JOPLIN AREA TRANSPORTATION STUDY ORGANIZATION



FISCAL YEAR 2016

UNIFIED PLANNING WORK PROGRAM

NOVEMBER 1, 2015 TO OCTOBER 31, 2016

CITY OF JOPLIN
DEPARTMENT OF PLANNING, DEVELOPMENT, AND NEIGHBORHOOD SERVICES
602 MAIN STREET
JOPLIN, MISSOURI 64804
(417) 624-0820

UPWP Amendment No. 2 • Approved by the JATSO Policy Board on June 23, 2016.

List of Acronyms

CART	Citizens Advisory Recovery Team
CPG	Consolidated Planning Grant
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY	Fiscal Year
GIS	Geographic Information Systems
HSTCC	Harry S. Truman Coordinating Council
JATSO	Joplin Area Transportation Study Organization
MAP-21	Moving Ahead for Progress in the 21st Century
MAPS	Metropolitan Area Public Transit System
MoDOT	Missouri Department of Transportation
MOU	Memorandum of Understanding
MPO	Metropolitan Planning Organization
O & D	Origin & Destination Study
PIP	Public Involvement Plan
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act - A Legacy for Users
TIP	Transportation Improvement Program
UPWP	Unified Planning Work Program

INTRODUCTION

PURPOSE

The Joplin area transportation planning process is an on-going work effort that constitutes a branch of planning work activities developed by the Joplin Area Transportation Study Organization (JATSO) staff. The purpose is to analyze and evaluate various types of data (such as demographic, socio-economic, land use and scientific) in order to provide a rational basis for making short-range and long-range decisions about transportation needs in the Joplin metropolitan area. The planning process identifies present and future needs, and develops plans, policies, and projects to carry out objectives identified in the long-range transportation plan.

The Joplin area continues to make strides in redeveloping the area's transportation network while planning for future growth. During FY 2015, a master plan was completed for the Joplin Regional Airport. In addition, public transportation routes were expanded to include service to the new Mercy Hospital and other areas in the city of Joplin. Currently there are two TIGER Grant funded projects that are open in the City of Joplin: the 20th Street Overpass and the Maiden Lane widening. The 20th Street Overpass is underway, with 20th street closed for widening of New Hampshire Avenue. This project should be completed late in the summer of 2016. Maiden Lane is being widened from 22nd Street to 26th, with new sidewalks and a trail in Cunningham Park, which will be completed in the winter of 2015. Improvements to 26th Street and Schifferdecker Avenue were TIGER Grant projects completed in July 2015.

The JATSO continues to work on priorities facing our region, including recovery from the May 2011 tornado. Many Disaster Recovery projects are in progress, funded by Community Development Block Grants, and will have significant impacts on the region. The JATSO MPO area continues to attract businesses and focus on economic growth as well. Additionally, JATSO and City of Joplin staff continue to be involved in the 4-States Clean Air Alliance, ensuring air quality standards and compliance in our MPO region.

The transportation planning process is required by federal regulations as a prerequisite to the receipt of federal capital and operating assistance. The end result from this continuing, cooperative, and comprehensive process will include plans and programs that match and enhance the comprehensively planned development of the metropolitan area. In addition, the planning process and requirements mandated by the enacted by the Safe, Accountable, Flexible, Efficient Transportation Equity Act – A Legacy for Users (SAFETEA-LU) and Moving Ahead for Progress in the 21st Century (MAP-21) which took effect October 1, 2012 will be addressed as part of the Joplin Area Transportation Study Organization's (JATSO) planning activities.

ORGANIZATION

On May 20, 1983, Governor Christopher Bond of Missouri signed the letter of approval designating the JATSO as the Metropolitan Planning Organization (MPO) for the Joplin metropolitan area under Title 23 of the U.S. Code.

The MPO has designated the City of Joplin as the contracting agent for service agreements involving federal planning funds from the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). The Harry S. Truman Coordinating Council, the local regional planning commission, represents the smaller villages and unincorporated area on the JATSO Policy Board. The JATSO organization consists of six members from the City of Joplin, and one member from each of the following: Harry S. Truman Coordinating Council, City of Webb City, City of Carl Junction, MoDOT Southwest District, Newton County, and Jasper County.

The organization and responsibilities of the various agencies involved in the transportation planning process are defined in this Unified Planning Work Program (UPWP), the Memorandum of Understanding, and the JATSO bylaws.

FUNDING FOR THE UPWP

Funding for the UPWP comes from three sources: the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), and the City of Joplin. FHWA Planning and FTA Section 5303 funds are combined into one category, called a Consolidated Planning Grant (CPG), and provide 80 percent of the UPWP funds. The Federal planning funds require a 20 percent local match. This local match is provided by the City of Joplin general revenue funding source.

PLANNING FACTORS

The Federal transportation planning requirements require the metropolitan transportation planning process to be continuous, cooperative, and comprehensive; and that the JATSO UPWP provide for consideration and implementation of projects, strategies and services that will address the following eight factors:

1. Support the economic vitality of the Joplin metropolitan area, especially by enabling global competitiveness, productivity and efficiency;
2. Increase the safety of the transportation system for motorized and non-motorized users;
3. Increase the security of the transportation system for motorized and non-motorized users;
4. Increase the accessibility and mobility of people and freight;
5. 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;
6. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
7. Promote efficient system management and operation; and
8. Emphasize the preservation of the existing transportation system.

Eligible Items

There are a number of activities that are considered eligible for transportation planning funds. These include street inventories, map preparation, aerial photography and photogrammetry, traffic volume studies, land use studies, and other studies that support the transportation planning process. Other eligible activities include systems development and project planning, economic and fiscal studies related to streets, project evaluation studies, and compilation of reference statistics.

Public Involvement Plan

The purpose for the Public Involvement Plan (PIP) adopted in 2009 is to involve the public in the planning process, since the purpose of regional planning is to meet public mobility needs.

The PIP outlines a process for the public comments on the LRTP, TIP, UPWP, Title VI/ Environmental Justice and at public meetings. The PIP states that all changes to documents and plans that require board approval, except for the PIP itself, shall have a news release issued and be posted to the JATSO webpage seven (7) days prior to any action by the governing board for the purposes of public comment. The PIP shall have a 45-day public comment period. A paper copy of the PIP can be acquired at Joplin City Hall, Metropolitan Area Public Transit System (MAPS) office and vehicles, Webb City City Hall, Carl Junction City Hall, and Harry S. Truman Coordinating Council offices. An electronic copy of the PIP can be obtained at the JATSO website (http://joplinmo.org/index.aspx?NID=738). Other information pertaining to Title VI (Civil Rights Act of 1964), Limited English Proficiency (LEP) Plan, and American with Disabilities Act contact information can also be found at this website.

JATSO staff will be conducting a review of the current 2009 PIP during FY 2016 in order to ensure conformity with the requirements of 23 CFR 450.316. This includes extending comment periods on JATSO work products, meeting with stakeholders and invested interest groups, and reassessing the methods of communication with the public.

FY 2016 Program Goals

The annual transportation planning program begins on November 1, 2015 and continues through October 31, 2016. The UPWP is directed toward the continuation and improvement of existing activities and the development of those activities mandated by federal regulations. For fiscal year 2016, JATSO's goals are:

- Improve metropolitan transportation planning through better cooperation and communication from JATSO, MoDOT, and ONEDOT. (All Tasks)
- Increase public and public agency participation in the JATSO transportation planning process. (Tasks 1, 2, 4, and 5)
- Update the 2016-2019 TIP as needed (Task 1)

TASK 1. TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

Objective: JATSO staff will maintain a fiscally constrained area-wide programmed listing of transportation improvement projects inside the Joplin metropolitan planning area for a four-year period that is consistent with JATSO's long-range transportation plan.

Current Status: The JATSO FY 2016-2019 TIP was approved October 29, 2015 and will be modified throughout FY 2016 as needed by the completion of JATSO TIP amendments and/or administrative actions.

Tasks Completed in FY 2015

- Staff amended the JATSO FY 2014-2017 TIP to include updated or new projects.
- Staff maintained and monitored the projects in the JATSO FY 2014-2017 TIP
- Developed and approved the FY 2016-2019 TIP

Work Items

- *Administration* – 70% ($9,646)
    - Complete TIP modifications as needed
    - Prepare the FY 2016 Annual Listing of Obligated Projects
- *Outreach* – 30% ($4,134)
    - Conduct Public Meetings

Public Participation

- Prior to adopting a TIP a public meeting will be held by the Policy Board. A news release will be issued and posting to the JATSO webpage will be done seven (7) days in advance of the public meeting. The public is encouraged to formulate comments regarding the TIP document.

End Products

- Update JATSO FY 2016-2019 TIP with amendments as needed
- Prepare the FY 2016 Annual Listing of Obligated Projects
- Develop and execute JATSO/MoDOT Annual Self Certification

Schedule for Completion

- Activities will be on-going from November 1, 2015 through October 31, 2016

Budget

Total Cost	Federal Funds (80%)	Local Funds (20%)
$ 13,780	$ 11,024 (CPG Funds)	$ 2,756 (City of Joplin)

TASK 2. UNIFIED PLANNING WORK PROGRAM (UPWP)

ADMINISTRATION & OPERATIONS

Objective: JATSO staff will maintain the approved UPWP for the current FY 2016 and develop the FY 2017 UPWP.

Current Status: This task is on-going with activities occurring on a day-to-day or on-demand basis.

Tasks Completed in FY 2015

- Staff carried out projects in the FY 2015 UPWP, including
    - Developed the FY 2016 UPWP
    - Conducted four public meetings
    - Created and provided informational handouts at all public meetings
    - Participated in the FHWA/FTA 2015 Planning Process Review
    - Completed an update of the Long-Range Transportation Plan

Work Items

- *Administration* – 34% - ($ 22,216)
    - Monitor and maintain the FY 2016 UPWP ($ 3,097)
    - Prepare and transmit quarterly progress reports to MoDOT ($ 6,193)
    - Prepare the FY 2017 UPWP ($ 6,558)
    - Document all MPO activities ($ 2,368)
    - Participate in the FHWA/FTA Planning Process Review follow-up ($1,320)
    - Program additional tasks in FY 2016 as needed ($2,680)
- *General Transportation Planning* – 42% - ($ 27,325)
    - Participate in MoDOT district and statewide planning activities ($ 6,831)
    - Prepare minor amendments to the Long-Range Transportation Plan as needed ($ 4,099)
    - Maintain inventory of transportation needs and priorities ($ 6,558)
    - Conduct JATSO Policy Board meetings ($ 2,733)
    - Ongoing coordination of JATSO activities with disaster recovery planning efforts ($ 5,738)
    - Staff professional development ($ 1,372)
- *Outreach* – 24% - ($ 15,180)
    - Conduct public meetings ($ 9,108)

- Create informational hand-outs for public use ($ 3,795)
- Ongoing outreach to JATSO member agencies ($ 1,518)
- Ensure agencies receiving federal transportation funds maintain accurate financial records ($759)

Public Participation:

- Prior to adopting a Unified Planning Work Program a public meeting will be held by the Policy Board. A news release will be issued and posting to the JATSO webpage will be done seven (7) days in advance of the public meeting. The public is encouraged to formulate comments regarding the UPWP document.

End Products:

- Four (4) FY 2016 quarterly progress reports to MoDOT
- The JATSO FY 2017 UPWP completed in September 2016
- Maintain and update prioritized list of needs in the JATSO area as needed
- Minor Long-Range Transportation Plan amendments if needed
- Create information hand-outs for public use as needed

Schedule for Completion:

- Activities will be on-going from November 1, 2015 through October 31, 2016.

Budget

Total Cost	Federal Funds (80%)	Local Funds (20%)
$ 64,721	$ 51,776.80 (CPG funds)	$ 12,944.20 (City of Joplin)

TASK 3. GEOGRAPHIC INFORMATION SYSTEMS (GIS)

Objective: JATSO staff will work with the City of Joplin, the Harry S. Truman Coordinating Council, and other local governments and agencies to update and create databases and collect and input data into the JATSO's GIS.

Current Status: The City of Joplin updates zoning maps within the Joplin corporate boundaries. Census information, other socio-economic data, and additional transportation data of the Joplin area is inserted into GIS databases as it becomes available. Midland GIS Solutions continues to host the GIS website for the purposes of managing information.

Tasks Completed in FY 2015

- Staff maintained and updated street, trail, subdivision, zoning, sewer, flood plain, and ownership GIS layers.

Work Items

- *Administration* – 55% - ($ 27,560)
    - Maintain and update GIS layers used by JATSO, the Metro Area Public Transit System (MAPS), the Harry S. Truman Coordinating Council and local governments and agencies.
- *Annual ESRI licensing fee* – 30% - ($14,350)
- *Maintaining the GIS website* – 15% – ($7,200)

End Products

- Maintained GIS layers
- Updated street, subdivision, zoning, and property ownership layers.
- Updated aerial photography and contour, flood plain, census, environmental and traffic count layers as needed.
- Updated data and maps to reflect change in transit/multi-modal facilities

Schedule for Completion

- Activities will be on-going from November 1, 2015 through October 31, 2016.

Budget

Total Cost	Federal Funds (80%)	Local Funds (20%)
$49,110.00	$39,228.00	$9,822.00

TASK 4. TRANSIT PLANNING

Objective: JATSO staff will provide program and administrative support for the Metropolitan Area Public Transit System (MAPS) and the Sunshine Lamp Trolley system. JATSO staff will complete long and short-range transit planning responsibilities.

Current Status: JATSO continues to assist MAPS with program support and administration.

Tasks Completed in FY 2015

- Staff monitored the MAPS and collected data and information.
- Staff monitored the Sunshine Lamp Trolley system.
- Staff expanded trolley service to the southwest Joplin area, including the new Mercy Hospital site. The new trolley route began service spring 2015.
- Staff planned for the development of a transfer station and updated trolley routes.

Work Items

- *Administration – 100%* - ($47,541.00)
    - The MAPS transit coordinator collects and records transit data and information and reports the data findings to local, state and federal government agencies.

      ($15,281)
    - The MAPS transit coordinator and JATSO staff use data and information to complete short and long-range planning responsibilities. ($16,979)
    - Transit coordinator monitors and analyzes Sunshine Lamp Trolley system.

      ($15,281)

End Products

- Transit coordinator carries out the daily operations of MAPS.
- Transit coordinator provides MoDOT and FTA with necessary transit data and documentation.

Schedule for Completion

- Activities will be on-going from November 1, 2015 through October 31, 2016.

Budget

Total Cost	Federal (80%)	Local Funds (20%)
$47,541.00	$ 38,032.80 (FTA Sec. 5307)	$ 9,508.20 (City of Joplin)

TASK 5. PROGRAMS, SOFTWARE & HARDWARE

Objective: To maintain and improve an interactive JATSO website for the Joplin metropolitan planning area and maintain and improve JATSO's TransCAD software.

Current Status: The MPO's main website is included on the City of Joplin's website, (http://joplinmo.org/index.aspx?nid=738). The site contains information about JATSO, meeting agendas, minutes, and notices, and work products.

Tasks Completed in FY 2015

- JATSO staff maintained an interactive website that includes zoning, street, subdivision, and parcel information. News releases and agendas were posted to the City of Joplin's main webpage.
- Staff computer was upgraded.

Work Items

- Updating TransCAD software – 75% – ($15,008.40)
- Maintaining the JATSO website – 7% - ($1,320)
- Maintaining JATSO's TransCAD model – 18% - ($3,820)

End Products

- Maintain an interactive GIS website that includes zoning, street, subdivision, parcel, and any other pertinent information.
- Maintain JATSO's website and make regular updates to keep the public informed.

Schedule for Completion

- Activities will be on-going from November 1, 2015 through October 31, 2016.

Budget

Total Cost	Federal Funds (80%)	Local Funds (20%)
$ 20,148.40	$ 16,118.72	$ 4,029.68

TASK 6. COMPREHENSIVE PLAN UPDATE (PHASE II)

Objective: Update the current Joplin Area Comprehensive Plan (Phase II)

Current Status: The existing land use code for the Disaster Recovery Area does not encourage or permit the types of sustainable redevelopment identified in the Comprehensive Plan.

Tasks Completed in FY 2015:

- JATSO staff worked on developed an RFQ
- A selection committee was formed
- Top two consultants were interviewed and scored

Work Items: The 2012 Comprehensive Plan was adopted in July 2012. The updated plan addresses sustainable redevelopment in the Disaster Recovery Area, especially along the 20th Street Corridor. However, the goals and recommendations in the Comprehensive Plan cannot be achieved without a land use code update for the Disaster Recovery Area. Coordinating land use and transportation planning is an important component of sustainable development, a topic that received support from Joplin area residents in the Citizens Advisory Recovery Team (CART) plan. Area residents understand the impact that land use decisions have on their transportation decisions and needs.

The Comprehensive Plan, Metropolitan Transportation Plan, and CART all include recommendations for access management, sidewalks, and bicycle, trail and transit connections. The three aforementioned plans along with a land use code update work together to promote effective land use and transportation decisions in the Disaster Recovery Area.

The MTP, adopted in 2016, has a total of nine (9) goals, four (4) of which directly relate to land use. The following goals can be found in the LRTP:

- Goal I: Provide for the development of a transportation system that is supported by and complements land development and enhances community development.
- Goal IV: Provide for a balanced transportation system that provides a choice of travel modes for different individuals and activities.
- Goal VIII: Maintain low environmental impact from the transportation system within the metro area.
- Goal IX: Develop a future transportation system that encourages energy conservation.

The MTP recognizes the importance of connecting transportation and land use to provide an effective, sustainable, and multi-modal transportation system. An updated land use code for the Disaster Recovery Area will allow the impacted area to redevelop as a model for sustainable development.

End Products: An updated land use code that will help staff and the public make informed development decisions and achieve goals identified in the 2012 Comprehensive Plan will be adopted by the City of Joplin.

Public Participation: Public Participation is one of the most important elements when developing a land use code. JATSO will hold numerous stakeholder, focus group, and public meetings for the update.

Schedule for Completion: The selected consultant with staff assistance will conduct multiple public participation events and present drafts for public comment throughout FY 2016 and the first half of FY 2017. A final draft will be reviewed and approved by the Policy Board by the end of FY 2017.

Budget:

Total Cost	Federal Funds (60%)	Local Funds (40%)
$ 100,000	$60,000 (CPG Funds)	$40,000 (City of Joplin)

TASK 7. BICYCLE AND PEDESTRIAN TRANSPORTATION PLAN UPDATE

Objective: Update the JATSO Bicycle and Pedestrian Transportation Master Plan.

Current Status: The Bicycle-Pedestrian Transportation Plan for the Metropolitan Joplin Area was last updated in 2001.

Work Items: In the last fifteen years, there have been numerous bicycle and pedestrian projects in the planning area; additionally, following the May 2011 tornado in Joplin, many roads have been or will be reconstructed with increased bicycle and pedestrian infrastructure. This plan should be updated to gain an accurate assessment of the connectivity and existing infrastructure in the planning area as well as update the bicycle and pedestrian related goals of JATSO. The plan should provide JATSO with a prioritized list of non-motorized transportation needs in the planning area.

The Comprehensive Plan, Metropolitan Transportation Plan, and CART all include recommendations for access management, sidewalks, and bicycle, trail and transit connections. Goals 4, 6, 7, 8, and 9 of the 2036 MTP support the need for an up-to-date Bicycle and Pedestrian Transportation Plan by encouraging economic vitality, environmental justice, and support for individuals with low-income or disabilities.

End Products: An updated Bicycle and Pedestrian Transportation Plan for the JATSO planning area that will help the staff and public encourage sustainable and accessible multi-modal transportation planning and programming in the region.

Public Participation: This plan update will include three (3) public meetings as well as a public involvement survey to be used by JATSO.

Schedule for Completion: The selected consultant with staff assistance will conduct multiple public participation events and present drafts for public comment throughout FY 2016 and the first half of FY 2017. A final draft will be reviewed and approved by the Policy Board by the end of FY 2017.

Budget:

Total Cost	Federal Share (80% CPG)	Local Match (20%)
$100,000	$80,000	$20,000

TASK FUNDING SUMMARY FOR FY 2016

Task Funding Summary				
Task	Total CPG funds*	Total 5307 Funds	Local City of Joplin	Total Funds
Transportation Improvement Program	$ 11,024.00	$ -	$ 2,756.00	$ 13,780.00
Unified Planning Work Program	$ 51,776.80	$ -	$ 12,944.20	$ 64,721.00
Geographic Information Systems	$ 39,228.00	$ -	$ 9,807.00	$ 49,035.00
Transit Planning	$ -	$ 38,032.80	$ 9,508.20	$ 47,541.00
Programs, Software, and Hardware	$ 16,118.72	$ -	$ 4,029.68	$ 20,148.40
Comp. Plan Update, Phase II	$ 60,000.00	$ -	$ 40,000.00	$100,000.00
Bike/Ped Plan Update	$ 80,000.00	$ -	$ 20,000.00	$100,000.00
Total	$258,147.52	38,032.80	$99,045.08	$395,225.40
Note: *includes PL and 5303.				

SUMMARY BY FUNDING SOURCE

Funding Summary by Funding Source	
FHWA PL & FTA Section 5303 Funds (Consolidated Planning Grant)	$258,147.52
Local Match (20% of Consolidated Funds-FHWA PL Funds and FTA Section 5303 Funds)	$99,045.08
FTA Section 5307 Share	$38,032.80
Local Match (20% of Total Task Cost using FTA Section 5307 Funds)	$ 9,508.20
Total Programmed	$404,733.60

CPG BALANCE TRACKING FOR FY 2016

CPG Balance Tracking	
2016	
End of FY 2015 CPG balance	$896,510.11
FY 2016 CPG allocation	$192,386.00
CPG funds programmed for FY 2016	$258,147.52
Maximum 5 year balance	$918,641.00
CPG funds balance after FY 2016	$830,748.59

JATSO greatly appreciates the advice and technical assistance provided by MoDOT, FHWA, and FTA in the course of conducting local planning activities. JATSO recognizes that planning is a multi-faceted activity, requiring knowledge of a variety of subjects. The dedication and cooperative spirit displayed by these agencies is greatly appreciated.

The preparation of this UPWP is financed in part by FTA and FHWA Consolidated Planning Grant funds that are administered by MoDOT.

JATSO Organizational Chart

Staff is located at the City of Joplin offices and are dedicated to JATSO activities.

Full-time staff

Robert Lolley, Transit Coordinator (1.0 FTE)
Taylor Cunningham, Planner (1.0 FTE)

Part-time staff

Troy Bolander, Director of Planning, Development and Neighborhood Services (0.5 FTE)
Lindsay Dunn, Planning, Development and Neighborhood Services Clerk (0.5 FTE)
John Gilligan, GIS Coordinator (0.5 FTE)

JATSO Policy Board Voting Members

Chairman Nick Heatherly	**Director of Public Works**	**City of Joplin**
Vice Chairman Troy Bolander	Director of Planning, Development, and Neighborhood Services	City of Joplin
Dan Salisbury	Assistant Director of Public Works	City of Joplin
Lynden Lawson	Assistant Director of Public Works – Operations	City of Joplin
Robert Lolley	Transit Coordinator	City of Joplin
Steve Stockham	Airport Manager	City of Joplin
Carl Francis	Interim City Administrator	City of Webb City
Steve Lawver	City Administrator	City of Carl Junction
Jill Cornett	Director	Harry S. Truman Coordinating Council
Darieus Adams	Commissioner	Jasper County
Marilyn Ruestman	Commissioner	Newton County
Becky Baltz	Southwest District Engineer	Missouri Department of Transportation
Michael Swan, Alternate	Transportation Planner	Harry S. Truman Coordinating Council
Frank Miller, Alternate	Senior Transportation Planner	Missouri Department of Transportation

JATSO Metropolitan Planning Area (MPA) Boundary Map

