

# 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.”

Fiscal Year 2010

\*Si usted necesita este documento resumido en español contacta por favor al Coordinador del MTPO.  
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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
ITS	Intelligent Transportation Systems
JC	City of Johnson City
JCT	Johnson City Transit
LPA	Office of Local Planning Assistance
LRTIP	Long Range Transportation Plan
MPO	Metropolitan Planning Organization
MTPO	Metropolitan Transportation Planning Organization <sup>i</sup>
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
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 <sup>st</sup> Century
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

<sup>i</sup>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). 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>
<b>FHWA (PL 112)</b>	80%		20%
<b>FTA (5303)</b>	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, and FTA. 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.

**Priorities for Fiscal Year 2010:** The overall UPWP for FY-2010 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.

1. Continue to rebuild the GIS capabilities and associated databases for the Johnson City MTPO Study Area.
2. Maintain an enhanced traffic count program throughout the MTPO Study Area.
3. Maintain and build for the current and future Long Range Transportation Plan and Transportation Improvement Program.
4. Monitor air quality to prepare for potential impacts of new regulations.

## Johnson City MTPO Study Area

The Johnson City MTPO urban area consists of Johnson City, Elizabethton, Jonesborough, as well as portions of Washington, Carter and a small portion of the Town of Unicoi. 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

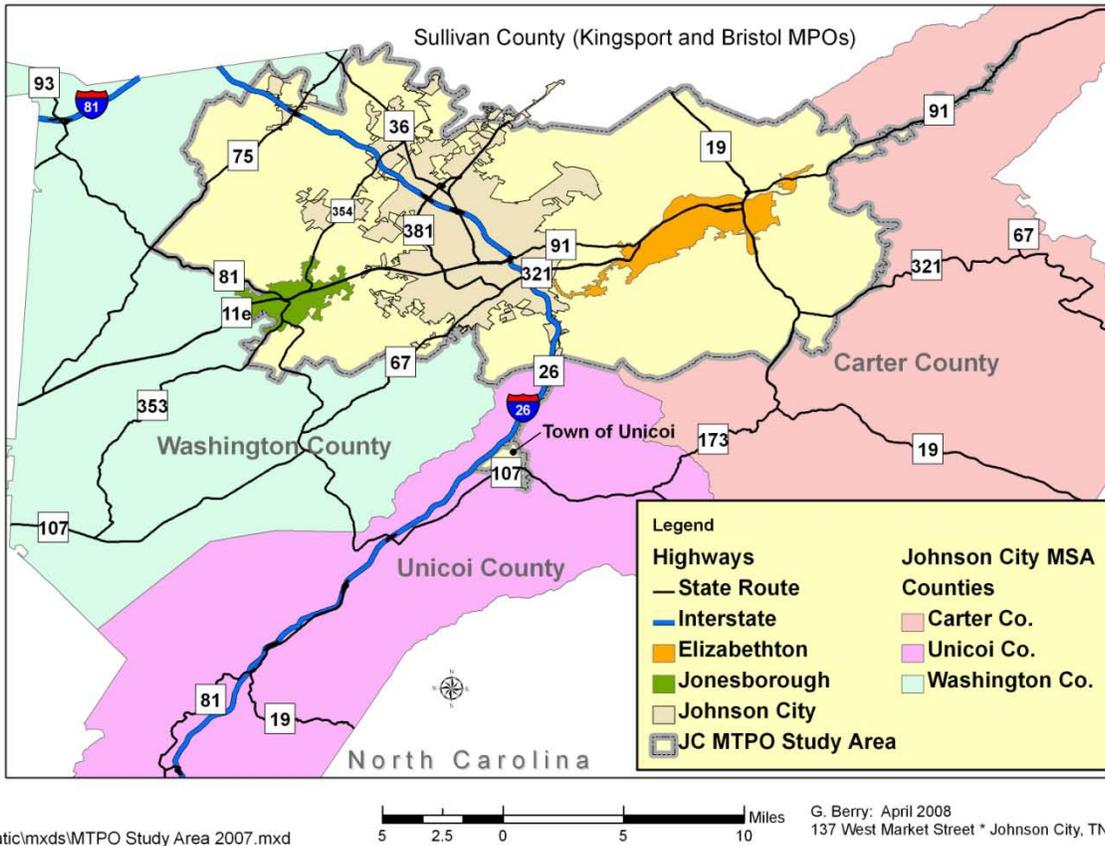


Figure 1

### 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 Agency (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 - Member
- 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.

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

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 employees a Project Manager who is responsible for tracking individual projects for the MTPO and assists with MTPO operations. The Project

Manager reports directly to the Coordinator and works with individual agencies regarding the implementation of projects. The MTPO is a Division of the Johnson City Planning Department.

The MTPO shares a planning position with Johnson City Transit. This position is responsible with working with MTPO staff and JCT staff on Title VI, Environmental Justice (EJ), Disadvantage Business Enterprise (DBE), and Public outreach.

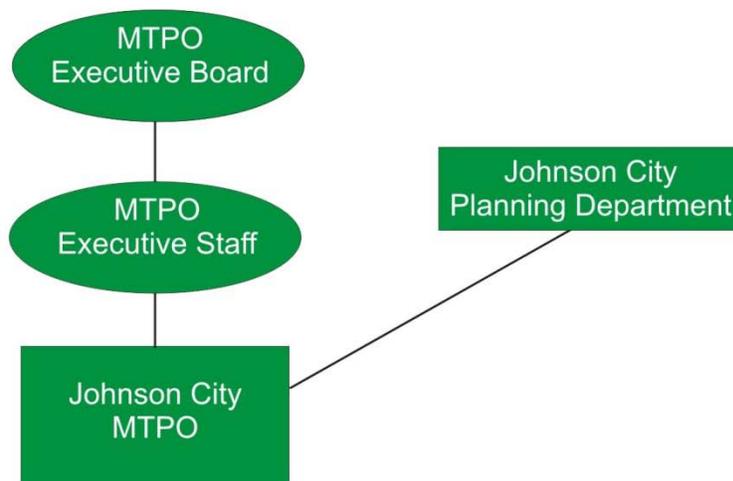
## Johnson City

Figure 2

# Metropolitan Transportation Planning Organization

## Public

## Organizational Chart



## 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 and comments are recorded.

## 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 quarterly Title VI conference calls with TDOT. All projects using federal highway trust funds for the MTPO comply with Title VI, Environmental Justice and the American 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 Title VI department in 2008.

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 the fall of 2011.

**SAFETEA-LU Planning Factors:**

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 agreed to work jointly on projects when applicable.
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 to be included are traffic pre-emption devices for emergency vehicles, pedestrian crossings where viable, improved bicycle trails, and work with local law enforcement agencies to identify and reduce transportation safety hazards.
3. Increase the security of the transportation system for motorized and non-motorized users; for highway security, ITS monitoring systems (cameras) are being planned at key highway intersections to aid in transportation security. Additionally the Johnson City MTPO is working with the Washington County Emergency Management Agency transportation security awareness. Specifically, a Highway Incident Management Team has been established per TDOT Incident Management program. The team will review transportation security and safety issues and promote TDOT's HELP program.
4. Increase the accessibility and mobility of people and for freight; The Johnson City MTPO will work with all local governments in the region maintain and update the long range transportation plan. Additionally, the MTPO will work with the local short line railroad to enhance freight movement in the region.
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; In an effort to reduce pollution and protect the environment, the City of Johnson City has converted its entire diesel fleet, including the Johnson City Transit fleet, to bio-diesel fuel at level "B20" (20% bio-diesel). The JC MTPO will promote this activity to throughout the MTPO region. The Johnson City MTPO will work with state and local governments and agencies to coordinate transportation projects in a consistent and environmentally sound manner.
6. Enhance the integration and connectivity of the transportation system across and between modes, for people and freight; The Johnson City MTPO will coordinate activities the Kingsport and Bristol MPOs through regional meetings promoting regional transportation projects.

7. Promote efficient system management and operation; The Johnson City MTPO is responsible for coordination of Intelligent Transportation Systems projects. In partnership with the TDOT Long Range Planning Division, the MTPO will be responsible for maintenance of the ITS regional architecture. The architecture promotes the efficient use of technology to improve transportation management systems and operations.
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. To assist in this goal MTPO will continue to develop its Geographic Information Systems (GIS) capabilities and use it for a transportation analysis tool for planning in the MTPO Region.

The matrix on the next page summarizes the planning factors that are addressed in each task of the UPWP. A detailed description of each task is provided on the pages following the planning factor matrix.

	Task A1.	Task A2.	Task B.	Task C.	Task D.	Task E.	Task F
Economic Vitality	X	X	X	X	X	X	X
System Safety	X	X	X	X	X	X	X
System Security	X	X	X	X	X	X	X
Accessibility & Mobility	X	X	X	X	X	X	X
Enhance Environment	X	X	X	X	X	X	X
Integration & Connectivity	X	X	X	X	X	X	X
System Mgmt. & Operations	X	X	X	X	X	X	X
System Preservation	X	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 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 2009 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 2010:**

##### JC MTPO

- 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 (2011 UPWP and Quarterly Reports).
- Check for effectiveness of the PPP and make modifications if needed.
- Attend meetings of the MTPO organization, RPO, local, regional, state, and federal sponsored meetings related to transportation planning as needed.
- Establish and maintain good working relationships with local organizations.
- Prepare and maintain MTPO committee contact lists, media lists, and other lists as needed.
- 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 license for Travel Demand Model, Geographic Information Systems (GIS) and Global Position System (GPS) data collection units and visualization software such as Google Earth Pro, Website development software, and other graphic packages.
- Includes all office supplies for day to day use.

##### TDOT

The Planning Division/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 Public Transportation, Waterways and Rail Division will administer correspondence and telephone contacts regarding river transportation, urban public transit, rail service, ridesharing, and transportation systems management. 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 2011 UPWP
- An approved 2010 State Title VI report
- Evaluate and maintain plans as needed, including ITS project updates, Public Participation Plan, TIP Amendments, 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 09	Nov 09	Dec 09	Jan 10	Feb 10	Mar 10	Apr 10	May 10	Jun 10	Jul 10	Aug 10	Sept 10
<b>Billing</b>	x			x			x			x		
<b>UPWP</b>					d					a		
<b>Title VI (State requirements)</b>											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
\$40,800	\$10,200	\$51,000	\$9,646	\$2,411	\$12,057	\$63,057

## **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, RFP'S, and upcoming events available for public viewing.

**TDOT** Traffic volumes are collected annually at throughout the MTPO area. 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**

- Collect traffic, freight, bicycle and pedestrian facilities, population, land use, and socioeconomic data.
- To prepare for the 2010 Census, 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.
- 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.
- Continual updating of JC MTPO website to provide 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 interns and other professional services to assist in data collection, organization, traffic counts, and maintenance of GIS databases, as needed for work on future LRTP and TIP.
- 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 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 to be made in September- November 2010. 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
\$24,456.20	\$6,114.05	\$30,570.25	\$11,539	\$2,885	\$14,424	\$44,994.25

## **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:** The long range plan was adopted on March 18, 2008. Adjustments and amendments were done as needed.

**Study Design:**

**JC MTPO & TDOT**

During Fiscal Year 2010, maintenance of LRTP will continue. This will contain any adjustments or amendments. Monitor air quality standards.

**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 is attainment).

**Products:** (JC MTPO & TDOT) Update the Johnson City Long-Range Transportation Plan as needed.

**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
\$10,292	\$2,573	\$12,865	\$25,797	\$6,449	\$32,246	\$45,111

## 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:**

- The current and previous TIPs.
- Adjustments and amendments were completed as needed.

**Study Design:**

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

**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. The development of a FY-2011-2014 TIP will be completed during FY 2010.

**Work Schedule:** This is a continuous project.

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

### **Task C TIP**

PL112	Local	MTPO total	SPR	State SPR Match	State SPR Total	Total
\$32,000	\$8,000	\$40,000	\$0	\$0	\$0	\$40,000

## **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, handicapped and 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 and other methods. Activities associated with DBE/WBE programs, specialized programs for the elderly and handicapped including programs associated with the Americans with Disabilities Act, and the private enterprise initiatives programs will be ongoing throughout the year. Data and planning work associated with the Transit Development Plan/Program activities as defined by TDOT and management systems for public transportation facilities and equipment required 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.

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

**Work Schedule:** This is a continuous work activity. The Title VI update will be completed during the third quarter.

**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
\$54,797.05	\$6,849.63	\$6,849.63	\$68,496.31	\$0	\$0	\$0	\$68,496.31

**Task E.**

**Elizabethton/Carter County Transportation Model Refinement**

**Responsible Agencies:** City of Elizabethton, JC MTPO

**Purposes:** To evaluate the existing conditions including land-use and transportation patterns in the eastern sections of the MTPO Region (Elizabethton and Carter County), which is experiencing and increase of growth placing increased demands on the transportation system.

**Previous Work:** This task was previously included as a task in the 2009 UPWP. Due to higher priorities, on the Long Range Transportation Plan and Transportation Improvement Program, the Johnson City Intelligent Transportation System Project, new procurement procedures being developed by the Federal Highway Administration and Tennessee Department of Transportation, and most recently with the time critical need for implementing projects with the American Recovery and Reinvestment Act of 2009 the task was postponed until late 2009.

**Study Design:** Gather and analyze existing data, land use, the road system and identify traffic deficiencies, assisting the analysis for the Elizabethton Connector and recent revitalization of new businesses SR 67, locally referred to as the “Elk and Broad Commercial Corridor” that is the only east-west corridor connecting Elizabethton and Carter County to the rest of the MTPO Region. And incorporate new areas of the MTPO boundary. This would bring this portion of the MTPO area up to the same level as Johnson City and Washington County portions.

**Product:** Improve traffic analysis with recommendations for traffic congestion due to recent commercial and residential growth. The data from this study will be used in the development of the TIP and LRTP.

**Work Schedule:** To be completed by during FY 2010.

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

Federal (PL 112)	Local (Elizabethton)	MTPO Total	SPR	State SPR Match	State SPR Total	Total
\$57,600	\$14,400	\$72,000	\$0	\$0	\$0	\$72,000

## Budget Summary

<b>Table I</b>									
<b>Funding Sources- Johnson City Urban Area</b>									
<b>Fiscal Year 2010</b>									
	<b>FEDERAL HIGHWAY ADMINISTRATION</b>				<b>FEDERAL TRANSIT ADMINISTRATION</b>				
<b>TASK</b>	<b>PL</b>	<b>LOCAL MATCH</b>	<b>SPR</b>	<b>STATE MATCH</b>	<b>5303</b>	<b>TDOT MATCH</b>	<b>LOCAL MATCH</b>	<b>TOTAL</b>	
<b>A1. Administration</b>	\$40,800.00	\$10,200.00	\$9,646.00	\$2,411.00	\$0.00	\$0.00	\$0.00	<b>\$63,057.00</b>	
<b>A2. Data Inventories</b>	\$24,456.20	\$6,114.05	\$11,539.00	\$2,885.00	\$0.00	\$0.00	\$0.00	<b>\$44,994.25</b>	
<b>B. LRTP</b>	\$10,292.00	\$2,573.00	\$25,797.00	\$6,449.00	\$0.00	\$0.00	\$0.00	<b>\$45,111.00</b>	
<b>C. TIP</b>	\$32,000.00	\$8,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	<b>\$40,000</b>	
<b>D. Transit Admin. &amp; Data Base</b>	\$0.00	\$0.00	\$0.00		\$54,797.05	\$6,849.63	\$6,849.63	<b>\$68,496</b>	
<b>E. Eliz. Land Use Trans. Study</b>	\$57,600.00	\$14,400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	<b>\$72,000</b>	
<b>TOTAL</b>	<b>\$165,148.20</b>	<b>\$41,287.05</b>	<b>\$46,982.00</b>	<b>\$11,745.00</b>	<b>\$54,797.05</b>	<b>\$6,849.63</b>	<b>\$6,849.63</b>	<b>\$333,658.56</b>	

## Budget Summary

<b>TABLE II</b>			
<b>Agency Participation- Johnson City Urban Area</b>			
<b>FISCAL YEAR 2010</b>			
<b>TASK</b>	<b>TDOT/SPR</b>	<b>MPO</b>	<b>TOTAL</b>
<b>A1. Administration</b>	\$ 12,057.00	\$ 51,000.00	\$ 63,057.00
<b>A2. Data Inventories</b>	\$ 14,424.00	\$ 30,570.25	\$ 44,994.25
<b>B. Long Range Planning</b>	\$ 32,246.00	\$ 12,865.00	\$ 45,111.00
<b>C. TIP</b>	\$ -	\$ 40,000.00	\$ 40,000.00
<b>D. Transit Admin. &amp; Data Base</b>	\$ -	\$ 68,496.31	\$ 68,496.31
<b>E. Elizabethton Land Use Transportation Study</b>	\$ -	\$ 72,000.00	\$ 72,000.00
<b>TOTAL</b>			<b>\$ 333,658.56</b>

## Budget Summary

**TABLE III  
AGENCY PARTICIPATION BY FUNDING SOURCE  
FISCAL YEAR 2010**

		FEDERAL HIGHWAY ADMINISTRATION				FEDERAL TRANSIT ADMINISTRATION			
AGENCY	TN PL	LOCAL MATCH	TN SPR	TDOT MATCH	TN 5303	TDOT MATCH	LOCAL MATCH	TOTAL	
TDOT - PD	\$ -	\$ -	\$ 46,982.00	\$ 11,745.00	\$ -	\$ -	\$ -	<b>\$ 58,727</b>	
MPO	<b>\$ 165,148.20</b>	<b>\$ 41,287.05</b>	\$ -	\$ -	<b>\$ 54,797.05</b>	<b>\$ 6,849.63</b>	<b>\$ 6,849.63</b>	<b>\$ 274,932</b>	
<b>TOTAL</b>	<b>\$ 165,148.20</b>	<b>\$ 41,287.05</b>	<b>\$ 46,982.00</b>	<b>\$ 11,745.00</b>	<b>\$ 54,797.05</b>	<b>\$ 6,849.63</b>	<b>\$ 6,849.63</b>	<b>\$ 333,658.56</b>	

## Appendix A

### Criteria for Project Selection - TIP

The JCMTPO 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
<b>Total</b> .....	<b>100</b>

## **Appendix B**

### **Transportation Planning Report Request (TPR) for the Johnson City MTPO Study Area**

To achieve the goals of relieving congestion, improving safety and promoting economic development; and to achieve the long term goal of improving overall traffic flow along the I-26 corridor through Johnson City / Washington County, the Johnson City MTPO is requesting Transportation Planning Reports to be conducted by TDOT at the following locations;

1. Exit 17 (SR 354 @ I-26) locally referred to as Boones Creek Road @ I-26; and
2. Exit 13 (SR 75 @ I-26) locally referred to as Suncrest and Bobby Hicks @ I-26; and
3. Exit 24 (SR 67 @ I-26) locally referred to as University Parkway @ I-26.

The reports requested should analyze the interchanges along I-26 through Johnson City / Washington County and make recommendations on design changes to improve traffic flow, capacity and safety. These requests are ranked by order of their priority.

# I-26 Exits 17, 13, and 24 - Washington County, TN



**Routes**

- INTERSTATE
- US / State Routes
- Railroads
- County\_Boundary

Interchanges to be studied

G. Berry 2007

Johnson City MTPO  
Transportation  
Planning

**Location Map**

f:\static\mxd\1251PR

**Appendix C**  
Signed Resolution

**RESOLUTION OF THE EXECUTIVE BOARD OF THE JOHNSON CITY METROPLITAN TRANSPORTAITON PLANNING ORGANIZATION (MTPO)**

**TO AMEND**

**THE FY 2010 UNIFIED PLANING AND WORK PROGRAM (UPWP) TO REFLECT RESCINDED FUNDS**

**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 and 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 2010;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 2010;and

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

**Whereas**, an amendment was required to the FY 2010 UPWP due to a federal rescission of transportation planning funds; and

**NOW THEREFORE**, be it resolved the Executive Board of the Johnson City Metropolitan Transportation Planning Organization does amend the FY 2010 UPWP to show the rescission of transportation planning funds.

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MTPO Executive Board, Chairperson

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Date

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MTPO Executive Staff, Chairperson

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Date

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