# JATSO

## *JOPLIN AREA TRANSPORTATION STUDY ORGANIZATION*

# FISCAL YEAR 2014
# UNIFIED PLANNING WORK PROGRAM
**NOVEMBER 1, 2013 TO OCTOBER 31, 2014**

**City of Joplin**
**Department of Public Works**
**Division of Planning & Community Development**
**602 Main Street**
**Joplin, Missouri 64804**
**(417) 624-0820**

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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 2014, all five TIGER projects are expected to be completed. These multi-modal projects are primarily focused in areas damaged or destroyed in the May 2011 tornado and will help with redevelopment of these corridors. The area is also anticipating significant land use changes in the years ahead with the relocation of Mercy Hospital and shifts in commercial and office development to south of Interstate 44 as a result. A Transportation Study was completed in FY 2013 that analyzed these future land use changes and made recommendations on needed roadway improvements in the area. Finally, JATSO continues to plan for the future West Bypass that will connect Rt. 66 (7$^{th}$ Street) to Interstate 44 approximately 2 miles from the Kansas/Oklahoma state lines.

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 21$^{st}$ 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 Publictransit 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 (www.jatso.net). 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 2014 Program Goals*

The annual transportation planning program begins on November 1, 2013 and continues through October 31, 2014. 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 2014, JATSO goals are:

- Improve transportation through better cooperation and communication from JATSO, MoDOT, and ONEDOT. (All Tasks)
- Increase participation in JATSO by holding meetings, giving presentations, and increasing advertising. JATSO will continually notify the public of their website so the public is aware of transportation plans and issues within their area. (Tasks 1, 2, 4, 5, and 7)
- Update the TIP as needed. (Task 1)

# TASK 1. Transportation Improvement Program (TIP)

**Objective:** JATSO staff will develop a fiscally constrained area-wide 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 2014-2017 TIP was approved in September 2013 and will be updated as needed for current and future projects in the MPO.

**Tasks Completed in FY 2013:**

- Staff amended the JATSO FY 2011-2014 TIP to include new projects, including a new interchange at Interstate 44 and Prigmor Road/C.R. 190
- Staff maintained and monitored the projects in the JATSO FY 2011-2014 TIP
- Developed and approved the FY 2014-2017 TIP
- Developed the FY 2013 annual listing of obligated projects

**Work Items:**

- *Administration* – 70% ($9,863)
    - Monitor and maintain the FY 2014-2017 TIP
    - Prepare the FY 2013 Annual Listing of Obligated Projects
- *Outreach* – 30% ($4,227)
    - 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 2014-2017 TIP with amendments (as necessary)
- Prepare the FY 2014 Annual Listing of Obligated Projects

**Schedule for Completion:**

- Activities will be on-going from November 2013 through October 2014.

**Budget:**

| Total Cost | Federal Funds (80%) | Local Funds (20%) |
|---|---|---|
| $ 14,090 | $ 11,272 (CPG Funds) | $ 2,818 (Joplin) |

# TASK 2. Unified Planning Work Program (UPWP)

**Objective:** JATSO staff will maintain the approved UPWP for the current fiscal year 2014 and develop the 2015 UPWP.

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

**Tasks Completed in FY 2013:**

- Staff carried out projects in the FY 2013 UPWP
- Staff prepared and transmitted quarterly reports to MoDOT
- Developed the FY 2014 UPWP
- Conducted a total of seven public meetings
- Created and provided informational handouts at all public meetings

**Work Items:**

- Administration – 30% - ($ 19,022)
    - Monitor and maintain the FY 2014 UPWP ($ 3,234)
    - Prepare and transmit quarterly progress reports to MoDOT ($ 6,467)
    - Prepare the FY 2015 UPWP ($ 6,848)
    - Document all MPO activities ($ 2,473)
- General Transportation Planning – 45% - ($ 28,532)
    - Participate in MoDOT district and statewide planning activities ($ 7,133)
    - Prepare minor amendments to the Long-Range Transportation Plan as needed ($ 4,280)
    - Maintain inventory of transportation needs and priorities ($ 6,848)
    - Conduct JATSO Board of Director meetings ($ 2,853)
    - Ongoing coordination of JATSO activities with disaster recovery planning efforts ($ 5,992)
    - Staff professional development ($ 1,426)
- Outreach – 25% - ($ 15,851)
    - Conduct public meetings ($ 9,511)
    - Create informational hand-outs for public use ($ 3,963)
    - Ongoing outreach to JATSO member agencies ($ 1,585)
    - Ensure agencies receiving federal transportation funds maintain accurate financial records ($ 792)

**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 2014 quarterly progress reports to MoDOT
- The JATSO FY 2015 UPWP completed in September 2014
- Prioritized list of bicycle and pedestrian needs in the JATSO area
- 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 2013 through October 2014.

**Budget:**

| Total Cost | Federal Funds (80%) | Local Funds (20%) |
|---|---|---|
| $ 63,405 | $ 50,724 (CPG Funds) | $ 12,681 (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.

**Tasks Completed in FY 2013:**

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

**Work Items:**

- Administration – 100% - ( $ 39,921)
    - 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.

**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
- Updated data and maps to reflect change in transit/multi-modal facilities

**Schedule for Completion**:

- Activities will be on-going from November 2013 through October 2014.

**Budget:**

| Total Cost | Federal Funds (80%) | Local Funds (20%) |
|---|---|---|
| $ 39,921 | $ 31,937 (CPG Funds) | $ 7,984 (Joplin) |

# 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 2013:**

- Staff monitored the MAPS and collected data and information

**Work Items:**

- *Administration – 100%* - ($55,328)
    - The MAPS transit coordinator collects and records transit data and information and reports the data findings to local, state and federal government agencies. ($ 13,832)
    - The MAPS transit coordinator and JATSO staff use data and information to complete short and long-range planning responsibilities. ($ 16,598)
    - Transit coordinator monitors and analyzes Sunshine Lamp Trolley system. ($ 13,832)
    - Explore the feasibility of a trolley route to southwestern parts of Joplin. ($ 5,533)
    - Route revisions to the existing trolley to provide service to the new Mercy Hospital location. ($ 5,533)

**End Products:**

- Transit coordinator carries out the daily operations of MAPS.
- Transit coordinator provides MoDOT and FTA with necessary transit data and documentation.
- Completed feasibility study for new trolley route to southwest Joplin area.
- Routes revised to provide service to the new Mercy Hospital location (planned opening in early 2015).

**Schedule for Completion**:

- Activities will be on-going from November 2013 through October 2014.

**Budget:**

| Total Cost | Federal (80%) | Local Funds (20%) |
|---|---|---|
| $55,328 | $ 44,262 (FTA Sec. 5307) | $ 11,066 (Joplin) |

# TASK 5. Programs, Software & Hardware

**Objective:** To maintain an interactive GIS website for the Joplin MPO.

**Current Status:** Midland GIS continues to host the www.joplinmogis.com website for the purposes of managing information. Staff is currently working towards incorporating additional information for any MPO local public or state agency that chooses to participate.

**Tasks Completed in FY 2013:**

- JATSO staff maintained an interactive website that includes zoning, street, subdivision, and parcel information as well as posting meeting information. News releases are posted to the City of Joplin's main webpage.
- Portable electronic tablet purchased for use by staff.

**Work Items:**

- *Maintaining the website* – 100% - ($7,200)

**End Products:**

- Maintain an interactive GIS website that includes zoning, street, subdivision, parcel, and any other pertinent information.

**Budget:**

| Total Cost | Federal Funds (80%) | Local Funds (20%) |
|---|---|---|
| $ 7,200 | $ 5,760 (CPG Funds) | $ 1,440 (Joplin) |

# 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 2013:**

- JATSO staff issued an RFQ and conducted a Qualifications Based Selection for consultant services for the Comprehensive Plan Update (Phase II).

**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, Long-Range Transportation Plan (LRTP), 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 LRTP, adopted in 2010, 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 LRTP 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.

**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**:

- JATSO will develop a Request for Qualifications (RFQ) and form a consultant selection committee to review the RFQs received. The committee will recommend a qualified consultant to perform the land use code update to achieve sustainable redevelopment.

**Budget:**

| Total Cost | Federal Funds (80%) | Local Funds (20%) |
|---|---|---|
| $ 80,000 | $ 64,000 (CPG Funds) | $ 16,000 (Joplin) |

# TASK FUNDING SUMMARY

| Task | FHWA PL & FTA Section 5303 (CPG) Total Cost | FTA Section 5307 | Local | Total Funds |
|---|---|---|---|---|
| 1. Transportation Improvement Program | $ 11,272 | $0 | $ 2,818 | $ 14,090 |
| 2. Unified Planning Work Program – Administration & Operations | $50,724 | $0 | $ 12,681 | $63,405 |
| 3. Geographic Information Systems | $31,937 | $0 | $ 7,984 | $39,921 |
| 4. Transit Planning | $0 | $44,262 | $ 11,066 | $55,328 |
| 5. Programs, Software, & Hardware | $5,760 | $0 | $1,440 | $7,200 |
| 6. Comprehensive Plan Update (Phase II) | $64,000 | $0 | $16,000 | $80,000 |
| **TOTAL** | **$163,693** | **$44,262** | **$51,989** | **$259,944** |

FHWA PL ($ 125,492) & FTA Section 5303 ($ 38,201) Funds (Consolidated Planning Grant) = $163,693
Local Match (20% of Consolidated Funds-FHWA PL Funds and FTA Section 5303 Funds) = $44,196
FTA Section 5307 Share = $44,262
Local Match (20% of Total Task Cost using FTA Section 5307 Funds) = $11,066

| | |
|---|---|
| CPG balance from prior FYs UPWP: | $664,280 |
| FY 2013 CPG allocation: | $176,784 |
| FY 2014 CPG allocation (estimate): | $139,139 |
| Programmed FY 2013 CPG funds left over after 3rd Quarter: | $85,696 |
| **Total estimated CPG funds available for FY 2014:** | **$803,419** |
| CPG funds programmed for FY 2014: | $163,693 |
| **Remaining un-programmed CPG funds balance:** | **$639,726** |

The total amount of the Consolidated Planning Grant (CPG) and FTA Section 5307 allocations for FY 2014 is estimated at $163,693 and $ 44,262. JATSO is budgeting $ 51,989 in local match for planning tasks in FY 2014, resulting in an overall program budget of $ 259,944 (includes FTA Sec. 5307). The JATSO has approximately $639,700 of un-programmed CPG funds, which will be used for future projects and transportation studies.

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.

# Joplin Area Transportation Study Organization (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)
Matt Wright, Planning & Comm. Dev. Planner (1.0 FTE)

**Part-time staff:**
Troy Bolander, Planning & Comm. Dev. Director (0.5 FTE)
Lindsay Dunn, Planning & Comm. Dev. Clerk (0.5 FTE)
John Gilligan, GIS Coordinator (0.5 FTE)

**JATSO Voting Members:**

City of Carl Junction
Steve Lawver, City Administrator

City of Joplin
Sam Anselm, Interim Public Works Director *Chairman
Troy Bolander, Planning & Comm. Dev. Director
Robert Lolley, Transit Coordinator
Jack Schaller, Assistant Public Works Director
Steve Stockam, Airport Manager
Matt Wright, Planning & Comm. Dev. Planner

City of Webb City
Carl Francis, Interim City Administrator

Harry S. Truman Coordinating Council
Harry Rogers, Director

Jasper County
Darieus Adams, County Commissioner

Missouri Department of Transportation (SW District)
Becky Baltz, District Engineer

Newton County
Marilyn Ruestman, County Commissioner

# JATSO Boundary Map

