



KNOXVILLE REGIONAL **TPO** TRANSPORTATION
PLANNING
ORGANIZATION

Unified Planning Work Program

Fiscal Year 2009

**2009 TRANSPORTATION PLANNING WORK PROGRAM
Knoxville Regional Transportation Planning Organization**

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This report was prepared in cooperation with the U.S. Department of Transportation, Federal Highway Administration, Federal Transit Administration and the Tennessee Department of Transportation.

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**A RESOLUTION BY THE EXECUTIVE BOARD
OF THE KNOXVILLE REGIONAL
TRANSPORTATION PLANNING ORGANIZATION
ADOPTING
THE FISCAL YEAR 2009
UNIFIED PLANNING WORK PROGRAM**

WHEREAS, in accordance with the requirements of the US Department of Transportation, Section 450.314 of the Metropolitan Planning Regulations, no planning activities can be funded by federal sources until they have been included in the Unified Planning Work Program; and

WHEREAS, the required planning factors to be considered by TPOs in developing transportation plans and programs, were used in the development of this Unified Planning Work Program; and

WHEREAS, FTA 5303 planning funds shall be designated to the TPO for transit planning purposes as outlined in the Work Program; and

WHEREAS, the TPO Technical Committee has endorsed this FY 2009 Unified Planning Work Program as the first step in achieving a coordinated transportation system; and

WHEREAS, the elements of the transportation planning work program are to receive final approval from the Executive Board of the local Transportation Planning Organization,

WHEREAS, the public was afforded an opportunity to comment on the Unified Planning Work Program,

NOW, THEREFORE, BE IT RESOLVED BY THE KNOXVILLE REGIONAL
TRANSPORTATION PLANNING ORGANIZATION EXECUTIVE BOARD:

that the FY 2009 Unified Planning Work Program be adopted.

August 27, 2008

Mayor Bill Haslam
City of Knoxville
TPO Executive Board Chair

Jeffrey A. Welch
TPO Director

**UNIFIED PLANNING WORK PROGRAM
KNOXVILLE REGIONAL TRANSPORTATION
PLANNING ORGANIZATION**

FY 2009

Introduction

The Safe, Accountable, Flexible Transportation Equity Act – a Legacy for Users (SAFETEA-LU) provides an enhanced role for local governments through the Metropolitan Planning Organization (MPO). The MPO is responsible for developing a long-range plan and a transportation improvement program for the metropolitan planning area, in cooperation with the state and affected transit operators and the public. The planning horizon for the metropolitan planning area must be at least 20 years. Therefore, the metropolitan planning study boundary must extend to the area forecasted to become urbanized in the next 20 to 25 years.

The MPO for the Knoxville Urban Area is called the Knoxville Regional Transportation Planning Organization (TPO). Members of the TPO include the Cities of Knoxville, Maryville, Alcoa, and Lenoir City, the Town of Farragut, and the Counties of Blount, Knox, Loudon, and Sevier. The State of Tennessee is also a participant in the process.

As a result of the 2000 Census, the TPO urbanized area has significantly increased in land area and population, and therefore, three new local governments have been added to the TPO committee structure. These jurisdictions include Lenoir City, Loudon County, and Sevier County. The total revised land area for the urbanized area is 340 square miles with an estimated population of 482,754.

The TPO has also contracted with the Tennessee Department of Transportation (TDOT) for the TPO to be responsible for conducting regional transportation planning for the entire ozone air quality nonattainment area. The nonattainment counties include Anderson, Blount, Jefferson, Knox, Loudon, Sevier, and part of Cocke County. The land area for the nonattainment area is 2,533 square miles with an estimated population of 765,806. The TDOT has created Rural Transportation Planning Organizations (RTPO), managed by the Development Districts, to help address rural transportation needs regionally. The Southern RTPO for this area will be actively involved with the TPO in tackling transportation and related issues to improve air quality for our nonattainment area.

The Unified Planning Work Program (UPWP) identifies the metropolitan and regional transportation and transportation-related air quality planning activities anticipated within the area during Fiscal Year (FY) 2009. FY 2009 begins October 1, 2008, and ends September 30, 2009.

Challenges

1. Through implementation of the work program, the TPO will meet federal transportation planning mandates and address local transportation challenges.

SAFETEA-LU identified eight major planning factors that should be considered when developing transportation plans and programs. Plans and programs should:

- a. Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
- b. Increase the safety of the transportation system for motorized and nonmotorized users;
- c. Increase the accessibility and mobility options available to people and for freight;
- d. Protect and enhance the environment, promote energy conservation, and improve quality of life;
- e. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
- f. Promote efficient system management and operation;
- g. Emphasize the preservation of the existing transportation system; and,
- h. Increase the security of the transportation system for motorized and nonmotorized users.

PLANNING TASKS	a Economic Vitality	b Safety	c Mobility Options	d Conserve Environment Energy	e Multi-modal Integration	f Mgmt. & Operations	g Preserve Existing System	h Security
I.A. Admin.	X	X	X	X	X	X	X	X
I.B. Data	X	X				X		
I.C. Public	X	X	X	X	X	X	X	X
I.D. Long Range	X	X	X	X	X	X	X	X
I.E. Intermodal	X		X	X	X		X	
I.F. Management	X	X		X		X	X	
I.G. Air Quality	X			X				
I.H. Programming	X	X	X	X	X	X	X	X
II. Special	X				X		X	
III. Transit	X		X	X			X	X
IV. Regional	X	X	X	X	X	X	X	X

The objectives of the UPWP are as follows:

1. To maintain and strengthen the cooperative, comprehensive, and continuous transportation planning process of the Knoxville Regional Transportation Planning Organization and the Southern RTPO.
2. To provide for land use and transportation planning data with special consideration to minority communities and to provide stronger linkages between land use and transportation planning.
3. To assist each agency involved in the transportation planning process to develop a coordinated planning program that allows the most efficient use of available personnel and monies.
4. To identify needed transportation planning activities in the study area based on comprehensive transportation planning, transportation system performance analysis and to provide for the funding, agency coordination and eventual implementation of those activities.
5. To involve affected parties in the TPO transportation planning process. A special emphasis will be placed on engaging members of low income and minority groups early on in the planning process.

Certification of the transportation planning process of the Knoxville Regional TPO was completed in February 2008. There were no corrective actions identified by the federal review team. There were three recommendations made by the review team and they are:

1. Strongly encourage the preparation of a two year UPWP for a longer term document.
 2. Formalize a MOA with Lakeway on consultation procedures for Air Quality modeling and Conformity.
 3. Evaluate the effectiveness of the Congestion Management Process.
- Items 1 and 3 will be considered during the FY 2009 work program year. Item 2 should be completed by the summer of 2008. The next certification is scheduled for 2012.

Air quality is a major concern in the Knoxville Urban Area as well as in several counties adjoining the Urban Area. On April 15, 2004, the US Environmental Protection Agency (EPA) designated the counties of Anderson, Blount, Jefferson, Knox, Loudon, Sevier, and a portion of Cocke County as nonattainment for ozone. Also, effective April 5, 2005, Anderson, Blount, Knox, Loudon, and a portion of Roane County were designated nonattainment for PM_{2.5}. The following is a brief history of conformity analysis for our area.

The FHWA and FTA approved a finding of conformity under the 1-hour ozone standard for the 2005-2030 LRTP on April 19, 2005. A finding of conformity for the 8-hour ozone standard was determined by FHWA and FTA on June 1, 2005. In March of 2006, the

TPO Board and the Southern RTPO adopted amendments to the 2005-2030 Knoxville Regional Long Range Transportation Plan and conformity analysis for both ozone and PM2.5. A finding of conformity for both ozone and PM2.5 was approved by U.S. DOT on April 3, 2006. Finally, the TPO Executive Board adopted a SAFETEA-LU compliant Long Range Transportation Plan and corresponding conformity analysis on September 24, 2007 which was approved by U.S. DOT on December 13, 2007.

Work Program Structure

Tasks required by the metropolitan planning regulations which impact the TPO planning boundary for the 20- to 25-year study area are grouped under Metropolitan Planning. Tasks include administration for the TPO meetings and information dissemination, data collection and monitoring, assuring public participation and involvement, long range plan monitoring, update of the transportation improvement program, intermodal planning, congestion management planning and air quality conformity analysis.

Transit projects have been listed to identify tasks using FTA Section 5303 funding. Transit needs are also considered in coordination with long range and intermodal planning.

Unobligated funds are listed in the UPWP under Contingency. These funds are available for special projects, which arise after the adoption of the UPWP. Direct charges are also presented.

The current members of the Knoxville Regional Transportation Planning Organization are as follows.

Members of the Executive Board

Angie Midgett, Representing the Governor, State of Tennessee
Jerry Cunningham, Blount County Mayor
Mike Ragsdale, Knox County Mayor
Thomas Strickland, Chair of the Knox County Commission
Donald Mull, Mayor, City of Alcoa
Bill Haslam, Mayor, City of Knoxville
Joe Swann, Mayor, City of Maryville
Eddy Ford, Mayor, Town of Farragut
Mike Hammond, Representative, East Tennessee Development District
Mark Brown, Vice Mayor, City of Knoxville
Doyle Arp, Loudon County Mayor
Matt Brookshire, Lenoir City Mayor
Larry Waters, Sevier County Mayor
Non-voting participants:
Tameka Macon, Federal Highway Administration, Tennessee Division

Members of the TPO Technical Committee

Chris Hamby, Alcoa Regional Planning Commission (ARPC)
John Lamb, Blount County Regional Planning Commission (BCPC)
Steve King, Department of Engineering, City of Knoxville
Bruce Wuethrich, Department of Engineering and Public Works, Knox County
Terry Bobrowski, East Tennessee Development District (ETDD)
Ted Newsom, Knoxville Commuter Pool (KCP)
Mark Donaldson, Knoxville-Knox County Metropolitan Planning Commission (MPC)
Melissa Roberson, Knoxville Area Transit (KAT)
Brian Boone, Maryville Engineering and Public Works Department
Darryl Smith, Department of Engineering, Town of Farragut
Angie Midgett, Planning Division, TDOT
Rich DesGroseilliers, Lakeway Area Metropolitan Transportation Planning Organization
Greg Patterson, Sevier County
Russ Newman, Loudon County Planning Department
Dale Hurst, Lenoir City
Gordon Acuff, East Tennessee Human Resource Agency
Barbara Monty, Knoxville Knox County Community Action Committee
Bryan White, Knoxville Airport Authority
Fred Corum, TDOT Region 1
Kathryn Baldwin, Anderson County
Don Hurst, Cocke County

Non-voting participants:

Tameka Macon, Federal Highway Administration, Tennessee Division (FHWA)
Abigail Rivera, Federal Transit Administration (FTA)

Public Participation

The Title VI Working Group assists in identifying transportation issues or projects that would have an impact on low income and minority groups in the urban area. This group meets several times a year.

The Bicycle Advisory Committee (BAC) is a subcommittee consisting of twelve citizens from throughout the TPO study area. The committee assists the TPO in identifying bicycle opportunities in planning and design of transportation facilities, and helps disseminate information to neighborhoods and other citizen groups about transportation projects and programs. The TPO manages the Knoxville Bicycle Program, which includes a website to provide information to the public and receive input and requests for more information.

The TPO website, www.knoxtrans.org, provides information on public meetings, opportunities for public participation, minutes from TPO meetings, and documents prepared by the TPO. The website also accepts public comments and questions via e-mail, as well as by providing the TPO phone number and mailing address.

The public was solicited for comment on the development of the 2009 UPWP in the following manner: Drafts of the UPWP were presented to the TPO Technical Committee at two publicly advertised meetings on May 13 and June 10. The TPO Executive Board also reviewed and adopted the UPWP at a publicly advertised meeting on August 27, 2008.

Scheduled Meetings

Notices of TPO meetings are published in the legal ads of the *Knoxville News Sentinel*, *The Daily Times* (Maryville) and *The Enlightener* at least one week prior to the meeting. Meeting notices will also be published in *Mundo Hispano*. The Executive Board meets on the fourth Wednesday in February, April, May, August, and October. The Technical Committee meets at least bi-monthly on the second Tuesday.

Amendments to the Work Program

There may be an occasion to modify this Work Program by adding or deleting a project. On such occasion, an amendment to the Work Program must be recommended by the Technical Committee and approved by the Executive Board. All meetings of the Technical Committee and Executive Board are publicly advertised meetings.

Appendix

Appendix A includes the FY2009 Budget Tables.

I. METROPOLITAN PLANNING

This section addresses those transportation planning work tasks which are required for the Knoxville Regional Transportation Planning Organization to have a certified transportation planning process, and to maintain continued federal funding for transportation projects and programs.

A. ADMINISTRATION

Purpose: To manage and administer the transportation planning program and ensure the participation and cooperation of all involved agencies, citizen groups, and individuals. To maintain a continuous, cooperative, and comprehensive transportation planning process consistent with the area's general plans and to ensure that transportation planning projects meet federal and state requirements and allow state and local governments to continue to receive federal capital and operating assistance.

Tasks:

1. Develop and oversee work schedules and study agreements, coordinate activities of the TPO Executive Board and Technical Committee and provide information upon request. (TPO)

2. Develop and maintain agreements with appropriate parties of the planning process and update Prospectus when needed. Update the Bylaws as necessary. (TPO)
3. Develop the Unified Planning Work Program for Fiscal Year 2010 for the TPO Executive Board adoption and submittal to TDOT, FHWA, and FTA. Make amendments as required. Consider a two year work program. (TPO)
4. Encourage a cooperative and open transportation planning process through the participation of interested individuals, organizations, and local/state governments. Participate in the Association of Metropolitan Planning Organizations and Tennessee Association of MPO Coordinators Meetings. (TPO)
5. Work jointly with the Knoxville TPO to establish the administrative and technical procedures required, prepare contractual agreements as required, attend all study meetings, distribute special and annual reports and study documents, review and analyze individual transportation planning projects and studies, and undertake general administrative activities. (TDOT- Planning Division)
6. Administer the correspondence and telephone contacts regarding urban public transit, river transportation, rail service, ridesharing, and transportation systems management. Participate in TPO meetings, distribute federal guidelines and requirements, conduct seminars and work sessions, and provide advice and assistance concerning feasibility of federal and state transit programs and river transportation development. Serve as a source of state and federal policy review, study documentation and reports, and coordinate FTA funds and FTA programs 49 CFR 5309, 5303, 5307 and 5310 in Tennessee. (TDOT - Multi-Modal Division)

MPC	<i>FHWA (Sec 112)</i>	<i>FTA (Sec 5303)</i>	
Federal	\$80,000	\$6,000	
State		\$750	
Local	\$20,000	\$750	
TDOT	<i>FHWA (SPR)</i>	<i>TDOT (Transit)</i>	
Federal	\$18,108		
State	\$4,527		
TOTAL	\$22,635		\$130,135

Product	Schedule
FY 2010 Work Program	Spring/Summer 2009
Quarterly Invoices and Reports	Quarterly
Administration and Coordination	Ongoing

B. DATA COLLECTION AND MONITORING

Purpose: To maintain an inventory of transportation data needed for long range planning and continued validation of the travel demand forecasting model. This data will be collected for the entire nonattainment area.

Tasks:

1. Continue urban area traffic count program to support the long range transportation planning process. It is necessary to collect traffic data on streets and highways that are part of the travel demand model network. This data will help ensure that the travel demand model used for the long range transportation plan and corridor studies reflect the most up to date traffic conditions in the urban area. (TPO)
2. Monitor changes in landuse development activities affecting the transportation systems for the entire urbanized area. Maintaining landuse data by traffic analysis zone helps support the update of the travel demand forecasting model for long range planning. (TPO, and Local Governments)
3. Conduct pedestrian and bicyclist counts in the spring and fall of each year at targeted locations to assess levels of non-motorized modes. (TPO, and Local Governments)
4. Collect other data that will provide information on the performance of the transportation system including travel time data collection throughout the study area. (TPO lead, all jurisdictions)
5. Collect traffic count data at three permanent, 499 annual cycle count stations plus 200 counts on the Interstate ramps. Conduct special traffic counts as needed for planning and design projects. Maintain crash file and furnish high hazard listings and other safety data as required. Travel time studies will be conducted if needed for special studies. (TDOT: Project Planning Division).

MPC	<i>FHWA (Sec 112)</i>	<i>FTA (Sec 5303)</i>	
Federal	\$30,000		
State			
Local	\$7,500		
TDOT	<i>FHWA (SPR)</i>		
Federal	\$36,881		
State	\$9,220		
TOTAL	\$46,101		\$83,601

Product	Schedule
Traffic Count Updates	Fall 2008 and Spring 2009
Bicycle and Pedestrian Count	Fall 2008 and Spring 2009
Crash Data/Collision Diagrams	Ongoing
Development Related Data	Ongoing
Travel Time Data	Fall 2008 and Spring 2009

C. PUBLIC PARTICIPATION AND AGENCY COORDINATION

Purpose: To provide resources and information to ensure public awareness and participation in the regional transportation planning process. Attend public meetings to understand community concerns on transportation issues and plans.

Tasks:

1. Maintain the Public Participation Procedures as adopted by the TPO and as required by planning regulations. Meetings of the Bicycle Advisory Committee, Freight Advisory Group, the Title VI Working Group, and other committees or working groups created by TPO. (TPO)
2. Ensure that the transportation planning process and related plans are consistent with Title VI requirements and principles of environmental justice. Prepare required Title VI Annual report for TDOT. (TPO)
3. Increase outreach effort to members of the urban area, including minorities that traditionally have participated less in the transportation planning process. Maintain open communication with federal, state, and local elected officials. Prepare and disseminate TPO newsletter quarterly. Develop and maintain a general TPO mailing list. (TPO)
4. Maintain and update transportation-related maps, an informational website, and other resources for use by the TPO and the public. (TPO)
5. Attend and participate in transportation-related public meetings sponsored by TPO participants and the community. Attendance is to ensure plans and projects are in keeping with Long Range Transportation Plan's goals and objectives. (TPO)
6. Maintain a GIS transportation portal for transportation related data. This portal serves as a central data storage point for staff, other agencies, and the public to view and obtain transportation related data either through KGIS or the TPO webpage. (TPO)

MPC	<i>FHWA (Sec 112)</i>	<i>FTA (Sec 5303)</i>	
Federal	\$30,000		
State			
Local	\$7,500		
TOTAL			\$37,500

Product	Schedule
Title VI Report	May 2009
TPO Quarterly Newsletter	Winter, Spring, Fall and Summer 2008/2009
Map and Website Update	Ongoing
Meetings, Outreach & Public Participation	Ongoing
Maintain Mailing Lists	Ongoing

D. LONG RANGE PLANNING

Purpose: Maintain and update the Regional Long Range Mobility Plan to ensure that it is in compliance with federal and state requirements. Maintain and enhance the travel demand forecasting model for the region.

Tasks:

1. Develop a Regional Long Range Mobility Plan for the Year 2035 for the TPO and nonattainment areas to ensure that it is in compliance with SAFETEA-LU and meets the needs of the community.. (TPO, TDOT and Southern RTPO)
2. Continue to enhance the regional travel demand model to include a mode choice component. Investigate scenario models in the process. The linkage between land use and transportation will be enhanced through the use of a software program called Urban Land Use Allocation Model (ULAM). (TPO)
3. The Regional Long Range Mobility Plan must meet air quality conformity regulations. The TPO will conduct the necessary modeling to ensure that the Plan update and any amendments/adjustments meet the regulations for ozone and PM2.5. (TPO, TDOT)
4. TPO staff will utilize the travel demand forecasting model for regional transportation corridor studies such as Pellissippi Parkway, James White Parkway and Knoxville Parkway. (TPO)
5. Participate in environmental and corridor studies as required. (TPO members, ETDD)

6. Evaluate state and local planned growth and economic development patterns for consistency with the Regional Long Range Mobility Plan and updates. (TPO, ETDD)
7. Provide assistance to the TPO on model development, ITS architecture and planning and assistance with freight planning. (TDOT)

MPC	<i>FHWA (Sec 112)</i>	
Federal	\$150,000	
State		
Local	\$37,500	
TDOT	<i>FHWA (SPR)</i>	
Federal	\$54,404	
State	\$13,601	
TOTAL	\$68,005	\$255,505

Product	Schedule
Year 2035 Long Range Mobility Plan	Summer 2009
Enhanced Travel Demand Model	Spring 2009
Technical Reports	As Needed

E. INTERMODAL PLANNING

Purpose: To ensure that transportation plans and programs result in an integrated, intermodal transportation system that facilitates the safe, efficient, and economic movement of people and goods. Provide opportunities for increased mobility options in plans and projects.

Tasks:

1. Continue to implement the Regional Bicycle Plan. The TPO Bicycle Advisory Committee will assist in this effort. (All TPO participants)
2. Participate in the development and monitoring of plans and programs for sidewalks, bike facilities, and greenways. Assist TPO participants in identifying pedestrian/bicycle linkages to major generators such as parks and schools and between cities and counties. Also assist TPO participants in finding funding sources for repair and construction of sidewalks and other pedestrian accommodations. Participate in Safe Routes to School program. Attendance at meetings will be to ensure that projects are consistent with the goals and objectives in the Long Range Transportation Plan. Participate in the Great Smoky Mountain Regional Greenway Council by serving on the council and providing technical assistance. (TPO)

3. Incorporate freight-related issues into the transportation planning process through the following measures:
 - Continue to coordinate regular meetings of the Freight Advisory Committee to bring freight stakeholders and officials up to date on freight planning activities and to discuss freight related topics; and
 - Stay involved with ongoing freight planning activities such as the I-81 corridor planning efforts in Virginia, Norfolk Southern Crescent Corridor Plans, Chickamauga Lock improvement plans, McGhee Tyson Airport Master Plan, the State of Tennessee Freight Planning efforts and I-40/I-81 and I-75 Corridor Studies initiated by TDOT. (TPO, TDOT)

4. A Bicycle Parking/Enhancement Program will continue to be funded with Congestion Mitigation and Air Quality (CMAQ) funds. TPO staff will implement this program by working with businesses and agencies interested in bike parking facilities. (TPO)

MPC	<i>FHWA (Sec 112)</i>	<i>FTA (Sec 5303)</i>	
Federal	\$130,000		
State			
Local	\$32,500		
TOTAL			\$162,500

Product	Schedule
Technical Reports	Ongoing

F. TRANSPORTATION MANAGEMENT PLANNING

Purpose: To improve air quality, reduce congestion, increase safety, and enhance operating efficiency of the regional transportation system in accordance with federal planning regulations.

Tasks:

1. Maintain the Congestion Management Process Plan (CMP). The CMP is used by TPO participants to select projects to be programmed in the TIP and listed in the LRTP. Monitor the effectiveness of the CMP. The CMP is also used as one criterion for scoring projects to be funded with STP or CMAQ funds in the TIP. (TPO)

2. Review and evaluate projects submitted for Congestion Mitigation and Air Quality Improvement (CMAQ) program funding to ensure maximum benefit to the urban area. Prepare CMAQ annual report. (TPO)

3. Develop and maintain safety-related information and assessments to assist in project selection for the Long Range Transportation Plan, TIP, or CMP Plan. This effort will help increase the safety of the transportation system for motorized and non-motorized users. (TPO, TDOT, KAT, FHWA)
4. Continue to manage a Knoxville Regional Smart Trips Program to improve air quality, reduce parking requirements, and reduce traffic congestion. The purpose of Smart Trips is to work with employers in the air quality nonattainment area, to develop worksite trip reduction programs and coordinate existing/proposed activities relating to promotion and encouragement of transit, carpooling, vanpooling, bicycling, walking and telecommuting. (This task is funded with CMAQ and CTAP grants.) (TPO)
5. Maintain Knoxville Regional ITS architecture. (TPO)
6. The TPO will take the lead in maintaining an Incident Management Task Force for the urban area. A key emphasis area will be the monitoring Incident Management Response related to SmartFix-40. (TPO, TDOT)

MPC	<i>FHWA (Sec 112)</i>	
Federal	\$80,000	
State		
Local	\$20,000	
SmartTrips (Task 4)		
CMAQ	\$130,000	
CTAP		
Local		
TOTAL		\$230,000

Product	Schedule
Smart Trips TDM program	Ongoing
CMAQ Annual Report	January 2009
ITS Architecture	As needed
Incident Management Meetings	Ongoing

G. AIR QUALITY

Purpose: To fulfill the requirements of the Clean Air Act Amendments of 1990, its Successor, and SAFETEA-LU as related to nonattainment in coordination with the Knox County Air Pollution Control Board, Tennessee Department of Environment and Conservation (TDEC), and TDOT.

Tasks:

1. Assess the impact of new air quality standards and area designations as they are released from both an urban and regional perspective. Participate in the Knox County Air Quality Board and on the East Tennessee Regional Clean Air Coalition (RCAC), including hosting the website and managing marketing/outreach. (TPO)
2. Participate in periodic interagency teleconference calls organized by FHWA. (TPO)
3. Coordinate an interagency consultation process to review transportation conformity determinations on an as needed basis for amendments and updates to the Regional LRTP and TIP.
4. Participate with TDEC, TDOT, and local jurisdictions in developing a motor vehicle emissions budget as part of the State Implementation Plan for the Knoxville nonattainment area. (TPO)

MPC	<i>FHWA (Sec 112)</i>	
Federal	\$20,000	
State		
Local	\$5,000	
TOTAL		\$\$25,000

Product	Schedule
Air Quality Conformity	Ongoing

H. TRANSPORTATION PROGRAMMING/FINANCIAL PLANNING

Purpose: To maintain the 2008-2011 Transportation Improvement Program (TIP), monitor projects, and establish priorities and funding options for regional transportation needs.

Tasks:

1. Maintain, amend and adjust, as needed, the 2008-2011 TIP with assistance from TDOT and local implementing agencies. Develop annual TPO priority list of projects to be submitted to state legislators and TDOT. (TPO)
2. Review proposed projects by TDOT, local implementing agencies, and private developers for transportation, air quality, Title VI impacts, and consistency with the LRTP. (TPO)
3. Monitor projects that are listed in the TIP to ensure proper funding and priorities

are being met. Prepare an annual listing of obligated projects. (TPO, TDOT)

4. Maintain a system to track state and local transportation projects at each stage, from planning until construction is complete. Make this list available to TPO participants and the general public. (TPO and TDOT)

MPC	<i>FHWA (Sec 112)</i>	
Federal	\$28,000	
State		
Local	\$7,000	
TOTAL		\$\$\$35,000

Product	Schedule
Listing of Obligated Projects	December 2008
TPO Project Priority List	December 2008
Project Tracking System	Ongoing
Amendments and Adjustments to the TIP	As needed

II. SPECIAL PROJECTS

This section identifies projects to address sub-regional transportation planning needs through the evaluation of alternatives. All projects will be in concert with the goals and objectives of the Long Range Transportation Plan. It is the intent of the TPO that the products of these planning efforts will help facilitate a more informed decision-making process in the development of the Long Range Transportation Plan, TIP, or CMP Plan and their subsequent updates.

Purpose: To carry out planning studies related to proposed changes in land use and transportation plans.

Tasks:

1. Collect data and evaluate changes in general land use plans, growth management plans, and major thoroughfare plans for the region. The results of these efforts are key inputs into maintaining an accurate regional travel demand forecasting model which is a major tool used by the TPO in developing and maintaining the LRTP. (TPO)
2. Undertake transportation planning studies in conjunction with land use studies of regional corridors such as the Kingston Pike/Northshore Drive area. All planning studies will be consistent with the Long Range Transportation Plan's goals and objectives. Products will help facilitate the long-range transportation decision-making process and be inputs into the Long Range Transportation Plan, TIP,

CMP Plan, or their subsequent updates. (TPO, TDOT and local governments)

3. Participate in environmental assessment/impact studies, planning studies, and alternative analysis of proposed projects in the urban area to ensure that they are consistent with the plans of the TPO including the LRTP, TIP, and CMP. (TPO, TDOT)
4. Through the use of GIS data, the TPO will conduct environmental scans of proposed transportation projects. (TPO)
5. Conduct special transportation and land use planning projects that have regional significance. All planning studies will be consistent with the Long Range Transportation Plan's goals and objectives. Products will help facilitate the long range transportation decision-making process and be inputs into the Long Range Transportation Plan, TIP, CMP Plan, or their subsequent updates. (TPO, TDOT and local governments)

Transportation Planning Report requests to TDOT can be found in **Appendix B**.

MPC	<i>FHWA (Sec 112)</i>	
Federal	\$75,000	
State		
Local	\$18,750	
TOTAL		\$93,750

Product	Schedule
Knoxville Parkway EIS	Through 2009, with TDOT
South Knoxville Blvd EIS	Through 2009, with TDOT
Pellissippi Parkway Extension EIS	Through 2009, with TDOT

III. TRANSIT

This section identifies the transportation activities that are focused on public transit and ridesharing.

Purpose: To provide technical planning assistance in transit and ridesharing to meet local and regional needs and fulfill federal and state requirements.

Tasks:

1. Provide required documentation for the FTA and TDOT, including Disadvantaged Business Enterprise, Title VI, Americans with Disabilities Act, and National Transit Data reporting. (TPO, KAT)
2. Offer technical assistance, in cooperation with the City of Knoxville and Knox County, to related transportation boards, including workshops and special research. (TPO, KAT, CAC)
3. Assist the City of Knoxville and KAT in responding to compliance issues regarding the Americans with Disabilities Act (ADA). (TPO, KAT)
4. Provide travel in relation to participation in FTA training sessions and workshops. (TPO, KAT)
5. Develop plans, services, and programs to meet the mobility needs and improve air quality of the TPO planning area, especially in congested corridors. This includes studying and promoting a variety of alternative forms of transportation including carpooling, vanpooling, express services, flexible transit services, and fixed-route services. Efforts will continue to develop private/public partnerships to provide commuter options and transit service. (KAT, TPO, CAC, KCP, Smart Trips)
6. Implement a Geographic Information System at KAT. (KAT, TPO)
7. Provide technical assistance and planning support for downtown transit issues, including support for Central Station project, and overall parking and circulation needs related to major redevelopment projects. (TPO, KAT)
8. Provide planning assistance to improve transportation services for seniors. (KAT, CAC, ETHRA, KCP, TPO)
9. Evaluate and monitor transit system safety programs to include emergency preparedness, crash investigation, and driver training, and drug and alcohol abuse prevention. Implement and update, as necessary, a security plan for KAT. (KAT)
10. Participate in planning processes related to regional mass transit. (TPO, KAT, TDOT)
11. Assist KAT with planning, assessing, and deploying ITS. (KAT, TPO)
12. Help coordinate the strategies recommended by the Human Service Transportation Coordination Plan. Continue to seek ways to improve coordination between KAT, CAC, and ETHRA and non-profit service providers. Provide technical assistance and administer the Job Access and Reverse Commute (JARC) and New Freedom grant programs. Conduct local JARC and New Freedom project selection process. Coordinate with TDOT on

the Section 5310 program. (TPO, KAT, CAC, ETHRA, KCP, TDOT)

13. KAT Transit Development Plan (TDP). This plan will provide KAT a new vision for providing services over the next five to ten years. The TDP will include surveys, fixed-route analysis, trolley route analysis, a technology utilization plan, a financial plan, and an implementation plan. Part of the TDP will include preparing a Downtown Trolley and Bus Circulation Study. This will examine how bus and trolley routes need to be adjusted to serve the new Knoxville Station. Also, included in the TDP will be a Transit-Oriented Development (TOD) Corridor Analysis. This project seeks to identify potential high-capacity transit corridors and what types of services and TOD might meet future demand. The study will also investigate how to eliminate impediments such as outdated ordinances and land use practices and provide realistic examples that might help transit prosper. (TPO, KAT)

MPC	<i>FTA (Sec 5303)</i>	
Federal	\$100,000	
State	\$12,500	
Local	\$12,500	
MPC	<i>FTA (Sec 5316)</i>	
Federal	\$10,000	
State	\$1,250	
Local	\$1,250	
MPC	<i>FTA (Sec 5317)</i>	
Federal	\$10,000	
State	\$1,250	
Local	\$1,250	
KAT	<i>FTA (Sec 5307)</i>	
Federal	\$211,200	
State	\$26,400	
Local	\$26,400	
TOTAL		\$414,000

Product	Schedule
National Transit Database	Spring 2009
DBE Reports	Spring 2009
Safety Report	Spring 2009
Title VI TDOT Report	May 2009
GIS Implementation	Fall 2009
KAT Transit Development Plan	Summer 2009
Technical Assistance and Workshops	Ongoing
SmartTrips (Alternative Modes Program)	Ongoing
Technical Assistance for Central Station	Ongoing
Technical Assistance/Planning For Seniors	Ongoing
Human Service Transportation Coordination	Ongoing

IV. REGIONAL TRANSPORTATION PLANNING

Purpose: To assist the efforts of federal, state, and local agencies in addressing regional transportation planning issues. This includes mobility and air quality issues from a regional perspective and the impact that the Great Smoky Mountains National Park has on traffic in the region.

Tasks:

1. Participate in the Great Smoky Mountain Regional Greenway Council by serving on the council and providing technical assistance. Assist the city of Oak Ridge and other jurisdictions in the development of pedestrian, bicycle and greenway plans that offer regional connectivity. (TPO and local jurisdictions)
2. Participate in regional transportation issues such as Chickamauga Lock and Dam planning, I-40/I-81 and I-75 Corridor Studies, I-3, Memphis to Bristol Rail Study, and I-81 Corridor Coalition to assess impacts on the long range transportation plan development, safety, and air quality. (TPO)
3. Amend the Regional LRTP and air quality conformity analysis, as necessary. This task will be conducted in coordination with TDOT and the affected local governments. (TPO, TDOT, ETDD, Lakeway TPO)
4. Significant regional data are required in order to enhance the regional travel demand forecasting model. TPO staff will work with local, regional, and state agencies to maintain land use and socio-economic data at the necessary level in order to do land use and transportation planning at the regional level. The linkage between land use and transportation will be enhanced through the use of Urban Land Use Allocation Model (ULAM). (TPO, state and local governments)
5. Evaluate and update, as needed, functional classification plans for the regional cities and counties. Updated plans will assist the TPO in maintaining a current travel demand forecasting model. (TPO and local governments).
6. The travel demand forecasting model will be enhanced to improve the regional transportation network (9 counties). Adding additional links and improving link data will be part of this effort. Incorporating regional land use plans and data from all jurisdictions into the model will be pursued this year. The enhancement of the model will include a mode choice component for parts of the regional area where appropriate (i.e., SR 66 in Sevier County). (TPO, Lakeway and state and local governments)
7. TPO staff will assist TDOT and local governments in conducting regional corridor studies. All planning studies will be consistent with the Regional Long Range Transportation Plan's goals and objectives. Products will help facilitate the long-range transportation decision-making process and be inputs into the Long Range Transportation Plan, TIP, CMP Plan, or their subsequent updates. (TPO, TDOT, and local governments)
8. TPO staff will provide technical transportation planning support to the southern and northern Rural Planning Organization. This support will consist of assisting

in identifying regional transportation project priorities, determining consistency of transportation projects to the adopted and conforming regional long range transportation plan and studies required to meet federal and state requirements and local regional needs. Regional bicycle, transit, and pedestrian/greenway assessments and needs analysis will be conducted. (TPO, ETDD, TDOT and local governments)

9. In cooperation with the Lakeway Area Metropolitan TPO, the TPO staff will continue its freight planning efforts. (TPO, Lakeway TPO)
10. In cooperation with TDOT, Johnson City MPO, affected RPOs and other organizations, the Knoxville TPO will coordinate the preparation of a Scenic Byways Corridor Management Plan for US 321 from Loudon County to Carter County in East Tennessee. (TPO, TDOT, Johnson City MPO)

MPC	<i>FHWA (Sec 112)</i>	<i>FHWA (SPR)</i>	
Federal		\$100,000	
State		\$25,000	
Local			
TOTAL			\$125,000

Product	Schedule
US 321 Scenic Byway Study	August 2009
Amendments to Regional Long-Range Transportation Plan	As needed
Regional Air Quality Conformity Analysis Amendments	As needed
Travel Demand Model Updates	Ongoing
Technical Support and Planning	Ongoing
Model Updates	Spring 2009
Regional Corridor Studies	As needed
Updated Functional Classification Plans	As needed
Freight Advisory Committee	Ongoing
Regional Pedestrian, Greenway and Bicycle Plans	Ongoing

V. DIRECT CHARGES

1. Travel to workshops, seminars, and conferences as required to receive training in

federal and state regulations and for information exchange, professional development, and continuing education. (TPO)

2. Purchase computer and related equipment. (TPO)
3. Included in this task are charges related to travel, training, equipment purchases including computers, software, and traffic counting related items. (TPO)
4. Professional consulting services as follows: (TPO)

	Task	FHWA	KAT/ FTA	SPR	TDOT	Total
Traffic Counting	I.B.	\$14,000				\$14,000
Model Update/Mode Choice	I.D., IV					\$125,000
ULAM Model	I.D., IV					
KAT Action Plan	III		\$50,000		\$25,000	\$75,000
Complete Streets Study	II			\$50,000		\$50,000
US 321 Scenic Byways	IV	\$125,000				\$125,000
Total						\$389,000

Cost: TOTAL \$449,000 (includes consulting services and non-consultant expenditures of \$ 60,000 noted below)

MPC	<u>FHWA (Sec 112)</u>	<u>FTA (5303)</u>	<u>FHWA (SPR)</u>
Federal	36,000	4,000	8,000
State		500	2,000
Local	9,000	500	

Breakdown of non-consultant expenditures:

Computers, plotter and related hardware, software, \$9,000

Pedestrian/bike counters

Travel Model Consultant

 Training and travel \$30,000

 Meeting expenses \$ 6,000

 Reference materials, licensing fees, software \$15,000

 Memberships

The equipment, computers, and software will be used to support the metropolitan transportation planning processes in completing the tasks of the adopted TPO work program. Inclusion of equipment purchases in this UPWP constitutes needed state approval for equipment purchases.

Product	Schedule
Traffic Count Data	Fall 2008, Spring 2009
Workshops and Conferences	As needed
Purchase of Computers and Related	As needed

Equipment	
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VI. CONTINGENCY

This line item will be available to support any cost overruns or new projects for the 2009 work program. Use of the contingency fund will require an amendment to the UPWP which requires a recommendation by the Technical Committee and the approval of the TPO Board.

Cost:	TOTAL \$62,500	
MPC	<u>FHWA (Sec. 112)</u>	
Federal	\$50,000	
State		
	Local	\$12,500

APPENDIX A

FY 2009 Budget Tables

Table 1. FUNDING SOURCES by TASK

KNOXVILLE REGIONAL AREA FY 2009 UPWP

Adopted August 22, 2008

	Federal Highway Administration				Federal Transit Administration						Smart Trips	Scenic Byways	TOTAL
	SPR	SS	PL	LS	Sec. 5303	SLS	S.5316, S.5317	SLS	Sec. 5307	SLS			
Task by Funding Source													
I. Metropolitan Planning													
I.A. Administration	18,108	4,527	80,000	20,000	6,000	1,500							130,135
I.B. Data Collection and Monitoring (Surveillance)	36,881	9,220	30,000	7,500									83,601
I.C. Public Participation & Project Coordination			30,000	7,500									37,500
I.D. Long Range Planning	54,404	13,601	150,000	37,500									255,505
I.E. Intermodal Planning		0	130,000	32,500									162,500
I.F. Transportation Management Planning		0	80,000	20,000						130,000			230,000
I.G. Air Quality		0	20,000	5,000									25,000
I.H. Transportation Programming/Financial Plng.		0	28,000	7,000									35,000
II. Special Projects		0	75,000	18,750									93,750
III. Transit		0			100,000	25,000	20,000	5,000	211,200	52,800			414,000
IV. Regional Transportation Planning	100,000	25,000											125,000
V. Direct Charges	48,000	12,000	144,800	36,200	4,000	1,000			60,000	15,000		125,000	446,000
VI. Contingency			50,000	12,500									62,500
TOTAL	257,393	64,348	817,800	204,450	110,000	27,500	20,000	5,000	271,200	67,800	130,000	125,000	2,100,491

Contributor by Funding Source

Local				204,450		13,750		2,500		33,900		25,000	279,600
State		64,348				13,750		2,500		33,900			114,498
Federal	257,393		817,800		110,000		20,000		271,200		130,000	100,000	1,706,393
TOTAL	257,393	64,348	817,800	204,450	110,000	27,500	20,000	5,000	271,200	67,800	130,000	125,000	2,100,491

SS=State Share, LS= Local Share

*The total FHWA PL dollars (\$847,800) consists of FY 2009 allocation of \$534,411 and a fund balance transfer of \$283,389. New fund balance will be approximately \$520,000.

Table 2. AGENCY PARTICIPATION

KNOXVILLE REGIONAL AREA FY 2009 UPWP

Adopted August 22, 2008

	MPC SEC 112	MPC SEC 5303	Transit S.16/17	MPC Smart Trips	MPC SPR	Scenic Byways	MPC TOTAL	KAT 5307/09	TDOT SPR	TOTAL
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By Task

I. Metropolitan Planning										
I.A. Administration	100,000	7,500					107,500		22,635	130,135
I.B. Data Collection and Monitoring (Surveillance)	37,500						37,500		46,101	83,601
I.C. Public Participation & Project Coordination	37,500						37,500			37,500
I.D. Long Range Planning	187,500						187,500		68,005	255,505
I.E. Intermodal Planning	162,500						162,500			162,500
I.F. Management Systems Planning	100,000			130,000			230,000			230,000
I.G. Air Quality	25,000						25,000			25,000
I.H. Transportation Programming	35,000						35,000			35,000
II. Special Projects	93,750						93,750			93,750
III. Transit		125,000	25,000				150,000	264,000		414,000
VI. Regional Transportation Planning					125,000		125,000			125,000
IV. Direct Charges	181,000	5,000			60,000	125,000	371,000	75,000		446,000
V. Contingency	62,500						62,500			62,500
TOTAL	1,022,250	137,500	25,000	130,000	185,000	125,000	1,624,750	339,000	136,741	2,100,491

By Contribution

Local	204,450	13,750	2,500			25,000	245,700	33,900		279,600
State		13,750	2,500		37,000		53,250	33,900	27,348	114,498
Federal	817,800	110,000	20,000	130,000	148,000	100,000	1,325,800	271,200	109,393	1,706,393
TOTAL	1,022,250	137,500	25,000	130,000	185,000	125,000	1,624,750	339,000	136,741	2,100,491

APPENDIX B

Transportation Planning Report Requests

1. A Transportation Planning Report is requested for U.S. highway 321 from U. S. highway 11 to and including the interchange with Interstate 75 in Lenoir City.