



Illinois Department
of Transportation

#23-133

Local Public Agency
Engineering Services Agreement

Using Federal Funds? ☐ Yes ☒ No Agreement For **MFT PE** Agreement Type **Original**

LOCAL PUBLIC AGENCY			
Local Public Agency	County	Section Number	Job Number
Marshall County	Marshall	23-09120-00-BR	
Project Number	Contact Name	Phone Number	Email
	Mr. Patrick Sloan, P.E.	(309) 246-6401	psloan@marshallcountyillinois.gov

SECTION PROVISIONS			
Local Street/Road Name	Key Route	Length	Structure Number
Stagecoach Road	TR 17	1000	062-4437 (Exist)
Location Termini			<input type="button" value="Add Location"/> <input type="button" value="Remove Location"/>
Approximately 500' west to 500' east of existing structure.			

Project Description
Complete Phase 1, roadway plans, structure plans and environmental coordination for structure replacement of existing structurally deficient and functionally obsolete bridge.

Engineering Funding ☒ MFT/TBP ☐ State ☐ Other
Anticipated Construction Funding ☐ Federal ☒ MFT/TBP ☐ State ☐ Other

AGREEMENT FOR
☒ Phase I - Preliminary Engineering ☒ Phase II - Design Engineering

CONSULTANT			
Prime Consultant (Firm) Name	Contact Name	Phone Number	Email
WHKS & Co	Mark Leighton	(217) 483-9457	mleighton@whks.com
Address	City	State	Zip Code
3501 Constitution Drive, Suite B	Springfield	IL	62711

THIS AGREEMENT IS MADE between the above Local Public Agency (LPA) and Consultant (ENGINEER) and covers certain professional engineering services in connection with the improvement of the above SECTION. Project funding allotted to the LPA by the State of Illinois under the general supervision of the State Department of Transportation, hereinafter called the "DEPARTMENT," will be used entirely or in part to finance ENGINEERING services as described under AGREEMENT PROVISIONS.

Since the services contemplated under the AGREEMENT are professional in nature, it is understood that the ENGINEER, acting as an individual, partnership, firm or legal entity, qualifies for professional status and will be governed by professional ethics in its relationship to the LPA and the DEPARTMENT. The LPA acknowledges the professional and ethical status of the ENGINEER by entering into an AGREEMENT on the basis of its qualifications and experience and determining its compensation by mutually satisfactory negotiations.

WHEREVER IN THIS AGREEMENT or attached exhibits the following terms are used, they shall be interpreted to mean:

Regional Engineer	Deputy Director, Office of Highways Project Implementation, Regional Engineer, Department of Transportation
Resident Construction Supervisor	Authorized representative of the LPA in immediate charge of the engineering details of the construction PROJECT
In Responsible Charge Contractor	A full time LPA employee authorized to administer inherently governmental PROJECT activities Company or Companies to which the construction contract was awarded

AGREEMENT EXHIBITS

The following EXHIBITS are attached hereto and made a part of hereof this AGREEMENT:

- ☒ EXHIBIT A: Scope of Services
- ☒ EXHIBIT B: Project Schedule
- ☒ EXHIBIT C: Qualification Based Selection (QBS) Checklist
- ☐ EXHIBIT D: Cost Estimate of Consultant Services (BLR 05513 or BLR 05514)
- ☒ EXHIBIT D : Direct Costs Check Sheet (attach BDE 436 when using Lump Sum on Specific Rate Compensation)
- ☒ EXHIBIT E: Consultant Engineering Est-Specific Rate
- ☐ _____
- ☐ _____

I. THE ENGINEER AGREES.

1. To perform or be responsible for the performance of the Scope of Services presented in EXHIBIT A for the LPA in connection with the proposed improvements herein before described.
2. The Classifications of the employees used in the work shall be consistent with the employee classifications and estimated staff hours. If higher-salaried personnel of the firm, including the Principal Engineer, perform services that are to be performed by lesser-salaried personnel, the wage rate billed for such services shall be commensurate with the payroll rate for the work performed.
3. That the ENGINEER shall be responsible for the accuracy of the work and shall promptly make necessary revisions or corrections required as a result of the ENGINEER'S error, omissions or negligent acts without additional compensation. Acceptance of work by the LPA or DEPARTMENT will not relieve the ENGINEER of the responsibility to make subsequent correction of any such errors or omissions or the responsibility for clarifying ambiguities.
4. That the ENGINEER will comply with applicable Federal laws and regulations, State of Illinois Statutes, and the local laws or ordinances of the LPA.
5. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LPA.
6. To invoice the LPA, The ENGINEER shall submit all invoices to the LPA within three months of the completion of the work called for in the AGREEMENT or any subsequent Amendment or Supplement.
7. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of US Department of Transportation (US DOT) assisted contract. Failure by the Engineer to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination of this AGREEMENT or such other remedy as the LPA deems appropriate.
8. That none of the services to be furnished by the ENGINEER shall be sublet, assigned or transferred to any other party or parties without written consent of the LPA. The consent to sublet, assign or otherwise transfer any portion of the services to be furnished by the ENGINEER shall be construed to relieve the ENGINEER of any responsibility for the fulfillment of this AGREEMENT.
9. For Preliminary Engineering Contracts:
 - (a) To attend meetings and visit the site of the proposed improvement when requested to do so by representatives of the LPA or the DEPARTMENT, as defined in Exhibit A (Scope of Services).
 - (b) That all plans and other documents furnished by the ENGINEER pursuant to the AGREEMENT will be endorsed by the ENGINEER and affixed the ENGINEER's professional seal when such seal is required by law. Such endorsements must be made by a person, duly licensed or registered in the appropriate category by the Department of Professional Regulation of the State of Illinois. It will be the ENGINEER's responsibility to affix the proper seal as required by the Bureau of Local Roads and Streets manual published by the DEPARTMENT.
 - (c) That the ENGINEER is qualified technically and is thoroughly conversant with the design standards and policies applicable for the PROJECT; and that the ENGINEER has sufficient properly trained, organized and experienced personnel to perform the services enumerated in Exhibit A (Scope of Services).
10. That the engineering services shall include all equipment, instruments, supplies, transportation and personnel required to perform the duties of the ENGINEER in connection with this AGREEMENT (See DIRECT COST tab in BLR 05513 or BLR 05514).

II. THE LPA AGREES.

1. To certify by execution of this AGREEMENT that the selection of the ENGINEER was performed in accordance with the Professional Services Selection Act (50 ILCS 510) (Exhibit C).
2. To furnish the ENGINEER all presently available survey data, plans, specifications, and project information.
3. To pay the ENGINEER:
 - (a) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.
 - (b) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and DEPARTMENT a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER

shall be due and payable to the ENGINEER.

(c) For Non-Federal County Projects - (605 ILCS 5/5-409)

(1) For progressive payments - Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LPA, monthly payments for the work performed shall be due and payable to the ENGINEER. Such payments to be equal to the value of the partially completed work in all previous partial payments made to the ENGINEER.

(2) Final payment - Upon approval of the work by the LPA but not later than 60 days after the work is completed and reports have been made and accepted by the LPA and STATE, a sum of money equal to the basic fee as determined in the AGREEMENT less the total of the amount of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

4. To pay the ENGINEER as compensation for all services rendered in accordance with the AGREEMENT on the basis of the following compensation method as discussed in 5-5.10 of the BLR Manual.

Method of Compensation:

☐ Percent

☐ Lump Sum

☒ Specific Rate \$100,250.22 (Maximum Fee \$150,000)

☐ Cost plus Fixed Fee:

Total Compensation = DL + DC + OH + FF

Where:

DL is the total Direct Labor,

DC is the total Direct Cost,

OH is the firm's overhead rate applied to their DL and

FF is the Fixed Fee.

Where FF = (0.33 + R) DL + %SubDL, where R is the advertised Complexity Factor and %SubDL is 10% profit allowed on the direct labor of the subconsultants.

The Fixed Fee cannot exceed 15% of the DL + OH.

5. The recipient shall not discriminate on the basis of race, color, national origin or sex in the award and performance of any US DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of US DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by US DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of this AGREEMENT. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C 3801 et seq.).

III. IT IS MUTUALLY AGREED.

1. To maintain, for a minimum of 3 years after the completion of the contract, adequate books, records and supporting documents to verify the amount, recipients and uses of all disbursements of funds passing in conjunction with the contract; the contract and all books, records and supporting documents related to the contract shall be available for review and audit by the Auditor General, and the DEPARTMENT; the Federal Highways Administration (FHWA) or any authorized representative of the federal government, and to provide full access to all relevant materials. Failure to maintain the books, records and supporting documents required by this section shall establish a presumption in favor of the DEPARTMENT for the recovery of any funds paid by the DEPARTMENT under the contract for which adequate books, records and supporting documentation are not available to support their purported disbursement.
2. That the ENGINEER shall be responsible for any all damages to property or persons out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and save harmless the LPA, the DEPARTMENT, and their officers, agents and employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting therefrom. These indemnities shall not be limited by the listing of any insurance policy.
The LPA will notify the ENGINEER of any error or omission believed by the LPA to be caused by the negligence of the ENGINEER as soon as practicable after the discovery. The LPA reserves the right to take immediate action to remedy any error or omission if notification is not successful; if the ENGINEER fails to reply to a notification; or if the conditions created by the error or omission are in need of urgent correction to avoid accumulation of additional construction costs or damages to property and reasonable notice is not practicable.
3. This AGREEMENT may be terminated by the LPA upon giving notice in writing to the ENGINEER at the ENGINEER's last known post office address. Upon such termination, the ENGINEER shall cause to be delivered to the LPA all drawings, plats, surveys, reports, permits, agreements, soils and foundation analysis, provisions, specifications, partial and completed estimates and data, if any from soil survey and subsurface investigation with the understanding that all such materials becomes the property of the LPA. The LPA will be responsible for reimbursement of all eligible expenses incurred under the terms of this AGREEMENT up to the date of the written notice of termination.

4. In the event that the DEPARTMENT stops payment to the LPA, the LPA may suspend work on the project. If this agreement is suspended by the LPA for more than thirty (30) calendar days, consecutive or in aggregate, over the term of this AGREEMENT, the ENGINEER shall be compensated for all services performed and reimbursable expenses incurred prior to receipt of notice of suspension. In addition, upon the resumption of services the LPA shall compensate the ENGINEER, for expenses incurred as a result of the suspension and resumption of its services, and the ENGINEER's schedule and fees for the remainder of the project shall be equitably adjusted.
5. This AGREEMENT shall continue as an open contract and the obligations created herein shall remain in full force and effect until the completion of construction of any phase of professional services performed by others based upon the service provided herein. All obligations of the ENGINEER accepted under this AGREEMENT shall cease if construction or subsequent professional services are not commenced within 5 years after final payment by the LPA.
6. That the ENGINEER shall be responsible for any and all damages to property or persons arising out of an error, omission and/or negligent act in the prosecution of the ENGINEER's work and shall indemnify and have harmless the LPA, the DEPARTMENT, and their officers, employees from all suits, claims, actions or damages liabilities, costs or damages of any nature whatsoever resulting therefrom. These indemnities shall not be limited by the listing of any insurance policy.
7. The ENGINEER and LPA certify that their respective firm or agency:
 - (a) has not employed or retained for commission, percentage, brokerage, contingent fee or other considerations, any firm or person (other than a bona fide employee working solely for the LPA or the ENGINEER) to solicit or secure this AGREEMENT,
 - (b) has not agreed, as an express or implied condition for obtaining this AGREEMENT, to employ or retain the services of any firm or person in connection with carrying out the AGREEMENT or
 - (c) has not paid, or agreed to pay any firm, organization or person (other than a bona fide employee working solely for the LPA or the ENGINEER) any fee, contribution, donation or consideration of any kind for, or in connection with, procuring or carrying out the AGREEMENT.
 - (d) that neither the ENGINEER nor the LPA is/are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any Federal department or agency,
 - (e) has not within a three-year period preceding the AGREEMENT been convicted of or had a civil judgment rendered against them for commission of fraud or criminal offense in connection with obtaining, attempting to obtain or performing a public (Federal, State or local) transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property.
 - (f) are not presently indicated for or otherwise criminally or civilly charged by a government entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph and
 - (g) has not within a three-year period preceding this AGREEMENT had one or more public transaction (Federal, State, local) terminated for cause or default.

Where the ENGINEER or LPA is unable to certify to any of the above statements in this clarification, an explanation shall be attached to this AGREEMENT.

8. In the event of delays due to unforeseeable causes beyond the control of and without fault or negligence of the ENGINEER no claim for damages shall be made by either party. Termination of the AGREEMENT or adjustment of the fee for the remaining services may be requested by either party if the overall delay from the unforeseen causes prevents completion of the work within six months after the specified completion date. Examples of unforeseen causes included but are not limited to: acts of God or a public enemy; acts of the LPA, DEPARTMENT, or other approving party not resulting from the ENGINEER's unacceptable services; fire; strikes; and floods.

If delays occur due to any cause preventing compliance with the PROJECT SCHEDULE, the ENGINEER shall apply in writing to the LPA for an extension of time. If approved, the PROJECT SCHEDULE shall be revised accordingly.

9. This certification is required by the Drug Free Workplace Act (30 ILCS 580). The Drug Free Workplace Act requires that no grantee or contractor shall receive a grant or be considered for the purpose of being awarded a contract for the procurement of any property or service from the DEPARTMENT unless that grantee or contractor will provide a drug free workplace. False certification or violation of the certification may result in sanctions including, but not limited to suspension of contract on grant payments, termination of a contract or grant and debarment of the contracting or grant opportunities with the DEPARTMENT for at least one (1) year but not more than (5) years.

For the purpose of this certification, "grantee" or "Contractor" means a corporation, partnership or an entity with twenty-five (25) or more employees at the time of issuing the grant or a department, division or other unit thereof, directly responsible for the specific performance under contract or grant of \$5,000 or more from the DEPARTMENT, as defined the Act.

The contractor/grantee certifies and agrees that it will provide a drug free workplace by:

- (a) Publishing a statement:
 - (1) Notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance, including cannabis, is prohibited in the grantee's or contractor's workplace.
 - (2) Specifying actions that will be taken against employees for violations of such prohibition.
 - (3) Notifying the employee that, as a condition of employment on such contract or grant, the employee will:
 - (a) abide by the terms of the statement; and
 - (b) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than (5) days after such conviction.
- (b) Establishing a drug free awareness program to inform employees about:
 - (1) The dangers of drug abuse in the workplace;

- (2) The grantee's or contractor's policy to maintain a drug free workplace;
- (3) Any available drug counseling, rehabilitation and employee assistance program; and
- (4) The penalties that may be imposed upon an employee for drug violations.
- (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
- (d) Notifying the contracting, or granting agency within ten (10) days after receiving notice under part (b) of paragraph (3) of subsection (a) above from an employee or otherwise, receiving actual notice of such conviction.
- (e) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program.
- (f) Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.

Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act, the ENGINEER, LPA and the Department agree to meet the PROJECT SCHEDULE outlined in EXHIBIT B. Time is of the essence on this project and the ENGINEER's ability to meet the PROJECT SCHEDULE will be a factor in the LPA selecting the ENGINEER for future projects. The ENGINEER will submit progress reports with each invoice showing work that was completed during the last reporting period and work they expect to accomplish during the following period.

10. Due to the physical location of the project, certain work classifications may be subject to the Prevailing Wage Act (820 ILCS 130/0.01 et seq.).

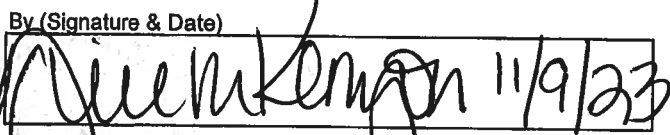
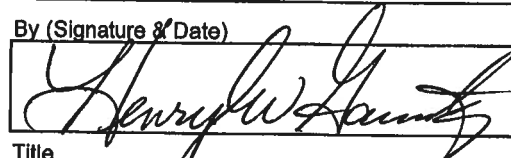
11. For Preliminary Engineering Contracts:

- (a) That tracing, plans, specifications, estimates, maps and other documents prepared by the ENGINEER in accordance with this AGREEMENT shall be delivered to and become the property of the LPA and that basic survey notes, sketches, charts, CADD files, related electronic files, and other data prepared or obtained in accordance with this AGREEMENT shall be made available, upon request to the LPA or to the DEPARTMENT, without restriction or limitation as to their use. Any re-use of these documents without the ENGINEER involvement shall be at the LPA's sole risk and will not impose liability upon the ENGINEER.
- (b) That all reports, plans, estimates and special provisions furnished by the ENGINEER shall conform to the current Standard Specifications for Road and Bridge Construction, Bureau of Local Roads and Streets Manual or any other applicable requirements of the DEPARTMENT, it being understood that all such furnished documents shall be approved by the LPA and the DEPARTMENT before final acceptance. During the performance of the engineering services herein provided for, the ENGINEER shall be responsible for any loss or damage to the documents herein enumerated while they are in the ENGINEER's possession and any such loss or damage shall be restored at the ENGINEER's expense.

AGREEMENT SUMMARY		
Prime Consultant (Firm) Name	TIN/FEIN/SS Number	Agreement Amount
WHKS & Co	42-0943938	\$100,250.22
Subconsultants	TIN/FEIN/SS Number	Agreement Amount
Subconsultant Total		
Prime Consultant Total		\$100,250.22
Total for all work		\$100,250.22

AGREEMENT SIGNATURES


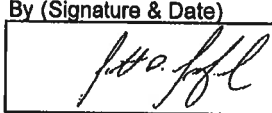
Executed by the LPA:

Local Public Agency Type		Local Public Agency	
Attest:	The <input type="text" value="County"/>	of	<input type="text" value="Marshall County"/>
By (Signature & Date)		By (Signature & Date)	
 11/9/23		 11-9-23	
Local Public Agency		Local Public Agency Type	
<input type="text" value="Marshall County"/>	<input type="text" value="County"/>	Clerk	
		Title	
		<input type="text" value="COUNTY Chairman"/>	

(SEAL)

Executed by the ENGINEER:

Prime Consultant (Firm) Name	
Attest:	<input type="text" value="WHKS & Co"/>

By (Signature & Date)	By (Signature & Date)
 Digitally signed by Cory Chamberlain Date: 2023.10.11 09:17:43 -05'00'	 Digitally signed by Scott D. Sanford Date: 2023.10.11 08:02:39 -05'00'
Title	Title
<input type="text" value="Vice President"/>	<input type="text" value="Vice President"/>

APPROVED:

Regional Engineer, Department of Transportation (Signature & Date)

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Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Marshall County	WHKS & Co	Marshall	23-09120-00-BR

**EXHIBIT A
SCOPE OF SERVICES**

To perform or be responsible for the performance of the engineering services for the LPA, in connection with the PROJECT herein before described and enumerated below

- a. Perform detailed surveys as are necessary for the preparation of detailed roadway plans.
- b. Perform stream and flood plain hydraulic surveys and gather high water data, and flood histories for the preparation of detailed bridge plans.
- c. Prepare Army Corps of Engineers Permit, Department of Natural Resources-Office of Water Resources Permit, Bridge waterway sketch, and/or Channel Change sketch.
- d. Prepare Preliminary Bridge Design and Hydraulic Report and high water effects on roadway overflows and bridge approaches.
- e. Prepare Scour Critical Coding report.
- f. Provide necessary environmental documents in accordance with the procedures adopted by IDOT's Bureau of Local Roads and Streets. These documents are limited to the Environmental Survey Request, Storm Water Pollution Prevention Plan and Asbestos Determination form. Section 106 Report not included.
- g. Complete general and detailed plans, special provisions and estimates of cost and furnish the CLIENT with Electronic (PDF) copies of the plans, special provisions and estimates. Copies of any or all documents, if required, shall be furnished to the CLIENT by WHKS at actual cost for reproduction.
- h. Prepare and furnish the CLIENT with survey and drafts in quadruplicate of all necessary right-of-way dedications and construction easements including prints of the corresponding plats and staking as required. Assume 3 plats.
- i. Prepare superstructure rating for new structure in AAHSTOware software program and complete BLR SLRS Form.
- j. Assist the CLIENT in the tabulation and interpretation of the Contractor's proposals.

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Marshall County	WHKS & Co	Marshall	23-09120-00-BR
EXHIBIT B PROJECT SCHEDULE			
Complete PH1 / PH 2 design activities for a May 2024 State letting.			

Local Public Agency	Prime Consultant (Firm) Name	County	Section Number
Marshall County	WHKS & Co	Marshall	23-09120-00-BR

Exhibit C
Qualification Based Selection (QBS) Checklist

The LPA must complete Exhibit D. If the value meets or will exceed the threshold in 50 ILCS 510, QBS requirements must be followed. Under the threshold, QBS requirements do not apply. The threshold is adjusted annually. If the value is under the threshold with federal funds being used, federal small purchase guidelines must be followed.

☐ Form Not Applicable (engineering services less than the threshold)

Items 1-13 are required when using federal funds and QBS process is applicable. Items 14-16 are required when using State funds and the QBS process is applicable.

		No	Yes								
1	Do the written QBS policies and procedures discuss the initial administration (procurement, management and administration) concerning engineering and design related consultant services?	<input type="checkbox"/>	<input type="checkbox"/>								
2	Do the written QBS policies and procedures follow the requirements as outlined in Section 5-5 and specifically Section 5-5.06 (e) of the BLRS Manual?	<input type="checkbox"/>	<input type="checkbox"/>								
3	Was the scope of services for this project clearly defined?	<input type="checkbox"/>	<input type="checkbox"/>								
4	Was public notice given for this project?	<input type="checkbox"/>	<input type="checkbox"/>								
5	Do the written QBS policies and procedures cover conflicts of interest?	<input type="checkbox"/>	<input type="checkbox"/>								
6	Do the written QBS policies and procedures use covered methods of verification for suspension and debarment?	<input type="checkbox"/>	<input type="checkbox"/>								
7	Do the written QBS policies and procedures discuss the methods of evaluation?	<input type="checkbox"/>	<input type="checkbox"/>								
	Project Criteria	Weighting									
8	Do the written QBS policies and procedures discuss the method of selection?	<input type="checkbox"/>	<input type="checkbox"/>								
Selection committee (titles) for this project											
<table border="1"> <tr> <td align="center" colspan="2">Top three consultants ranked for this project in order</td> </tr> <tr> <td>1</td> <td></td> </tr> <tr> <td>2</td> <td></td> </tr> <tr> <td>3</td> <td></td> </tr> </table>				Top three consultants ranked for this project in order		1		2		3	
Top three consultants ranked for this project in order											
1											
2											
3											
9	Was an estimated cost of engineering for this project developed in-house prior to contract negotiation?	<input type="checkbox"/>	<input type="checkbox"/>								
10	Were negotiations for this project performed in accordance with federal requirements.	<input type="checkbox"/>	<input type="checkbox"/>								
11	Were acceptable costs for this project verified?	<input type="checkbox"/>	<input type="checkbox"/>								
12	Do the written QBS policies and procedures cover review and approving for payment, before forwarding the request for reimbursement to IDOT for further review and approval?	<input type="checkbox"/>	<input type="checkbox"/>								
13	Do the written QBS policies and procedures cover ongoing and finalizing administration of the project (monitoring, evaluation, closing-out a contract, records retention, responsibility, remedies to violations or breaches to a contract, and resolution of disputes)?	<input type="checkbox"/>	<input type="checkbox"/>								
14	QBS according to State requirements used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>								
15	Existing relationship used in lieu of QBS process?	<input type="checkbox"/>	<input checked="" type="checkbox"/>								
16	LPA is a home rule community (Exempt from QBS).	<input checked="" type="checkbox"/>	<input type="checkbox"/>								

Instructions for BLR 05530 - Page 1 of 3
Form instructions are not to be submitted with the form

This form shall be used for a Local Public Agency (LPA) to enter into an agreement with an Engineering firm in connection with a project funded with Federal, State, and/or Motor Fuel Tax (MFT) funds. Based on the selection of type of engineering agreement and funding type, the form will change. For more information refer to the Bureau of Local Roads and Streets Manual (BLRS) Chapter 5. For signature requirements refer to Chapter 2, Section 3.05(b) of the BLRS manual.

This form can also be used for structure inspections.

When filling out this form electronically, once a field is initially completed, fields requiring the same information will be auto-populated.

Using Federal Funds?	The user must select yes or no. Based on the selection, a drop-down menu will appear. The language of the form changes based on the selection. Selecting yes indicates federal funds will be used to fund all or a portion of the engineering for this phase of this project. Selecting no indicates no federal funds will be used to fund any engineering for this phase of the project.
Agreement For	If yes was selected for using Federal Funds, select Federal PE or Federal CE from the drop-down. If no was selected for using Federal Funds, select MFT PE, MFT CE, or MFT PE-CE.
Agreement Type Number	From the drop down, select the type of agreement, types to choose from are: Original or Supplemental If the agreement is for a supplemental, insert the number of the supplemental using number 1 for the first supplemental, and increase the numbering as the supplementals increase.
Local Public Agency	
Local Public Agency	Insert the name of the LPA. This field value is used to populate the LPA name in the Agreement Signatures and the Exhibit pages.
County	Insert the name of the county in which the LPA is located.
Section Number	Insert the section number applied to this project without dashes, dashes are automatically inserted.
Job Number	Insert the job number assigned for the project, if applicable.
Project Number	Insert the project number assigned for this project, if applicable.
Contact Name	Insert the name of the LPA contact for this project.
Phone Number	Insert the phone for the LPA contact listed to the left without dashes.
Email	Insert the email for the LPA contact listed to the left.
Section Provisions	
Location	Use the add location button to add additional locations, if needed, for up to a total of five locations. If there are more than five locations, use various.
Local Street/Road Name	Insert the local street/road name.
Key Route	Insert the key route of the street/road listed to the left, if applicable.
Length	Insert the length in miles as it pertains to the location listed to the left. For a structure insert 0.01.
Structure Number	Insert the existing structure number(s) for this project.
Location Termini	Insert the beginning and ending termini as it pertains to this location for this project.
Add Location	Use this button to add additional location.
Remove Location	Use this button to remove a location added in error. Please note that at least one location is required.
Project Description	Insert a description of the work to be accomplished by this project.
Engineering Funding	Check all boxes that apply, if type other is checked, insert the type of other funding in the box following "other." The form will change based on the box(es) checked.
Anticipated Construction Funding	Check all boxes that apply, if type other is checked, insert the type of other funding in the box following "other."

Instructions for BLR 05530 - Page 2 of 3

Agreement For

Select the check box for the type of engineering the agreement is for. Phase I for Preliminary Engineering, Phase II for Design Engineering, Phase III for Construction Engineering. When Federal Funds are used, Phase I and Phase II can be selected when the agreement is for Federal PE. When Federal CE is selected, only Phase III can be selected. For MFT, the Phases can be selected based on the original selection at the top of the form for the agreement type.

Consultant

Primary Consultant (Firm) Name

Insert the name of the primary consultant firm that will be executing this agreement. This field value is used to populate the consultant name in the Agreement Summary, Agreement Signatures and the Exhibit pages.

Contact Name

Insert the name of the contact for the firm listed to the left.

Phone Number

Insert the phone number for the contact listed to the left, without dashes.

Email

Insert the email of the contact listed to the left.

Address

Insert the address of the firm listed to the left.

City

Insert the city of the firm listed to the left.

State

Insert the state of the firm listed to the left.

Zip Code

Insert the zip code of the firm listed to the left.

Agreement Exhibits

Check all that apply, for boxes checked that do not have a description, insert the name of the exhibit.

Exhibit A

Insert the scope of services covered by this agreement/ project. This exhibit is required.

Exhibit B

Insert the project schedule that applies to this agreement/ project. This exhibit is required.

Exhibit C

Qualification Based Selection (QBS) Checklist process must be followed when the value of engineering will meet and/or exceed the threshold in 50 ILCS 510. If the process does not apply, check the form not applicable checkbox on the top of the exhibit page. If the process applies and using federal funds, complete items 1 through 13. If the process applies and using state funds, complete items 14 through 16.

Exhibit D

Cost Plus Estimate of Consultant Services (CECS) Worksheet (BLR 05513 or BLR 05514). If the method of compensation was checked (under LPA Agrees item 4) as Cost Plus Fixed Fee (Anniversary Raise or Fixed Raise) in the agreement, then this exhibit is required and the correct BLR form: BLR 05514 for Fixed Raise or BLR 05513 for Anniversary Raise.

Exhibit

Use the remaining boxes and lines to add additional exhibits as needed.

LPA Agrees

Method of Compensation

Select the method of compensation for this agreement by checking the applicable box.

If Percent is checked (this is only available when agreement is for MFT funds.), insert in the box the applicable percentage.

If Lump Sum is checked, complete the box after lump sum showing the lump sum compensation amount. For agreements funded with federal funds the lump sum shall be determined by using the Cost Plus Fixed Fee formula.

If Specific Rate is checked, insert the specific rate in the box. The specific rate cannot exceed \$150,000. For a federal project this is limited to testing services only.

If Cost Plus Fixed Fee is checked, select the type of raise the agreement will use: Anniversary or Fixed. If this method is selected, BLR 05513 or BLR 05514 must be included in the exhibits.

Instructions for BLR 05530 - Page 3 of 3

Agreement Summary

Prime Consultant (Firm) Name	Field populated from the Prime Consultant (Firm) Name entered on the first pages of the agreement.
TIN/FEIN/SS	Insert the Prime Consultant's Taxpayer Identification Number (TIN), Federal Employer Identification Number (FEIN) or Social Security Number (SS).
Agreement Amount	Insert the maximum agreement amount.
Subconsultant(s)	As applicable, insert the name of each subconsultant engaged in this agreement/ project. Subconsultants are defined as any firm that is required to complete a Cost Estimate of Consultant Services (CECS) Worksheet.
TIN/FEIN/SS	Insert the Subconsultant's Taxpayer Identification Number (TIN), Federal Employer Identification Number (FEIN) or Social Security Number (SS).
Agreement Amount	Insert the maximum agreement amount for the subconsultant listed to the left.
Add Subconsultant	If additional lines are needed for additional subconsultants, insert lines as needed and complete the required information.
Subconsultant Total	This field is automatically completed, it is the sum of all the agreement amounts for all subconsultants listed.
Prime Total	This field is automatically completed, it is the amount of the prime consultant fee as listed above.
Total for All	This field is automatically completed, it is the sum of the subconsultant and the prime total.

Agreement Signatures

Executed by LPA

Local Public Agency Type	From the drop down, select the type of LPA. Types to choose from are: City, County, Town, or Village.
Local Public Agency	Field populated from the Local Public Agency entered on the first pages of the agreement.
By	The LPA clerk will sign here.
By	The LPA official authorized to sign this agreement will sign and date here.
Seal of LPA	The LPA will seal the document here.
Title	Insert the title of the LPA official who signed above.

Executed by the Engineer

Prime Consultant (Firm) Name	Field populated from the Prime Consultant (Firm) Name entered on first pages of the agreement.
By	The person(s) authorized to sign this agreement from the engineering firm will sign and date here.
Title	Insert the title of the person signing above.

For Agreement using MFT or State Funds only:

Regional Engineer	Upon approval the Regional Engineer will sign and date here.
-------------------	--

A minimum of four (4) signed originals must be submitted to the Regional Engineer's District office.

Following approval, distribution will be as follows:

- Central Office (only for Projects using State and/or Federal Funds)
- District
- Engineer (Municipal, Consultant or County)
- Local Public Agency Clerk



**Illinois Department
of Transportation**

Direct Costs Check Sheet

Prime Consultant Name	PTB Number	State Job Number(s)
WHKS & Co	NA	NA

☒ Prime ☐ Supplement Date 09/15/23

Consultant

WHKS & Co

Item	Allowable	Utilize W.O. Only	Quantity J.S. Only	Contract Rate	Total
Per Diem (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	<input type="checkbox"/>	8	\$44.00	\$352.00
Lodging (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual cost (Up to state rate maximum)	<input type="checkbox"/>	3	\$75.00	\$225.00
Lodging Taxes and Fees (per GOVERNOR'S TRAVEL CONTROL BOARD)	Actual cost	<input type="checkbox"/>	3	\$7.50	\$22.50
Air Fare	Coach rate, actual cost, requires minimum two weeks' notice, with prior IDOT approval	<input type="checkbox"/>			
Vehicle Mileage (per GOVERNOR'S TRAVEL CONTROL BOARD)	Up to state rate maximum	<input type="checkbox"/>	800	\$0.66	\$524.00
Vehicle Owned or Leased	\$32.50/half day (4 hours or less) or \$65/full day	<input type="checkbox"/>			
Vehicle Rental	Actual cost (Up to \$55/day)	<input type="checkbox"/>			
Tolls	Actual cost	<input type="checkbox"/>			
Parking	Actual cost	<input type="checkbox"/>			
Overtime	Premium portion (Submit supporting documentation)	<input type="checkbox"/>			
Shift Differential	Actual cost (Based on firm's policy)	<input type="checkbox"/>			
Overnight Delivery/Postage/Courier Service	Actual cost (Submit supporting documentation)	<input type="checkbox"/>	4	\$25.00	\$100.00
Copies of Deliverables/MyIars (In-house)	Actual cost (Submit supporting documentation)	<input type="checkbox"/>	155	\$0.10	\$15.50
Copies of Deliverables/MyIars (Outside)	Actual cost (Submit supporting documentation)	<input type="checkbox"/>	4	\$35.00	\$140.00
Project Specific Insurance	Actual cost	<input type="checkbox"/>			
Monuments (Permanent)	Actual cost	<input type="checkbox"/>			
Photo Processing	Actual cost	<input type="checkbox"/>			
2-Way Radio (Survey or Phase III Only)	Actual cost	<input type="checkbox"/>			
Telephone Usage (Traffic System Monitoring Only)	Actual cost	<input type="checkbox"/>			
CADD	Actual cost (Max \$15/hour)	<input type="checkbox"/>			



EXHIBIT E

engineers • planners • land surveyors

Estimation Estimates Summary	
WBKS Labor Fee (Est)	\$ 94,097.40
WBKS Direct Cost (Est)	\$ 1,378.00
Professional Fee (WBKS)	\$ 0.00
Soil Boring (Subcontract)	\$ 0.00
Contingency	\$ 4,773.82
Total Engineering Estimate	\$ 100,249.22

% of Estimated Construction Cost	
Est. Construction Cost	\$ 824,000.00
% Contingency	10.3%
% Cont. of Contingency	10.8%

3883 S. 4th Street, Suite A
Springfield, IL 62793
Phone: (317) 433-9949
Fax: (317) 433-9448

Project Data

Client: Marshall Co
Route: TR 17 / Stagecoach Road
Section No: 23-09120-00-AR
Structure #: 002-4437 (E-44) 032-4464 (Prop)

Scope: Remove and replace single-span truss over deck beam bridge. Resurface roadway/shoulders as needed. Conduct bridge inspection, perform field survey, coordinate and boring, conduct hydraulic analysis of proposed structure and prepare reports and permits as needed to gain design approval from District. Prepare final plans, specifications, and contract documents. Obtain necessary permits for land acquisition (Assume 3 plan). Assist the County with minor bidding and construction questions as necessary. Utilize 3R guidelines. Plan for late 2024 letting.

Item Description	Item	Unit	Quantity	Unit Price	Subtotal	Structural	Transportation	Hydraulic	Hydrologic	Geotechnical	Environmental	Other	Subtotal	Engineering	Survey	Admin
001: Project Administration																
01 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
02 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
03 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
04 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
05 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
06 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
07 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
08 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
09 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
10 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
11 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
12 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
13 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
14 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
15 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
16 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
17 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
18 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
19 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
20 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
21 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
22 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
23 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
24 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
25 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
26 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
27 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
28 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
29 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
30 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
31 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
32 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
33 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
34 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
35 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
36 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
37 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
38 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
39 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
40 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
41 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
42 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
43 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
44 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
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46 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
47 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
48 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
49 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
50 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
51 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
52 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
53 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
54 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
55 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
56 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
57 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
58 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
59 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
60 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
61 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
62 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
63 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
64 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
65 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
66 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
67 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
68 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
69 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
70 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
71 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
72 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
73 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
74 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
75 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
76 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
77 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
78 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
79 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
80 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
81 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
82 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
83 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
84 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
85 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
86 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
87 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
88 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
89 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
90 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
91 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
92 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
93 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
94 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
95 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
96 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
97 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
98 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
99 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
100 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
101 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
102 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
103 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
104 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
105 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
106 Project Admin and Management	18	8	5	6	2	2	2	2	2	2	2	2	2	2	2	2
107 Project Admin and Management	18	8														



EXHIBIT E

whks

engineers • planners • land developers

2844 S. 4th Street, Suite A
Springfield, IL 62763
Phone: (317) 443-9968
Fax: (317) 443-9444

Est. Construction Cost \$ 924,000.00 24' by 110' @ \$350/sf
% Contingency 10.3%
% Contingency 10.3%

WHKS Labor Fee (Est)
WHKS Labor Fee (Est)
Pricing Summary (Pricing)
Soil Borings (Subcontractor)
Contingency
Total Engineering Estimate

Project Data
Client: Marshall Co
Route: 1R 17 / Stegessch Road
Section No.: 23-09120-00-BR
Structure #: 062-437 (E-14) 032-4164 (Prop)

Scope: Remove and replace single-span structure on cleared lot with abutments with a new precast concrete bridge on hydraulic analysis. 21" PPC deck beam bridge. Retain existing roadway/shoulders as needed. Conduct bridge inspection, perform field survey, coordinate soil borings, conduct hydraulic analysis of proposed structure and prepare reports and permits as needed to gain design approval from District. Prepare final plans, and prepare construction documents. All work to be completed by 10/1/2024. From ROW survey, resection and proposed necessary plan for land acquisition (Assuming 3' buffer on each side with minor boring and construction questions as necessary, Ultra 3R guidelines. Plan for late 2024 being.

Item Description	Total Hours	Project Manager	Transportation Engineer	Structural Engineer	Structural Engineer	Hydraulic Engineer	Hydraulic Engineer	Engineering Technician	Survey Technician	Admin.
000 Roadway Design and Plan Preparation										
01 Project Survey Data and Create DTM	20	2	2					18		
02 Stationing and Right-of-Way Alignment	10		4					6		
03 Cover, Ground Notes, SDO, Slopes	0		2					4		
04 Typical Section, Entrance Details	6		2					4		
05 Erosion Control and Drainage Details	0		2					4		
06 Alignment, Ties, Benchmarks, Coordinates	18		2					16		
07 Stationing and Right-of-Way Alignment	14	2	2					10		
08 Cross-Section (Assume 1 Sheet)	14	2	2					10		
11 Miscellaneous Details	18		2					16		
12 Roadway Quantities/Schedules	10		2					8		
Subtotal	122	2	12	0	0	0	0	90	0	0
Labor Hours Subtotal	122									
Labor Costs Subtotal	\$ 14,355.00	\$ 403.00	\$ 2,292.00	\$ 1,874.00	\$ 658.00	\$ 0	\$ 0	\$ 9,480.00	\$ 0	\$ 0
007 Bridge Design and Plan Preparation										
01 Design (Ultra Span PPC Deck beam)	10	2		2				6		
02 Abut and Pier Design (if necessary)	14	2		4				8		
03 Pier Design	34	2		0				24		
04 Plan Detailing and Preparation	10			2				8		
05 General Plan and Elevation	12			2				10		
06 Miscellaneous Details (if necessary)	18			2				16		
07 Superstructure Details (2 sheets)	18			2				16		
08 Pier Details (2 sheets - if necessary)	24			2				22		
09 Alignment Details (2 sheets)	18			2				16		
10 Bridge Quantities	14			4				10		
Subtotal	192	8	0	18	44	22	0	167	0	0
Labor Hours Subtotal	192									
Labor Costs Subtotal	\$ 20,670.00	\$ 1,250.00	\$ 0	\$ 3,548.00	\$ 1,533.00	\$ 2,248.00	\$ 0	\$ 8,540.00	\$ 0	\$ 0
008 Final Plans, Specification and Estimates										
01 Special Provisions	10	2	4					4		
02 Estimate of Cost	0	2	2					2		
03 Estimate of Time	6	2	2					2		
04 Bid Document (State Let - Check Sheets)	12	2	2					8		
05 Pre-bid Plan Reviews (Address BOI comments)	12	2	3					7		
Subtotal	40	10	13	0	0	0	0	23	0	0
Labor Hours Subtotal	40									
Labor Costs Subtotal	\$ 6,063.00	\$ 2,015.00	\$ 1,815.50	\$ 0	\$ 0	\$ 0	\$ 0	\$ 1,213.50	\$ 0	\$ 0
009 Miscellaneous Building Other										
01 Field Check of Project	10		5					5		
02 ASHTO/OWS Bridge Model/SLR Form	2	2						0		
03 Evaluate Bids, Recommend Award (State Letting)	6	2						4		
04 Shop Drawing Review	4							4		
05 Plans 3 Involvement (address minor questions)	4							4		
Subtotal	30	4	5	0	0	0	0	18	0	0
Labor Hours Subtotal	30									
Labor Costs Subtotal	\$ 5,177.00	\$ 600.00	\$ 887.50	\$ 0	\$ 0	\$ 0	\$ 0	\$ 687.50	\$ 0	\$ 0
010 CC-0A										
01 Hydraulic CC-0A	8	8						0		
02 Hydraulic CC-0A	8	8						0		
03 Bridge CC-0A	8	8						0		
Subtotal	24	16	0	0	0	0	0	0	0	0
Labor Hours Subtotal	24									
Labor Costs Subtotal	\$ 4,712.00	\$ 3,224.00	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0	\$ 0
Total Labor Hours	462	40	37	51	48	22	50	191	30	0
Total Labor Costs	\$ 94,907.40	\$ 12,270.00	\$ 4,022.00	\$ 7,144.50	\$ 837.00	\$ 5,114.00	\$ 12,483.00	\$ 24,408.00	\$ 3,593.00	\$ 2,680.00
Total Labor Costs	\$ 94,907.40	\$ 12,270.00	\$ 4,022.00	\$ 7,144.50	\$ 837.00	\$ 5,114.00	\$ 12,483.00	\$ 24,408.00	\$ 3,593.00	\$ 2,680.00