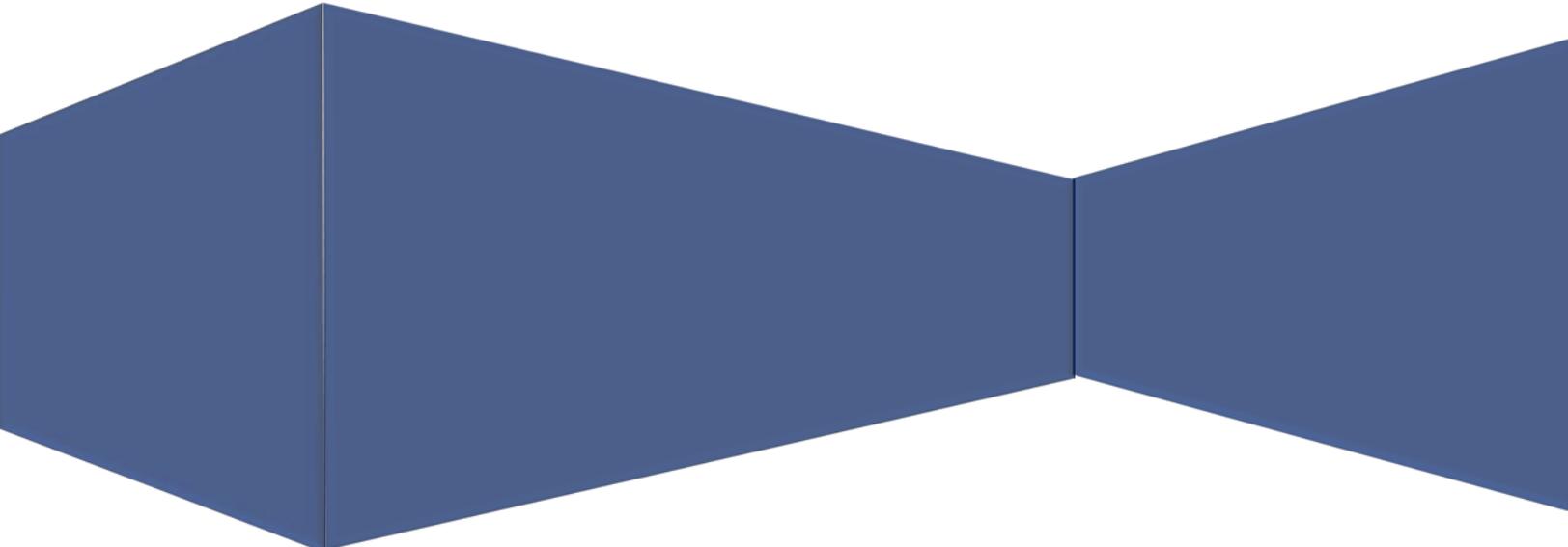


Unified Planning Work Program

Federal Fiscal Year 2019
October 1, 2018 to September 30, 2019



Adopted August 23, 2018

This Unified Planning Work Program was developed by the Johnson City MTPO, in cooperation with:

U.S. Department of Transportation

Federal Highway Administration

Federal Transit Administration

Tennessee Department of Transportation

An electronic copy of this document can be found on our website at <http://jcmpo.org/upwp.html>.

If you need this document translated into Spanish or another language, please contact the MTPO Coordinator, by phone at (423) 434-6272 or email at jcmpo@jcmpo.org.

Spanish Translation of the above statement:

Si usted necesita este document resumido en espanol contacta por favor al Coordinador del MTPO. Numero de telefono (423) 434-6272, correo electronico: jcmpo@jcmpo.org.

The Johnson City Metropolitan Transportation Planning Organization (MTPO) ensures compliance with Title VI of the Civil Rights Act of 1964; 49 CFR, part 26; related statutes and regulations to the end that no person shall be excluded from participation in or be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance from the U.S. Department of Transportation on the grounds of race, color, sex or national origin.

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**RESOLUTION OF THE EXECUTIVE BOARD OF THE JOHNSON CITY METROPOLITAN TRANSPORTATION
PLANNING ORGANIZATION TO APPROVE AND ADOPT
THE FISCAL YEAR 2019 UNIFIED PLANNING WORK PROGRAM**

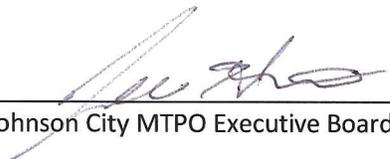
WHEREAS, a comprehensive, cooperative, and continuing transportation process is to be carried out in the Johnson City Metropolitan Planning Area; and

WHEREAS, under federal planning guidelines, Metropolitan Planning Organizations 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 Metropolitan Transportation Planning Organization (MTPO) Metropolitan Planning Area (MPA) for Fiscal Year 2019; and

WHEREAS, the various state, local and regional agencies involved with transportation planning for the Johnson City MTPO MPA have cooperatively developed a UPWP for Fiscal Year 2019; and

WHEREAS, the staff of the Johnson City MTPO, Tennessee Department of Transportation, Federal Highway Administration and Federal Transit Administration have reviewed the Fiscal Year 2019 UPWP and found it satisfies federal requirements; and

NOW, THEREFORE, BE IT RESOLVED the Johnson City MTPO Executive Board does hereby approve and adopt the Fiscal Year 2019 UPWP.



Johnson City MTPO Executive Board Chairman

8-23-2018

Date



Johnson City MTPO Executive Staff Chairman

8/23/18

Date

List of Abbreviations

ADA	Americans with Disabilities Act
AMPO	Association of Metropolitan Planning Organizations
CFR	Code of Federal Regulations
CPG	Consolidated Planning Grant
COOP	Continuity Of Operations Planning
EDC	Every Day Counts
EPA	Environmental Protection Agency
ETRIMS	Enhanced Tennessee Roadway Information Management System
FAST Act	Fixing America's Surface Transportation Act
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY	Fiscal Year
GIS	Geographic Information Systems
GPS	Global Positioning System
ITS	Intelligent Transportation Systems
JCT	Johnson City Transit
LRPD	Long Range Planning Division
L RTP	Long Range Transportation Plan (State)
MAP-21	Moving Ahead for Progress in the 21 st Century Act
MOA	Memorandum of Agreement
MPA	Metropolitan Planning Area
MPO	Metropolitan Planning Organization
MTP	Metropolitan Transportation Plan
MTPO	Metropolitan Transportation Planning Organization
PEL	Planning and Environmental Linkages
PL 112	Section 112 of the Federal-Aid Highway Act of 1973 (Public Law 93-87)
PPP	Public Participation Plan
RPO	Rural Planning Organization
Section 5303	U.S. Title 49, Section 5303 (Transit Planning)
SHRP	Strategic Highway Research Program
SPR	State Planning and Research Funds
TAM	Transit Asset Management
TDOT	Tennessee Department of Transportation
TIP	Transportation Improvement Program
TITAN	Tennessee Integrated Traffic Analysis Network
TNMUG	Tennessee Model Users Group (Travel Demand Model)
TPM	Transportation Performance Management
TSMO	Transportation System Management and Operations
UPWP	Unified Planning Work Program
USC	United States Code
U.S. DOT	United States Department of Transportation
VMT	Vehicle Miles Traveled

Introduction

The Johnson City Metropolitan Transportation Planning Organization (MTPO) was established in 1982 when the 1980 Census identified the Johnson City Urbanized Area (urban areas with a population of at least 50,000). Federal law requires the Johnson City MTPO to conduct transportation planning activities within the Johnson City Urbanized Area in a continuous, cooperative, and comprehensive process, as defined in the following federal legislation and regulations:

- Current Transportation Authorization – Fixing America’s Surface Transportation (FAST) Act;
- Past Transportation Authorization – Moving Ahead for Progress in the 21st Century (MAP-21) Act;
- Metropolitan Transportation Planning – Title 23 of the United States Code (USC), Section 134;
- Formula Grant Program for Metropolitan Planning – Title 49 of the USC, Section 5303;
- Metropolitan Transportation Planning and Programming – Title 23 of the Code of Federal Regulations (CFR), Section 450; and
- Metropolitan Transportation Planning and Programming – Title 49 of the CFR, Section 613, Subpart A.

In order to carry out these duties, the Johnson City MTPO staff develops a work program in the form of a document called the Unified Planning Work Program, or UPWP as it is often referred to by transportation professionals. This UPWP covers Federal Fiscal Year (FY) 2019, beginning on October 1, 2018 and ending on September 30, 2019.

The UPWP is developed by the Johnson City MTPO staff in conjunction with its member jurisdictions, Tennessee Department of Transportation (TDOT), Federal Highway Administration (FHWA), Federal Transit Administration (FTA) and Johnson City Transit (JCT). The draft UPWP is then 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 Executive Board meeting is advertised at least seven days before the meeting. Then, the adopted UPWP is forwarded to TDOT and approved by FHWA and FTA.

The UPWP identifies tasks ranging from data collection tasks to plan development. Perhaps the two most important tasks in the UPWP are the maintenance of the Johnson City MTPO 2045 Metropolitan Transportation Plan (MTP) and the development of the next Transportation Improvement Program (TIP).

In addition to the development and maintenance of these two tasks, the UPWP identifies ongoing administrative activities and special projects or programs being undertaken by the Johnson City MTPO. As a result, these three core plans and programs support the “continuing, comprehensive and cooperative” planning process.

On December 4, 2015, the Fixing America’s Surface Transportation Act, or FAST Act, was signed by the President and became federal law. It superseded the Moving Ahead for Progress in the 21st Century Act, commonly referred to as MAP-21. The transportation act provides both contract authority and requirements for the Federal Aid Highway Program, which includes transportation activities such as

transportation planning, until the Act expires on September 30, 2020, until and unless superseded by a new law.

One of the requirements of MAP-21 that was continued by the FAST Act is to take a performance-based approach in transportation planning by developing “performance measures” and “performance targets” for transportation. FHWA published the final rule for the Transportation Performance Management in Metropolitan Planning on May 27, 2016, with an effective date of June 27, 2016. Also, the Safety Performance Measures Final Rule was published March 15, 2016, with an effective date of April 14, 2016. The Pavement and Bridge Condition Measures and System Performance Measures final rules were published on January 18, 2017, with an effective date of May 20, 2017.

The intention of the performance-based planning requirement is for the U.S. Department of Transportation (U.S. DOT) to set national performance measures and then the State, MPOs and providers of public transportation in turn set performance targets. The Johnson City MTPO staff will work closely with TDOT and public transit providers to update performance targets in FY 2019 and also work to integrate performance management and reporting into the FY 2020-2023 TIP and FY 2020-2021 UPWP, and if necessary, the 2045 MTP.

Funding

The primary funding source to accomplish tasks identified in the UPWP is provided by two programs. First, the FHWA Section 112 Metropolitan Transportation Planning funds (PL 112) and second, the FTA Section 5303 Transit Planning funds. As with most grants, matching funds are required. Shown in Table 1 below and Table 2 on the next page is the funding program, required matching ratios and the amounts. In FY 2018, funds from FHWA and FTA were combined into a Consolidated Planning Grant (CPG), to be administered by FHWA. In addition to these funding sources, TDOT receives State Planning and Research (SPR) funds from FHWA. TDOT utilizes these funds to assist in transportation planning activities for the Johnson City MTPO. TDOT also receives FTA Section 5304 transit planning funds. Although not allocated locally, the funds are available to assist MPOs and transit agencies across the state with transit planning projects that are submitted to TDOT to be considered for funding.

Tennessee receives a direct apportionment of FHWA Section 112 Metropolitan planning (PL) funds and Federal Transit Administration (FTA) Section 5303 planning funds. TDOT participates in the Consolidated Planning Grant (CPG) Program, where FHWA and FTA planning funds are combined into a single fund administered by FHWA. The funds are distributed to the MPOs and administered by TDOT’s Long Range Planning Division (LRPD) in accordance with 23 CFR 420.109. The PL distribution formula gives each MPO a base amount plus an amount based on their 2010 Census Urbanized Area Population and the formula also retains a small portion for TDOT to use for the benefit of all the MPOs. The distribution formula for the 5303 funds is based on each MPO’s 2010 Census Urbanized Area Population.

The funds originating with FHWA require a 20% local match, resulting in an 80% Federal/20% Local split. The funds originating with FTA also require 20% matching funds. TDOT provides half of the match, resulting in an 80% Federal/10% State/10% Local split.

Table 1 – Funding Sources and Ratios

Funding Program	Program Description	Federal	State	Local
FHWA (PL 112)	Provides funding to the MPOs to establish a cooperative, continuous, and comprehensive framework for making transportation investment decisions in metropolitan areas	80%	0%	20%
FTA (Sec. 5303)	Provides funding and procedural requirements to the MPOs for multimodal transportation planning in metropolitan areas	80%	10%	10%
SPR	Provides funding to the States to establish statewide planning process, which establishes a cooperative, continuous, and comprehensive framework for making transportation investment decisions throughout the State	80%	20%	0%

Table 2 – Transportation Planning Funding Programs, FY 2019

Funding Program	Total	Federal	State	Local
Consolidated Planning Grant (CPG)				
CPG - Federal Highway Administration (80/0/20)				
FHWA (PL 112) (Percentages)	100%	80%	0%	20%
FY 2018 Est. Carryover (includes reserve)	\$438,226	\$355,619	\$0	\$82,607
Plus FY 2019 Est. Allocation	\$274,004	\$219,203	\$0	\$54,801
Total Available Balance for FY 2019	\$712,230	\$574,822	\$0	\$137,408
Minus FY 2019 Programmed Funds	\$500,000	\$400,000	\$0	\$100,000
Est. Carryover into FY 2020	\$212,230	\$174,822	\$0	\$37,408
CPG - Federal Transit Administration (80/10/10)				
FTA (Sec. 5303) (Percentages)	100%	80%	10%	10%
FY 2018 Est. Carryover (includes reserve)	\$62,972	\$50,378	\$6,297	\$6,297
Plus FY 2018 Est. Allocation*	\$62,972	\$50,378	\$6,297	\$6,297
Total Available Balance for FY 2019	\$125,944	\$100,756	\$12,594	\$12,594
Minus FY 2019 Programmed Funds	\$62,972	\$50,378	\$6,297	\$6,297
Est. Carryover into FY 2020	\$62,972	\$50,378	\$6,297	\$6,297

*The Federal FY 2018 allocation of 5303 grant funds will be distributed from the state during FY 2019.

Depending on the task, other funding sources may be used. If so, they are identified in the detail section of each task in the UPWP. However, it should be noted without the FHWA PL 112 and FTA Section 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 its operations. Both of these programs are administered by TDOT with the City of Johnson City providing the local matching funds.

The annual allocation for FHWA PL 112 funds are based on official population numbers from the decennial census conducted by the U.S. Census Bureau for the Johnson City Urbanized Area. The official Johnson

City Urbanized Area population in the 2010 Census is 120,415. This figure will be valid until the U.S. Census Bureau releases new population figures for urbanized areas after the 2020 Census. This usually occurs within two years after the completion of the decennial census.

Johnson City MTPO Focus Areas

The following accomplishments were achieved for the Johnson City MTPO in FY 2018:

- Drafted and adopted a new FY 2019 UPWP;
- Maintained the FY 2017-2020 TIP with amendments and adjustments;
- Published 2017 Annual Listing of Obligated Projects;
- Maintained the electronic TIP database and interactive website;
- Updated the Johnson City MTPO website with a new format to meet the needs of mobile users and accessibility requirements;
- Engaged in public outreach and interagency consultation to comment on the final draft MTP;
- Adopted the new 2045 MTP;
- Worked with TDOT to adopt performance targets for metropolitan planning and safety;
- Worked with TDOT to provide feedback on the state's performance targets for pavement and bridge condition measures;
- Worked with TDOT provide feedback on the state's performance targets for NHS and freight measures;
- The MTPO coordinated with TDOT and JCT to execute a performance targets memorandum of understanding (MOU);
- JCT will provide the MTPO with transit performance targets for state of good repair for state Fiscal Year 2019;
- Completed a Comprehensive Operational Analysis for JCT; and
- Completed the bus procurement package for the purchase of medium-duty buses for JCT.

In addition, technical aspects required to develop and maintain good transportation information must support the transportation planning process. The Johnson City MTPO also supports the policy initiatives in MAP-21 and the FAST Act, as explained further in this document. With this in mind, the Johnson City MTPO has developed the following priorities for FY 2019.

Priorities for Fiscal Year 2019

Priorities for the Johnson City MTPO UPWP first include the required federal documents that must be adopted and maintained in order to comply with federal laws and regulations and remain eligible to receive federal funds for transportation and transit projects. The staff of the Johnson City MTPO also meets with the staff of local jurisdictions and transit agencies to determine other planning needs for the upcoming year. The following represents the major activities for the FY 2019 UPWP:

1. TDOT and Johnson City MTPO will coordinate to review and make recommendations on safety performance targets for the area;

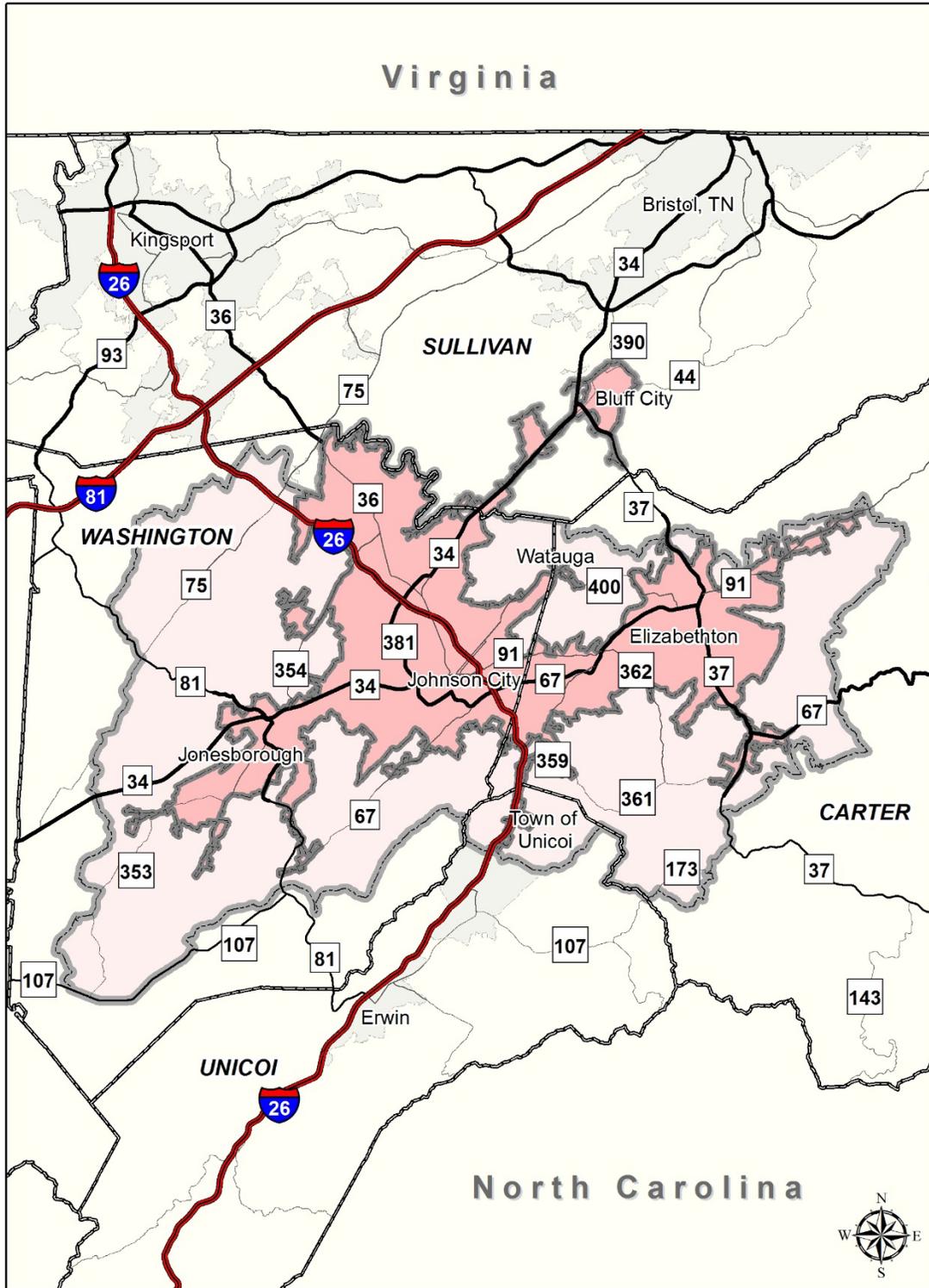
2. TDOT and Johnson City MTPO will coordinate to adopt pavement and bridge condition performance targets for the Johnson City MTPO;
3. TDOT and Johnson City MTPO will coordinate to adopt NHS system and freight (PM3) performance targets for the area;
4. TDOT, Johnson City MTPO, and public transportation providers will coordinate to adopt transit performance targets for state of good repair for state Fiscal Year 2020, along with transit agencies providing the MTPO with reports to the National Transit Database;
5. Maintain the Johnson City MTPO 2045 MTP with amendments as needed, which will require an integration of performance measures and targets;
6. Maintain the current FY 2017-2020 TIP with adjustments as needed; amendments to the current TIP will require an integration of performance measures and targets;
7. Maintain the FY 2019 UPWP through any necessary adjustments or amendments;
8. Maintain the Johnson City MTPO website for public outreach;
9. Develop the FY 2020-2021 UPWP for submission to TDOT, FHWA, and FTA;
10. Draft the FY 2020-2023 TIP by calling for projects from local jurisdictions and TDOT, along with integration of performance measures and targets;
11. Submit the draft FY 2020-2023 TIP for review by TDOT, FHWA, and FTA;
12. Continue to utilize GIS capabilities and databases, including data from the U.S. Census Bureau, Esri Enterprise applications, TransCAD, and ArcGIS Online, to support transportation planning efforts by the Johnson City MTPO; and
13. Monitor air quality regulations to prepare for potential impacts of new regulations from the Environmental Protection Agency (EPA).

Johnson City MTPO Metropolitan Planning Area

The Johnson City MTPO Metropolitan Planning Area (MPA) consists of the Town of Bluff City, the City of Elizabethton, the City of Johnson City, the Town of Jonesborough, a portion of the Town of Unicoi, and parts of Carter, Sullivan and Washington Counties. At a minimum, the MPA boundaries shall encompass the entire existing urbanized area (as defined by the Bureau of the Census) plus the contiguous area expected to become urbanized within a 20-year forecast period for the metropolitan transportation plan. The map in Figure 1 on the next page shows the Johnson City MTPO Urbanized Area, as well as the MPA boundaries for the Johnson City MTPO. The current boundary was adopted by the Johnson City MTPO Executive Board at its meeting on October 9, 2014 and approved by the Governor of the State of Tennessee on December 17, 2014.

Figure 1

Johnson City MTPO MPA Boundary



Legend

- Johnson City 2010 Urbanized Area - Smoothed
- Johnson City MTPO MPA Boundary - October 2014



SCALE 1:400,000



Organizational Structure

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

Executive Board

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

- Mayor of the City of Johnson City – Executive Board Chairman
- Mayor of the City of Elizabethton – Member
- Mayor of the Town of Bluff City - Member
- Mayor of the Town of Jonesborough – Member
- Mayor of the Town of Unicoi – Member
- Mayor of Carter County – Member
- Mayor of Washington County – Member
- Governor of Tennessee – Member
- Tennessee County Highway Officials Association – Chosen Representative – 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 their office, the Governor of Tennessee usually sends a representative to meetings on their behalf. FHWA and FTA are non-voting members of the Executive Board.

- City Manager, City of Johnson City – Executive Staff Chairman
- City Manager, City of Elizabethton – Member
- City Manager, Town of Bluff City – Member
- Administrator, Town of Jonesborough – Member
- Town Recorder, Town of Unicoi – Member
- Highway Superintendent, Carter County – Member
- Highway Superintendent, Washington County – Member
- JCT – Member
- First Tennessee Development District – Member
- TDOT – Member

FHWA and FTA 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.

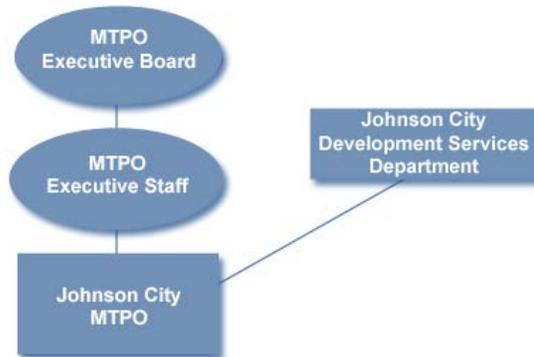
Administrative Staff

The administrative staff of the Johnson City MTPO is housed as a division of the Development Services Department of the City of Johnson City. As required by federal law, the Johnson City MTPO is still

responsible for coordinating transportation planning activities for all its member jurisdictions, as shown in Figure 2 below. The administrative staff is also responsible for ongoing administration and day to day operations for the Johnson City MTPO.

Figure 2

Johnson City MTPO Organizational Chart



Public Participation

In accordance with the Johnson City MTPO Public Participation Plan (PPP), after TDOT, FHWA and FTA have reviewed the UPWP, it is made available on the Johnson City MTPO website at <http://www.jcmpto.org> for review. The UPWP is reviewed and discussed at meetings of the Johnson City Executive Board and Executive Staff and adopted by the Executive Board. The Executive Board meeting is advertised at least seven days in advance. Any comments made are recorded and addressed before the UPWP is adopted. The document is available on the website and copies available at the MTPO administrative offices.

Amendments and Adjustments

The UPWP can be amended throughout the year if needed. An amendment is required if funding for a required task needs to be increased over 20% of the amount programmed for that task, if a new task is added, if new or previously unprogrammed funds are added, if there is a major scope change to an existing task or if an existing task is deleted. Before an amendment to the UPWP is final, the amendment is placed on the Johnson City MTPO Executive Board agenda for their approval and adoption. The adopted amendment is then forwarded to TDOT and officially reviewed and approved by FHWA and FTA.

The UPWP can be adjusted if funding for a required task is not over 20% of the amount programmed for that task or a technical correction is made to a task that does not change its scope. The adjustment is sent to TDOT and forwarded to FHWA and FTA for their files.

Title VI / Environmental Justice / ADA

The Johnson City MTPO will continue to advocate for the fair treatment and meaningful involvement of all people regardless of race, color, national origin, sex, income, and disability. The Johnson City MTPO maintains an active Title VI program which is reviewed by TDOT Civil Rights Office on a triennial basis. The most recent Title VI program can be found on the website at <http://jcmpto.org/civilrights.html>. The program will be updated per TDOT's schedule. The webpage currently provides contact information for the Title VI coordinator and ADA coordinator, along with forms for the complaint process. All projects using federal highway and transit funds for the Johnson City MTPO comply with Title VI, Environmental Justice and the Americans with Disabilities Act (ADA).

Federal Planning Factors and Federal Initiatives

Federal transportation legislation defines ten specific planning factors to be considered when developing transportation plans and programs in MPO areas. The planning factors are found in Title 23 of the United States Code, Section 134(h). The Johnson City MTPO will continue incorporating the ten federal planning factors and associated federal initiatives into the works tasks and resulting products provided for in this UPWP. The ten planning factors and related federal initiatives are:

1. **Economic Vitality – Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency.**
 - **Associated Federal Initiatives:**
 - *Transportation Performance Management*
 - *Economic Development*
 - *Financial Planning and Forecasting*
 - *Multimodal and intermodal freight planning and performance*
 - *Public Private Partnerships*
 - *Strategic Highway Research Program (SHRP)*
 - *Every Day Counts (EDC)*
2. **System Safety – Increase the safety of the transportation system for motorized and non-motorized users.**
 - **Associated Federal Initiatives:**
 - *Transportation Safety Planning and Performance*
3. **System Security – Increase the security of the transportation system for motorized and non-motorized users.**
 - **Associated Federal Initiatives:**
 - *Disaster Preparedness and Continuity of Operations (COOP) Planning*
 - *Climate Trends and Extreme Weather*
4. **Accessibility & Mobility – Increase the accessibility and mobility of people and freight.**
 - **Associated Federal Initiatives:**

- *Access Management and Corridor Management*
 - *ADA Accessibility*
 - *Congestion Management, Travel Time Reliability, and System Performance*
 - *Active Transportation and Transportation Alternatives*
 - *Multimodal and intermodal freight planning and performance*
- 5. Enhance Environment – Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns.**
- ***Associated Federal Initiatives:***
 - *Livability*
 - *Sustainability*
 - *Title VI and Environmental Justice*
 - *Planning and Environmental Linkages (PEL)*
 - *Air Quality and Public Health*
 - *Integrating Transportation and Land Use*
- 6. Integration and Connectivity – Enhance the integration and connectivity of the transportation system, across and between modes throughout the metropolitan region, for people and freight.**
- ***Associated Federal Initiatives:***
 - *Active Transportation and Transportation Alternatives*
 - *Multimodal and Intermodal Freight Planning and Performance*
- 7. System Management and Operations – Promote efficient system management and operation.**
- ***Associated Federal Initiatives:***
 - *Planning For Operations*
 - *Congestion Management, Travel Time Reliability, and System Performance*
 - *Transportation System Management and Operations (TSMO)*
- 8. System Preservation – Emphasize the preservation of the existing transportation system.**
- ***Associated Federal Initiatives:***
 - *Asset Management*
 - *Pavement and Bridge Performance*
- 9. System Resiliency – Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation.**
- ***Associated Federal Initiatives:***
 - *Sustainability*
 - *Transportation Safety Planning and Performance*
 - *Climate Trends and Extreme Weather*

10. Travel & Tourism – Enhance travel and tourism.

- **Associated Federal Initiatives:**
 - *Transportation Performance Management*
 - *Economic Development*
 - *Livability*

The UPWP is organized into work tasks. Table 3 below illustrates each of the planning factors and summarizes which of the work tasks address that factor.

Table 3

Summary of Planning Factors Matrix

<i>Planning Factors</i>	Tasks					
	Task A1 – Admin Activities	Task A2 – Data Inventories	Task B – MTP	Task C – TIP	Task D – Transit Planning	Task E – Vehicle Proc.
<i>Economic Vitality</i>	✓	✓	✓	✓	✓	✓
<i>System Safety</i>	✓	✓	✓	✓		✓
<i>System Security</i>	✓	✓	✓	✓		✓
<i>Accessibility & Mobility</i>		✓	✓	✓	✓	✓
<i>Enhance Environment</i>			✓	✓	✓	✓
<i>Integration & Connectivity</i>	✓	✓	✓	✓	✓	✓
<i>System Management & Operations</i>	✓	✓	✓	✓	✓	✓
<i>System Preservation</i>		✓	✓	✓	✓	✓
<i>System Resiliency</i>	✓	✓	✓	✓		✓
<i>Travel & Tourism</i>	✓	✓	✓	✓	✓	✓

Federal Planning Emphasis Areas

The U.S. DOT has also identified three Planning Emphasis Areas that the Johnson City MTPO will incorporate into the work tasks and resulting products provided for in this UPWP.

1. Models of Regional Planning Cooperation

The Johnson City MTPO will promote cooperation and coordination across MPO boundaries to ensure a regional approach to transportation planning. A memorandum of agreement (MOA)

between the Johnson City MTPO and the Kingsport MTPO designates that the Johnson City MTPO will conduct planning activities in the portion of the Kingsport Urbanized Area which is currently within the Johnson City city limits. The Kingsport and Johnson City Urbanized Areas are adjacent and the Johnson City MTPO MPA boundary extends into the Kingsport Urbanized Area. The MOA defines the planning responsibilities for each MTPO MPA boundary.

The three MPOs in the Tri-Cities area, which are Bristol, Kingsport and Johnson City, continue to be partners with the TDOT Multimodal Division on regional transit planning. In the past, there have been meetings that involve all three MPOs, all three urban transit providers, the rural transit provider, along with elected officials and administrators from 16 jurisdictions. The MPOs will continue to monitor the “critical trips” program and the funding that the rural transit provider is receiving to provide transportation for people who live inside the urbanized areas but outside the urban transit providers’ service areas.

2. Access to Essential Services

The Johnson City MTPO, as part of the transportation planning process, will identify transportation connectivity gaps in access to essential services. The Coordinated Public Transit – Human Services Transportation Plan, last updated in 2017, is a joint effort of the Johnson City MTPO and Johnson City Transit that identify gaps in transit services and determines cost effective improvements that result in a better transit system. It should be noted not all gaps may be met due to funding limitations. However, the opportunity to coordinate between transit systems, service providers, and other human services agencies is crucial in planning an efficient system focusing the services on the population in need of transit.

3. MAP-21 and FAST Act Implementation

The U.S. DOT has issued the final rules regarding the performance framework and TDOT and the Johnson City MTPO have set safety performance targets. The Johnson City MTPO will continue to participate in the development and implementation of a performance management approach to transportation planning and programming, which will include incorporation of performance targets into transportation planning documents, performance reporting, and transportation investments that support the achievement of performance targets. These components will ensure achievement of transportation system performance outcomes.

Table 4 on the next page illustrates each of the emphasis areas and summarizes which of the work tasks meet that factor.

Table 4

Summary of Emphasis Areas Matrix

<i>Emphasis Areas</i>	Tasks					
	Task A1 – Admin Activities	Task A2 – Data Inventories	Task B – MTP	Task C – TIP	Task D – Transit Planning	Task E – Vehicle Proc.
<i>Models of Regional Cooperation</i>	✓		✓	✓	✓	✓
<i>Access to Essential Services</i>			✓	✓	✓	✓
<i>MAP-21 / FAST Act Implementation</i>	✓	✓	✓	✓	✓	✓

Work Program

Task A1 – Administrative Activities

Responsible Agencies: Johnson City MTPO, TDOT – Long Range Planning Division, Office of Local Programs, Program Development Division and the Division of Multimodal Transportation Resources, FHWA, FTA

Purpose: (Johnson City MTPO and TDOT) To conduct continuing, cooperative, and comprehensive transportation planning activities consistent with the MPA’s comprehensive general plans and ensure that all transportation projects meet federal and state requirements.

Previous Work: This is a continuing work activity. However, the following accomplishments were made in FY 2018:

For the Johnson City MTPO:

- Maintained FY 2018 UPWP by completing an amendment for new Consolidated Planning Grant funds;
- Developed and submitted FY 2019 UPWP;
- Held several Executive Board and Staff meetings;
- Attended Region 1 Title VI training in May;
- Attended monthly conference calls and/or webinars with TDOT and MPOs statewide;
- Attended meeting at Knoxville TPO about the project delivery process with TDOT Local Programs;
- Attended meetings with the Northeast Tennessee Valley Regional Industrial Development Association and the Northeast Tennessee Regional Economic Partnership on transportation projects that support economic development and growth in the Johnson City MTPO MPA;
- Attended meetings held by First Tennessee Rural Planning Organization (RPO), Tennessee Model Users Group (TNMUG), Tennessee MPO Conference, Association of MPOs (AMPO) Conferences, Region 1 Freight Advisory Council meetings, FHWA Traffic Incident Management training, FHWA Grant Management Workshop, and other meetings with TDOT staff;
- Participated in several online training courses with National Highway Institute;
- The MTPO coordinated with TDOT and JCT to execute a performance targets MOU; and
- Conducted annual maintenance of the Johnson City Regional Intelligent Transportation Systems (ITS) Architecture.

Activities for FY 2019

For the Johnson City MTPO:

- Continue to facilitate better coordination with the TDOT Office of Local Programs for the implementation of projects as they relate to the MTP and TIP with member jurisdictions; TDOT

continues to improve its communications with the MTPO staff on projects, including quarterly federal obligations reports (which are included in the electronic TIP); TDOT also copies the MTPO staff on when a project is obligated;

- Attend FHWA, TDOT, and other sponsored training and workshops, as available, to improve and maintain proficiency in the field;
- Attend FHWA and TDOT performance-based planning training and meetings that become available to assist in setting and reporting performance targets for the Johnson City MTPO;
- Work with TDOT to review and make recommendations on performance targets for safety;
- Work with TDOT to adopt pavement and bridge condition performance targets for the Johnson City MTPO;
- Work with TDOT to adopt NHS and freight performance targets for the Johnson City MTPO;
- Continue to coordinate and develop outreach activities for the Title VI Program;
- Work with TDOT, FHWA, and FTA to prepare and submit technical reports (Financial Quarterly Reports);
- Maintain the FY 2019 UPWP for any necessary amendments or adjustments;
- Develop and submit the two-year FY 2020-2021 UPWP;
- Check for effectiveness of the PPP and make modifications if needed;
- Attend meetings of the Johnson City MTPO, First Tennessee RPO, TNMUG, local, regional, state, and federal sponsored meetings related to transportation planning as needed;
- Attend annual conferences of the statewide Tennessee MPOs and nationwide AMPO;
- Attend monthly conference calls and/or webinars with TDOT and MPOs statewide;
- Attend meetings with the Northeast Tennessee Valley Regional Industrial Development Association and the Northeast Tennessee Regional Economic Partnership on transportation projects that support economic development and growth in the Johnson City MTPO MPA;
- Continue to participate in online courses provided by the National Highway Institute;
- Update and maintain any required Memorandums of Understanding with other MPOs or agencies;
- Update and maintain performance management agreements with TDOT and public transit providers;
- Facilitate Traffic Incident Management activities with regional first responders to enhance safety, reduce traffic congestion, and reduce secondary traffic crashes on highways;
- Annually maintain the Johnson City ITS Regional Architecture by reviewing service packages with regional agencies for any modifications that may be needed;
- Prepare and maintain Johnson City MTPO committee contact lists as needed, along with maintenance of email distribution software;
- Relay information about meetings and updates to all Executive Board and Executive Staff members;
- Review and submit various contractual documents;
- Update By-Laws and Prospectus as needed; and
- Purchase of items & services, such as meeting supplies, office supplies and duplication services, when necessary, for day to day operations.

For TDOT:

The Long Range Planning Division, Tennessee Department of Transportation, will work jointly with the MPO to establish the required administrative and technical procedures and prepare contractual agreements. In addition, the Long Range Planning Division will attend technical and policy board meetings, distribute information on federal transportation planning guidelines and requirements, conduct seminars and work sessions, review the MPO’s transportation planning studies and reports, and undertake general administrative activities.

The TDOT Office of Local Programs will coordinate, review and assist the Johnson City MTPO in maintenance of the TIP 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 Multimodal Transportation Resources Division, Tennessee Department of Transportation, will administer state and federal programs regarding river transportation, urban public transportation, rail service, ride-sharing, and transportation systems management. Representatives of this office will participate in MPO meetings, distribute federal transit guidelines and requirements, conduct seminars and work sessions, and review MPO studies and reports. This office will coordinate FTA Section 5307 and 5310 funding programs in Tennessee, administer TIP amendments and adjustments for projects involving FTA funding and/or public transportation activities, and review documents to ensure that transit and rail is giving due consideration in the planning process. It should be noted that there are no “navigable rivers” in the Johnson City MTPO MPA; however, there are two class 1 and one class 3 railroads.

End Products (Schedule)

End Product	By Whom	When
FY 2019 UPWP Activities	Johnson City MTPO Staff	Ongoing
Contracts and Agreements	Johnson City MTPO Staff	As Needed
Day to Day Operations	Johnson City MTPO Staff	Ongoing
Travel to Meetings, Training, & Workshops	Johnson City MTPO Staff	As Needed
Travel to Conferences	Johnson City MTPO Staff	As Needed
Executive Board & Staff Meetings	Johnson City MTPO Staff	As Needed
Maintain Title VI activities	Johnson City MTPO Staff	Per TDOT Schedule
Traffic Incident Management meetings	Johnson City MTPO Staff	As Needed
Evaluate and maintain Public Participation Plan, as needed	Johnson City MTPO Staff	Ongoing
Adopt pavement and bridge condition performance targets for the Johnson City MTPO	Johnson City MTPO Staff; TDOT Staff	By November 2018

End Product	By Whom	When
Adopt NHS and freight performance targets for the Johnson City MTPO	Johnson City MTPO Staff; TDOT Staff	By November 2018
Update and readopt safety performance targets for the Johnson City MTPO	Johnson City MTPO Staff; TDOT Staff	By February 2019
Quarterly Invoices and Progress Reports	Johnson City MTPO Staff	November 2018, February, May and August 2019
Assist with Multimodal Corridor Study on Interstate 26	Johnson City MTPO Staff; TDOT Staff; Consultant	Spring 2018 – Spring 2019
Update FY 2019 UPWP, as needed	Johnson City MTPO Staff	October 2018- September 2019
Develop, adopt and submit two-year FY 2020-2021 UPWP	Johnson City MTPO Staff	March - August 2019

Planning Factors Considered: This task considers seven of the ten FAST Act Planning Factors, as shown in Table 3 on page 16, while conducting administrative activities, which are Economic Vitality, System Safety, System Security, Integration and Connectivity, System Management and Operations, System Resiliency, and Travel and Tourism. This task also considers two of the Federal Emphasis Areas, which are Models of Regional Cooperation and MAP-21/FAST Act Implementation.

Budget and Funding Source

Task A1 – Administrative Activities – FY 2019			
CPG Federal Funds	TDOT Match	Local Match	Johnson City MTPO Total
\$120,000	\$0	\$30,000	\$150,000

Task A2 – Maintenance of Data Inventories and Surveillance

Responsible Agencies: Johnson City MTPO, TDOT – Long Range Planning Division

Purpose

For the Johnson City MTPO:

- Inventory of transportation, demographic, and land-use data;
- Johnson City MTPO Urbanized Area and MPA boundaries;
- Database development;
- Maintenance and improvement of equipment necessary for data inventories; and
- Maintenance of the Johnson City MTPO website for dissemination of information.

For TDOT: Inventory of Transportation Data

Previous Work: This is a continuing work activity. However, the following accomplishments were made in FY 2018:

For the Johnson City MTPO:

- Collection and analysis of the following data on a local and regional basis for input into the MTP update, TIP, and performance targets for the Johnson City MTPO:
 - Population datasets from the 2010 Census, American Community Survey and other Census Bureau products;
 - Commuter patterns;
 - Bicycle and pedestrian facilities;
 - Freight information;
 - Land use;
 - Traffic data;
 - Transit data;
 - Crash data; and
 - Access to the Enhanced Tennessee Roadway Information Management System (ETRIMS), which is TDOT's roads database;
- Maintained Esri GIS Enterprise license, in cooperation with the City of Johnson City;
- Maintained TransCAD license and updated to the 8.0 version;
- Maintained the Johnson City MTPO website with all documents, meetings, public notices, and upcoming events for public viewing; and
- Rolled out a new website template to meet mobile users' needs and accessibility requirements.

For TDOT:

- Traffic volumes were collected annually throughout the Johnson City MTPO MPA by TDOT;

- Special count data collected for design projects as required;
- Crash data from Tennessee Department of Safety coded and filed; and
- High hazard accident data furnished for safety studies as needed.

Activities for FY 2019

For the Johnson City MTPO:

- Update and purchase/collect data on traffic, freight, bicycle and pedestrian facilities, population (including the elderly, disabled, and low-income populations), land use, and socioeconomic data, if available and needed;
- Continue to collect data on socioeconomic patterns, population density, financial costs, revenues, and ridership characteristics as they relate to transit needs;
- Collect and/or organize crash and safety data to assist with creating a performance-based planning framework through the Tennessee Integrated Traffic Analysis Network (TITAN) database and ETRIMS;
- Maintain databases necessary for the MTP, 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 attainment changes;
- Data collection and analysis techniques include transit patron surveys, GIS analysis, data collected by mobile data terminals on transit vehicles, and other methods;
- Continue to maintain database on JCT's bus stop inventory, bus routes, and other public transit data relevant to the GIS database;
- Regional traffic count information is maintained (via interactive mapping system) on the Johnson City MTPO website via a link to the TDOT statewide count information and also downloaded and shown in an ArcGIS Online map;
- Maintain databases and mapping systems capable of storing, retrieving, correlating, analyzing, and displaying geographic information. This includes purchases of equipment needed by the Johnson City MTPO for storing data and for display purposes for various visualization techniques;
- Although TDOT collects traffic count data at established stations, special traffic counts may be conducted by the local agencies within the Johnson City MTPO MPA, which may require the use and/or purchase of special equipment;
- Continual updating of Johnson City MTPO website to provide up to date information and enhanced access to transportation planning products to the public and Johnson City MTPO member agencies;
- Updating and maintenance of data including products for GIS analysis and advanced visualization techniques for the Johnson City MTPO and website;
- Utilize professional services to assist in data collection, organization, traffic count, collection, and maintenance of GIS databases, as needed;
- Maintain license for existing software: Travel Demand Model, Geographical Information Systems (GIS), Global Position System (GPS) data collection units, and visualization software such as Google Earth Pro, website development software, and other software packages;

- Maintain the database for TransCAD model, which includes economic, population and socioeconomic data, for the future update of the MTP and TIP. This would include purchase of databases if available; and
- Update and maintain the functional classification system for the Johnson City MTPO MPA.

For TDOT:

- Continue to collect annual traffic count data at established stations;
- Conduct special traffic counts as needed for planning and design projects;
- Maintain file on crashes and furnish high hazard listings and other safety data as required; and
- Travel time studies will be conducted if needed for special studies.

End Products (Schedule)

End Product	By Whom	When
Local and Regional Population and Land Use Data	Johnson City MTPO Staff	As Needed
Purchase or collect socioeconomic data, if available	Johnson City MTPO Staff	As Needed
Maintain GIS databases, including JCT bus routes and stops	Johnson City MTPO Staff	As Needed
Collect and/or organize data for performance-based planning framework	Johnson City MTPO Staff	As Needed
Maintain Johnson City MTPO website at http://www.jcmpo.org	Johnson City MTPO Staff	Ongoing
Maintain software licenses (GIS, Travel Demand Model, etc)	Johnson City MTPO Staff	Annually
Maintenance of Functional Classification System	Johnson City MTPO Staff	Ongoing
Develop maps of Urbanized Area, MPA, demographics, Functional Classification System, and other maps as needed	Johnson City MTPO Staff	As Needed
Database Management for the Travel Demand Model	Johnson City MTPO Staff	Ongoing
Traffic Counts (including peak hour volumes, vehicle classification, directional distribution, etc)	TDOT Staff Johnson City MTPO Staff	September – November
Vehicle Miles Traveled (VMT)	TDOT Staff	Ongoing
Crash Data	TDOT Staff	Ongoing

Planning Factors Considered: This task considers nine of the ten FAST Act Planning Factors, as shown in Table 3 on page 16, while collecting and analyzing data, which are Economic Vitality, System Safety, System Security, Accessibility and Mobility, Integration and Connectivity, System Management and Operations, System Preservation, System Resiliency, and Travel and Tourism. This task also considers one of the Federal Emphasis Areas, which is MAP-21/FAST Act Implementation.

Budget and Funding Source

Task A2 – Maintenance of Data Inventories & Surveillance – FY 2019			
CPG Federal Funds	TDOT Match	Local Match	Johnson City MTPO Total
\$100,000	\$0	\$25,000	\$125,000

Task B – Metropolitan Transportation Plan – Maintenance

Responsible Agencies: Johnson City MTPO, TDOT – Long Range Planning Division

Purpose: (Johnson City MTPO and TDOT) To provide a continuously updated comprehensive transportation plan that will provide for the long-range transportation needs of the Johnson City MTPO MPA.

Previous Work:

- Finalized the draft of the MTP for review by TDOT and FHWA/FTA;
- Held a public comment period with public meeting in January 2018;
- The Johnson City MTPO Executive Board adopted the 2045 MTP on February 22, 2018; and
- Maintained the 2045 MTP with any necessary amendments.

Activities for FY 2019

For the Johnson City MTPO:

- Maintain the 2045 MTP and make any necessary amendments (As needed);
- Ensure all projects within the current TIP comply with the 2045 MTP;
- Attend any workshops or class that may be beneficial for updating the future MTP;
- Analyze performance targets as they are set and how they might affect the current 2045 MTP, should an amendment be needed before the next MTP update;
- Should an amendment be required, staff has budgeted funding to bring back the consultant who assisted with the original MTP in order to integrate performance measures and targets;
- Assist TDOT with maintaining Statewide Long Range Transportation Plan (LRTP);
- Assist TDOT and consultant to conduct a multimodal corridor study on Interstate 26;
- Make any necessary updates to the current MTP for requirements issued by new transportation authorizations; and
- If future air quality standards change and affect the Johnson City MTPO MPA, the Johnson City MTPO will update or develop necessary plans, models, and documents to make the Johnson City MTPO MPA air quality compliant. (Note: At this time, the Johnson City MTPO MPA is in attainment status).

End Products (Schedule)

End Product	By Whom	When
Maintain 2045 MTP with amendments	Johnson City MTPO Staff	As Needed
Continue to analyze performance targets as they affect the 2045 MTP	Johnson City MTPO Staff; TDOT Staff; FHWA/ FTA Staff	Ongoing

Planning Factors Considered: All ten FAST Act Planning Factors are considered when making any updates to the MTP, which are Economic Vitality, System Safety, System Security, Accessibility and Mobility, Enhance Environment, Integration and Connectivity, System Management and Operations, System Preservation, System Resiliency, and Travel and Tourism. This task also considers all three of the Federal Emphasis Areas, which are Models of Regional Cooperation, Access to Essential Services and MAP-21/FAST Act Implementation.

Budget and Funding Source

Task B – Metropolitan Transportation Plan Maintenance – FY 2019			
CPG Federal Funds	TDOT Match	Local Match	Johnson City MTPO Total
\$56,000	\$0	\$14,000	\$70,000

Task C – Transportation Improvement Program – Maintenance

Responsible Agency: Johnson City MTPO, Transit Agencies

Purpose: To prepare and maintain an accurate, timely, and fiscally constrained TIP.

Previous Work

For the Johnson City MTPO:

- Adjustments and amendments were completed as needed to the FY 2017-2020 TIP; and
- Annual Listing of Obligated Projects for FY 2017 was made available to the public.

Activities for FY 2019

For the Johnson City MTPO:

- Maintain the accuracy of the FY 2017-2020 TIP through adjustments when necessary while remaining fiscally constrained;
- Maintain the electronic TIP with quarterly federal obligations, when received from TDOT;
- If an amendment is needed, update the FY 2017-2020 TIP with performance targets;
- Coordinate existing TIP projects with local, state, and federal agencies;
- Publish the FY 2018 Annual Listing of Obligated Projects (December 2018);
- Issue a call for projects to member jurisdictions to prepare the FY 2020-2023 TIP;
- Conduct training and prepare materials on using the electronic TIP and submitting projects;
- Review existing projects for current status and which will be placed in the new TIP;
- Develop revenue and project costs estimates to demonstrate fiscal constraint;
- Analyze the submitted and existing projects and how they address performance targets;
- Analyze transit projects and how they address Transit Asset Management performance targets; and
- Submit draft FY 2020-2023 TIP for TDOT and FHWA/FTA review.

End Products (Schedule)

End Products	By Whom	When
Update FY 2017-2020 TIP with adjustments	Johnson City MTPO Staff	As Needed
For amendments, update the FY 2017-2020 TIP with performance targets	Johnson City MTPO Staff	As Needed
FY 2018 Annual Listing of Obligated Projects will be made available	Johnson City MTPO Staff	December 2018

End Products	By Whom	When
Call for projects to draft FY 2020-2023 TIP	Johnson City MTPO Staff	December 2018
Develop revenue and project cost estimates to demonstrate fiscal constraint	Johnson City MTPO Staff	January – May 2019
Analyze the FY 2020-2023 TIP projects and how they address performance targets	Johnson City MTPO Staff	January – May 2019
Submit draft FY 2020-2023 TIP for TDOT and FHWA/FTA review	Johnson City MTPO Staff; TDOT Staff; FHWA/ FTA Staff	May – September 2019

Planning Factors Considered: All ten FAST Act Planning Factors will be considered during the development and maintenance of the TIP, which are Economic Vitality, System Safety, System Security, Accessibility and Mobility, Enhance Environment, Integration and Connectivity, System Management and Operations, System Preservation, System Resiliency, and Travel and Tourism. This task also considers all three of the Federal Emphasis Areas, which are Models of Regional Cooperation, Access to Essential Services and MAP-21/FAST Act Implementation.

Budget and Funding Source

Task C – Transportation Improvement Program – Maintenance – FY 2019			
CPG Federal Funds	TDOT Match	Local Match	Johnson City MTPO Total
\$100,000	\$0	\$25,000	\$125,000

Task D – Transit Planning

Responsible Agencies: Johnson City MTPO, Transit Agencies, TDOT, FTA

Purpose: To administer funds, coordinate planning activities, and to encourage citizen knowledge and awareness of public and private transit services.

Previous Work

For the Johnson City MTPO and Transit Agencies:

- Johnson City MTPO assisted JCT with surveying transit passengers and human service agencies to collect data for the update to the 2045 MTP and Coordinated Public Transit – Human Services Transportation Plan update;
- Johnson City MTPO assisted JCT by maintaining the Coordinated Public Transit – Human Services Transportation Plan, which was completed in March 2017, by meeting with the Advisory Committee in June 2018;
- Transit agencies provided the Johnson City MTPO with performance targets for Transit Asset Management (TAM);
- Completed a comprehensive operational analysis for JCT;
- Completed assistance to JCT with a medium-duty bus procurement package;
- Conducted public participation activities for transit projects in the update to the MTP and TIP amendments; and
- Transit agencies provided the MTPO with TAM Plans by October 1, 2018.

Activities for FY 2019

For the Johnson City MTPO and Transit Agencies:

- Continue to work with TDOT Multimodal staff as they provide funding to bridge the gap in providing service for urban to urban trips not covered by an urban transit provider and that this Critical Trips funding program will continue;
- Meet with the Advisory Committee to assess progress on the Coordinated Public Transit – Human Services Transportation Plan (Spring 2019);
- Continue to work with transit agencies as they provide the Johnson City MTPO with updated performance targets;
- Work with transit agencies to receive the National Transit Database TAM performance metrics report after October 1, 2018;
- If the TIP or MTP needs to be amended after October 1, 2018, transit performance measures and targets will be incorporated, along with partnering with TDOT to update the STIP and LRTP; and
- Continue to be a stakeholder in the regional transit planning meetings and discussions.

End Products (Schedule)

End Product	By Whom	When
Participate in regional transit planning meetings and discussions	Johnson City MTPO Staff	Ongoing
Receive National Transit Database TAM Report	Transit Agencies Staff; Johnson City MTPO	After October 1, 2018
Amendments to the TIP and/or MTP will incorporate transit performance measures and targets	Transit Agencies Staff; Johnson City MTPO	After October 1, 2018
Meet with Advisory Committee to assess progress on the Coordinated Plan	Johnson City MTPO Staff; Transit Agencies Staff	Spring 2019
Receive updated TAM performance targets	Transit Agencies Staff; Johnson City MTPO	July 2019

Planning Factors Considered: This task considers seven of the ten FAST Act Planning Factors, as shown in Table 3 on page 16, during the transit planning process, which are Economic Vitality, Accessibility and Mobility, Enhance Environment, Integration and Connectivity, System Management and Operations, System Preservation, and Travel and Tourism. This task also considers all three of the Federal Emphasis Areas, which are Models of Regional Cooperation, Access to Essential Services and MAP-21/FAST Act Implementation.

Budget and Funding Source

Task D – Transit Planning – FY 2019			
CPG Federal Funds	TDOT Match	Local Match	Johnson City MTPO Total
\$50,378	\$6,297	\$6,297	\$62,972

Task E – Carryover from FY 2018 – Vehicle Procurement

Responsible Agency: Johnson City MTPO

Purpose: To procure a vehicle for the use of MTPO Staff.

Activities for FY 2019

For the Johnson City MTPO:

- Vehicle will be procured using previously available funds in the grant contract but not programmed in the UPWP to replace the current vehicle that is used exclusively by MTPO staff;
- Review statewide contracts for available vehicles in the SUV category;
- Complete the procurement of a vehicle by September 2018;
- The following additional steps will be taken; however, these charges will be paid for by the City of Johnson City:
 - Add the vehicle as covered under the City of Johnson City’s auto insurance company; and
 - Maintain the vehicle through the City of Johnson City’s Motor Transport Division according to the maintenance schedule.

End Products (Schedule)

End Products	By Whom	When
Procure staff vehicle	Johnson City MTPO Staff	By September 2018

Planning Factors Considered: All ten FAST Act Planning Factors will be considered during the development and maintenance of the TIP, which are Economic Vitality, System Safety, System Security, Accessibility and Mobility, Enhance Environment, Integration and Connectivity, System Management and Operations, System Preservation, System Resiliency, and Travel and Tourism. This task also considers all three of the Federal Emphasis Areas, which are Models of Regional Cooperation, Access to Essential Services and MAP-21/FAST Act Implementation.

Budget and Funding Source

Tsk E – Carryover – Vehicle Procurement – FY 2019			
CPG Federal Funds	TDOT Match	Local Match	Johnson City MTPO Total
\$24,000	\$0	\$6,000	\$30,000

Other Transportation Planning Tasks in the Johnson City MTPO MPA

Although not the responsibility of the Johnson City MTPO or funded with federal funds, there are several other transportation planning tasks that are being implemented within the Johnson City MTPO MPA:

1. West Walnut Street Corridor Redevelopment Plan

The City of Johnson City is planning to revitalize the West Walnut Street Corridor and has hired a consultant to complete a Master Plan to redevelop the corridor in the next 20 years. West Walnut Street is considered a part of the downtown area, connecting the core of downtown Johnson City to East Tennessee State University. The City hired a consultant in November 2017 and the cost of the plan is \$221,500. It is scheduled to be completed by the end of 2018.

2. City of Johnson City Comprehensive Plan – Land Use Element

The City of Johnson City is planning to update the Land Use Element of the City of Johnson City Comprehensive Plan. This update will be done in-house in the Development Services Department. This update is the first step, while the next phase will involve the update to the Transportation Element.

3. TDOT Road Safety Audits

TDOT conducts, upon request of local officials, road safety audits that are intended to eliminate or alleviate safety concerns that have been identified when studying crash data and from actual field investigations. According to TDOT, road safety audits are used primarily as “quick” improvements to correct safety issues such as lack of signing or striping or to correct minor geometric deficiencies. Typically, all improvements occur within the existing right-of-way and are completed within one (1) year of the final report. The cost of each of the studies and implementations vary by multiple projects. For example, TDOT recently completed safety improvements in the spring of 2018 to Knob Creek Road, between State Route 354 (Boones Creek Road) and Mizpah Hills Drive, which cost \$58,000 for the construction phase that included installation of signage and reflective strips.

4. Hazard Mitigation Plans

Both the Washington County and Carter County Emergency Management Agencies (EMA) are updating their Hazard Mitigation Plans in the coming year. These plans are a comprehensive strategy to reduce the impacts of natural hazards. Each plan includes a section on transportation as a planning area. Of particular interest is the mitigation of hazardous materials and their transport on area roads and interstates, which necessitates the need for incident management training. The update to these Hazard Mitigation Plans are being done in-house.

Budget Summary – Funding Sources

Table 5
Funding Sources- Johnson City Urban Area
Fiscal Year 2019

TASK	CONSOLIDATED PLANNING GRANT					TOTAL
	FHWA PL 112 80%	LOCAL MATCH 20%	FTA Sec. 5303 80%	TDOT MATCH 10%	LOCAL MATCH 10%	
A1. Administration	\$120,000	\$30,000	\$0	\$0	\$0	\$150,000
A2. Data Inventories	\$100,000	\$25,000	\$0	\$0	\$0	\$125,000
B. LRTP	\$56,000	\$14,000	\$0	\$0	\$0	\$70,000
C. TIP	\$100,000	\$25,000	\$0	\$0	\$0	\$125,000
D. Transit Planning	\$0	\$0	\$50,378	\$6,297	\$6,297	\$62,972
E. Carryover Task - Vehicle Proc.	\$24,000	\$6,000	\$0	\$0	\$0	\$30,000
TOTAL	\$400,000	\$100,000	\$50,378	\$6,297	\$6,297	\$562,972

Budget Summary – Agency Participation

Table 6
Agency Participation- Johnson City Urban Area
Fiscal Year 2019

TASK		TDOT/SPR	MPO	TOTAL
A1.	Administration	\$0	\$150,000	\$150,000
A2.	Data Inventories	\$0	\$125,000	\$125,000
B.	Long Range Planning	\$0	\$70,000	\$70,000
C.	TIP	\$0	\$125,000	\$125,000
D.	Transit Planning	\$6,297	\$56,675	\$62,972
E.	Carryover Task - Vehicle Proc.	\$0	\$30,000	\$30,000
TOTAL		\$6,297	\$556,675	\$562,972

Budget Summary – Agency Participation by Funding Source

Table 7
Agency Participation by Funding Source
Fiscal Year 2019

	CONSOLIDATED PLANNING GRANT					
	FHWA PL 112 80%	LOCAL MATCH 20%	FTA SEC. 5303 80%	TDOT MATCH 10%	LOCAL MATCH 10%	
TDOT - PD*	\$0	\$0	\$0	\$6,297	\$0	\$6,297
MPO	\$400,000	\$100,000	\$50,378	\$0	\$6,297	\$556,675
TOTAL	\$400,000	\$100,000	\$50,378	\$6,297	\$6,297	\$562,972

* PD = Program Development