

Johnson City Metropolitan Transportation Planning Organization

Unified Planning Work Program

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

Federal Fiscal Year 2012

*Si usted necesita este documento resumido en español contacta por favor al Coordinador del MTPO. Número de teléfono (423) 434-6272, Correo electrónico: jcmpo@jcmpo.org .

Adopted: June 8, 2011

Amended: November 3, 2011

RESOLUTION OF THE EXECUTIVE BOARD OF THE JOHNSON CITY METROPOLITAN TRANSPORTATION PLANNING ORGANIZATION TO AMEND THE FY 2012 UNIFIED PLANNING WORK PROGRAM (UPWP) TO INCORPORATE LANGUAGE FOR SUSTAINABILITY AND CLIMATE CHANGE

Whereas, a comprehensive cooperative and continuing transportation planning process is to be carried out in the Johnson City Metropolitan Transportation Area; and

Whereas, under Federal Planning Guidelines MPO's are required to submit a Unified Planning Work Program (UPWP) that identifies the transportation planning projects and planning activities to be undertaken by local, regional, and or state agencies for the Johnson City MTPO Area for Fiscal Year 2012; and

Whereas, the various state, local and regional agencies involved with transportation planning for the Johnson City MTPO Area have cooperatively developed a Unified Planning Work Program for Fiscal Year 2012; and

Whereas, it is the function of the Johnson City Metropolitan Transportation Planning Organization to develop and adopt an annual transportation planning work program for the Johnson City MTPO Area; and

Whereas, additional language for sustainability and climate change must be added to the FY 2012 UPWP; and

NOW THEREFORE, be it resolved by the Johnson City Metropolitan Transportation Planning Organization Executive Board does hereby approve the amendment to the FY 2012 Unified Planning Work Program (UPWP).



MTPO Executive Board, Chairman



MTPO Executive Staff, Chairman

11/03/11

Date

03 NOV 2011

Date

RESOLUTION OF THE EXECUTIVE BOARD OF THE JOHNSON CITY METROPLITAN TRANSPORTATION PLANNING ORGANIZATION TO ADOPT THE FY 2012 UNIFIED PLANNING WORK PROGRAM (UPWP)

Whereas, a comprehensive, cooperative and continuing transportation planning process is to be carried out in the Johnson City Metropolitan Transportation Planning Area; and

Whereas, under Federal Planning Guidelines MPO's are required to submit a Unified Planning Work Program (UPWP) that identifies the transportation planning projects and planning activities to be undertaken by local, regional, and or state agencies for the Johnson City MTPO Metropolitan Transportation Planning Area for Federal Fiscal Year 2012; and

Whereas, the various state, local and regional agencies involved with transportation planning for the Johnson City MTPO Area have cooperatively developed a Unified Planning Work Program for Federal Fiscal Year 2012;and

Whereas, it is the function of the Johnson City Metropolitan Transportation Planning Organization to develop and adopt an annual transportation planning work program for the Johnson City Metropolitan Transportation Planning Area.

Whereas, the UPWP is developed by the MTPO and reviewed by the Tennessee Department of Transportation, Federal Highway Administration and Federal Transit Administration providing comments on the UPWP; and

NOW THEREFORE, be it resolved by the Johnson City Metropolitan Transportation Planning Organization Executive Board does hereby approve the adoption of the FY 2012 Unified Planning Work Program (UPWP) pending all comments are addressed in a favorable manner.



MTPO Executive Board, Chairman



MTPO Executive Staff, Chairman



Date



Date

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List of Abbreviations

ADA	Americans with Disabilities Act
ARRA	American Recovery and Reinvestment Act of 2009
EAC	Early Action Compact
EDA	Economic Development Administration
ELIZ	City of Elizabethton
ETSU	East Tennessee State University
ES	Economic Stimulus
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FTHRA	First Tennessee Human Resource Agency
FRA	Federal Railroad Administration
FY	Fiscal Year
GIS	Geographic Information Systems
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991
ITS	Intelligent Transportation Systems
JC	City of Johnson City
JCT	Johnson City Transit
LPA	Office of Local Planning Assistance
LRTP	Long Range Transportation Plan
MPO	Metropolitan Planning Organization
MTPO	Metropolitan Transportation Planning Organization ⁱ
MTRD	Multimodal Transportation Resources Division
MSA	Metropolitan Statistical Area
PL/Sec. 112	FHWA Section 112 Planning Funds
RFP	Request for Proposal
RPO	Rural Planning Organization
SAFETEA-LU	Safe, Accountable, Flexible, Efficient, Transportation Equity Act: A Legacy for Users of 2005
Sec. 5303	FTA Section 5303 Technical and Planning Funds
SPR	State Planning and Research Funds
TDOT	Tennessee Department of Transportation
PD	Planning and Development
TEA 21	Transportation Equity Act for the 21 st Century, 1998
TEMA	Tennessee Emergency Management Agency
TIP	Transportation Improvement Program
TPR	Transportation Planning Report
TSM	Transportation Systems Management
UPWP	Unified Planning Work Program
USDOT	United States Department of Transportation
VMT	Vehicle Miles Traveled

ⁱ Same as MPO. When the Johnson City MPO was chartered it was given the name “MTPO” as to avoid confusion with regional planning commissions.

Introduction

Each year the Johnson City MTPO is required to submit a work program that details transportation planning activities and work. This is done through a document called the Unified Planning Work Program or UPWP. Activities in the UPWP range from data collection to the development and coordination of transportation plans and programs. The UPWP is a requirement of the Safe, Accountable, Flexible Transportation Equity Act - Legacy for Users (SAFETEA-LU) of 2005. The UPWP follows the federal fiscal year which runs from October 1 to September 30 each year.

The primary funding source to accomplish tasks identified in the UPWP is provided by two programs. One, the Federal Highway Administration (FHWA) Section 112 Planning funds (PL 112) and the Federal Transit Administration (FTA) section 5303 funds. As with most grants matching funds are required. Shown in the table below is the funding program and required matching ratios.

<i>Funding Program</i>	<i>Federal</i>	<i>State</i>	<i>Local</i>
FHWA (PL 112)	80%		20%
FTA (5303)	80%	10%	10%

Depending on task, other funding sources may be used, if so they are identified in the detail section of each task in UPWP.

However, without the FHWA PL 112 and FTA 5303 funds, the Johnson City MTPO would not be able to operate in its current capacity as the majority of these funds are used for MTPO operations. The annual allocation for FHWA PL funds are based on official population numbers from the U.S. Census Bureau for the Johnson City Urban Area. Both of these programs are administered by the Tennessee Department of Transportation.

The UPWP is developed by the Johnson City MTPO staff in conjunction with its members, TDOT, FHWA, FTA, and public transportation operators. The draft UPWP is submitted to TDOT, FHWA, and FTA for comments. Once the comments have been adequately addressed the UPWP is recommended for adoption by the Johnson City MTPO Executive Board.

The Johnson City MTPO Focus

The MTPO is focused on improve improving, livability, sustainability, mobility, and accessibility. The vision for the MTPO includes improvements in all modes of transportation, from walking and biking, to roads, to transit.

Priorities for Fiscal Year 2012: The overall UPWP for FY 2012 contains many projects associated with the day-to-day operations of the MTPO, as well as intermediate and long-range activities outlined in the scope of work. The following represents the major issues for the upcoming fiscal year. The primary focus for the Johnson City MTPO in this UPWP is the Long Range Transportation Plan Update.

1. Complete the final draft of the Long Range Transportation Plan Update in FY 2012.
2. Maintain the Transportation Improvement Program with adjustments / amendments as needed.
3. Maintain necessary transportation databases for the Johnson City MTPO Study Area to support transportation planning.
4. Monitor air quality to prepare for potential impacts of new regulations.
5. Develop a FY 2013 UPWP and make any necessary modifications to the PPP if needed.

Johnson City MTPO Study Area

The Johnson City MTPO urban area consists of Elizabethton, Jonesborough, Johnson City, a small portion of the Town of Unicoi and sections of Carter and Washington Counties. The MTPO study area extends slightly outward from the urban area (Figure 1). Census data from 2000 puts population of the urban area at 102,456.

Johnson City MTPO Study Area

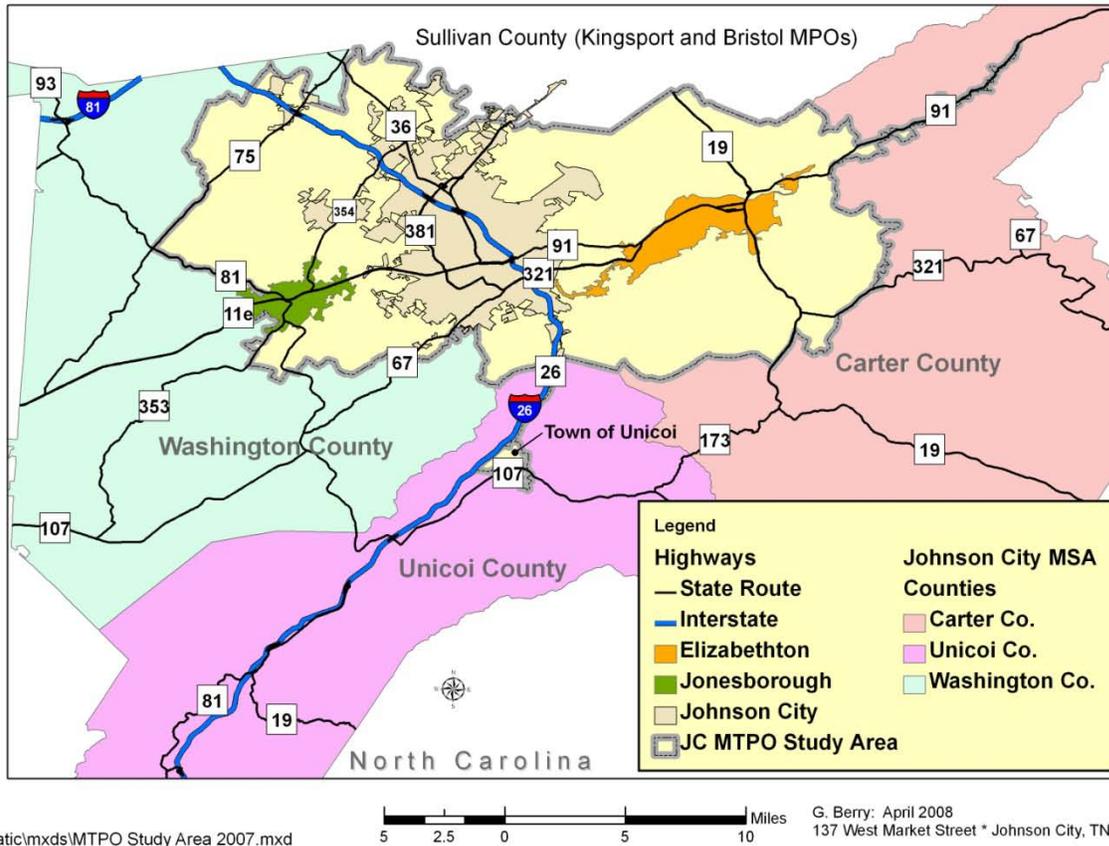


Figure 1

Organizational Structure

The Johnson City MTPO is comprised of an Executive Board, Executive Staff, and MTPO Staff. The Executive Board is the overall governing body for the MTPO and is supported by the Executive Staff and MTPO staff.

Executive Board

The Executive Board is the governing body of the MTPO and has the authority to adopt plans, programs, and policies. The Executive Board is comprised of elected officials from the member jurisdictions.

- Mayor of Johnson City – Executive Board Chairman
- Mayor of Elizabethton – Executive Board Vice Chairman
- Mayor of Jonesborough - Member

- Mayor of the Town of Unicoi - Member
- Mayor of Carter County - Member
- Mayor of Washington County - Member
- Governor of Tennessee – Member

Members of the Executive Board may designate a representative to serve on the board in their absence. Due to the duties and responsibilities of his office the Governor of Tennessee usually sends a representative to meetings on his behalf. The Federal Highway Administration (FHWA) and Federal Transit Administration (FTA) are non-voting members of the Executive Board.

Executive Staff

The Executive Staff is the next level of organization for the MTPO. The Executive Staff assists in the development of plans and programs for the MTPO region, keeps the Executive Board informed of transportation activities, and makes recommendations to the Executive Board for their consideration. Similar to the Executive Board, the Executive Staff is composed of representatives from each of the participating jurisdictions with additional agencies represented. The top administrators from each agency make up the Executive Staff. Generally these administrators are staff positions and not elected to office; however, in some cases such as Highway Superintendents, they are elected officials.

- Johnson City, City Manager – Executive Staff Chairman
- Elizabethton City Manger - Executive Staff Vice Chairman
- Jonesborough Town Administrator - Member
- Town of Unicoi - Member
- Carter County Highway Superintendent - Member
- Washington County Highway Superintendent - Member
- First Tennessee Development District - Member
- Tennessee State Planning Office – Member¹
- Tennessee Department of Transportation - Member
- Johnson City Transit System – Member

The Federal Highway Administration and Federal Transit Administration are non-voting members of the Executive Staff. When necessary the Executive Staff can assign tasks to other employees of their agency to assist with transportation projects.

Johnson City MTPO Staff

At present the Johnson City MTPO Staff consists of two fulltime positions and one halftime position that is shared with Johnson City Transit. MTPO staff report directly to the Johnson City Planning Department but are responsible to all member jurisdictions, as shown in Figure 2 on the next page.

- Transportation Planning Coordinator
- Project Manager
- Transit/MTPO Planner (part-time)

¹ To be addressed in the future.

The Transportation Planning Coordinator is the administrative staff position responsible for the day to day operations of the Johnson City MTPO. As the name implies, this position coordinates transportation planning activities with local governments, as well as state and federal agencies. The Coordinator also serves as Secretary to the Executive Board and must be approved by the board for this position.

In addition to the Transportation Planning Coordinator, the Johnson City MTPO employs a Project Manager who is responsible for managing MTPO projects for the MTPO and assists with MTPO operations. It should be noted the Project Manager does not manage projects using STP funds. This is the responsibility of TDOT or the local member jurisdictions. The Project Manager reports directly to the Coordinator. The MTPO is a Division of the Johnson City Planning Department.

The MTPO also shares a planning position with Johnson City Transit. This position is responsible for Transit Planning and is the Title VI Coordinator for the MTPO. Specifically, the Transit Planner works on Title VI, Environmental Justice (EJ), Disadvantage Business Enterprise (DBE), and Public outreach as well as transit planning activities for the MTPO.

Johnson City Metropolitan Transportation Planning Organization Organizational Chart

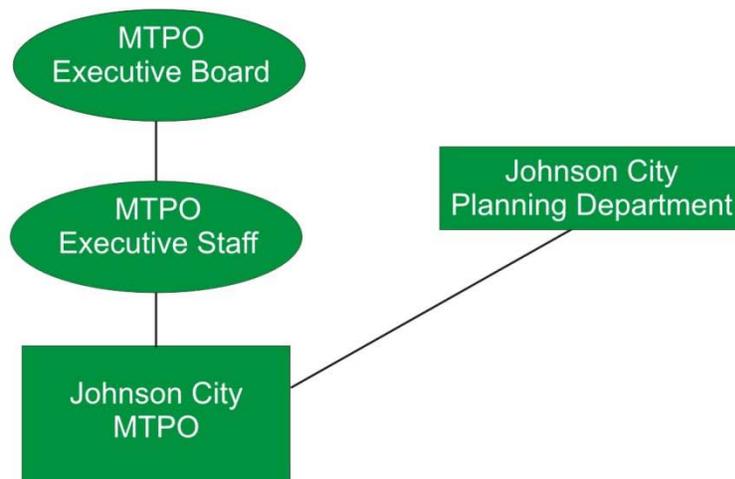


Figure 2

Public Participation

In developing the UPWP federally required planning factors for MPOs are considered. The UPWP is reviewed and discussed at meetings of the MTPO Executive Staff and adopted by the Executive Board. In addition, the UPWP is made available on the Johnson City MTPO website and at public meetings for review. Any comments made during a public meeting or public review is recorded. After TDOT, FHWA, and FTA review the UPWP is posted online for public review/comment.

Title VI / Environment Justice / ADA

Environmental Justice is the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of

environmental laws, regulations, and policies. The Johnson City MTPO maintains an active Title VI program which includes public outreach. These activities are coordinated for residents within the MTPO area. These activities include public access television spots, informational links on websites, and articles in local newspapers. In addition posters describing Title VI legislation have been posted at key locations within the MTPO area, in both Spanish and English. The Johnson City MTPO website located at <http://www.jcmpo.org> contains web links to the Title VI and Civil Rights information sites. Johnson City staff attends Title VI training when available and participate in Title VI conference calls with TDOT. All projects using federal highway trust funds for the MTPO comply with Title VI, Environmental Justice and the Americans with Disabilities Act. The Johnson City MTPO and Johnson City Transit staff attended training on TDOT's Environmental Justice Screening tool during 2007. MTPO staff also took online Title VI training through TDOT's Civil Rights Office in 2008. The MTPO Coordinator attended Civil Rights Training in September of 2010 at the TDOT Region I Office, located in Knoxville. In April of 2011 the Title VI Coordinator for the MTPO attended Civil Rights Training in Knoxville.

There have been no Civil Rights Compliance Reviews of the Johnson City Transit System during the last three years. A Triennial Review was conducted by the FTA Region IV Office for the JCT during September 2008 that included a comprehensive evaluation of the system's compliance with FTA and USDOT initiatives and emphasis areas. There were no findings. The next Triennial Review is scheduled for July 2011.

SAFETEA-LU Planning Factors and Federal Initiatives:

Each task within the UPWP considers one or more of the following SAFETEA-LU Planning Factors (SAFETEA-LU Factors are noted in each task):

SAFETEA-LU emphasizes eight broad focal points:

1. **Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;** The Johnson City MTPO will coordinate transportation projects with local governments and agencies to improve the MTPO region's global competitiveness. To attain this goal the MTPO has developed partnerships with economic development boards in the MTPO region and work cooperatively coordinate transportation projects with economic development projects..
2. **Increase the safety of the transportation system for motorized and non-motorized users;** The Johnson City MTPO will encourage projects that include enhanced safety features for transportation in the region. The safety measures that are encouraged are traffic pre-emption devices for emergency vehicles, improved safety for transit infrastructure, coordination with the Tennessee Department of Transportation on intersection safety audits, and collect and disseminate safety concerns from the general public to the appropriate agency. This involves working with local law enforcement agencies, local Emergency Management agencies, and other public safety agencies.
3. **Increase the security of the transportation system for motorized and non-motorized users;** for highway security, ITS monitoring systems (cameras) are planned to be deployed at key highways and intersections to aid in transportation security. Additionally the Johnson City MTPO is part Johnson City Transit Safety / Security Advisory Committee.
4. **Increase the accessibility and mobility of people and for freight;** The Johnson City MTPO will work with all local governments in the region to maintain and update the long

range transportation plan. The MTPO has successfully worked with Norfolk Southern Railroad in reviewing opportunities for rail freight access along NS's main line in Johnson City. Additionally, the MTPO also works with the local short line railroad to enhance freight access to the Class 1 railroads (NS & CSX) when possible.

5. **Protect and enhance the environment, promote energy conservation, and promote consistency between transportation improvements and state and local planned growth and economic development patterns;** JC MTPO works closely with Johnson City Transit (JCT) in promoting transit service enhancing energy consumption. The MTPO assists with coordination efforts between the rural services provided by NET TRANS and the Johnson City Transit system where possible. As part of the long range transportation plan process the MTPO coordinates with local governments to mitigate potentially environmentally sensitive areas.
6. **Enhance the integration and connectivity of the transportation system across and between modes, for people and freight;** The Johnson City MTPO continues to coordinate activities with the Kingsport and Bristol MPOs through regional meetings and promoting regional transportation projects. One recent example of this coordination is the support of a major transportation improvement project, SR 75 Improvements, in the Kingsport MPO that benefits our entire region and provides better access to the Tri-Cities Airport and the main campus of Northeast State Community College with an enrollment of over 5,000 students. The SR 75 project has been approved and is under construction, with the major bridge project along the route completed in spring 2011. The JC MTPO will continue to coordinate planning activities with the Kingsport and Bristol MPOs.
7. **Promote efficient system management and operation;** The Johnson City MTPO assists is local jurisdictions in planning for life cycle replacement of equipment, advise on maintenance and operations beyond simple resurfacing projects and other "routine" activities. The Johnson City MTPO has attended the Planning for Operations workshop hosted by FHWA and TDOT. After attending this meeting the MTPO will continue to promote and coordinate improved planning for "maintenance and operations" activities with FHWA, FTA and TDOT. The Johnson City MTPO is responsible for coordination of Intelligent Transportation Systems (ITS) projects. Much progress has been made in this area with two ITS projects in the region that allow local jurisdictions to "manage and operate" the highway system in a more efficient manner. The projects are the Johnson City ITS (formerly IVHS) Project and the Elizabethton Signal Synchronization Project along SR Elk and Broad street.
8. **Emphasize the preservation of the existing transportation system.** In all plans and projects the Johnson City MTPO will examine the existing transportation system before making recommendations for improvements. This analysis involves coordination with all levels of government as well as the general public through comments received by the MTPO.

In addition to the SAFETEA-LU planning factors the following Federal initiatives of Livability and Climate Change were reviewed, considered, and included in the development of the UPWP and shown in Figure 3.

- A. Address Climate change mitigation and adaptation in the planning process
The Johnson City MTPO will review educational materials, planning initiatives and FHWA guidance on integrating climate change and livability concepts into the Long Range

Transportation Planning Process with the goal of incorporating these concepts to implemented projects.

- B. The MTPO will integrate the livability principles of more transportation choices, equitable, affordable housing, enhanced economic competitiveness, support for existing communities, coordinated polices, leveraging investments, and valuing communities and neighborhoods into the transportation planning process.

An example of the MTPO implementing this concept is the “Rails to Trails” Master Plan for converting the abandoned East Tennessee Railway line from Johnson City to the east end of Elizabethton to a trail. The city of Johnson City acquired the property through the rails to trails program and followed all federal laws in the acquisition. To assist the member jurisdictions the MTPO is funding the development of a Master Plan for trail development that will enhance alternative transportation (i.e. walking and bicycling), has the potential to link to other existing transportation systems (i.e. State of Franklin Multi Use Trail: Phase II – Johnson City, The Elizabethton Linear Path, and the Johnson City Transit System), and potentially reducing pollution from automotive traffic.

	Task A1.	Task A2.	Task B.	Task C.	Task D.	Task E.
Economic Vitality	X	X	X	X	X	X
System Safety	X	X	X	X	X	X
System Security	X	X	X	X	X	X
Accessibility & Mobility	X	X	X	X	X	X
Enhance Environment	X	X	X	X	X	X
Integration & Connectivity	X	X	X	X	X	X
System Mgmt. & Operations	X	X	X	X	X	X
System Preservation	X	X	X	X	X	X
Climate Change	X	X	X	X	X	X
Livability	X	X	X	X	X	X

Figure 3: Planning Factor Matrix

Work Program

Task A1

Administrative Activities (PL 112)

Responsible Agencies: JC MTPO, TDOT – Planning Division and Division of Multimodal Transportation Resources, FHWA

Purpose: (JC MTPO and TDOT) To conduct continuing, cooperative, and comprehensive transportation planning activities consistent with the urban area's comprehensive general plan and ensure that all transportation planning projects meet federal and state requirements.

Previous Work:

JC MTPO Annual work program (FY 2011 UPWP), Participation in TDOT and FHWA sponsored educational and training opportunities for MTPO staff. Review of contractual items. Production of State (yearly) Title VI reports, submission of billings, and attendance at various meetings. MTPO Executive Board and Staff meetings.

TDOT A continuing work activity.

Study Design for FY 2012:

JC MTPO

- Facilitate better coordination with the TDOT Office of Local Programs for the implementation of projects as they relate to the LRTP and TIP with member jurisdictions.
- Attend FHWA, TDOT, and other sponsored training and workshops, as available, to improve and maintain proficiency in field.
- Continue to coordinate and develop outreach activities for the Title VI Program
- Work with TDOT, FHWA, and FTA to prepare and submit technical reports (2013 UPWP and Quarterly Reports).
- Check for effectiveness of the PPP and make modifications if needed.
- Attend meetings of the MTPO organization, RPO, TNMUG, local, regional, state, and federal sponsored meetings related to transportation planning as needed.
- Prepare and maintain MTPO committee contact lists, media lists, and other lists as needed.
- Includes meetings/updates to all Executive Staff and Executive Board members.
- Prepare and submit financial quarterly reports.
- Review and submit various contractual documents.
- Update By-Laws and Prospectus as needed.
- Purchase of necessary equipment.
- Maintain license for existing software: Travel Demand Model, Geographic Information Systems (GIS), Global Position System (GPS) data collection units, and visualization software such as Google Earth Pro, Website development software, and other graphic package.
- Includes all office supplies and equipment for day to day use.

TDOT

The Planning Division of the Tennessee Department of Transportation will work jointly with the urban area 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 duties.

The TDOT Office of Local Programs will coordinate, review and assist the Johnson City MTPO in maintenance of the Transportation Improvement Program as it relates to the successful implementation and deployment of local projects. The Office of Local Programs will coordinate projects with FHWA on behalf of the Johnson City MTPO and participate in Johnson City MTPO meetings.

The Division of Multimodal Transportation Resources will administer correspondence and telephone contacts regarding river transportation, urban public transit, rail service, ridesharing, and transportation systems management. It should be noted there are no “navigable rivers” in the Johnson City MTPO Study Area. Representatives of this office will participate in MTPO meetings; distribute federal guidelines and requirements; conduct seminars and work sessions; provide advice and assistance concerning feasibility of river transportation development; review study documentation and reports; administer funds for port development. This office will coordinate FTA Sections 5303, 5310, 5307, and 5309 programs in Tennessee.

Products

JC MTPO

- Progress reports
- Contracts and agreements
- Files and Records as required
- An approved FY 2013 UPWP
- An approved 2012 State Title VI report
- JC MTPO Executive Staff and Executive Board meetings
- Evaluate and maintain plans as needed, including ITS project updates, Public Participation Plan, TIP Amendments, UPWP, and information for the Long Range Transportation Plan.

TDOT: An ongoing transportation planning program.

Work Schedule

JC MTPO

Most work is done on a continual basis; some milestones for this task are as follows:

	Oct 11	Nov 11	Dec 11	Jan 12	Feb 12	Mar 12	Apr 12	May 12	Jun 12	Jul 12	Aug 12	Sept 12
Billing	x			x			x			x		
UPWP							d				a	
Title VI (State requirements)								x				

a = adopted, d = draft, x = month occurs

TDOT: A continuing task.

SAFETEA-LU Factors Considered: All SAFETEA-LU Factors are discussed during Executive Staff and Executive Board meetings. All factors are considered during development of the UPWP, TIP and LRTP documents.

A1 Administrative Tasks

PL112	Local	MTPO Total	SPR	State SPR Match	State SPR Total	Total
\$57,200	\$14,300	\$71,500	\$9,934	\$2,484	\$12,418	\$83,918

Task A2

Maintenance of Data Inventories and Surveillance (PL 112)

Responsible Agencies: JC MTPO, TDOT Planning Division

Purpose:

JC MTPO

Inventory of transportation and land-use data, MTPO boundaries, database development, maintenance, and improvement of equipment necessary for improving data inventories and maintenance of the JC MTPO website for dissemination of information.

TDOT

Inventory of Transportation Data

Previous Work:

JC MTPO Collection, analysis, and monitoring of population, commuter patterns, bicycle and pedestrian facilities, freight information, land use and traffic data on a local and regional basis for input into the future Long Range Transportation Plan and TIP. The JC MTPO maintains a website with all documents, meetings, RFPs, and upcoming events available for public viewing.

TDOT Traffic volumes are collected annually throughout the MTPO area by TDOT. Special count data collected for design projects as required. Accident data from Tennessee Department of Safety coded and filed. High hazard accident data furnished for safety studies as needed.

Study Design:

JC MTPO

- Update and collect traffic, freight, bicycle and pedestrian facilities, population, land use, and socioeconomic data, if available and needed.
- Update traffic analysis zones defining Census geography for the region, based on the final criteria established for tracts, block groups, and other geographic areas.
- Maintain databases necessary for the long range plan, travel demand model, and any other data that may need to be purchased. This would also include any data needed for any potential air quality standard changes.
- Regional traffic count information is maintained (via interactive mapping system) on the MTPO website, including TDOT statewide count information.
- Maintain databases and mapping systems capable of storing, retrieving, correlating, analyzing, and displaying geographic information. This includes purchases of equipment needed by the MTPO for storing data and for display purposes for various visualization techniques.
- Continual updating of JC MTPO website to provide up to date information and enhanced access to transportation planning products to the public and MTPO member agencies.
- TDOT will also continue to collect traffic count data at established stations, special traffic counts may be conducted by the local agencies within the MTPO area.
- Updating/maintenance of data for GIS analysis and advanced visualization techniques for the JC MTPO website.

- Utilize professional services to assist in data collection, organization, traffic count collection, and maintenance of GIS databases, as needed for work on LRTP update and TIP as needed.
- Maintain the database for TransCAD model, economic data, and population data for the future LRTP and TIP. This would include the purchase of databases if available.
- Review/monitor state functional classification system for JC MTPO area.

TDOT

Continue to collect annual traffic data. Conduct special traffic counts as needed for planning and design projects. Maintain accident file and furnish high hazard listings and other safety data as required. Travel time studies will be conducted if needed for special studies.

Products:

JC MTPO

- Local and regional population and land use data
- Employment data for traffic analysis zones
- The JC MTPO website (www.jcmpo.org)
- Updating of GIS software and other software needed to keep database current.
- Develop maps of urbanized area, study area, demographics, functional classification and other maps as needed.
- Database management for the travel demand model.

TDOT

- Traffic counts (including peak hour volumes, vehicle classification, directional distribution, etc)
- VMT
- Accident data

Work Schedule:

JC MTPO

All work is on a continual basis.

TDOT

Permanent count data collected and computed for computer storage weekly. Annual cycle counts are taken between the months of September- November. Other special counts will be conducted as needed. Accident data coded and stored on a daily basis.

SAFETEA-LU Factors Considered: All SAFETEA-LU factors are considered while collecting and analyzing data.

A2 Data Inventories

PL112	Local	MTPO total	SPR	State SPR Match	State SPR Total	Total
\$16,000	\$4,000	\$20,000	\$11,888	\$2,972	\$14,860	\$34,860

Task B

Long Range Transportation Plan - Maintenance (PL 112)

Responsible Agencies: TDOT Planning Division; JC MTPO

Purpose: (JC MTPO & TDOT) to provide a continuously updated comprehensive transportation plan that will provide for the long-range transportation needs of the urbanized area.

Previous Work: Work began on updating the LRTP during FY 2011. Adjustments and amendments were done as needed to the current LRTP.

Study Design:

JC MTPO & TDOT

- During Fiscal Year 2012, data collection, information gathering, and meetings will be held for the LRTP with a final draft scheduled for August of 2012 and final adoption before March 2013.
- Utilize professional services to assist/lead in data collection, plan organization, traffic count collection, plan update, and travel demand model development, freight impacts, any potential impacts of future air quality regulations, and maintenance of GIS databases the 2035 LRTP Update.
- Update the current LRTP as need or required until the LRTP 2035 Update is approved.

JC MTPO

- Attend any workshops or class that may be beneficial for updating future LRTP.
- Develop standardized methodology and data warehousing techniques for data to be used for maintenance of the LRTP and other projects.
- Analyze transit projects with JCT Planners.
- Assess current air quality standards. If future air quality standards change and affect the JC MTPO area, the JC MTPO will update/develop necessary plans, models, and documents to make the JC MTPO area air quality complaint. (At the current time the JC MTPO's status is attainment).

Products: (JC MTPO & TDOT) Final Draft of the Johnson City Long-Range Transportation Plan Update by August 2012 and any LRTP updates they may be required before the LRTP 2035 Update is complete.

SAFETEA-LU Factors Considered: All SAFETEA-LU factors are considered during the development of the Long Range Transportation Plan.

B. Long Range Transportation Plan Maintenance

PL112	Local	MTPO total	SPR	State SPR Match	State SPR Total	Total
\$120,000	\$30,000	\$150,000	\$26,577	\$6,644	\$33,221	\$183,221

Task C

Transportation Improvement Program (PL 112) - Maintenance

Responsible Agency: JC MTPO, JCT

Purpose: To prepare and maintain an accurate, timely, and financially constrained Transportation Improvement Program.

Previous Work:

- 2011-2014 TIP was completed.
- Adjustments and amendments were completed as needed.

Study Design:

- To maintain the accuracy of the FY 2011-2014 TIP through amendments and adjustments when necessary while maintaining fiscal constraint.
- Coordinate TIP projects with local, state, and federal agencies.

Products: A four year program of transportation related projects that are prioritized and financially constrained and amended or adjusted as needed. Annual listing of projects will be made available using the same guidelines as the TIP.

Work Schedule: This is a continuous project.

SAFETEA-LU Factors Considered: All SAFETEA-LU factors will be considered during the development and maintenance of the TIP.

Task C TIP

PL112	Local	MTPO total	SPR	State SPR Match	State SPR Total	Total
\$6,400	\$1,600	\$8,000	\$0	\$0	\$0	\$8,000

Task D

Public Transportation Planning (Section 5303)

Responsible Agencies: JCT, JC MTPO TDOT, FTA

Purposes: To collect, analyze and store data necessary for conducting a viable transit planning process. To administer funds, coordinate planning activities, and to encourage citizen knowledge and awareness of public and private transit services.

Previous Work: Certain data sets are available from previous transit studies and surveys and the 2000 Census. The Johnson City Transit System maintains records of ridership, fare revenue, and cost by route. The JC MTPO collects census data information to assist in the development of plans including the maintenance of the LRTP and TIP. The JC MTPO in coordination with TDOT completed the regional ITS architecture for the MTPO Study Area. As part of the approved architecture JCT projects were identified, ranked and funding sources identified. A complete copy of the architecture and deployment plan is available at the MTPO office and on the MTPO website at <http://www.jcmpo.org/jcits.htm>. The JC MTPO also conducts public participation for TIP and LRTP transit projects.

Study Design: Pertinent factors have been identified for data collection, including elderly, disabled, and low-income socio-economic patterns, population density, financial costs and revenues, and ridership characteristics.

- Data will be collected and analyzed for use by local, state, and federal agencies.
- Data collection and analysis techniques include patron surveys, GIS analysis, driver reports, and other methods.
- Activities associated with DBE, EEO, and Title VI programs, and specialized programs for the elderly and disabled including programs associated with the Americans with Disabilities Act will be ongoing throughout the year.
- Data and planning work associated with the Transit Development Plan/Program activities as defined by TDOT, and data, planning, reporting, and maintenance/management systems/programs (for public transportation facilities and equipment) as required by FTA under SAFETEA-LU will also be continuing work efforts.
- Coordination with Intelligent Transportation Systems projects is a continuing activity. While individual projects are the responsibility of the appropriate agency (i.e. AVL tracking and scheduling for transit) the JC MTPO will ensure they are included in the ITS architecture and deployment plan.
- The JC MTPO will continue to assist with TIP and LRTP additions, amendments, adjustments, and public participation.
- This will also include sections of the LRTP update that include Johnson City Transit and the Human Services Coordination Plan update.

Product: A usable database for input into transit planning studies, DBE, EEO, and Title VI update reports, National Transit Database (NTD) reports. Evaluation and coordination of various multi-modal transportation activities in the Johnson City Urbanized Area.

Work Schedule: This is a continuous work activity with various reporting due dates throughout the year.

SAFETEA-LU Factors Considered: All SAFETEA-LU factors are considered while developing transit projects.

D. Transit Administration & Database

Sec 5303 Federal	Local	State	MTPO total	SPR	State SPR Match	State SPR Total	Total
\$34,913	\$4,364	\$4,364	\$43,641	\$0	\$0	\$0	\$43,641

Task E

Master Plan for the “Rails to Trails” Project – Johnson City

Responsible Agency: City of Johnson City

Purpose: To develop a Master Plan for converting the existing rail line from near Stateline Road in Elizabethton to Alabama Street in Johnson City along the old East Tennessee Railway Corporation. The Master Plan will address and assist with various issues such as safety, security, accessibility, accepted uses, development costs, and provide an overall guide for trail development. This project will function to enhance the “livability” of the Johnson City MTPO region. The rail line was purchased by the City of Johnson City through the Surface Transportation Board’s “Rails to Trails” program.

Previous Work: New project

Study Design: To utilize professional services to look at the impact of a potential rails to trails project. Develop overall goals and objectives for the master plan. Examine safety, cost, privacy, maintenance, construction cost, legal issues, community impact, business impact, impacts to neighborhoods, ROW issues, existing bridges, examine trail uses, and the awareness of sustainable and livable communities.

Products: To deliver an unbiased master plan that outlines all aspects of the rail corridor project.

Work Schedule: One year

SAFETEA-LU Factors Considered: All SAFETEA-LU factors will be considered during the development of the rail corridor study.

Task E Johnson City Rail Study

PL112	Local	MTPO total	SPR	State SPR Match	State SPR Total	Total
\$80,000	\$20,000	\$100,000	\$0	\$0	\$0	\$100,000

Budget Summary

Table I									
Funding Sources- Johnson City Urban Area									
Fiscal Year 2012									
		FEDERAL HIGHWAY ADMINISTRATION				FEDERAL TRANSIT ADMINISTRATION			
			LOCAL		STATE		TDOT	LOCAL	
	TASK	PL	MATCH	SPR	MATCH	5303	MATCH	MATCH	TOTAL
	A1. Administration	\$57,200.00	\$14,300.00	\$9,934.00	\$2,484.00	\$0.00	\$0.00	\$0.00	\$83,918.00
	A2. Data Inventories	\$16,000.00	\$4,000.00	\$11,888.00	\$2,972.00	\$0.00	\$0.00	\$0.00	\$34,860.00
	B. LRTP	\$120,000.00	\$30,000.00	\$26,577.00	\$6,644.00	\$0.00	\$0.00	\$0.00	\$183,221.00
	C. TIP	\$6,400.00	\$1,600.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,000
	D. Transit Admin. & Data Base	\$0.00	\$0.00	\$0.00	\$0.00	\$34,913.00	\$4,364.00	\$4,364.00	\$43,641
	E. Johnson City/ Rail Study	\$80,000.00	\$20,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$100,000
	TOTAL	\$279,600	\$69,900	\$48,399	\$12,100	\$34,913	\$4,364	\$4,364	\$453,640

Budget Summary

TABLE II			
Agency Participation- Johnson City Urban Area			
FISCAL YEAR 2012			
TASK	TDOT/SPR	MPO	TOTAL
A1. Administration	\$ 12,418.00	\$ 71,500.00	\$ 83,918
A2. Data Inventories	\$ 14,860.00	\$ 20,000.00	\$ 34,860
B. Long Range Planning	\$ 33,221.00	\$ 150,000.00	\$ 183,221
C. TIP	\$ -	\$ 8,000.00	\$ 8,000
D. Transit Admin. & Data Base	\$ -	\$ 43,641.00	\$ 43,641
E. Johnson City Rail Study	\$ -	\$ 100,000.00	\$ 100,000
TOTAL	\$ 60,499.00	\$ 293,141.00	\$ 453,640

Appendix A

Criteria for Project Selection - TIP

The JCMTPPO considered several factors that were important to the MTPO area. They are as follows: clean air, existing plans, and the aging population, maintaining existing roads, the State Long Range Transportation Plan, growth areas, connectivity, rail, Title VI, economic development, transportation mode choices, route choices, congestion and safety. These factors were then used to develop criteria for the selection of projects for Local STP funding. The Executive Staff reviews the projects submitted for Local STP funding. They then rank the projects using weighted criteria (see below) and develop a recommendation for the Executive Board. The Executive Board will adopt the ranking of the projects if they feel the ranking is suitable. The Executive Board may chose to amend or reorder the ranking of the projects before adopting.

CONSISTENCY WITH PLANS

In previous TIP or related project in TIP	15
Consistent with growth plan/land use plans.....	8

CONGESTION MANAGEMENT

Reduces/manages travel demand (TDM)	8
Improves traffic operations	10
Transit capital improvement	2
Alternative Mode (incl. Bike/ped and other modes)	5
Intelligent Transportation System (ITS) project	2

TRAFFIC CIRCULATION

Improves access to major hwys.	5
Provides/enhances connection between modes	4
Enhances connectivity of street network.....	14

ECONOMIC DEVELOPMENT

Improves facility for freight movement (air, distribution, rail)	2
Enhances economic development investments	10

AIR QUALITY

Promotes positive effect on air quality	2
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SAFETY MANAGEMENT

Promotes safety	7
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VALUE ADDED

Match greater than minimum required	2
ROW was donated, eng. already complete, etc.	4
Total	100
