JOPLIN AREA

Transportation Study Organization

Fiscal Year 2022 Unified Planning Work Program

Approved by the JATSO Policy Board on September 16, 2021

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) 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 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 are mandated by the 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 organizations: 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 is the local regional planning commission and represents 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 these sources: FHWA, FTA, the City of Joplin, and local jurisdictions, as applicable. 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 4 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. MAP21 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 continued the performance management and performance-based planning and programming requirements of MAP-21 with minor changes. In implementing MAP-21 and the FAST Act, state Departments of Transportation (DOTs), MPOs 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 Work Activities

There are multiple work activities that are considered eligible for federal transportation planning funds. Eligible work activities must support the JATSO regional transportation planning process.

Public Participation Plan

The purpose for the Public Participation Plan (PPP) adopted in 2016 is to involve the public in the planning process, since the purpose of regional planning is to meet public mobility needs. The PPP outlines a process for the public comments on the MTP, TIP, UPWP, Title VI/ Environmental Justice and at public meetings. See Table 1 for the comment periods required for various MPO work products. A paper copy of the PPP 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. Electronic copies of the PPP, Title VI Plan and Limited English Proficiency Plan can be found on the City of Joplin website at this link: https://www.joplinmo.org/922/Plansand-Publications.

FY 2022 Program Goals

The annual transportation planning program begins on November 1, 2021 and continues through October 31, 2022. 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 2022, JATSO's goals are:

1. Increase community engagement by using the JATSO website, social media, and other online tools to reach as many residents of the JATSO planning area as possible.
2. Develop and adopt the 2022-2025 JATSO TIP in accordance with state and federal standards.
3. Assess the active transportation network in the JATSO metropolitan planning area (MPA) to find creative opportunities to increase network connectivity and ease of use.
4. Continue to improve the operational and technical capacity of the JATSO metropolitan transportation planning process.
5. Monitor and respond to the ongoing COVID-19 crisis in the JATSO MPA.

Task 1 – Program Support and Administration

Objective

JATSO staff will manage the transportation planning program for the metropolitan planning area, conduct public meetings, develop and administer the UPWP, and attend professional development and training events

Status

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

FY 2021 Work Items Completed

- Amended FY 2021 UPWP as needed
- Submitted UPWP quarterly progress reports and invoices to MoDOT
- Developed the FY 2022 UPWP
- Conducted five public meetings
- Updated the JATSO website with current information and work products
- Participated in monthly coordination meetings with MoDOT
- Participated in the February 2021 Statewide Planning Partner meeting
- Built new JATSO website

FY 2022 Work Items

- Develop the FY 2023 UPWP
- Make any necessary amendments to the FY 2022 UPWP
- Plan and conduct public meetings in accordance with the PPP
- Maintain and update the JATSO website
- Monitor and update planning documents
- Prepare and transmit quarterly progress reports and invoices to MoDOT
- Participate in MoDOT's district and statewide planning partner activities
- Participate in trainings, webinars, and conferences related to transportation planning as they become available

Public Participation

Any adoption of a UPWP or UPWP amendment will comply with JATSO's Public Participation Plan. This requires a seven (7) day public comment period prior to JATSO meetings and any updates to the UPWP. A news release will be issued and posted to the JATSO webpage in advance of the public meeting.

FY 2022 End Products

- FY 2023 UPWP
- Any necessary amendments to the FY 2022 UPWP
- Four (4) quarterly progress reports and invoices submitted to MoDOT

Schedule for Completion

This work is ongoing.

Task 1 Budget Breakdown

Budget Item	Total Cost	Federal Share	Local Share
Staff Time	$118,776	$95,021	$23,755
Software	$350	$280	$70
Website	$906	$725	$181
File Cabinet	$300	$240	$60
New laptop	$1,500	$1,200	$300
Travel Expenses	$2,000	$1,600	$400
Conferences and Seminars	$1,000	$800	$200
Dues and Memberships	$1,100	$880	$220
Total	$125,932	$100,746	$25,186

Task 2 – Short Range Transportation Planning

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. JATSO updates its TIP every other year.

Status

Staff developed the FY 2022-2025 TIP during FY 2021 for approval by the JATSO Policy Board. FY 2022 work on the TIP will include updates and amendments.

FY 2021 Work Items Completed

- Maintained and monitored the projects in the JATSO FY 2020-2023 TIP
- Updated the 2020-2023 TIP as needed
- Prepared the FY 2020 Annual Listing of Obligated Projects
- Coordinate with local jurisdictions on transportation projects to promote regional coordination and cooperation in carrying out planning program activities
- Voted to support MoDOT performance targets
- Incorporated target measures into the TIP and MTP
- Created and adopt the 2022-2025 TIP

FY 2022 Work Items

- Amend the FY 2022-2025 TIP as needed
- Prepare the FY 2021 Annual Listing of Obligated Projects
- Coordinate with local jurisdictions on transportation projects to promote regional coordination and cooperation in carrying out planning program activities
- Incorporate performance measures and targets into the TIP and MTP as needed
- Plan and coordinate projects that support JATSO transportation infrastructure
- Conduct Public Meetings for TIP adoption and amendments in accordance with the Public Participation Plan

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.

FY 2022 End Products

- Board approved FY 2022-2025 TIP
- FY 2021 Annual Listing of Obligated Projects

Schedule for Completion

Activities will be on-going from November 1, 2021 through October 31, 2022

Task 2 Budget Breakdown

Budget Item	Total Cost	Federal Share	Local Share
Staff Time	$55,120	$44,096	$11,024
Total	$55,120	$44,096	$11,024

Task 3 – Long Range Transportation Planning

Long range transportation planning's purpose is to prepare for the long-term health and growth of the regional transportation system, both motorized and non-motorized. This includes JATSO's Metropolitan Transportation Plan (MTP) and Bicycle and Pedestrian Plan (BPP). Additional tools, studies, and plans that pertain to long-range transportation planning are found in Task 3.

Status

Transportation needs in the JATSO planning area continue to evolve and require more data and tools to provide for transportation planning needs. Three additional studies or assessments are planned for FY 2022, as well as a Complete Streets training and payment of the annual invoice for aerial photography.

FY 2021 Work Items Completed

- Adopted the 2045 JATSO MTP in March 2021
- 80% completed Joplin Active Transportation Assessment

FY 2022 Work Items

- Retain professional services to conduct a freight assessment of the JATSO area
- Retain professional services to conduct a maintenance assessment and plan for Webb City to define long-term transportation maintenance needs
- Retain professional services to conduct a traffic study in Joplin
- Retain professional services to provide Complete Streets training for staff and community leaders
- Pay annual invoice for aerial photography agreement
- Finish remainder of work for Joplin Active Transportation Assessment that was delayed due to COVID-19

Public Participation

JATSO will work with the consultants on all projects to create robust public engagement plans that comply with the PPP.

FY 2022 End Products

- Complete JATSO Freight Study
- Complete Webb City maintenance assessment and plan
- Complete Joplin traffic study

- Provide one Complete Streets training
- Complete Joplin Active Transportation Assessment

Schedule for Completion

All studies and trainings are expected to be completed by the end of FY 2022.

Task 3 Budget Breakdown

Budget Item	Total Cost	Federal Share	Local Share
Staff Time	$ 36,747	$ 29,398	$ 7,349
Freight Study	$ 180,000	$ 144,000	$ 36,000
Local Traffic Studies	$ 45,000	$ 36,000	$ 9,000
Complete Streets Training	$ 5,000	$ 4,000	$ 1,000
Aerial Photography	$ 22,346	$ 17,877	$ 4,469
Total	$ 289,093	$ 231,275	$ 57,819

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.

Status

The Transit Coordinator continues with program support and administration.

FY 2021 Work Items Completed

- 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 2022 Work Items

- 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.
- The Transit Coordinator will continue to plan for the development of a transfer station and updated trolley routes with available resources.

Public Participation

The Transit Coordinator and MPO staff will hold public meetings and gather input in accordance with the Public Participation Plan.

FY 2022 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, 2021 through October 31, 2022.

Task 4 Budget Breakdown

Budget Item	Total Cost	Federal Share	Local Share
Staff Time	$ 93,760	$ 75,008	$ 18,752
Total	$ 93,760	$ 75,008	$ 18,752

Task 5 – Geographic Information Systems

Objective

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

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 JATSO's GIS databases as it becomes available.

FY 2021 Work Items Completed

- Staff maintained and updated street, trail, subdivision, zoning, sewer, flood plain, and ownership GIS layers.
- ArcMap software license was renewed through ESRI
- Maintain and update GIS layers used by JATSO, MAPS, the Harry S. Truman Coordinating Council and local governments and agencies.
- Annual ESRI licensing fee
- Maintaining the GIS website

FY 2022 Work Items

- Maintain and update GIS layers used by JATSO, MAPS, HSTCC, and member local governments and agencies
- Renew annual ESRI ArcMap license
- Maintain the GIS website

FY 2022 End Products

- Updated and maintained GIS layers
- Updated ArcMap software license

Schedule for Completion

Activities will be on-going from November 1, 2021 through October 31, 2022.

Task 5 Budget Breakdown

Budget Item	Total Cost	Federal Share	Local Share
Staff Time	$ 65,966	$ 52,773	$ 13,193
ESRI License Update	$ 16,000	$ 12,800	$ 3,200
Total	$ 81,966	$ 65,573	$ 16,393

Financial Summary Tables

Task Funding Breakdown

Task	CPG funds	5307 funds	Local funds	Total
Program Support and Administration	$100,746		$25,186	$125,932
Short Range Transportation Planning	$44,096		$11,024	$55,120
Long Range Transportation Planning	$231,275		$57,819	$289,093
Transit Planning		$75,008	$18,752	$93,760
Geographic Information Systems	$65,573		$16,393	$81,966
Total	$441,689	$75,008	$129,174	$ 645,872

Source Funding Breakdown

Funding Summary by Source	
Consolidated Planning Grant Funds	$ 441,689
5307 Funds	$ 75,008
Local Match	$ 129,174
Total Funds Allocated	$ 645,872

CPG Balance Tracking

JATSO CPG Balance Tracking	
CPG Balance as of 8/2/21	$ 785,527
Estimated FY 2022 allocation	$ 209,267
Remaining FY 2021 CPG Funds to be expended	$ (80,000)
CPG Funds Programmed for FY 2022	$ (441,689)
Remaining Unprogrammed Balance	$ 473,105

JATSO Information

Organizational Chart

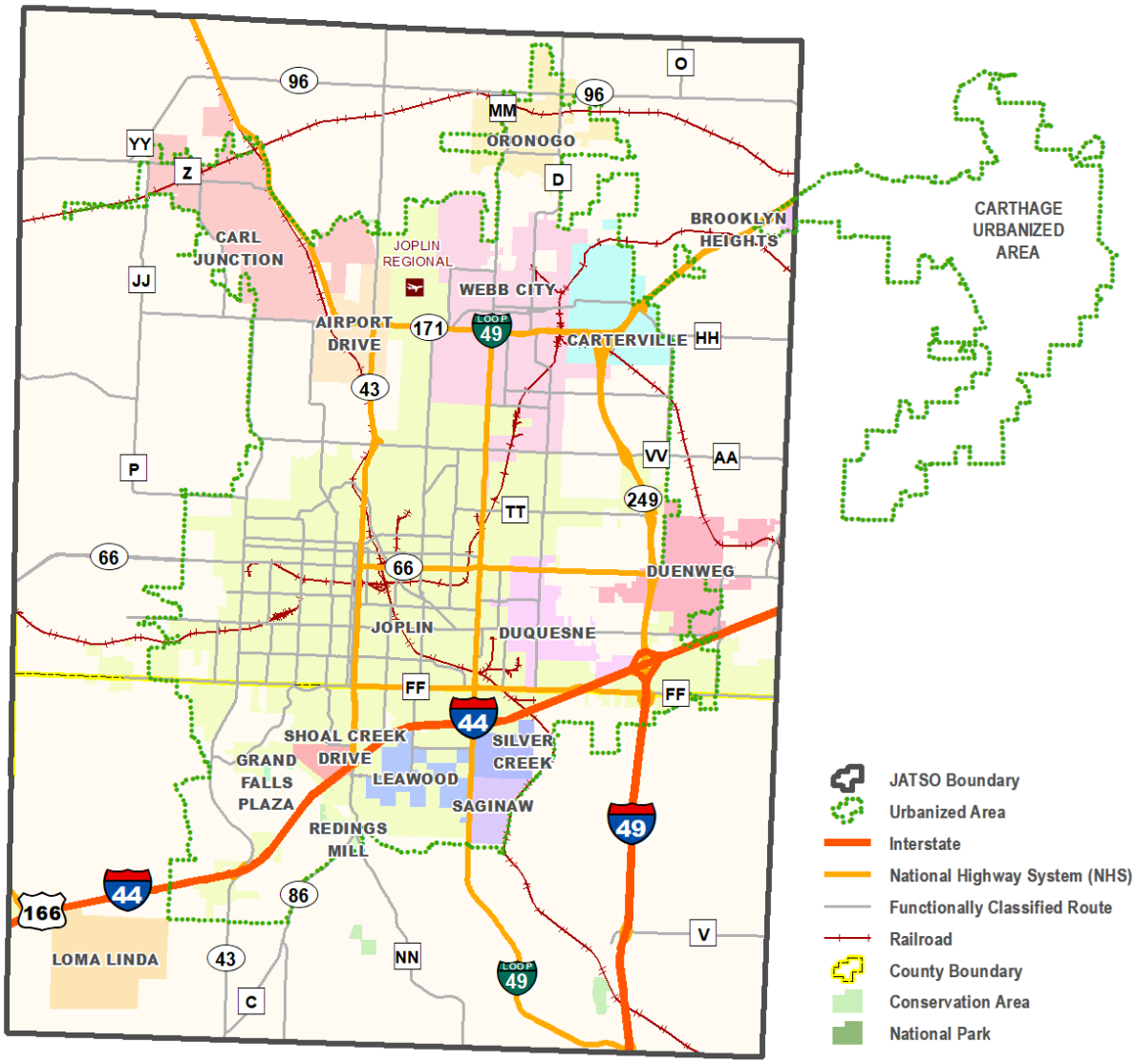
- Taylor Cunningham, Senior Transportation Planner (1.0 FTE)
- Robert Lolley, Transit Director (1.0 FTE)
- John Gilligan, GIS Coordinator (0.8 FTE)
- Troy Bolander, MPO Staff Director (0.5 FTE)
- Patricia Heagel, Planning and Development Assistant Director (0.25 FTE)
- Mallory Wicklund, Finance Budgeting (0.25 FTE)
- Lindsay Dunn, Clerk (0.25 FTE)
- David Hertzberg, JATSO Board Chairman (0.1 FTE)
- Dan Johnson, Public Works Assistant Director (0.1 FTE)
- Lynden Lawson, Public Works Director of Operations (0.1 FTE)

Employee	Task 1	Task 2	Task 3	Task 4	Task 5
Taylor Cunningham	X	X	X		
Robert Lolley				X	
John Gilligan					X
Troy Bolander	X	X	X		
Patricia Heagel	X	X	X		
Mallory Wicklund	X				
Lindsay Dunn	X				
David Hertzberg	X	X	X		
Dan Johnson	X	X	X		
Lynden Lawson	X	X	X		

Voting Members

Name	Agency	Title
David Hertzberg	City of Joplin	Director of Public Works; Chair
Troy Bolander	City of Joplin	Director of Planning; Vice Chair
Lynden Lawson	City of Joplin	Assistant Director of Public Works – Operations
Dan Johnson	City of Joplin	Assistant Director of Public Works – Engineering
Steve Stockham	City of Joplin	Airport Manager
Robert Lolley	City of Joplin	Transit Director
Carl Francis	City of Webb City	City Administrator
Steve Lawver	City of Carl Junction	City Administrator
Garrett Brinks	Harry S. Truman Coordinating Council	Executive Director
Dave Taylor	Missouri Department of Transportation	Area Engineer
Darieus Adams	Jasper County	Commissioner
Bill Reiboldt	Newton County	Commissioner
Frank Miller	Missouri Department of Transportation	Southwest District Planning Manager; Alternate
Transportation Planner	Harry S. Truman Coordinating Council	Transportation Planner; Alternate
Dakota Rusk	City of Joplin	Traffic Engineer; Alternate

JATSO Boundary Map



Designated by Governor Bond in May 1983.