



ADDENDUM NUMBER ONE

DATE: June 25, 2026

OWNER: Audrain County, Missouri

SUBJECT: Addendum Number One to
Bridge No. 4540006 on C.R. 448
Federal Project No. BRO-R004(001), Cochran Project No. SC24-1554

This Addendum forms a part of the Bidding and Contract Documents and modifies the original Bidding Documents. **FAILURE TO ACKNOWLEDGE RECEIPT OF ADDENDUM MAY SUBJECT BIDDER TO DISQUALIFICATION.**

Acknowledgement Receipt of Addendum	
<hr style="border: 0; border-top: 1px solid black;"/> Signature	<hr style="border: 0; border-top: 1px solid black;"/> Company Name

****BID FORM CHANGE****

ITEM:

1. **REPLACE:** In the Project Manual, Pages BF-1, BF-2 & BF-3, **BID FORM PROPOSAL**, with the enclosed **BID FORM PROPOSAL – ADDENDUM 1**.

Items changed:

- Added 4-strand Barbed Wire Fence.
- Removed Ditch Checks.
- Changed construction sign quantity.
- Changed quantity of Furnishing Type 2 Rock Blanket and Placing Type 2 Rock Blanket
- Changed quantity of Permanent Erosion Control Geotextile – Class 1
- Changed quantity of Structural Steel Piles (10").
- Changed quantity of Class B1 Concrete (Substructure).
- Changed quantity of Slab on Concrete Beam.
- Changed 24 in. Prestressed Concrete Voided Slab Beam to 27 in. Prestressed Concrete Voided Slab Beam and changed the quantity.
- Changed quantity of Reinforcing Steel (Epoxy Coated).

2. **ADD:** Detail for 5 Strand Barbed Wire Fencing attached.

3. **REPLACE:** In the Plans, the following plan sheets with the enclosed **Revised Plan Sheets: Q-1, B-1, B-6, B-7, B-10**.

ATTACHMENTS: **Bid Form Proposal – Addendum 1, BF-1, BF-2 & BF-3**
 5-Strand Barbed Wire Fencing Detail
 Revised Plan Sheets - Q-1, B-1, B-6, B-7, B-10

END ADDENDUM NO. 1

ARTICLE 6

BID FORM PROPOSAL – ADDENDUM 1

PROJECT NAME: Bridge No. 4540006 Replacement BID TIME: 10:00 a.m.

PROJECT LOCATION: County Road 448 over Middle Lick Creek BID DATE: 7/9/2026

BIDDER NAME: _____

TO: Audrain County (“Owner”)

In response to the Invitation for Bids for Project No. BRO-R004(001), and in accordance with the Instructions to Bidders and other Bidding Documents, the Bidder declares that he has had an opportunity to examine the site of the Work and has carefully examined the Contract Documents therefore, including the Addenda, and on the basis thereof, and being fully familiar with the local conditions affecting the Work, and upon written notice of award of contract, acknowledges and agrees to provide all labor, material, equipment, tools, management and supervision, safety and technical services, insurance, bonds and incidentals necessary or required for the faithful performance of the Contract Work in accordance with the above-referenced documents in a safe, timely and workmanlike manner for the following Base Bid Price:

<p>BASE BID:</p> <p>_____ Dollars (Amount in Words)</p> <p style="text-align: center;">(\$ _____)</p>
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DETERMINATION OF LOW BIDDER. The Low Bidder will be determined by the total of the Base Bid.

DETERMINATION OF DBE PERCENTAGE. The DBE goal percentage will be based on the Base Bid total.

The Base Bid amount is more fully itemized as follows:

BIDDER NAME: _____

ITEMIZED BID FORM – ADDENDUM 1

Each bidder shall specify a unit price for each of the separate items listed. The bidder shall show the products of the respective unit prices and quantities in the column provided. In cases of errors or discrepancies in extensions, the unit prices shall govern.

Bid No.	Spec. No.	Description	Unit	Quantity	Unit Cost	Extended Cost
1	2013000	Clearing and Grubbing	AC	0.1		
2	2022010	Removal of Improvements	LS	1		
3	2035000	Unclassified Excavation	CY	100		
4	2035500	Embankment in Place	CY	2,000		
5	3105002	Gravel (A) or Crushed Stone (B)	TON	171		
6	3109910	3" Minus Base Course (9")	TON	512		
7	6062301A	Transition Section, 7.5 Ft. Posts	EA	4		
8	6063015	Type A Crashworthy End Terminal (TL-2, 25')	EA	4		
9	6072004	5-Strand Barbed Wire Fence	LF	40		
10	6181000	Mobilization	LS	1		
11	6274000	Contractor Furnished Surveying and Staking	LS	1		
12	8061019	Silt Fence	LF	656		
Sub-Total Roadway Items						
13	6161005	Construction Signs	SF	92.0		
14	6161031	Type III Moveable Barricade with Lights	EA	6		
Sub-Total Signing/Striping/Signal Items						

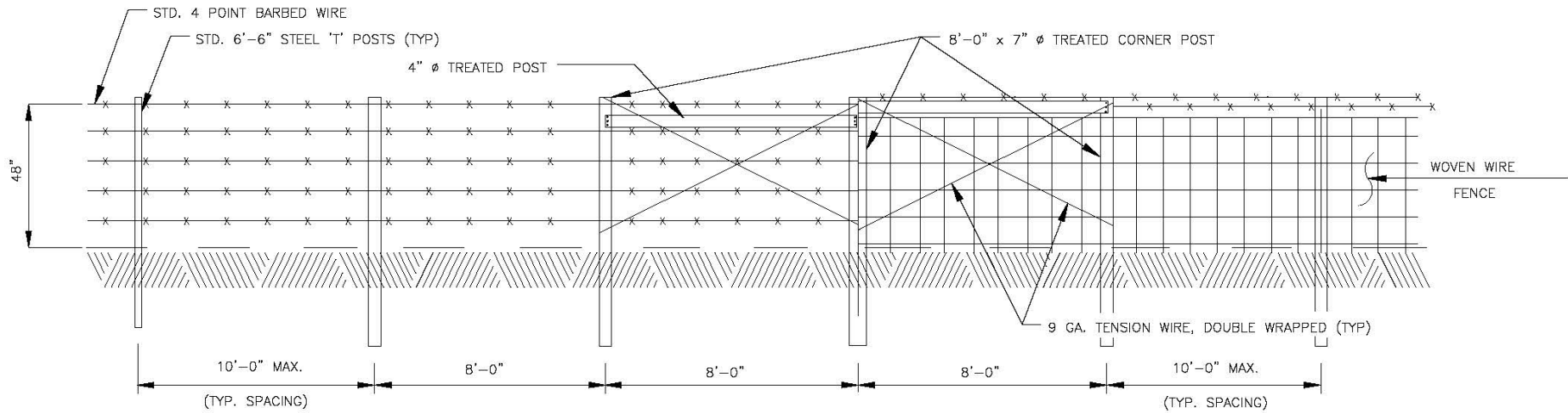
Continued on next page

BIDDER NAME: _____

ITEMIZED BID FORM CONTINUED – ADDENDUM 1

Each bidder shall specify a unit price for each of the separate items listed. The bidder shall show the products of the respective unit prices and quantities in the column provided. In cases of errors or discrepancies in extensions, the unit prices shall govern.

Bid No.	Spec. No.	Description	Unit	Quantity	Unit Cost	Extended Cost
15	8051000A	Seeding - Cool Season Mixtures	AC	0.4		
Sub-Total Landscaping/Streetscaping Items						
16	2061000	Class 1 Excavation	CY	131		
17	2160500	Removal of Bridges	EA	1		
18	6113021	Furnishing Type 2 Rock Blanket	TON	462		
19	6113041	Placing Type 2 Rock Blanket	TON	462		
20	6240103A	Permanent Erosion Control Geotextile - Class 1	SY	472		
21	7021010	Structural Steel Piles (10")	LF	500		
22	7027000	Pile Point Reinforcement	EA	10		
23	7032003	Class B1 Concrete (Substructure)	CY	26		
24	7034222	Slab on Concrete Beam	SY	167		
25	7056043A	27 In., Prestr. Concrete Voided Slab Beam	LF	238		
26	7101000	Reinforcing Steel (Epoxy Coated)	LB	6,293		
27	7135000	Bridge Rail (SL-1 Thrie Beam)	LF	125		
28	7161002	Neoprene Bearing Pads	EA	8		
Sub-total Bridge Items						
Total Base Bid						



TYPICAL CORNER AND BRACING

(FOR BARBED WIRE & WOVEN WIRE)

NOTES:

1. FENCING SHOWN IN THIS DETAIL IS THE MINIMUM REQUIRED BY THE ENGINEER. ACTUAL REPLACEMENT FENCE SHALL BE EQUAL TO OR BETTER THAN THE EXISTING.
2. TIES TO EXISTING FENCE REQUIRE THE SAME LAYOUT AS FENCE CORNERS (i.e. CORNER POSTS WITH BRACING AND TENSION WIRE).
3. INSTALL BREAKAWAY WATER GAP IF SPECIFIED ON THE SITE PLAN.
4. TEMPORARY FENCING TO BE INSTALLED TO MAINTAIN CONTINUITY OF FENCING DURING CONSTRUCTION (INCIDENTAL TO CONSTRUCTION).

QUANTITIES

Bid No.	Spec. No.	Description	From STA	To STA	Unit	Quantity
ROADWAY ITEMS						
1	2013000	Clearing and Grubbing	12+50.00	18+78.87	AC	0.1
2	2022010	Removal of Improvements	12+50.00	18+78.87	LS	1
3	2035000	Unclassified Excavation	12+50.00	18+78.87	CY	100
4	2035500	Embankment in Place	12+50.00	18+78.87	CY	2000
5	3105002	Gravel (A) or Crushed Stone (B)	12+50.00	18+78.87	TON	171
6	3109910	3" Minus Base Course (9")	12+50.00	18+78.87	TON	512
7	6062301A	Transition Section, 7.5 Ft. Posts	15+21.42	15+96.42	EA	4
8	6063015	Type A Crashworthy End Terminal (TL-2, 25')	14+96.42	16+21.42	EA	4
9	6072004	5-Strand Barbed Wire Fence	12+50.00	18+78.87	LF	40
10	6181000	Mobilization	12+50.00	18+78.87	LS	1
11	6274000	Contractor Furnished Surveying and Staking	12+50.00	18+78.87	LS	1
12	8061019	Silt Fence	12+50.00	18+78.87	LF	656
SIGNING/STRIPING/SIGNAL ITEMS						
13	6161005	Construction Signs	12+50.00	18+78.87	SF	92
14	6161031	Type III Moveable Barricade with Lights	12+50.00	18+78.87	EA	6
LANDSCAPING/STREETSCAPING ITMES						
15	8051000A	Seeding - Cool Season Mixtures	12+50.00	18+78.87	AC	0.4
BRIDGE ITEMS						
16	2061000	Class 1 Excavation	15+28.32	15+89.32	CY	131
17	2160500	Removal of Bridges	15+28.32	15+89.32	EA	1
18	6113021	Furnishing Type 2 Rock Blanket	15+28.32	15+89.32	TON	462
19	6113041	Placing Type 2 Rock Blanket	15+28.32	15+89.32	TON	462
20	6240103A	Permanent Erosion Control Geotextile - Class 1	15+28.32	15+89.32	SY	472
21	7021010	Structural Steel Piles (10")	15+28.32	15+89.32	LF	500
22	7027000	Pile Point Reinforcement	15+28.32	15+89.32	EA	10
23	7032003	Class B1 Concrete (Substructure)	15+28.32	15+89.32	CY	26
24	7034222	Slab on Concrete Beam	15+28.32	15+89.32	SY	167
25	7056043A	27 In., Prestr. Concrete Voided Slab Beam	15+28.32	15+89.32	LF	238
26	7101000	Reinforcing Steel (Epoxy Coated)	15+28.32	15+89.32	LB	6,293
27	7135000	Bridge Rail (SL-1 Thrie Beam)	15+28.32	15+89.32	LF	125
28	7161002	Neoprene Bearing Pads	15+28.32	15+89.32	EA	8

Drawing name: I:\SC24-1554 Audrain Co Rd 448 (Bridge 454006)\AUTOCAD DRAWINGS\1554_QUANTITIES.dwg Tab: Q-1 1554_QUANTITIES Plotted on: Jun 25, 2026 - 3:03pm Plotted by: emueller

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 314-842-5957 (fax)
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COCHRAN
 777 RIDGER ROAD
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 Site Development
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 ENGINEERING CERTIFICATE OF AUTHORITY NUMBER - 2007006937
 LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529


 TARY TODD
 NUMBER E-24182
 4/23/2026
 TARY TODD
 NO. E-24182
 STATE OF MISSOURI
 REGISTERED PROFESSIONAL ENGINEER
 FOR SC ENGINEERING LLC,
 DBA COCHRAN
 THIS SHEET HAS BEEN SIGNED,
 SEALED AND DATED ELECTRONICALLY

THE PROFESSIONAL'S SEAL AFFIXED TO THIS SHEET APPLIES ONLY TO ITEMS ON THIS SHEET. ALL DRAWINGS OR OTHER DOCUMENTS NOT EXHIBITING THIS SEAL SHALL NOT BE CONSIDERED PREPARED BY THIS PROFESSIONAL.

BRIDGE NO. 4540006 OVER MIDDLE LICK CREEK
 AUDRAIN COUNTY ROAD 448
 FEDERAL PROJECT NO. BRO-R004(001)
 AUDRAIN COUNTY, MISSOURI

QUANTITIES
 REVISION:
 DATE:
 DWN BY: A.P.D. APPD BY: T.D.T.
 DATE: APRIL 2026
 SCALE: NOT TO SCALE
 PROJ. NO: SC24-1554
 DWG. NO: **Q-1**

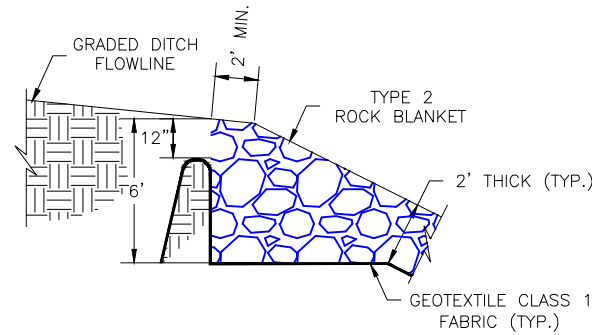
BRIDGE NOTES

HYDRAULIC DATA

DRAINAGE AREA	4.69 SQUARE MILES
BASIN SLOPE	5.7 ft/mi
CHANNEL SLOPE IN THE VICINITY OF THE STRUCTURE	0.00096 ft/ft
DESIGN FREQUENCY	100 YEAR
DESIGN DISCHARGE	2730 CFS
DESIGN HIGH WATER ELEVATION AT THE STRUCTURE	758.10 FEET
MAXIMUM BACKWATER FOR DESIGN FREQUENCY	0.7 FEET
LOW ELEVATION OF STRUCTURE	757.85 FEET
100-YEAR DISCHARGE	2730 CFS
APPROACH ROADWAY OVERTOPPING FREQUENCY	35 YEAR

NOTE:

PARTS OF THIS SITE ARE WITHIN "ZONE X" (AREAS OUTSIDE 0.2% ANNUAL CHANCE FLOOD) AND WITHIN "ZONE A" (1% ANNUAL CHANCE FLOOD NO BASE FLOOD ELEVATION IS DETERMINED) PER FEMA FIRM MAP NUMBER 29007C0150C, EFFECTIVE DATE APRIL 5, 2010.



TYPICAL SECTION AT INTERSECTION OF GRADED DITCH AND TYPE 2 ROCK BLANKET

PROPOSED STRUCTURE

SINGLE SPAN (58'-6")
 PRESTRESSED CONCRETE BOX GIRDERS
 CURB-TO-CURB WIDTH = 24'-0"
 OUT-TO-OUT WIDTH = 24'-8"
 SKEW = 0.00°
 GRADE = 0.00%

PROPOSED ROADWAY

TRAVELED WAY WIDTH = 20'-0"
 ROADBED WIDTH = 24'-0"
 SHOULDER WIDTH = 2'-0"
 NORMAL CROWN = 3.00%

GENERAL NOTES:

DESIGN SPECIFICATIONS:
 2020 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR HIGHWAY BRIDGES, 9TH EDITION.
 2002 AASHTO LFD (17TH ED.) STANDARD SPECIFICATIONS (SEISMIC DETAILS) SEISMIC PERFORMANCE CATEGORY 'A'

CONSTRUCTION SPECIFICATIONS:

MATERIALS AND CONSTRUCTION PROCEDURES SHALL CONFORM TO THE MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION 2022 AND CURRENT SUPPLEMENTAL SPECIFICATIONS AND REVISIONS, UNLESS MODIFIED BY THE PROJECT SPECIFICATIONS.

DESIGN LOADING:

HL-93 LOADING
 FUTURE WEARING SURFACE 35 LBS./SQUARE FOOT
 EARTH 120 LBS./CUBIC FOOT
 EQUIVALENT FLUID PRESSURE= 60 LBS./CUBIC FT.

SUPERSTRUCTURE:

SIMPLY SUPPORTED AND NON-COMPOSITE FOR DEAD LOAD 1.
 SIMPLY SUPPORTED AND COMPOSITE FOR DEAD LOAD 2 AND LIVE LOAD.

DESIGN UNIT STRESSES:

CLASS B-1 CONCRETE (SUBSTRUCTURE)	$f'_c = 4,000$ p.s.i.
CLASS B-2 CONCRETE (SUPERSTRUCTURE)	$f'_c = 4,000$ p.s.i.
REINFORCING STEEL (GRADE 60)	$f_y = 60,000$ p.s.i.
STRUCTURAL CARBON STEEL (ASTM A709 GRADE 36)	$f_y = 36,000$ p.s.i.
STEEL PILE (ASTM A709 GRADE 50)	$f_y = 50,000$ p.s.i.

ALL JOINT FILLER SHALL MEET THE REQUIREMENTS OF MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION SECTION 1057.7.4.

MINIMUM CLEARANCE TO REINFORCING STEEL SHALL BE 2" UNLESS OTHERWISE SHOWN.

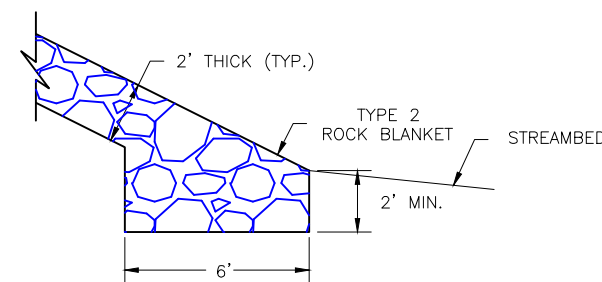
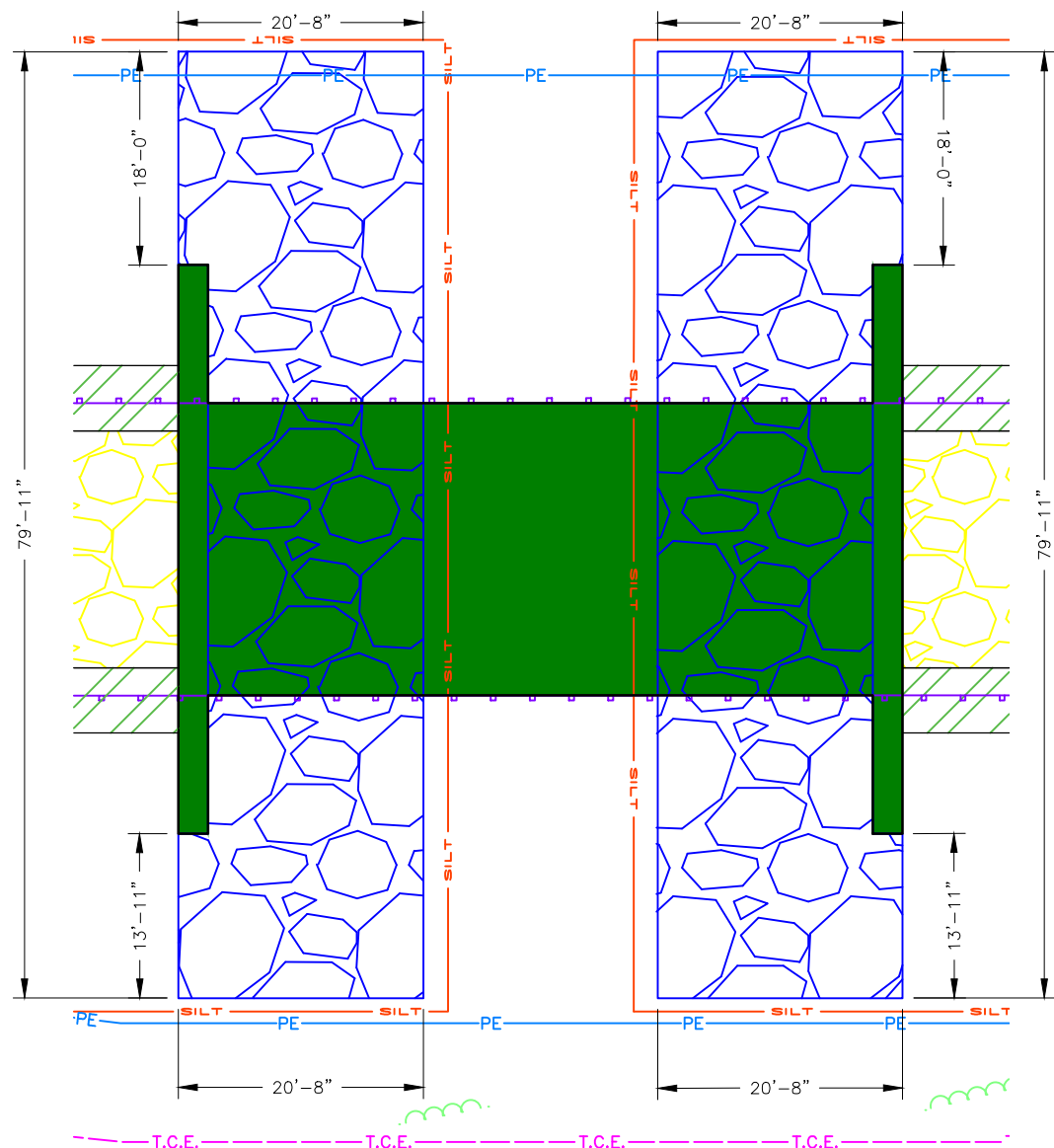
ALL BAR CHAIR SUPPORTS AND WIRE USED FOR TIEING THE REINFORCING STEEL SHALL BE EPOXY COATED OR PLASTIC COATED.

BEARINGS SHALL BE 60 DUROMETER NEOPRENE PADS.

IF 1" CLEAN ROCK IS USED FOR BACKFILL, THE WALLS MAY BE BACKFILLED BEFORE THE SLAB IS POURED.

THE PROJECT SHALL BE OPEN FOR INSPECTIONS OF THE WORK BY REPRESENTATIVES OF MODOT AND FHWA. THE CONTRACTOR SHALL GRANT ACCESS TO ALL PORTIONS OF THE WORK.

ESTIMATED QUANTITIES FOR SLAB ON STEEL OR CONCRETE BEAM	
ITEM	TOTAL
CLASS B2 CONCRETE (SUPERSTRUCTURE), CY	54.8
REINFORCING STEEL, LBS	13,788



TYPICAL SECTION THROUGH LOWER END OF TYPE 2 ROCK BLANKET

NOTE: THIS DRAWING IS NOT TO SCALE. PLEASE FOLLOW DIMENSIONS.

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 314-842-5957 (fax)
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 FENTON, MISSOURI 63026

ENGINEERING CERTIFICATE OF AUTHORITY NUMBER - 2007006937
 LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529

STATE OF MISSOURI
TARY TODD
 NUMBER E-24182
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BRIDGE NO. 4540006 OVER MIDDLE LICK CREEK
 AUDRAIN COUNTY ROAD 448
 FEDERAL PROJECT NO. BRO-R004(001)
 AUDRAIN COUNTY, MISSOURI

BRIDGE NOTES

DATE:	REVISION:
DWN BY:	APPD BY:
A.P.D.	T.D.T.
DATE:	APRIL 2026
SCALE:	NOT TO SCALE
PROJ. NO.:	SC24-1554
DWG. NO.:	B-1

END BENT ELEVATION

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ENGINEERING CERTIFICATE OF AUTHORITY NUMBER - 2007006837
LAND SURVEYING CERTIFICATE OF AUTHORITY NUMBER - 2007004529

TODD TERRY TODD

NUMBER
E-24182

4/23/2026

TERRY TODD
NO. E-24182
STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
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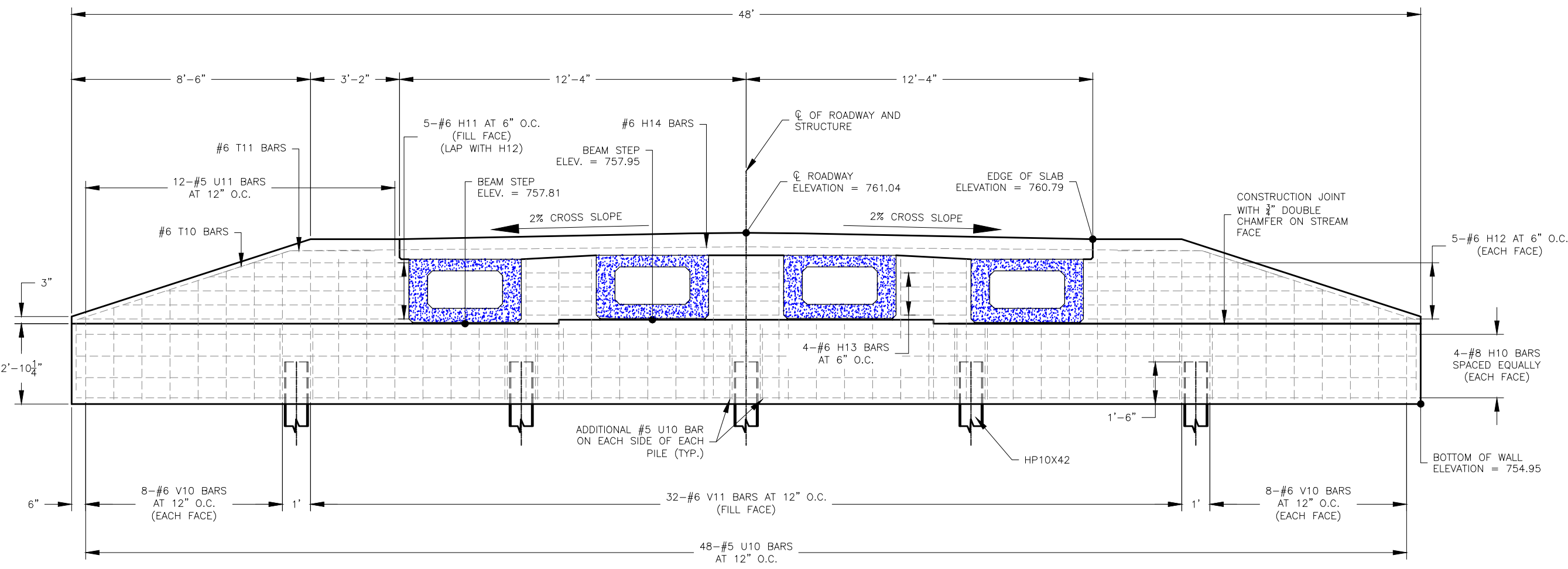
BRIDGE NO. 4540006 OVER MIDDLE LICK CREEK

AUDRAIN COUNTY ROAD 448

FEDERAL PROJECT NO. BRO-R004(001)

AUDRAIN COUNTY, MISSOURI

END BENT ELEVATION	DATE:	REVISION:					
	DWN. BY:	APPD. BY:					
	A.J.M.	T.D.T.					
	DATE:	APRIL 2026					
	SCALE:	NOT TO SCALE					
	PROJ. NO.:	SC24-1554					
	DWG. NO.:	B-6					



END BENT ELEVATION

Drawing name: J:\SC24-1554 Audrain Co Rd 448 (Bridge 4540006)\AUTOCAD DRAWINGS\1554_END BENT and SLAB MASTER.dwg Tab: B-6 Plotted on: Jun 04, 2026 - 12:22pm Plotted by: amueller

