



**PROFESSIONAL SERVICES AGREEMENT**

THIS AGREEMENT, by and between **Scott County, Iowa** hereinafter referred to as the "Client" and WHKS & Co., hereinafter referred to as "WHKS", is made as follows:

WHEREAS, the Client has a need for certain professional services relating to the project described as **Z30 Bridge Replacement**.

WHEREAS, WHKS proposes to furnish the professional services required by the Client for said project, NOW THEREFORE, the Client hereby agrees to retain and compensate WHKS to perform the professional services in accordance with the terms and conditions of this Agreement and the attached Standard Terms and Conditions.

**Scope of Services**

WHKS shall perform the following described services for the Client:

**Design, bid, and construction phase engineering services as described on the attached Scope of Services included in Exhibit A.**

**Basis of Compensation**

For the services described above, the Client shall remunerate WHKS as follows:


**Billed Hourly with a Not-to-Exceed Fee of \$102,000 including Expenses. External expenses include an administrative charge of 10 percent.**

Executed this \_\_\_\_\_ day of \_\_\_\_\_, 2023

**Scott County, Iowa**

By: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Title: \_\_\_\_\_

**WHKS & CO.**

By:   
Printed Name: Derek J. Thomas, P.E.  
Title: Vice President



## Exhibit A to Professional Services Agreement

### A. Project Description

This project involves performing preliminary and final design and limited bidding and construction support for the replacement of the Z30 (Wells Ferry Road) bridge over Spencer Creek near the NW corner of Section 6-T78N-R5E in Pleasant Valley Township (just south of I-80). The existing bridge is a 24' x 110' continuous concrete slab (CCS) built in 1964.

WHKS will perform preliminary design to include:

- Preparation and submittal of the IA DOT Concept Statement and supporting documentation
- Topographic survey
- Hydrology and hydraulics
- Permitting
- Preliminary plans

Field survey in accordance with Scott County's policies:

- Conventional survey will commence and end at two distinct GPS Control Monuments in Scott County's survey control network.
- For GPS survey, the survey base station must occupy one GPS Control Monument in Scott County's survey control network. At least one other distinct Scott County survey control network GPS monument must be occupied as a check.
- Control monuments used as a reference must be prominently noted in the digital submittal and the basis of bearing clearly identified.
- A minimum of two control points shall be set outside of the construction limits within sight of each other for use during staking.

Up to three structure types (i.e. CCS, reinforced concrete box (RBC), and pretensioned, prestressed concrete beam (PPCB)) will be analyzed in preliminary design with preference given to IA DOT standards. The proposed alignment and profile will match the existing.

Final structure type and size will be determined in conjunction with Scott County based on hydraulic performance, cost, and other relevant factors. Final Design and Plan production hours are based on a standard width single span PPCB bridge using standard IA DOT beams. Design is in accordance with IA DOT IMs for Local Systems Projects.

The existing bridge is in a superelevation transition tangent section adjacent to a horizontal curve. The proposed bridge will be straight, but may be superelevated. Roadway cross slopes, transitions, and superelevation will generally match and tie in to the existing without a design exception.

WHKS will perform final design to include:

- Substructure (pile) design for the bridge

- Development of final bridge plans necessary to supplement IA DOT standard plan sheets
- Roadway approach, guardrail design and grading, traffic control, and erosion control
- Final plans

Scott County has requested a Cultural Resources Evaluation through the Office of the State Archeologist at the University of Iowa. The County will also perform hazardous material inspection and testing.

Geotechnical Engineering services will be performed by a subcontractor to WHKS under this contract. Scott County will provide traffic control during Geotechnical field operations.

Construction is anticipated to be completed under full road closure. No additional right-of-way (ROW) is expected for construction.

Digital deliverables include:

- .pdf copies of all soil boring reports, hydraulic calculations, control points, cost estimates, plan submittals, and other necessary project related materials
- AutoCAD compatible design drawing files with access to create stakeout points within the drawing coordinate system
- Drawing files shall be compatible with machine grade control (GPS) during construction

WHKS will review contractor shop drawing submittals and RFIs and provide pile driving graphs (WEAP analysis). Final Design will evaluate the use of IA DOT ENR versus WEAP construction control for pile driving. Construction observation and administration will be provided by the Client.

The project will be let through the IA DOT in February 2024 and is based on a “major” project schedule as shown below. All submittals will be made to Scott County for review prior to other agencies. IA DOT submittals will be made through TPMS.

<b>Event</b>	<b>Submittal Date</b>
Concept Statement	2/21/23
Preliminary Plans	8/15/23
Check Plans	10/3/23
Final Plans, PDC, Cost Estimate	11/14/23

**B. Scope of Services Provided Under This Agreement:**

**1. Project Management and Meetings**

- Perform general project administrative duties including supervision and coordination of the project team, review of project costs and billings, prepare invoices using Consultant's standard forms, preparation of status reports, and general administrative activities.

- Hold kick-off meeting with Client to discuss the project and review the scope in conjunction with initial site visit.
- Advise the Client of the necessity of obtaining Special Engineering Services as described in Paragraph C., and act as the Client's representative in connection with any such services not actually performed by WHKS.
- Attend additional (virtual) meetings for the project as required, up to three (3) assumed (feasibility study, preliminary plan, and check plan stages).
- Prepare and submit project Concept Statement to Iowa DOT.

## **2. Topographic Survey and Research of Existing Conditions**

- Perform site topographical surveys to support new facilities, exclusive of boundary surveys for land and easement acquisition. Topographic survey to include hydraulic cross sections to be taken upstream and downstream of the crossing. Three cross sections are assumed.
- Develop project control and base map for the project.
- Locate the existing underground utilities as located by the Iowa One Call locate system.
- Collect, obtain and review relevant information from the Client.

## **3. Feasibility Study**

- Prepare a feasibility study for up to three bridge replacement options. The report will include the following:
  - Summary of existing conditions.
  - Recommendations of bridge replacement options and anticipated schedule.
  - Perform a preliminary hydraulic analysis.
  - An Engineer's Opinion of Probable Construction Costs.
- Provide electronic copies of the report.

## **4. Hydrologic and Hydraulic Analysis and Permitting**

- Perform hydrologic and hydraulic analysis to evaluate the proposed bridge alternative in accordance with local and state flood plain permit requirements.
  - Perform hydrologic analysis using USGS StreamStats for data collection.
  - Obtain Flood Insurance Study (FIS) HEC-RAS model from Client or FEMA
  - Conduct a site evaluation to verify base model, determine roughness coefficients, and water flow characteristics.
  - Update HEC-RAS model with the hydraulic survey information.
  - Input the proposed bridge and roadway profile into HEC-RAS. Review model runs and determine the potential new bridge's effect on flood elevations, the floodway, and insurable structures.
  - Analyze drainage area and hydrologic characteristics
  - Develop hydraulic model to analyze adequate bridge sizing, velocities, and backwater.
  - Determine the final bridge length sizing based on the results of the hydraulic analysis and meeting Iowa DNR requirements for freeboard and backwater.
  - Evaluate need for channel shaping, berm slope stabilization, and inlet/outlet erosion controls such as revetment.
  - Prepare hydraulic summary for alternative analysis and structure selection by the Client.

- Prepare and submit Joint Permit Application, including the bridge Type, Size, and Location (TS&L) drawing (preliminary plans developed in preliminary and final design phase), to Iowa DNR and U.S. Army Corps of Engineers.

#### **5. Preliminary and Final Design**

- Prepare preliminary and final plans and specifications to show the character and scope of work to be performed by contractors on the Project. Plans will follow Iowa DOT standards.
- Geotechnical Engineering services will be performed by a subcontractor to WHKS under this contract. Geotechnical services to include two (2) fifty-foot-deep soil borings and geotechnical evaluation.
- Prepare opinion of probable construction cost on completed plans and specifications.
- Furnish electronic signed copies of the plans, specifications, and other contract documents as required to the Client.
- Answer contractor's questions during the bidding phase.
- Prepare addendums to the contract documents prior to bid letting, if necessary.
- A Storm Water Pollution Prevention Plan (SWPPP) will be prepared as needed.

#### **6. Construction Administration**

- Review shop drawings and calculations.
- Respond to construction RFIs.
- Perform wave equation (WEAP) analysis for pile driving.

### **C. Special Engineering Services:**

Special Engineering Services are those services not listed above, but which may be required or advisable to accomplish the Project. Special Engineering Services shall be performed when authorized by the Client for additional fees, to be determined at the time authorized.

Special Engineering Services include:

1. Land surveying and platting
2. Easement research, plats or descriptions
3. Negotiation for easements or land acquisition
4. Special assessment assistance
5. Quality control testing and construction materials testing
6. Permits other than those identified above
7. Funding assistance, including grant and/or loan applications
8. Wetland Delineations or mitigation plans
9. Cultural resource survey or other studies or documentation that may be required by regulatory agencies that are not specifically listed in the scope of services
10. National Environmental Policy Act (NEPA) compliance, including historical and archeological investigations
11. Bridge aesthetics
12. Attendance at additional meetings (other than those listed above)
13. Construction phase engineering services, including construction administration, staking, construction observation, preparation of record drawings and project close-out services

## STANDARD TERMS AND CONDITIONS FOR PUBLIC SECTOR PROJECTS

### **1. Scope of Services**

Client and WHKS have agreed to a list of services WHKS will provide to Client as listed on the Professional Services Agreement Form.

### **2. Governing Law**

The laws of the State of Iowa will govern this Agreement, its interpretation and performance. Any litigation arising in any way from this Agreement shall be brought in the courts of that State.

### **3. Standard of Care**

Services provided by WHKS under this Agreement will be performed in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing under similar circumstances and locality.

### **4. Integration**

This Agreement comprises the final and complete agreement between Client and WHKS. It supersedes all prior communications, representations, or agreements, whether oral or written, relating to the subject matter of this Agreement. Execution of this Agreement signifies that each party has read the document thoroughly. Amendments to this Agreement shall not be binding unless made in writing and signed by both Client and WHKS.

### **5. Guarantees and Warranties**

WHKS shall not be required to sign any documents, no matter by whom requested, that would result in WHKS having to guarantee or warrant the existence of conditions whose existence WHKS cannot ascertain. Client also agrees not to

make resolution of any dispute with WHKS or payment of any amount due to WHKS in any way contingent upon WHKS signing any such guarantee or warranty.

### **6. Indemnification**

WHKS agrees, to the extent permitted by law, to indemnify and hold Client harmless from any damage, liability or cost (including reasonable attorney's fees and costs of defense) to the extent caused by WHKS' negligent acts, errors or omissions in the performance of professional services under this Agreement and those of its subconsultants or anyone for whom WHKS is legally liable.

Client agrees, to the extent permitted by law, to indemnify and hold WHKS harmless from any damage, liability or cost (including reasonable attorneys' fees and costs of defense) to the extent caused by Client's negligent acts, errors or omissions and those of Client's contractors, subcontractors or consultants or anyone for whom Client is legally liable.

Neither WHKS nor Client shall be obligated to indemnify the other party in any manner whatsoever for the other party's own negligence.

### **7. Billing and Payment Provisions**

Invoices shall be submitted by WHKS monthly and are due upon presentation and shall be considered PAST DUE if not paid within thirty (30) calendar days of the invoice date.

If payment is not received by WHKS within thirty (30) calendar days of the invoice date, Client shall pay as interest an additional charge of one

and one-quarter percent (1.25%) of the PAST DUE amount per month. Payment thereafter shall first be applied to accrued interest and then to the unpaid principal.

If Client fails to make payments within sixty (60) days from the date of an invoice or otherwise is in breach of this Agreement, WHKS may, at its option, suspend performance of services upon five (5) calendar days' notice to Client. WHKS shall have no liability whatsoever to Client for any costs or damages as a result of such suspension caused by any breach of this Agreement by Client. If Client fails to make payment to WHKS in accordance with the payment terms herein, this shall constitute a material breach of this Agreement and shall be cause for termination by WHKS.

In the event legal action is necessary to enforce the payment provisions of this Agreement, WHKS shall be entitled to collect from Client any judgment or settlement sums due, reasonable attorneys' fees, court costs and expenses incurred by WHKS in connection therewith and, in addition, the reasonable value of WHKS personnel time and expenses spent in connection with such collection action, computed at WHKS current fee schedule and expense policies.

Payment of invoices is in no case subject to unilateral discounting or set-offs by Client, and payment is due regardless of suspension or termination of this Agreement by either party.

### **8. Ownership of Records**

All reports, plans, specifications, field data and notes and other

documents, including all documents on electronic media, prepared by WHKS as instruments of service shall remain the property of WHKS.

Client shall be permitted to retain copies, including reproducible copies, of the plans and specifications for information and reference in connection with Client's use of the completed project. The plans and specifications shall not be used by Client or by others on other similar projects except by agreement in writing by WHKS.

#### **9. Delivery of Electronic Files**

In accepting and utilizing any drawings, reports and data on any form of electronic media generated and provided by WHKS, Client covenants and agrees that all such electronic files are instruments of service of WHKS, who shall be deemed the author, and who shall retain all rights under common and statutory laws, and other rights, including copyrights. Client is aware that differences may exist between the electronic files delivered and the respective construction documents due to addenda, change orders or other revisions. In the event of a conflict between the signed construction documents prepared by WHKS and electronic files, the signed construction documents shall govern.

Client and WHKS agree that the electronic files prepared by WHKS shall conform to the current CADD software in use by WHKS or to other mutually agreeable CADD specifications defined in the Agreement. Any changes to the CADD specifications by either Client or WHKS are subject to review and acceptance by the other party. Additional efforts by WHKS made necessary by a change to the CADD specifications or other software shall be compensated for as Additional Services.

The electronic files provided by WHKS to Client are submitted for an acceptance period of 60 days. Any defects Client discovers during this period will be reported to WHKS and will be corrected as part of the Scope

of Services. Correction of defects detected and reported after the acceptance period will be compensated for as Additional Services.

Client agrees not to reuse the electronic files, in whole or in part, for any purpose or project other than the project that is the subject of this Agreement. Client agrees not to transfer the electronic files to others without the prior written consent of WHKS, except as required by law. In addition, Client agrees, to the extent permitted by law, to indemnify and hold WHKS harmless from any damage, liability or cost, including reasonable attorney's fees and costs of defense, arising from any changes made by anyone other than WHKS or from any reuse of the electronic files without the prior written consent of WHKS.

Under no circumstance shall delivery of the electronic files for use by Client be deemed a sale by WHKS and WHKS makes no warranties, either express or implied, of merchantability and fitness for any particular purpose. In no event shall WHKS be liable for any loss of profit or any consequential damages.

#### **10. Changed Conditions**

Client shall rely on the judgment of WHKS as to the continued adequacy of this agreement in light of occurrences or discoveries that were not originally contemplated by or known to WHKS. Should WHKS call for contract renegotiation, WHKS shall identify the changed conditions necessitating renegotiation and WHKS and Client shall promptly and in good faith enter into renegotiation of this Agreement. If terms cannot be agreed to, the parties agree that either party has the absolute right to terminate this Agreement.

#### **11. Permits and Approvals**

WHKS shall assist Client in applying for those permits and approvals typically required by law for projects similar to the one for which WHKS services are being engaged. This assistance consists of completing

and submitting forms as to the results of certain work included in the Scope of Services.

#### **12. Suspension of Services**

If the project is suspended for more than thirty (30) calendar days in the aggregate, WHKS shall be compensated for services performed and charges incurred prior to receipt of notice to suspend and, upon resumption, an equitable adjustment in fees to accommodate the resulting demobilization and remobilization costs. In addition, there shall be an equitable adjustment in the project schedule based on the delay caused by the suspension. If the project is suspended for more than ninety (90) calendar days in the aggregate, WHKS may, at its option, terminate this Agreement upon giving notice in writing to Client.

#### **13. Termination**

Either Client or WHKS may terminate this Agreement at any time with or without cause upon giving the other party seven (7) calendar days prior written notice. Client shall within thirty (30) calendar days of termination pay WHKS for all services rendered and all costs incurred up to the date of termination, in accordance with the compensation provisions of the Agreement.

#### **14. Unauthorized Changes**

In the event Client, Client's contractors or subcontractors or anyone for whom Client is legally liable makes or permits to be made any changes to any reports, plans, specifications or other contract documents prepared by WHKS without obtaining WHKS' prior written consent, Client shall assume full responsibility for the results of such changes. Therefore, Client agrees to waive any claim against WHKS and to release WHKS from any liability arising directly or indirectly from such changes.

Client also agrees, to the extent permitted by laws, to indemnify and hold WHKS harmless from any

damage, liability or cost, including reasonable attorneys' fees and costs of defense, arising from such changes.

**15. Jobsite Safety**

Neither the professional activities of WHKS nor the presence of WHKS or its employees and subconsultants at a construction site, shall relieve the General Contractor and any other entity of their obligations, duties and responsibilities including, but not limited to, construction means, methods, sequence, techniques or procedures necessary for performing, superintending or coordinating all portions of the construction work in accordance with the contract documents and any health or safety precautions required by any regulatory agencies. WHKS and its personnel have no authority to exercise any control over any construction contractor or other entity or their employees in connection with their work or any health or safety precautions.

**16. Additional Services**

Services which are requested by Client or are required as part of the Project, but are not included in the Scope of Services, are considered Additional Services.

WHKS will notify Client in writing when Additional Services will be needed. WHKS and Client will agree on the extent of the Additional Service(s) required and will agree on the method and amount of the compensation for performance of said agreed upon Additional Services.

WHKS will not perform Additional Services which will result in additional cost to Client without documented verbal or written authority of Client.

In the event WHKS is requested or required to participate in any dispute resolution procedure which involves any aspect of the Project, Client agrees to compensate WHKS for the reasonable value of WHKS' personnel time and expenses spent

in connection with such procedures computed at WHKS' then current fee schedule and expense policies.

**17. Dispute Resolution**

In an effort to resolve any conflicts that arise, Client and WHKS agree that all disputes between them arising out of or relating to this Agreement shall be submitted to nonbinding mediation unless the parties mutually agree otherwise.

**18. Third Party Beneficiaries**

Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either Client or WHKS. WHKS' services under this Agreement are being performed solely for Client's benefit, and no other entity shall have any claim against WHKS because of this Agreement or the performance or nonperformance of services hereunder.

**19. Extension of Protection**

Client agrees to extend any and all liability limitations and indemnifications provided by Client to WHKS to those individuals and entities WHKS retains for performance of the services under this Agreement, including but not limited to WHKS officers and employees and their heirs and assigns, as well as WHKS subconsultants and their officers, employees, heirs and assigns.

**20. Timeliness of Performance**

WHKS will perform the services described in the Scope of Services with due and reasonable diligence consistent with sound professional practices.

**21. Delays**

WHKS is not responsible for delays caused by factors beyond WHKS' reasonable control, including but not limited to delays because of strikes, lockouts, work slowdowns or stoppages, accidents, acts of God, failure of any governmental or other

regulatory authority to act in a timely manner, failure of Client to furnish timely information or approve or disapprove of WHKS' services or work product promptly, or delays caused by faulty performance by Client or by contractors of any level. When such delays beyond WHKS' reasonable control occur, Client agrees WHKS is not responsible for damages, nor shall WHKS be deemed to be in default of this Agreement.

**22. Right to Retain Subconsultants**

WHKS may use the services of subconsultants when, in the sole opinion of WHKS, it is appropriate and customary to do so. Such persons and entities include, but are not limited to, aerial mapping specialists, geotechnical consultants and testing laboratories. WHKS' use of other consultants for additional services shall not be unreasonably restricted by Client provided WHKS notifies Client in advance.

**23. Assignment**

Neither party to this Agreement shall transfer, sublet or assign any rights under or interest in this Agreement (including but not limited to monies that are due or monies that may be due) without the prior written consent of the other party.

**24. Severability and Survival**

Any provision of this Agreement later held to be unenforceable for any reason shall be deemed void, and all remaining provisions shall continue in full force and effect.

**25. Hazardous Materials**

It is acknowledged by both parties that WHKS' Scope of Services does not include any services related to asbestos or hazardous or toxic materials. In the event WHKS or any other party encounters asbestos or hazardous or toxic materials at the jobsite, or should it become known in any way that such materials may be present at the jobsite or any adjacent areas that may affect the performance of WHKS services,



WHKS may, at its option and without liability for consequential or any other damages, suspend performance of services on the project until Client retains appropriate specialist consultant(s) or contractor(s) to identify, abate and/or remove the asbestos or hazardous or toxic materials, and warrant that the jobsite is in full compliance with applicable laws and regulations.

## **26. Joint Participation**

The parties have participated jointly in the negotiation and preparation of all agreements between the parties. Each party has had an opportunity to obtain the advice of legal counsel and to review and comment upon this instrument. Accordingly, no rule of construction shall apply against any party or in favor of any party. This instrument shall be construed as if the parties jointly prepared it and any uncertainty or ambiguity shall not be interpreted against one party and in favor of another.

## **27. Record Documents**

If required in the Professional Services Agreement, WHKS shall, upon completion of the Work, compile for and deliver to the Client a reproducible set of Record Documents that are based upon the marked-up record drawings, addenda, change orders and other data furnished by the Contractor or other third parties. These Record Documents may show certain significant changes from the original design made during construction. Because these Record Documents are based on unverified information provided by other parties, which the Consultant is entitled to assume as reliable, the Consultant does not warrant their accuracy.

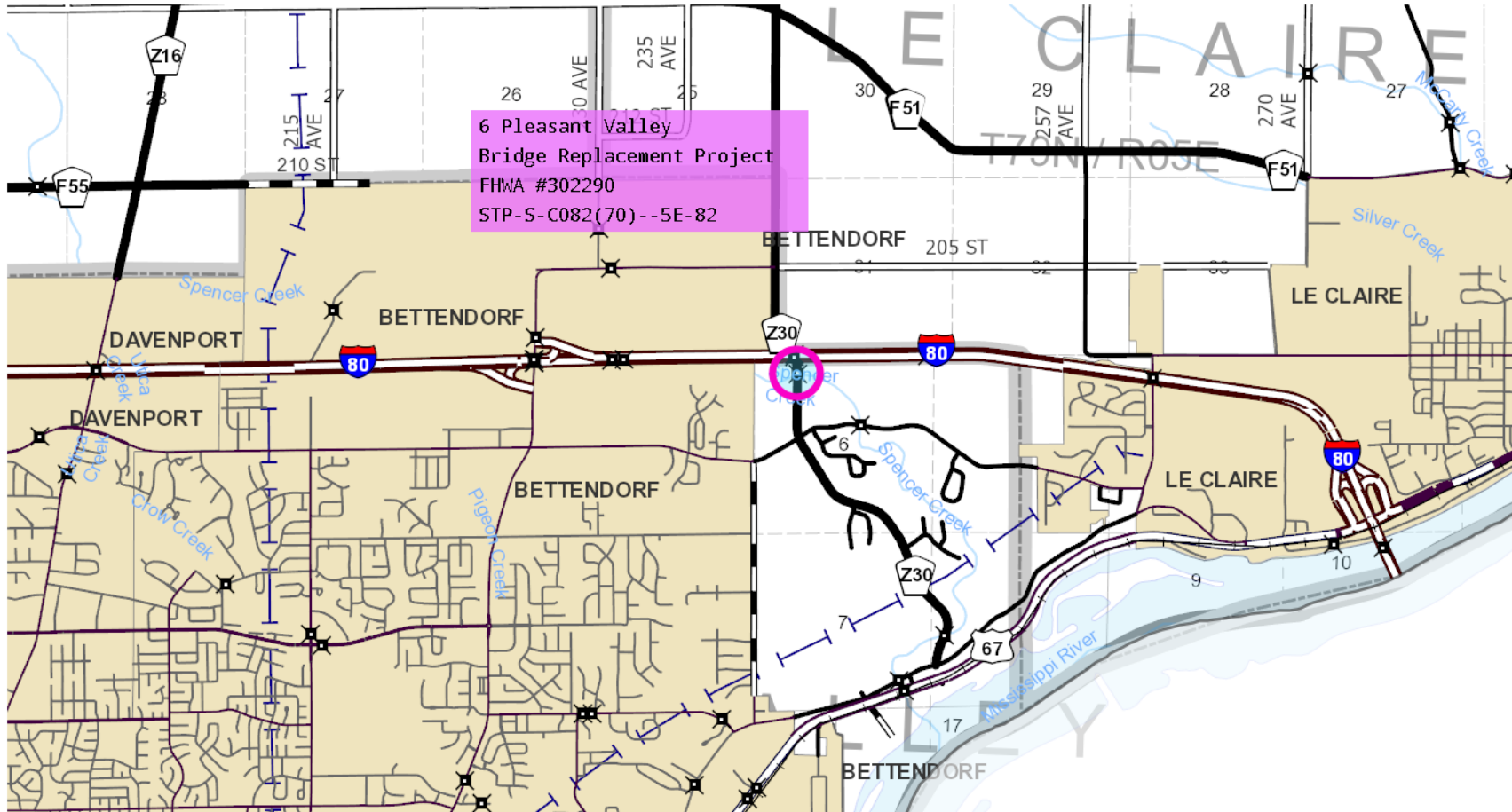
Revised 02/23/07

Revised: 04/29/09

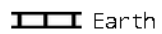
# 6 Pleasant Valley

Scott - ICEASB Easy Map

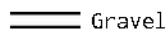
8:35 AM, Wed, Jan 11, 2023



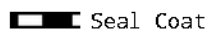
## Feature Key



Earth



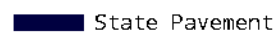
Gravel



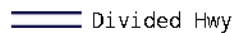
Seal Coat



County Pavement



State Pavement



Divided Hwy



Water



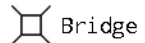
City



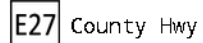
Township



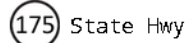
Railroad



Bridge



County Hwy



State Hwy



US Hwy



THE COUNTY AUDITOR'S SIGNATURE CERTIFIES THAT  
THIS RESOLUTION HAS BEEN FORMALLY APPROVED BY  
THE BOARD OF SUPERVISORS ON \_\_\_\_\_  
DATE

\_\_\_\_\_  
SCOTT COUNTY AUDITOR

R E S O L U T I O N

SCOTT COUNTY BOARD OF SUPERVISORS

February 2, 2023

APPROVAL OF CONTRACT FOR PROFESSIONAL DESIGN  
SERVICES RELATED TO THE PRELIMINARY AND FINAL DESIGN OF  
BRIDGE REPLACEMENT PROJECT NO. STP-S-C082(70)--5E-82

BE IT RESOLVED by the Scott County Board of Supervisors as  
follows:

Section 1. That Scott County enters into a contract with  
WHKS & Co. for professional design services related  
to the preliminary and final design of Bridge  
Replacement Project No. STP-S-C082(70)--5E-82 for a  
cost of \$102,000.

Section 2. That the County Engineer be authorized to sign  
and administer the contract on behalf of the Board.

Section 3. That this resolution shall take effect  
immediately.