 | Collection of Base Year Data | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 2 | Collection of Network Data | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 3 | Travel Model Updates | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 4 | Travel Surveys | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 5 | Forecast of Data to Horizon year | | | 3,476 | 13,902 | | | | | | | | | | 3,476 | - | 13,902 | 17,378 |
| 6 | Community Goals & Objectives | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 7 | Forecast of Futurel Travel Patterns | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 8 | Capacity Deficiency Analysis | | | 0 | 0 | | | | | | | | | | - | | - | |
| 9 | Highway Element of th LRTP | | | 0 | 0 | | | | | | | | | | - | | - | |
| 10 | Transit Element of the LRTP | | | 4,897 | 19,588 | | | | | | | | | | 4,897 | - | 19,588 | 24,485 |
| 11 | Bicycle & Ped. Element of the LRTP | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 12 | Airport/Air Travel Element of LRTP | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 13 | Collector Street Element of LRTP | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 14 | Rail, Water or other mode of LRTP | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 15 | Freight Movement/Mobility Planning | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 16 | Financial Planning | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 17 | Congestion Management Strategies | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 18 | Air Qual. Planning/Conformity Anal. | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| II C | **Short Range Transit Planning** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Short Range Transit Planning | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| III-A | **Planning Work Program** | | | 267 | 1,067 | | | | | | | | | | 267 | - | 1,067 | 1,333 |
| III-B | **Transp. Improvement Plan** | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| III-C | **Cvl Rgts. Cmp./Otr .Reg. Reqs.** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Title VI | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 2 | Environmental Justice | | | 0 | 0 | | | | | | | | | | - | | - | - |
| 3 | Minority Business Enterprise | | | 0 | 0 | | | | | | | | | | | | | |
| 4 | Planning for the Elderly & Disabled | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 5 | Safety/Drug Control Planning | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 6 | Public Involvement | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 7 | Private Sector Participation | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| III-D | **Incidental Plng./Project Dev.** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Transportation Enhancement Plng. | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 2 | Enviro. Analysis & Pre-TIP Plng. | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 3 | Special Studies | | | 1,170 | 4,682 | | | | | | | | | | 1,170 | - | 4,682 | 5,852 |
| 4 | Regional or Statewide Planning | | | 817 | 3,267 | | | | | | | | | | 817 | - | 3,267 | 4,084 |
| III- E | **Management & Operations** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Management & Operations | 0 | 0 | 974 | 3,896 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 974 | - | 3,896 | 4,870 |
| Totals | | $0 | $0 | $12,029 | $48,115 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $12,029 | $0 | $48,115 | $60,143 |



FINAL DOCUMENT

# DURHAM COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## II-A-6. Dwelling Unit, Population, & Employment Change

Anticipating the beginning of the 2045 Metropolitan Transportation Plan, this task addresses efforts to provide socioeconomic data for the MTP. As needed, County staff will contribute to reviewing the current method of allocating dwelling unit and employment growth – using GIS-based visualization software – to determine how it can be improved for the 2045 MTP.

**Objectives**

O1 – Review and improve the current dwelling unit/employment growth estimation methodology.

O2 – Provide data as needed helpful to estimating dwelling unit and employment change for the 2045 MTP.

**Previous work**

County staff provided projected growth figures to unincorporated parts of Durham County to MPO staff. As part of the 2040 MTP process, County staff reviewed dwelling unit and employment growth control totals, employment data tracked by the MPO, place type and development status assignments to be inputted into CommunityViz software, and CommunityViz model output showing the distribution of growth.

**Proposed activities**

1. Participate in meetings discussing potential improvements to the current estimation methodology (O1)
2. Provide suggestions for improving the current estimation methodology (O1)
3. Submit data relating to dwelling unit and employment change to MPO staff (O2)

**Products**

1. Input on potential improvements/changes to the current estimation methodology (A1, A2)
2. Dwelling unit/employment-related data as needed (A3)

**Relationship to other plans and MPO activities**

2045 MTP

**Proposed budget and level of effort**

Senior Planner: 20 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-A-6 - Dwelling Unit, Pop. & Emp. Change | $170 | $676 | $846 |

# DURHAM COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## II-A-10. Mapping

County staff will assist in developing base maps, GIS layers, and databases to serve MPO-wide and local transportation mapping objectives. They will provide, as needed, GIS layers for highway, transit, bike, and pedestrian networks as well as parcel and zonal information. In addition, County staff will provide CommunityViz mapping support.

**Objectives**

O1 – Update base maps, including spatial and network data, with new data.
O2 – Ensure high-quality mapping and analysis of transportation facilities and amenities.

**Previous work**

Using GIS, provided local socioeconomic data for the 2040 MTP. Reviewed and modified CommunityViz 2040 MTP place type and development status categories.

**Proposed activities**

1. Update shapefiles with new features and-or attribute data (O1, O3)
2. Provide and-or review GIS maps for MPO projects such as the CMP and the early phases of the 2045 MTP, as needed (O2)
3. Conduct GIS network analysis as needed to address transportation issues (O3)

**Products**

1. Up-to-date GIS data (A1, A2)
2. Network datasets and studies (A3)

**Relationship to other plans and MPO activities**

CMP, 2045 MTP

**Proposed budget and level of effort**

10 hours to be completed by Senior Planner
25 hourse to be completed by Planner
Local staff hours: 35 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-A-10 - Mapping | $259 | $1,036 | $1,295 |

# DURHAM COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## II-B-10. Transit Element of the LRTP

County staff is leading the effort for the Station Area Strategic Infrastructure study, which is analyzing the need for infrastructure at the local level, including road, pedestrian, and bicycle infrastructure, around future rail station sites in order to optimize use of the incoming rail system. County staff will also provide data and input for development of a proposed a regional light rail system.

**Objectives**

O1 – Develop the Station Area Strategic Infrastructure study.
O2 – Provide data and input for a proposed regional light rail system between Durham and Chapel Hill.

**Previous work**

The County has completed existing conditions work for approximately half of the station areas and has completed an assessment of infrastructure needs for the "urban" rail stations sites. County staff has been providing input and data for many years on the proposed light rail system.

**Proposed activities**

1. Continue work on the Station Area Strategic Infrastructure study and complete work on the suburban rail station sites, as well as develop cost estimates and financing options for the necessary infrastructure improvements (O1)
2. Provide data and input on the proposed light rail system (O2)

**Products**

1. Development of the Station Area Strategic Infrastructure study (A1)
2. Demographic and land use data for station areas along the proposed light rail system; as well as input on station and track design

**Relationship to other plans and MPO activities**

2040 MTP, Durham Bus and Rail Investment Plan, Durham Comprehensive Plan

**Proposed budget and level of effort**

Planning Supervisor: 40 hours
Planner: 600 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-B-10 - Transit Element of the LRTP | $4,897 | $19,588 | $24,485 |

# DURHAM COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## II-B-5. Forecast of Data to Horizon Year

County staff will contribute to reviewing the current estimation methodology for forecasting socioeconomic data to the MTP horizon year, in order to determine if any improvements are needed to the methodology. In addition, County staff will begin the preparation of land use models and plans that will better integrate future rail transit and land use development around those future stations.

**Objectives**

O1 – Improve the process for forecasting socioeconomic data to the MTP horizon year.
O3 – Create land use plans that better integrate future transit options.

**Previous work**

For the 2040 MTP, the County contributed data and review comments for countywide growth control totals and the CommunityViz allocation of growth estimates within Durham County. County staff has also produced land use plans for selected future rail stations.

**Proposed activities**

1. Communicate with MPO staff and TCC representatives regarding potential improvements to the growth modeling methodology (O1)
2. In conjunction with MPO and local transportation staff, as well as the regional transit authority, create land use plans for future rail station areas (O2)

**Products**

1. Feedback on the growth modeling methodology (A1)
2. New land use ordinances for transit-oriented development (A2)

**Relationship to other plans and MPO activities**

2045 MTP, Durham County Bus and Rail Investment Plan, Durham Comprehensive Plan

**Proposed budget and level of effort**

Planning Supervisor: 100 hours
Senior Planners: 250 hours
Planner: 100 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-B-5 - Forecast of Data to Horizon Year | $3,476 | $13,902 | $17,378 |

# DURHAM COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## III-A-1. Planning Work Program

The County will administer the FY 2014-2015 UPWP and prepare and process amendments as needed. It will evaluate transportation planning work needed and emphasis areas and prepare the FY 2014-2015 UPWP. County staff will serve on the UPWP oversight committee for the MPO.

**Objectives**

O1 – Process amendments to the UPWP if necessary
O2 – Provide input on UPWP oversight

**Previous work**

County staff have been involved in previous UPWPs, providing oversight and guidance to UPWP management.

**Proposed activities**

1. Complete amendment spreadsheets as needed (O1)
2. Prepare Durham County's 2015-2016 UPWP documents and budget (O2)

**Products**

1. Amendment spreadsheets as needed (A1)
2. Durham County's 2014-2015 UPWP activities narrative and budget (A2)

**Relationship to other plans and MPO activities**

Required by federal law, the UPWP is the mechanism for regional transportation planning and coordination in the MPO.

**Proposed budget and level of effort**

All work to be completed by Planning Supervisor.
Local staff hours: 30 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-A-1 - Planning Work Program | $267 | $1,067 | $1,334 |

# DURHAM COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## III-D-3. Special Studies

County staff will continue to conduct or implement special studies related to local transportation issues.

**Objectives**

O1 – Build the CommunityViz 2.0 model
O2 – Conduct other special studies as needed

**Previous work**

In the past several years, the County has engaged in transportation-related studies such as the NC-54/I-40 Corridor Study and the Downtown Parking Study, as well as the original CommunityViz model developed for the 2040 MTP.

**Proposed activities**

1. Work with MPO staffers to build the CommunityViz 2.0 model (O1)
2. Conduct other special studies as needed (O2)

**Products**

1. Provision of data and review of model for CommunityViz 2.0 (A1)
2. Other special studies as needed (A2)

**Relationship to other plans and MPO activities**

2045 MTP

**Proposed budget and level of effort**

Planning Supervisor: 40 hours
Senior Planner: 20 hours
Planner: 100 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-D-3 - Special Studies | $1,170 | $4,682 | $5,852 |

# DURHAM COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## III-D-4. Regional or Statewide Planning

County staff will provide input to the regional transit agency and NCDOT regarding transportation issues. Staff will also serve on various regional transportation-related committees and boards.

**Objectives**

O1 – Provide input to the regional transit agency
O2 – Serve on regional transportation-related boards and committees

**Previous work**

County staff has served on various regional committees such the Triangle J Council of Governments CORE committee, which looks at regional transportation issues. County staff also provides input and data to the regional transit agency as requested.

**Proposed activities**

1. Work with regional planners on transportation planning that crosses jurisdictional borders (O1)
2. Provide input and data to the regional transit agency as requested (O2)

**Products**

1. Provide staff to regional committees (A1)
2. Provision of demographic and land use data and review of conceptual plans for regional transit as requested (A2)

**Relationship to other plans and MPO activities**

2045 MTP

**Proposed budget and level of effort**

Planning Supervisor: 35 hours
Senior Planner: 20 hours
Planner: 50 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-D-4. Regional or Statewide Planning | $817 | $3,267 | $4,084 |

# DURHAM COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## III-E-1. Management and Operations

Administrative tasks necessary to maintaining the 3C planning process will be completed.

**Objectives**

O1 – Participate and contribute to MPO-related meetings.
O2 – Adhere to the goals and tasks laid out in the Unified Planning Work Program.
O3 – Ensure that elected officials have adequate information to make informed decisions on local and regional transportation issues.
O4 – Ensure the local transportation advisory board has the information it needs to develop sound recommendations on local and regional transportation issues.
O5 – Improve staff efficiency and knowledge through training sessions and educational materials.

**Previous work**

Similar to proposed activities described below

**Proposed activities**

1. Attend and participate in TAC and TCC meetings
2. Staff development through professional training courses, seminars, and conferences
3. Prepare materials and present to the local elected officials related to local and regional transportation planning topics
4. Attend and participate in MPO subcommittee meetings

**Products**

1. Staff reports and communication with other County officials as well as elected officials and members of advisory boards

**Relationship to other plans and MPO activities**

See objectives and proposed activities.

**Proposed budget and level of effort**

Planning Supervisor: 66 hours
Senior Planning: 40 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-E-1 - Management and Operations | $974 | $3,896 | $4,870 |

# Orange County

- Funding Table
- Task Description and Narrative

Orange County

**Durham-Chapel Hill-Carrboro Urban Area**
**FY 2014-2015 Unified Planning Work Program**
**Proposed Funding Source Tables**

Orange County
3/4/2014 21:36

| | Task Description | SPR Highway | | Sec. 104(f) & 133(b)(3)(7) | | Section 5303 Highway/Transit | | | Section 5307 Transit | | | Section 5309 Transit | | | Task Funding Summary | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NCDOT 20% | FHWA 80% | Local 20% | FHWA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 25% | NCDOT 25% | FTA 50% | Local | NCDOT | Federal | Total |
| II A | **Surveillance of Change** | | | | | | | | | | | | | | | | | |
| II A 1 | Traffic Volume Counts | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 2 | Vehicle Miles of Travel | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 3 | Street System Changes | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 4 | Traffic Accidents | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 5 | Transit System Data | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 6 | Dwelling Unit, Pop. & Emp. Change | | | 1,272 | 5,086 | | | | | | | | | | 1,272 | - | 5,086 | 6,358 |
| 7 | Air Travel | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 8 | Vehicle Occupancy Rates | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 9 | Travel Time Studies | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 10 | Mapping | | | 580 | 2,320 | | | | | | | | | | 580 | - | 2,320 | 2,900 |
| 11 | Central Area Parking Inventory | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 12 | Bike & Ped. Facilities Inventory | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 13 | Bike & Ped. Counts | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| II B | **Long Range Transp. Plan** | | | | | | | | | | | | | | | | | |
| B 1 | Collection of Base Year Data | | | 975 | 3,900 | | | | | | | | | | 975 | - | 3,900 | 4,874 |
| 2 | Collection of Network Data | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 3 | Travel Model Updates | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 4 | Travel Surveys | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 5 | Forecast of Data to Horizon year | | | 975 | 3,900 | | | | | | | | | | 975 | - | 3,900 | 4,874 |
| 6 | Community Goals & Objectives | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 7 | Forecast of Futurel Travel Patterns | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 8 | Capacity Deficiency Analysis | | | 0 | 0 | | | | | | | | | | - | | - | |
| 9 | Highway Element of th LRTP | | | 0 | 0 | | | | | | | | | | - | | - | |
| 10 | Transit Element of the LRTP | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 11 | Bicycle & Ped. Element of the LRTP | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 12 | Airport/Air Travel Element of LRTP | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 13 | Collector Street Element of LRTP | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 14 | Rail, Water or other mode of LRTP | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 15 | Freight Movement/Mobility Planning | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 16 | Financial Planning | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 17 | Congestion Management Strategies | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 18 | Air Qual. Planning/Conformity Anal. | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| II C | **Short Range Transit Planning** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Short Range Transit Planning | | | 1,166 | 4,663 | | | | | | | | | | 1,166 | - | 4,663 | 5,828 |
| III-A | **Planning Work Program** | | | 392 | 1,568 | | | | | | | | | | 392 | - | 1,568 | 1,960 |
| III-B | **Transp. Improvement Plan** | | | 736 | 2,946 | | | | | | | | | | 736 | - | 2,946 | 3,682 |
| III-C | **Cvl Rgts. Cmp./Otr .Reg. Reqs.** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Title VI | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 2 | Environmental Justice | | | 0 | 0 | | | | | | | | | | - | | - | - |
| 3 | Minority Business Enterprise | | | 0 | 0 | | | | | | | | | | | | | |
| 4 | Planning for the Elderly & Disabled | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 5 | Safety/Drug Control Planning | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 6 | Public Involvement | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 7 | Private Sector Participation | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| III-D | **Incidental Plng./Project Dev.** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Transportation Enhancement Plng. | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 2 | Enviro. Analysis & Pre-TIP Plng. | | | 0 | 0 | | | | | | | | | | - | - | - | - |
| 3 | Special Studies | | | 198 | 792 | | | | | | | | | | 198 | - | 792 | 990 |
| 4 | Regional or Statewide Planning | | | 636 | 2,543 | | | | | | | | | | 636 | - | 2,543 | 3,179 |
| III- E | **Management & Operations** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Management & Operations | 0 | 0 | 4,133 | 16,531 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,133 | - | 16,531 | 20,664 |
| Totals | | $0 | $0 | $11,062 | $44,248 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $11,062 | $0 | $44,248 | $55,310 |

**II-A-6. Dwelling Unit, Population, & Employment Change**

Anticipating much of the development of the 2045 Metropolitan Transportation Plan to occur during FY 2015, this task addresses efforts to provide socioeconomic and dwelling unit/certificate of occupancy data for the 2045 MTP. As needed, County staff will contribute to reviewing methods of allocating dwelling unit, population and employment growth and associated shares of each – using GIS-based visualization software and other tools –to determine how they can be used and incorporated into the development of the 2045 MTP.

**Objectives**

O1 – Review the current dwelling unit, population and employment growth estimation methodology and base year inputs
O2 – Provide dwelling unit, population and employment data as needed to estimate patterns or change for the 2045 MTP
O3 – Review and provide feedback on the MPO's inclusion of dwelling unit, population and employment figures and associated projections for use in the 2045 MTP

**Previous work**

County staff reviewed dwelling unit and employment estimation methodologies and inputs and provided updated figures to MPO staff in previous fiscal years for the 2040 MTP and for the preliminary development of data to be used for the 2045 MTP. County staff has reviewed and will continue to review population, employment, dwelling unit, place types and development status assignments to be used as inputs for Community Viz modeling showing the projected distribution and type of growth.

**Proposed activities**

1. Participate in meetings discussing potential improvements to the current estimation methodology and associated inputs (O1)
2. Provide suggestions for improving the current estimation methodology and inputs (O1)
3. Submit data relating to dwelling unit, population, employment change, place types and development status to MPO staff (O2)
4. Review the MPO's proposed incorporation of data into the 2045 MTP (O3)

**Products**

1. Input on potential improvements/changes to the current estimation methodology and inputs
2. Dwelling unit, population, employment, place type, and development status data as needed
3. Official comments from County staff regarding MPO's use of data for preparation of 2045 MTP

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

**Relationship to other plans and MPO activities**
2045 MTP, CMP, Socioeconomic and demographic data and forecasting, Land-use scenarios planning

**Proposed budget and level of effort**
Transportation Planner : 120 hours
Comprehensive Planning Supervisor: 40 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-A-6 - Dwelling Unit, Pop. & Emp. Ch | $1,272 | $5,086 | $6,358 |

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

## II-A-10. Mapping

The County's GIS specialist, along with other planning staff, will assist in developing base maps, GIS layers, and databases to serve MPO-wide and local transportation and associated data mapping objectives. They will provide, as needed, GIS layers for highway, transit, bike, and pedestrian networks as well as parcel, zonal, census and land development information.

**Objectives**

O1 – Update base maps, including boundary, spatial and network data, with new data
O2 – Provide support for continued MPO GIS data development
O3 – Ensure high-quality mapping and analysis of transportation facilities and planning-related thematic data

**Previous work**

Provided spatial data for scoring inputs to determine project priority selection for TIP development. Provided mapping of transportation improvement proposals within the 2040 MTP for consideration in the TIP. Provided support for continued GIS data development for inclusion in MPO plans and programs. Organized spatial data for Orange County to support/complete base year data collection and socioeconomic data collection and forecasting tasks.

**Proposed activities**

1. Update shapefiles or other layer types with new features and-or attribute data (O1, O3)
2. Provide and-or review GIS maps for MPO projects such as the CMP, the development of the 2045 MTP, and any land use scenario outputs as needed (O2)
3. Conduct GIS network analysis as needed to address transportation issues (O3)

**Products**

1. Updated GIS data
2. Spatial thematic data layouts for 2045 MTP development

**Relationship to other plans and MPO activities**

2045 MTP, CMP, Land-use scenarios planning

**Proposed budget and level of effort**

GIS Project Coordinator: 60 hours
Transportation Planner: 15 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-A-10 - Mapping | $580 | $2,320 | $2,900 |

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

## II-B-1. Collection of Base Year Data

Anticipating much of the development of the 2045 MTP to occur during FY 2015, this task addresses efforts to provide travel, development type and intensity, and socioeconomic data for the MTP for the MTP's base year. As needed, County staff will contribute to reviewing existing data and update the data for the base year as needed for tasks leading to the development of the 2045 MTP, Triangle Regional Model (TRM) and CMP.

**Objectives**

O1 – Update base travel, land use, employment and other socioeconomic data
O2 – Provide support for continued data collection and reporting to the MPO
O3 – Conduct quality checks on MPO's data entry and preparation for use in the 2045 MTP

**Previous work**

The County has collected and provided employment type, employee counts, and place of employment intensity data and information to MPO staff for inclusion in the Triangle Regional Model (TRM) for ultimate use in the 2045 MTP. The County has also provided recommendations for travel data collection locations and comments on improving travel data collection protocols.

**Proposed activities**

1. Continue to update inputs to MPO's employment analyst tool (O1, O3)
2. Continue to review MPO's data entry inputs of employment information and travel data (O2)
3. Continue to review and update priorities for travel data collection locations and other base year data (O3)
4. Review and refine format and incorporation of travel and socioeconomic data produced by data collection activities as proposed for use in the 2045 MTP (O3)

**Products**

1. Up-to-date base year land use, socioeconomic, and travel data
2. Inputs for base year data for regional travel demand model
3. Review comments on format and incorporation of data into the 2045 MTP

**Relationship to other plans and MPO activities**

2045 MTP, Triangle Regional Model (TRM)

**Proposed budget and level of effort**

Transportation Planner: 80 hours
Comprehensive Planning Supervisor: 40 hours

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-B-1 - Collection of Base Year Data | $975 | $3,899 | $4,874 |

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

## II-B-5. Forecast of Data to Horizon Year

The County will contribute to reviewing the current estimation methodology and inputs for forecasting socioeconomic and land use type and intensity data to the MTP horizon year in order to determine if any refinements or improvements are needed to the methodology and inputs. The County will also review and provide feedback on the incorporation of the forecast methodology and inputs into the 2045 MTP.

**Objectives**

O1 – Improve the methodology and data inputs for forecasting socioeconomic data to the MTP horizon year
O2 – Prepare/review/refine format of forecasted data for use in the 2045 MTP

**Previous work**

Although not a participant in the MPO's UPWP in prior years, County staff contributed data and review comments for countywide growth control totals and projections as well as the Community Viz allocation of growth estimates within Orange County.

**Proposed activities**

1. Communicate with MPO staff and TCC representatives regarding potential improvements to growth modeling methodologies and inputs (O1)
2. Review output of forecasts and format of incorporation into 2045 MTP (O2)

**Products**

1. Feedback on the growth modeling methodology and inputs
2. Feedback and commentary on forecast outputs and format of forecast outputs incorporated into 2045 MTP

**Relationship to other plans and MPO activities**

2045 MTP, CMP, Triangle Regional Model (TRM), Land-Use scenarios planning

**Proposed budget and level of effort**

Transportation Planner: 80 hours
Comprehensive Planning Supervisor: 40 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-B-5 - Forecast of Data to Horizon Year | $975 | $3,899 | $4,874 |

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

## II-C-1. Short Range Transit Planning

The County will participate in short-range transit planning for both Orange County and the metropolitan planning area. County staff will continue to represent Orange County's position on the Orange County Bus and Rail Investment Planning staff working group to continue to refine plan assumptions and details. County planning staff will administer and oversee the implementation of Orange County's component of the plan. County staff will continue coordination with Triangle Transit to process updates to the Bus and Rail Investment Plan and communicate and process those updates with the County Board of Commissioners and the MPO.

**Objectives**

O1 – Ensure that Orange County plays a key role in Triangle Transit's short-range regional transit initiatives including implementation activities related to capital investment and improvements as well as operations
O2 – Continue to work with Triangle Transit on new initiatives, service recommendations, public outreach, and grant funding opportunities within Orange County
O3 – Implement Orange County's component of the Bus and Rail Investment Plan including coordination with Triangle Transit, Chapel Hill Transit and the MPO
O4 – Update assumptions and other information in the Bus and Rail Investment Plan as needed

**Previous work**

County staff has participated in the Orange County Bus and Rail Investment Plan staff working group since its inception in FY 2014 and reviewed and provided feedback on updates to assumptions, identified needs and service recommendations in the plan. County staff prepared a five-year bus service expansion program to act as a programming guide for implementing adopted service recommendations derived from the plan and has taken and continues to take steps to implement the plan. County staff has coordinated with the MPO and its processes to prepare for implementation of the bus service expansion program. The County has also participated in a review and recommendation regarding the MPO's sub-allocation of Federal Formula transit grants.

**Proposed activities**

1. Solicit public and affected agency input and provide feedback on Triangle Transit's proposed regional service concepts and implementation activities in Orange County (O1, O2)
2. Seek and secure grant funding opportunities for Triangle Transit regional bus service concepts in Orange County (O2)
3. Implement Orange County's service recommendation concepts as outlined in the Orange County Bus and Rail Investment Plan and Orange County Five-Year Bus Service Expansion Program (O3)
4. Process and provide feedback on updates and amendments to the Orange County Bus and Rail Investment Plan (O4)

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

**Products**

1. Five-Year Bus Service Expansion Program updates and amendments
2. MPO-administered capital and/or operating project funding requests and proposals
3. Service and funding data summaries for Orange County's component of Bus and Rail Investment Plan
4. Additional transit information and Bus and Rail Investment Plan updates as needed

**Relationship to other plans and MPO activities**
The Orange County Bus and Rail Investment Plan was approved by Orange County, the MPO, and Triangle Transit. The draft 2040 MTP Transit element includes and the draft 2045 MTP will include the recommendations of the Plan. Plan and bus service expansion program implementation will involve various MPO calls for projects and funding decision activities.

**Proposed budget and level of effort**
Transportation Planner: 80 hours
Comprehensive Planning Supervisor: 60 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-C-1 - Short Range Transit Planning | $1,166 | $4,662 | $5,828 |

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

## III-A-1. Planning Work Program

The County will administer the FY 2014-2015 UPWP and prepare and process amendments as needed. It will evaluate transportation planning work and emphasis areas needed and prepare the FY 2015-2016 UPWP.

**Objectives**

O1 – Track and report on Orange County's 2014-2015 UPWP activities
O2 – Process amendments to the UPWP if necessary
O3 – Submit the 2015-2016 UPWP to the MPO

**Previous work**

County staff prepared a UPWP for FY 2013-2014 and tracked the completion of UPWP tasks with quarterly progress reports. County staff also processed amendments to the 2013-2014 UPWP. Progress reports have made clear how much funding remains for tasks in the fiscal year guiding the necessity for amendments.

**Proposed activities**

1. Complete quarterly reports for the 2014-2015 UPWP (O1)
2. Complete amendment spreadsheets as needed (O2)
3. Prepare Orange County's 2015-2016 UPWP documents and budget (O3)

**Products**

1. Quarterly progress reports and invoices to the MPO on UPWP activities
2. Amendment spreadsheets as needed
3. Orange County's 2015-2016 UPWP activities narrative and budget (A3)

**Relationship to other plans and MPO activities**

Required by federal law, the UPWP is the mechanism for laying out regional transportation planning activities and coordination with the MPO.

**Proposed budget and level of effort**

Transportation Planner: 40 hours
Comprehensive Planning Supervisor: 10 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-A-1 - Planning Work Program | $392 | $1,568 | $1,960 |

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

## III-B-1. Transportation Improvement Program

In anticipation of 2016-2022 STIP and DCHC MPO TIP adoption, County planning staff will continue to communicate and strategize for the programming of transportation project priorities countywide and communicate those priorities to County advisory boards and the governing body. Orange County planning staff will work with boards to develop requests for transportation improvements for various MPO calls for projects. County planning staff will also collect and report data for prioritized projects to the MPO. The County will also participate in the MPO's development of process, strategy, and methodology for developing a TIP.

**Objectives**

O1 – Facilitate processing of County's prioritization of projects for TIP consideration including research and data reporting for candidate projects
O2 – Communicate and coordinate project priorities to the public, County advisory boards, and the County's governing body
O3 – Communicate priorities and corresponding data to the MPO

**Previous work**

County staff developed a priority list for the County of transportation project improvements during FY 2013-2014 and communicated those priorities to MPO staff for 2016-2022 TIP consideration. This list involved researching needs, processing through advisory boards and elected officials, and submission in various phases to MPO staff. County staff also participated in an STP-DA call for projects and in the MPO's development of process, strategy, and methodology for developing a TIP and maximizing transportation project funding for the region.

**Proposed activities**

1. Support and facilitate consideration and processing of candidate projects and provide funding information and cost estimates as well as other data for the 2016-2022 TIP (O1 and O2)
2. Facilitate feedback from the public, Transportation Advisory Board, and Board of County Commissioners for 2016-2022 TIP projects (O2)
3. Facilitate consideration of inclusion of Orange County projects in the 2016-2022 TIP to communicate to the MPO (O3)

**Products**

1. Project data submission to MPO staff
2. County feedback on proposed TIP

**Relationship to other plans and MPO activities**

2016-2022 TIP, 2040 MTP, efforts by the MPO to expedite the completion of STP-DA projects

**Proposed budget and level of effort**

Transportation Planner: 80 hours
Comprehensive Planning Supervisor: 15 hours

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-B-1 - Transportation Improvement Progr | $736 | $2,946 | $3,682 |

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

## III-D-3. Special Studies

County staff will continue to conduct or implement special studies related to local transportation issues, namely the continued development and implementation of a Safe Routes to School Action Plan.

**Objectives**

O1 – Implement the Safe Routes to School Action Plan
O2 – Conduct other special studies as needed

**Previous work**

Over the past year, the County has prepared a major update to its Safe Routes to School Action Plan and began intended implementation of the plan through MPO calls for projects.

**Proposed activities**

1. Implement the Safe Routes to School Action Plan (O1)
2. Conduct other special studies as needed to possibly include an access management/collector street study for the County's Eno Economic Development District (O2)

**Products**

1. Safe Routes to School Action Plan project implementation
2. Other special studies as needed

**Relationship to other plans and MPO activities**

2016-2022 TIP, Comprehensive Transportation Plan – Collector Street element

**Proposed budget and level of effort**

Transportation Planner: 15 hours
GIS Project Coordinator: 5 hours
Comprehensive Planning Supervisor: 5 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-D-3 - Special Studies | $198 | $792 | $990 |

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

## III-D-4. Regional or Statewide Planning

The County will coordinate with NCDOT and other regional and state transportation planning organizations regarding project funding eligibility and other information in preparation of the 2016-2022 STIP. The County will also participate in the development of the MPO's Program Management Plan for managing programs the MPO administers.

**Objectives**

O1 – Coordinate with NCDOT regarding project funding eligibility, NCDOT's priorities and other information to continue to support and advance transportation project priorities for the County

O2 – Participate and provide information for the MPO's development of a Program Management Plan (PMP)

**Previous work**

Orange County staff attended and participated in a Coordinated Public Transportation – Human Service Transportation Plan (CPT-HSTP) update workshop and completed an input survey for the development of the plan representing the County's public transportation needs. The County also coordinated with NCDOT Division 7 staff through meetings and phone calls to collect information and review Division and County transportation priorities.

**Proposed activities**

1. Meet and coordinate with NCDOT to determine Division's transportation priorities for the County and surrounding areas (O1)
2. Participate in development of MPO's PMP (O2)

**Products**

1. 2016-2022 STIP
2. Input to development of PMP

**Relationship to other plans and MPO activities**

2016-2022 TIP and STIP, CPT-HSTP

**Proposed budget and level of effort**

Transportation Planner: 60 hours
Comprehensive Planning Supervisor: 20 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-D-4 - Regional or Statewide Planning | $636 | $2,543 | $3,179 |

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

## III-E-1. Management and Operations

Administrative tasks necessary to maintaining the 3C planning process will be completed.

**Objectives**

O1 – Participate and contribute to MPO-related meetings
O2 – Adhere to the goals and tasks laid out in the Unified Planning Work Program
O3 – Ensure that elected officials have adequate information to make informed decisions on local and regional transportation issues
O4 – Ensure the local transportation advisory board has the information it needs to develop sound recommendations on local and regional transportation issues
O5 – Improve staff efficiency and knowledge through training sessions and educational materials

**Previous work**

Same as activities proposed below.

**Proposed activities**

1. Attend and participate in TAC and TCC meetings
2. Preparing quarterly progress reports/invoices and documenting expenditures for planning work items
3. Staff development through professional training courses, seminars, and conferences
4. Subscriptions to professional publications and professional organizational dues
5. Acquire needed software, books, and other materials
6. Facilitate local transportation advisory board meetings by creating agendas, minutes, and staff reports
7. Prepare materials and present to the local elected officials related to local and regional transportation planning topics
8. Attend and participate in MPO subcommittee meetings

**Products**

1. Staff reports and agenda materials for Transportation Advisory Board and County Board of Commissioners meetings
2. Routine submissions to MPO staff communicating Orange County project and general transportation planning information

**Relationship to other plans and MPO activities**

2045 MTP, 2016-2022 TIP, MPO TAC and TCC agendas and decisions

**Proposed budget and level of effort**

Transportation Planner: 300 hours
Comprehensive Planning Supervisor: 200 hours

# ORANGE COUNTY
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP-STP-DA

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-E-1 - Management and Operations | $4,133 | $16,531 | $20,664 |

# Town of Chapel Hill

- Funding Table
- Task Description and Narrative
- 5303 FTA Task Narrative
- FTA Check Lists
- DBE Form (5303)

Town of Chapel Hill

# Durham-Chapel Hill-Carrboro Urban Area
## FY 2014-2015 Unified Planning Work Program
## Proposed Funding Source Tables

Town of Chapel Hill
5/14/2014 8:36

| | Task Description | STP-DA 133(b)(3)(7) | | Sec. 104(f) PL | | Section 5303 Highway/Transit | | | Section 5307 Transit | | | Section 5309 Transit | | | Task Funding Summary | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Local 20% | FHWA 80% | Local 20% | FHWA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 25% | NCDOT 25% | FTA 50% | Local | NCDOT | Federal | Total |
| II A | **Surveillance of Change** | | | | | | | | | | | | | | | | | |
| II A 1 | Traffic Volume Counts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Vehicle Miles of Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Street System Changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Traffic Accidents | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Transit System Data | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 6 | Dwelling Unit, Pop. & Emp. Change | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 7 | Air Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 8 | Vehicle Occupancy Rates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 9 | Travel Time Studies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 10 | Mapping | 6,003 | 24,014 | 0 | 0 | 5,267 | 5,267 | 42,138 | 0 | 0 | 0 | | | | 11,271 | 5,267 | 66,151 | 82,689 |
| 11 | Central Area Parking Inventory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 12 | Bike & Ped. Facilities Inventory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 13 | Bike & Ped. Counts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| II B | **Long Range Transp. Plan** | | | | | | | | | | | | | | | | | |
| B 1 | Collection of Base Year Data | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Collection of Network Data | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Travel Model Updates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Travel Surveys | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Forecast of Data to Horizon year | 2,494 | 9,976 | 0 | 0 | 4,037 | 4,037 | 32,295 | 0 | 0 | 0 | | | | 6,531 | 4,037 | 42,271 | 52,839 |
| 6 | Community Goals & Objectives | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 7 | Forecast of Futurel Travel Patterns | 970 | 3,878 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 970 | - | 3,878 | 4,848 |
| 8 | Capacity Deficiency Analysis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 9 | Highway Element of th LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 10 | Transit Element of the LRTP | 1,684 | 6,736 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 1,684 | - | 6,736 | 8,420 |
| 11 | Bicycle & Ped. Element of the LRTP | 21,259 | 85,037 | 0 | 0 | 758 | 758 | 6,061 | 0 | 0 | 0 | | | | 22,017 | 758 | 91,097 | 113,872 |
| 12 | Airport/Air Travel Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 13 | Collector Street Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 14 | Rail, Water or other mode of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 15 | Freight Movement/Mobility Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 16 | Financial Planning | 0 | 0 | 0 | 0 | 214 | 214 | 1,708 | 0 | 0 | 0 | | | | 214 | 214 | 1,708 | 2,135 |
| 17 | Congestion Management Strategies | 4,210 | 16,840 | 0 | 0 | 153 | 153 | 1,220 | 0 | 0 | 0 | | | | 4,363 | 153 | 18,060 | 22,575 |
| 18 | Air Qual. Planning/Conformity Anal. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| II C | **Short Range Transit Planning** | | | | | | | | | | | | | | | | | |
| 1 | Short Range Transit Planning | 0 | 0 | 0 | 0 | 816 | 816 | 6,530 | 0 | 0 | 0 | | | | 816 | 816 | 6,530 | 8,163 |
| III-A | **Planning Work Program** | 610 | 2,440 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 610 | - | 2,440 | 3,050 |
| III-B | **Transp. Improvement Plan** | 915 | 3,660 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 915 | - | 3,660 | 4,575 |
| III-C | **Cvl Rgts. Cmp./Otr .Reg. Reqs.** | | | | | | | | | | | | | | | | | |
| 1 | Title VI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Environmental Justice | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Minority Business Enterprise | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Planning for the Elderly & Disabled | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Safety/Drug Control Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 6 | Public Involvement | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 7 | Private Sector Participation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| III-D | **Incidental Plng./Project Dev.** | | | | | | | | | | | | | | | | | |
| 1 | Transportation Enhancement Plng. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Enviro. Analysis & Pre-TIP Plng. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Special Studies | 854 | 3,416 | 0 | 0 | 1,209 | 1,209 | 9,670 | 0 | 0 | 0 | | | | 2,063 | 1,209 | 13,086 | 16,357 |
| 4 | Regional or Statewide Planning | 1,220 | 4,880 | 0 | 0 | 1,852 | 1,852 | 14,814 | 0 | 0 | 0 | | | | 3,072 | 1,852 | 19,694 | 24,618 |
| III- E | **Management & Operations** | | | | | | | | | | | | | | | | | |
| 1 | Management & Operations | 6,928 | 27,711 | 0 | 0 | 4,138 | 4,138 | 33,105 | 0 | 0 | 0 | 0 | 0 | 0 | 11,066 | 4,138 | 60,816 | 76,020 |
| Totals | | $47,147 | $188,588 | $0 | $0 | $18,443 | $18,443 | $147,541 | $0 | $0 | $0 | $0 | $0 | $0 | $65,590 | $18,443 | $336,129 | $420,161 |



FINAL DOCUMENT

# CHAPEL HILL TRANSIT
# FTA TASK NARRATIVE TABLE
# FY2014-2015 (FY15) UPWP

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1- | MPO | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) |
| 2- | FTA Code | *442400* | *442301* | *442302* | *442302* | *442302* | *442302* | *442302* | *442100* |
| 3- | Task Code | *II-A-5* | *II-A-10* | *II-B-5* | *II-B-11* | *II-B-16* | *II-B-17* | *II-C-1* | *III-A-1* |
| 4- | Title of Planning Task | *Transit System Data* | *Mapping* | *Forecast of Data to Horizon Year* | *Bicycle and Pedestrian Element of LRTP* | *Financial Planning* | *Congestion Management Strategies* | *Short Range Transit Planning* | *Planning Work Program* |
| 5- | Task Objective | Review and analyze transit system data to monitor changes in travel behavior | Participate with MPO in further development of regional GIS database; prepare mapping to support local and regional activties | To prepare projections for 2045 housing, population and employment. | To review and update bicycle network included in 2045 MTP update | Prepare Financial Plan for 2045 MTP. Development of a strategic plan, and financial plan identifying sustainable funding sources for services established in the strategic plan. | Coordinate wth Triangle Regional TDM program to implement regionwide TDM program. | Develop elements of Chapel Hill Transit Short Range Transit Plan. | To prepare the Chapel Hill element of the FY2015 UPWP |
| 6- | Tangible Product Expected | Chapel Hill Data Book Update | MPO Regional GIS database and CMS database. | Projections of socio economic data for use in the developmentof the 2045 MTP. | 2045 MTP bicycle network | Refinement of the Orange County Transit Plan and development of the 2045 MTP Fiancial Plan element. | Preparation of DCHC MPO CMS and Development of TDM program for incorporation into 2045 LRTP | Refinements to the previously completed comprehensive route analysis and incorporation of recommendations of Strategic Financial Study. | FY2015 PWP |
| 7- | Expected Completion Date of Product(s) | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 |
| 8- | Previous Work | 2012 Data Book Updatae | Provided support for development of geo spatial database architecture. | Preparation of 2040 socio economic projections. | Development of 2040 MTP bicycle network | 2040 Financial Plan and CHT's Financial Sustainability Plan | TDM element of 2040 LRTP. | Development of comprehensive route analysis. | Development and management of FY13 & FY14 UPWP |
| 9- | Prior FTA Funds | $26,600 | $48,400 | $8,000 | $0 | $35,600 | $2,400 | $18,000 | $4,000 |
| 10- | Relationship To Other Activities | Supports implementation of LRTP | Supports developemnt of LRTP and related MPO activities | Supports development of the 2045 LRTP | Supports development of the 2045 LRTP | Supports development of the 2045 LRTP | Supports development of the 2045 LRTP | Supports implementation of the MPO LRTP | Supports implemenation of annual work program |
| 11- | Agency Responsible for Task Completion | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill |
| 12- | HPR - Highway - NCDOT 20% | | | | | | | | |
| 13- | HPR - Highway - FHWA 80% | | | | | | | | |
| 14- | Section 104 (f) PL Local 20% | | $6,055 | $6,055 | $2,069 | | $3,470 | | $305 |
| 15- | Section 104 (f) PL FHWA 80% | | $24,218 | $24,218 | $8,275 | | $13,880 | | $1,220 |
| 16- | Section 5303 Local 10% | | $5,267 | $4,037 | $758 | $214 | $153 | $817 | |
| 17- | Section 5303 NCDOT 10% | | $5,267 | $4,037 | $758 | $212 | $151 | $815 | |
| 18- | Section 5303 FTA 80% | | $42,138 | $32,295 | $6,061 | $1,708 | $1,220 | $6,530 | |
| 19- | Section 5307 Transit - Local 10% | $1,563 | $1,375 | | | $25,000 | | $625 | $250 |
| 20- | Section 5307 Transit - NCDOT 10% | $1,561 | $1,375 | | | $25,000 | | $625 | $250 |
| 21- | Section 5307 Transit - FTA 80% | $13,750 | $11,000 | | | $200,000 | | $5,000 | $2,000 |
| 22- | Section 5309 Transit - Local 10% | | | | | | | | |
| 23- | Section 5309 Transit - NCDOT 10% | | | | | | | | |
| 24- | Section 5309 Transit - FTA 80% | | | | | | | | |

# CHAPEL HILL TRANSIT
# FTA TASK NARRATIVE TABLE
# FY2014-2015 (FY15) UPWP

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1- | MPO | **DCHC-MPO (Chapel Hill Transit)** | **DCHC-MPO (Chapel Hill Transit)** | **DCHC-MPO (Chapel Hill Transit)** | **DCHC-MPO (Chapel Hill Transit)** | **DCHC-MPO (Chapel Hill Transit)** | **DCHC-MPO (Chapel Hill Transit)** | **DCHC-MPO (Chapel Hill Transit)** | **DCHC-MPO (Chapel Hill Transit)** | |
| 2- | FTA Code | *442500* | *442700* | *442400* | *442400* | *442400* | *442700* | *442200* | *442100* | |
| 3- | Task Code | *III-B-1* | *III-C-3* | *III-C-4* | *III-C-5* | *III-C-6* | *III-D-3* | *III-D-4* | *III-E* | |
| 4- | Title of Planning Task | *Transportation Improvement Program* | *Minority Business Enterprise* | *Planning for the Elderly and Disabled* | *Safety/Drug Control Planning* | *Public Involvement* | *Special Studies* | *Regional or Statewide Planning* | *Management and Operations* | *TOTALS* |
| 5- | Task Objective | To monitor the adopted TIP and prepare information for amendments to TIP. | To assess compliance with minority business enterprise regulations | To assess impact of transit service on elderly and handicapped populations | To implement and monitor federal safety and drug control plannning | To establish public outreach efforts to engage public involvement. | To prepare special studies to support ongoing transit operations. To prepare an Alternatives Analysis for CHT. | To support regional and statewide planning projects | To support various transit planning activities | |
| 6- | Tangible Product Expected | Updated TIP | Annual assessment | Annual assessment | Annual Assessments | Annual transit forums | Preparation of Chapel Hill Pedestrian Plan and participation in NCDOT US 15-501/Fordham Blvd. Feasability Study and US 15-501 South Corridor Study. | Coordination with Triangle Transit on implemenation of Durham to Chapel Hill LRT. | Ongoing transit activities and reporting requirements. | |
| 7- | Expected Completion Date of Product(s) | On-going | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | |
| 8- | Previous Work | Adjustments to existing TIP; Development of new TIP | Annual assessment | Ongoing monitoring | Ongoing monitoring | Annual transit forums | Chapel Hill Long Range Transit Plan | | Management of transit planning activities | |
| 9- | Prior FTA Funds | $5,600 | $4,000 | $8,000 | $32,000 | $4,000 | $0 | $50,800 | $115,160 | |
| 10- | Relationship To Other Activities | Supports implementaiton of adopted LRTP | State/Federal MBE requirements | This project supports the development of the 2045 Regional Plan | | This project supports the developmnet of the 2045 Regional plan | This project supports the developmnet of the 2045 Regional plan | Supports the implementation of the 2040 Regional Plan and the Chapel Hill Long Range Transit Plan | Supports all other transit planning activities MPO-wide. | |
| 11- | Agency Responsible for Task Completion | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | |
| 12- | HPR - Highway - NCDOT 20% | | | | | | | | | |
| 13- | HPR - Highway - FHWA 80% | | | | | | | | | |
| 14- | Section 104 (f) PL Local 20% | $305 | | | | | $20,255 | $1,220 | $5,694 | $45,428 |
| 15- | Section 104 (f) PL FHWA 80% | $1,220 | | | | | $81,018 | $4,880 | $22,778 | $181,7[illegible] |
| 16- | Section 5303 Local 10% | | | | | | $1,209 | $1,852 | $4,138 | $18,4[illegible] |
| 17- | Section 5303 NCDOT 10% | | | | | | $1,209 | $1,852 | $4,138 | $18,4[illegible] |
| 18- | Section 5303 FTA 80% | | | | | | $9,670 | $14,814 | $33,105 | $147,5[illegible] |
| 19- | Section 5307 Transit - Local 10% | $250 | $250 | $1,000 | $250 | $200 | | $900 | $3,868 | $35,5[illegible] |
| 20- | Section 5307 Transit - NCDOT 10% | $250 | $250 | $1,000 | $250 | $200 | | $900 | $3,867 | $35,528 |
| 21- | Section 5307 Transit - FTA 80% | $2,000 | $2,000 | $8,000 | $2,000 | $1,600 | | $7,200 | $30,940 | $285,490 |
| 22- | Section 5309 Transit - Local 10% | | | | | | | | | $0 |
| 23- | Section 5309 Transit - NCDOT 10% | | | | | | | | | $0 |
| 24- | Section 5309 Transit - FTA 80% | | | | | | | | | $0 |

# Task Descriptions and Summary Narratives for FY 2014-05 Unified Planning Work Program (UPWP): Town of Chapel Hill

## Task II-A-10: Mapping

The Town of Chapel Hill will continue to undertake tasks associated with mapping and updates to UPWP transportation planning activities such as the CMS, MTP, CTP, TIP, SPOT/Prioritization, traffic counts, bicycle and pedestrian counts and inventory, transit routes, land use, traffic analysis zones, socio-economic and demographic trends, and environmental factors. The Town mapping and spatial GIS product will support the MPO overall GIS and geo-spatial management system. Also, the MPO data and GIS integration will serve as a platform for maintaining and updating of data in GIS format.

**Objectives:**

1. To provide maps for use in various MPO planning activities;
2. Update base maps
3. Update and maintain geo-spatial maps
4. Provide mapping support for Community Viz, modeling, MTP, CTP, etc.;
5. Main GIS-Online and,
6. To maintain updated geospatial information for transportation analyses.

**Previous Work:**

The LPA has prepared mapping for various MPO activities such as the 2035 LRTP, MTIP Regional Priority project Lists, 2009-15 MTIP, functional classification based on the 2000 Census, MPO urbanized area maps, MAB, etc.

**Proposed Activities:**

1. Collect updated geospatial information;
2. Monitor development of MPO on-line GIS system;
3. Create files and maps containing MPO transportation information; and,
4. Coordinate the development of the Community Viz 2.0 platform for use in development of 2045 MTP.

**Products/Deliverables:**

1. Maps for various MPO planning activities;
2. Region-wide GIS files;
3. MPO Enterprise GIS;
4. Geo-spatial mapping;
5. Update count maps
6. ArcGIS Online; and,
7. Data Management System.

**Relationship to Other Plans and MPO Activities:**

GIS data will be used in many MPO activities such as the Triangle Regional Model,

Metropolitan Transportation Plan (MTP), Comprehensive Transportation Plan (CTP), the Congestion Management Program (CMP) Card, Functional classification update, TIP Regional Priority List, MTIP development, NCDOT SPOT, land-use scenario, environmental layers, and other mappings to support the MPO-LPA transportation planning activities.

**Completion Date**:
Geo-spatial data for the Town of Chapel Hill will be compiled on a continual basis. Mapping will be completed as needed for various projects and as needed by the MPO Lead Planning Agency.

**Proposed Budget and Level of Effort (Staff or Consulting):**
Tasks will be undertaken by municipal staff.

**Proposed Budget:**

Task IIA-10: Mapping

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $24,014 | | | | $24,014 |
| Local | $6,003 | | | | $6,003 |
| State | $0 | | | | $0 |
| | | | | | |
| Total | $30,017 | $0 | $0 | $0 | $30,017 |

**Funding Commitments from Other Entities:**
None.

## Task II-B-5: Forecast of Data to Horizon Year

The Town of Chapel Hill will assist and support the LPA/MPO in the development of Community Viz. 2.0 as well as in the development of demographic and socio-economic forecasts. Forecasts will be generated for County control totals and traffic analysis zones. Forecasts will be made consistent with the Town land use plans.

**Objectives:**

1. To assist the DCHC MPO and the regional partners in developing regionally consistent forecasts of future year socio-economic and demographic projections and forecasts.
2. Assist the MPO in develop future forecast for population, dwelling units, households, income, vehicle ownership, university beds, employment, census, etc.
3. Assist and support the MPO , Orange County jurisdictions and regional stakeholders in the development of land-use scenario planning activities.

**Previous Work:**

1. Work has been ongoing by the Town staff, the LPA staff members, DCHC MPO member agencies, and regional partners throughout 2012-2013 to develop a consistent regional methodology for constructing future year land use and socio-economic forecasts; and,
2. Preliminary forecasts were finalized in early summer 2012

**Proposed Activities:**

1. Continue to work with LPA and DCHCMPO partners to collect future land use information and to develop and check future year forecasts;
2. Acquire benchmark data for evaluating correctness of future year forecasts, and perform the evaluation;
3. Develop maps, tables and other presentation materials for review of the forecasts by elected officials and the public; and,
4. Coordinate public review of the future year forecasts and seek formal adoption of the forecasts by the DCHC MPO TAC.

**Products/Deliverables:**

1. Forecasts of land use and socio-economic data for use in the 2045 MTP, Presentation materials based on those forecasts for public review.

**Relationship to Other Plans and MPO Activities:**

1. Future year forecasts are an essential element in preparing analyses of alternatives for the 2040 MTP and for all land use and transportation modeling activities.

**Completion Date:**

1. Forecasts for use in developing the 204 MTP are anticipated to be adopted by the TAC in fall 2015 or spring of 2016.

**Proposed Budget and Level of Effort (Staff or Consulting):**
Work will largely be accomplish by the Town of Chapel Hill in conjunction with the Lead Planning Agency (LPA) MPO technical staff and temporary help.

**Funding Commitments from Other Entities:**
Parallel efforts are underway at the MPO member jurisdiction, TJCOG and CAMPO member jurisdictions. Concerted effort has been made to ensure consistency of results.

Task II-B:5 Forecast of Data to Horizon year

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $9,976 | | | | $9,976 |
| Local | $2,494 | | | | $2,494 |
| State | $0 | | | | $0 |
| | | | | | |
| Total | $12,470 | $0 | $0 | $0 | $12,470 |

## Task II-B-10: Transit Element of LRTP and CTP

The Town of Chapel Hill will assist and support the MPO on the evaluation of transit elements of the Comprehensive Transportation Plan and the 2045 LRTP. Transit evaluate will include fixed-route bus service, fixed-guideway transit, highway capacity transit and demand responsive transit. Using travel behavior, ridership forecasts and other analysis, evaluation of transit element will look at unmet needs, new services areas and potential markets. Performance measures will be established for evaluating transit alternatives. An extensive roster of transit routes, projects and services will be identified based on the current routes, 2013 base year, transit feasibility studies, transit 5-year and master plans, travel demand forecast and capacity deficiency analysis. Different combinations of these services will produce a variety of transit alternatives that will be analyzed to find the alternative that best meets the CTP/MTP Goals and Objectives and targets, and meets the fiscal constraint requirement. Each alternative will characterize a one or more emphasis area such as new roadways, transit intensive, etc. The transit element of the Comprehensive Transportation Plan (CTP) will be developed in parallel with the MTP, but will likely have a different set of constraints (e.g., no fiscal constraint).

**Objectives:**

1. To identify a list of transit routes, projects and services based on completed transit studies, travel demand and deficiencies;
2. To develop a series of transit alternatives (i.e., set of transit routes, projects and services with a distinct objective); and,
3. To develop key data for each transit project such as route, ridership capacity (e.g., load capacity and headway), service hours, cost, implementation year, etc.

**Previous Work:**

1. 2035 and 2040 LRTP/MTP;
2. Feasibility studies (regional transit plans , STAC, US 15-501 Transit Corridor and I-40/NC 54 Transit Corridor, Chapel Hill Transit Master Plan, etc.);
3. Transit 5-year TDP and master plans;
4. Travel demand forecast; and,
5. Capacity deficiency analysis.

**Proposed Activities:**

1. Establish evaluation criteria;
2. Develop key data for transit services;
3. Generate transit projects and alternatives;
4. Evaluate transit projects and alternatives; and,
5. City Council and TAC comments on alternatives and draft CTP.

**Products/Deliverables:**

1. Preferred transit element option;
2. Transit CTP map and,
3. Key data for transit projects.

**Relationship to Other Plans and MPO Activities:**
Before the transit element can be developed, several other tasks must be successfully completed including: TRM update and surveys; travel demand forecasts; capacity deficiency analysis. In addition, transit plans and feasibility studies, the Congestion Management Process and 2040 MTP will be important input to this task.

**Completion Date:**
Analysis and studies associated with the transit elements of the LRTP and CTP will commence in fall of 2014 and likely will be completed in fall 2015.

**Proposed Budget and Level of Effort (Staff or Consulting):**
Local government staff will manage and implement the transit element of the MTP and CTP.

Task II-B:10 Transit Element of the LRTP

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $6,736 | | | | $6,736 |
| Local | $1,684 | | | | $1,684 |
| State | $0 | | | | $0 |
| | | | | | |
| Total | $8,420 | $0 | $0 | $0 | $8,420 |

**Funding Commitments from Other Entities:**
None.

**Task II-B-11: Bicycle and Pedestrian Element of the LRTP and CTP**

The Town of Chapel Hill will participate and assist the MPO in evaluating the bicycle and pedestrian elements of the Comprehensive Transportation Plan and the 2045 MTP. The Town will continue to work on implementation of the 2014 Bicycle Plan and will prepare a 2014 Pedestrian Plan.

**Objectives:**

1. Update the MTP/CTP Bicycle and Pedestrian elements, project descriptions and cost information;
2. Collect public input on bicycle and pedestrian facilities and programs to be included in the CTP/2045 MTP;
3. Update the MTP ancillary planning and program information.
4. Update MTP Bicycle and Pedestrian Element maps; and,
5. Work to implement elements of the MTP Bicycle and Pedestrian elements through the TIP.
6. Prepare a Chapel Hill Pedestrian Plan.

**Previous Work:**

1. Preparation of the Bicycle and Pedestrian elements of the 2035 LRTP.
2. Chapel Hill Bicycle Plan

**Proposed Activities:**

1. Collect planned and proposed bicycle and pedestrian project information from local and regional plans and forums for inclusion in the MTP/CTP;
2. Create and update bicycle and pedestrian facility maps;
3. Create and update bicycle and pedestrian demand analysis;
4. Coordinate planning activities between local and regional agencies for bicycle, and pedestrian, trail/greenway and TDM initiatives.
5. Prepare scope for Pedestrian Plan, prepare RFQ and select consultant.
6. Manage development of the Pedestrian Plan.

**Products/Deliverables:**

Chapel Hill Pedestrian Plan. Bicycle and Pedestrian elements of the MTP and CTP will include project descriptions and demand analysis, assessment of need, maps of regional projects, etc.

**Relationship to Other Plans and MPO Activities:**

Planning activities for the CTP/MTP Bicycle and Pedestrian Element will be coordinated with local and regional bicycle, pedestrian, greenway and TDM Plans, in order to capture all proposed projects within the MPO.

**Completion Date**:

Continuous – on-going. Pedestrian Plan anticipated to be completed by June 30, 2015.

**Proposed Budget and Level of Effort (Staff or Consulting):**

Tasks will require hiring of consultant to prepare Pedestrian Plan. Town staff will manage the overall development of the Pedestrian Plan and provide assistance in development of the MTP.

Task II-B:11 Bicycle & Ped. Element of the LRTP

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $21,259 | | | | $21,259 |
| Local | $85,037 | | | | $85,037 |
| State | $0 | | | | $0 |
| | | | | | |
| Total | $106,296 | $0 | $0 | $0 | $106,296 |

**Funding Commitments from Other Entities:**
None

## Task II-B-17: Congestion Management Strategies

The Town of Chapel Hill work with the MPO to refine the collection and analysis of data related to the ongoing development of congestion management system for the MPO. Using data collected locally and through the efforts of the MPO the Town will prepare information and analysis specific to evaluating congestion in Chapel Hill and develop strategies to address these issues.

**Objectives:**

1. To identify a areas of congestion within the Town based on collection of count information.
2. Develop strategies to address congested corridors and key intersections;
3. Prepare annual report for Town Council highlighting key issues and proposed recommendations.
4. Coordinate with MPO staff to develop regional CMS.

**Previous Work:**

1. Coordination with MPO for collection of 2012 and 2013 based data,
2. Review of draft 2012 MPO CMS Report.

**Proposed Activities:**

1. Coordinate with MPO on collection of data;
2. Provide MPO with locally collected transportation data;
3. Prepare status report for Town of Chapel Hill
4. Support MPO development of MPO CMS

**Products/Deliverables:**

1. MPO CMS Report
2. Chapel Hill Mobility Report Card Update

**Relationship to Other Plans and MPO Activities:**

The MPO CMS Report provides an ongoing source of information for local government on current state of the transportation network and identifies key problem areas to be addressed in the development of the MTP and the implementation of the MTP through the TIP.

Before the transit element can be developed, several other tasks must be successfully completed including: TRM update and surveys; travel demand forecasts; capacity deficiency analysis. In addition, transit plans and feasibility studies, the Congestion Management Process and 2040 MTP will be important input to this task.

**Completion Date:**

Preparation of updated MPO CMS and Chapel Hill Mobility Report Card by June 30, 2014.

**Proposed Budget and Level of Effort (Staff or Consulting):**

Local government staff will coordinate with MPO on development of CMS and prepare local Mobility Report Card.

Task II-B:17 Congestion Management Strategies

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $16,840 | | | | $16,840 |
| Local | $4,210 | | | | $4,210 |
| State | $0 | | | | $0 |
| | | | | | |
| Total | $21,050 | $0 | $0 | $0 | $21,050 |

**Funding Commitments from Other Entities:**
None.

## Task III-A: Planning Work Program

Administer the Chapel Hill element of the FY 2014-2015 UPWP and prepare and process amendments as needed. Evaluate transportation planning work needs and emphasis areas and prepare the FY 2016 UPWP.

**Objective:**
To prepare and continually maintain a Unified Planning Work Program (UPWP) that describes all transportation and transportation-related planning activities anticipated within the Town of Chapel Hill and DCHC MPO planning area for the FY 2014-2015. To develop, maintain, and complete the UPWP in conformance with applicable federal, state, and regional guidelines. To prepare UPWP amendments as necessary and requested by member agencies, to reflect any change in programming or focus for the current fiscal year.

**Previous Work:**
1. FY 2013-145 Unified Planning Work Programs5.
2. Amendment to the FY 2014UPWP.

**Proposed Activities:**
1. Review and amend relevant portions of the DCHC's UPWP in order to meet new planning requirements and/or circumstances pertinent to the MPO emphasis and transportation planning objectives.

2. Develop a new UPWP for the DCHC planning area covering the next program year. The development of a new UPWP will be prepared in cooperation with NCDOT and subject to the development process and public involvement endorsed by the TAC. meeting.

**Expected Work Products:**
1. Amendments to the current UPWP as necessary.
2. Development of the FY 2015-17 Unified Planning Work Program (UPWP).

Task III-A: Unified Planning Work Program (UPWP)

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $2,440 | | | | $2,440 |
| Local | $610 | | | | $610 |
| State | $0 | | | | $0 |
| | | | | | |
| Total | $3,050 | $0 | $0 | $0 | $3,050 |

## Task III-B: Transportation Improvement Program (TIP)

Amend TIP/ MTIP as needed. Continue to develop FY 2007 – 2013 MTIP. This includes the refinement of the MPO Priority Needs and the identification of the transportation projects, programs, and services towards which the MPO will direct STP DA funds.

**Objectives:**
Provide input to annually developing, amending, adjusting and maintaining the Transportation Improvement Program (TIP) for the metropolitan area. Under this activity, the Town provide input to update and amend the current, seven-year program of transportation improvement projects (MTIP) that is consistent with the 2025 Long-Range Transportation Plan, STIP, the State Implementation Plan (SIP), EPA Air Quality Conformity Regulations and FHWA/FTA Planning Regulations.

**Previous Work:**
Regional Priority List and DCHC Metropolitan Transportation Improvement Programs (MTIP).

**Proposed Activities:**
1. Develop transportation improvement projects for consideration by the Town Council.
2. Develop 2016-2022 TIP.
3. Refine project ranking methodology and priority system.
4. Conduct appropriate public participation for the TIP consistent with the MPO Public Involvement Policy.
5. Conduct formal amendments and adjustments as necessary.
6. Produce and distribute TIP documents for local officials.
7. Attend regular meetings with NCDOT to exchange information regarding transportation improvement projects.

**Expected Work Product:**
1. Work with the MPO in the development of SPOT and 2016-22 TIP.
2. Assist and provide support to the LPA regarding STI/SPOT
3. 2007 - 2013 Metropolitan Transportation Improvement Program
4. Develop and refine procedures necessary for TIP preparation and amendments as necessary.
5. TIP Amendments and Adjustments as necessary.

Task III-B: Transportation Improvement Program -TIP/SPOT

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $3,660 | | | | $3,660 |
| Local | $915 | | | | $915 |
| State | $0 | | | | $0 |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Total | $4,575 | $0 | $0 | $0 | $4,575 |

**Task III-D-3 Special Studies**

Participate in ongoing special studies.

**Objectives:**
To provide staff support to special studies that impact the DCHC MPO. .

**Previous Work:**
1. Staff assistance to US 15-501 South Study
2. Staff assistance to US 15-501/Fordham Feasibility Study

**Proposed activities:**
1. Attend coordination meeting
2. Prepare data on request
3. Provide updates to elected officials

**Expected Work Products:**
1. Completed special studies.

Task III-D-3: Special Studies

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $854 | | | | $854 |
| Local | $3,416 | | | | $3,416 |
| State | $0 | | | | $0 |
| | | | | | |
| Total | $4,270 | $0 | $0 | $0 | $4,270 |

**Proposed Budget and Level of Effort (Staff or Consulting):**
Staff.

**Funding Commitments from Other Entities:**
None.

## Task III-D-4: Regional or Statewide Planning

The Town will continue to work with Triangle Transit to implement specific elements of the regional light rail project. The Town will continue to coordinate with Triangle Transit and the MPO on the environmental studies required to secure State and federal funding and to develop appropriate station area land use plans to support the implementation of the project.

**Objectives:**

1. Coordinate with Triangle Transit to provide input into ongoing environmental studies;
2. Coordinate with UNC Chapel Hill on specific alignment issues.
3. Prepare land use plans as necessary at station area sites.

**Previous Work:**

Coordination with Triangle Transit on Alternatives Analysis and related work.

**Proposed Activities:**

1. Regular participation at project scoping, environmental study and public meetings conducted by the Triangle Transit.
2. Review and comment on various elements of the environmental analysis;
3. Prepare small area plans and other related land use changes at station area locations.

**Products/Deliverables:**

1. Written comments on project scoping and environmental studies, activities and documents;
2. Updated land use plans.

**Relationship to Other Plans and MPO Activities:**

The activities of this task are directly related to transportation projects in the long-range transportation plan and to projects that are being considered for State and federal funding through the TIP.

**Completion Date**:

These activities are provided as needed throughout the year.

**Proposed Budget and Level of Effort (Staff or Consulting):**

Tasks will be undertaken by municipal staff.

Task III-D-4: Regional or Statewide Planning

| | FHWA | FTA Planning Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $4,880 | | | | $4,880 |
| Local | $1,220 | | | | $1,220 |
| State | $0 | | | | $0 |
| | | | | | |
| Total | $6,100 | $0 | $0 | $0 | $6,100 |

**Funding Commitments from Other Entities:**
None.

## Task III-E: Management and Operations

The Town will assist and support the DCHCMPO efforts in complying to the federal 3-C process. The Town of Chapel Hill staff will attend both DCHCMPO and regional meetings. The continuing transportation planning process requires considerable administrative time for attending monthly committee meetings, preparing agendas and minutes to these meetings, training, preparing quarterly progress reports, documenting expenditures for the various planning work items, and filing for reimbursement of expenditures from the PL and STP-DA funds account and other Federal Funds.

***Objective*:**
To assist, support, and facilitate an open Comprehensive, Cooperative, and Continuing (3C) transportation planning and programming process at all levels of government in conformance with applicable federal and state requirements and guidelines as described in the 3C Memorandum of Understanding.

***Previous Work*:**
Management of the 3C process using previous Unified Work Program and prospectus documents, transportation plans, and Memorandum of Understanding. Specifically, previous tasks include but not limited to participation in Technical Coordinating Committee (TCC) and the Transportation Advisory Committee (TAC) meetings , providing technical assistance to the TAC, development of the MTIP, preparation of the annual UPWP, working with other agencies, such as NC Division of Air Quality, etc.

***Proposed Activities*:**
1. Provide liaisons between DCHC MPO and the Town of Chapel Hill elected officials and citizens.

2. Provide technical assistance to the MPO.

3. Participate in joint meetings as a means to continually improve the quality and operation of the transportation planning process and decision making within the MPO and in the Triangle Region.

5. Review and comment on federal and state transportation-related plans, programs, regulations and guidelines pertaining to the Town of Chapel Hill.

***Work Product Expected*:**
1. Technical assistance memoranda, reports, and public involvement meetings and workshops as needed.
2. Updates to the planning documents as required.

Task III-E-1: Management & Operations

| | | |
|---|---|---|
| | FHWA | FTA Planning |

| | | Funds | | | |
|---|---|---|---|---|---|
| | PL/STP-DA | 5303 | 5307 | 5309 | Total |
| Federal | $27,711 | | | | $27,711 |
| Local | $6,928 | | | | $6,928 |
| State | $0 | | | | $0 |
| | | | | | |
| Total | $34,639 | $0 | $0 | $0 | $34,639 |

# Chapel Hill Transit (CHT) for FTA 5303

## Checklist for FTA UPWP Reviews (Please provide description):

1. Planning activities should be programmed which support required actions emanating from a **minimum twenty-year horizon long range transportation plan** (the Plan) which **conforms to Environmental Protection Agency air quality standards**; any goals and objectives stated in the UPWP should be reflect goals and objectives stated in the Plan;

| Yes | No |
|---|---|
| X | |

2. **Description of each discreet task** (in simple narrative sentence(s). Note that not only "new" actions, but also "carry-over" actions listed in previous programming documents must be described, for each UPWP should be independent and comprehensive; new actions should be clearly differentiated from carry-over action; tasks that may be within the MPO's charter, but will not be included in the current year planning should be excluded/deleted; the UPWP should not be constructed as a universal or perpetual document, but should be tailored each year;

| Yes | No |
|---|---|
| X | |

3. **Amount of FTA planning funds** sought to support each planning action/task in the current FY; note that administrative costs including indirect overhead costs may be spread across tasks, and not listed as a separate task OR at the option of the author, an overhead rate applicable across the board to all activities may be indicated and the totals extended;

| Yes | No |
|---|---|
| X | |

4. **FTA Program** (e.g. Section 5307 Urbanized Area Formula Program, Section 5303 Metropolitan Planning Program etc.) from which those funds will be drawn; when a specific task is proposed to be funded from more than one source, it is necessary to indicate FTA funding associated with each programmatic source;

| Yes | No |
|---|---|
| X | |

5. **Cumulative amount of FTA** funds previously drawn to support each task during past fiscal years (ONLY for multi-year tasks which produce specific deliverables); note that amounts should be identified in terms of the year of federal allocation and year of expenditure;

| Yes | No |
|---|---|
| X | |

6. **Product/Deliverable** that will be derived from the planning effort (e.g. study, model, UPWP, TIP, etc); deliverables should be actual tangible products rather than indications of progress or expended efforts;

| Yes | No |
|---|---|
| X | |

7. **Schedule indicating progress for multi-year tasks,** including date when FTA can expect completion of the planning action/task; here, we seek a **completion date** rather than an expression of the duration of time expected for completion (e.g. "the study will be completed by April 30, 2006" rather than "the study will require six months to complete");

| Yes | No |
|---|---|
| X | |

8. **Indication that FTA funds are being used efficiently** for the programmed tasks rather than being banked;

| Yes | No |
|---|---|
| X | |

9. **Planning should be accomplished within the environment of robust public involvement** in compliance with the MPO Public Participation Plan (conforming to SAFETEA-LU requirements) endorsed through the Planning Certification Review process;

| Yes | No |
|---|---|
| X | |

10. Specific reference should be made to **SAFETEA-LU** rather than obsolete reauthorization legislation such as ISTEA TEA21 and/or TEA-21.

| Yes | No |
|---|---|
| X | |

*I have reviewed and certify that ALL the above items related to CHT are true and accurate as it relates to the DCHC MPO FY2014-15 UPWP.*

*David Bonk, Certification Signature – Planning Supervisor*

# CHAPEL HILL
## Anticipated DBE Contracting Opportunities for FY15

Name of MPO: Town of Chapel Hill

Person Completing Form: Carmen Cole

Telephone Number: 919-969-4911

| 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 |
|---|---|---|---|---|---|
| THERE ARE CURRENTLY NO ANTICIPATED DBE CONTRACTING OPPORTUNITIES. | | | | $0 | $0 |
| | | | | | |
| | | | | | |
| | | | | | |

**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.**

# Town of Carrboro

- Funding Table
- Task Description and Narrative

Town of Carrboro

**Durham-Chapel Hill-Carrboro Urban Area**
**FY 2014-2015 Unified Planning Work Program**
**Proposed Funding Source Tables**

Carrboro
4/2/2014 7:21

| | Task Description | STP-DA 133(b)(3)(7) | | Sec. 104(f) PL | | Section 5303 Highway/Transit | | | Section 5307 Transit | | | Section 5309 Transit | | | Task Funding Summary | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Local 20% | FHWA 80% | Local 20% | FHWA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 25% | NCDOT 25% | FTA 50% | Local | NCDOT | Federal | Total |
| II A | **Surveillance of Change** | | | | | | | | | | | | | | | | | |
| II A 1 | Traffic Volume Counts | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 2 | Vehicle Miles of Travel | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 3 | Street System Changes | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 4 | Traffic Accidents | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 5 | Transit System Data | 0 | 0 | 0 | 0 | | | | 0 | 0 | | | | | - | - | - | - |
| 6 | Dwelling Unit, Pop. & Emp. Change | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 7 | Air Travel | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 8 | Vehicle Occupancy Rates | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 9 | Travel Time Studies | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 10 | Mapping | 478 | 1,911 | 0 | 0 | | | | | | | | | | 478 | - | 1,911 | 2,388 |
| 11 | Central Area Parking Inventory | 66 | 265 | 0 | 0 | | | | | | | | | | 66 | - | 265 | 332 |
| 12 | Bike & Ped. Facilities Inventory | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 13 | Bike & Ped. Counts | 1,200 | 4,800 | 0 | 0 | | | | | | | | | | 1,200 | - | 4,800 | 6,000 |
| II B | **Long Range Transp. Plan** | | | | | | | | | | | | | | | | | |
| B 1 | Collection of Base Year Data | 480 | 1,921 | 0 | 0 | | | | | | | | | | 480 | - | 1,921 | 2,401 |
| 2 | Collection of Network Data | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 3 | Travel Model Updates | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 4 | Travel Surveys | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 5 | Forecast of Data to Horizon year | 480 | 1,921 | 0 | 0 | | | | | | | | | | 480 | - | 1,921 | 2,401 |
| 6 | Community Goals & Objectives | 73 | 290 | 0 | 0 | | | | 0 | 0 | 0 | | | | 73 | - | 290 | 363 |
| 7 | Forecast of Futurel Travel Patterns | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 8 | Capacity Deficiency Analysis | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 9 | Highway Element of th LRTP | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 10 | Transit Element of the LRTP | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 11 | Bicycle & Ped. Element of the LRTP | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 12 | Airport/Air Travel Element of LRTP | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 13 | Collector Street Element of LRTP | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 14 | Rail, Water or other mode of LRTP | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 15 | Freight Movement/Mobility Planning | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 16 | Financial Planning | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 17 | Congestion Management Strategies | 109 | 436 | 0 | 0 | | | | | | | | | | 109 | - | 436 | 545 |
| 18 | Air Qual. Planning/Conformity Anal. | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| II C | **Short Range Transit Planning** | | | | | | | | | | | | | | | | | |
| 1 | Short Range Transit Planning | 327 | 1,307 | 0 | 0 | | | | | | | | | | 327 | - | 1,307 | 1,634 |
| III-A | **Planning Work Program** | 327 | 1,307 | 0 | 0 | | | | | | | | | | 327 | - | 1,307 | 1,634 |
| III-B | **Transp. Improvement Plan** | 436 | 1,743 | 0 | 0 | | | | | | | | | | 436 | - | 1,743 | 2,179 |
| III-C | **Cvl Rgts. Cmp./Otr .Reg. Reqs.** | | | | | | | | | | | | | | | | | |
| 1 | Title VI | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 2 | Environmental Justice | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | |
| 3 | Minority Business Enterprise | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | |
| 4 | Planning for the Elderly & Disabled | 73 | 290 | 0 | 0 | | | | 0 | 0 | 0 | | | | 73 | - | 290 | 363 |
| 5 | Safety/Drug Control Planning | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 6 | Public Involvement | 276 | 1,106 | 0 | 0 | | | | | | | | | | 276 | - | 1,106 | 1,382 |
| 7 | Private Sector Participation | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| III-D | **Incidental Plng./Project Dev.** | | | | | 0 | 0 | | | | | | | | | | | |
| 1 | Transportation Enhancement Plng. | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 2 | Enviro. Analysis & Pre-TIP Plng. | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 3 | Special Studies | 30,510 | 122,041 | 0 | 0 | | | | | | | | | | 30,510 | - | 122,041 | 152,551 |
| 4 | Regional or Statewide Planning | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| III- E | **Management & Operations** | | | | | | | | | | | | | | | | | |
| 1 | Management & Operations | 1,967 | 7,868 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,967 | - | 7,868 | 9,836 |
| Totals | | $36,802 | $147,206 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $36,802 | $0 | $147,206 | $184,008 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

II-A-10. Mapping

Town staff will complete mapping activities for the 2045 Metropolitan Transportation Plan, other MPO tasks, and Town transportation issues relating to MPO goals.

**Objectives**

O1 – Support mapping activities for the 2045 MTP

O2 – Generate maps as needed for other MPO and Town transportation planning tasks

**Previous work**

Provided local socioeconomic data for the 2040 MTP. Reviewed and modified CommunityViz 2040 MTP place type and development status categories. Mapped new transit routes for 2040 MTP Transit Element. Provided bicycle and pedestrian shapefiles for 2040 MTP. Edited employment shapefile in Employment Analyst in preparation for the 2045 MTP. Analyzed residential and employment density in the vicinity of bus stops for the Orange County Bus and Rail Investment Plan. Provided downtown Carrboro parking inventory maps. Regularly update transportation shapefiles based on new developments and completed projects.

**Proposed activities**

1. Review and edit place type and development status layers for CommunityViz (O1)
2. Review maps made for the 2045 MTP (O1)
3. Produce maps to assist the Carrboro Parking Plan (O2)
4. Continue use GIS network analyst to assess markets and service areas for transportation facilities (O2)

**Products**

1. Edited layers for the CommunityViz phase of the 2045 MTP (A1)
2. Other 2045 MTP-related maps as needed (A2)
3. Maps and geographic data related to the Carrboro Parking Plan (A3)
4. Network analyses as needed (A4)

**Relationship to other plans and MPO activities**

2045 MTP, Carrboro Parking Plan, Orange Co. Bus and Rail Investment Plan

**Proposed budget and level of effort**

40 percent of work to be completed by GIS Analyst

30 percent of work to be completed by Transportation Planner

30 percent of work to be completed by Transportation Planning Intern

Local staff hours: 70 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-A-10 - Mapping | $478 | $1,910 | $2,388 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## II-A-11. Central Area Parking Inventory

Town staff will conduct an inventory of public and private parking spaces in downtown Carrboro and other areas of town as necessary.

**Objectives**

O1 – Develop a complete inventory of public and private parking spaces in downtown Carrboro
O2 – Maintain an inventory of parking spaces in other areas as needed
O3 – Support the Parking Plan's data collection and analysis

**Previous work**

The Town maintains an inventory of all municipal parking spaces. The last major inventory of private spaces was conducted as part of *Carrboro Parking: An Exploratory Study*, a 2008 study conducted by the UNC Dept. of City and Regional Planning. Chapel Hill Transit maintains an inventory of park-and-ride spaces.

**Proposed activities**

1. Review existing public and private parking space inventory data to ensure it is up-to-date (O1)
2. Count the number of spaces in lots for which there is not currently data (O1, O2)
3. As part of the Parking Plan process, coordinate with the consulting team to use the inventory for analyses of parking utilization (O3)

**Products**

1. Shapefile with parking space count data (A1, A2)
2. Spreadsheet with parking space count data (A1, A2)

**Relationship to other plans and MPO activities**

Carrboro Parking Plan, 2045 MTP

**Proposed budget and level of effort**

30 percent of work to be completed by Transportation Planner
70 percent of work to be completed by Transportation Planning Intern
Local staff hours: 15 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-A-11 - Central Area Parking Inventory | $66 | $266 | $332 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## II-A-13. Bicycle and Pedestrian Counts

Town staff plan to purchase two (2) pedestrian and bicycle counters to be installed along multi-use paths.

**Objectives**

O1 – Collect continuous, reliable pedestrian and bicycle volume data that can be averaged over time and disaggregated for independent variables such as month, time, and weather

**Previous work**

The Town has collected bicycle and pedestrian traffic data from a number of planning processes, including the 2009 Comprehensive Bicycle Transportation Plan and two Mobility Report Cards. In recent years, traffic impact analyses, the CMP, a UNC Dept. of City and Regional Planning project, and in-house Town counts at the Greensboro St.-Main St. intersection have yielded additional data.

**Proposed activities**

1. Purchase two (2) pedestrian and bicycle counters (O1)

**Products**

1. Pedestrian and bicycle counters (A1)

**Relationship to other plans and MPO activities**

CMP, MTP Bicycle and Pedestrian chapter, NCDOT / ITRE bike-ped count study (non-MPO)

**Proposed budget and level of effort**

No staff time is proposed. Budget applies to purchase of counters. Counters estimated to cost $3,000 each, and should reduce CMP costs for manually collecting data on these paths.

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-A-13 - Bicycle and Pedestrian Counts | $1,200 | $4,800 | $6,000 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## II-B-1. Collection of Base Year Data

Town staff will review 2013 residential and employment data for the 2045 MTP.

**Objectives**

O1 – Ensure accurate base year residential and employment data

**Previous work**

The MPO developed control totals for the 2040 MTP. CommunityViz was used to assign existing place types and development statuses.

**Proposed activities**

1. Review control totals, residential and employment data, and CommunityViz shapefiles for accuracy (O1)
2. Participate in meetings to discuss collection of base year data (O1)

**Products**

1. Review comments and edited data/shapefiles as needed (A1)

**Relationship to other plans and MPO activities**

2045 MTP

**Proposed budget and level of effort**

40 percent of work to be completed by Transportation Planner
15 percent of work to be completed by Planning Administrator
15 percent of work to be completed by Planning Director
30 percent of work to be completed by Transportation Planning Intern
Local staff hours: 70 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-B-1 - Collection of Base Year Data | $480 | $1,921 | $2,401 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## II-B-5. Forecast of Data to Horizon Year

Town staff will work with MPO staff and staff from other MPO member jurisdictions to use CommunityViz to project data to 2045 and review land use and transportation projections.

**Objectives**

O1 – Ensure control totals for forecasts are accurate to the greatest possible extent
O2 – Improve upon the CommunityViz scenario process from the 2040 MTP

**Previous work**

For the 2040 MTP, the Town contributed data and review comments for countywide growth control totals and the CommunityViz allocation of growth estimates within Orange County.

**Proposed activities**

1. Review control totals and offer comments (O1)
2. Edit CommunityViz place type and development status layers to project future scenarios, such as maximum buildout possible given current land use plans and zoning (O2)
3. Participate in meetings to discuss projections of future data (O1, O2)

**Products**

1. Review comments (A1)
2. Edited and quality-checked CommunityViz layers (A2)

**Relationship to other plans and MPO activities**

2045 MTP

**Proposed budget and level of effort**

40 percent of work to be completed by Transportation Planner
15 percent of work to be completed by Planning Administrator
15 percent of work to be completed by Planning Director
30 percent of work to be completed by Transportation Planning Intern
Local staff hours: 70 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-B-5 - Forecast of Data to Horizon Year | $480 | $1,921 | $2,401 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## II-B-6. Community Goals and Objectives

The Town will begin the process of facilitating elected official and local input for the Community Goals and Objectives section of the 2045 MTP. General input on community transportation priorities may also be sought under this task listing.

**Objectives**

O1 – Begin tasks to prepare for local Goals and Objectives review for 2045 MTP
O2 – Seek community input on transportation priorities, goals, and objectives
O3 – Connect Goals and Objectives to the Parking Plan

**Previous work**

Town staff reviewed Goals and Objectives for the 2040 MTP as part of TCC consideration.

**Proposed activities**

1. Hold public input event on transportation goals, objectives, and priorities (O1-O3)
2. Research how to improve collecting community feedback on transportation priorities (O2)
3. Give presentations to the Carrboro Board of Aldermen and Transportation Advisory Board (O1, O2)

**Products**

1. Public input event (A1)
2. Research and recommendations on community feedback (A2)
3. Board of Aldermen presentation (A3)

**Relationship to other plans and MPO activities**

2045 MTP, Public Involvement Policy, Parking Plan

**Proposed budget and level of effort**

All work to be completed by the Transportation Planner
Local staff hours: 10 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-B-6 - Community Goals & Objectives | $73 | $290 | $363 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## II-B-17. Congestion Management Strategies

The MPO is maintaining a Congestion Management Process (CMP) to address congestion within the metropolitan area boundary. The Town will contribute planning resources to this process as well as continue analysis of downtown Carrboro congestion.

**Objectives**

O1 – Contribute to the ongoing development of the CMP
O2 – Continue research and analysis on downtown Carrboro traffic level of service (LOS)

**Previous work**

The CMP is required by federal law and incorporated into the MTP and TIP processes. Several reports have been given to the Carrboro Board of Aldermen on downtown traffic level of service. A Synchro model of downtown Carrboro traffic has been developed.

**Proposed activities**

1. Contribute to the ongoing development of the CMP (O1)
2. Continue to refine Synchro model of downtown traffic and research ways of reducing traffic congestion (O2)
3. Make presentations to the Carrboro Board of Aldermen and Transportation Advisory Board (O1, O2)

**Products**

1. Local traffic data for the CMP, as needed (A1)
2. Research and analysis on downtown traffic level of service (A2, A3)

**Relationship to other plans and MPO activities**

As noted above, the CMP informs the MTP and TIP processes; Parking Plan

**Proposed budget and level of effort**

All work to be completed by Transportation Planner
Local staff hours: 15 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-B-17 - Congestion Management Strategies | $109 | $436 | $545 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## II-C-1. Short Range Transit Planning

The Town will participate in short-range transit planning for the Carrboro-Chapel Hill area. Through the Transit Partners Committee, the Town will provide input on Chapel Hill Transit planning initiatives. The Town will collaborate with Triangle Transit where necessary and with the Town of Chapel Hill in coordinating the annual Transit Forum. The Town will coordinate with Orange County, Triangle Transit, and the MPO on the implementation of the Bus and Rail Investment Plan for Orange County.

**Objectives**

O1 – Ensure that Carrboro plays a key role in Chapel Hill Transit planning, capital investment, and operations

O2 – Continue to work with Chapel Hill Transit on new initiatives, short range planning, public involvement, and troubleshooting

O3 – Assist as needed in implementation of the Bus and Rail Investment Plan for Orange County, coordinating with Orange County, Triangle Transit, and the MPO

O4 – Continue to coordinate with Triangle Transit in extending regional bus service to downtown Carrboro

**Previous work**

Town of Carrboro elected officials, advisory board members, and staff regularly attend Chapel Hill Transit Partners Committee meetings. The Board of Aldermen endorsed the draft Bus and Rail Investment Plan for Orange County in May 2011. The Town has provided input into initiatives such as the Comprehensive Operations Analysis, Eubanks Road Park-and-Ride Feasibility Study, and others. The Town has studied the feasibility and walk/bike/drive markets for a Triangle Transit bus stop at various locations in Carrboro and provided a report and other information to CHT and TT on improving walking access to bus stops in Carrboro.

**Proposed activities**

1. Continue to participate in Transit Partners Committee meetings (O1, O2)
2. Communicate with Orange County, Triangle Transit, and the MPO, as needed, on the implementation of the Bus and Rail Investment Plan in Orange County (O3)
3. Coordinate with OCBRIP Staff Working Group on service improvements and capital projects as part of the Bus and Rail Investment Plan, including providing information on transit access and service priorities (O3)
4. Communicate with Triangle Transit on regional service extension (O4)
5. Coordinate with Chapel Hill Transit and Town of Chapel Hill staff to hold an annual transit forum (O2)

**Products**

1. Meeting attendance (A1)
2. Capital projects information (A3)
3. Transit forum (A5)
4. Additional transit information as needed (all)

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

**Relationship to other plans and MPO activities**

The Bus and Rail Investment Plan and its associated Interlocal Implementation Agreement were approved by Orange County, the MPO, and Triangle Transit. The adopted 2040 MTP Transit element includes the recommendations of the BRI Plan.

**Proposed budget and level of effort**

All work to be completed by Transportation Planner.
Local staff hours: 45 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| II-C-1 - Short Range Transit Planning | $327 | $1,307 | $1,634 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## III-A-1. Planning Work Program

The Town will administer the FY 2014-2015 UPWP and prepare and process amendments as needed. Working with MPO staff, Town staff will identify transportation planning emphasis areas for the subsequent fiscal year and prepare the FY 2015-2016 UPWP. Town staff will participate in UPWP oversight meetings with MPO staff and staff from other MPO member jurisdictions.

**Objectives**

O1 – Track and report on Carrboro's 2014-2015 UPWP activities
O2 – Process amendments to the UPWP if necessary
O3 – Submit Carrboro's portion of the 2015-2016 UPWP to the MPO
O4 – Participate in oversight of the UPWP process

**Previous work**

Town staff have prepared UPWPs each year and tracked the completion of UPWP tasks with quarterly progress reports. Progress reports have made clear how much funding remains for tasks in the fiscal year, guiding whether or not amendments are necessary. Town staff have also participated in LPA oversight meetings.

**Proposed activities**

1. Complete quarterly reports for the 2014-2015 UPWP (O1)
2. Complete amendment spreadsheets as needed (O2)
3. Prepare Carrboro's 2015-2016 UPWP documents and budget (O3)
4. Attend LPA oversight meetings and review documents (O4)

**Products**

1. Quarterly progress reports and invoices to the MPO on UPWP activities (A1)
2. Amendment spreadsheets as needed (A2)
3. Carrboro's 2014-2015 UPWP activities narrative and budget (A3)

**Relationship to other plans and MPO activities**

Required by federal law, the UPWP is the mechanism for regional transportation planning and coordination in the MPO. It allocates a portion of STP-DA and transit funding received by the MPO for planning activities.

**Proposed budget and level of effort**

All work to be completed by Transportation Planner and Planning Director.
Local staff hours: 45 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-A-1 - Planning Work Program | $327 | $1,307 | $1,634 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## III-B-1. Transportation Improvement Program

Town staff will continue to implement planning and design of TIP projects. Town staff will also continue review of the SPOT 3.0 prioritization process for the FY 16-22 TIP.

**Objectives**

O1 – Facilitate timely progress on TIP projects, processing amendments when necessary
O2 – Continue to participate in review and coordination regarding the SPOT 3.0 prioritization process for the FY 16-22 TIP

**Previous work**

The Wilson Park Multi-use Path (U-4726-DF) is a recently-completed TIP project. Projects currently underway include Morgan Creek Greenway Phases 1 and 2 (EL-4828), Homestead-Chapel Hill High School Multi-use Path (U-4726-DE), the Rogers Road Sidewalk (U-4726-DD), and Bicycle Loop Detectors (U-4726-DF). All of these projects should be under construction or nearing construction beginning when the 2014-15 fiscal year begins on July 1.

**Proposed activities**

1. Begin preliminary engineering work for the South Greensboro Street sidewalk project (O1)
2. Review SPOT 3.0 prioritization scores and the draft STIP (O2)
3. Facilitate TAC member one-on-one meetings on the draft STIP (O2)

**Products**

1. Plans for the South Greensboro Street sidewalk project (A1)
2. Review comments on the draft STIP (A2, A3)

**Relationship to other plans and MPO activities**

2016-2022 TIP, 2040 MTP, STP-DA table, Orange County Bus and Rail Investment Plan

**Proposed budget and level of effort**

All work to be completed by the Transportation Planner
Local staff hours: 60 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-B-1 - Transportation Improvement Program | $436 | $1,743 | $2,179 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## III-C-4. Planning for the Elderly and Disabled

The Town will research Americans with Disabilities Act standards and guidelines to inform planning efforts.

**Objectives**

O1 – Continue efforts to emphasize the planning, development, evaluation, and reevaluation of transportation facilities and services for the elderly and disabled.

**Previous work**

Throughout the year staff responds to disabled and elderly citizen concerns regarding the transportation system, primarily related to paratransit and accessibility of infrastructure. Development plans are reviewed for compliance with ADA standards.

**Proposed activities**

1. Review draft Public Rights-of-Way Guidelines from the U.S. Access Board for implications for Carrboro transportation projects (O1)

**Products**

N/A

**Relationship to other plans and MPO activities**

Recognition of ADA-related needs in urban transportation is required by FHWA and FTA regulations.

**Proposed budget and level of effort**

All work to be completed by Transportation Planner.
Local staff hours: 10 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-C-4 - Planning for the Elderly and Disabled | $73 | $290 | $363 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## III-C-6. Public Involvement

The Town will continue to provide for an open exchange of information and ideas between the public and transportation decision-makers. The Town will work to increase public participation in transportation planning issues at the local and regional (MPO) levels and assist as needed in ensuring accordance with the Public Involvement Policy.

**Objectives**

O1 – Provide opportunities for the public to contribute to the planning of local and regional transportation facilities.
O2 – Review and assist as needed with the Public Involvement Policy.

**Previous work**

The Town has held citizens' informational workshops on many of its TIP projects under development the last few years. The Town coordinates with the MPO on public involvement for the MTP and TIP and with Chapel Hill Transit on an annual transit forum.

**Proposed activities**

1. Public involvement activities as needed (O1, O2)

**Products**

1. Summaries from public input workshops

**Relationship to other plans and MPO activities**

Public Involvement Policy, MTP

**Proposed budget and level of effort**

50 percent of work to be completed by Transportation Planner
15 percent of work to be completed by Planning Administrator
15 percent of work to be completed by Planning Director
25 percent of work to be completed by Transportation Planning Intern
Local staff hours: 40 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-C-6 - Public Involvement | $276 | $1,106 | $1,382 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## III-D-3. Special Studies

The Town will develop a Parking Plan, which will include robust data collection on parking utilization, access, and opinions; analysis of parking policies; projection of future supply and demand; and recommendations for strategies and investments to contribute to sound management of public and private parking. This will provide useful data for both the Town and MPO.

**Objectives**

O1 – Complete a comprehensive Parking Plan

**Previous work**

In the past several years, the Town has engaged in transportation-related studies such as the Comprehensive Bicycle Master Plan, the Bolin and Morgan Creek Greenway Conceptual Master Plans, the Safe Routes to School Action Plan, and the Oak-Poplar Neighborhood Traffic Circulation Study and West Main Street Road Diet Study. UNC Dept. of City and Regional Planning graduate student workshops on parking in Carrboro were conducted in 2013 and 2008.

**Proposed activities**

1. Public and stakeholder participation
2. Data collection
3. Data analysis
4. Mapping
5. Policy analysis
6. Presentations to elected and appointed officials and stakeholder organizations
7. Preparation of a parking plan document
8. Development of a parking demand model for downtown Carrboro

**Products**

1. Parking plan
2. Parking model
3. Data for use by MPO

**Relationship to other plans and MPO activities**

2045 MTP, CMP

**Proposed budget and level of effort**

Majority of work to be completed by a consultant selected through an RFP process

40 percent of work to be completed by Transportation Planner
15 percent of work to be completed by Planning Administrator
15 percent of work to be completed by Planning Director
45 percent of work to be completed by Transportation Planning Intern
Local staff hours: 80 hours

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-D-3 - Special Studies | $30,510 | $122,041 | $152,551 |

# TOWN OF CARRBORO
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## III-E-1. Management and Operations

Administrative tasks necessary to maintaining the 3C planning process will be completed.

**Objectives**

O1 – Participate and contribute to MPO-related meetings.
O2 – Adhere to the goals and tasks laid out in the Unified Planning Work Program.
O3 – Ensure that elected officials have adequate information to make informed decisions on local and regional transportation issues.
O4 – Ensure the local transportation advisory board has the information it needs to develop sound recommendations on local and regional transportation issues.
O5 – Improve staff efficiency and knowledge through training sessions and educational materials.

**Previous work**

Similar to proposed activities described below

**Proposed activities**

1. Attend and participate in TAC and TCC meetings (O1)
2. Staff development through professional training courses, seminars, and conferences (O5)
3. Facilitate local Transportation Advisory Board meetings by creating agendas, minutes, and staff reports (O4)
4. Prepare materials and present to the local elected officials related to local and regional transportation planning topics (O3, O4)
5. Attend and participate in MPO subcommittee meetings (O1)

**Products**

1. Staff reports for Board of Aldermen and advisory board meetings

**Relationship to other plans and MPO activities**

See objectives and proposed activities.

**Proposed budget and level of effort**

75 percent of work to be completed by Transportation Planner
10 percent of work to be completed by Planning Administrator
10 percent of work to be completed by Planning Director
5 percent of work to be completed by Transportation Planning Intern
Local staff hours: 260 hours

| Task Code-Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-E-1 - Management and Operations | $1,967 | $7,869 | $9,836 |

# TJCOG

- Funding Table
- Task Description and Narrative

Triangle J COG

# Durham-Chapel Hill-Carrboro Urban Area
## FY 2014-2015 Unified Planning Work Program
## Proposed Funding Source Tables

TJCOG
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| | Task Description | STP-DA 133(b)(3)(7) | | Sec. 104(f) PL | | Section 5303 Highway/Transit | | | Section 5307 Transit | | | Section 5309 Transit | | | Task Funding Summary | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Local 20% | FHWA 80% | Local 20% | FHWA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 25% | NCDOT 25% | FTA 50% | Local | NCDOT | Federal | Total |
| II A | **Surveillance of Change** | 0 | 0 | | | | | | | | | | | | | | | |
| II A 1 | Traffic Volume Counts | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 2 | Vehicle Miles of Travel | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 3 | Street System Changes | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 4 | Traffic Accidents | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 5 | Transit System Data | 0 | 0 | | | | | | 0 | 0 | | | | | - | - | - | - |
| 6 | Dwelling Unit, Pop. & Emp. Change | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 7 | Air Travel | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 8 | Vehicle Occupancy Rates | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 9 | Travel Time Studies | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 10 | Mapping | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 11 | Central Area Parking Inventory | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 12 | Bike & Ped. Facilities Inventory | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 13 | Bike & Ped. Counts | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| II B | **Long Range Transp. Plan** | | | | | | | | | | | | | | | | | |
| B 1 | Collection of Base Year Data | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 2 | Collection of Network Data | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 3 | Travel Model Updates | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 4 | Travel Surveys | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 5 | Forecast of Data to Horizon year | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 6 | Community Goals & Objectives | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 7 | Forecast of Futurel Travel Patterns | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 8 | Capacity Deficiency Analysis | 0 | 0 | | | | | | | | | | | | - | | - | |
| 9 | Highway Element of th LRTP | 0 | 0 | | | | | | | | | | | | - | | - | |
| 10 | Transit Element of the LRTP | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 11 | Bicycle & Ped. Element of the LRTP | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 12 | Airport/Air Travel Element of LRTP | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 13 | Collector Street Element of LRTP | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| 14 | Rail, Water or other mode of LRTP | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 15 | Freight Movement/Mobility Planning | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 16 | Financial Planning | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 17 | Congestion Management Strategies | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 18 | Air Qual. Planning/Conformity Anal. | 0 | 0 | 0 | 0 | | | | | | | | | | - | - | - | - |
| II C | **Short Range Transit Planning** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Short Range Transit Planning | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| III-A | **Planning Work Program** | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| III-B | **Transp. Improvement Plan** | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| III-C | **Cvl Rgts. Cmp./Otr .Reg. Reqs.** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Title VI | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 2 | Environmental Justice | 0 | 0 | | | | | | | | | | | | | | | |
| 3 | Minority Business Enterprise | 0 | 0 | | | | | | | | | | | | | | | |
| 4 | Planning for the Elderly & Disabled | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 5 | Safety/Drug Control Planning | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 6 | Public Involvement | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 7 | Private Sector Participation | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| III-D | **Incidental Plng./Project Dev.** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Transportation Enhancement Plng. | 0 | 0 | | | | | | | | | | | | - | - | - | - |

Triangle J COG

# Durham-Chapel Hill-Carrboro Urban Area
## FY 2014-2015 Unified Planning Work Program
### Proposed Funding Source Tables

TJCOG
3/4/2014 21:37

| | Task Description | STP-DA 133(b)(3)(7) | | Sec. 104(f) PL | | Section 5303 Highway/Transit | | | Section 5307 Transit | | | Section 5309 Transit | | | Task Funding Summary | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Local 20% | FHWA 80% | Local 20% | FHWA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 25% | NCDOT 25% | FTA 50% | Local | NCDOT | Federal | Total |
| 2 | Enviro. Analysis & Pre-TIP Plng. | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| 3 | Special Studies | 0 | 0 | 0 | 0 | | | | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 4 | Regional or Statewide Planning | 13,750 | 55,000 | | | | | | | | | | | | - | 13,750 | 55,000 | 68,750 |
| | | | | | | | | | | | | | | | | | | |
| III- E | **Management & Operations** | | | | | | | | | | | | | | | | | |
| 1 | Management & Operations | 0 | 0 | | | | | | | | | | | | - | - | - | - |
| Totals | | $13,750 | $55,000 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $0 | $13,750 | $55,000 | $68,750 |

# TRIANGLE J COUNCIL OF GOVERNMENT
# TASK DESCRIPTIONS & NARRATIVES
# FY 2014-2015 UPWP

## III-D-4. Regional or Statewide Planning.

Facilitate and/or manage joint activities and undertake analysis work in land use, transportation and air quality planning that involve multiple MPO, RPO, local government, transit agency, state and federal agency and private sector partners.

**Objectives**

To ensure that activities that have a scope or scale that transcend any single MPO are done in a coordinated, timely, effective and cost-efficient way.

**Previous work**

CommunityViz support, evaluation and documentation; Joint 2040 MTP facilitation and technical work; ozone standards and non-attainment education and technical assistance; MTP and TIP conformity coordination, LUCID land use – transit forum and technical work, TRM executive committee support, Transit fiscal constraint spreadsheet.

**Proposed activities**

Major activities include TRM executive committee support, CommunityVIZ 2.0 planning and implementation, land use-transit investment integration, transportation-air quality integration, Triangle Main Line Forum activities, SPOT 3.0 and NCDOT Statewide Plan follow-up activities.

**Products**

- Triangle Regional Model Executive Committee meeting summaries
- CommunityVIZ-related products, focusing on version 2.0 improvements
- LUCID forum meetings and reports
- 2040 MTP air quality conformity amendments, as needed
- SIP motor vehicle emissions budgets activities and AQ technical support

**Relationship to other plans and MPO activities**

This work is most closely tied to the DCHC 2040 MTP implementation process and planning for CommunityViz 2.0, version 6 of the Triangle Regional Model and early steps in the development of the 2045 MTP. Work enables the DCHC MPO to participate in air quality budget establishment, non-attainment boundary designation, land use-transit integration, and further analysis of regional transportation investments.

**Proposed budget and level of effort**

Budget largely supports staff work by Planning Director, Senior Planner, Planner II, and GIS Analyst, with some direct costs associated with travel and meeting expenses, and allocated indirect.

| Task Code - Title | Local 20% | FHWA 80% | Total |
|---|---|---|---|
| III-D-4 – Regional or Statewide Planning | $13,750 | $55,000 | $68,750 |

**Funding Commitments from other Entities:**

20% local match to be provided by TJCOG; other funding anticipated from CAMPO and Triangle Transit as in previous years.

# Appendices B

# Federal Transit Administration (FTA) Agency Funding Tables & DBE forms

# Durham Area Transit Authority (DATA)

- Funding Table
- Task Description and Narrative
- 5307 & 5303 FTA Task Narrative
- FTA Check Lists
- DBE Form

Durham Area Transit Authority
DATA

# Durham-Chapel Hill-Carrboro Urban Area
## FY 2014-2015 Unified Planning Work Program
## Proposed Funding Source Tables - FTA Transit Funds

Durham
3/4/2014 21:43

| | Task Description | STP-DA 133(b)(3)(7) | | Sec. 104(f) PL | | Section 5303 Highway/Transit | | | Section 5307 Transit | | | Section 5309 Transit | | | Task Funding Summary | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Local 20% | FHWA 80% | Local 20% | FHWA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 25% | NCDOT 25% | FTA 50% | Local | NCDOT | Federal | Total |
| II A | **Surveillance of Change** | | | | | | | | | | | | | | | | | |
| II A 1 | Traffic Volume Counts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Vehicle Miles of Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Street System Changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Traffic Accidents | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Transit System Data | 0 | 0 | 0 | 0 | 7,933 | 7,933 | 63,463 | 5,278 | 5,278 | 42,227 | | | | 13,211 | 13,211 | 105,690 | 132,112 |
| 6 | Dwelling Unit, Pop. & Emp. Change | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 7 | Air Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 8 | Vehicle Occupancy Rates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 9 | Travel Time Studies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 10 | Mapping | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 11 | Central Area Parking Inventory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 12 | Bike & Ped. Facilities Inventory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 13 | Bike & Ped. Counts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| II B | **Long Range Transp. Plan** | | | | | | | | | | | | | | | | | |
| B 1 | Collection of Base Year Data | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Collection of Network Data | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Travel Model Updates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Travel Surveys | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Forecast of Data to Horizon year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 6 | Community Goals & Objectives | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 7 | Forecast of Future! Travel Patterns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 8 | Capacity Deficiency Analysis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 9 | Highway Element of th LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 10 | Transit Element of the LRTP | 0 | 0 | 0 | 0 | 326 | 326 | 2,610 | 483 | 483 | 3,862 | | | | 809 | 809 | 6,472 | 8,090 |
| 11 | Bicycle & Ped. Element of the LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 12 | Airport/Air Travel Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 13 | Collector Street Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 14 | Rail, Water or other mode of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 15 | Freight Movement/Mobility Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 16 | Financial Planning | 0 | 0 | 0 | 0 | 326 | 326 | 2,610 | 10,271 | 10,271 | 82,169 | | | | 10,597 | 10,597 | 84,779 | 105,974 |
| 17 | Congestion Management Strategies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 18 | Air Qual. Planning/Conformity Anal. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| II C | **Short Range Transit Planning** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Short Range Transit Planning | 0 | 0 | 0 | 0 | 2,610 | 2,610 | 20,878 | 10,058 | 10,058 | 80,462 | | | | 12,668 | 12,668 | 101,341 | 126,676 |
| III-A | **Planning Work Program** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| III-B | **Transp. Improvement Plan** | 0 | 0 | 0 | 0 | 652 | 652 | 5,219 | 969 | 969 | 7,751 | | | | 1,621 | 1,621 | 12,970 | 16,213 |
| III-C | **Cvl Rgts. Cmp./Otr .Reg. Reqs.** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Title VI | 0 | 0 | 0 | 0 | 326 | 326 | 2,610 | 350 | 350 | 2,803 | | | | 677 | 677 | 5,413 | 6,766 |
| 2 | Environmental Justice | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Minority Business Enterprise | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Planning for the Elderly & Disabled | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Safety/Drug Control Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 6 | Public Involvement | 0 | 0 | 0 | 0 | 326 | 326 | 2,610 | 937 | 937 | 7,494 | | | | 1,263 | 1,263 | 10,104 | 12,630 |
| 7 | Private Sector Participation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| III-D | **Incidental Plng./Project Dev.** | | | | | | | | | | | | | | - | - | - | - |
| 1 | Transportation Enhancement Plng. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Enviro. Analysis & Pre-TIP Plng. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Special Studies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Regional or Statewide Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | - | - | - | - |
| III- E | **Management & Operations** | | | | | | | | | | | | | | | | | |
| 1 | Management & Operations | 0 | 0 | 0 | 0 | 6,696 | 6,696 | 53,565 | 2,288 | 2,288 | 18,305 | 0 | 0 | 0 | 8,984 | 8,984 | 71,870 | 89,837 |
| Totals | | $0 | $0 | $0 | $0 | $19,195 | $19,195 | $153,563 | $30,634 | $30,634 | $245,075 | $0 | $0 | $0 | $49,830 | $49,830 | $398,638 | $498,298 |



FINAL DOCUMENT

# DURHAM AREA TRANSIT
# FTA TASK NARRATIVE TABLE
# FY2014-2015 (FY15) UPWP

| | | | | | | |
|---|---|---|---|---|---|---|
| 1- | MPO | DCHC-MPO (DATA) | DCHC-MPO (DATA) | DCHC-MPO (DATA) | DCHC-MPO (DATA) | DCHC-MPO (DATA) |
| 2- | FTA Code | 442400 | 442400 | 442300 | 442400 | 442500 |
| 3- | Task Code | *II-A-5* | *II-B-10* | *II-B-16* | *II-C1* | *III-B-1* |
| 4- | Title of Planning Task | ***Transit System Data*** | ***Transit Element of the LRTP*** | ***Financial Planning*** | ***Short Range Transit Planning*** | ***Transportation Improvement Program (TIP)*** |
| 5- | Task Objective | To compile and analyze FTA and NCDOT required service information including fixed route and paratransit system routes, ridership and related reports. Conduct system-wide surveys, provide on-going montoring of operations. Provide oversight of passenger amenities and related technologies, Compile daily, weekly and monthly ridership data and reports for all agencies. Provide ongoing support to MPO in long range transit, UPWP and TIP development. Key objectives include: integrating APC data in to the transit GIS, improving the geodatabase of transit routes and stops and updating the inventory of transit stops and amenities. | To proivde on-going support to the MPO's effort toward annual updates of the DCHC -MPO s Long Range Transportation Plan. The support would be in the form of transit data compilation, including service area maps, schedules and patron information as a component of the socio economic data needed for the regular update of the LRTP. A key objective is updating the transit element of the Coordinated Transportation Plan. | To prepare and Monitor the City's Fiscal programs including FTA and NCDOT grants. Apply for and administer grants in TEAM and also in City's Munis system. Monitor and ensure complete compliance with all financial procedures. Track all contracts with third party providers ensuring prompt payment and compliance of all purhcases with state, federal and local laws. | To provide systen-wide planning oversight of both the fixed route and paratransit services including the monitoring of AVL project, Zonar (pre-trip inspection device) Automatic Passenger counters (APC) On-board camera and video systems and GFI farebox input and output. Also, this task would include the conduct of FTA mandated NTD survey for fixed route system. Key objectives include: integrating APC data in to the transit GIS, summarizing and tabulating gathered AVL data,and updating the inventory of transit stops and amenities. | To continue the program of developing transit plans for imporving transit serviceas well as local area transportation as a whole. This would be achieved by identifying area of the City needing transit service and also improving upon the current level of service provided through on-going surveys. A key objective is updating the transit element of the Coordinated Transportation Plan. |
| 6- | Tangible Product Expected | Monthly and annual statistical reports, OPStATS reports, Annual Budget summaries, Monthly operational reports, Council reports, Passenger amenities , short, and long term transit plans, | Transit Maps, GIS Overlays, Powerpoint Displays, Socioeconomic data compilation and analysis associated with daily monthly and annual transit patronage and service delivery | Grants, budget documents, Purchase orders, Bid documents Ledgers, Fund balances and maintenance of asset and related inventory. | Weekly , Monthly, and annual system-wide ridership monitoring reports, APC and AVL reports, NTD survey outcome | Maps of service changes, Public input process and outcomes, Public hearings, City Council reports, service implementation plans and related processes. |
| 7- | Expected Completion Date of Product(s) | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 |
| 8- | Previous Work | These activities are on-going and were completed in previous years as part of 5303 and 5307 funded task element | 2014 Planning Work Program | Same as above. This is also an ongoing task element conducted by the fiscal program accountant. | On-going | On-going on an annual basis. |
| 9- | Prior FTA Funds | $81,488 | $3,783 | $80,502 | $78,830 | $7,594 |
| 10- | Relationship To Other Activities | Related to task III-E | This program is intended to support various MPO planning efforts related on the LRTP updates | Related to task III-E | Data retrieved would be used to disserminate service delivery and patronage information to transit management, City Council, FTA, NCDOT | These activities outlined also the MPO;s overall FY15 Unified Work Program. |
| 11- | Agency Responsible for Task Completion | Durham Area Transit | | Durham Area Transit | Durham Area Transit and Triagle Transit | Durham Area Transit and Triangle Transit |
| 12- | HPR - Highway - NCDOT 20% | | | | | |
| 13- | HPR - Highway - FHWA 80% | | | | | |
| 14- | Section 104 (f) PL Local 20% | | | | | |
| 15- | Section 104 (f) PL FHWA 80% | | | | | |
| 16- | Section 5303 Local 10% | $7,933 | $326 | $326 | $2,610 | $652 |
| 17- | Section 5303 NCDOT 10% | $7,933 | $326 | $326 | $2,610 | $652 |
| 18- | Section 5303 FTA 80% | $63,462 | $2,610 | $2,610 | $20,878 | $5,219 |
| 19- | Section 5307 Transit - Local 10% | $5,278 | $483 | $10,271 | $10,058 | $969 |
| 20- | Section 5307 Transit - NCDOT 10% | $5,278 | $483 | $10,271 | $10,058 | $969 |
| 21- | Section 5307 Transit - FTA 80% | $42,227 | $3,862 | $82,168 | $80,462 | $7,751 |

# DURHAM AREA TRANSIT
# FTA TASK NARRATIVE TABLE
# FY2014-2015 (FY15) UPWP

| | | | | | |
|---|---|---|---|---|---|
| 1- | MPO | **DCHC-MPO (DATA)** | **DCHC-MPO (DATA)** | **DCHC-MPO (DATA)** | |
| 2- | FTA Code | 442100 | 442199 | 442100 | |
| 3- | Task Code | *III-C-1* | *III-C-6* | *III-E* | |
| 4- | Title of Planning Task | ***Title VI*** | ***Public Involvement*** | ***Management and Operations*** | *TOTALS* |
| 5- | Task Objective | To provide ongoing education, service monitoring and system analysis and data compilation related to service changes in line with anticipation of Title VI Civil Rights mandates. This review would be done related to the DBBS program for the fixed route service in consultation with the FTA in order to ensure that all service changes over and above 10% are done with Title VI mandates in mind to ensure equity and fairness in the delivery of current fixed route transit service. | To seek out untapped patrons of the transit service through the use of aggressive public involvement and sustained marketing of the system. Also to enagage the Public in all matters related to proposed service changes, to respond to the concerns of the public and to seek their input as it relates to all Ttle VI matters. | To provide overall transit system management and operations oversight of the fixed route and paratransit services, including service delivery, budgeting,service montoring and reporting, personnel, short and long range system planning and system development as well as capital improvements. A key objective is developing our asset management system, performance measures and targets.J5 | |
| 6- | Tangible Product Expected | Title VI doucment related to all service changes that require that we provide such analysis for review and approval by the FTA | Public meeting agenda, outcome and reports, Public hearing notices and summary reports, meetig attendance and related Council reports | Budget outlay, monthly and annual operational and ridership reports, service planning information, safety and traning reports, service marketing and outreach programs personnel matters | |
| 7- | Expected Completion Date of Product(s) | 6/30/2015 | 6/30/2015 | 6/30/2015 | |
| 8- | Previous Work | Same as above | On-going | Same as above | |
| 9- | Prior FTA Funds | $2,746 | $7,342 | $17,934 | $280,218 |
| 10- | Relationship To Other Activities | Related to task III-E | This effort relates to and supports the MPOs overall FY15 unified Work Program of enhancing transportation delivery in Durham | Related to task III-E | |
| 11- | Agency Responsible for Task Completion | Durham Area Transit and Traingle Transit | | Durham Area Transit | |
| 12- | HPR - Highway - NCDOT 20% | | | | |
| 13- | HPR - Highway - FHWA 80% | | | | |
| 14- | Section 104 (f) PL Local 20% | | | | |
| 15- | Section 104 (f) PL FHWA 80% | | | | |
| 16- | Section 5303 Local 10% | $326 | $326 | $6,696 | $19,195 |
| 17- | Section 5303 NCDOT 10% | $326 | $326 | $6,696 | $19,195 |
| 18- | Section 5303 FTA 80% | $2,610 | $2,610 | $53,565 | $153,563 |
| 19- | Section 5307 Transit - Local 10% | $350 | $937 | $2,288 | $30,634 |
| 20- | Section 5307 Transit - NCDOT 10% | $350 | $937 | $2,288 | $30,634 |
| 21- | Section 5307 Transit - FTA 80% | $2,803 | $7,494 | $18,305 | $245,073 |

# Durham Area Transit Authority

## Checklist for FTA UPWP Reviews (provide Description):

1. Planning activities should be programmed which support required actions emanating from a **minimum twenty-year horizon long range transportation plan** (the Plan) which **conforms to Environmental Protection Agency air quality standards**; any goals and objectives stated in the UPWP should be reflect goals and objectives stated in the Plan;

   Yes No

   Yes _____ _____

2. **Description of each discreet task** (in simple narrative sentence(s). Note that not only "new" actions, but also "carry-over" actions listed in previous programming documents must be described, for each UPWP should be independent and comprehensive; new actions should be clearly differentiated from carry-over action; tasks that may be within the MPO's charter, but will not be included in the current year planning should be excluded/deleted; the UPWP should not be constructed as a universal or perpetual document, but should be tailored each year;

   Yes No

   Yes _____ _____

3. **Amount of FTA planning funds** sought to support each planning action/task in the current FY; note that administrative costs including indirect overhead costs may be spread across tasks, and not listed as a separate task OR at the option of the author, an overhead rate applicable across the board to all activities may be indicated and the totals extended;

   Yes No

   Yes _____ _____

4. **FTA Program** (e.g. Section 5307 Urbanized Area Formula Program, Section 5303 Metropolitan Planning Program etc.) from which those funds will be drawn; when a specific task is proposed to be funded from more than one source, it is necessary to indicate FTA funding associated with each programmatic source;

   Yes No

   Yes _____ _____

5. **Cumulative amount of FTA** funds previously drawn to support each task during past fiscal years (ONLY for multi-year tasks which produce specific deliverables); note that amounts should be identified in terms of the year of federal allocation and year of expenditure;

   Yes No

   Yes _____ _____

6. **Product/Deliverable** that will be derived from the planning effort (e.g. study, model, UPWP, TIP, etc); deliverables should be actual tangible products rather than indications of progress or expended efforts;

   Yes No

   Yes _____ _____

7. **Schedule indicating progress for multi-year tasks,** including date when FTA can expect completion of the planning action/task; here, we seek a **completion date** rather than an expression of the duration of time expected for completion (e.g. "the study will be completed by April 30, 2006" rather than "the study will require six months to complete");

   Yes No

   Yes _____ _____

8. **Indication that FTA funds are being used efficiently** for the programmed tasks rather than being banked;

| Yes | No |
|---|---|
| Yes | |

9. **Planning should be accomplished within the environment of robust public involvement** in compliance with the MPO Public Participation Plan (conforming to SAFETEA-LU requirements) endorsed through the Planning Certification Review process;

| Yes | No |
|---|---|
| Yes | |

10. Specific reference should be made to **SAFETEA-LU** rather than obsolete reauthorization legislation such as ISTEA and/or TEA-21.

| Yes | No |
|---|---|
| Yes | |

*I have reviewed and certify that ALL the above items related to DATA are true and accurate as it relates to the DCHC MPO FY2014-15 UPWP.*

*Harmon Crutchfield, Certification Signature - Transit Administrator*

# CITY OF DURHAM
## Anticipated DBE Contracting Opportunities for FY15

**Name of MPO:** **CITY OF DURHAM (DATA)**

Person Completing Form: Pierre Owusu  Telephone Number: 919-560-5343 ext. 36214

| 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 |
|---|---|---|---|---|---|
| THERE ARE CURRENTLY NO PLANNED DBE CONTRACTING OPPORTUNITIES ASSOCIATED WITH THIS GRANT | | | | $0.00 | $0.00 |
| | | | | | |
| | | | | | |
| | | | | | |

**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.**

# Chapel Hill Transit (CHT)

- Funding Table
- Task Description and Narrative
- 5307 & 5309 FTA Task Narrative
- FTA Check Lists
- DBE Form

Chapel Hill Transit (CHT)

# Durham-Chapel Hill-Carrboro Urban Area
## FY 2014-2015 Unified Planning Work Program
## Proposed Funding Source Tables - FTA Transit Funds

Town of Chapel Hill
3/5/2014 9:26

| | Task Description | STP-DA 133(b)(3)(7) | | Sec. 104(f) PL | | Section 5303 Highway/Transit | | | Section 5307 Transit | | | Section 5309 Transit | | | Task Funding Summary | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Local 20% | FHWA 80% | Local 20% | FHWA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 25% | NCDOT 25% | FTA 50% | Local | NCDOT | Federal | Total |
| II A | Surveillance of Change | | | | | | | | | | | | | | | | | |
| II A 1 | Traffic Volume Counts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 2 | Vehicle Miles of Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 3 | Street System Changes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 4 | Traffic Accidents | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 5 | Transit System Data | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,609 | 1,609 | 12,875 | 0 | 0 | 0 | 1,609 | 1,609 | 12,875 | 16,094 |
| 6 | Dwelling Unit, Pop. & Emp. Change | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 7 | Air Travel | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 8 | Vehicle Occupancy Rates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 9 | Travel Time Studies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 10 | Mapping | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,376 | 1,376 | 11,007 | 0 | 0 | 0 | 1,376 | 1,376 | 11,007 | 13,759 |
| 11 | Central Area Parking Inventory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 12 | Bike & Ped. Facilities Inventory | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 13 | Bike & Ped. Counts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| II B | Long Range Transp. Plan | | | | | | | | | | | | | | | | | |
| B 1 | Collection of Base Year Data | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 2 | Collection of Network Data | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 3 | Travel Model Updates | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 4 | Travel Surveys | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 5 | Forecast of Data to Horizon year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 6 | Community Goals & Objectives | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 7 | Forecast of Futurel Travel Patterns | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 8 | Capacity Deficiency Analysis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 9 | Highway Element of th LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 10 | Transit Element of the LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 11 | Bicycle & Ped. Element of the LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 12 | Airport/Air Travel Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 13 | Collector Street Element of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 14 | Rail, Water or other mode of LRTP | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 15 | Freight Movement/Mobility Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 16 | Financial Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25,000 | 25,000 | 200,000 | 0 | 0 | 0 | 25,000 | 25,000 | 200,000 | 250,000 |
| 17 | Congestion Management Strategies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 18 | Air Qual. Planning/Conformity Anal. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| II C | Short Range Transit Planning | | | | | | | | | | | | | | | | | |
| 1 | Short Range Transit Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 624 | 624 | 4,996 | 0 | 0 | 0 | 624 | 624 | 4,996 | 6,245 |
| III-A | Planning Work Program | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 248 | 248 | 1,985 | 0 | 0 | 0 | 248 | 279 | 1,985 | 2,513 |
| III-B | Transp. Improvement Plan | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 248 | 248 | 1,985 | 0 | 0 | 0 | 248 | 279 | 1,985 | 2,513 |
| III-C | Cvl Rgts. Cmp./Otr .Reg. Reqs. | | | | | | | | | | | | | | | | | |
| 1 | Title VI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 2 | Environmental Justice | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 3 | Minority Business Enterprise | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 248 | 248 | 1,982 | 0 | 0 | 0 | 248 | 279 | 1,982 | 2,508 |
| 4 | Planning for the Elderly & Disabled | 0 | 0 | 0 | 0 | 0 | 112 | 0 | 893 | 893 | 7,147 | 0 | 0 | 0 | 893 | 1,005 | 7,147 | 9,045 |
| 5 | Safety/Drug Control Planning | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 250 | 250 | 2,004 | 0 | 0 | 0 | 250 | 282 | 2,004 | 2,536 |
| 6 | Public Involvement | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 200 | 200 | 1,601 | 0 | 0 | 0 | 200 | 225 | 1,601 | 2,027 |
| 7 | Private Sector Participation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| III-D | Incidental Plng./Project Dev. | | | | | | | | | | | | | | | | | |
| 1 | Transportation Enhancement Plng. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 2 | Enviro. Analysis & Pre-TIP Plng. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - | - | - | - |
| 3 | Special Studies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 26,250 | 26,250 | 210,000 | 26,250 | 26,250 | 210,000 | 262,500 |
| 4 | Regional or Statewide Planning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 900 | 900 | 7,200 | 0 | 0 | 0 | 900 | 900 | 7,200 | 9,000 |
| III- E | Management & Operations | | | | | | | | | | | | | | | | | |
| 1 | Management & Operations | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3,855 | 3,855 | 30,838 | 0 | 0 | 0 | 3,855 | 3,855 | 30,838 | 38,547 |
| Totals | | $0 | $0 | $0 | $0 | $0 | $261 | $0 | $35,453 | $35,453 | $283,621 | $26,250 | $26,250 | $210,000 | $61,703 | $61,964 | $493,621 | $617,288 |



FINAL DOCUMENT

# CHAPEL HILL TRANSIT
# FTA TASK NARRATIVE TABLE
# FY2014-2015 (FY15) UPWP

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1- | MPO | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) |
| 2- | FTA Code | *442400* | *442301* | *442302* | *442302* | *442302* | *442302* | *442100* | *442500* |
| 3- | Task Code | *II-A-5* | *II-A-10* | *II-B-5* | *II-B-16* | *II-B-17* | *II-C-1* | *III-A-1* | *III-B-1* |
| 4- | Title of Planning Task | *Transit System Data* | *Mapping* | *Forecast of Data to Horizon Year* | *Financial Planning* | *Congestion Management Strategies* | *Short Range Transit Planning* | *Planning Work Program* | *Transportation Improvement Program* |
| 5- | Task Objective | Review and analyze transit system data to monitor changes in travel behavior | Participate with MPO in further development of regional GIS database; prepare mapping to support local and regional activties | To prepare projections for 2045 housing, population and employment. | Prepare Financial Plan for 2040 LRTP. Development of a strategic plan, and financial plan identifying sustainable funding sources for services established in the strategic plan. | Coordinate wth Triangle Regional TDM program to implement regionwide TDM program. | Develop elements of Chapel Hill Transit Short Range Transit Plan. | To prepare the Chapel Hill element of the FY2015 UPWP | To monitor the adopted TIP and prepare information for amendments to TIP. |
| 6- | Tangible Product Expected | Chapel Hill Data Book Update | MPO Regional GIS database and CMS database. | Projections of socio economic data for use in the developmentof the 2045 MTP. | Refinement of the Orange County Transit Plan and development of the 2045 MTP Fiancial Plan element. | Preparation of DCHC MPO CMS and Development of TDM program for incorporation into 2045 LRTP | Refinements to the previously completed comprehensive route analysis and incorporation of recommendations of Strategic Financial Study. | FY2015 PWP | Updated TIP |
| 7- | Expected Completion Date of Product(s) | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | On-going |
| 8- | Previous Work | 2012 Data Book Updatae | Provided support for development of geo spatial database architecture. | Preparation of 2040 socio economic projections. | 2040 Financial Plan and CHT's Financial Sustainability Plan | TDM element of 2040 LRTP. | Development of comprehensive route analysis. | Development and management of FY13 & FY14 UPWP | Adjustments to existing TIP; Development of new TIP |
| 9- | Prior FTA Funds | $26,600 | $48,400 | $8,000 | $35,600 | $2,400 | $18,000 | $4,000 | $5,600 |
| 10- | Relationship To Other Activities | Supports implementation of LRTP | Supports developemnt of LRTP and related MPO activities | Supports development of the 2045 LRTP | Supports development of the 2045 LRTP | Supports development of the 2045 LRTP | Supports implementation of the MPO LRTP | Supports implemenation of annual work program | Supports implementaiton of adopted LRTP |
| 11- | Agency Responsible for Task Completion | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill |
| 12- | HPR - Highway - NCDOT 20% | | | | | | | | |
| 13- | HPR - Highway - FHWA 80% | | | | | | | | |
| 14- | Section 104 (f) PL Local 20% | | $6,055 | $4,547 | | $3,470 | | $305 | $305 |
| 15- | Section 104 (f) PL FHWA 80% | | $24,218 | $18,186 | | $13,880 | | $1,220 | $1,220 |
| 16- | Section 5303 Local 10% | | $4,224 | $3,332 | $214 | $153 | $817 | | |
| 17- | Section 5303 NCDOT 10% | | $4,224 | $3,330 | $212 | $151 | $815 | | |
| 18- | Section 5303 FTA 80% | | $33,792 | $26,651 | $1,708 | $1,220 | $6,530 | | |
| 19- | Section 5307 Transit - Local 10% | $1,563 | $1,375 | | $25,000 | | $625 | $250 | $250 |
| 20- | Section 5307 Transit - NCDOT 10% | $1,561 | $1,375 | | $25,000 | | $625 | $250 | $250 |
| 21- | Section 5307 Transit - FTA 80% | $13,750 | $11,000 | | $200,000 | | $5,000 | $2,000 | $2,000 |
| 22- | Section 5309 Transit - Local 10% | | | | | | | | |
| 23- | Section 5309 Transit - NCDOT 10% | | | | | | | | |
| 24- | Section 5309 Transit - FTA 80% | | | | | | | | |

# CHAPEL HILL TRANSIT
# FTA TASK NARRATIVE TABLE
# FY2014-2015 (FY15) UPWP

| 1- | MPO | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | DCHC-MPO (Chapel Hill Transit) | |
|---|---|---|---|---|---|---|---|---|---|
| 2- | FTA Code | *442700* | *442400* | *442400* | *442400* | *442700* | *442200* | *442100* | |
| 3- | Task Code | *III-C-3* | *III-C-4* | *III-C-5* | *III-C-6* | *III-D-3* | *III-D-4* | *III-E* | |
| 4- | Title of Planning Task | *Minority Business Enterprise* | *Planning for the Elderly and Disabled* | *Safety/Drug Control Planning* | *Public Involvement* | *Special Studies* | *Regional or Statewide Planning* | *Management and Operations* | *TOTALS* |
| 5- | Task Objective | To assess compliance with minority business enterprise regulations | To assess impact of transit service on elderly and handicapped populations | To implement and monitor federal safety and drug control plannning | To establish public outreach efforts to engage public involvement. | To prepare special studies to support ongoing transit operations. To prepare an Alternatives Analysis for CHT. | To support regional and statewide planning projects | To support various transit planning activities | |
| 6- | Tangible Product Expected | Annual assessment | Annual assessment | Annual Assessments | Annual transit forums | Preparation of Chapel Hill Pedestrian Plan and participation in NCDOT US 15-501/Fordham Blvd. Feasability Study and US 15-501 South Corridor Study. | Coordination with Triangle Transit on implemenation of Durham to Chapel Hill LRT. | Ongoing transit activities and reporting requirements. | |
| 7- | Expected Completion Date of Product(s) | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | 6/30/2015 | |
| 8- | Previous Work | Annual assessment | Ongoing monitoring | Ongoing monitoring | Annual transit forums | Chapel Hill Long Range Transit Plan | | Management of transit planning activities | |
| 9- | Prior FTA Funds | $4,000 | $8,000 | $32,000 | $4,000 | $0 | $50,800 | $115,160 | |
| 10- | Relationship To Other Activities | State/Federal MBE requirements | This project supports the development of the 2045 Regional Plan | | This project supports the developmnet of the 2045 Regional plan | This project supports the developmnet of the 2045 Regional plan | Supports the implementation of the 2040 Regional Plan and the Chapel Hill Long Range Transit Plan | Supports all other transit planning activities MPO-wide. | |
| 11- | Agency Responsible for Task Completion | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | Town of Chapel Hill | |
| 12- | HPR - Highway - NCDOT 20% | | | | | | | | |
| 13- | HPR - Highway - FHWA 80% | | | | | | | | |
| 14- | Section 104 (f) PL Local 20% | | | | | $20,255 | $1,220 | $5,694 | $41,851 |
| 15- | Section 104 (f) PL FHWA 80% | | | | | $81,018 | $4,880 | $22,778 | $167,400 |
| 16- | Section 5303 Local 10% | | | | | $1,161 | $1,131 | $2,340 | $13,372 |
| 17- | Section 5303 NCDOT 10% | | | | | $1,161 | $1,129 | $2,338 | $13,360 |
| 18- | Section 5303 FTA 80% | | | | | $9,288 | $9,044 | $18,718 | $106,951 |
| 19- | Section 5307 Transit - Local 10% | $250 | $1,000 | $250 | $200 | | $900 | $3,868 | $35,531 |
| 20- | Section 5307 Transit - NCDOT 10% | $250 | $1,000 | $250 | $200 | | $900 | $3,867 | $35,528 |
| 21- | Section 5307 Transit - FTA 80% | $2,000 | $8,000 | $2,000 | $1,600 | | $7,200 | $30,940 | $285,490 |
| 22- | Section 5309 Transit - Local 10% | | | | | | | | $0 |
| 23- | Section 5309 Transit - NCDOT 10% | | | | | | | | $0 |
| 24- | Section 5309 Transit - FTA 80% | | | | | | | | $0 |

# Chapel Hill Transit (CHT) for FTA 5307 and 5309

FINAL DOCUMENT

## Checklist for FTA UPWP Reviews (Please provide description):

1. Planning activities should be programmed which support required actions emanating from a **minimum twenty-year horizon long range transportation plan** (the Plan) which **conforms to Environmental Protection Agency air quality standards**; any goals and objectives stated in the UPWP should be reflect goals and objectives stated in the Plan;

| Yes | No |
|---|---|
| X | |

2. **Description of each discreet task** (in simple narrative sentence(s). Note that not only "new" actions, but also "carry-over" actions listed in previous programming documents must be described, for each UPWP should be independent and comprehensive; new actions should be clearly differentiated from carry-over action; tasks that may be within the MPO's charter, but will not be included in the current year planning should be excluded/deleted; the UPWP should not be constructed as a universal or perpetual document, but should be tailored each year;

| Yes | No |
|---|---|
| X | |

3. **Amount of FTA planning funds** sought to support each planning action/task in the current FY; note that administrative costs including indirect overhead costs may be spread across tasks, and not listed as a separate task OR at the option of the author, an overhead rate applicable across the board to all activities may be indicated and the totals extended;

| Yes | No |
|---|---|
| X | |

4. **FTA Program** (e.g. Section 5307 Urbanized Area Formula Program, Section 5303 Metropolitan Planning Program etc.) from which those funds will be drawn; when a specific task is proposed to be funded from more than one source, it is necessary to indicate FTA funding associated with each programmatic source;

| Yes | No |
|---|---|
| X | |

5. **Cumulative amount of FTA** funds previously drawn to support each task during past fiscal years (ONLY for multi-year tasks which produce specific deliverables); note that amounts should be identified in terms of the year of federal allocation and year of expenditure;

| Yes | No |
|---|---|
| X | |

6. **Product/Deliverable** that will be derived from the planning effort (e.g. study, model, UPWP, TIP, etc); deliverables should be actual tangible products rather than indications of progress or expended efforts;

| Yes | No |
|---|---|
| X | |

7. **Schedule indicating progress for multi-year tasks**, including date when FTA can expect completion of the planning action/task; here, we seek a **completion date** rather than an expression of the duration of time expected for completion (e.g. "the study will be completed by April 30, 2006" rather than "the study will require six months to complete");

| Yes | No |
|---|---|
| X | |

# CHAPEL HILL
## Anticipated DBE Contracting Opportunities for FY15

Name of MPO: Town of Chapel Hill

Person Completing Form: Carmen Cole  Telephone Number: 919-969-4911

| 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 |
|---|---|---|---|---|---|
| THERE ARE CURRENTLY NO ANTICIPATED DBE CONTRACTING OPPORTUNITIES. | | | | $0 | $0 |
| | | | | | |
| | | | | | |
| | | | | | |

**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.**

# Triangle Transit Authority (TTA)

- Funding Table
- FTA Task Narrative
- FTA Check Lists
- DBE Form

Triangle Transit Authority (TTA)

**Durham-Chapel Hill-Carrboro Urban Area**
**FY 2014-2015 Unified Planning Work Program**
**Proposed Funding Source Tables**

TTA
3/4/2014 21:38

| | Task Description | Local Transit | | Sec. 104(f) & 133(b)(3)(7) | | Section 5303 Highway/Transit | | | Section 5307 Transit | | | Section 5309 Transit | | | Task Funding Summary | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Local 100% | Local 20% | FHWA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 25% | NCDOT 25% | FTA 50% | Local | NCDOT | Federal | Total |
| II A | Surveillance of Change | | | | | | | | | | | | | | | | | |
| II A 1 | Traffic Volume Counts | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Vehicle Miles of Travel | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Street System Changes | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 4 | Traffic Accidents | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Transit System Data | | 125,000 | | | | | | 0 | 0 | 0 | | | | 125,000 | - | - | 125,000 |
| 6 | Dwelling Unit, Pop. & Emp. Change | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 7 | Air Travel | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 8 | Vehicle Occupancy Rates | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 9 | Travel Time Studies | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 10 | Mapping | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 11 | Central Area Parking Inventory | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 12 | Bike & Ped. Facilities Inventory | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 13 | Bike & Ped. Counts | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| II B | Long Range Transp. Plan | | | | | | | | | | | | | | | | | |
| B 1 | Collection of Base Year Data | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Collection of Network Data | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Travel Model Updates | | 90,000 | | | | | | 0 | 0 | 0 | | | | 90,000 | - | - | 90,000 |
| 4 | Travel Surveys | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Forecast of Data to Horizon year | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 6 | Community Goals & Objectives | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 7 | Forecast of Futurel Travel Patterns | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 8 | Capacity Deficiency Analysis | | | | | | | | 0 | 0 | 0 | | | | - | | - | |
| 9 | Highway Element of th LRTP | | | | | | | | 0 | 0 | 0 | | | | - | | - | |
| 10 | Transit Element of the LRTP | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 11 | Bicycle & Ped. Element of the LRTP | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 12 | Airport/Air Travel Element of LRTP | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 13 | Collector Street Element of LRTP | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 14 | Rail, Water or other mode of LRTP | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 15 | Freight Movement/Mobility Planning | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 16 | Financial Planning | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 17 | Congestion Management Strategies | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 18 | Air Qual. Planning/Conformity Anal. | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| II C | Short Range Transit Planning | | | | | | | | | | | | | | - | - | - | - |
| 1 | Short Range Transit Planning | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| III-A | Planning Work Program | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| III-B | Transp. Improvement Plan | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| III-C | Cvl Rgts. Cmp./Otr .Reg. Reqs. | | | | | | | | | | | | | | - | - | - | - |
| 1 | Title VI | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Environmental Justice | | | | | | | | 0 | 0 | 0 | | | | | | | |
| 3 | Minority Business Enterprise | | | | | | | | 0 | 0 | 0 | | | | | | | |
| 4 | Planning for the Elderly & Disabled | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 5 | Safety/Drug Control Planning | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 6 | Public Involvement | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 7 | Private Sector Participation | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| III-D | Incidental Plng./Project Dev. | | | | | | | | | | | | | | - | - | - | - |
| 1 | Transportation Enhancement Plng. | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 2 | Enviro. Analysis & Pre-TIP Plng. | | | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| 3 | Special Studies | | | | | | | | 85,500 | 85,500 | 684,000 | | | | 85,500 | 85,500 | 684,000 | 855,000 |
| 4 | Regional or Statewide Planning | | | | | | | | 0 | 0 | 0 | | | | | | | |

Triangle Transit Authority (TTA)

**Durham-Chapel Hill-Carrboro Urban Area**
**FY 2014-2015 Unified Planning Work Program**
**Proposed Funding Source Tables**

TTA
3/4/2014 21:38

| | Task Description | Local Transit | | Sec. 104(f) & 133(b)(3)(7) | | Section 5303 Highway/Transit | | | Section 5307 Transit | | | Section 5309 Transit | | | Task Funding Summary | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Local 100% | Local 20% | FHWA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 10% | NCDOT 10% | FTA 80% | Local 25% | NCDOT 25% | FTA 50% | Local | NCDOT | Federal | Total |
| III- E | **Management & Operations** | | | | | | | | | | | | | | | | | |
| 1 | Management & Operations | 0 | 0 | | | | | | 0 | 0 | 0 | | | | - | - | - | - |
| Totals | | $0 | $215,000 | $0 | $0 | $0 | $0 | $0 | $85,500 | $85,500 | $684,000 | $0 | $0 | $0 | $300,500 | $85,500 | $684,000 | $1,070,000 |

# Triangle Transit 2013 - 2014 UPWP

| | | | | | |
|---|---|---|---|---|---|
| 1- | MPO | | | | |
| 2- | FTA Code | 442400 | 442301 | 442302 | |
| 3- | Task Code | II-A-5 | II-B-3 | III-D-3 | |
| 4- | Title of Planning Task | Transit System Data | Travel Model Updates | Special Studies | TOTALS |
| | | Collect data via Internet survey on parking-constrained destinations in the region to support development of Triangle Regional Model's parking sub-components | Support for Triangle Regional Model Service Bureau | Studies may be conducted for corridors that show promise during the course of the development of the transit element of the MTP, including alternatives analysis activities, capital cost estimation, operating cost estimations, financial planning, and transit expert studies for corridors, alignments, and bus and rail service plans | |
| 5- | Task Objective | | | | |
| | | Data on incomes, parking costs, employer subsidies, travel patterns, and other data- of those using paid parking in employment centers | Updated Triangle Regional Model | RFP and/or Technical Report | |
| 6- | Tangible Product Expected | | | | |
| 7- | Expected Completion Date of Product(s) | 6/30/2015 | 6/30/2015 | 6/30/2015 | |
| 8- | Previous Work | None; new model component. | Ongoing support of TRM service bureau | URS Reports, MAB Analyses, Financial Planning Analysis | |
| 9- | Prior FTA Funds | $0 | $90,000 | $680,000 | |
| 10- | Relationship To Other Activities | Parking components of TRM will help assess transit projects for FTA New Starts program. Triangle Transit | Supports the regional travel model utilized for the MTP and other transit and highway planning purposes. Service Bureau at ITRE responsible for task - Triangle Transit is a funding partner | This task will follow from the transit infrastructure planning conducted for the MTP. Triangle Transit | |
| 11- | Agency Responsible for Task Completion | | | | |
| 12- | HPR - Highway - NCDOT 20% | | | | |
| 13- | HPR - Highway - FHWA 80% | | | | |
| 14- | Section 104 (f) PL Local 20% | | | | |
| 15- | Section 104 (f) PL FHWA 80% | | | | |
| 16- | Section 5303 Local 10% | | | | |
| 17- | Section 5303 NCDOT 10% | | | | |
| 18- | Section 5303 FTA 80% | | | | |
| 19- | Section 5307 Transit - Local 10% | $125,000 | $90,000 | $85,500 | $85,500 |
| 20- | Section 5307 Transit - NCDOT 10% | $0 | $0 | $85,500 | $85,500 |
| 21- | Section 5307 Transit - FTA 80% | $0 | $0 | $684,000 | $684,000 |
| | Additional Funds - Local 100% | | | | |
| | **TOTAL** | $125,000 | $90,000 | $855,000 | $855,000 |

# TRIANGLE TRANSIT (TTA)
# FTA TASK NARRATIVE TABLE
# FY2014-2015 (FY 2015) UPWP

| | | |
|---|---|---|
| 1. | MPO | DCHC |
| 2. | FTA Code | 442302.00 |
| 3. | Task Code | III-D-3 |
| 4. | Title | *Special Studies* |
| 5. | Task Objective | Support corridor planning functions including alternatives |
| 6. | Tangible Product Expected | Technical reports on specific topics regarding corridors, routes, stations, stops, and policies. |
| 7. | Expected Completion / Date of Products | 6/30/2015 |
| 8. | Previous Work | URS reports, model runs from MAB, financial analysis, Value |
| 9. | Prior FTA Funds ($ amount/Funding Year) | $855,000/2014 |
| 10. | Relationship | Advances planning for bus and rail services in major existing |
| 11. | Agency | Triangle Transit Authority (TTA) |

| | | | | | Totals By Funding Source (100%) | |
|---|---|---|---|---|---|---|
| 12. | HPR - Highway | NCDOT | 20% | $0 | | |
| 13. | HPR - Highway | FHWA | 80% | $0 | $0 | HPR |
| 14. | Section 104 (f) PL | Local | 20% | $0 | | |
| 15. | Section 104 (f) PL | FHWA | 80% | $0 | $0 | PL |
| 16. | Section 5303 | Local | 10% | $0 | | |
| 17. | Section 5303 | NCDOT | 10% | $0 | | |
| 18. | Section 5303 | FTA | 80% | $0 | $0 | 5303 |
| 19. | Section 5307 (planning) | Local | 10% | $85,500 | | |
| 20. | Section 5307 (planning) | NCDOT | 10% | $85,500 | | |
| 21. | Section 5307 (planning) | FTA | 80% | $684,000 | $855,000 | 5307 |
| 22. | Additional Funds | Local | 100% | $0 | $0 | Misc. |

# TRIANGLE TRANSIT (TTA)
# FTA TASK NARRATIVE TABLE
# FY2014-2015 (FY 2015) UPWP

| | | |
|---|---|---|
| 1. | MPO | DCHC |
| 2. | FTA Code | **442400** |
| 3. | Task Code | **II-A-5** |
| 4. | Title | ***Transit System Data*** |
| 5. | Task Objective | **Collect data via Internet survey on parking-constrained** |
| 6. | Tangible Product Expected | **Data on incomes, parking costs, employer subsidies, travel patterns, and other data- of those using paid parking in** |
| 7. | Expected Completion / Date of Products | **6/30/2015** |
| 8. | Previous Work | **None; new model component.** |
| 9. | Prior FTA Funds ($ amount/Funding Year) | **$0** |
| 10. | Relationship | **Parking components of TRM will help assess transit projects** |
| 11. | Agency | Triangle Transit Authority (TTA) |

| | | | | | Totals By Funding Source (100%) | |
|---|---|---|---|---|---|---|
| 12. | HPR - Highway | NCDOT | 20% | $0 | | |
| 13. | HPR - Highway | FHWA | 80% | $0 | **$0** | **HPR** |
| 14. | Section 104 (f) PL | Local | 20% | $0 | | |
| 15. | Section 104 (f) PL | FHWA | 80% | $0 | **$0** | **PL** |
| 16. | Section 5303 | Local | 10% | $0 | | |
| 17. | Section 5303 | NCDOT | 10% | $0 | | |
| 18. | Section 5303 | FTA | 80% | $0 | **$0** | **5303** |
| 19. | Section 5307 (planning) | Local | 10% | $0 | | |
| 20. | Section 5307 (planning) | NCDOT | 10% | $0 | | |
| 21. | Section 5307 (planning) | FTA | 80% | $0 | **$0** | **5307** |
| 22. | Additional Funds | Local | 100% | $125,000 | **$125,000** | **Misc.** |

# TRIANGLE TRANSIT (TTA)
# FTA TASK NARRATIVE TABLE
# FY2014-2015 (FY 2015) UPWP

1. MPO — DCHC
2. FTA Code — **442301**
3. Task Code — **II-B-3**
4. Title — ***Travel Model Updates***

5. Task Objective — **Support for Triangle Regional Model Service Bureau**

6. Tangible Product Expected — **Updated Triangle Regional Model**

7. Expected Completion / Date of Products — **6/30/2015**

8. Previous Work — **Ongoing support of TRM service bureau**

9. Prior FTA Funds ($ amount/Funding Year) — **$90,000/2013-2014**

10. Relationship — **Supports the regional travel model utilized for the MTP and**

11. Agency — Service Bureau at ITRE responsible for task - Triangle Trar

| | | | | | Totals By Funding Source (100%) | |
|---|---|---|---|---|---|---|
| 12. HPR - Highway | NCDOT | 20% | $0 | | | |
| 13. HPR - Highway | FHWA | 80% | $0 | | **$0** | **HPR** |
| 14. Section 104 (f) PL | Local | 20% | $0 | | | |
| 15. Section 104 (f) PL | FHWA | 80% | $0 | | **$0** | **PL** |
| 16. Section 5303 | Local | 10% | $0 | | | |
| 17. Section 5303 | NCDOT | 10% | $0 | | | |
| 18. Section 5303 | FTA | 80% | $0 | | **$0** | **5303** |
| 19. Section 5307 (planning) | Local | 10% | $0 | | | |
| 20. Section 5307 (planning) | NCDOT | 10% | $0 | | | |
| 21. Section 5307 (planning) | FTA | 80% | $0 | | **$0** | **5307** |
| 22. Additional Funds | Local | 100% | | $90,000 | **$90,000** | **Misc.** |

# TRIANGLE TRANSIT
## Anticipated DBE Contracting Opportunities for FY15

**Name of MPO/Member Agency: Durham-Chapel Hill-Carrboro MPO**

Person Completing Form: Patrick McDonough, Triangle Transit Telephone Number 919-485-7455

| 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 |
|---|---|---|---|---|---|
| III-D-3 | Special Studies | Triangle Transit | Consultant | $855,000 | $855,000 |
| II-A-5 | Transit System Data | Triangle Transit | Consultant | $0 | $125,000 |
| | | | | | |
| | | | | | |

**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.**