



City of Union

December 16, 2024

Dear Consultant,

The City of Union is requesting the services of a consulting engineering firm to perform the described professional services for the project included on the attached list. If your firm would like to be considered for these consulting services, you may express your interest by responding to the appropriate office, which is indicated in the attachments. Limit your letter of interest to no more than ten (10) pages. This letter should include any information which might help us in the selection process, such as the persons or team you would assign to each project, the backgrounds of those individuals, other projects your company has recently completed or are now active, and previous federally funded project experience.

It is required that your firm's Statement of Qualification (RSMo 8.285 through 8.291), Affidavit of Compliance with the federal work authorization program, and a copy of your firm's E-Verify Memorandum of Understanding (15 CSR 60-15.020) is submitted with your firm's Letter of Interest. These documents are not included in the total page count limit.

DBE firms must be listed in the MRCC DBE Directory located on MoDOT's website at www.modot.gov, to be counted as participation towards an established DBE Goal. We encourage DBE firms to submit letters of interest as prime consultants for any project they feel can be managed by their firm.

It is required that your firm be prequalified with MoDOT and listed in MoDOT's Approved Consultant Prequalification List, or your firm will be considered non-responsive.

If your firm would like to be considered for these consulting services, please deliver all letters by 2:00 P.M. CDT on February 25, 2025 to:

City of Union
Engineering Department
10 E Locust Street
Union, MO 63084

Submittals shall be clearly labeled **STBG - 6200(619) E Main St Bridge**.

Sincerely,

J.D. Kelley, P.E.
City Engineer

attachments



City of Union, MO / East Main Street Bridge	
Federal Aid Number	STBG - 6200(619)
Location	E Main St, just west of MO 47
Proposed Improvement	New bridge on E Main St at the unnamed tributary to Flat Creek, stream channel alignment, streambank stabilization, earthwork, grading, storm drainage and pavement construction, relocation of utilities, add ADA-compliant sidewalk and pedestrian improvements, signing and striping.
Length	0.17 miles
Approximate Construction Cost	\$1,084,038.00
DBE Goal Determination	10%
Consultant Services Requested	<p>Engineering responsibilities may include but are not limited to preparation of Conceptual plans, Preliminary plans, Contract plans, and Right of Way plans.</p> <p>Design services may include but are not limited to surveying, geotechnical investigations, traffic studies and reports, ADA compliance survey, subsurface utility exploration, hydraulics, storm sewer design, bridge design, intersection design, roadway design, streambank stabilization design, public involvement, environmental and historic preservation services/permits, contract documents, assisting with the bidding process, utility coordination/permits, and traffic controls design, including preparation of PS&E and final documents.</p> <p>Construction engineering responsibilities may include but are not limited to work with contractor on behalf of the City, assist with preconstruction conference, construction inspection, inspection and testing construction materials, construction support, prepare change orders, review shop drawings and material submittals, be present during critical construction operations, work with City to do full time inspections and reporting and participate in final inspection.</p>
Other Comments	No professional services OJT goal
Project Contact	J.D. Kelley, P.E. 10 E Locust St Union, MO 63084 636-583-1805 engineer@unionmissouri.gov
Deadline	2:00 P.M., CDT on Friday, February 25, 2025
Submittal Requirements	Letter of interest should not exceed ten (10) pages total. A page is defined as an 8-1/2 by 11 inches and printed on one side. Four (4) paper copies and an electronic version (pdf) on a USB flash drive shall be received by the deadline at the address above.

Pursuant to the Brooks Act for Consultant Selection, the qualifications will be scored based on the following criteria.

- Experience and technical competence (30 points)
- Past Performance (30 points)



- Capacity and Capability (25 points)
- Project approach (10 points)
- Proximity and familiarity with area (5 points)

QUALIFICATIONS

Qualifications are not limited to, but should include the following:

- 1) (30 max points). The specialized experience and technical competence of the firm with respect to the type of services required includes, but is not limited to:
 - a) A brief description of the firm
 - b) A list of key personnel involved in the work and any experience or expertise they have related to the type of work requested, and the role those key personnel will fulfill in the project.
 - c) The office location of each key personnel.
 - d) This summary should include the same specialized experience, technical competence and firm information for all associates or sub-consultants anticipated to be involved in providing services on the project on behalf of the firm.
- 2) (30 max points). The past performance of the firm (or firms) with respect to such factors as control of costs, quality of work, and ability to meet schedules including, but not limited to:
 - a) A listing and description of similar projects that have been completed by the firm in the past five (5) years.
 - i) At minimum, a list of the last five (5) similar projects completed by your firm, design time as per the Agreement vs. actual design time, engineer's estimated cost of construction, low bid, final construction costs and owner contact information (address, phone number and contact person for the agency)
 - b) The estimated schedule for completion of the design requirements of this project
 - c) A brief discussion of the firm's project approach and scope. Highlight any practical design and creative processes utilized in solving project problems to provide quality control and reduce construction costs on past projects.
 - d) A description of the firm's processes that affect and control the project schedule, such as coordination with outside agencies (utility companies, permitting agencies, etc.)
- 3) (25 max points). The capacity and capability of the firm (or firms) to perform the work in question, including specialized services within the time limitations fixed for completion of the project including, but not limited to:
 - a) It is understood that some firms do not employ all necessary in-house professional disciplines to accomplish a given project. A description of any arrangements/joint venture made with any other firm should be included.
- 4) (10 max points). Presentation of the firm's approach to the project, including but not limited to:
 - a) Significant or unusual issues, problems, and difficulties it has identified that will influence the development of the project.
 - b) The firm's understanding of special requirements, codes, and regulations pertinent to the project.
 - c) The firm's internal quality assurance and quality control procedures.
- 5) (5 max points). The firm's proximity to and familiarity with the area in which the project is located including, but not limited to:



- a) The firm’s sensitivity to citizen concerns and the need for sharing project information with the public and elected officials.
 - b) The familiarity of the firm with the project, including a discussion explaining the benefit the City of Union would gain by selecting the firm with regard to both the firm’s anticipated technical approach on this project and overall participation as a project team member.
- 6) Include with the submittal, a clean, legible, active copy of an Affidavit of Compliance and a copy of the E-Verify MOU.

SELECTION PROCESS

Proposals received will be evaluated for adequacy of content for the items noted above by a review committee. The competency of all firms (including applicable subcontracted firms) will be reviewed and ranked as a whole. The committee will rank the firms and select the firm that they believe to be the best qualified and capable of performing the desired work. The City will then, for a basis for negotiations, prepare a detailed scope of services, with the highest ranked firm. If the City is unable to negotiate a satisfactory contract with the firm selected, negotiations with that firm shall be terminated and the City will begin negotiations with another qualified firm. The City does reserve the right to reject any or all responses, to request interviews for further information, or to cancel the project.

ANTICIPATED SCHEDULE

Below is the anticipated schedule of this project. All dates are considered approximate.

February 25, 2025	RFQ’s due by 2:00 P.M.
March 2025	Selection committee ranks design firms based on qualifications
April 2025	Informal interviews
May 2025	Negotiate scope of work and price
June 2025	Submittal of contract to Board of Aldermen for authorization
July 2025	Contract execution
August 2025	Estimated Notice to Proceed



Surface Transportation Block Grant Program

2024 Call for Projects

For the St. Louis Region

Bridge Preservation Project Type

Sponsoring Agency: City of Union, MO

Project Title: E Main St Bridge

Federal Amount Requested: \$1,048,004.00

Applications Due: February 8, 2024 by 4:00 pm

* If applying for Off-System Bridge/Bridge Formula Program (BRO/BFP) funds, fill out this application.
More information on BRO/BFP is provided in Appendix B of the STP-S Project Development Workbook.



EAST-WEST GATEWAY
Council of Governments

Creating Solutions Across Jurisdictional Boundaries

November 2023

SURFACE TRANSPORTATION BLOCK GRANT PROGRAM (STP-S) BRIDGE PRESERVATION – PROJECT APPLICATION FORM

Please refer to the STP-S Project Development Workbook and the STP-S Scoring Criteria Guide for more information on the program requirements, available funding, and scoring criteria. The STP-S Project Development Workbook, STP-S Scoring Criteria Guide, and supplement materials are available on the East-West Gateway Council of Governments (EWG) [STP-S Call for Projects](http://www.ewgateway.org/transportation-planning/transportation-improvement-program/competitive-transportation-programs/call-for-projects-stp-s/) web page: <http://www.ewgateway.org/transportation-planning/transportation-improvement-program/competitive-transportation-programs/call-for-projects-stp-s/>

PLEASE NOTE:

This project application form is for the bridge preservation project type. There are separate project application forms for the other project types, including: road preservation, traffic flow, safety, active transportation, transit, and freight/economic development. If your agency is interested in applying for those project types, please obtain the application form from the EWG STP-S Call for Projects web page, or contact EWG staff for more information.

The call for projects begins on **November 3, 2023** and ends on **February 8, 2024** at 4:00 pm. Applications received after the deadline will not be accepted. Submit the completed application and necessary attachments electronically to EWG at stps@ewgateway.org. Save the electronic copy as a PDF file using the following format: 2024STPS_[Sponsor]_[Project Name].pdf. The electronic submission must include scanned signatures and attachments. Please submit one application per email. You will receive an email confirmation within one business day of submittal. If you do not receive confirmation or have questions about the application, contact EWG staff. The information provided in this application is public record.

APPLICATION FEE

An application fee is required for each project that is submitted for consideration. The application fee is ½ of one percent of the federal funds being requested. For example, a project sponsor requesting \$800,000 in federal funding would be required to pay a \$4,000 application fee. Counties make annual contributions to EWG and, as such, a credit equal to their annual contribution is applied against their application fee. Counties will be invoiced for any amount above the annual contribution credit.

The TIP Application Fee Payment Information Form must be included with the TIP application fee. This form is available on the STP-S Call for Projects web page. Application fees may be submitted by check via mail or through electronic funds transfer (EFT). Mailed application fees must be postmarked by February 8, 2024. For check payments, send the TIP Application Fee Payment Information Form and check to:

TIP Application
East-West Gateway Council of Governments
1 S. Memorial Drive, Suite 1600
St. Louis, MO 63102-2451

For EFT payments, send the TIP Application Fee Payment Information Form via email to tipappfees@ewgateway.org. EFT payments are due by February 15, 2024.

CONTACT INFORMATION

Jason Lange, TIP Coordinator
East-West Gateway Council of Governments
1 S. Memorial Drive, Suite 1600
St. Louis, MO 63102-2451
E-mail: stps@ewgateway.org

PROJECT CHECKLIST AND SUBMITTAL REQUIREMENTS

The evaluation and scoring of all projects will be based on the answers provided in the application and the attachments submitted. **The materials should be submitted in the following order.**

Project Application:

- Completed STP-S application**
- Scanned required signatures** – Notification of Title VI & Nondiscrimination Requirements, Financial Certification of Matching Funds, Person of Responsible Charge Certification, Right-of-Way Acquisition Certification Statement, Policy on Reasonable Progress Certification (Missouri only).

Attachment A:

- Project location map** – depict the location of the project on a base map such as a town road map, GIS map, aerial photo, or another base map suitable to clearly show the project’s overall location. Provide on an 8 ½ x 11 page. Project location is used by EWG to determine:
 - geographic scale project categorization (i.e., ‘within community’ or ‘outside community’)
 - score for Environmental Justice
 - score for employment density
- Detailed cost estimate** – use Estimate of Project Costs excel file provided by EWG.
- Letter of permission from facility owner** – provide if sponsor does not own roadway.
- Letter of support from match source** – provide if individual, business, other local public agency, or other third-party is providing matching funds.
- Coordination letter(s)** – provide if sponsor requires coordination with other agencies to implement the project (e.g., Bi-State Development, Madison County Transit District, St. Clair County Transit District).

Attachment B:

- Photographs** – attach photo(s) of the current bridge.
- Detailed map** – if applicable, provide a map showing:
 - community resources within ½ mile of project limits (e.g., park/trail, full service grocery store, civic building, library, health center, recreation center)
 - schools located within ½ mile of project limits
 - detour route if bridge would be closed (*see Appendix B in STP-S Scoring Criteria Guide for calculation instructions*)
- Roadway realignment diagram** – if applicable, provide a diagram showing existing and proposed vertical or horizontal realignment of the connecting roadway.
- Typical bridge section** – show details of before and after bridge improvements.
- Bridge condition** – attach state-issued inspection report or other documentation from state DOT showing bridge condition.

Attachment C: (optional)

- Documentation of an approved or adopted plan, ordinance, and/or policy that supports the project** – do not attach entire plan documents, only include the necessary pages.
- Letters of support** – endorsements or petitions from associations, boards, school districts, citizens, businesses, etc. Only attach letters of support that pertain to specific project.
- Documentation of public involvement process** – public meeting minutes, newspaper clippings, press announcements, etc.

Attachment D:

- ITS architecture consistency** – submit ITS Architecture Project Consistency Statement Form provided by EWG if project includes ITS elements or modifies existing ITS.

SPONSOR INFORMATION															
Sponsoring agency:		City of Union, MO													
Secondary sponsor agency (if applicable):															
Chief Elected Official/Chief Executive Director:															
Name:		Robert Schmuke			Title:		Mayor								
Street address:		10 E Locust St													
City:		Union		State:		MO		County:		Franklin		ZIP code:		63084	
Project contact:															
Name:		J.D. Kelley			Title:		City Engineer								
Agency:		City of Union, MO													
Street address:		10 E Locust St													
City:		Union		State:		MO		County:		Franklin		ZIP code:		63084	
Phone Number:		636-583-3600			E-mail address:		engineer@unionmissouri.gov								
Application contact:															
Name:		J.D. Kelley			Phone Number:		636-583-3600								
E-mail address:		engineer@unionmissouri.gov													
PROJECT INFORMATION															
Project title:		E Main St Bridge													
Project status:				Is this application request for a piece of a larger project (phase) or the entire length of project?											
<input checked="" type="checkbox"/> New project				<input type="checkbox"/> Phase											
<input type="checkbox"/> Continuation of STP-S/CMAQ/TAP project				<input checked="" type="checkbox"/> Full project											
<input type="checkbox"/> Add to existing non-federally funded project															
If project is a continuation of another project that was previously programmed in the TIP, provide TIP ID # of existing project and also explain this relationship:															
If this project is a phase of a full project, how many phases are left to complete the project? Briefly explain each phase (i.e., project limits and general improvements):															
Has your agency previously competed for funds for this specific project?															
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No															
If yes, when?															
Does this project touch MoDOT or IDOT right-of-way?															
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No															
<i>If yes, a letter of support for this project is required from the state DOT.</i>															
Does the sponsoring agency own and maintain this facility?															
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															
<i>If no, a letter of support for this project is required from the facility owner.</i>															
If no, who owns the facility?															

ROADWAY INFORMATION				
Name of street or facility to be improved:	E Main St bridge			
Project length (miles):	0.17			
Feature crossed (e.g., Fee Fee Creek):	Maple St to E Main St			
Federal functional classification of road (per EWG) ¹ :	Major Collector			
Deck condition rating (0-9)?	n/a (existing structure stone arch/concrete box)			
Superstructure condition rating (0-9)?	n/a (existing structure stone arch/concrete box)			
Substructure condition rating (0-9)?	n/a (existing structure stone arch/concrete box)			
Culvert condition rating, if applicable (0-9)?	**SEE ATTACHED INSPECTION REPORT**			
Bridge identification number (federal ID):	n/a (existing structure spans <20 ft)			
	CURRENT:		DESIGN YEAR²:	
Traffic volumes (AADT):	2262	Year: 2024	2626	Year: 2044
Identify source of AADT ³ :	Local agency		Local agency	
Speed limit of street (mph):	30		30	
Bridge width (feet):	44		52	
Deck width (curb to curb):	39		41	
Number of through lanes (both directions):	2		2	
Number of turn lanes:	0		0	
Two-way left turn lanes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Typical lane width (feet):	12		12	
Outside lane width (feet):				
Shoulder width (feet):	4		6	
On-street parking allowed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Curb and gutter?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Sidewalks?	<input checked="" type="checkbox"/> One side <input type="checkbox"/> Both sides <input type="checkbox"/> None		<input type="checkbox"/> One side <input checked="" type="checkbox"/> Both sides <input type="checkbox"/> None	
Sidewalk width (feet):	5		6	
Existing sidewalk surface condition ⁴ :	<input type="checkbox"/> Poor <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Good <input type="checkbox"/> Excellent <input type="checkbox"/> None		n/a	
On-road bicycle facility ⁵ ?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
On-road bicycle facility width:				
Shared-use path/sidepath?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Shared-use path/sidepath width (feet):				
Explain how the design year AADT was calculated: Census 2010 to Census 2020 showed city population growth of 21% (10,204 vs 12,348, respectively). E Main St. provides direct ingress and egress to downtown. Due to the limited potential capacity increase of downtown (commercial and residential), a 0.75% AACR was used to calculate the forecasted AADT.				

¹ EWG Functional Classification maps: <http://www.ewgateway.org/transportation-planning/roadway-functional-classification/>.

² Design year is 20 years after construction.

³ If source is state DOT, use data from most recent available year. If source is a count conducted by the local agency, must be within five years.

⁴ **Poor**: the sidewalk has deep cracking and buckling, poor drainage, or a bulging surface (due to tree roots). Impassable to mobility impaired pedestrians. **Fair**: the sidewalk contains cracks or an uneven and distressed surface. Hinders mobility of the average pedestrian. **Good**: the sidewalk is free from significant cracking, buckling, or gravel surfaces. Unlikely to hinder mobility of the average pedestrian. **Excellent**: the sidewalk is in like new condition and contains no cracking or buckling. Does not hinder mobility of the average pedestrian. **None**: no sidewalk is present.

⁵ On-road bicycle facility includes: bike lanes (separated, buffered, and standard). Shared-lane markings (sharrows) and share the road/bikes may use full lane signage are not bicycle facilities. View the EWG Bicycle Planning Guide for a description on bicycle facilities: https://www.ewgateway.org/wp-content/uploads/2018/07/BicyclePlanningGuide_June2018.pdf.

LAND ACQUISITION INFORMATION

Status of right-of-way acquisition (all properties, permanent and/or temporary easements, Temporary Slope Construction License (TSCL), and other rights-of-way):

All acquired or none needed
 In process
 Not started

If applicable, list the number of parcels to be acquired (all properties, permanent and/or temporary easements, TSCL, and other rights-of-way):

Existing ROW within the project limits is sixty (60) feet. Proposed roadway improvements can be constructed within ROW limits, however, the bridge construction will encroach outside existing ROW. Therefore, the city does anticipate needing two (2) parcels for bridge construction.

If any residential or commercial displacements are anticipated, give details on how many and if they are residential and/or commercial:

n/a

Right-of-way acquisition by:	City of Union
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Right-of-way condemnation by:	n/a
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Will the project traverse any public property, such as a public park that has used federal funds (e.g., Land and Water Conservation Funds) in the past?

Yes No Unknown

UTILITY COORDINATION
Note: project sponsor must coordinate with utilities prior to construction.

Will the project involve any coordination with utilities?

Yes No

If yes, check the appropriate box to select the type of utility. Then give the names of the utility companies.

<input checked="" type="checkbox"/> Electric	Ameren Missouri
<input checked="" type="checkbox"/> Phone	AT&T, Charter Communications, Gateway Fiber
<input checked="" type="checkbox"/> Gas	Spire
<input checked="" type="checkbox"/> Water	City of Union, MO
<input checked="" type="checkbox"/> Cable TV	AT&T, Charter Communications
<input checked="" type="checkbox"/> Storm sewer	City of Union, MO
<input checked="" type="checkbox"/> Sanitary sewer	City of Union, MO
<input type="checkbox"/>	
<input type="checkbox"/>	

Give details concerning potential utility conflicts, problems, or issues:

Existing structure has multiple conduits attached (both sides) and will require relocation or adjustment. Additionally, an existing aerial sanitary sewer crossing, within fifteen (15) feet of the existing structure, will conflict with the proposed structure. Existing storm sewer will require adjustment or relocation.

Utility coordination completed by:	Consultant
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Designed by:	Consultant
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Inspected by:	Consultant
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RAILROAD COORDINATION	
Does the project traverse any property owned by a railroad? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Is there a railroad within 500' of project limits? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Name of railroad:	
Number of crossings impacted:	
Are the crossings active?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Width of crossing:	
What is the crossing type? <input type="checkbox"/> Timber <input type="checkbox"/> Rubberized <input type="checkbox"/> Asphalt <input type="checkbox"/> Concrete <input type="checkbox"/> Other	
Describe other:	
PROJECT MAINTENANCE	
List any regular maintenance tasks anticipated over the next 25 years: Bridge deck and structure maintenance (sealing, cleaning, minor/major patching). Channel maintenance (removal of large debris and sediment drifts). Embankment maintenance (ongoing maintenance of bank protection and removal of invasive species).	
Estimated annual cost to maintain facility and funding source(s): \$6,000 / yr - general revenue fund	
AMERICANS WITH DISABILITIES ACT	
Under the 1990 Americans with Disabilities Act (ADA), Title II requires public entities with more than 50 employees to complete a self-evaluation and create an effective ADA transition plan ⁶ .	
Does your local public agency have more than 50 employees? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If yes, does your agency have an adopted ADA transition plan? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If your agency has an ADA transition plan, when was it adopted?	
If ADA transition plan is not adopted, when is it expected to be adopted?	

⁶ FHWA Questions and Answers about ADA/Section 504: https://www.fhwa.dot.gov/civilrights/programs/ada/ada_sect504qa.cfm.

EQUITY

Transportation equity populations (TEPs) are population groups that face barriers related to transportation or are disproportionately affected by negative effects of past transportation decisions. They are people of minority races and ethnicities, those with income below the poverty level, seniors (aged 65+), those with limited English proficiency (LEP), persons with disabilities, and no-vehicle households. See EWG's Transportation Equity Assessment for additional details: <https://www.ewgateway.org/transportation-planning/long-range-transportation-planning/connected-2050/trans-equity-assessment/>

Are you familiar with EWG's Transportation Equity Assessment?

Yes No

Have you considered how this project would affect one or more of these groups that travel in or through your community?

Yes No

If yes, please describe either positive or negative impacts on TEP populations that would be associated with this project.

How can EWG help you incorporate equity into your transportation projects?

PROJECT DESCRIPTION

Define the **scope** and **specific elements** of the project. Describe current conditions / problems / issues that the project will address. Be as specific as possible.

The existing crossing on E Main St, just W of Rte 47, needs replacement. In its current condition, the existing structure consists of a stone arch culvert (estimate of construction 1900) in addition to an adjacent (to the north) concrete box culvert (estimate of construction 1960s). Additionally, a CIP retaining wall is installed on the upstream side of the stone culvert at the outer bend of the stream, however, its design parameters are unknown and the wall shows signs of failure. The existing structures and stream configuration have created an area susceptible to continued erosion. Based on the upstream and downstream stream geometries, the existing structures are undersized for significant precipitation events. When factoring the adequacy and condition of the existing structures with the erosive potential of the steep, unprotected embankments, significant property damage is imminent and/or the structure will require loading restriction. Additionally, at elevation 512 (based on historic data) this section of roadway is closed due to flood water intrusion. At the roadway level, the concrete safety barriers atop the structure limits are undersized (twenty-four (24) inches in height) and the ends are unprotected and do not meet minimum safety standards for pedestrian and vehicular traffic.

This project will provide the following:

- o Removal of the existing culvert structure(s)
- o Construction of a new bridge on E Main St, at the unnamed tributary to Flat Creek
- o Alignment of the stream channel downstream and upstream of the new bridge
- o Streambank stabilization
- o Earthwork, grading and pavement construction to elevate the existing roadway above elevation 512
- o Relocation of conflicting utilities
- o Signing and striping

Remove, replace existing or construct new:

- o Curb ramps
- o Sidewalk
- o Curb and gutter
- o Paved approaches
- o Guardrail
- o Storm sewer structures

COMMUNITY SUPPORT

Describe the public involvement activities to date on the proposed project:

Reviewed project with City of Union Personnel, Finance and Public Works (PFPW) committee in January and February 2024 public meetings. PFPW committee recommended proceeding with project grant application. City of Union Board of Aldermen, through consent agenda, approved the PFPW committee's recommendation, in January 2024.

Project was reviewed with City of Union Transportation Committee in December 2023 public meeting, however, a quorum was not established and therefore a recorded vote was not permitted.

PROJECT DEVELOPMENT SCHEDULE

Note: many stages can occur concurrently.

Activity Description	Start Date (MM/YYYY)	Finish Date (MM/YYYY)	Time Frame (Months)
Receive notification letter	10/2024	10/2024	1
Execute agreement (project sponsor and DOT)	11/2024	12/2024	2
Engineering services contract submitted and approved*	04/2025	09/2025	6
Obtain environmental clearances (106, CE2, T&E, etc.)	10/2025	02/2026	5
Public meeting/hearing	10/2024	10/2024	1
Develop and submit preliminary plans	11/2025	02/2026	4
Preliminary plans approved	02/2026	03/2026	2
Develop and submit right-of-way plans	04/2026	05/2026	2
Review and approval of right-of-way plans	06/2026	07/2026	2
Submit and receive approval for notice to proceed for right-of-way acquisition (A-Date)*	08/2026	09/2026	2
Right-of-way acquisition	09/2026	03/2027	7
Utility coordination	06/2026	08/2027	15
Develop and submit PS&E	09/2027	11/2027	3
District approval of PS&E/advertise for bids*	12/2027	02/2028	3
Submit and receive bids for review and approval	03/2028	04/2028	2
Project implementation/construction	06/2028	12/2028	7

* Finish date must match fiscal year for each milestone shown in **bold** text.

FINANCIAL PLAN

Note: federal participation for a phase of work must not exceed 80% in Missouri for all phases of work and 80% in Illinois for construction/construction engineering phase only. In Illinois, PE and right-of-way must be paid with local funds.

Activity ⁷	Starting Federal Fiscal Year ⁸	Total Phase Cost	Federal Funds Requested	Sponsor Share	Sponsor Share Percentage
PE / Planning / Environmental Studies	FY 2025	\$ 108,404	\$ 86,723	\$ 21,681	20.00%
Right-of-Way (ROW)	FY 2026	\$ 20,000	\$ 16,000	\$ 4,000	20.00%
Construction Engineering	FY 2028	\$ 97,563	\$ 78,051	\$ 19,513	20.00%
Construction / Implementation	FY 2028	\$ 1,084,038	\$ 867,230	\$ 216,808	20.00%
TOTAL PROJECT COST		\$ 1,310,005	\$ 1,048,004	\$ 262,001	20.00%

Identify the source(s) of local matching funds (e.g., state DOT, city, county, county road board, county motor fuel tax, private entity), and the amount for each source:	City of Union, General Revenue fund - \$262,001
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⁷ **Illinois:** construction/construction engineering funds are available in FY 2028.

Missouri: preliminary engineering (PE) funds are available in FY 2025, right-of-way (ROW) in FY 2025 (only if PE is locally funded) OR FY 2026, and construction/construction engineering in FY 2027 OR FY 2028.

⁸ Fiscal years are federal fiscal years (October 1 through September 30).

SAFE & SECURE	
Length of detour (in miles) if bridge was closed: Note: see Appendix B in STP-S Scoring Criteria Guide for calculation instructions.	1.01 miles
CHOICES & ACCESS FOR ALL	
Does the proposed project incorporate any of the following bicycle-related improvements? <ul style="list-style-type: none"> <input type="checkbox"/> Separated bike lane/cycle track/protected bike lane <input type="checkbox"/> Shared-use path/trail <input type="checkbox"/> Buffered bike lane <input type="checkbox"/> Standard bike lane (not buffered) <input type="checkbox"/> Marked shared roadway (shared-lane markings, “sharrow”) <input checked="" type="checkbox"/> Paved shoulder <input type="checkbox"/> Other <input type="checkbox"/> None 	
Describe the bicycle-related improvements (including ‘other’) in detail: 	
Does the proposed project incorporate any of the following pedestrian-related improvements? <ul style="list-style-type: none"> <input checked="" type="checkbox"/> New sidewalks (where none currently exist) <input type="checkbox"/> Sidewalk spot slab improvements <input checked="" type="checkbox"/> Sidewalk reconstruction <input checked="" type="checkbox"/> Construction of new curb ramps (where none currently exist) <input checked="" type="checkbox"/> Curb ramp reconstruction <input checked="" type="checkbox"/> Railing or protective screening/concrete barrier <input type="checkbox"/> Pedestrian-scale lighting (e.g., glare shielded, lower height (12’ to 16’), in-pavement) <input type="checkbox"/> Other <input type="checkbox"/> None 	
Describe the pedestrian-related improvements (including ‘other’) in detail: Sidewalks and curb ramps will be installed on the south side of E Main St and connect to existing sidewalk. Pedestrian safety features installed will include concrete barrier to separate vehicular traffic from pedestrian traffic 	
Is the project within ½ mile of a school (grades K-12 and college/university)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<i>If yes, identify the school(s):</i>	
Central Elementary School	
Wildcat Resource Center	

Is the project within ½ mile of a community resource (e.g., park/trail, full service grocery store, civic building, library, health center, recreation center)?

Yes No

If yes, identify all community resources (planned or existing):

Franklin County Judicial Center, Franklin County Health Department, Franklin County Government Center, Union City Auditorium, Union City Hall, Hansen Park, Union Chamber of Commerce, Union Police Department, Union Ambulance District,

ECONOMIC VITALITY

Does the facility have a posted weight limit?

Yes No

If yes, what is the posted weight limit?

NOTIFICATION OF TITLE VI & NONDISCRIMINATION REQUIREMENTS

Title VI

A recipient of any federal funds from the U.S. Department of Transportation (“DOT”) must comply with federal statutes, regulations, executive orders, and other pertinent directives that govern nondiscrimination in federally assisted programs. Below is a list of the statutes and regulations that may apply to a recipient’s program; however, other federal requirements regarding nondiscrimination may be imposed by DOT.

- A. Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. §§ 2000d *et seq.*
- B. All requirements imposed by or pursuant to the Code of Federal Regulations, Title 49: Transportation, Subtitle A: Office of the Secretary of Transportation, Part 21: *Nondiscrimination in Federally-Assisted Programs of the Department of Transportation—Effectuation of Title VI of the Civil Rights Act of 1964.*

As part of federal requirements, a recipient of funds from DOT must ensure that it has written policies and procedures in place to ensure nondiscrimination in its programs, up to and including, developing a Title VI Plan.

Nondiscrimination

A recipient of any federal funds from the U.S. Department of Transportation (“DOT”) must comply with federal statutes, regulations, executive orders, and other pertinent directives that govern nondiscrimination in federally assisted programs. Below is a list of the statutes and regulations that may apply to a recipient’s program; however, other federal requirements regarding nondiscrimination may be imposed by DOT.

- A. Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. § 2000d, and implementing regulations at 49 CFR Part 21 – *Nondiscrimination in Federally Assisted Programs of the Department of Transportation—Effectuation of Title VI of the Civil Rights Act.*
- B. The equal employment opportunity provisions of 49 U.S.C. § 5332 and Title VII of the Civil Rights Act of 1964, 42 U.S.C. §§ 2000e *et seq.*, and implementing regulations, including:
 1. 41 CFR Part 60 – *Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor.*
- C. Title IX of the Education Amendments of 1972, as amended, 20 U.S.C. §§ 1681 *et seq.*, and implementing regulations at 49 CFR Part 25 – *Nondiscrimination on the Basis of Sex in Education Programs or Activities Receiving Federal Financial Assistance.*
- D. Section 504 of the Rehabilitation Act of 1973, as amended, 29 U.S.C. § 794, and the Americans with Disabilities Act of 1990, as amended, 42 U.S.C. §§ 12101 *et seq.*, and implementing regulations, including:
 1. 49 CFR Part 27—*Nondiscrimination on the Basis of Handicap in Programs and Activities Receiving or Benefiting from Federal Financial Assistance.*
 2. 49 CFR Part 37—*Transportation Services for Individuals with Disabilities (ADA).*
 3. 36 CFR Part 1192 and 49 CFR Part 38—*Americans with Disabilities (ADA) Accessibility Specifications for Transportation Vehicles.*
 4. 28 CFR Part 35—*Nondiscrimination on the Basis of Disability in State and Local Government Services.*
 5. 28 CFR Part 36—*Nondiscrimination on the Basis of Disability by Public Accommodations and in Commercial Facilities.*
 6. 41 CFR Subpart 101 – 119—*Accommodations for the Physically Handicapped.*
 7. 29 CFR Part 1630—*Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities Act.*
 8. 47 CFR Part 64, Subpart F—*Telecommunications Relay Services and Related Customer Premises Equipment for the Hearing and Speech Disabled.*
 9. 36 CFR Part 1194—*Electronic and Information Technology Accessibility Standards.*

- 10. 49 CFR Part 609—*Transportation for Elderly and Handicapped Persons*.
- 11. Federal civil rights and nondiscrimination directives implementing those federal laws and regulations, unless the federal government determines otherwise in writing.
- E. The Age Discrimination Act of 1975, as amended, 42 U.S.C. §§ 6101 *et seq.*
- F. The Age Discrimination in Employment Act, 29 U.S.C. §§ 621 through 634, and implement regulations of the U.S. Equal Employment Opportunity Commission at 29 CFR Part 1625—*Age Discrimination in Employment Act*.
- G. The Drug Abuse Office and Treatment Act of 1972, as amended, 21 U.S.C. §§ 1101 *et seq.*, the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970, as amended, 42 U.S.C. §§ 4541 *et seq.*, and the Public Health Service Act of 1912, as amended, 42 U.S.C. §§ 290dd through 290dd-2.
- H. Executive Order 12898—Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, 42 U.S.C. § 4321 note, and DOT Order 5620.3 at Federal Register Vol. 62 No. 18377—*Department of Transportation Actions to Address Environmental Justice in Minority Populations and Low-Income Populations*.
- I. Executive Order 13166 – Improving Access to Services for Persons with Limited English Proficiency, 42 U.S.C. § 2000d – 1 note, and implementing policy guidance at Federal Register Vol. 70 No. 74087—*DOT Policy Guidance Concerning Recipients’ Responsibilities to Limited English Proficiency (LEP) Person*.

By submitting its application as part of the TIP process and signing below, the Project Sponsor certifies that it has reviewed the federal requirements regarding nondiscrimination in federally assisted programs and believes that the Project Sponsor complies with the required policies and procedures.


Also, the Project Sponsor acknowledges its understanding that if the Project Sponsor does not have the required policies and procedures in place prior to federal funds being obligated, then the Project Sponsor’s project may become ineligible for federal funding.

J.D. Kelley

Name (print)

City Engineer

Title



Signature



Date

FINANCIAL CERTIFICATION OF MATCHING FUNDS

This is to ensure sufficient funds are available to pay the non-federal share of project expenditures for the following project to be funded under the provisions of the Infrastructure Investment and Jobs Act (IIJA).

Project Title: E Main St Bridge

Local Match Amount: \$ 262,001.00

Sponsoring Agency: City of Union, MO

Chief Elected Official (or Chief Executive Officer):

Name (print): Robert Schmuke

Signature: 

Date: 2-7-2024

Chief Financial Officer:

Name (print): Heather Keith

Signature: 


Date: 2/6/2024

PERSON OF RESPONSIBLE CHARGE CERTIFICATION


The key regulatory provision, 23 CFR 635.105 – Supervising Agency, provides that the State Transportation Agency (STA) is responsible for construction of federal-aid projects, whether it or a local public agency (LPA) performs the work. The regulation provides that the STA and LPA must provide its full-time employee to be in “responsible charge” of the project.

The undersigned employee(s) of the Project Sponsor will act as person of responsible charge. If at any point the employee leaves the LPA, the LPA is responsible for finding a suitable replacement and notifying EWG. If the person of responsible charge is found to not be a full-time employee of the LPA, it will result in the loss of federal funds for this project. One employee can act as person of responsible charge for all three phases. All three phases must be signed.

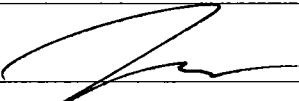
Person of Responsible Charge – Design Phase

Name (print): J.D. Kelley
Title: City Engineer Email: engineer@unionmissouri.gov
Signature: 
Date: 2-8-24

Person of Responsible Charge – Right-of-Way Acquisition Phase

Name (print): J.D. Kelley
Title: City Engineer Email: engineer@unionmissouri.gov
Signature: 
Date: 2-8-24

Person of Responsible Charge – Construction/Implementation Phase

Name (print): J.D. Kelley
Title: City Engineer Email: engineer@unionmissouri.gov
Signature: 
Date: 2-8-24

RIGHT-OF-WAY ACQUISITION CERTIFICATION STATEMENT

The State Department of Transportation and the Federal Highway Administration (FHWA) have the right and responsibility to review and monitor the acquisition procedures of any federally funded transportation project for adherence to The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970. Those projects found in non-compliance may jeopardize all or part of their federal funding.

A. The Project Sponsor hereby certifies that any right-of-way, and/or permanent or temporary easements necessary for this project, obtained prior to this application, were acquired in accordance with The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970.


B. The Project Sponsor also certifies that any additional right-of-way, and/or permanent or temporary easements, subsequently required to complete the project, will be acquired according to The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970.

J.D. Kelley

Name (print)

City Engineer

Title



Signature

2-8-24

Date

POLICY ON REASONABLE PROGRESS CERTIFICATION – MISSOURI SPONSORS ONLY

Following on the next page is a copy of the policy on reasonable progress adopted by the East-West Gateway Council of Governments Board of Directors.

The undersigned representative of the Project Sponsor hereby certifies that s/he has read this policy and understands its requirements. The representative acknowledges that failure to meet all of the reasonable progress requirements could result in federal funds being revoked and returned to the regional funding pool, as dictated by the policy.

J.D. Kelley

Name (print)

City Engineer

Title



Signature

2-8-24

Date

POLICY ON REASONABLE PROGRESS – MISSOURI SPONSORS ONLY

Reasonable Progress

For projects or programs included in the Transportation Improvement Program (TIP), “reasonable progress” will have been made if the project has advanced to the point of obligating all federal funds programmed for that project in the current fiscal year, regardless of the phase of work (*i.e., preliminary engineering, right-of-way acquisition, or plans, specifications, and estimates*). If a project fails to obligate the programmed federal funds by September 30 of the current year, the funding will be forfeited and returned to the regional funding pot. Actual progress toward implementation is measured against the schedule submitted by the Project Sponsor in the project application.

Policy Procedures and Enforcement

Projects that do not obligate all federal funds by the Board-approved suspense date will be removed from the TIP and the federal funds associated with those projects will be returned to the regional funding pool for redistribution. The removal of projects from the TIP will require no further Board action and the sponsor will have to repay any federal funds already spent if the funding is forfeited.

If a project is realizing delays that will put the federal funding at risk of forfeiture (*i.e., not meet a September 30 deadline*), the Project Sponsor will have the opportunity to ask for consideration of a “one-time extension” in their project schedule. The one-time extension can only be requested for the implementation/construction phase of the project. The extension request will only be considered once a year, and has to be made before June 1 of the current fiscal year of the TIP.

To be considered for this extension the Project Sponsor has to demonstrate on all counts: a) the delay is beyond their control and the sponsor has done due diligence in progressing the project; b) federal funds have already been obligated on the project or in cases that no federal funds are used for PE and/or ROW acquisition, there has been significant progress toward final plan preparation; and c) there is a realistic strategy in place to obligate all funds.


One-time extensions of up to three (3) months may be granted by EWG staff and one-time extensions greater than three (3) months, but not more than nine (9) months, will go to the Board of Directors for their consideration and approval. Projects requesting schedule advancements will be handled on a case-by-case basis, subject to available funding, and are subject to the Board-adopted rules for TIP modifications.

Project Monitoring

An extensive monitoring program has been developed to help track programmed projects and ensure that funding commitments and plans are met. Monthly tracking reports are developed and posted on the EWG website, utilizing project information provided by the Project Sponsor, IDOT, and MoDOT district offices. Additionally, project sponsors are contacted at least every three (3) months by EWG staff for project status updates

Project Location Map



 Project Limits

Estimate of Project Costs

Project Sponsor: City of Union
 Project Title: Main St/Main St Bridge
 Date: 1/10/2024

Specific Roadway Items

Item	Quantity	Unit	Unit Price	Amount
Clearing and Grubbing	1	ACRE	\$ 5,000.00	\$5,000.00
Removal of Improvements	1	LS	\$ 10,000.00	\$10,000.00
Class A Excavation	1147	CUYD	\$ 16.00	\$18,352.00
Compacting Embankment	860	CUYD	\$ 5.00	\$4,300.00
Embankment in Place	170	CUYD	\$ 15.00	\$2,550.00
Compacting in Cut	5	STA	\$ 1,000.00	\$4,700.00
Type 5 Aggregate for Base (6 in. thick)	2294	SQYD	\$ 10.00	\$22,940.00
BP-1 (2" thick)	255	TONS	\$ 135.00	\$34,425.00
Bit Base (6" thick)	765	TONS	\$ 150.00	\$114,750.00
Paved Approach, 7 in.	162	SQYD	\$ 110.00	\$17,820.00
Concrete Sidewalk, 5 ft (4 in. thick)	574	SQYD	\$ 90.00	\$51,660.00
Curb and Gutter Type A	432	LF	\$ 50.00	\$21,600.00
Curb Ramps	15	SQYD	\$ 165.00	\$2,475.00
Truncated Domes	30	SQFT	\$ 35.00	\$1,050.00
Curved Vane Grate and Frame (2 ft x 2 ft)	2	EA	\$ 2,000.00	\$4,000.00
Precast Concrete Drop Inlet 2 ft x 2 ft	10	LF	\$ 850.00	\$8,500.00
30 in. Pipe Group A	187	LF	\$ 200.00	\$37,400.00
Storm Sewer Structure	1	EA	\$ 3,500.00	\$3,500.00
Pavement Marking	1	LS	\$ 6,500.00	\$6,500.00
Traffic Control	1	LS	\$ 5,000.00	\$5,000.00
Mobilization	1	LS	\$ 60,000.00	\$60,000.00
Contractor Furnished Surveying and Staking	1	LS	\$ 8,000.00	\$8,000.00
Seeding - Cool Season Mixtures	0.2	ACRES	\$ 8,000.00	\$1,600.00
Silt Fence	400	LF	\$ 4.00	\$1,600.00
SUBTOTAL:				\$447,722.00

Specific Bicycle Items

Item	Quantity	Unit	Unit Price	Amount
SPECIFIC BRIDGE ITEMS				\$0.00
Class 1 Excavation	90	CUYD	\$ 20.00	\$1,806.09
Class 1 Excavation in Rock	9	CUYD	\$ 80.00	\$722.44
Removal of Bridges	1	LS	\$ 20,000.00	\$20,000.00
Bridge Approach Slab (Minor)	84	SQYD	\$ 125.00	\$10,555.56
Bridge Anchor Section (Thrie Beam)	4	EA	\$ 4,000.00	\$16,000.00
Asymmetrical Transition Section, 6.5 ft Posts	4	EA	\$ 700.00	\$2,800.00
Furnishing Type 2 Rock Blanket	162	CUYD	\$ 50.00	\$8,111.11
Placing Type 2 Rock Blanket	162	CUYD	\$ 30.00	\$4,866.67
Permanent Erosion Control Geotextile Class 1	243	SQYD	\$ 100.00	\$24,333.33
Class B-1 Concrete (Substructure Culverts-Bridge)	135	CUYD	\$ 1,000.00	\$135,000.00
Class B-2 Concrete (Superstructure Voided Slabs)	156	SQYD	\$ 650.00	\$101,544.44
Type D Barrier	60	LF	\$ 240.00	\$14,400.00
Form Liners	18	SQYD	\$ 20.00	\$355.56
18" Prestressed Concrete Spread Voided Slab Beam	390	LF	\$ 360.00	\$140,400.00
Reinforcing Steel (Epoxy Coated)(Grade 60)	20,250	LB	\$ 1.25	\$25,312.50
72 in. Pedestrian Fence (Structure)	60	LF	\$ 300.00	\$18,000.00
Plain Neoprene Bearing Pads	26	EA	\$ 350.00	\$9,100.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
SUBTOTAL:				\$533,307.69

Specific Pedestrian Items				
Item	Quantity	Unit	Unit Price	Amount
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
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				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
SUBTOTAL:				\$0.00

Bicycle/Pedestrian Facility Items				
Item	Quantity	Unit	Unit Price	Amount
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
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				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
SUBTOTAL:				\$0.00

Miscellaneous Other Items				
Item	Quantity	Unit	Unit Price	Amount
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
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				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
				\$0.00
SUBTOTAL:				\$0.00

Construction Cost Total:	\$981,029.69
Contingency:	\$78,482.38
Inflation:	\$24,525.74
Preliminary Engineering:	\$108,403.78
Right-of-Way:	\$20,000.00
Construction Engineering/Inspection:	\$97,563.40
Project Total *:	\$1,310,004.99



City of Union

E Main Street Culvert Structure Inspection Report Union, MO

Inspection performed in November 2023 of culvert structures located within Unnamed Tributary to Flat Creek, at Latitude 38.4458886 and Longitude 90.999698.

General Comments and Conditions (see attachments)

- Existing structures consists of the following:
 - 8 ft diameter stone masonry arch culvert (construction estimated early 1900's);
 - 9 ft by 9 ft concrete box culvert (construction estimated 1970's) added to the north side of the stone masonry arch culvert
 - Sidewalk structure attached to the north wingwalls of the concrete box culvert (construction in 2013)
- Stone masonry arch culvert
 - Shows leaking through joints (previous tuckpointing has started delaminating)
 - Many stones are void of mortar, extending to depth of stone
 - Several stones are delaminated and show signs of weathering
 - Corner of arch on east side at foundation elevation is missing several stones and surrounding stones show signs of movement from original positioning.
 - Noted concrete repair on west side, north end – unknown of extents or repair type
- CIP Concrete box culvert
 - Minor honeycombing in walls

Channel Condition (see attachments)

- Stone masonry culvert inlet is located in sharp bend in stream alignment. Significant erosion of eastern embankment near inlet.
- Concrete retaining wall constructed to restrain embankment shows signs of undermining
- Embankment on west side of inlet consists of concrete spoils and large rock and erosion is noted encroaching near E Main St.
- Embankment on east and west sides of structure exit consists of concrete spoils and soil and does not provide protection from continued bank erosion

Inspection performed by James Kelley, P.E.



**East Main Street over Tributary to Flat Creek
Union, MO
Looking East
January 2024**



**East Main Street over Tributary to Flat Creek
Union, MO
Looking Upstream
January 2024**





East Main Street over Tributary to Flat Creek
Union, MO
Upstream End
January 2024



East Main Street over Tributary to Flat Creek
Union, MO
Mortar Loss in headwall and stone weathering
January 2024



East Main Street over Tributary to Flat Creek
Union, MO
Stone loss near normal water level (typical)
January 2024



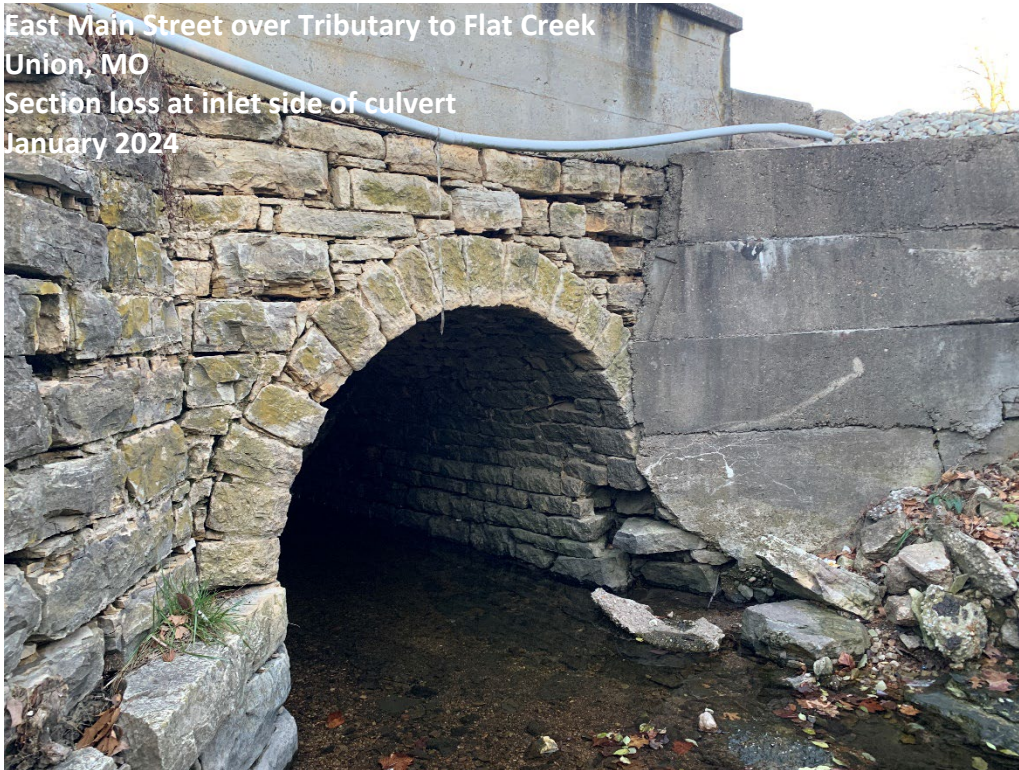
East Main Street over Tributary to Flat Creek
Union, MO
Downstream end
January 2024



East Main Street over Tributary to Flat Creek
Union, MO
Weathered stone and missing or delaminated mortar (typical)
January 2024



East Main Street over Tributary to Flat Creek
Union, MO
Section loss at inlet side of culvert
January 2024



**East Main Street over Tributary to Flat Creek
Union, MO
Embankment erosion at bend in stream at culvert inlet
January 2024**



**East Main Street over Tributary to Flat Creek
Union, MO
Retaining wall at culvert inlet shows signs of undermining
January 2024**



Community Resources and Schools



Hansen Park

Franklin County
Judicial Center

Franklin County
Health Department

Franklin County
Government Center

Union R-XI Wildcat
Resource Center

Chamber of
Commerce

Union City Hall

Union Police
Department

Union City Auditorium

Central Elementary
School

Union Ambulance
District

Detour Route



--- Detour Route

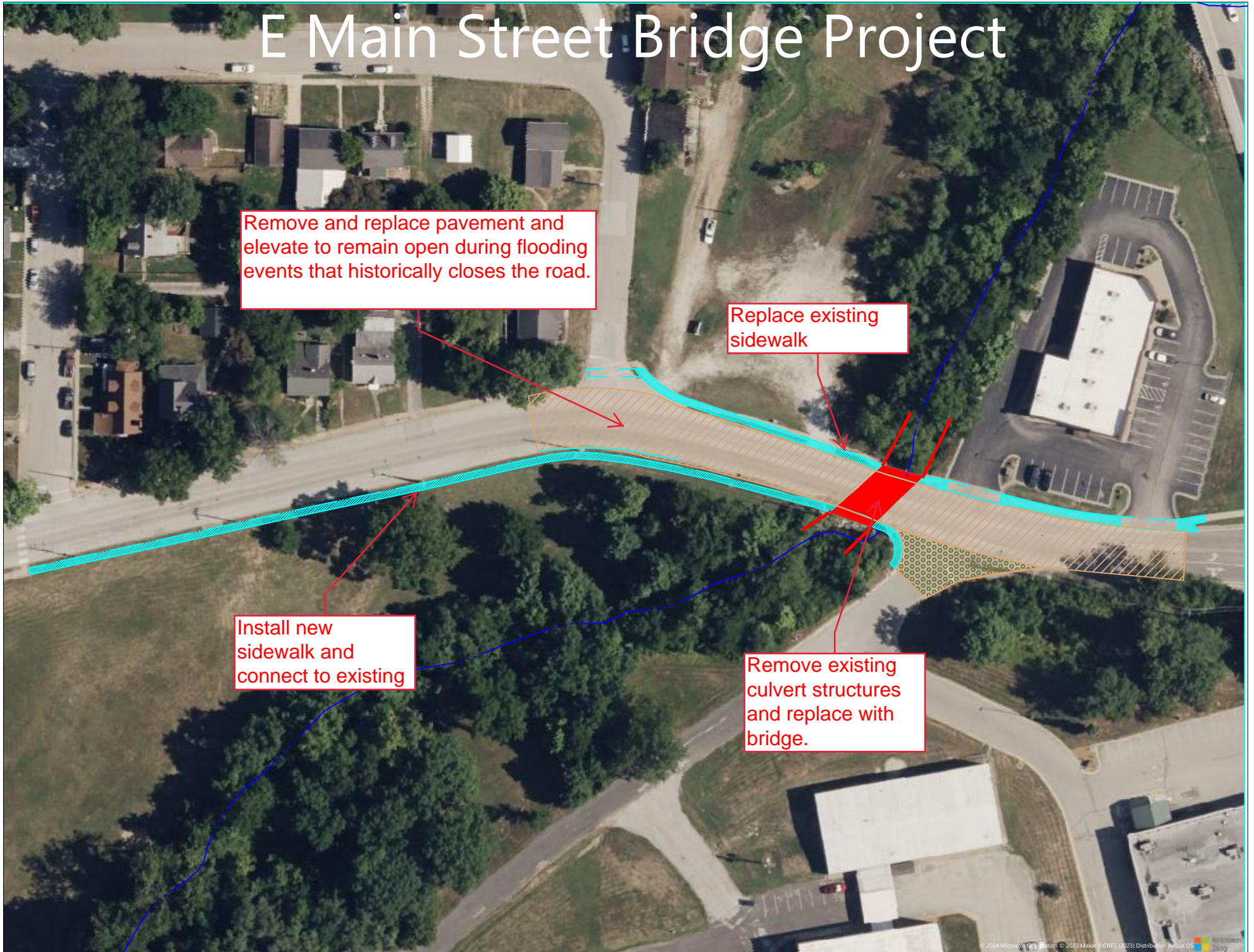
E Main Street Bridge Project

Remove and replace pavement and elevate to remain open during flooding events that historically closes the road.

Replace existing sidewalk

Install new sidewalk and connect to existing

Remove existing culvert structures and replace with bridge.



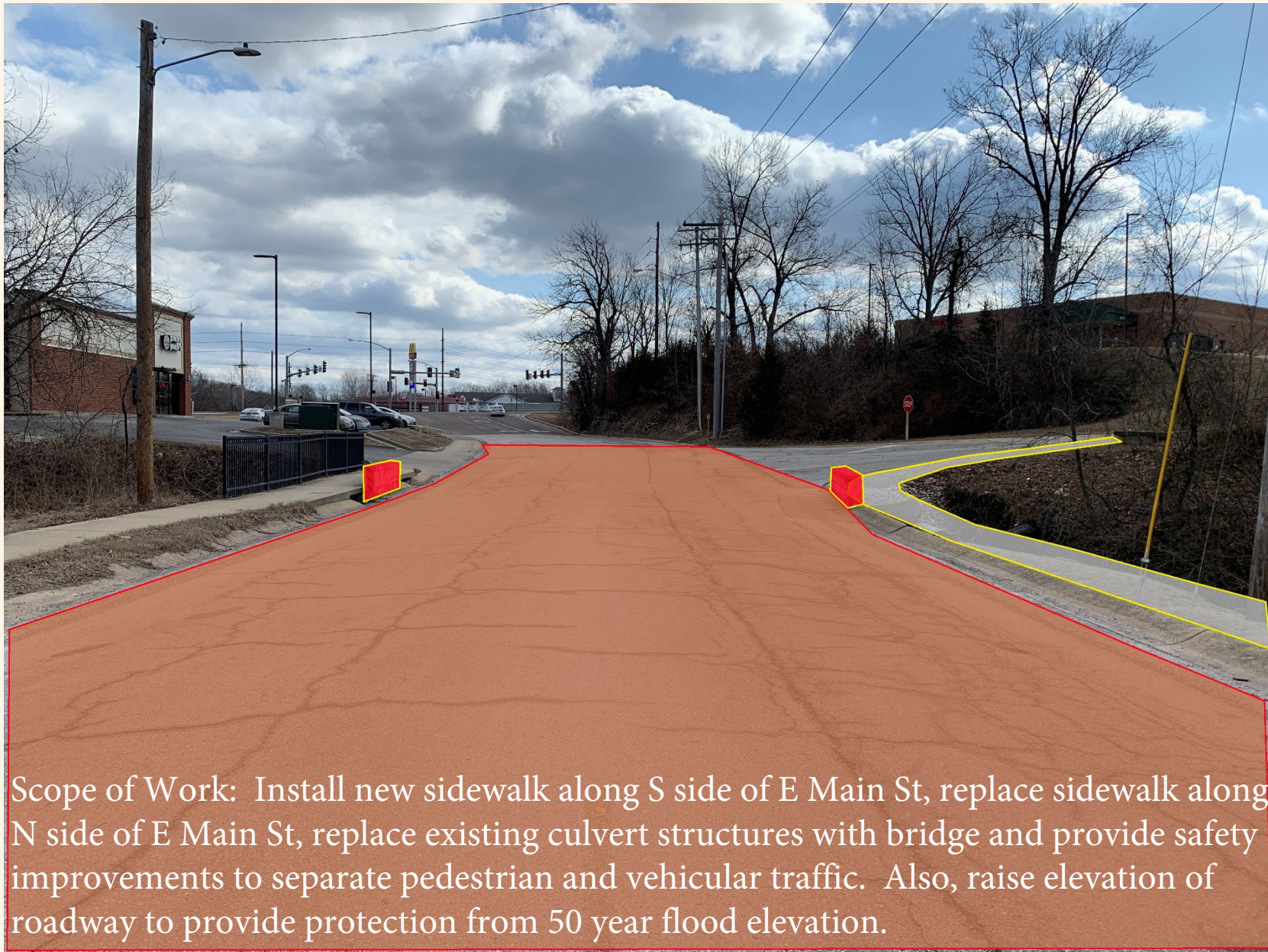
E Main Street Looking East



E Main Street Looking East



E Main Street Looking East

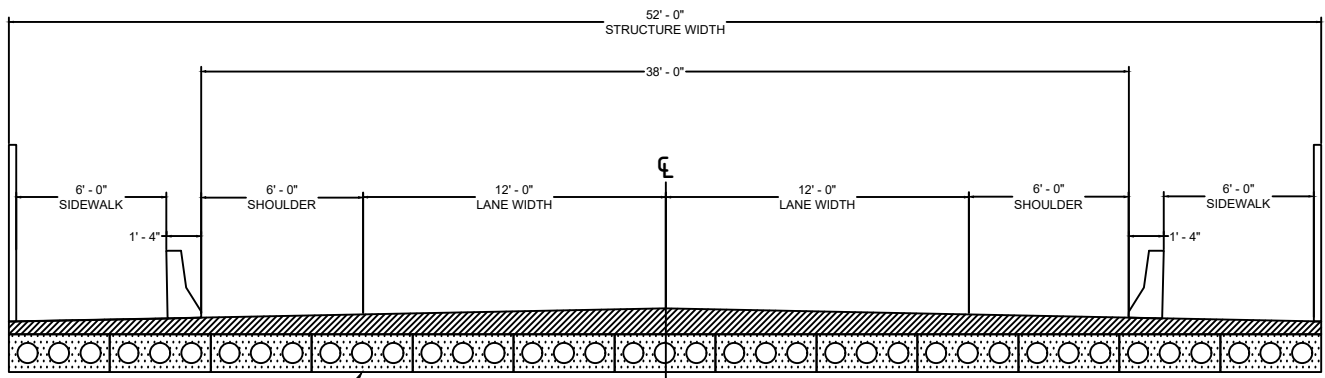


Scope of Work: Install new sidewalk along S side of E Main St, replace sidewalk along N side of E Main St, replace existing culvert structures with bridge and provide safety improvements to separate pedestrian and vehicular traffic. Also, raise elevation of roadway to provide protection from 50 year flood elevation.

E Main Street Looking West

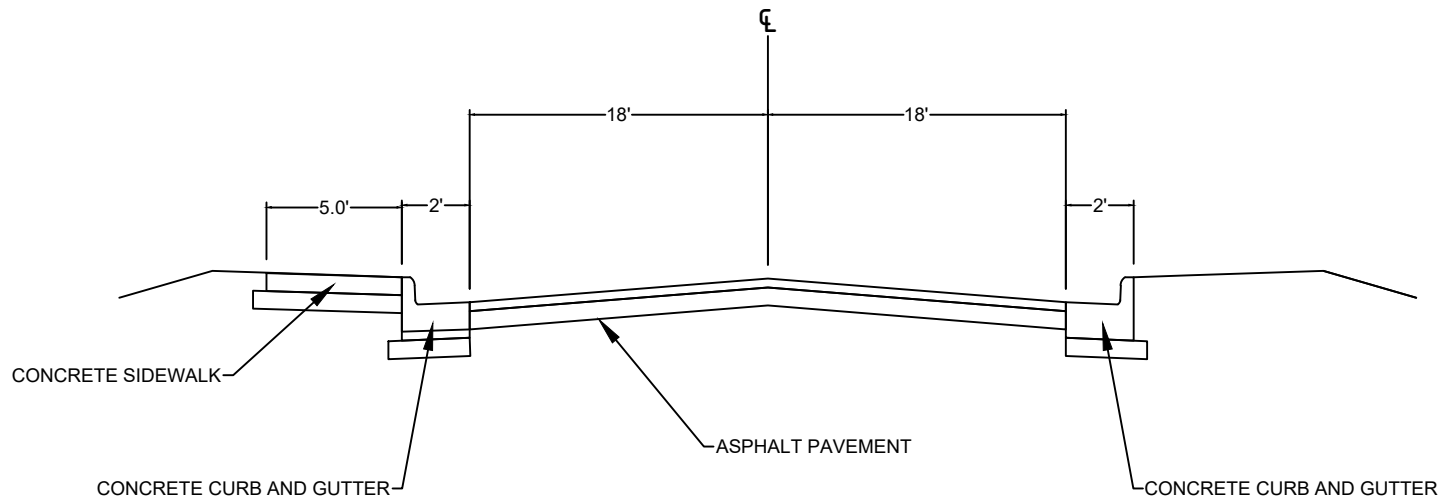


Scope of Work: Install new sidewalk along S side of E Main St and connect to existing sidewalk. Replace sidewalk along N side of E Main St. Replace existing culvert structures with bridge and provide safety improvements to separate pedestrian and vehicular traffic. Also, raise elevation of roadway to provide protection from 50 year flood elevation.

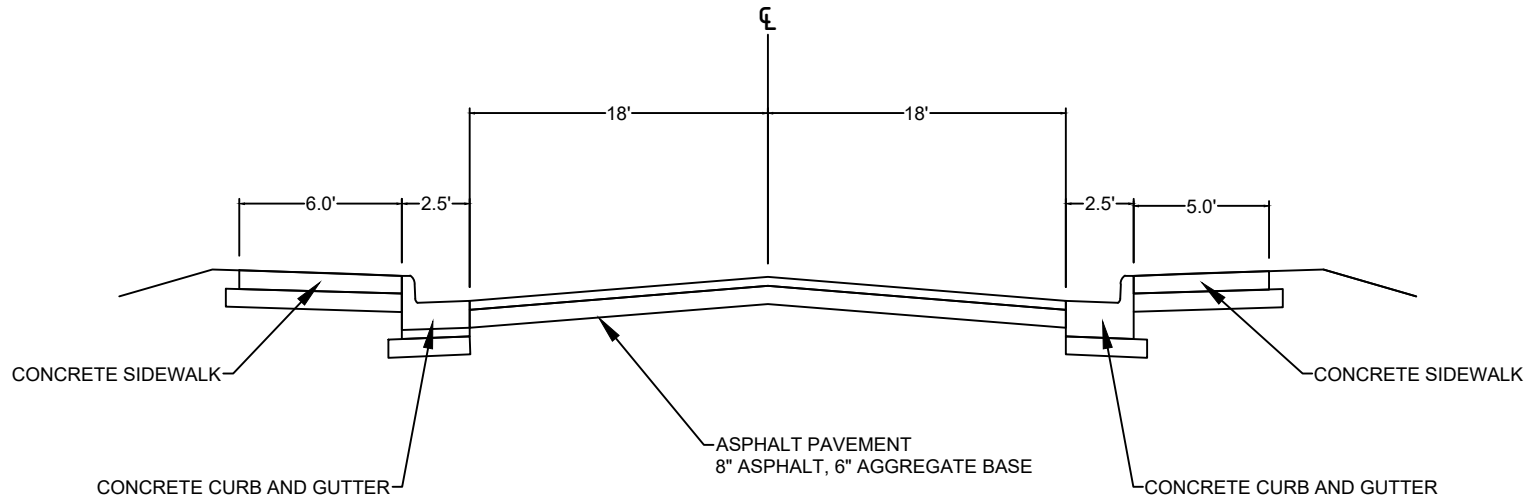


PRESTRESSED VOIDED SLAB BEAM (TYP.)

PROPOSED BRIDGE SECTION



TYPICAL SECTION E MAIN ST
(EXISTING)



TYPICAL SECTION E MAIN ST
(PLANNED)

CITY OF UNION PUBLIC NOTICE

**Meeting of
Transportation Committee
Wednesday, December 6, 2023 at 4:30 p.m.
City Hall, 10 East Locust Street, Union, MO**

1. [Approval of Minutes May 31, 2023](#)
2. Grant Updates
3. FHWA Urban Boundary – MoDOT
4. STP Grant – Winter 2024
5. Franklin County Grant Projects
6. Union High School Signage
7. St. Andrews Meadows Speed Limit / No Parking

*Pat Monaco, Chairman
Russell Rost, Secretary
Robert L. Schmuke, Mayor
Ann Schroeder, Member
Dr. Mike Mabe, Member
Steve Dickey, Member
Ed Stowe, Member
Vacancy. Member*

Posted this 30th day of November 2023

Cc: Mayor
Board of Aldermen
City Administrator City Attorney
Assistant City Administrator/Economic Development Director
Department Heads
Union Missourian KLPW

CITY OF UNION PUBLIC NOTICE

**MEETING
OF
PERSONNEL, FINANCE AND PUBLIC WORKS COMMITTEE
Tuesday, January 2, 2024 at 6:00 p.m.
Meeting place:
City Hall
10 East Locust Street, Union, MO 63084**

Agenda

1. Local Use Tax
2. FY24 Concrete Street Maintenance Project Bid
3. East-West Gateway STP – Winter 2024 Grant
4. Franklin County 2024 Transportation Grant

Brian Pickard, Chairman
Jacob T. Doepke, Member
Heather Epple, Member
Amanda Sullivan, Member
Russell Rost, Member
Tom Strubberg, Member

Posted this 22nd day of December 2023

cc: Mayor
Board of Aldermen
City Administrator
Asst. City Administrator/Econ. Dev. Dir.
City Attorney
All Department Heads
Missourian
KLPW Radio

MINUTES OF THE PERSONNEL, FINANCE AND PUBLIC WORKS COMMITTEE OF THE BOARD OF ALDERMEN OF THE CITY OF UNION, FRANKLIN COUNTY, MO.

Be it remembered that the Personnel, Finance and Public Works Committee of the Board of Aldermen of the City of Union, Franklin County, Missouri, met at City Hall, 10 E. Locust St. in said City on Tuesday, January 2, 2024, at 6:00 p.m. at which time there were present the following:

Present Members: Brian Pickard, Ward 1 - Chairman

Jacob Doepke, Ward 3

Russell Rost, Ward 2

Tom Strubberg, Ward 4

Heather Eppler, Ward 4

Absent Members: Amanda Sullivan, Ward 1

Others:

Robert Schmuke, Mayor

Jonita Copeland, City Clerk

J.D. Kelley, City Engineer

Chad Pohlmann, Park Director

Barbara E. Laberer, Ward 2

Mike Williford, Assn 't. Police Chief

Heather Keith, Finance Officer

Earl Neal, Emergency Management Director

Matthew A. Schroeder, City Attorney

Jonathan Zimmermann, City Administrator

James Schmieder, Assn' t. City Administrator/Economic Dev. Dir.

Media: Geoff Folsom, Missourian Other: 0

- 1. Local Use Tax** – City Administrator Jonathan Zimmermann questioned of the committee if they would like to place again a local use tax on the ballot for the April 2, 2024 election. The committee discussed referencing the benefit to local businesses, this being a fairness issue for them and for businesses looking to locate in Union, and the importance of educating citizens on what a local use tax is. Literature from previous attempts is available again for use. After discussing the consensus was to bring the local use tax back again in ordinance form for an aldermen vote.

Motion: To recommend bringing forth in ordinance form, placement of a local use tax on the April 2, 2024 Municipal Election ballot. Rost/Doepke-2nd, approved 5-0.

- 2. FY24 Concrete Street Maintenance Project Bid** – City Engineer J.D. Kelley presented the bids for the concrete street maintenance, which will be for sidewalk, curb/gutter and street repair. The amount budgeted for this project is \$103,739 and \$25,000 for Prairie Dell pavement repair following a water line replacement, totaling \$128,739. He explained this area's need of repair, per Aldermen Rost's request to clarify, due to citizens questioning this part of the road. After the waterline break city staff was to repair, however it was in MoDOT's right of way, therefore it had to be bid out. J.D. is recommending the best and lowest qualified bidder of Lamke Trenching & Excavating for \$128,365.30.

Motion: To recommend the bid of Lamke Trenching & Excavating for \$128,365.30 for the FY2024 Concrete Street Maintenance. Strubberg/Eppler-2nd, approved 5-0.

- 3. East-West Gateway STP – Winter 2024 Grant** – City Engineer J.D. Kelly explained the Winter 2024 Grant call for projects and referenced possible projects, requesting to proceed with an application.

Motion: To recommend proceeding with an application for a Winter 2024 grant with East-West Gateway. Rost/Doepke-2nd, approved 5-0.

CITY OF UNION PUBLIC NOTICE

**MEETING
OF
PERSONNEL, FINANCE AND PUBLIC WORKS COMMITTEE
Monday, February 5, 2024 at 6:00 p.m.
Meeting place:
City Hall
10 East Locust Street, Union, MO 63084**

Agenda

1. [Archimages, Inc. – Roy Mangan - Union Ambulance District – Waterline Extension Discussion](#)
2. [MoDOT Hwy Safety Grants – Union Police Department](#)
3. [Request for Purchase – Union Police Department](#)
4. Water/Sewer Write-Offs
5. Meter Reading Software (Water Department)
6. Auditor Contract - Sikich
7. [Emergency Notification System – Request for Proposals](#)
8. [Waive Permit Fee Request – Shelter Project - Joe Purschke](#)
9. Leadership Training
10. 2024 EWG STP Grant Application/Fee

Brian Pickard, Chairman
Jacob T. Doepke, Member
Heather Epple, Member
Amanda Sullivan, Member
Russell Rost, Member
Tom Strubberg, Member

Posted this 1st day of February 2024

cc: Mayor
Board of Aldermen
City Administrator
Asst. City Administrator/Econ. Dev. Dir.
City Attorney
All Department Heads
Missourian
KLPW Radio