JOPLIN AREA

Transportation Study Organization

Fiscal Year 2021 Unified Planning Work Program

Adopted by the JATSO Policy Board on _____.

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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 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 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 three sources: FHWA, 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 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/Plans-and-Publications.

FY 2021 Program Goals

The annual transportation planning program begins on November 1, 2020 and continues through October 31, 2021. 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 2021, 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. Adopt a robust and user-friendly MTP that will help JATSO make transportation planning and policy decisions.
4. Assess the active transportation network in the JATSO metropolitan planning area (MPA) to find creative opportunities to increase network connectivity and ease of use.
5. Continue to improve the operational and technical capacity of the JATSO metropolitan transportation planning process.
6. 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 2020 Work Items Completed
- Amended FY 2020 UPWP as needed
- Submitted UPWP quarterly invoices to MoDOT
- Developed the FY 2021 UPWP
- Conducted four public meetings
- Updated the JATSO website with current information and work products
- Participated in monthly coordination meetings with MoDOT
- Prepared and transmitted UPWP quarterly progress reports to MoDOT
- Participated in the Feb. 2020 Statewide Planning Partner meeting

FY 2021 Work Items
- Develop the FY 2022 UPWP
- Make any necessary amendments to the FY 2021 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 to MoDOT
- Participate in MoDOT's district and statewide planning partner activities
- Increase engagement through the use of social media and online tools

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 2021 End Products
- FY 2022 UPWP
- Any necessary amendments to the FY 2021 UPWP
- Four (4) quarterly progress reports submitted to MoDOT
- A new JATSO website

Schedule for Completion
This work is ongoing.

Budget
Federal Share (80%): $88,364 Local Share (20%): $22,091 Total: $110,455

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 and will prepare an update in FY 2021.

Status

The JATSO FY 2020-2023 TIP was developed throughout the final quarter of FY 2019 and was modified or amended as necessary through FY 2020. A new TIP will be created and adopted by the end of FY 2021.

FY 2020 Work Items Completed

- Staff maintained and monitored the projects in the JATSO FY 2020-2023 TIP
- Staff updated the 2020-2023 TIP as needed
- Prepared the FY 2019 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 the MoDOT safety and transit target measures
- Incorporated target measures into the TIP and MTP as needed

FY 2021 Work Items

- Create and adopt the 2022-2025 TIP
- Prepare 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
- 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 2021 End Products

- Board approved FY 2022-2025 TIP
- FY 2020 Annual Listing of Obligated Projects

Schedule for Completion

Activities will be on-going from November 1, 2020 through October 31, 2021.

Budget

Federal Share (80%): $41,285 Local Share (20%): $10,321 Total: $51,606

Task 3 – Long Range Transportation Planning

Objective

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).

There are two main projects in Task 3 for FY 2021: completing the MTP update and retain consulting services for active transportation.

Status

JATSO's MTP is being updated with the help of Olsson, Inc. The majority of the MTP update is completed. The final product will be finished by the end of calendar year 2020 and adopted by the JATSO Policy Board in January 2021.

Due to increased interest in active transportation in the JATSO planning area, JATSO will be seeking consulting services to engage and educate community residents and leaders on active transportation and develop specific and creative recommendations for connectivity projects.

FY 2020 Work Items Completed

- Initiated MTP update with Olsson, Inc.
    - Held core team meetings with relevant staff working on MTP
    - Conducted stakeholder meetings and two public meetings virtually due to COVID-19
    - Reviewed drafts of sections as completed

FY 2021 Work Items

- Submit final draft of 2045 MTP to MoDOT and ONE DOT for review
- Present 2045 MTP to JATSO Policy Board for adoption
- Retain professional services to expand assessment and recommendations for active transportation infrastructure, education, and engagement

Public Participation

- JATSO will work with the active transportation consultant to develop a public engagement strategy that meets federal requirements and JATSO's Public Participation Plan.

FY 2021 End Products

- Completed and adopted 2045 MTP
- Active transportation network inventory with recommendations for community engagement, education, and recommendations for connectivity projects with an action plan and potential timeline

Schedule for Completion

Both the MTP and the active transportation inventory and recommendations will be completed by the end of FY 2021.

Budget

Federal Share (80%): $139,524 Local Share (20%): $34,881 Total: $174,405

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 2020 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 2021 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 2021 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, 2020 through October 31, 2021.

Budget

Federal Share (80%): $68,282 Local Share (20%): $17,071 Total: $85,353

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 2020 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
- TransCAD software license renewed through ESRI

FY 2021 Work Items

- 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 2021 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, 2020 through October 31, 2021.

Budget

Federal Share (80%): $48,717 Local Share (20%): $12,179 Total: $60,896

Financial Summary Tables

Task Funding Summary

Task	CPG funds	5307 funds	Local funds	Total
Program Support and Administration	$ 88,364	$ -	$ 22,091	$ 110,455
Short Range Transportation Planning	$ 41,285	$ -	$ 10,321	$ 51,606
Long Range Transportation Planning	$ 139,524	$ -	$ 34,881	$ 174,405
Transit Planning	$ -	$ 68,282	$ 17,071	$ 85,353
Geographic Information Systems	$ 48,717	$ -	$ 12,179	$ 60,896
Total	$ 317,890	$ 68,282	$ 96,543	$ 482,715

Source Funding Summary

Funding Summary by Source	
Consolidated Planning Grant Funds	$317,890
5307 Funds	$68,282
Local Match	$96,543
Total Funds Allocated	$482,715

CPG Balance Tracking

FY 2020	
CPG balance on 10/31/19	$937,364
FY 2020 CPG allocation	$212,470
FY 2020 CPG funds expended on 4/30/20	$(107,405)
FY 2020 CPG funds to be expended by 10/31/2020	$(250,000)
Estimated Ending FY 2020 Balance	$792,429
FY 2021	
Estimated FY 2021 Allocation	$212,470
CPG Funds Available for FY 2021	$1,004,899
Programmed CPG Funds for FY 2021 UPWP	$(317,890)
Estimated Remaining Unprogrammed Balance	$687,009

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		
Lynden Lawson		X	X		
Dan Johnson		X	X		

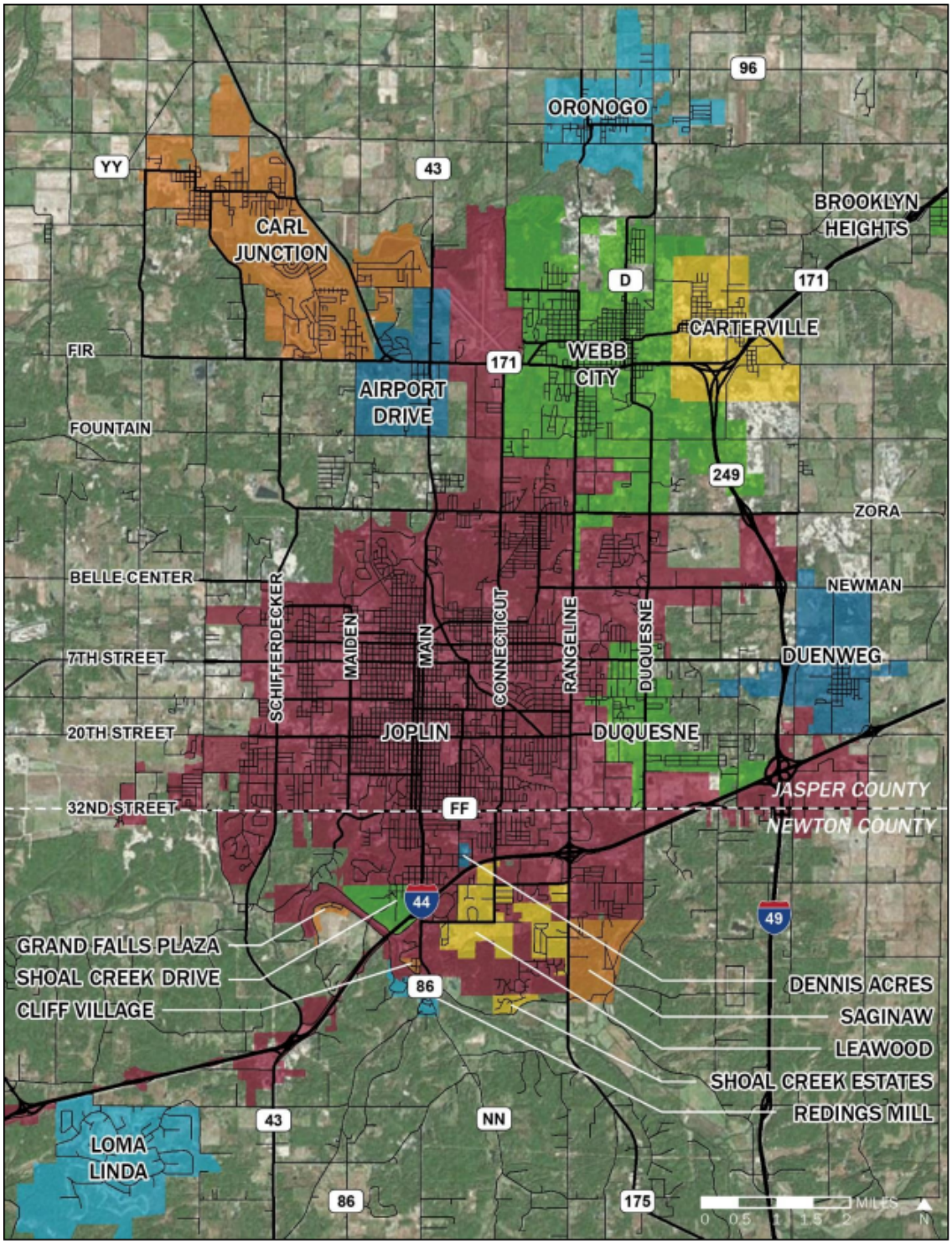
Voting Members

Name	Title	Agency
Darieus Adams	Commissioner	Jasper County
Bill Reiboldt	Commissioner	Newton County
David Hertzberg	Director of Public Works	City of Joplin
Dave Taylor	Southwest District Area Engineer	Missouri Department of Transportation
Troy Bolander	Director of Planning, Development and Neighborhood Services	City of Joplin
Carl Francis	City Administrator	Webb City
Steve Lawver	City Administrator	Carl Junction
Robert Lolley	Transit Coordinator	City of Joplin
Gerritt Brinks	Director	Harry S. Truman Coordinating Council
Steve Stockham	Airport Manager	City of Joplin
Dan Johnson	Assistant Director of Public Works – Engineering	City of Joplin
Lynden Lawson	Assistant Director of Public Works – Operations	City of Joplin

Alternate Voters

Name	Title	Agency
Frank Miller	Southwest District Planning Manager	Missouri Department of Transportation
Carole Meyer	Transportation Planner	Harry S. Truman Coordinating Council

JATSO Metropolitan Planning Area (MPA)



Source: TranSystems, 2017

Approved by the JATSO Board in May 2018.

Designated by Governor Bond in May 1983.