JOPLIN AREA TRANSPORTATION STUDY ORGANIZATION

Fiscal Year 2019

Unified Planning Work Program

November 1, 2018 To October 31, 2019

Joplin Area Transportation Study Organization

602 Main Street • Joplin, Missouri 64804

(417) 624-0820

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LIST OF ACRONYMS

ADA Americans with Disabilities Act

CART Citizens Advisory Recovery Team

CPG Consolidated Planning Grant

ESRI A geographic information system company

FAST Act Fixing America's Surface Transportation Act

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

MTP Metropolitan Transportation Program

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 the 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 Metropolitan Transportation Plan (MTP).

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 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), Moving Ahead for Progress in the 21st Century (MAP-21), and the Fixing America's Surface Transportation Act (FAST Act).

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 JATSO organization is governed by the JATSO Policy Board that 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 Harry S. Truman Coordinating Council, the local regional planning commission, represents the smaller villages and unincorporated area on the JATSO Policy Board.

The organization and responsibilities of the various agencies involved in the metropolitan 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 except where jurisdictions are completing individual planning projects.

PLANNING FACTORS

The Federal transportation planning regulations 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 ten 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.
9. Improve the resiliency and reliability of the transportation system and reduce or mitigate storm water impacts of surface transportation
10. Enhance travel and tourism

In 2012, the Moving Ahead for Progress in the 21st CentuRy Act (MAP-21) was signed into law. MAP-21 transformed federal transportation grant programs by establishing new requirements for performance management and performance-based planning and programming to ensure the most efficient investment of federal transportation funds. The Fixing America's Surface Transportation Act (FAST Act) was signed into law in 2015 and contined the performance management and performance-based planning and programming requirements of MAP-21 with minor changes. In implementing MAP-21 and FAST Act, state Departments of Transportation (DOT's), MPO's and providers of public transportation must:

- establish performance targets that reflect the measures;
- report on progress towards achieving those targets
- develop performance-based plans implement a performance-based approach to planning and programming

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 MTP, 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 (https://www.joplinmo.org/947/Public-Participation). 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.

FY 2019 Program Goals

The annual transportation planning program begins on November 1, 2018 and continues through October 31, 2019. 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 2019, JATSO's goals are:

- Improve metropolitan transportation planning through better cooperation and communication from JATSO, MoDOT, and ONEDOT. (Short-Range Transportation Planning and Programming; Program Support and Administration; Transit Planning;)
- Increase public and public agency participation in the JATSO transportation planning process. (Short-Range Transportation Planning and Programming; Program Support and Administration; Geographic Information Systems; Transit Planning; Programs, Hardware, and Software; Initiate MTP Update)
- Update the 2018-2021 TIP as needed (Short-Range Transportation Planning and Programming)
- Improve the operational and technical capacity of the JATSO metropolitan transportation planning process. (Short-Range Transportation Planning and Programming; Program Support and Administration; Geographic Information Systems; Transit Planning; Programs, Hardware, and Software; Initiate MTP Update)

FY 2019 WORK TASKS

TASK 1: SHORT RANGE TRANSPORTATION PLANNING AND PROGRAMMING

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 metropolitan transportation plan.

CURRENT STATUS

The JATSO FY 2018-2021 TIP was developed throughout FY 2017 and approved by the JATSO Policy Board on October 16, 2017. The TIP will be modified throughout FY 2019 as needed by the completion of JATSO TIP amendments and/or administrative actions.

TASKS COMPLETED IN FY 2018

- Staff maintained and monitored the projects in the JATSO FY 2018-2021 TIP
- Staff updated the 2018-2021 TIP as needed
- Executed the JATSO/MoDOT annual self-certification document and facilitated its review and approval by the JATSO Policy Board and the ONE DOT.
- Developed the annual listing of obligated projects for FY 2017.

FY2019 WORK ITEMS

- Administration – 85%
    - Update TIP 2020-2023
    - Complete TIP amendments and modifications as needed to 2018-2021 TIP
    - Prepare the FY 2018 Annual Listing of Obligated Projects
    - Coordinate with local jurisdictions on transportation projects to promote regional coordination and cooperation in carrying out planning program activities
    - Performance management regarding MoDOT safety and transit target measures
    - Incorporate performance measures and targets into the TIP and MTP as needed
    - Plan and coordinate projects that support JATSO transportation infrastructure
    - Manage day-to-day operations of JATSO
- Outreach – 15%
    - 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 posted to the JATSO webpage fourteen (14) days in advance of the public meeting. TIP amendments will have a public comment period of seven (7) days. The public is encouraged to formulate comments regarding the TIP document.

FY2019 END PRODUCTS

- Complete update of JATSO FY 2020-2023 TIP
- Complete JATSO FY 2018-2021 TIP amendments and administrative modifications as needed
- Prepared the FY 2018 Annual Listing of Obligated Projects

- Coordinate with local jurisdictions on transportation projects to promote regional coordination and cooperation in carrying out planning program activities
- Performance management regarding MoDOT safety and transit target measures
- Incorporate target measures into the TIP and MTP as needed

Schedule for Completion

Activities will be on-going from November 1, 2018 through October 31, 2019

Budget

Total Cost	Federal Funds (80%)	Local Funds (20%)
$59,000	$47,200	$11,800

Task 2: Program Support and Administration

Objective

JATSO staff will maintain the approved UPWP for the current FY 2019 and develop the FY 2020 UPWP.

Current Status

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

Tasks Completed in FY 2018

- Amended the FY 2018 UPWP
- Developed the FY 2019 UPWP
- Conducted four public meetings
- Created and provided informational handouts at all public meetings
- Updated the JATSO website with current information and work products
- Participated in monthly coordination meetings with MoDOT
- Prepared and transmitted quarterly progress reports to MoDOT
- Developed the transition to performance-based planning and programming
- Updated the City of Joplin's Comprehensive Plan
- Updated Joplin's Bike/Ped Plan
- Conducted a Traffic Corridor Study sponsored by the city of Carl Junction
- Conducted an Aerial Photography Update of JATSO's area
- Participated in the Feb. 2018 Statewide Planning Partner meeting
- Attended annual bi-state MPO meeting in St. Joseph (KAMPO) in Dec. 2017
- Attended State and Metropolitan Transportation Programming, May 1-3, 2018 in St. Louis

FY 2019 Work Items

- Administration – 30%
    - Monitor and maintain the FY 2019 UPWP
    - Prepare and transmit quarterly progress reports to MoDOT
    - Prepare the FY 2020 UPWP
    - Document all MPO activities
    - Identify and evaluate potential projects for the FY 2020 UPWP
    - Program additional tasks in FY 2019 as needed
- General Transportation Planning – 50%
    - Participate in MoDOT district and statewide planning activities
    - Prepare amendments to the Metropolitan Transportation Plan (MTP) as needed
    - Maintain inventory of transportation needs and priorities
    - Conduct JATSO Policy Board meetings
    - Ongoing coordination of JATSO activities with disaster recovery planning efforts
    - Staff professional development
    - Attend training sessions and technical assistance meetings for performance management
    - Develop transition to performance-based planning and programming
    - Attend Clean Air Alliance Meetings as needed
- Outreach – 20%
    - Conduct public meetings
    - Create informational hand-outs for public use
    - Ongoing outreach to JATSO member agencies
    - Ensure agencies receiving federal transportation funds maintain accurate financial records

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.

FY2019 End Products

- Four (4) FY 2019 quarterly progress reports to MoDOT
- The JATSO FY 2020 UPWP completed in September 2019
- Maintained and update prioritized list of needs in the JATSO area as needed
- Continue update of JATSO's website with new information and amendments
- Improve metropolitan transportation planning through better cooperation and communication from JATSO, MoDOT, and ONEDOT.
- Increase public and public agency participation in the JATSO transportation planning process
- Improve operational and technical capacity of the JATSO metropolitan transportation planning process
- Review finance invoices

Schedule for Completion

Activities will be on-going from November 1, 2018 through October 31, 2019.

BUDGET

Total Cost	Federal Funds (80%)	Local Funds (20%)
$149,000	$119,200	$29,800

TASK 3: GEOGRAPHIC INFORMATION SYSTEMS

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 2018

- Staff maintained and updated street, trail, subdivision, zoning, sewer, flood plain, and ownership GIS layers.
- ArcMap license was renewed through ESRI

FY 2019 WORK ITEMS

- Administration – 55%
    - 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 – 25%
- Maintaining the GIS website – 15%
- Purchase GIS project supplies – 5%

FY 2019 END PRODUCTS

- Maintain GIS layers
- Update street, subdivision, zoning, and property ownership layers.
- Update aerial photography and contour, flood plain, census, environmental and traffic count layers as needed.
- Update data and maps to reflect change in transit/multi-modal facilities
- Update ArcMap software license through ESRI – $15,326
- Update TransCAD software license through ESRI – $2,400

SCHEDULE FOR COMPLETION

Activities will be on-going from November 1, 2018 through October 31, 2019.

BUDGET

Total Cost	Federal Funds (80%)	Local Funds (20%)
$85,900	$68,720	$17,180

TASK 4: TRANSIT PLANNING

OBJECTIVE

The Transit Coordinator will provide program and administrative support for the Metropolitan Area Public Transit System (MAPS) and the Sunshine Lamp Trolley system. The Transit Coordinator will conduct long and short-range transit planning responsibilities.

CURRENT STATUS

The Transit Coordinator continues with program support and administration.

TASKS COMPLETED IN FY 2018

- Transit Coordinator monitored the MAPS and collected data and information.
- Transit Coordinator monitored the Sunshine Lamp Trolley system.
- Transit Coordinator planned for the development of a transfer station and updated trolley routes.

FY 2019 WORK ITEMS

- Administration – 100%
    - The Transit Coordinator collects and records transit data and information and reports the data findings to local, state and federal government agencies.
    - The Transit Coordinator and JATSO staff use data and information to complete short and long-range planning responsibilities.
    - The Transit Coordinator monitors and analyzes Sunshine Lamp Trolley system.
    - Review transit targets and update TAMP plan if necessary.

FY 2019 END PRODUCTS

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

SCHEDULE FOR COMPLETION

Activities will be on-going from November 1, 2018 through October 31, 2019.

BUDGET

Total Cost	Federal 5307 Transit Funds (80%)	Local Funds (20%)
$79,000	$63,200	$15,800

TASK 5: PROGRAMS, HARDWARE, AND SOFTWARE

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 2018

- 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.
- JATSO updated their TransCAD software

FY 2019 WORK ITEMS

- Maintaining the JATSO website
- Maintaining JATSO's TransCAD model
- Annual maintenance fees for two (2) TransCAD licenses
- Purchase new traffic counters for the City of Joplin ($1500 each)

FY 2019 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.
- Update JATSO's two TransCAD licenses
- Maintain JATSO travel demand model in TransCAD.

SCHEDULE FOR COMPLETION

Activities will be on-going from November 1, 2018 through October 31, 2019.

BUDGET

Total Cost	Federal Funds (80%)	Local Funds (20%)
$20,698.30	$16,558.64	$4,139.66

Task 6: Initiate Update of the Metropolitan Transportation Plan (MTP)

Objective

The JATSO 2036 Metropolitan Transportation Plan (MTP) was adopted by the JATSO policy board on March 7, 2016. According to Federal Requirements, there must be an updated Metropolitan Transportation Plan by the end of FY 2020.

Current Status

The existing Metropolitan Transportation Plan needs to be updated every 5 years. This will take approximately one year to complete, beginning FY 2020.

Tasks Completed in FY 2018

- Formation of Policy and Technical Subcommittees for the project

FY 2019 Work Items

- An RFQ will be sent out by the end of the second quarter
- Select a consultant

FY 2019 End Products

- A consultant will be selected that will initiate the MTP update, starting at the beginning of FY 2020

Schedule for Completion

Selection of a consultant will be completed by the end of the fourth quarter of FY 2019.

Budget

Total Cost	Federal Funds (80%)	Local Funds (20%)
$15,000	$12,000	$3,000

TASK FUNDING SUMMARY

Task	Total CPG Funds	Total 5307 Funds	Local Match	Total
Short Range Transportation Planning	$ 47,200.00	$ -	$ 11,800.00	$ 59,000.00
Program Support and Administration	$ 119,200.00	$ -	$ 29,800.00	$ 149,000.00
Geographic Information Systems	$ 68,720.00	$ -	$ 17,180.00	$ 85,900.00
Transit Planning	$ -	$ 63,200.00	$ 15,800.00	$ 79,000.00
Programs, Software, and Hardware	$ 16,558.64	$ -	$ 4,139.66	$ 20,698.30
Initiate Update of Metropolitan Transportation Plan	$ 12,000.00	$ -	$ 3,000.00	$ 15,000.00
Total	$ 263,678.64	$ 63,200.00	$ 81,719.66	$ 408,598.30

SUMMARY BY FUNDING SOURCE

Funding Summary by Source	
Consolidated Planning Grant Funds	$ 263,678.64
5307 Funds	$ 63,200.00
Local Match	$ 81,719.66
Total Funds Allocated	$ 408,598.30

CPG BALANCE TRACKING

FY 2018	
CPG balance prior to FY 2018	$ 904,580.08
FY 2018 CPG allocation	$ 194,382.00
Total FY 2018 CPG funds expended (8/14/18)	$ (74,683.66)
FY 2019	
Estimated FY 2019 Allocation	$ 194,382.00
Total Estimated CPG Funds Available for FY 2019	$ 1,024,278.42
Total Programmed CPG Funds for FY 2019 UPWP	$ 408,598.30
Remaining Unprogrammed Balance	$ 810,062.10

The total amount of the Consolidated Planning Grant (CPG) and FTA Section 5307 budgeted for FY 2018 is estimated at $743,678.64 and $63,200.00. JATSO is budgeting $201,719.00 in local match for planning tasks in FY 2019, resulting in an overall program budget of $1,008,597.64 (includes FTA Sec. 5307). JATSO has approximately $474,981.78 of un-programmed CPG funds. JATSO has been working to identify program areas that could benefit from the utilization of CPG funding in order to spend down the current balance, including utilizing CPG funds for the salaries of those who do transportation planning work but had not been previously billing to the MPO. All current needs related to CPG funding have been identified and implemented in the FY 2019 UPWP. Projects will continue to be identified in the future. The available local match funds from jurisdictions within the MPO have been programmed into the UPWP.

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)

Part-time Staff

Troy Bolander, MPO Staff Director (0.5 FTE)

David Hertzberg, JATSO Board Chairman (0.5 FTE)

Patricia Heagel, Planning and Development Assistant Director (0.25 FTE)

Dan Johnson, Public Works Assistant Director (0.25 FTE)

Lyndon Lawson, Public Works Director of Operations (0.25 FTE)

Edward Whitmore, City of Joplin/JATSO Planner (0.8 FTE)

Paul Zerkel, Transportation Engineer (0.25 FTE)

Mallory Detherage, Finance Budgeting (0.25 FTE)

Lindsay Dunn, Clerk (0.25 FTE)

John Gilligan, GIS Coordinator (0.8 FTE)

Brandon Louderback, GIS Technician (0.5 FTE)

JATSO Policy Board Voting Members

Chairman David Hertzberg	Director of Public Works	City of Joplin
Vice Chairman Troy Bolander	Director of Planning, Development, and Neighborhood Services	City of Joplin
Dan Johnson	Assistant Director of Public Works	City of Joplin
Lynden Lawson	Assistant Director of Public Works, Operations	City of Joplin
Robert Lolley	MAPS Transit Coordinator	City of Joplin
Steve Stockham	Airport Manager	City of Joplin
Carl Francis	City Administrator	City of Webb City
Steve Lawver	City Administrator	City of Carl Junction
Jill Cornett	Executive Director	Truman Council
Darieus Adams	County Commissioner	Jasper County
Marilyn Ruestman	County Commissioner	Newton County
Darin Hamelink	Southwest District Engineer	Missouri Dept. of Transportation
Alternate Frank Miller	SW District Planning Manager	Missouri Dept. of Transportation
Alternate Nikki Hill	Transportation Planner	Truman Council

JATSO Planning Area Boundary Map

