

# BOONE COUNTY ENGINEER

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COURTHOUSE  
201 STATE ST  
BOONE, IOWA 50036

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## REQUEST FOR QUOTES

May 13, 2026

Re: Bridge 143 Abutment Repair

Boone County is accepting quotes for repairs to a steel girder bridge located on I Avenue approximately 400 ft south of 330<sup>th</sup> Street. The bridge is located over Little Beaver Creek.

Please find the attached documents.

- Price Quote Request
- Quote Form for Boone County
- Schedule of Prices – Quotation
- Abutment Repair to Existing 67'-6 x 28'-0 Steel I Beam Bridge Plan Sheet
- Project Location Map

Please complete the Schedule of Prices – Quotation sheet and email back to [boonecountyengr@boonecounty.iowa.gov](mailto:boonecountyengr@boonecounty.iowa.gov) by 3:00 pm on Friday, June 5, 2026.

Boone County shall provide all traffic control, seeding, and fill required for the project.

If you have any questions please call 515-433-0530.

Sincerely,



Jonathan Bullock, P.E.  
Boone County Engineer

# PRICE QUOTE REQUEST

## Project Number: Bridge 143 Abutment Repair

The Boone County Engineer seeks quotes for furnishing the materials, supplies, equipment and/or items of work hereinafter listed. Please submit them no later than June 5, 2026.

Plans, specifications and proposal forms for the work may be seen and may be secured at Boone County Engineers Office at 201 State St, Boone, IA, 50036-3988.

All quotes must be filed on the forms furnished by the County.

Attention of bidders is directed to the Special Provisions attached hereto.

BOONE County shall issue sales tax exemption certificates through the Iowa Department of Revenue and Finance to the successful bidder and subcontractors to enable them to purchase qualifying materials for the project free of sales tax.

### Description of the Proposed Work : Bridge #143 Abutment Repair

Description	Units	Quantity
Removals	LS	1
Structural Concrete	CY	1.5
Reinforcing Steel	LB	200
HP 12x53 Piling	LF	610
Bearing Pads	EA	8
Pile Bent Caps	EA	2
Structural Steel	LS	1
Class E Rip Rap	TN	60
Engineering Fabric	SY	67
Mobilization	LS	1

Completion Date 5/24/27

IOWA D.O.T. STANDARD SPECIFICATIONS WITH GS-23006 REVISIONS SHALL APPLY UNLESS OTHERWISE NOTED.

BOONE COUNTY SHALL PROVIDE ALL TRAFFIC CONTROL, SEEDING, AND FILL REQUIRED FOR THE PROJECT.

# QUOTE FORM FOR BOONE COUNTY

**Project Number: Bridge 143 Abutment Repair**

**Type of Work: Bridge Repair**

**System: Farm to Market**

**Miles:**

**Location and Description : Bridge 143 Abutment Repair on I Ave 400 ft south of 330<sup>th</sup> St.**

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Name of Bidder

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Street Address

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City

State

Zip

---

Federal Tax I.D. Number

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Phone

Fax

Email

The vendor hereby certifies that no other principal is involved in or has an interest in this proposal; that the vendor has thoroughly examined the plans and specifications and this contract form and is aware of the provisions contained herein; that the vendor has examined the site of the work and understands that the quantities of work required by the plans and specifications are approximate only and are subject to increases and decreases; that the vendor understands that all quantities of work actually required must be performed and that payment therefore shall be at the unit prices stipulated herein; that the vendor proposes to timely furnish the specified material in the quantities required and to furnish the machinery, equipment, labor and expertise necessary to competently complete this project by the time specified; that no state or county official or employee has a direct or indirect interest in the contract which would cause violation of Iowa Code Section 314.2; that the vendor has made no agreement with any supplier of motor fuel or special fuel which will result in a violation of Iowa Code Section 452A.17(8).

If this quote is accepted, Vendor agrees: to perform all "extra work" required to complete the project at unit prices or lump sums to be agreed upon in writing prior to commencement of such "extra work" or if prior agreement cannot be reached, to perform the work on a "force-account basis" as provided in the specifications; to execute the formal contract within thirty days of the date of approval for award or to forfeit the proposal guaranty furnished herewith; to begin work in accordance with the contract documents and to complete the work within the contract period.

Work Days	Date Type	Date	Liquidated Damages Per Day
	Completion date	5/24/27	\$250.00

The signing of this quote shall serve as an unsworn declaration that, I (the owner, partner, President, other corporate officer, or an authorized representative) hereby certify under penalty of perjury under the laws of the United States and the State of Iowa that I have read, understand, and accept the provisions contained in this Proposal Notice.

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Signature

Date

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Signature

Date

Date quotes due: Friday, June 5, 2026, Boone, Iowa

## SCHEDULE OF PRICES -- QUOTATION

Type of Work: Bridge Repair

UNIT PRICES and AMOUNTS MUST BE TYPED OR SHOWN IN INK.

BIDDER SHALL SHOW UNIT PRICE AND EXTENSION FOR EACH ITEM AND TOTAL FOR EACH DIVISION.

Line and Item Number	Item on which bid based. Bidder shall show unit price and extension for each item and total for each division.	Quantity	Units	Unit Price		Amount	
				Dollars	Cts	Dollars	Cts
0010	Removals	LS	1				
0020	Structural Concrete	CY	1.5				
0030	Reinforcing Steel	LB	200				
0040	HP 12x53 Piling	LF	610				
0050	Bearing Pads	EA	8				
0060	Pile Bent Caps	EA	2				
0070	Structural Steel	LS	1				
0080	Class E Rip Rap	TN	60				
0090	Engineering Fabric	SY	67				
0100	Mobilization	LS	1				
<b>Total</b>							

IOWA D.O.T. STANDARD SPECIFICATIONS WITH GS-23006 REVISIONS SHALL APPLY UNLESS OTHERWISE NOTED.

Estimate Reference Notes: (Refer to "Abutment Repair to Existing 67'-6 x 28'-0 Steel I Beam Bridge Plan Sheet")

0010 Removals - Include all labor equipment to remove sections of concrete deck. Broken concrete may be used as rip rap as directed by the engineer.

0020 Structural Concrete – Include all labor materials and equipment to replace the deck patches.

0030 Reinforcing Steel – Include all labor materials and equipment to place all reinforcing steel and tie wire.

0040 HP 12x53 Piling – Includes all labor materials and equipment to drive abutment piling.

0050 Bearing Pads – Includes all labor materials and equipment to install bearing pads between pile cap and existing bridge beams. Also includes any welding required.

0060 Pile Bent Caps – Includes all labor materials and equipment to install pile bent caps. Includes any welding required.

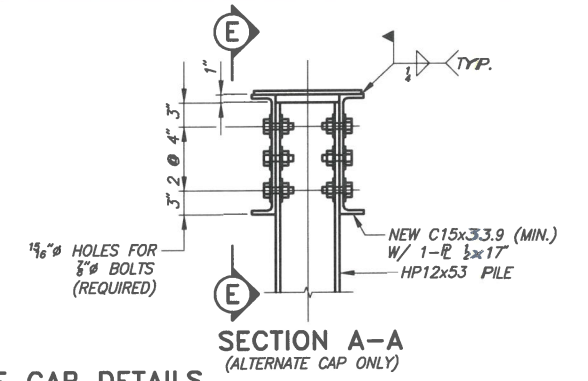
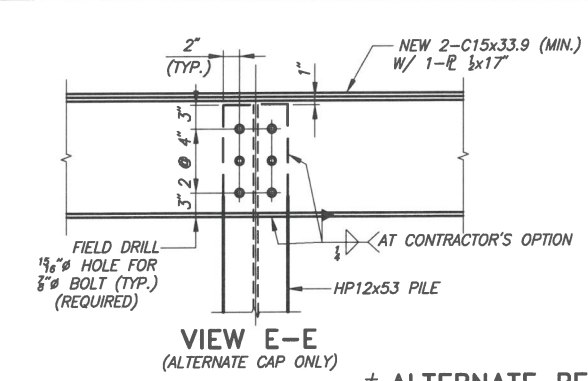
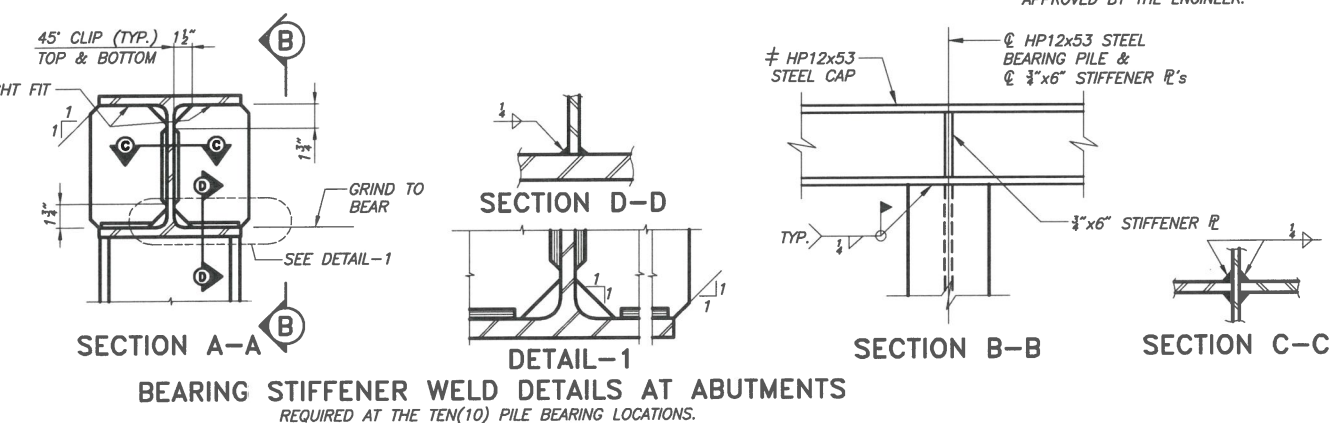
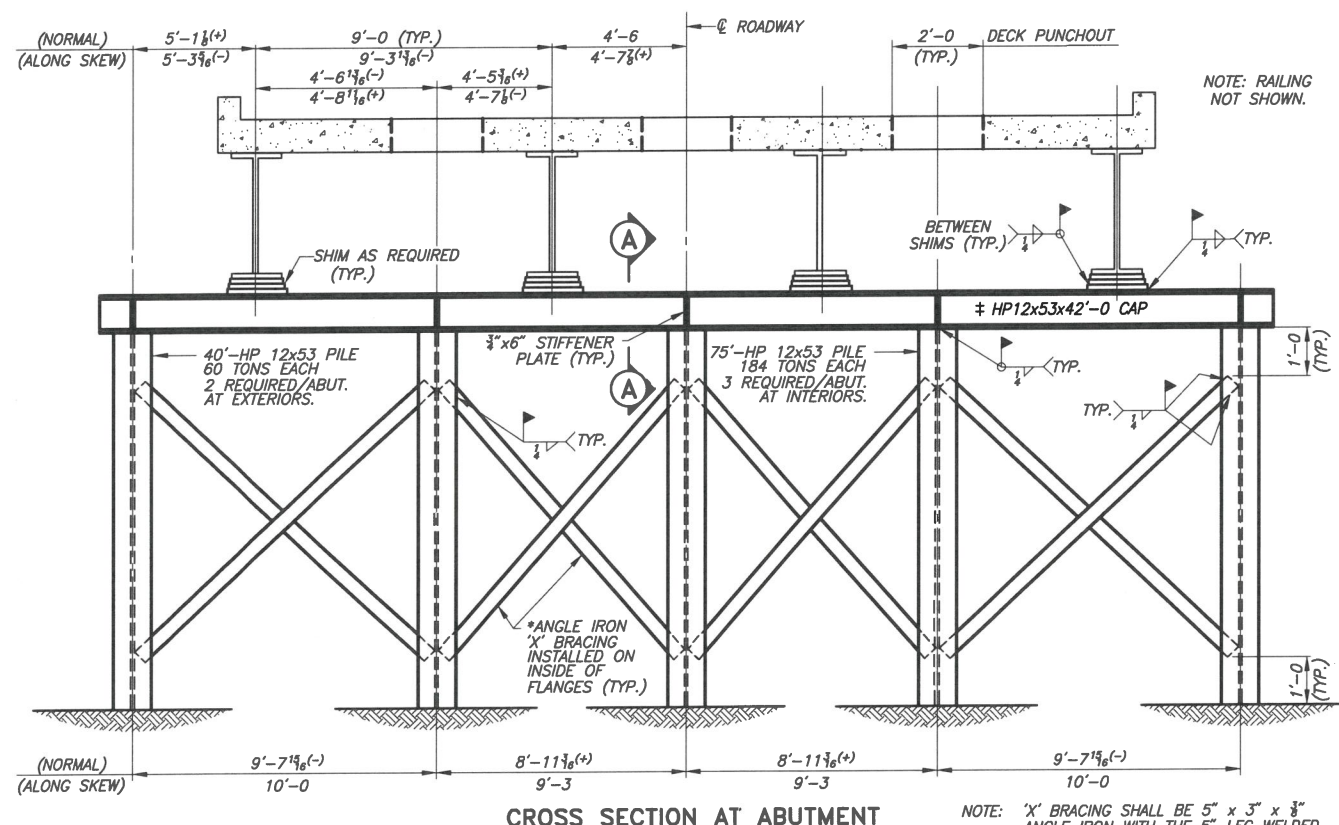
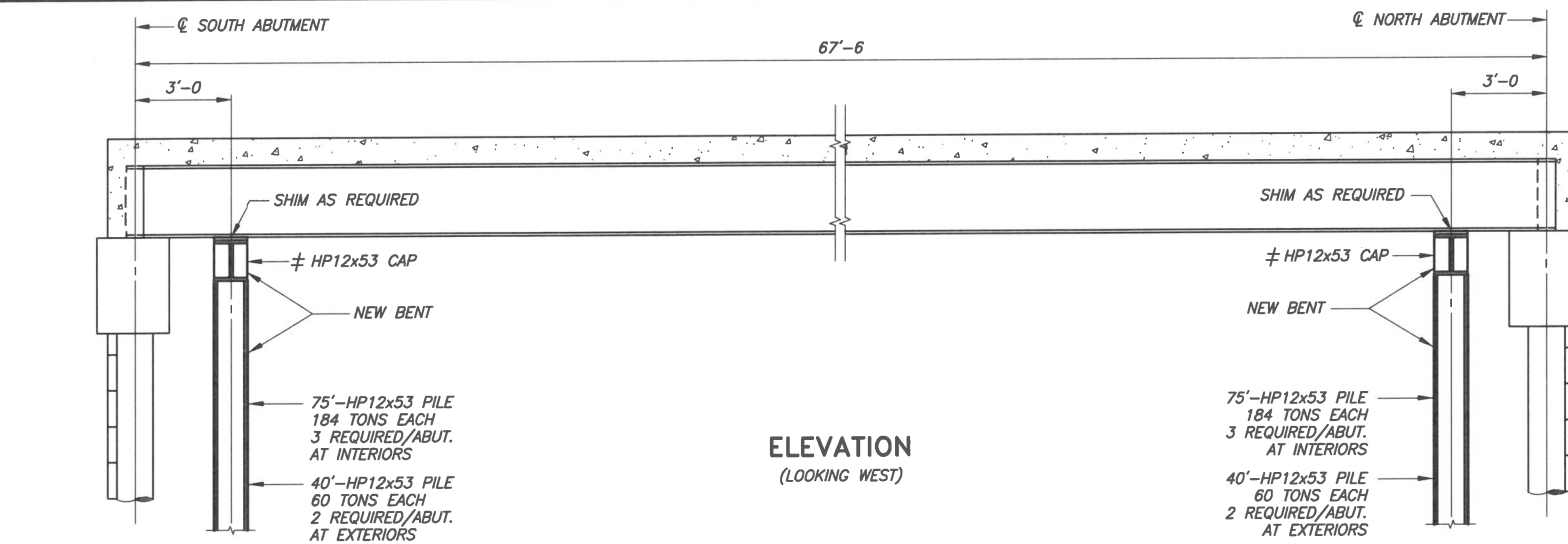
0070 Structural Steel – Includes all labor materials and equipment to install x bracing and web stiffeners. Includes any welding required.

0080 Class E Rip Rap – Includes all labor materials and equipment to place rip rap on bridge berms.

0090 Engineering Fabric – Includes all labor materials and equipment to place engineering fabric prior on bridge berms.

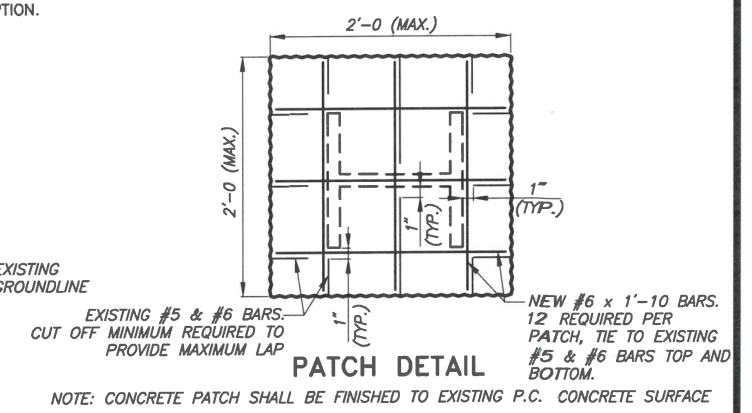
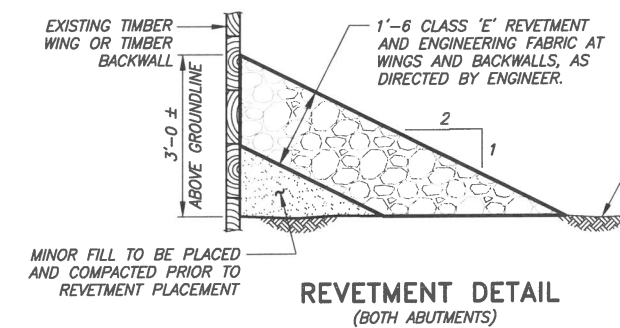
0100 Mobilization – All costs associated with mobilizing to the project location. This item shall include any costs associated with incidental channel excavation/or fill required for placing rip rap, temporary causeways, and pre/post mobilization site work.





**ALTERNATE PERMISSIBLE CAP DETAILS**

NOTE: 2-C15x33.9 W/ 1-P 1/2 x 17" x 42'-0" CAP MAY BE SUBSTITUTED FOR HP12x53 x 42'-0" CAP AT CONTRACTOR'S OPTION.



**GENERAL NOTES**

THE INTENT OF THIS PLAN SHEET IS TO DETAIL THE REPAIR OF BOTH ABUTMENTS OF BOONE COUNTY BRIDGE NO. 143, FHWA NO. 077161, LOCATED IN SECTION 33, T-82N, R-27W. THE EXISTING BRIDGE IS IOWA DEPARTMENT OF TRANSPORTATION STANDARD V13 (1964). THIS DESIGN IS SITE-SPECIFIC FOR THE BRIDGE LOCATED IN SECTION 33, T-82N, R-27W, (COUNTY BRIDGE NO. 143, FHWA NO. 077161), AS SHOWN IN THE TITLE BLOCK OF THESE DRAWINGS, AND IS NOT TO BE CONSIDERED USEABLE AT ANY OTHER SITE.

SCOPE OF WORK FOR THIS PROJECT INCLUDES ALL LABOR, EQUIPMENT, MATERIALS AND SUPERVISION NECESSARY TO REPAIR THIS BRIDGE IN ACCORDANCE WITH THIS PLAN AND THE STANDARD SPECIFICATIONS OF THE IOWA DEPARTMENT OF TRANSPORTATION, HIGHWAY DIVISION, SERIES OF 2023 PLUS CURRENT SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS.

THE CONTRACTOR IS ADVISED THAT TOXIC LEVELS OF LEAD, CHROMIUM AND OTHER CONSTITUENTS MAY EXIST ON THE EXISTING BEAMS AND COULD CREATE CONDITIONS ABOVE REGULATORY LIMITS FOR HEALTH AND SAFETY REQUIREMENTS.

OVERSIZE HOLES SHALL BE MADE IN THE SLAB, ALLOWING FOR SUFFICIENT LAP OF REINFORCEMENT. EXISTING REINFORCEMENT MUST NOT BE CUT OFF FLUSH WITH THE OPENING IN ORDER TO PROVIDE CONTINUITY OF SLAB REINFORCING. CONCRETE FOR PATCHES SHALL BE CLASS 'C' AND REINFORCEMENT BARS SHALL BE GRADE 60.

PILES WERE DESIGNED BY ALLOWABLE STRESS DESIGN (ASD). ASD CAPACITY OF 46 AND 15 TONS PER PILES WAS MULTIPLIED BY A FACTOR OF 4 TO OBTAIN NOMINAL BEARING RESISTANCE OF 184 AND 60 TONS PER PILE FOR PILE DRIVING. NOMINAL BEARING RESISTANCE SHALL BE DETERMINED BY USE OF THE IOWA DOT ENR FORMULA IN THE 2023 STANDARD SPECIFICATION SECTION 2501.03.M.2.a.

PILE LENGTHS HAVE BEEN ESTIMATED BASED ON BORING INFORMATION AT THIS SITE AND FIELD ADJUSTMENT MAY BE REQUIRED BASED ON SOIL CONDITIONS. PILING SHALL BE DRIVEN TO FULL PENETRATION, WHERE PRACTICABLE, BUT NOT LESS THAN 184 AND 60 TONS PER PILE (NOMINAL).

SHIMS SHOULD BE PLACED BETWEEN THE EXISTING BEAMS AND NEW CAPS AS SHOWN. THE SHIMS SHOULD BE WELDED IN PLACE ON THE CAP ONLY. MINIMUM SHIM WIDTH SHALL BE 6" FOR HP CAP AND 14" FOR DOUBLE CHANNEL CAP WITH THE WIDTH CENTERED ON THE CAP. TOP SHIM LENGTH SHALL BE FLANGE WIDTH PLUS 1". INCREASE LENGTH 1" FOR EACH ADDITIONAL SHIM.

CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK. IF FIELD DIMENSIONS DIFFER FROM DIMENSIONS SHOWN, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.

ALL WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT ANSI/AWS STRUCTURAL WELDING CODE, AS MODIFIED BY THE AASHTO STEEL WELDING SPECIFICATIONS AND ARTICLE 2408.03, B, WELDING SHALL BE PERFORMED BY AN AWS PREQUALIFIED WELDER, CERTIFIED IN THE POSITIONS AND CONDITIONS REQUIRED, AND IN CONFORMANCE WITH WEATHER CONDITIONS AT THE TIME WORK IS PERFORMED. UNLESS NOTED OTHERWISE, THE DESIGN JOINT DETAILS ARE FOR MANUAL SHIELDED METAL ARC WELDING. LOW HYDROGEN RODS OF AT LEAST FY=70,000 PSI SHOULD BE USED.

ALL NEW STEEL SHALL BE ASTM A-36 FY=36,000 PSI OR ASTM A572 GRADE 50.

FASTENERS (BOLTS, NUTS, WASHERS) SHALL BE GALVANIZED HIGH STRENGTH FASTENERS MEETING THE REQUIREMENTS OF ARTICLE 4153.06B OF THE STANDARD SPECIFICATION.

THIS BRIDGE REPAIR WILL PROVIDE A LEGAL RATING FOR TYPE 4, 3S3A, 3-3, 3S3B, 4S3, SU4, SU5, SU6, SU7 AND 5-2 TRUCKS INCLUDING 12% OVER LEGAL FOR THE ALL-SYSTEMS PERMIT, AT OPERATING STRESSES.

THE BRIDGE SHALL BE CLOSED TO ALL TRAFFIC DURING REPAIRS IN ACCORDANCE WITH CURRENT IDOT REQUIREMENTS.

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

*Evan J. Murphy* DATE: 5/7/2026  
EVAN J. MURPHY, P.E.

MY LICENSE RENEWAL DATE IS DECEMBER 31, 2027.

PAGES OR SHEETS COVERED BY THIS SEAL:  
1 of 1

**EVAN J. MURPHY**  
26410  
LICENSED PROFESSIONAL ENGINEER  
STATE OF IOWA

**ABUTMENT REPAIR TO EXISTING**  
**67'-6" x 28'-0" STEEL I-BEAM BRIDGE**  
FHWA NO. 077161 SEC. 33, T-82N, R-27W  
**ABUTMENT REPAIR DETAILS**  
15' SKEW, LT. AHEAD  
BOONE COUNTY, IOWA