

**RESOLUTION NO. 01-2022**

**A RESOLUTION OF THE CITY COUNCIL OF CLINTON, MISSOURI, APPROVING TASK ORDER NO. 5 BETWEEN THE CITY OF CLINTON (CITY) AND CJW TRANSPORTATION CONSULTANTS, LLC (CJW).**

**WHEREAS**, the City entered into an Agreement dated May 24, 2021, with CJW for transportation engineering services; and

**WHEREAS**, the City desires to issue Task Order No. 5 with CJW for design and bidding services for the Rives Road Bridge Replacement Over Town Creek Project;

**NOW THEREFORE BE IT HEREBY RESOLVED BY THE CITY COUNCIL OF CLINTON, MISSOURI AS FOLLOWS:**

**Section 1.** Task Order No. 5 (attached), not to exceed Two Hundred Two Thousand Eight Hundred Ninety-One Dollars and Zero Cents (\$202,891.00) is hereby approved.

**Section 2.** The City Administrator is hereby authorized to execute said Task Order on behalf of the City of Clinton.

Read and passed this 15<sup>th</sup> day of February, 2022.

  
\_\_\_\_\_  
Greg Lowe, Mayor

ATTEST

  
\_\_\_\_\_  
Wendee Seaton, City Clerk



**PROPOSAL FOR SERVICES - NO. 5**  
**Rives Road Bridge Replacement Over Town Creek**

This Proposal for Services (“PROPOSAL”) pertains to an Engineer Services Agreement by and between the City of Clinton, Missouri, (“OWNER”), and CJW Transportation Consultants, LLC (“ENGINEER”), dated May 24, 2021, (“the Agreement”). Engineer shall perform services on the project described below as provided herein and in the Agreement. This Proposal shall not be binding until it has been signed by both parties. Upon execution, this Proposal shall supplement the Agreement as it pertains to the project described below. All terms of the Agreement shall apply to this Proposal.

**PROPOSAL FOR SERVICES: NO. 5**

**PROJECT NAME: Rives Road Bridge Replacement Over Town Creek**

**PART 1.0 ENGINEERS’S SERVICES**

Engineer’s services for this Proposal are generally identified as storm water system adjustments, including the complete bridge replacement by placing and street rehabilitation of approximately 500 feet of new roadway, removal of existing structure, a new structure, storm improvements, and includes the removal and replacement of approximately 1300 SY of full depth pavement.

**PART 2.0 PROJECT DESCRIPTION**

The Rives Road Bridge Replacement Over Town Creek project consists of the information provided in the *Rives Road Bridge Replacement, Design Scope of Services (12/10/2021)*, completed per Proposal No. 3, and tasks included in this proposal. Right of Way Plans (60%) will be generated and provided to the City for their review. Any permits needed for the project will be obtained. Final Design Plans (100%) will be provided and used for the bidding of the structure replacement. Management & Administration will be included in this proposal, as will Direct Costs. Additionally, the Engineer commits to attending one (1) community involvement meeting for this project.

**PART 3.0 SCOPE OF SERVICES TO BE PERFORMED BY ENGINEER ON THE PROJECT:**

Tasks include:

**Task 1.0 – Right of Way / Temporary Easement Plan Phase (60 percent plans):**

The right-of-way plans shall show alignment, geometric design, removal of improvements, drainage facilities, temporary erosion control, property lines and ownership, other land survey information, street lines, and existing rights-of-way and easements. Including:

- Right-of-way plans shall include title sheet, typical sections, profile sheets, and cross sections of the roadway, entrances and side streets. Areas of new right-of-way,

permanent easements and/or temporary easements required from each individual property owner may be shown in tabular form on the respective sheets.

The following minimum design features shall be included on the right-of-way plans:

- Title sheet with the appropriate project limits, access note and traffic data complete
- Typical sections
- Cross sections at where needed to illustrate construction, including additional sections at each entrance with new and existing entrance grades.
- Construction limits (slope lines); drainage facilities; entrances and their reference location, width and type; property owners, with areas of easements, and remaining property; center line bearing, ties to legal land corners from center line stations with notation for corner witness by a registered land surveyor; existing utility locations and easements, including replacement utility easements; and horizontal curvature information; including areas which may be required to accommodate temporary erosion control.

**Deliverables: Three (3) review copies of the Right of Way/Easement Plans with Documents, Opinion of Probable Construction Cost, and any other Right of Way/Easement Design Phase deliverables to the City**

Task 2.0 – Permits:

Several permits will be required throughout the project. The Consultant shall assist the City in obtaining the necessary permits which shall include preparing all correspondence and attending meetings to discuss the project, preparing the necessary exhibits, documentation and permit applications for the work. Application fees shall be paid for by the city and are not included within the reimbursable expenses for the project.

Task 3.0 – Final Design Phase (100 percent plans):

After acceptance by the City of the Preliminary Design Phase documents, revised opinion of probable Construction Cost as determined in the Preliminary Design Phase, subject to the City directed modifications or changes in the scope, extent, character, or design requirements of or for the Project, and upon written authorization for the City, CJW Shall provide:

- Meet with utility companies and others as appropriate to discuss impact of project on their facilities.
- Continue coordination with those government agencies having a regulatory interest in the project and answer questions, as necessary.
- Erosion Control plans shall include detailed temporary erosion control plans.
- Title Sheet.
- Typical Sections where needed.
- Quantity Sheets.
- Profile Sheets where needed.
- Earthwork quantities and cross sections.

**Deliverables: Three (3) review copies of the Final Design Phase with Documents, Opinion of probable Construction Cost, and any other Final Design Phase deliverables to the City**

Task 4.0 – Bidding Phase:

After acceptance by the City of the final Drawings and Specifications, other Construction Contract Documents, Bidding-Related Documents, and the most recent opinion of Probable Construction Cost as determined in the Final Design Phase, CJW shall bid the Franklin Street Bridge project, which includes the following components:

- Advertise for and obtain bids or proposals for the Work, assist City in issuing assembled design, contracts, and bidding-related documents to prospective contractors, and where applicable, maintain a record of prospective contractors to which the documents have been issued, if any, and receive and process contractor deposits or charges for the issued document.
- Prepare and issue Addenda as appropriate to clarify, correct, or change the issued documents.
- If the issued documents require, CJW shall evaluate and determine the acceptability of “or equals” and substitute materials and equipment proposed by prospective contractors, provided that such proposals are allowed by the bidding-related documents.
- Attend the bid opening, prepare bid tabulation sheet to meet City’s Schedule, and assist the City in evaluating bids, assembling final contracts for the Work for execution by the City and Contractor, and in issuing notices of award of such contracts.

The Bidding Phase will be considered complete upon commencement of the Construction Phase. Tasks for Construction Services shall be considered by the City at the time of bidding.

Task 5.0 – Management & Administration

CJW will attend two (2) project progress meetings with the City of Clinton. It is anticipated that each progress meeting will be held by video conference and will be attended by the senior designer and the project manager. CJW will provide invoicing to the City of Clinton at least monthly for both CJW’s and for Benesch’s design hours. Additionally, CJW will attend one public meeting along with the City to provide information to the public regarding the project and to be sure that no unforeseen issues were overlooked. If it is preferred that the two (2) project progress meetings be held in person, there will be an additional Direct Cost charge of 210 miles per meeting at \$0.56 per mile.

Task 6.0 – Direct Costs

All mileage will be charged at the rate of \$0.56 per mile. It is anticipated that CJW will attend four (4) meetings in person. The four meetings will include a Design Field Check,

a Public Meeting, a Pre-Bid Meeting, and a Pre-Construction Meeting for a total of 840 miles.

### **SERVICES PROVIDED BY THE CITY**

The City shall provide available information of record to the Design Professional. In addition, the following specific items shall be furnished or performed by the City:

- Provide to the Consultant, a topographic base map with two foot contours, existing water lines, sewer easements, planimetric features and base features, including digital terrain modeling for use throughout the project.
- Secure any available drawings or maps from the City which would aid in the design and interfacing of the project.
- Assist the Design Professional in obtaining utility maps indicating size and location of utilities both above ground and below ground. The City shall also assist the Design Professional with the coordination of any utility relocations or modifications.
- Attend meetings with interested officials of Federal or State government agencies, local businesses and property owners.
- Provide rights of access to public and private property necessary for collection of data and surveys.
- The City will serve as the Project Manager and primary point of contact for the Engineer throughout the project.
- The City will provide existing documentation to CJW, as necessary, which may be useful in completing the project. At a minimum the City will provide:
  - Aerial photo of project area
  - Subdivision plats within project area
  - GIS shape files
  - The City will provide, in writing, review comments to the first (preliminary) design plan submittal, and second (final) design plan submittal (if necessary) for this project

### **Assumptions**

This estimated cost is based on the tasks described above and the assumptions listed below:

- One community involvement meeting
- No detailed studies of noise impacts or air quality will be needed
- No detailed studies of asbestos or lead contamination will be needed
- No detailed geotechnical investigations will be needed

Subject:	Engineering Design Fee Estimate City of Clinton, MO Henry County, Missouri Rives Road Bridge		
By:	CJW	Date:	02/04/22
CJW No.	21099	Sheet:	1 of 2



MAN-HOURS and FEE ESTIMATE																			
	Project	Senior	Project	Engineer	Senior	Professional	Survey Crew	Office	Hours	Cost									
												Principal	Engineer	Engineer	Intern	Designer	Land Surveyor	2-person	Administrator
												Project	Senior	Project	Engineer	Senior	Professional	Survey Crew	Office
Hourly rate =	Principal	Engineer	Engineer	Intern	Designer	Land Surveyor	2-person	Administrator	Total	total									
	\$162.00	\$143.00	\$103.00	\$75.00	\$79.00	\$83.00	\$126.00	\$32.00											
<b>RIVES ROAD BRIDGE REPLACEMENT</b>																			
<b>Task 1.0</b>																			
<b>Right of Way/Temporary Easement Plan Phase (60 percent plans)</b>																			
Task 1.1	R.O.W & Easement Design		2		6	4			12	\$1,092									
Task 1.2	Title Sheet		2	2	8				12	\$1,124									
Task 1.3	Typical Sheet		2	2	4				8	\$808									
Task 1.4	Plan/Profile Sheets		2	8	2	32			44	\$3,788									
Task 1.5	Detail/Special Sheets		2	6	2	8			18	\$1,686									
Task 1.6	R.O.W. and Easement Plan Sheets		4	4	12	8			28	\$2,596									
Task 1.7	Cross Sections		2	2	16				20	\$1,756									
Task 1.8	Construction Limits		2	1	4				7	\$705									
Task 1.9	Design Field Check and R.O.W Revisions	8	8	8	8				32	\$3,896									
Task 1.10	R.O.W Revisions due to Owner Negotiations		4	1	4	4			13	\$1,323									
Task 1.11	Construction Cost Estimate		4	1	1				6	\$754									
Task 1.12	QA/QC		4	4	4				12	\$1,632									
<b>Subtotal</b>			<b>12</b>	<b>38</b>	<b>39</b>	<b>4</b>	<b>103</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>212</b>	<b>\$21,160</b>							
<b>Task 2.0</b>																			
<b>Permits</b>																			
Task 2.1	SWPPP		1	2	8				11	\$949									
Task 2.2	Land Disturbance Permit		1	2	6				9	\$799									
Task 2.3	NPDES Permit		1	2	6				9	\$799									
<b>Subtotal</b>			<b>0</b>	<b>3</b>	<b>6</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>\$2,547</b>							
<b>Task 3.0</b>																			
<b>Final Design Phase (100 percent plans)</b>																			
Task 3.1	Cover Sheet		1	1	1				3	\$325									
Task 3.2	Typical Section Sheets		4	1	4				9	\$991									
Task 3.3	General Notes Sheet		4	2	4				10	\$1,094									
Task 3.4	Detail/Special Sheets		2	4	6	8			20	\$1,780									
Task 3.5	Removal Sheets		2	2	2	8			14	\$1,274									
Task 3.6	Profile Sheets		4	8	4	16			32	\$2,960									
Task 3.7	Storm Drainage Calculations & Report		6	2	8				16	\$1,664									
Task 3.8	Storm Drainage Plan and Profile Sheets		2	2	8	12			24	\$2,040									
Task 3.9	Sediment and Erosion Control Sheets		2	2	4	8			16	\$1,424									
Task 3.10	Right-of-Way & Easement Sheets		4	2	4	8			18	\$1,758									
Task 3.11	Cost Estimates		4	2	4	4			14	\$1,394									
Task 3.12	Special Provisions		8						8	\$1,144									
Task 3.13	Bid Documents		8	10				8	26	\$2,430									
Task 3.14	QA/QC	4	4	4	2	8			22	\$2,414									
<b>Subtotal</b>			<b>4</b>	<b>55</b>	<b>42</b>	<b>38</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>232</b>	<b>\$22,692</b>								
<b>Task 4.0</b>																			
<b>Bidding Phase</b>																			
Task 4.1	Advertise for and obtain bids for the proposed		4		4				8	\$872									
Task 4.2	Attend Pre-Bid Meeting	8	8	8					24	\$3,264									
Task 4.3	Answer Design Questions		4	2	2				8	\$936									
Task 4.4	Prepare Addenda		4	1	1				6	\$750									
Task 4.5	Attend Bid Opening & Tabulate Result to City	8	8						16	\$2,440									
<b>Subtotal</b>			<b>16</b>	<b>28</b>	<b>11</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>62</b>	<b>\$8,262</b>							
<b>Task 5.0</b>																			
<b>Management &amp; Administration</b>																			
Task 5.1	Project Progress Meetings (2)		12		12				24	\$2,616									
Task 5.2	Administration & Invoicing	1	2					8	11	\$704									
Task 5.3	Public Meeting	8	8						16	\$2,440									
<b>Subtotal</b>			<b>9</b>	<b>22</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>51</b>	<b>\$5,760</b>							
<b>Task 6.0</b>																			
<b>Direct Costs</b>																			
Task 6.1	Mileage/Printing	4 - Round Trips (Design Field Check, Public Meeting, Pre-Bid Meeting, Pre-Con Meeting); Total Estimated Miles = 840 @ 0.56/mile									\$470								
<b>Subtotal</b>											<b>\$470</b>								

**TOTAL COST \$60,891**

Subject:	Engineering Scoping Fee Estimate City of Clinton, MO Henry County, Missouri Rives Road Bridge		
By:	CJW	Date: 02/04/22	Sheet:
CJW No.	21099		2 of 2



**SUMMARY OF MAN-HOURS and FEE ESTIMATE**

**CJW Transportation Consultants, LLC**

<u>RIVES ROAD BRIDGE REPLACEMENT</u>		Hours	Cost
Task 1.0	Right of Way/Temporary Easement Plan Phase (60 percent plans)	212	\$ 21,160
Task 2.0	Permits	29	\$ 2,547
Task 3.0	Final Design Phase (100 percent plans)	232	\$ 22,692
Task 4.0	Bidding Phase	62	\$ 8,262
Task 5.0	Management & Administration	51	\$ 5,760
Task 6.0	Direct Costs		\$ 470
		<u>Σ Hours = 586</u>	<u>Σ Labor = \$ 60,891.00</u>

Direct Salary Rate =	\$64.20	\$64.50	\$49.00	\$29.20	\$55.40	\$30.20	\$33.00	\$60.60
Project Multiplier of 3.05 Applied =	\$206.00	\$207.00	\$157.00	\$94.00	\$177.00	\$97.00	\$106.00	\$194.00
	Harker	Tepen	Shippy	Aspinwall	Keal	Rockwell	Bockwinkel	Jussel

Classification	Prin	PM	SL	SD	RL	PEI	ST	TL	TOTAL COST
Hourly Rate	\$206.00/hr.	\$207.00/hr.	\$157.00/hr.	\$94.00/hr.	\$177.00/hr.	\$97.00/hr.	\$106.00/hr.	\$194.00/hr.	

PRELIMINARY BRIDGE DESIGN									
Coordination with Hydraulics (CJW)		4 hrs.	4 hrs.						\$1,456
Survey Coordination, Import & Conversion			2 hrs.				4 hrs.		\$738
Conceptual/Preliminary Alternatives Evaluation		2 hrs.	12 hrs.	24 hrs.			8 hrs.		\$5,402
Conceptual Bridge Selection Memo - 2 alt.		1 hrs.	4 hrs.	12 hrs.					\$1,963
Prepare Sounding Request			2 hrs.				4 hrs.		\$738
Review Geotechnical Report & Recommendations		2 hrs.	2 hrs.						\$728
Bridge TS&L Plan Sheet			2 hrs.	6 hrs.			12 hrs.		\$2,150
Bridge TS&L Typical Sections			2 hrs.	4 hrs.			8 hrs.		\$1,538
Bridge TS&L Elevation and Road Profile Sheet			2 hrs.	4 hrs.			8 hrs.		\$1,538
General Plan & Elevation Sheet			4 hrs.	8 hrs.			16 hrs.		\$3,076
Bridge Section			2 hrs.	6 hrs.			8 hrs.		\$1,726
Preliminary Girder Design		4 hrs.	8 hrs.	16 hrs.					\$3,588
Constructability Review & MoDOT Questionnaire		2 hrs.	2 hrs.						\$728
Quality Control Review		8 hrs.		2 hrs.			8 hrs.		\$2,692
Preliminary Quantities & Engineer's Cost Estimate			4 hrs.	4 hrs.					\$1,004
Address City Review Comments		2 hrs.	4 hrs.	4 hrs.			8 hrs.		\$2,266
Project Mtg (2); Field Visit (1) & General Coordination	2 hrs.	8 hrs.	8 hrs.						\$3,324
									\$0
MANHOUR SUBTOTAL	2 hrs.	33 hrs.	64 hrs.	90 hrs.	0 hrs.	0 hrs.	84 hrs.	0 hrs.	273 hrs.
LABOR SUBTOTAL	\$412	\$6,831	\$10,048	\$8,460	\$0	\$0	\$8,904	\$0	\$34,655
FINAL BRIDGE DESIGN									
Finalize General Plan & Elevation Sheet			2 hrs.	6 hrs.			10 hrs.		\$1,938
General Notes, Quantities, & Foundation Data		2 hrs.	4 hrs.	6 hrs.			4 hrs.		\$2,030
Details of End Bent No. 1 (Plan)			6 hrs.	12 hrs.			10 hrs.		\$3,130
Details of End Bent No. 1 (Plan & Elevation)			6 hrs.	8 hrs.			10 hrs.		\$2,754
Details of End Bent No. 1 (Wings & Sections)			6 hrs.	10 hrs.			10 hrs.		\$2,942
Details of End Bent No. 4 (Plan)			6 hrs.	12 hrs.			10 hrs.		\$3,130
Details of End Bent No. 4 (Plan & Elevation)			6 hrs.	8 hrs.			10 hrs.		\$2,754
Details of End Bent No. 4 (Wings & Sections)			6 hrs.	10 hrs.			10 hrs.		\$2,942
Vertical Drain at End Bents (1 Sheet)			1 hrs.	2 hrs.			2 hrs.		\$557
Details of Int. Bent No. 2 (Column & Drilled Shaft)			16 hrs.	24 hrs.			15 hrs.		\$6,358
Details of Int. Bent No. 2 (Cap Plan & elevation)			16 hrs.	24 hrs.			15 hrs.		\$6,358
Details of Int. Bent No. 3 (Column & Drilled Shaft)			16 hrs.	24 hrs.			15 hrs.		\$6,358
Details of Int. Bent No. 3 (Cap Plan & elevation)			16 hrs.	24 hrs.			15 hrs.		\$6,358
Span (1-2) Beam Detail Sheets			4 hrs.	8 hrs.			12 hrs.		\$2,652
Span (2-3) Beam Detail Sheets			4 hrs.	8 hrs.			12 hrs.		\$2,652
Span (3-4) Beam Detail Sheets			4 hrs.	8 hrs.			12 hrs.		\$2,652
Details of Diaphragm at Intermediate Bent No. 2 & 3			4 hrs.	4 hrs.			4 hrs.		\$1,428
Slab Elevations & Haunching/Camber Diagrams			2 hrs.	6 hrs.			6 hrs.		\$1,514
Prestressed Deck Panel Details (1 Sheet)			2 hrs.	4 hrs.			4 hrs.		\$1,114
Deck Drain Details (1 Sheet)			2 hrs.	4 hrs.			4 hrs.		\$1,114
Plan of Top Slab Reinforcement			8 hrs.	12 hrs.			12 hrs.		\$3,656
Plan of Bottom Slab Reinforcement			6 hrs.	12 hrs.			12 hrs.		\$3,342
Slab Section, Slab Pouring Sequence and Details			6 hrs.	12 hrs.			8 hrs.		\$2,918
Type D Elevation & Section			2 hrs.	2 hrs.			4 hrs.		\$926
Type D at End Bents			2 hrs.	2 hrs.			4 hrs.		\$926
Sidewalk Fence Details (1 Sheet)			2 hrs.	4 hrs.			8 hrs.		\$1,538
Details of Bridge Approach Slab			2 hrs.	4 hrs.			6 hrs.		\$1,326
Bill of Reinforcing (3 Sheets)			8 hrs.	16 hrs.			16 hrs.		\$4,456
Boring Log (3 Sheets)			2 hrs.	2 hrs.			4 hrs.		\$926
Boring Data Legend/Sub Surface Data			1 hrs.	1 hrs.			2 hrs.		\$463
Calculating Final Quantities		2 hrs.	8 hrs.	8 hrs.			8 hrs.		\$3,270
Quality Control Review	16 hrs.	8 hrs.		12 hrs.			16 hrs.		\$7,776
Prepare Construction Cost Estimate			4 hrs.	4 hrs.					\$1,004
Work Day Study			4 hrs.	6 hrs.					\$1,192
JSP's (Bridge)		2 hrs.	2 hrs.						\$728
Prepare Electronic Deliverables & Calc Package				8 hrs.			8 hrs.		\$1,600
Inventory Inspection & Load Rating		4 hrs.		24 hrs.					\$3,084
MANHOUR SUBTOTAL	16 hrs.	18 hrs.	186 hrs.	341 hrs.	0 hrs.	0 hrs.	298 hrs.	0 hrs.	859 hrs.
LABOR SUBTOTAL	\$3,296	\$3,726	\$29,202	\$32,054	\$0	\$0	\$31,588	\$0	\$99,866

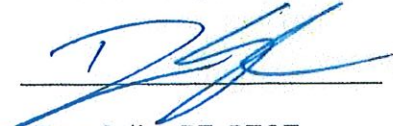


This Proposal for Services is executed this 17<sup>th</sup> day of February, 2022.

OWNER:  
City of Clinton

ENGINEER:  
CJW Transportation Consultants, LLC

BY: 

BY: 

NAME: Christina A. Maggi

NAME: Dane Seiler, PE, PTOE

TITLE: City Administrator

TITLE: President

ADDRESS: 105 E. Ohio  
Clinton, MO 64735

ADDRESS: 5051 S. National Ave.  
Suite 7A  
Springfield, MO 65810