

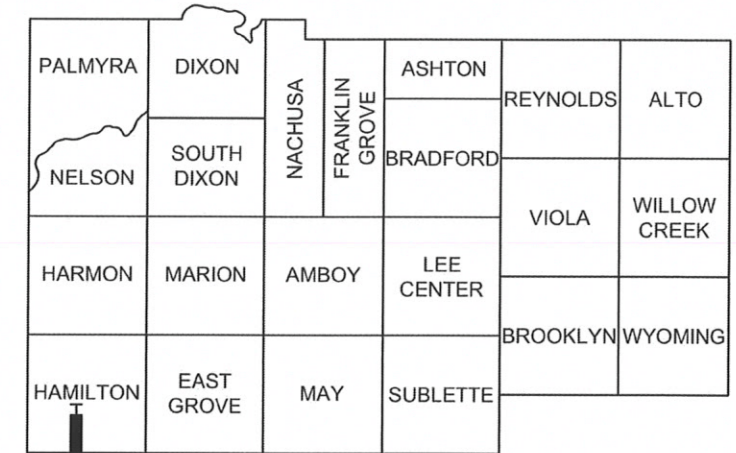
04-24-2026 LETTING ITEM 069

INDEX OF SHEETS

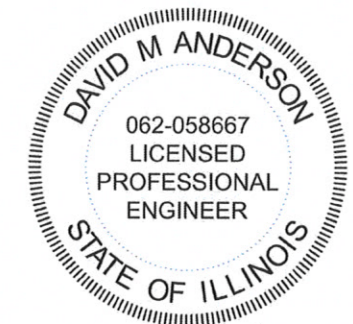
SHEET #	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES/QUANTITIES
3	CONTROL POINTS/BENCHMARKS
4	TYPICAL SECTIONS
5	TRAFFIC CONTROL PLAN
6	DEMO PLAN
7	PLAN & PROFILE PLAN
8	GENERAL PLAN & ELEVATION
9	SUPERSTRUCTURE
10	STEEL RAILING TYPE SM
11	27" X 48" PPC DECK BEAM
12	PPC DECK BEAM DETAILS
13	ABUTMENTS
14	METAL SHELL PILE DETAILS
15-18	BORING LOGS
19	ROADWAY CROSS SECTIONS

PLANS FOR PROPOSED PROJECT
INDIAN HEAD BRIDGE
INDIAN HEAD ROAD (FAS 188)
PROP. STRUCTURE #052-3333
25-00365-00-BR
LEE COUNTY
PROJECT YSIS(006)
IDOT CONTRACT NO. 85797
IDOT JOB NO. C-92-057-26

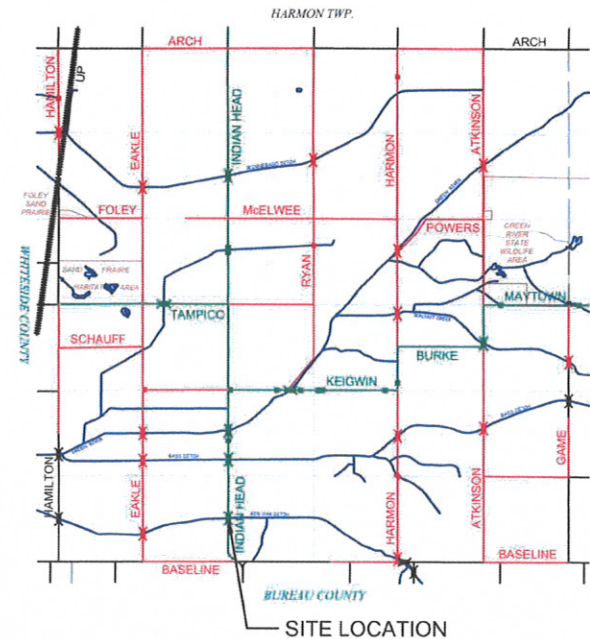
FAS ROUTE NO	SECTION NO	COUNTY	TOTAL SHEETS	SHEET NO
188	25-00365-00-BR	LEE	19	1



LOCATION OF SECTION INDICATED THUS: H



David M. Anderson
DAVID M. ANDERSON, P.E.
 ILLINOIS LICENSED PROFESSIONAL ENGINEER NO. 062-058667
 EXPIRES 11/30/2027



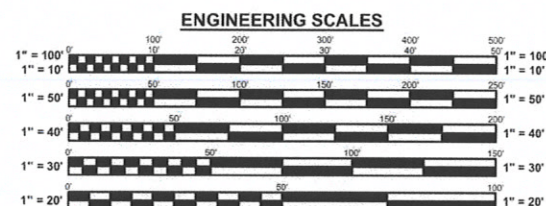
LOCATION MAP



LEE COUNTY HIGHWAY DEPT
 P: 815-857-4141 1629 LEE CENTER ROAD
 F: 815-857-4242 AMBOY, ILLINOIS 61310

STANDARDS

STD 515001-04	NAME PLATE FOR BRIDGES
STD 631026-06	TRAFFIC BARRIER TERMINAL TYPE 5
STD 701901-11	TRAFFIC CTRL DEVICES
STD 720011-01	METAL POSTS FOR SIGNS
STD 728001-01	TELESCOPING SIGN SUPPORT
STD 729001-01	A & B METAL POSTS
STD BLR 21-9	TRAFFIC CTRL 2 LANE RURAL



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



AGENCY RESPONSIBLE FOR LETTING	
Approved:	<i>D.M. Anderson</i> LEE County Engineer Local Agency, Position
Passed:	February 20, 2026 <i>Shawn Williams</i> District 2 Engineer of Local Roads & Streets
Releasing for Bid Base on Limited Review	02/20/26 <i>Julia Thompson</i> Deputy Director of Highways, Region 2 Engineer

SUMMARY OF QUANTITIES
CONSTRUCTION TYPE CODE: 0010

GENERAL NOTES

CODE	DESCRIPTION	UNIT	QUANTITY
20300100	CHANNEL EXCAVATION	CY	105
20700110	POROUS GRANULAR EMBANKMENT	TON	148
25100630	EROSION CONTROL BLANKET	SY	2200
28100809	STONE DUMPED RIP RAP, CL A5	TON	411
28200200	FILTER FABRIC	SY	363
40200800	AGGREGATE SURFACE COURSE, TY B	TON	50
40600275	BITUMINOUS MATERIALS (PRIMECOAT)	LBS	1916
40604050	HOT MIX ASPHALT SC, IL 9.5, MIX C, N50	TON	136
40605020	P HMA SC SMA 9.5 C N50	TON	18
44000100	PAVEMENT REMOVAL	SY	887
48101200	AGGREGATE SHOULDERS, TYPE B	TON	40
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CY	110
50300225	CONCRETE STRUCTURES	CY	30.4
50300280	CONCRETE ENCASEMENT	CY	4.3
50300300	PROTECTIVE COAT	SY	10
50400505	P P CONC DECK BM 27" DP	SQ FT	1783
50800205	REINFORCEMENT BARS, EPOXY COAT	LBS	3980
* 50901050	STEEL RAILING, TYPE SM	FT	132
51200959	FURNISH METAL SHELL PILES 14"X0.312	FT	344
51202305	DRIVING PILES	FT	344
51203200	TEST PILE METAL SHELL	EACH	2
51500100	NAME PLATE	EACH	1
58100210	FULL LANE SEALANT WATERPROOF SY	SY	204
67100100	MOBILIZATION	LS	1
* 72501000	TERMINAL MARKER - DIRECTLY APPLIED	EACH	4
X2020410	EARTH EXCAVATION (SPECIAL)	CY	60
X2501000	SEEDING CLASS 2 (SPECIAL)	ACRE	0.06
X7010216	TRAF CONTR & PROTECTION (SPECIAL)	LS	1
Z0013798	CONSTRUCTION LAYOUT	LS	1

* SPECIALTY ITEM

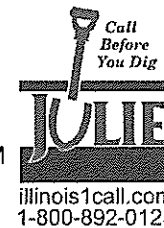
KNOWN UTILITIES WITHIN PROJECT AREA		
UTILITY	CONTACT	PHONE NUMBER
COMED	ADAMS MILES	630-774-9385
FRONTIER	KYLE BOHM	779-212-3229
UNION DRAIN #1 HAMILTON/HAHNAMAN DRAINAGE DISTRICT		
	DOUG EGAN	815-632-8756

- THE LATEST "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE CURRENT "SUPPLEMENTAL AND RECURRING SPECIAL PROVISIONS", THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AND THE "MANUAL OF TEST PROCEDURES OF MATERIALS" IN EFFECT AT THE TIME OF INVITATIONS TO BID, SHALL APPLY TO THIS PROJECT. ANY CONFLICT BETWEEN ANY PART(S) OF THE SPECIFICATIONS, THE HIERARCHY OF CONSTRUCTION DOCUMENTS SHALL FOLLOW THE ORDER SHOWN IN ARTICLE 105.05 OF THE STANDARD SPECIFICATIONS.
- PRIOR TO ANY WORK BEING PERFORMED, THE LEE COUNTY HIGHWAY DEPARTMENT (PHONE: 815-857-4141) SHALL BE GIVEN A MINIMUM OF 48 HOUR NOTICE BEFORE OF THE START OF WORK. FAILURE TO DO SO MAY RESULT IN PENALTIES ON WORK PERFORMED UP TO 48 HOURS AFTER NOTICE WAS GIVEN INCLUDING: 1. REFUSAL OF PAYMENT FOR SAID WORK. 2. DEDUCTIONS OF PAYMENT TO THE CONTRACTOR. 3. REMOVAL OF AND RECONSTRUCTION OF SAID WORK, AT THE CONTRACTOR'S EXPENSE.
- IF THE WORK REQUIRES A ROAD CLOSURE, THE CONTRACTOR SHALL NOTIFY THE LEE COUNTY SHERIFF'S OFFICE (PHONE: 815-284-6631) OF THE CLOSURE A MINIMUM 48 HOURS PRIOR TO CLOSING THE ROAD.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT WHILE THE HIGHWAY DEPARTMENT HAS MADE A GOOD FAITH EFFORT TO IDENTIFY AND SHOW ALL UTILITIES ON THESE PLANS, THE DEPARTMENT CANNOT GUARANTEE THAT ALL UTILITIES ARE SHOWN.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE ALL UTILITIES MARKED ON THE JOBSITE PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO ENSURE THAT THE UTILITY MARKS REMAIN VISIBLE THROUGHOUT THE CONSTRUCTION PERIOD. FOR UTILITY LOCATING, CALL JULIE AT 811 OR 1-800-892-0123 AT LEAST 2 BUSINESS DAYS PRIOR TO STARTING WORK.
- ANY UTILITY THAT IS IN THE WAY OF THE IMPROVEMENT SHALL BE MOVED BY THE UTILITY'S OWNER (OR DESIGNATED AGENT) PRIOR TO CONSTRUCTION AND SHALL NOT BE APART OF THIS CONTRACT. THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE UTILITY TO MAKE THE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION.
- THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES (INCLUDING FIELD TILES) AS SHOWN ON THESE PLANS ARE NOT TO BE TAKEN AS EXACT. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING OPERATIONS NEAR THEM TO PREVENT DAMAGE.
- THE CONTRACTOR SHALL ENSURE THAT ALL STREAMS, STORM SEWERS, PIPE, DRAIN AND TILES FLOWS SHALL BE MAINTAINED THROUGHOUT THE PROJECT UNLESS OTHERWISE STATED IN THESE PLANS, THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
- IF FIELD TILE IS ENCOUNTERED, STORM SEWER OR PIPE DRAIN WILL BE USED IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS, SECTION OR SUBSECTION MONUMENTS ENCOUNTERED, UNTIL AN OWNER, AUTHORIZED AGENT, OR AN ILLINOIS LICENSE SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY PROPERTY MARKS, SECTION OR SUBSECTION MONUMENTS, UNLESS

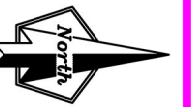
- REFERENCED, DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- TREES LESS THAN 6" IN DIAMETER HAVE NOT BEEN SHOWN ON THESE PLANS. ANY TREE(S) THAT ARE LESS THAN 6" AND ARE TO BE REMOVED, THE COST OF THE REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE OF EARTH EXCAVATION (SPECIAL) UNLESS OTHERWISE NOTED IN THESE PLANS OR IN THE SPECIAL PROVISIONS.
- THE FINAL TOP 4" OF SOIL IN ANY AREA DISTURBED BY THE CONTRACTOR MUST BE ABLE TO SUPPORT VEGETATION COMPLYING WITH SECTION 211 OF THE STANDARD SPECIFICATIONS.
- EXISTING MAILBOXES, STREET SIGNS, TRAFFIC SIGNS AND OTHER OBJECTS DESIGNATED BY THE ENGINEER THAT ARE WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED AND RESET BY THE CONTRACTOR. THE COST OF REMOVING AND RESETTING SHALL BE INCLUDED IN THE UNIT COST OF EARTH EXCAVATION SPECIAL UNLESS OTHERWISE SHOWN IN THESE PLANS OR THE SPECIAL PROVISIONS.
- CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE ENGINEER GRANTS PERMISSION TO REMOVE THEM.
- THE CONTRACTOR SHALL REGULARLY INSPECT THE TRAFFIC CONTROL DEVICES AT LEAST ONCE A WEEK, TO INSURE THAT ALL REQUIRED DEVICES ARE VISIBLE TO DRIVERS AND IN GOOD WORKING ORDER. IF ANY DISCREPANCIES ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY MAKE ARRANGEMENTS TO HAVE THEM CORRECTED AS SOON AS POSSIBLE. IF DETERMINED NECESSARY BY THE ENGINEER, FURTHER INSPECTION REQUIREMENTS MAY BE MODIFIED OR ADDED AT HIS/HER DISCRETION. THE ENGINEER SHALL BE THE FINAL JUDGE ON WHETHER A TRAFFIC CONTROL DEVICE IS VISIBLE AND IN GOOD WORKING ORDER.
- UNLESS STATED OTHERWISE IN THESE PLANS, IN THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE FLAGGERS WHENEVER A TRAFFIC LANE(S) CLOSURE IS REQUIRED. FLAGGERS ARE NOT REQUIRED IF THE ADJACENT ROADWAY IS CLOSED TO ALL TRAFFIC.
- ALL EROSION CONTROL MEASURES PROPOSED FOR THIS PROJECT, UNLESS OTHERWISE STATED IN THESE PLANS, IN THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER, SHALL BE INSTALLED PRIOR TO ANY ACTIVITIES THAT DISTURB SOIL AREAS.
- ALL DISTURBED AREAS, UNLESS OTHERWISE STATED IN THESE PLANS, IN THE SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER, SHALL BE SEEDED TO THE SATISFACTION OF THE ENGINEER.
- SHOULD A DISCREPANCY BE FOUND IN THESE PLANS OR IN THE SPECIAL PROVISIONS, THE ISSUE SHOULD BE BROUGHT TO THE ENGINEER IMMEDIATELY. THE ENGINEER SHALL THEN MAKE A DETERMINATION ON HOW TO PROCEED.
- EXCEPT WHEN REQUIRED BY THESE PLANS OR DIRECTED BY THE ENGINEER; OPENING OF THE CREEK BERMS WILL NOT BE PERMITTED.
- THE CONTRACTOR OR THE CONTRACTOR'S SURVEYOR SHALL VERIFY THE PLAN POINTS ALIGN WITH THE FIELD CONTROL POINTS PRIOR TO PERFORMING CONSTRUCTION LAYOUT. IF ANY DISCREPANCIES ARE FOUND, THE ENGINEER SHALL BE NOTIFIED.



JULIE LOCATION INFO
COUNTY: LEE
TOWNSHIP: 19N, R8E 4th PM
SECTION #: 32 (W) & 33 (E)



INDIAN HEAD BRIDGE 25-00365-00-BR		REVISIONS	
		DATE	REVISION MADE
GENERAL NOTES		2/12/2026	PER IDOT COMMENTS
		2/20/2026	PER IDOT COMMENTS
SHEET NO. 2 OF 19			
DATE: 10/8/2025	DRAWN BY: BMT	CHECKED BY: DA	



BENCHMARKS

BM1: STA. 10+38.42 31.35' RT
NAIL STEM IN POWER POLE
ELEV. 659.20

BM2: STA. 10+35.82 37.16' LT
NAIL STEM IN POWER POLE
ELEV. 658.29

NOTE: BENCHMARKS ARE FOR
ELEVATION CONTROL ONLY.

CONTROL POINTS

CONTROL POINT 1: STA. 7+71.51 0.00' LT
PK NAIL IN ROADWAY
N: 1,794,294.75 E: 2,453,500.81 ELEV: 659.44

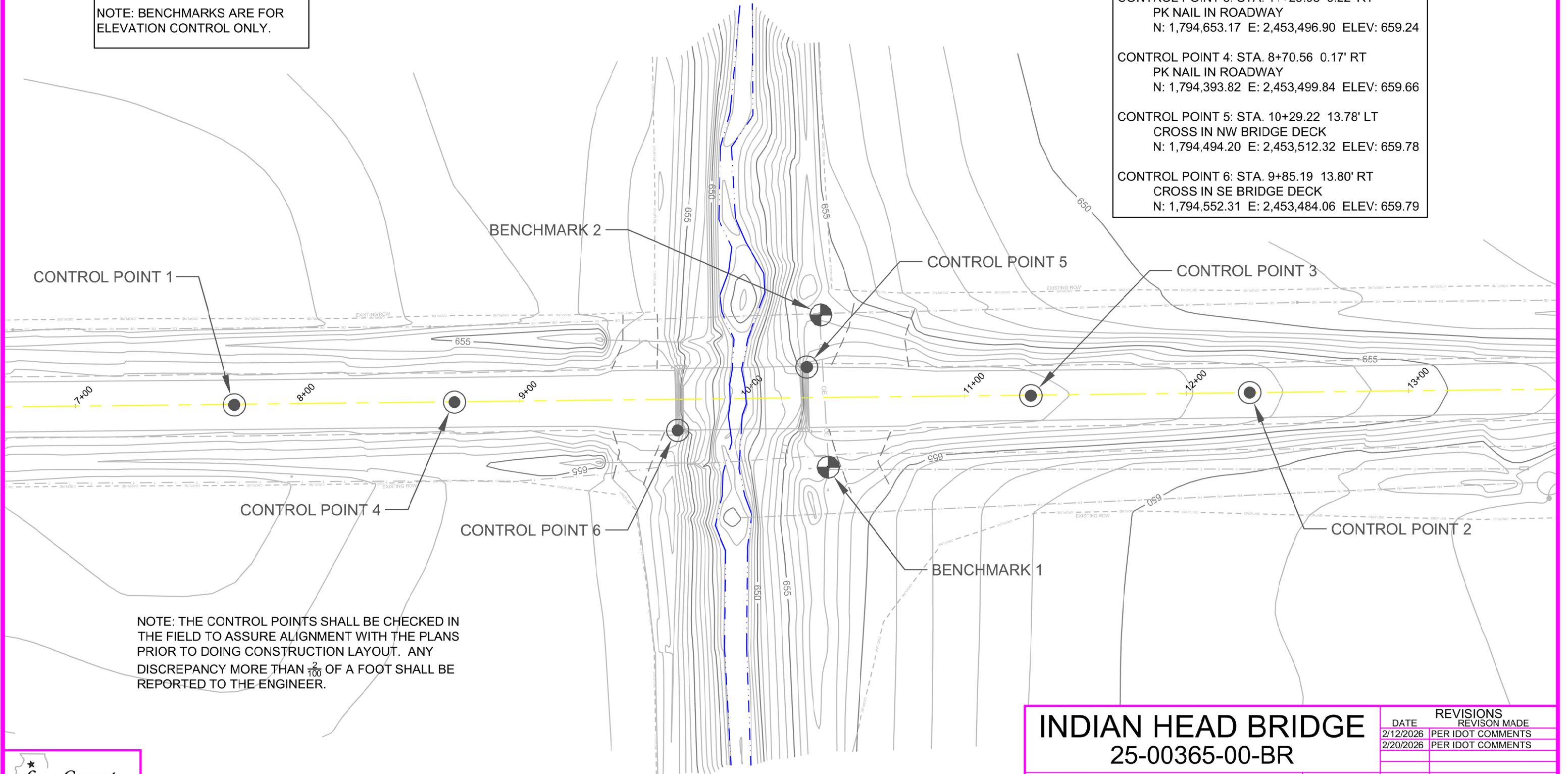
CONTROL POINT 2: STA. 12+28.42 0.00' RT
PK NAIL IN ROADWAY
N: 1,794,751.66 E: 2,453,495.55 ELEV: 657.39

CONTROL POINT 3: STA. 11+29.93 0.22' RT
PK NAIL IN ROADWAY
N: 1,794,653.17 E: 2,453,496.90 ELEV: 659.24

CONTROL POINT 4: STA. 8+70.56 0.17' RT
PK NAIL IN ROADWAY
N: 1,794,393.82 E: 2,453,499.84 ELEV: 659.66

CONTROL POINT 5: STA. 10+29.22 13.78' LT
CROSS IN NW BRIDGE DECK
N: 1,794,494.20 E: 2,453,512.32 ELEV: 659.78

CONTROL POINT 6: STA. 9+85.19 13.80' RT
CROSS IN SE BRIDGE DECK
N: 1,794,552.31 E: 2,453,484.06 ELEV: 659.79



NOTE: THE CONTROL POINTS SHALL BE CHECKED IN THE FIELD TO ASSURE ALIGNMENT WITH THE PLANS PRIOR TO DOING CONSTRUCTION LAYOUT. ANY DISCREPANCY MORE THAN $\frac{2}{100}$ OF A FOOT SHALL BE REPORTED TO THE ENGINEER.



INDIAN HEAD BRIDGE
25-00365-00-BR

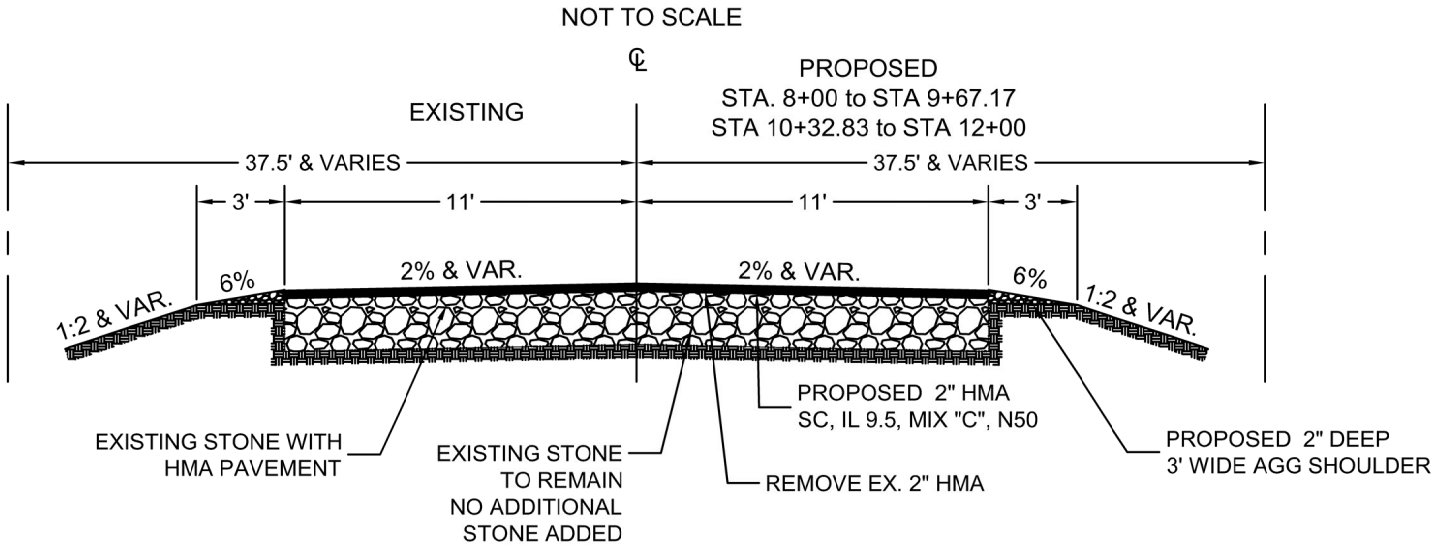
CONTROL POINTS

SHEET NO.
3 OF 19

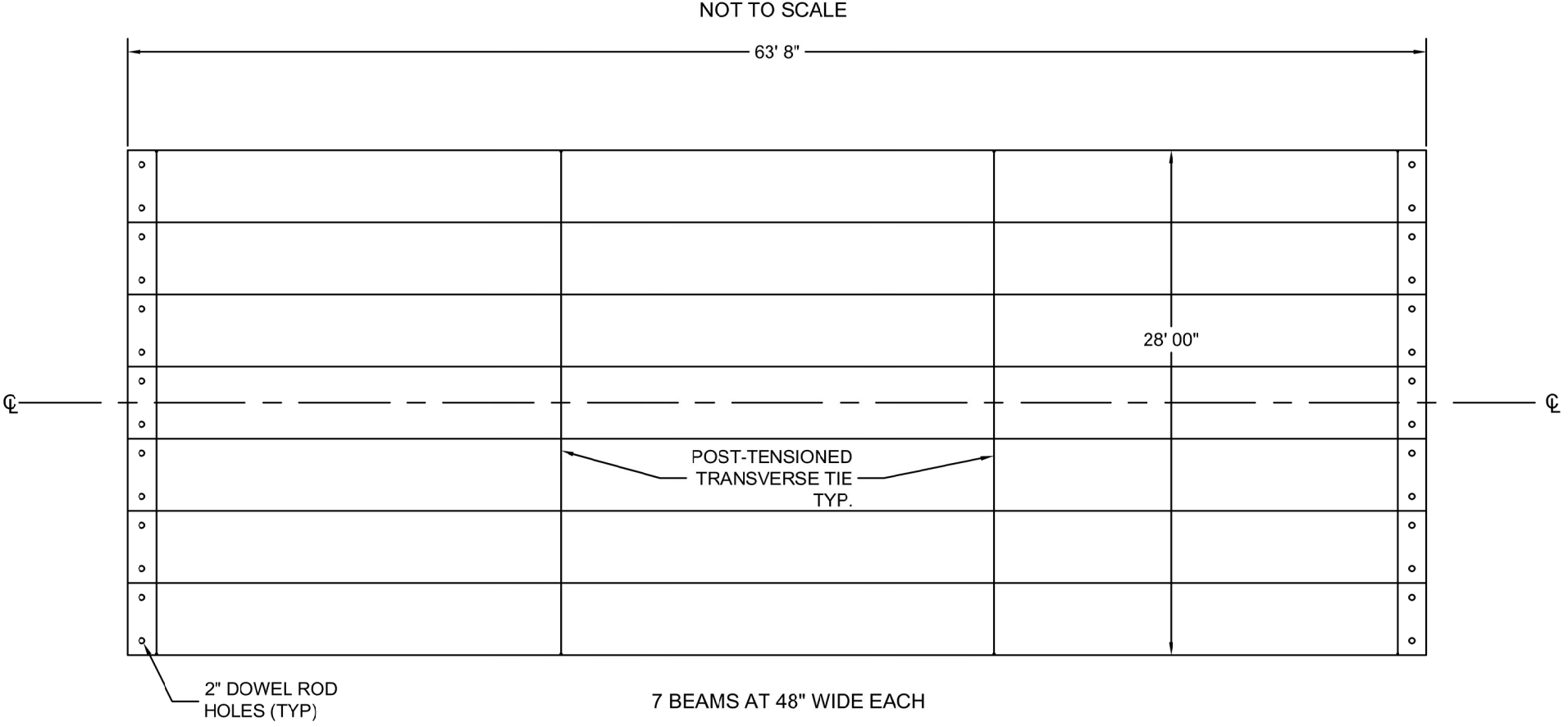
DATE: 10/8/2025 DRAWN BY: BMT CHECKED BY: DA

REVISIONS	
DATE	REVISION MADE
2/12/2026	PER IDOT COMMENTS
2/20/2026	PER IDOT COMMENTS

TYPICAL INDIAN HEAD ROAD PAVEMENT X-SECTION



BEAM PLAN



NOTE: BEAM DRAIN HOLES SHALL BE FULLY OPEN PRIOR TO ARRIVAL ONSITE.

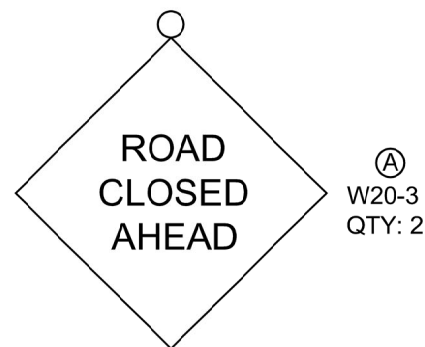
Location & Mixture Use:	Mainline	Bridge
	Surface	Surface
PG:	PG 58-28	PG 58-28
Design Air Voids	4.0 @ N50	4.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5	SMA IL 9.5
Friction Aggregate	C	C
Mix Unit Weight	112 LBS / SY / IN.	112 LBS / SY / IN.
Quality Management Program	QC/QA	QC/QA
Sublot Size	N/A	N/A
Material Transfer Device	N/A	N/A



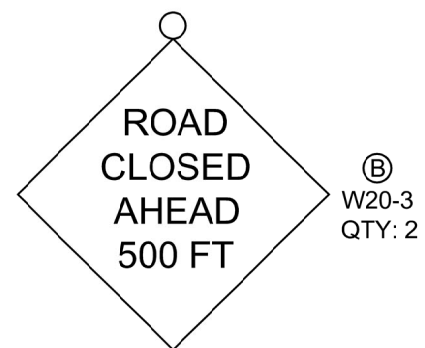
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		DATE	REVISION MADE
TYPICAL SECTIONS		2/12/2026	PER IDOT COMMENTS
		2/20/2026	PER IDOT COMMENTS
SHEET NO. 4 OF 19			
DATE: 10/8/2025	DRAWN BY: BMT	CHECKED BY: DA	



ROAD CONSTRUCTION SIGNS



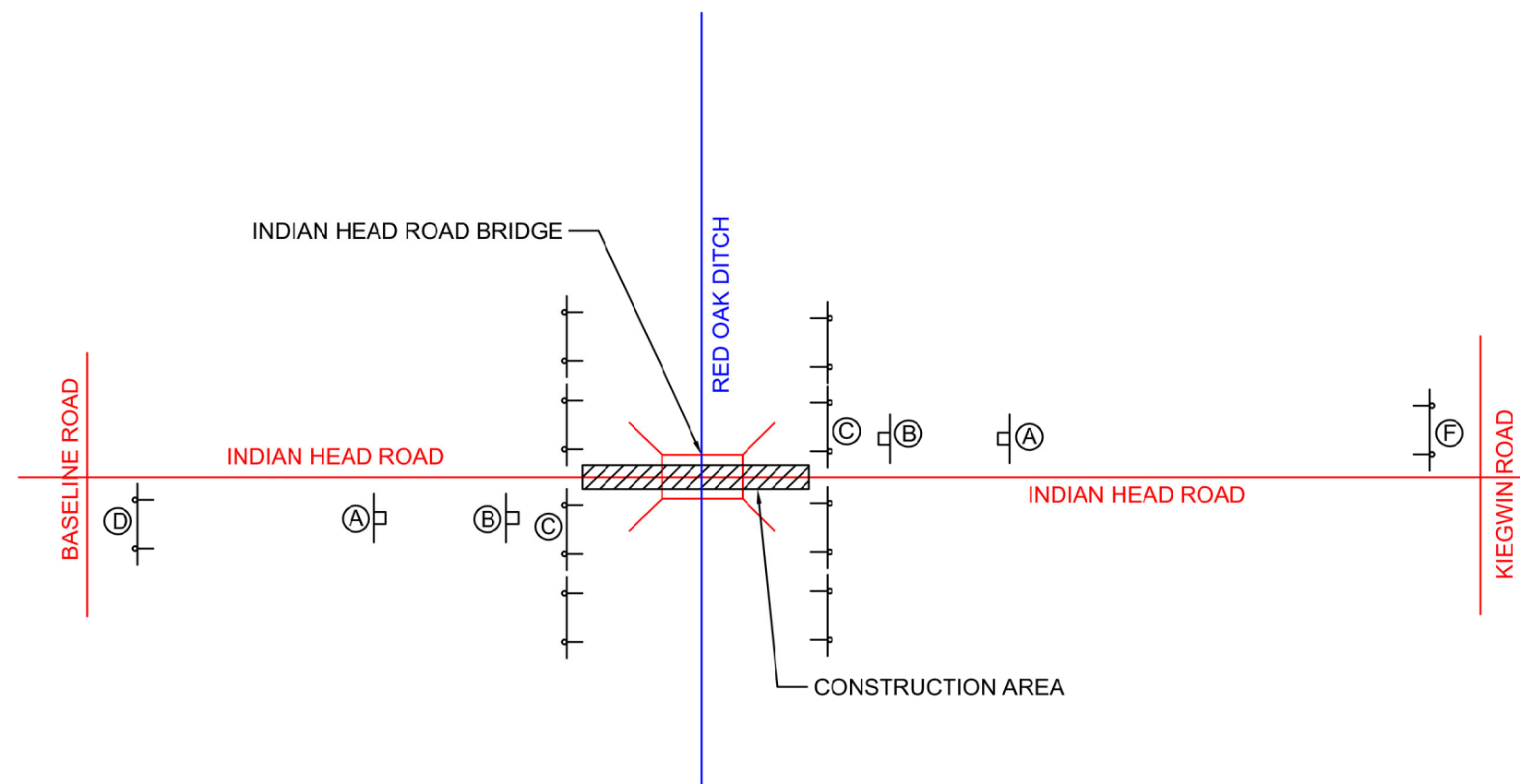
SIGN AND BARRICADE TO BE PLACED ON ROAD SHOULDER



SIGN ATTACHED TO BARRICADE

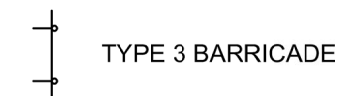


SIGN AND BARRICADE TO BE PLACED ON ROAD SHOULDER

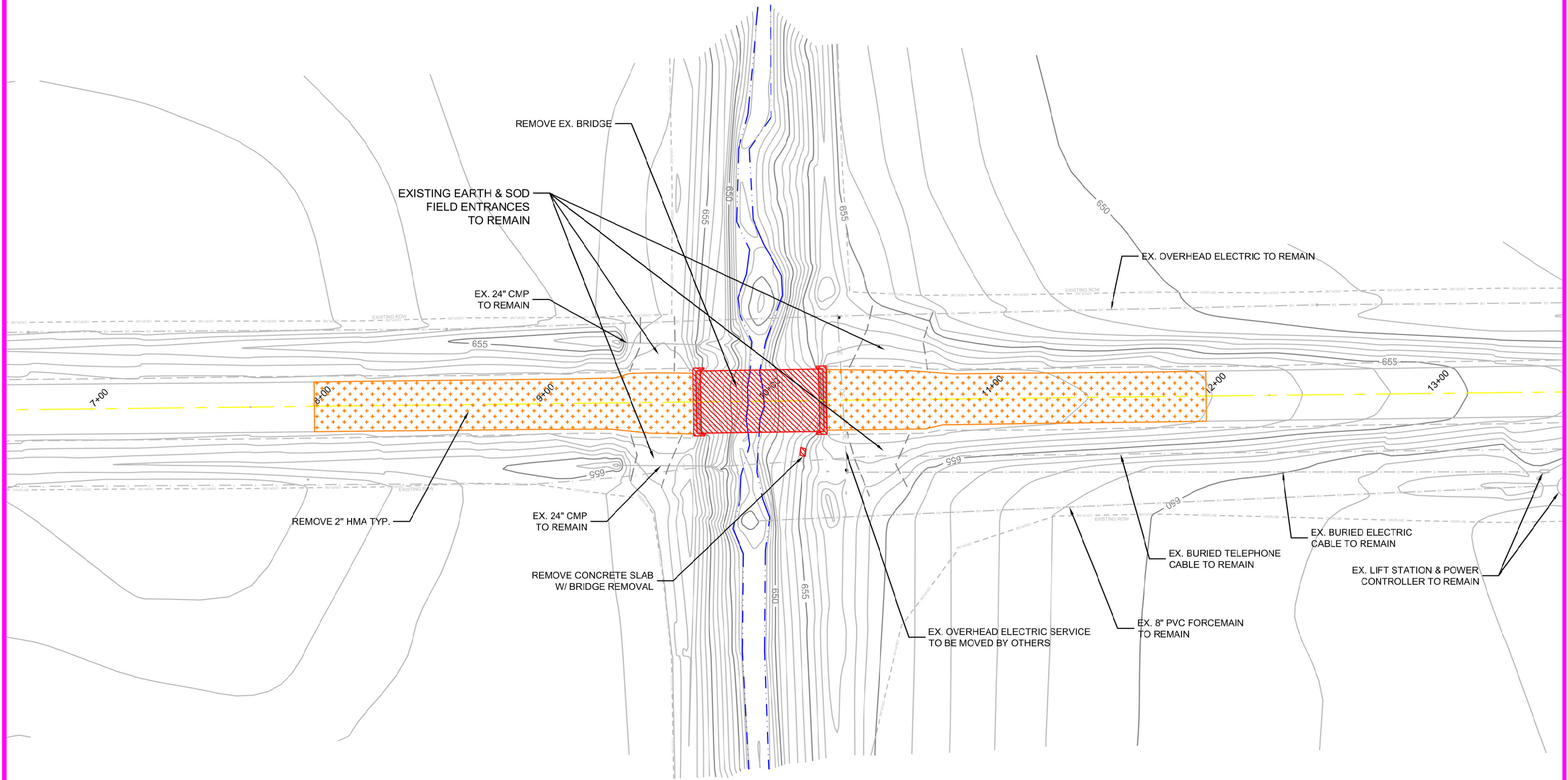
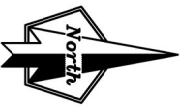


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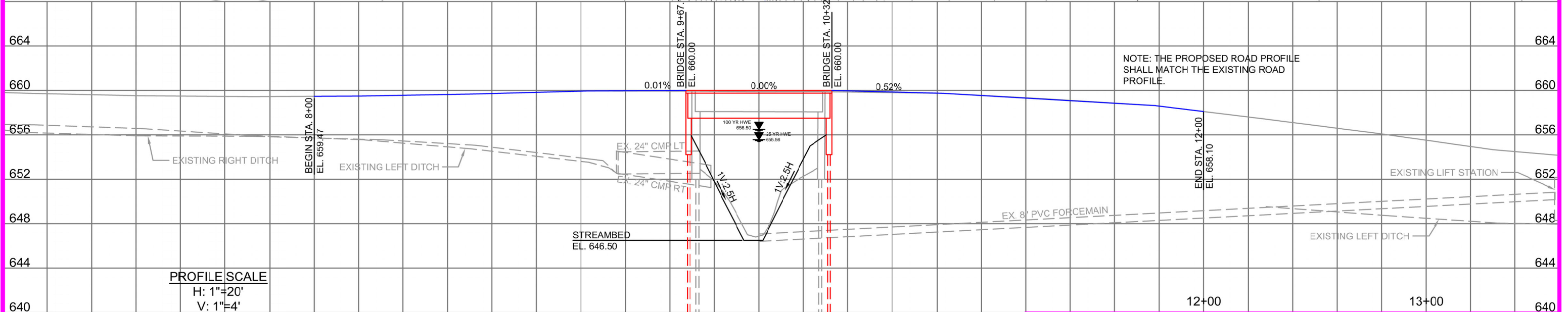
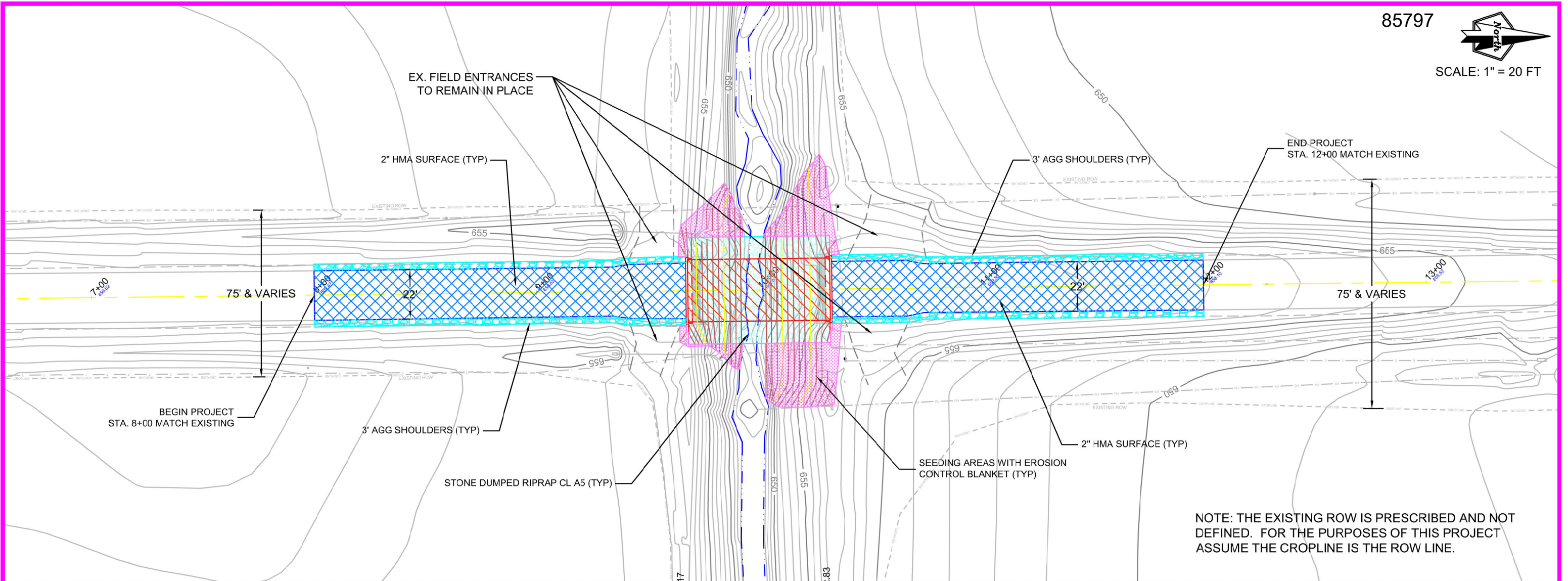
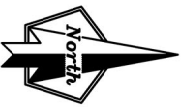
1. SEE IDOT TRAFFIC CONTROL STANDARDS 701901 AND BLR 21-9 FOR FOR SPECIFIC SIGN LAYOUT DETAILS.
2. ALL SIGNS SHALL BE CLEAN AND CLEARLY VISIBLE TO DRIVERS. ALL SIGNS SHALL MEET MUTCD STANDARDS.
3. DAMAGED SIGNS AND BARRICADES SHALL BE REPLACED IN A TIMELY MANNER.
4. TYPE 3 BARRICADES SHALL BE IN GOOD CONDITION AND MEET MUTCD STANDARDS.



INDIAN HEAD BRIDGE 25-00365-00-BR		REVISIONS	
		DATE	REVISION MADE
TRAFFIC CONTROL		2/12/2026	PER IDOT COMMENTS
		2/20/2026	PER IDOT COMMENTS
SHEET NO. 5 OF 19			
DATE: 10/8/2025	DRAWN BY: BMT	CHECKED BY: DA	



INDIAN HEAD BRIDGE 25-00365-00-BR		DEMO SHEET		SHEET NO. 6 OF 19																
		DATE: 10/8/2025	DRAWN BY: BMT	CHECKED BY: DA	<table border="1"> <thead> <tr> <th colspan="2">REVISIONS</th> </tr> <tr> <th>DATE</th> <th>REVISION MADE</th> </tr> </thead> <tbody> <tr> <td>2/12/2026</td> <td>PER IDOT COMMENTS</td> </tr> <tr> <td>2/20/2026</td> <td>PER IDOT COMMENTS</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS		DATE	REVISION MADE	2/12/2026	PER IDOT COMMENTS	2/20/2026	PER IDOT COMMENTS						
REVISIONS																				
DATE	REVISION MADE																			
2/12/2026	PER IDOT COMMENTS																			
2/20/2026	PER IDOT COMMENTS																			



INDIAN HEAD BRIDGE 25-00365-00-BR

PLAN & PROFILE

DATE: 10/8/2025

DRAWN BY: BMT

CHECKED BY: DA

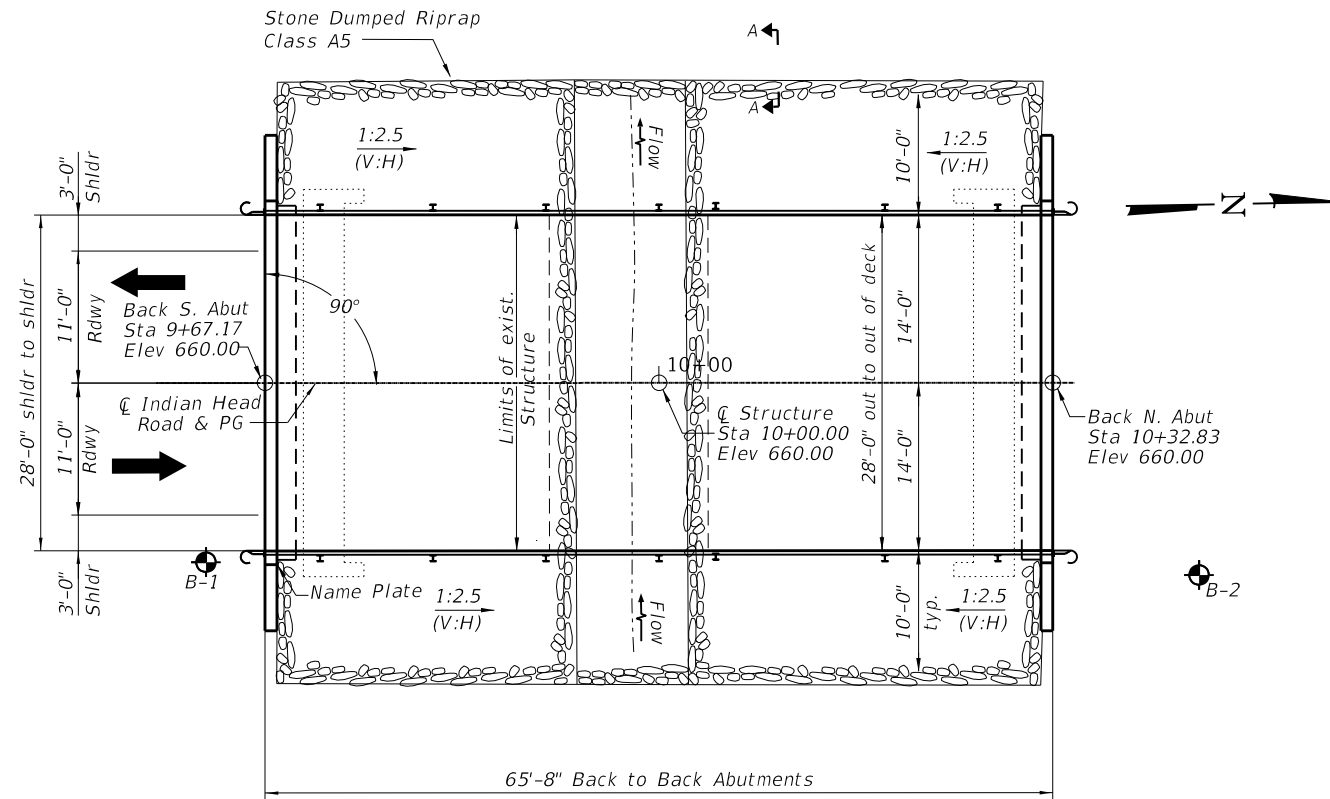
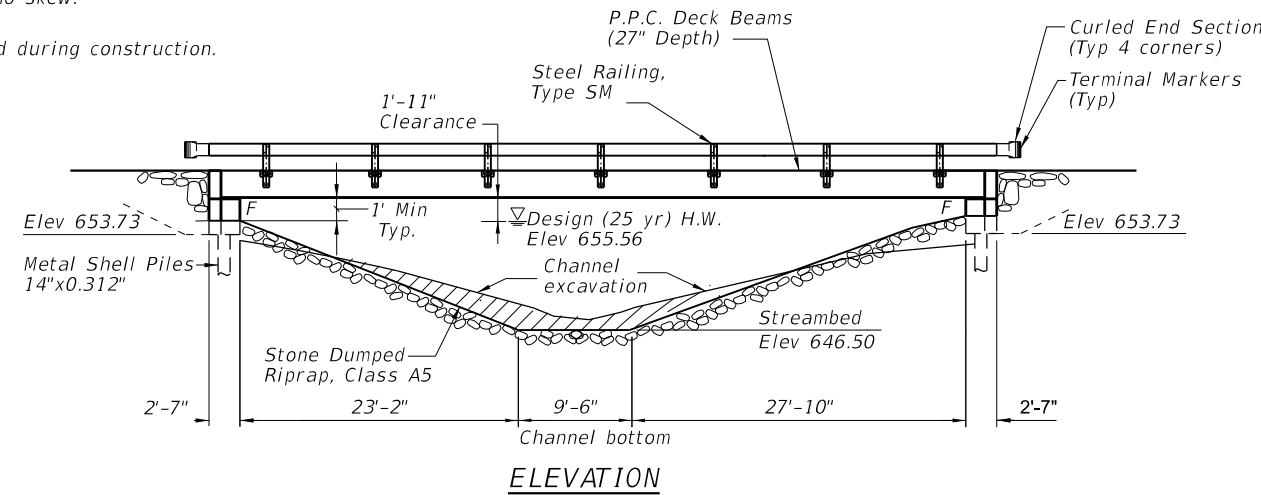
SHEET NO. 7 OF 19

DATE	REVISION	REVISION MADE
2/12/2026	PER IDOT COMMENTS	
2/20/2026	PER IDOT COMMENTS	

Existing Bridge; S.N. 052-3329
The existing bridge is a 60'-0" long Bk-Bk abutments 27'-8" Out-to-Out CIP concrete beam and deck.

Structure to be replaced with 65'-8" long Bk-Bk single span PPC Deck Beam bridge on metal shell piles with no skew.

Road to be closed during construction.



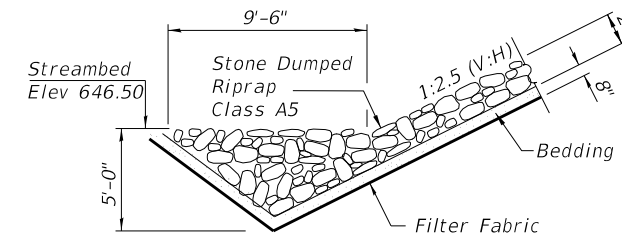
WATERWAY INFORMATION

Drainage Area = 6.783 sq. mi.

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	25	1080	302	283	655.43	0.26	0.13	655.69	655.56
Base	100	1540	365	338	656.40	0.43	0.10	656.83	656.50
Scour	500	2100	N/A	390	657.30	0.70	0.04	658.00	657.34

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- 2 Superstructure
- 3 Steel Railing, Type SM
- 4 27"x48" PPC Deck Beam
- 5 27"x48" PPC Deck Beam Details
- 6 Abutments
- 7 Metal Shell Pile Details
- 8-11 Soil Boring Logs

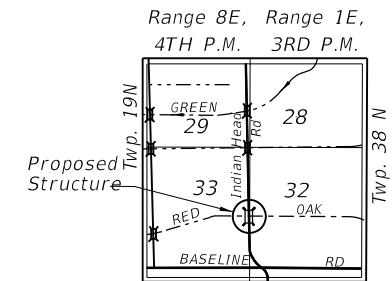
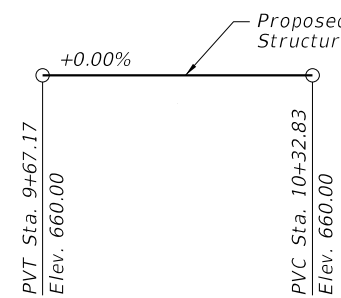


TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Porous Granular Embankment	Ton	148
Stone Dumped Riprap, Class A5	Ton	411
Filter Fabric	Sq Yd	363
Polymerized Hot-Mix Asphalt Surface Course, Stone Matrix Asphalt, 9.5, MIX "C", N50	Ton	35
Removal of Existing Structures	Each	1
Structure Excavation	Cu Yd	110
Concrete Structures	Cu Yd	30.4
Concrete Encasement	Cu Yd	4.3
Protective Coat	Sq Yd	10
Precast Prestressed Concrete Deck Beams (27" Depth)	Sq Ft	1,783
Reinforcement Bars, Epoxy Coated	Pound	3,980
Steel Railing, Type SM	Foot	132
Furnishing Metal Shell Piles 14X0.312	Foot	344
Driving Piles	Foot	344
Test Pile Metal Shells	Each	2
Name Plates	Each	1
Full Lane Sealant Waterproofing System	Sq Yd	204
Terminal Marker - Direct Applied	Each	4

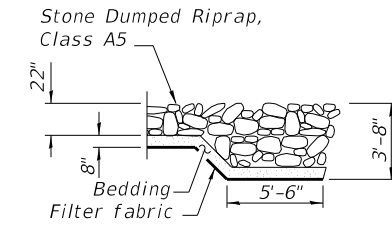
DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.)		Item 113
	W. Abut.	E. Abut.	
Q100	653.92	653.92	8
Q200	653.92	653.92	
Design	653.92	653.92	
Check	653.92	653.92	



GENERAL NOTES:

Layout of slope protection system may be varied in the field to suit ground conditions as directed by the ENGINEER. All Construction joints shall be bonded. Reinforcement bars designated (E) shall be epoxy coated.



LOADING HL-93

Allow 50 lb/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (reinforcement)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (1/2" Ø low-relaxation strands)
fpbt = 201,960 psi (1/2" Ø low-relaxation strands)

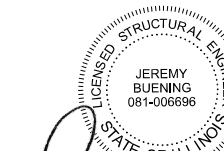
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec (S_{D1}) = 0.107g
Design Spectral Acceleration at 0.2 sec (S_{D5}) = 0.144g
Soil Site Class = D

INDIAN HEAD ROAD BRIDGE
OVER RED OAK DITCH
BUILT 2026 BY
LEE COUNTY
SEC. 25-00365-00-BR STA. 10+00.00
STR. NO. 052-3333 LOADING HL-93

NAME PLATE

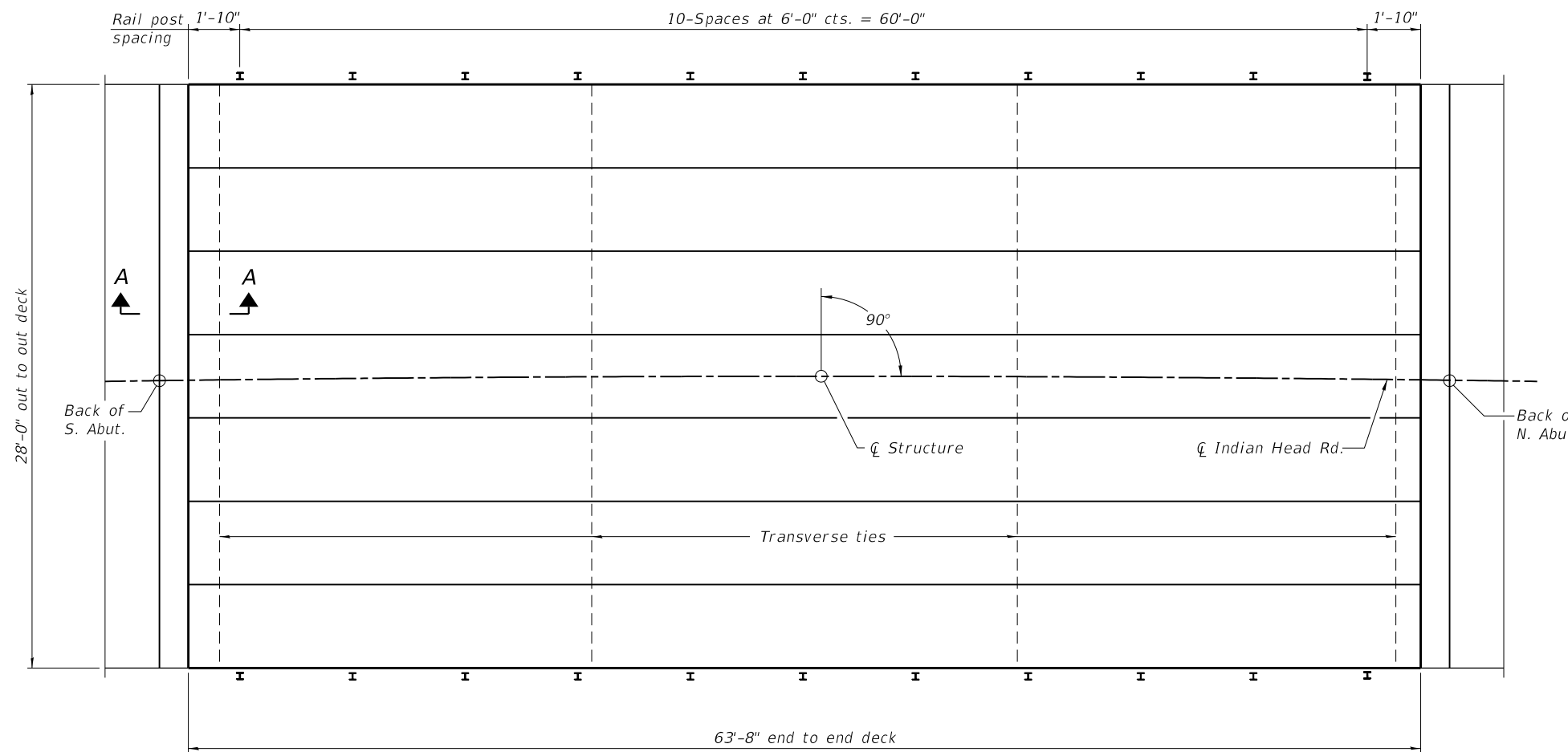
See Std. 515001



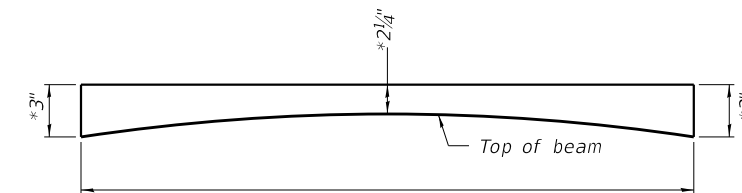
Jeremy Buening, P.E., S.E. Date 2/20/26
License Expires 11/30/27

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the AASHTO LRFD Bridge Design Specifications.

*Indicates total thickness. See Special Provision for overlay sequence with FLS.

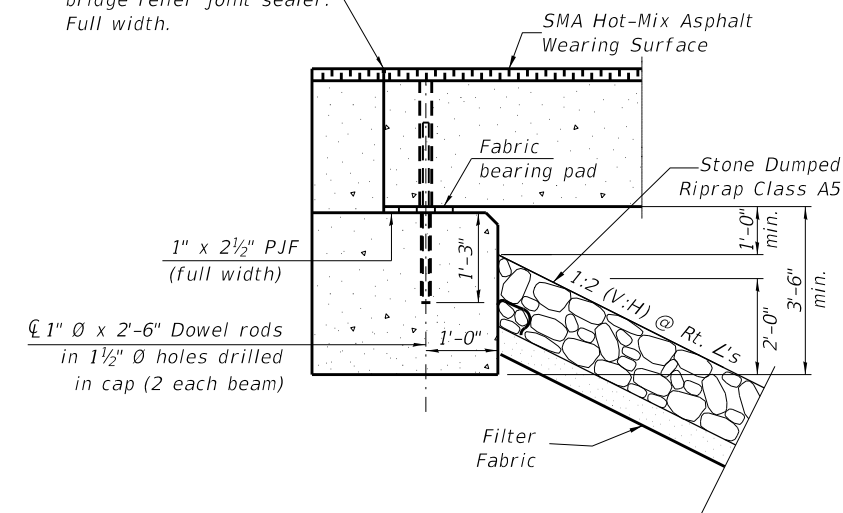


PLAN

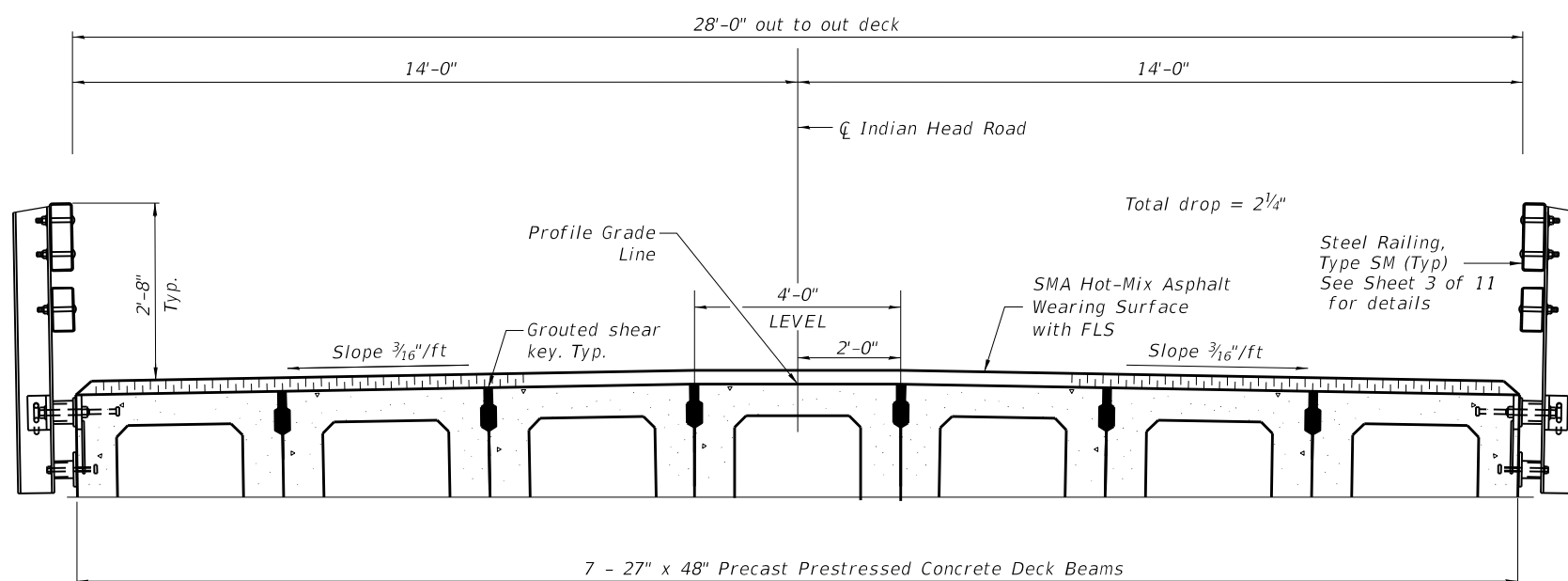


ANTICIPATED HMA WEARING SURFACE PROFILE
(For information only)

1/4" x 3/4" Sawn joint with bridge relief joint sealer. Full width.



SECTION A-A



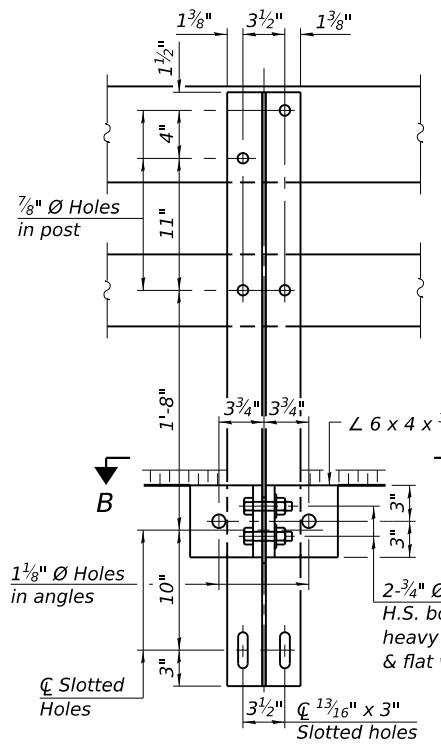
CROSS SECTION
(Looking North)

BILL OF MATERIAL

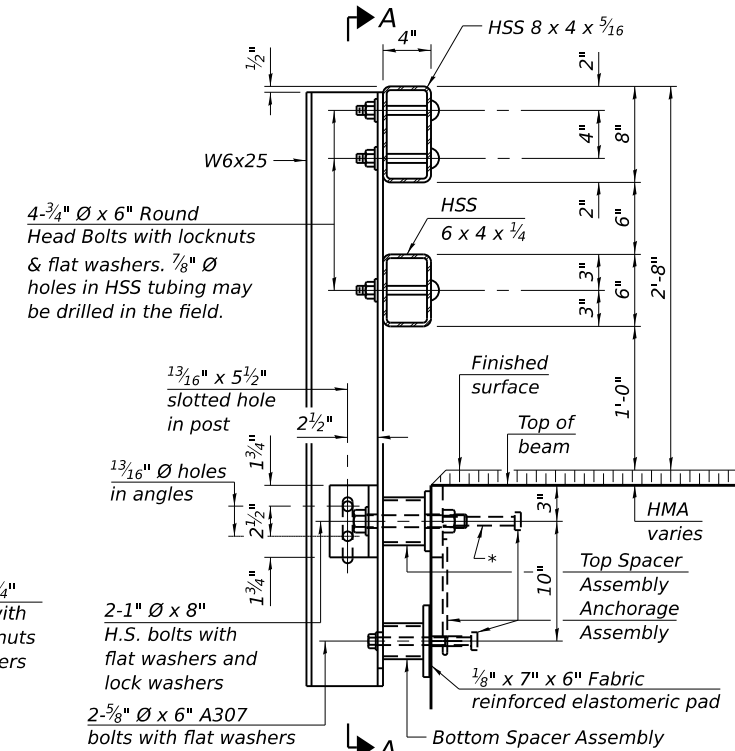
ITEM	UNIT	QUANTITY
Polymerized Hot-Mix Asphalt Surface Course, Stone Matrix Asphalt, 9.5, Mix "C", N50	Ton	35
Full Lane Sealant Waterproofing System	Sq Yd	204

Notes:
See sheet 5 of 11 for fabric bearing pad details.

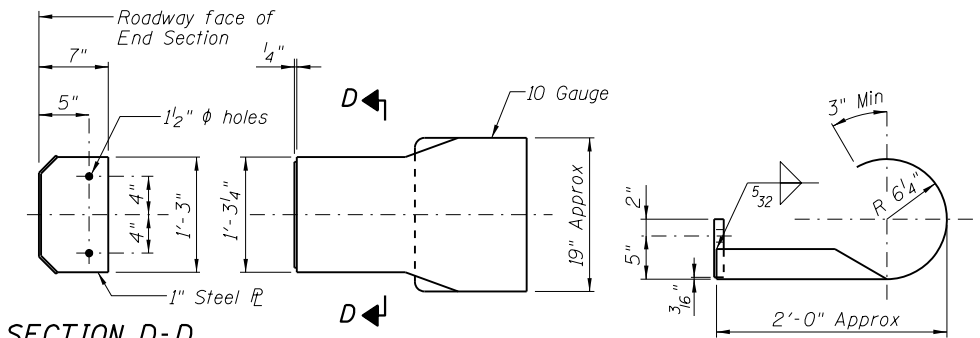
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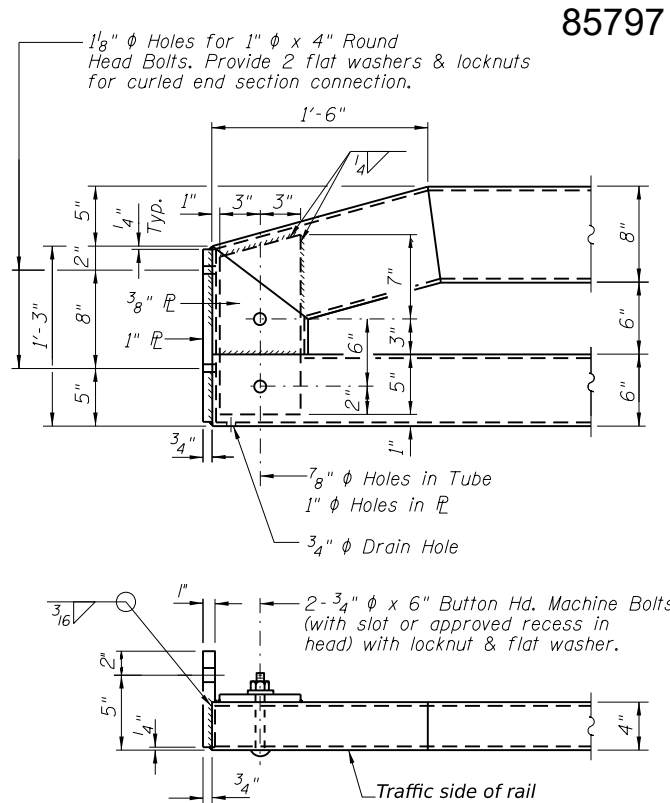
SECTION A-A



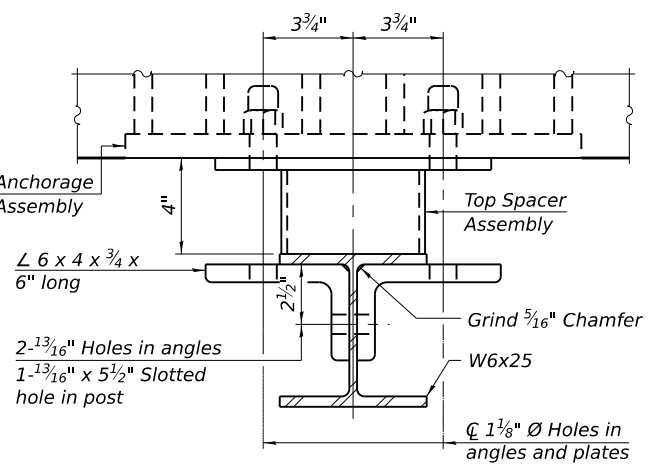
SECTION AT RAIL POST



SECTION D-D
DETAILS OF CURLED END SECTION - 2 EACH
(Cost included with Steel Railing, Type SM)

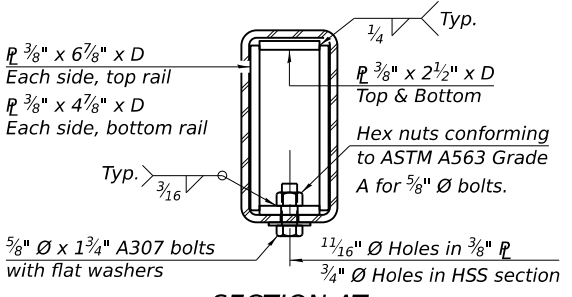


END OF RAIL DETAILS

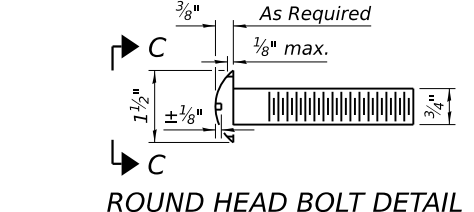


SECTION B-B

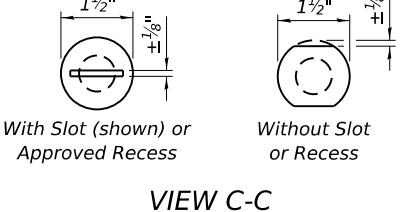
* The outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchorage assembly. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.



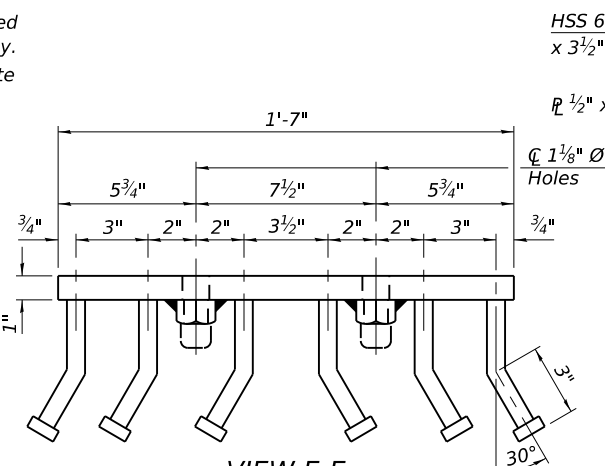
SECTION AT RAIL SPLICE



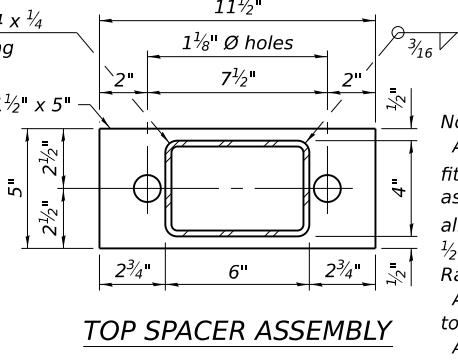
ROUND HEAD BOLT DETAIL



VIEW C-C

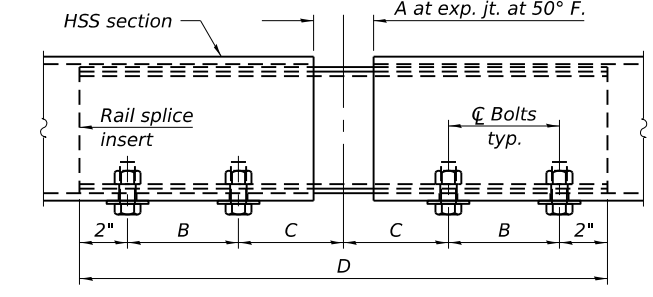


VIEW E-E

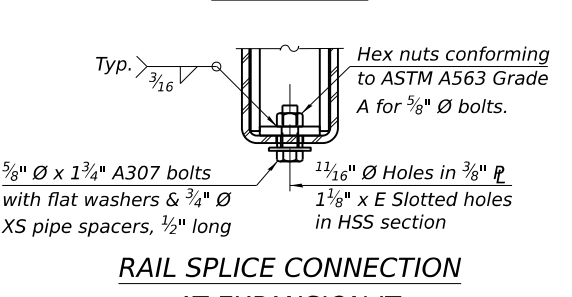


TOP SPACER ASSEMBLY

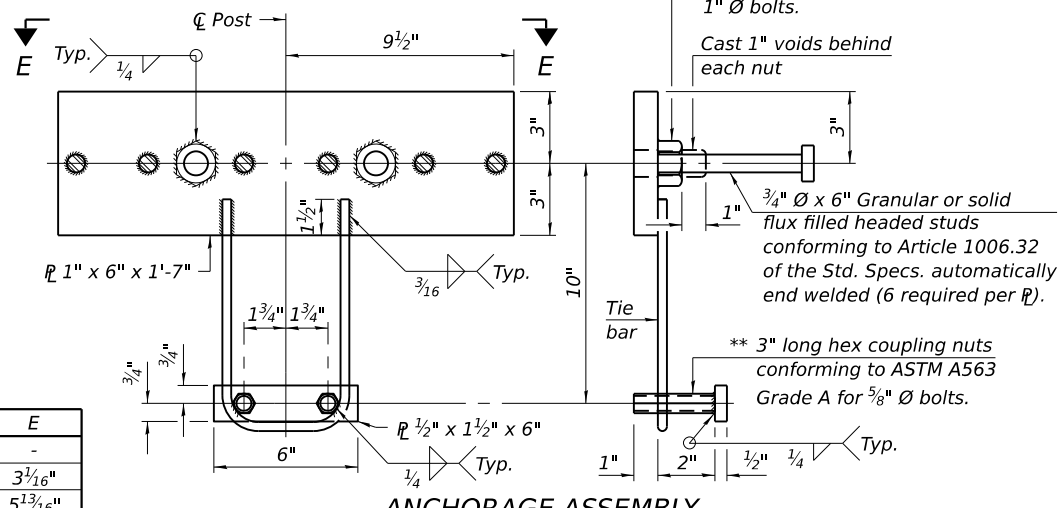
Notes:
A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, 5" x 11 1/2", and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than 1/4" (top) or 1/2" (bottom), longer bolts are required. Cost included with Steel Railing, Type SM.
All steel rail elements including shims shall be galvanized according to Article 509.05 of the Standard Specifications.
All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.
Rail splice inserts may be built out of 2-3/8" bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.
All round head bolts shall be ASTM A307 with locknuts according to ASTM A563 grade A.
Tie bars shall be #4 reinforcement bar or 1/2" diameter ASTM F1554-55 round bar.



RAIL SPLICE ELEVATION

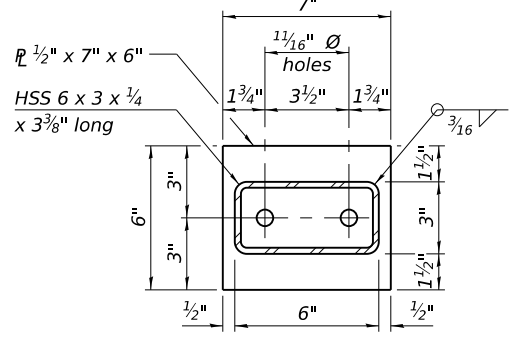


RAIL SPLICE CONNECTION AT EXPANSION JT.



ANCHORAGE ASSEMBLY

** Threaded areas shall be plugged or blocked off during casting of concrete.



BOTTOM SPACER ASSEMBLY

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	132

RAILING CRITERIA

MASH 2016 Test Level	2
Railing Weight (plf)	90
Min P _c (psi)	5,000
Max Post Spacing	6'-3"
HMA thickness range (in)	1 1/4" - 3 1/8"

SPLICE DIMENSIONS

Location	T	A	B	C	D	E
All locs. not over exp. jts.	0	1/4"	4"	4"	1'-8"	-
Over Strip Seal Jt.	≤ 4"	2 1/2"	4 5/8"	4 3/8"	1'-10"	3 1/2"
Over Finger or Modular Jt.	≤ 9 1/2"	5 1/2"	7 3/8"	7 1/4"	2'-9 1/4"	5 1 3/16"
Over Finger or Modular Jt.	≤ 15"	8 1/4"	10 1/8"	10"	3'-8 1/4"	8 9/16"

T = ; total movement along centerline of roadway at expansion joint.

FILE NAME = R-34HMAWS.dgn
R:\P\J\County\9650 Lee Co Indian Head Bridge\CADD\CADD_Structural\3-Railing.dgn

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

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DESIGNED AS
DRAWN AS
CHECKED JB
DATE 1/30/2026

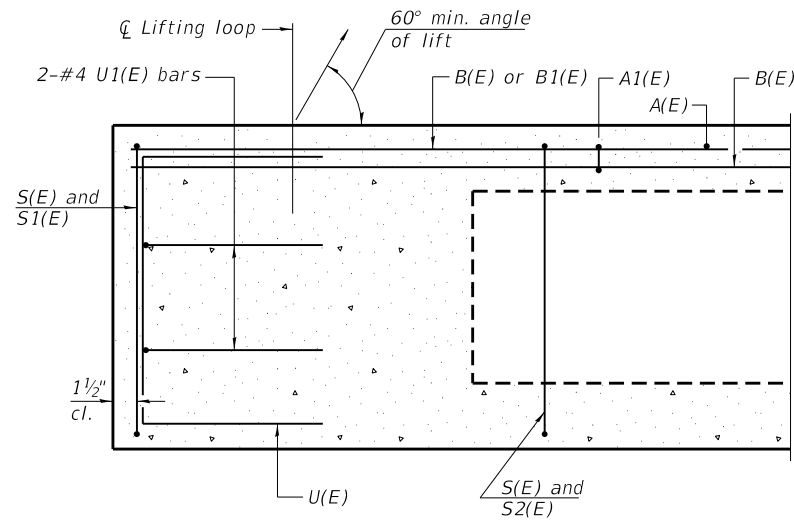
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
LEE COUNTY HIGHWAY DEPARTMENT

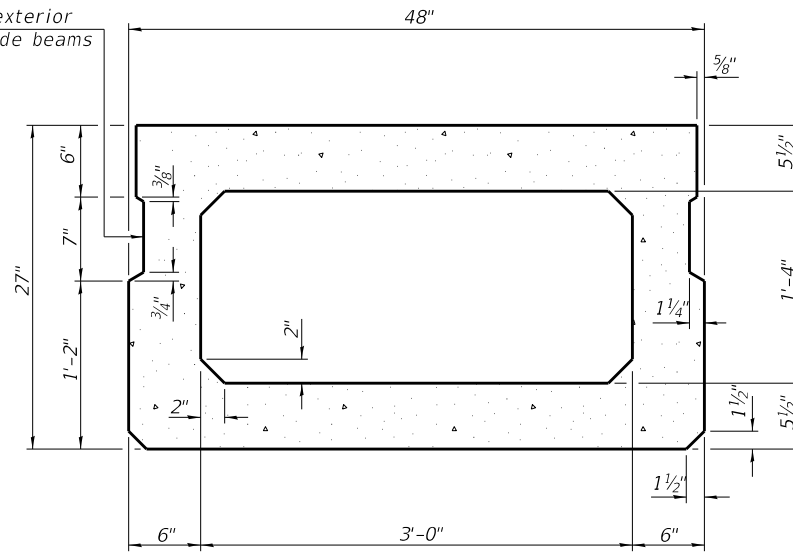
STEEL RAILING, TYPE SM
INDIAN HEAD ROAD BRIDGE
SHEET NO. 3 OF 11 SHEETS

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
188	25-00365-00-BR	LEE	19	10

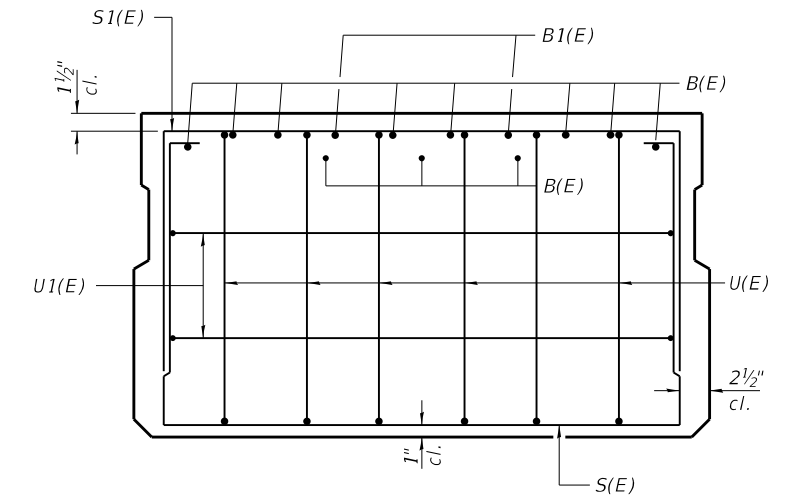
CONTRACT NO.
ILLINOIS STRUCTURE 052-3333



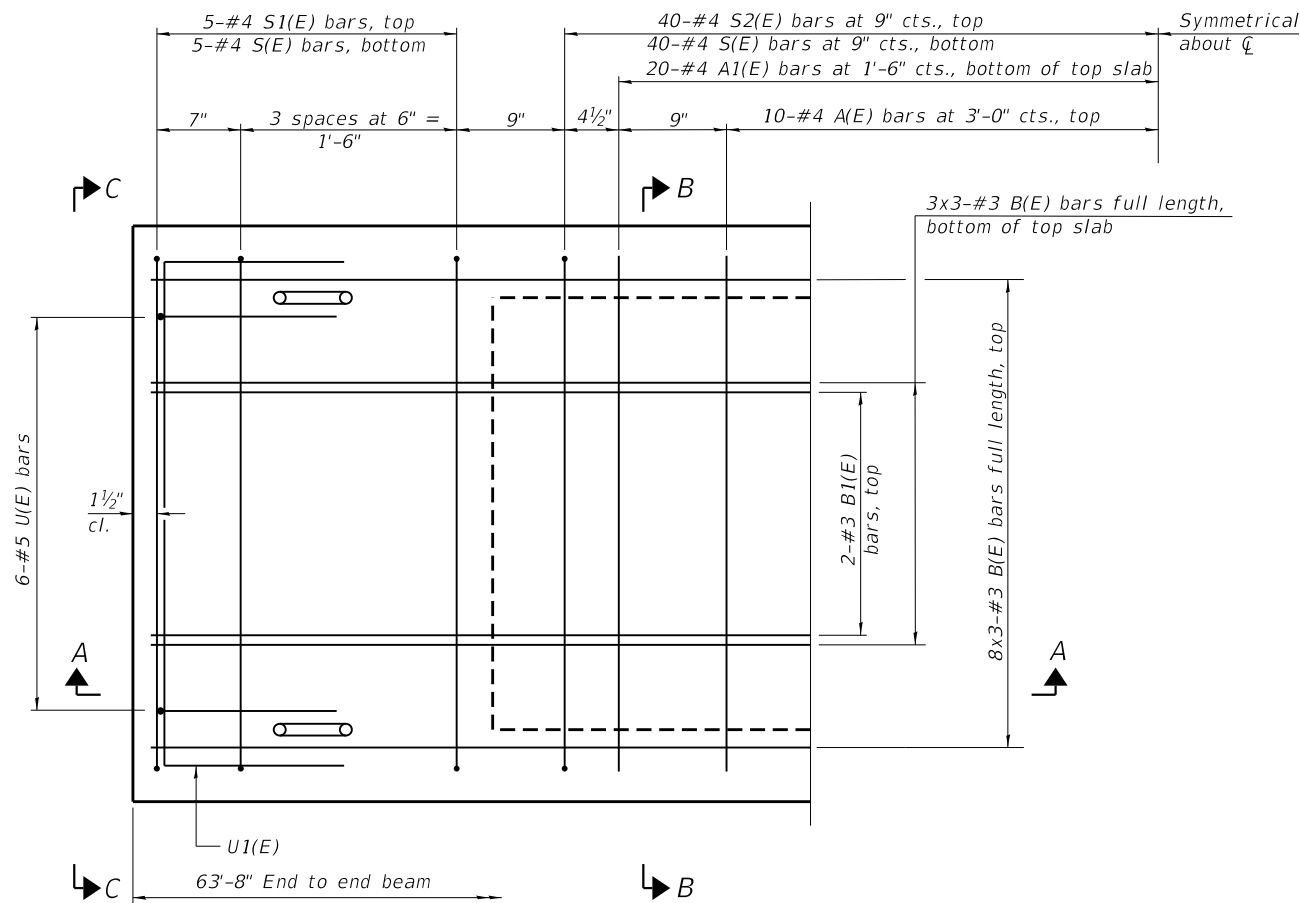
SECTION A-A



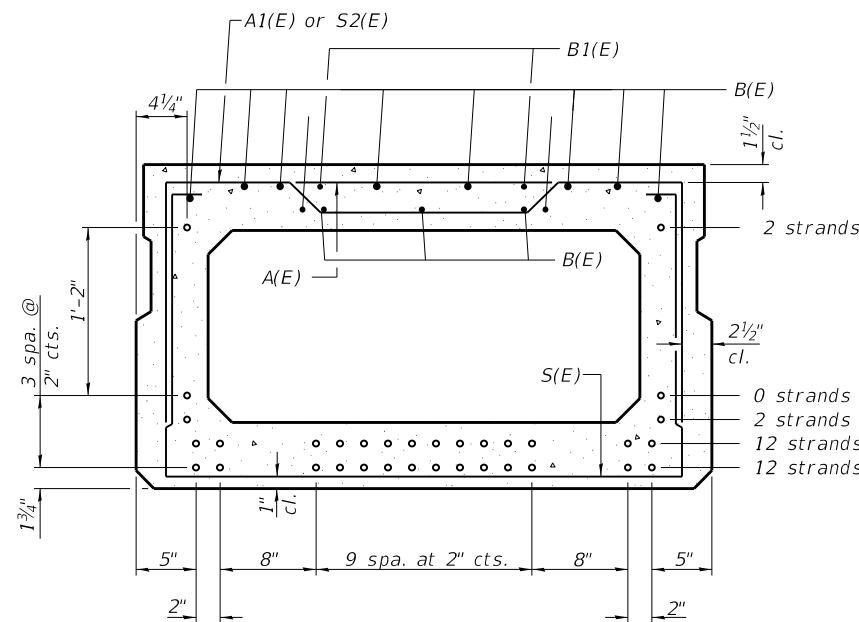
SECTION B-B
(Showing dimensions)



VIEW C-C



PLAN VIEW



SECTION B-B

(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	20	#4	3'-7"	—
A1(E)	40	#4	3'-10"	~
B(E)	33	#3	22'-2"	—
B1(E)	4	#3	10'-0"	—
S(E)	90	#4	8'-5"	⌋
S1(E)	10	#4	6'-11"	⌋
S2(E)	80	#4	7'-2"	⌋
U(E)	12	#5	4'-6"	⌋
U1(E)	4	#4	6'-0"	⌋

Note: See sheet 5 of 11 for additional details and Bill of Material.

Bars indicated thus 5x3-#5 etc. indicates 5 lines of bars with 3 lengths per line.

MINIMUM BAR LAP
#3 bar = 1'-4"

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

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PD-2748-0

4-4-2025



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DESIGNED AS
DRAWN AS
CHECKED JB
DATE 1/30/2026

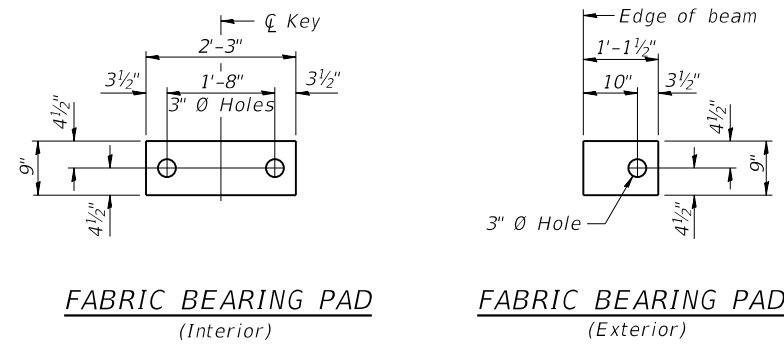
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
LEE COUNTY HIGHWAY DEPARTMENT

27" x 48" PPC DECK BEAM
INDIAN HEAD ROAD BRIDGE

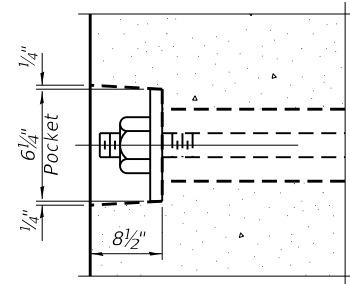
SHEET NO. 4 OF 11 SHEETS

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
PROJ. ILLINOIS STRUCTURE 052-3333				

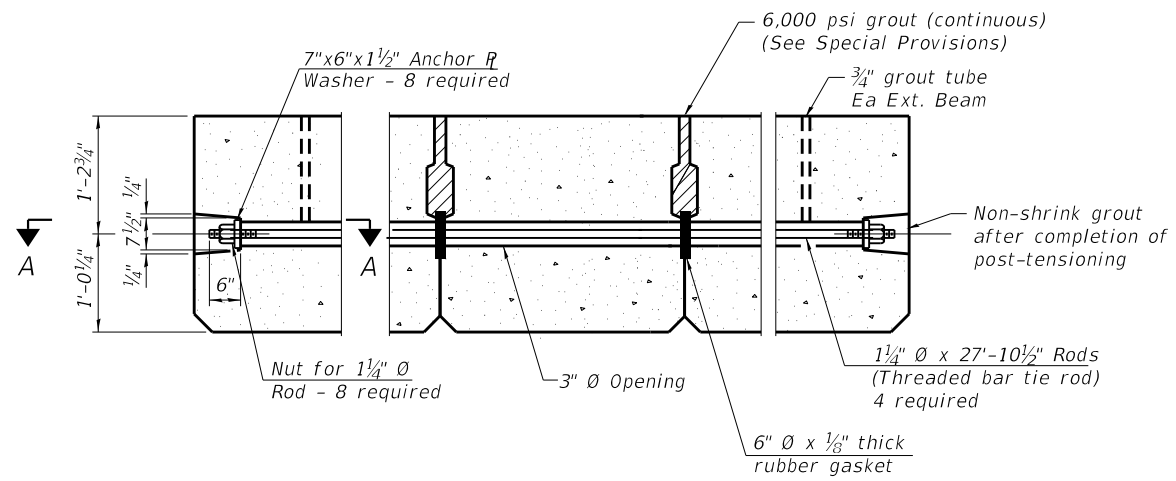


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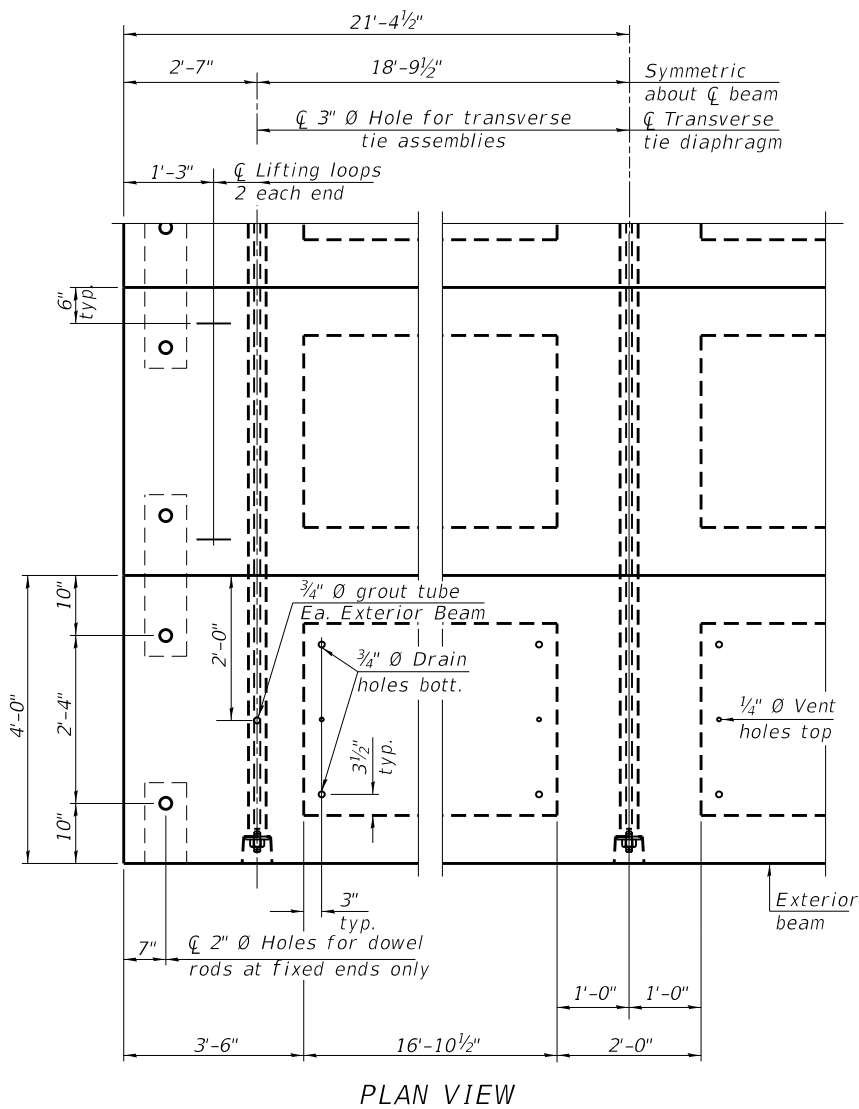
Notes:
 All bearing pads shall be 1" thick.
 Omit holes when using expansion bearings.
 Expansion bearing pad shall be bonded to the substructure.



SECTION A-A

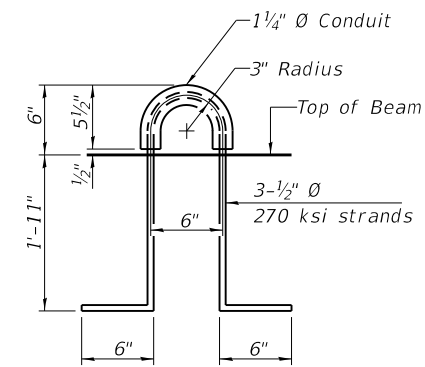


TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW

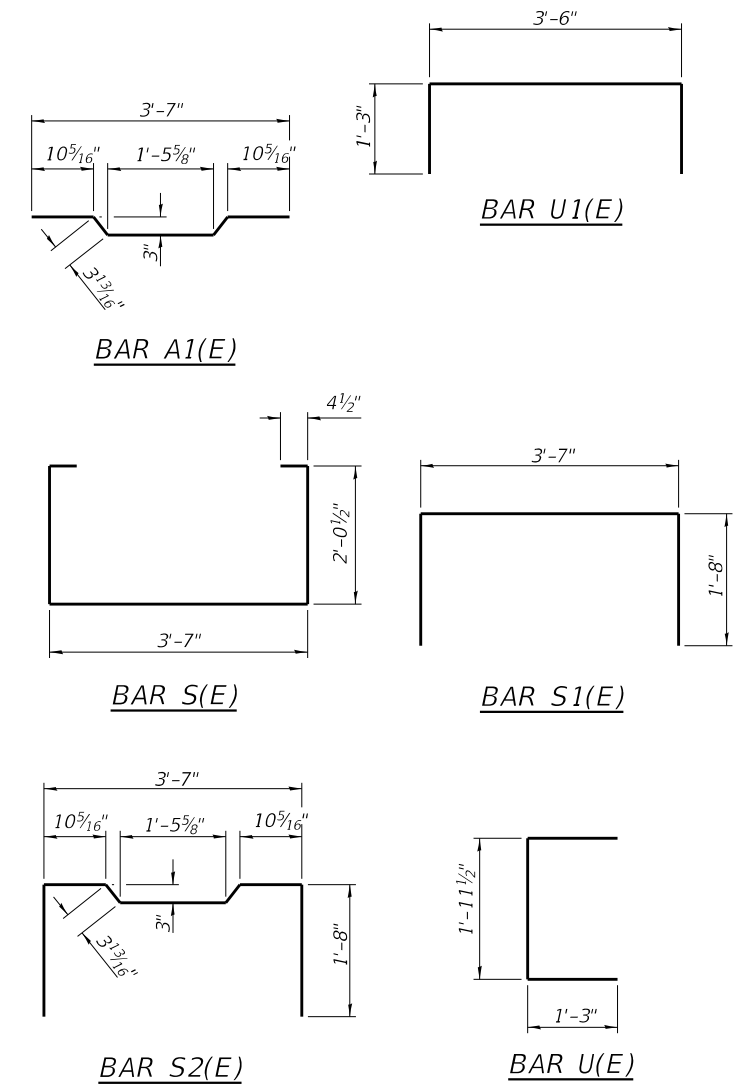
Note: Connect all beams together with the post-tensioned transverse tie configuration shown.



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi. Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of beams. Cleaning shall be done by sandblasting the keyway areas between top of the beams and the bottom edge of the keys. Threaded bar post-tensioning rods to be 1 1/4" diameter ultimate stress 150ksi (ultimate strength = 187.5k) conforming to ASTM A722 steel hot rolled and proof stressed. The bar deformations shall conform to the requirements of ASTM A615. Voids around threaded bar and pockets on exterior faces of bridge shall be grouted after post-tensioning is completed. See Special Provisions for grout and grouting pressures. All threaded rods shall be initially stressed to not more than 37.5k (0.2 Fpu, temporary) and the nut tightened. After all bars have been stressed to 37.5k the jacking may commence for 112.5k (0.6 Fpu) maximum transfer load (lockoff).



BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft.	1783
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PD-2748-0D

5-15-2023



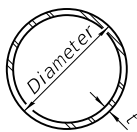
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**STATE OF ILLINOIS
LEE COUNTY HIGHWAY DEPARTMENT**

**27" x 48" PPC DECK BEAM DETAILS
INDIAN HEAD ROAD BRIDGE**

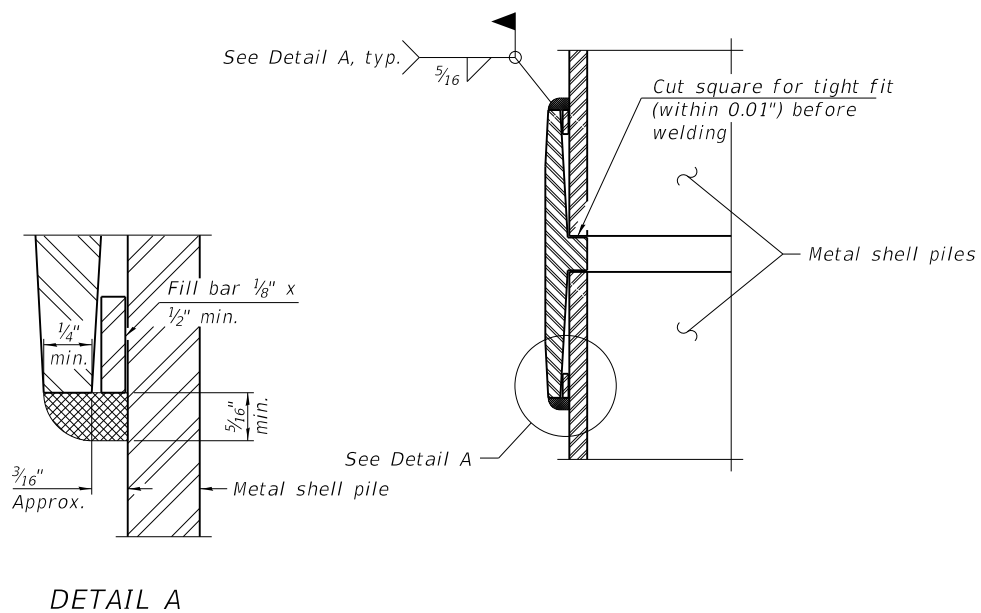
SHEET NO. 5 OF 11 SHEETS

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.				
PROJ.	ILLINOIS STRUCTURE 052-3333			

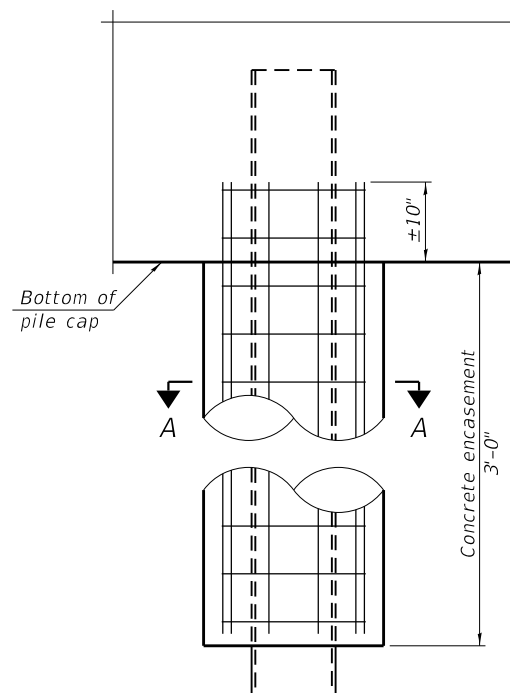


METAL SHELL PILE TABLE

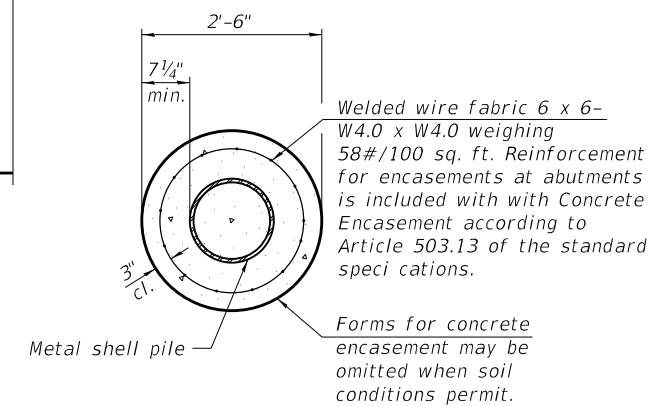
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



DETAIL A

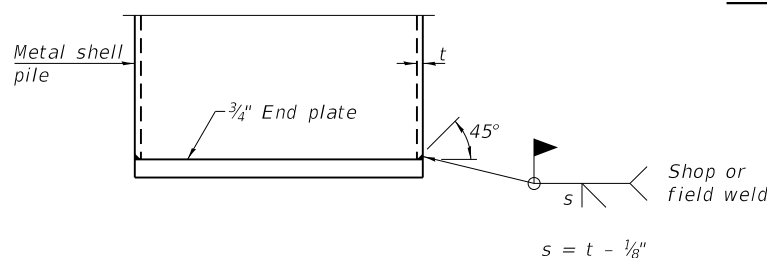


ELEVATION



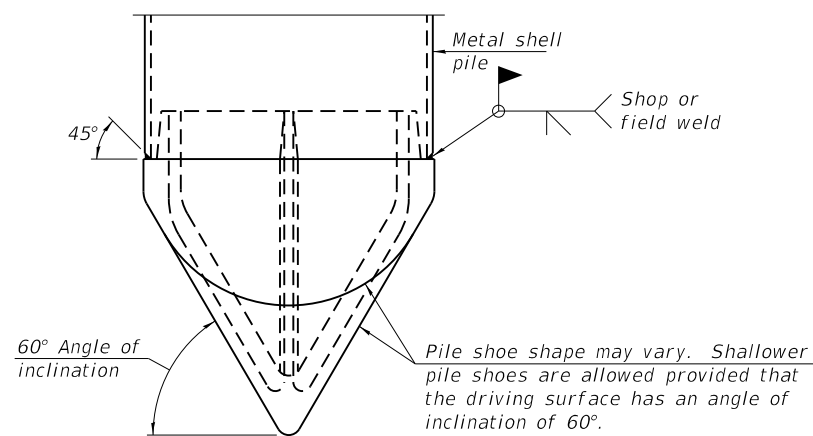
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASUREMENT
(When specified)



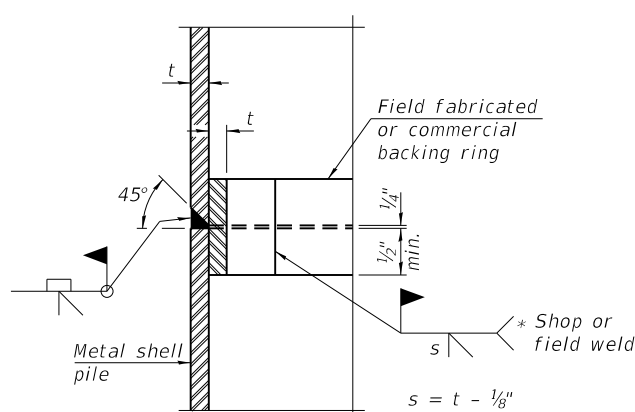
END PLATE ATTACHMENT

WELDED COMMERCIAL SPLICE
Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.



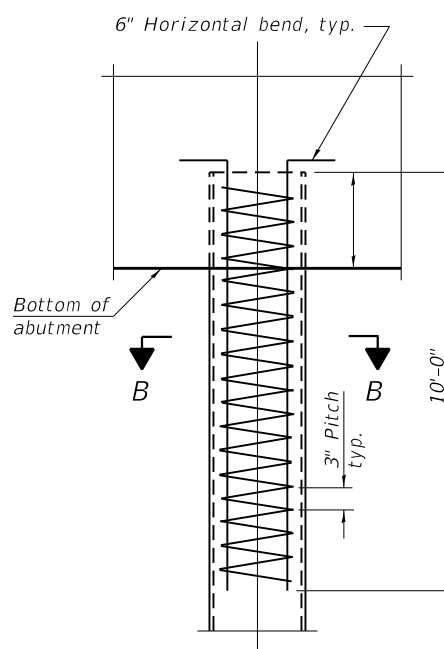
PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).

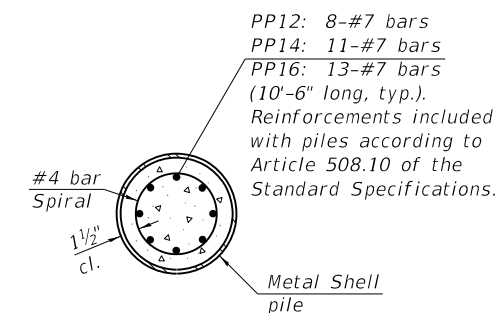


COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



ELEVATION



SECTION B-B

REINFORCEMENT AT ABUTMENTS
(Omit when concrete encasement is specified)

Note:
The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

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F-MS 4-4-2025



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DRAWN AS
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DATE 1/30/2026

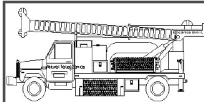
REVISED -
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REVISED -

STATE OF ILLINOIS
LEE COUNTY HIGHWAY DEPARTMENT

METAL SHELL PILE DETAILS
INDIAN HEAD ROAD BRIDGE

SHEET NO. 7 OF 11 SHEETS

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
188	25-00365-00-BR	LEE	19	14
CONTRACT NO.				
PROJ. ILLINOIS STRUCTURE 052-3333				

	Midwest Testing Services, Inc. 3705 Progress Blvd. Peru, IL 61354	BORING LOG Sheet <u>1</u> of <u>4</u>	Phone: 815-223-6696 Fax: 815-223-6659 e-mail: mts37@comcast.net
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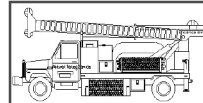
Client: Lee County
 Project Name: Section No.: 25-00365-00-BR
 Project Site: Exist. SN: 052-3329 Prop. SN:
C.H. 15 Indian Head Rd., Hamilton Twp.
Lee County, Illinois

Boring No. B-1
 Surface Elev. 659.78
 Auger Depth 76' Rotary Depth NA
 Start Date 11/28/25 Finish Date 11/28/25

Location: 38' S. of Br. Center and 15' E. of Centerline
Station: 9+62 15' RT

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	
659.78										Randy Safranski Diedrich D-120	
658.78	Medium Stiff to Stiff Black and Brown Silty Clay (Fill)		1								
657.78			2								
656.78			3	1	SS	1.0	7	B	26		
655.78			4								
654.78			5	2	SS	1.0	7	B	27		
653.78			6								
652.78			7								
651.78			8	3	SS	1.2	9	S	15		
650.78	Stiff Brown Gavely Clay Loam Till		9								
649.78			10	4	SS	1.2	9	S	14		
648.78			11								
647.78		12									
646.78		13	5	SS	1.2	10	---	16			
645.78	Stiff to Medium Dense Gray Gavely Clay Loam Till with Sand Seams		14								
644.78			15	6	SS	---	14	---	18		Water
643.78		16									
642.78		17									
641.78	Medium Dense Gray Silt		18	7	SS	---	18	---	17		
640.78			19								
639.78			20	8	SS	---	22	---	17		

Groundwater Data: Static water level after auger removal - Elevation 647.
 Comments:

	Midwest Testing Services, Inc. 3705 Progress Blvd. Peru, IL 61354	BORING LOG Sheet <u>2</u> of <u>4</u>	Phone: 815-223-6696 Fax: 815-223-6659 e-mail: mts37@comcast.net
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Client: Lee County
 Project Name: Section No.: 25-00365-00-BR
 Project Site: Exist. SN: 052-3329 Prop. SN:
C.H. 15 Indian Head Rd., Hamilton Twp.
Lee County, Illinois

Boring No. B-1
 Surface Elev. 659.78
 Auger Depth 76' Rotary Depth NA
 Start Date 11/28/25 Finish Date 11/28/25

Location: 38' S. of Br. Center and 15' E. of Centerline
Station: 9+62 15' RT

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	
638.78										Randy Safranski Diedrich D-120	
637.78	Medium Dense Gray Silt		22								
636.78			23	9	SS	---	24	---	18		
635.78			24								
634.78		25									
633.78		26	10	SS	---	25	---	17			
632.78		27									
631.78		28									
630.78		29									
629.78		30									
628.78		31	11	SS	2.3	21	S	19			
627.78		32									
626.78		33									
625.78		34									
624.78	Very Stiff Gray Silt Loam Till		35								
623.78			36	12	SS	2.2	21	S	18		
622.78			37								
621.78			38								
620.78		39									
619.78		40									
618.78		41	13	SS	2.0	20	S	17			

Groundwater Data: Static water level after auger removal - Elevation 647.
 Comments:

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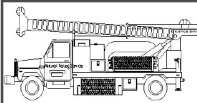
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STATE OF ILLINOIS
LEE COUNTY HIGHWAY DEPARTMENT

SOIL BORING LOGS
INDIAN HEAD ROAD BRIDGE

SHEET NO. 8 OF 11 SHEETS

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
188	25-00365-00-BR	LEE	19	15
CONTRACT NO.				
PROJ.	ILLINOIS	STRUCTURE	052-3333	

	Midwest Testing Services, Inc. 3705 Progress Blvd. Peru, IL 61354	BORING LOG Sheet <u>3</u> of <u>4</u>	Phone: 815-223-6696 Fax: 815-223-6659 e-mail: mts37@comcast.net
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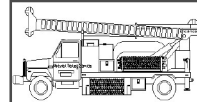
Client: Lee County
 Project Name: Section No.: 25-00365-00-BR
 Project Site: Exist. SN: 052-3329 Prop. SN:
C.H. 15 Indian Head Rd., Hamilton Twp.
Lee County, Illinois

Boring No. B-1
 Surface Elev. 659.78
 Auger Depth 76' Rotary Depth NA
 Start Date 11/28/25 Finish Date 11/28/25

Location: 38' S. of Br. Center and 15' E. of Centerline
Station: 9+62 15' RT

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
617.78										Randy Safranski Diedrich D-120	
616.78	Very Stiff Gray Silt Loam Till		43								
615.78			44								
614.78			45	14	SS	2.0	20	S	17		
613.78			46								
612.78			47								
611.78			48								
610.78			49								
609.78			50	15	SS	2.0	21	S	16		
608.78			51								
607.78			52								
606.78			53								
605.78			54								
604.78			55	16	SS	1.4	15	B	19		
603.78			56								
602.78	Stiff Gray Silt Loam Till with Sand Seams		57								
601.78			58								
600.78			59								
599.78			60	17	SS	1.2	11	B	22		
598.78			61								
597.78			62								

Groundwater Data: Static water level after auger removal - Elevation 647.
 Comments:

	Midwest Testing Services, Inc. 3705 Progress Blvd. Peru, IL 61354	BORING LOG Sheet <u>4</u> of <u>4</u>	Phone: 815-223-6696 Fax: 815-223-6659 e-mail: mts37@comcast.net
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Client: Lee County
 Project Name: Section No.: 25-00365-00-BR
 Project Site: Exist. SN: 052-3329 Prop. SN:
C.H. 15 Indian Head Rd., Hamilton Twp.
Lee County, Illinois

Boring No. B-1
 Surface Elev. 659.78
 Auger Depth 76' Rotary Depth NA
 Start Date 11/28/25 Finish Date 11/28/25

Location: 38' S. of Br. Center and 15' E. of Centerline
Station: 9+62 15' RT

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
596.78										Randy Safranski Diedrich D-120	
595.78	Stiff Gray Silt Loam Till with Sand Seams		64								
594.78			65	18	SS	1.2	12	B	17		
593.78			66								
592.78			67								
591.78			68								
590.78			69								
589.78			70								
588.78			71	19	SS	---	11	---	16		
587.78			72								
586.78			73								
585.78		74									
584.78		75									
583.78		76	20	SS	---	13	---	17			
582.78		77									
581.78		78									
580.78		79									
579.78		80									
578.78		81									
577.78		82									
576.78		83									

Groundwater Data: Static water level after auger removal - Elevation 647.
 Comments:

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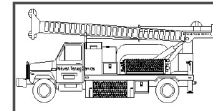
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STATE OF ILLINOIS
 LEE COUNTY HIGHWAY DEPARTMENT

SOIL BORING LOGS
 INDIAN HEAD ROAD BRIDGE

SHEET NO. 9 OF 11 SHEETS

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
188	25-00365-00-BR	LEE	19	16
CONTRACT NO.				
PROJ.	ILLINOIS	STRUCTURE	052-3333	



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 1 of 4

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

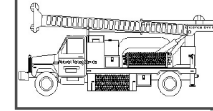
Client: Lee County
Project Name: Section No.: 25-00365-00-BR
Project Site: Exist. SN: 052-3329 Prop. SN:
C.H. 15 Indian Head Rd., Hamilton Twp.
Lee County, Illinois

Boring No. B-2
Surface Elev. 659.78
Auger Depth 76' Rotary Depth NA
Start Date 11/28/25 Finish Date 11/28/25

Location: 45' N. of Br. Center and 16' E. of Centerline
Station: 10+45 16' RT

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
659.78										Randy Safranski Diedrich D-120	
658.78			1								
657.78			2								
656.78	Medium Stiff Black and Brown Silty Clay (Fill)		3	1	SS	1.0	7	B	26		
655.78			4								
654.78			5								
653.78			6								
652.78			7								
651.78	Stiff Brown Gavelly Clay Loam Till		8	3	SS	1.2	8	S	15		
650.78			9								
649.78			10								
648.78			11	4	SS	1.2	11	S	14		
647.78			12								
646.78			13	5	SS	---	8	---	16		
645.78			14								
644.78	Medium Stiff Gray Silt Loam Till		15	6	SS	---	7	---	18		
643.78			16								
642.78			17								
641.78			18	7	SS	1.0	7	B	17		
640.78	Medium Stiff Gray Silty Clay Loam Till		19								
639.78			20	8	SS	1.0	7	B	17		

Groundwater Data: Static water level after auger removal - Elevation 647.
Comments:



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 2 of 4

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Lee County
Project Name: Section No.: 25-00365-00-BR
Project Site: Exist. SN: 052-3329 Prop. SN:
C.H. 15 Indian Head Rd., Hamilton Twp.
Lee County, Illinois

Boring No. B-2
Surface Elev. 659.78
Auger Depth 76' Rotary Depth NA
Start Date 11/28/25 Finish Date 11/28/25

Location: 45' N. of Br. Center and 16' E. of Centerline
Station: 10+45 16' RT

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
638.78										Randy Safranski Diedrich D-120	
637.78			22								
636.78	Medium Stiff Gray Silty Clay Loam Till		23	9	SS	1.0	7	S	19		
635.78			24								
634.78			25	10	SS	---	10	---	---		Water
633.78			26								
632.78	Loose to Medium Dense Gray Course Sand & Gravel		27								
631.78			28								
630.78			29								
629.78	Stiff Gray Silty Clay Loam Till		30	11	SS	1.4	11	B	19		
628.78			31								
627.78			32								
626.78			33								
625.78			34								
624.78			35	12	SS	---	10	---	17		
623.78	Stiff Gray Silt Loam Till		36								
622.78			37								
621.78			38								
620.78			39								
619.78	Medium Dense Gray Medium Sand		40	13	SS	---	21	---	---		
618.78			41								

Groundwater Data: Static water level after auger removal - Elevation 647.
Comments:

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CHECKED JB
DATE 1/30/2026

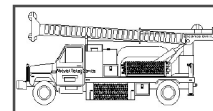
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REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
LEE COUNTY HIGHWAY DEPARTMENT

SOIL BORING LOGS
INDIAN HEAD ROAD BRIDGE

SHEET NO. 10 OF 11 SHEETS

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
188	25-00365-00-BR	LEE	19	17
CONTRACT NO.				
PROJ.	ILLINOIS	STRUCTURE	052-3333	



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 3 of 4

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

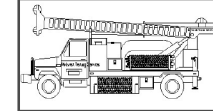
Client: Lee County
Project Name: Section No.: 25-00365-00-BR
Project Site: Exist. SN: 052-3329 Prop. SN:
C.H. 15 Indian Head Rd., Hamilton Twp.
Lee County, Illinois

Boring No. B-2
Surface Elev. 659.78
Auger Depth 76' Rotary Depth NA
Start Date 11/28/25 Finish Date 11/28/25

Location: 45' N. of Br. Center and 16' E. of Centerline
Station: 10+45 16' RT

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	
617.78										Randy Safranski Diedrich D-120	
616.78	Medium Dense Gray Medium Sand		43								
615.78			44								
614.78			45	14	SS	---	17	---	17		
613.78	Very Stiff Gray Silt Loam Till		46								
612.78			47								
611.78			48								
610.78			49								
609.78			50	15	SS	---	13	---	16		
608.78			51								
607.78			52								
606.78			53								
605.78	Stiff Gray Silt Loam Till		54								
604.78			55	16	SS	---	13	---	17		
603.78			56								
602.78			57								
601.78			58								
600.78			59								
599.78			60								
598.78			61	17	SS	---	9	---	17		
597.78			62								

Groundwater Data: Static water level after auger removal - Elevation 647.
Comments:



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 4 of 4

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Lee County
Project Name: Section No.: 25-00365-00-BR
Project Site: Exist. SN: 052-3329 Prop. SN:
C.H. 15 Indian Head Rd., Hamilton Twp.
Lee County, Illinois

Boring No. B-2
Surface Elev. 659.78
Auger Depth 76' Rotary Depth NA
Start Date 11/28/25 Finish Date 11/28/25

Location: 45' N. of Br. Center and 16' E. of Centerline
Station: 10+45 16' RT

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)	Dry Density (PCF)	
596.78										Randy Safranski Diedrich D-120	
595.78			64								
594.78			65	18	SS	---	12	---	17		
593.78			66								
592.78			67								
591.78	Stiff Gray Silt Loam Till		68								
590.78			69								
589.78			70	19	SS	---	12	---	16		
588.78			71								
587.78			72								
586.78			73								
585.78			74								
584.78			75	20	SS	---	14	---	17		
583.78			76								
582.78			77								
581.78			78								
580.78			79								
579.78			80								
578.78			81								
577.78			82								
576.78			83								

Groundwater Data: Static water level after auger removal - Elevation 647.
Comments:

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PLOT DATE = 2/19/2026

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REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
LEE COUNTY HIGHWAY DEPARTMENT

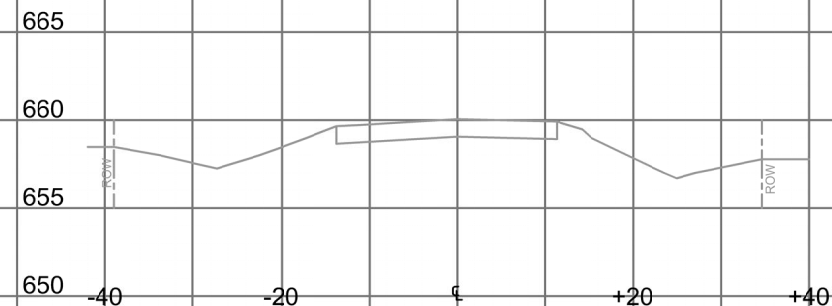
SOIL BORING LOGS
INDIAN HEAD ROAD BRIDGE

SHEET NO. 11 OF 11 SHEETS

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
188	25-00365-00-BR	LEE	19	18
CONTRACT NO.				
PROJ.	ILLINOIS	STRUCTURE	052-3333	

6+00

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STONE: 0 SF

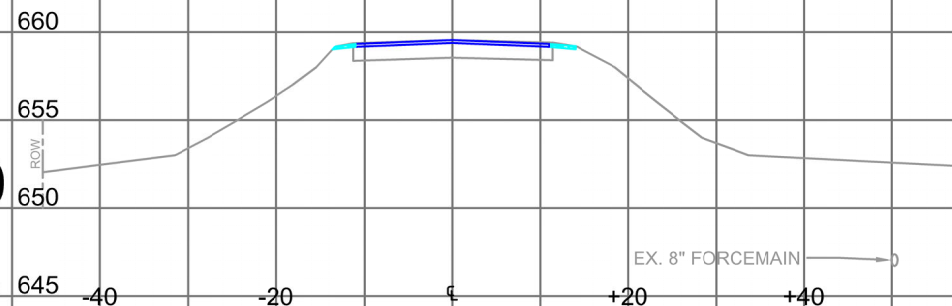


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V: 1"=5'

NOTE: THE X-SECTIONS ARE LOOKING IN THE DIRECTION OF INCREASING STATION NUMBERS.

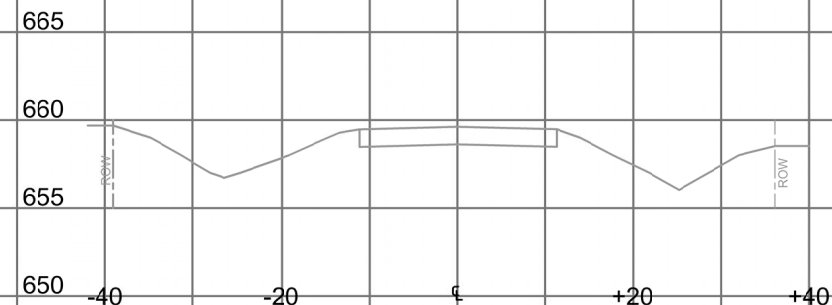
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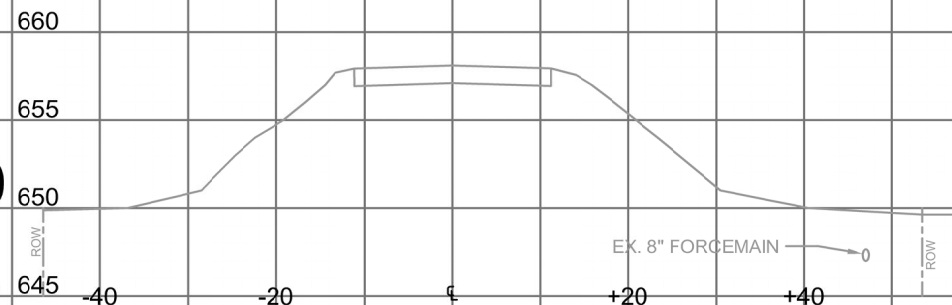
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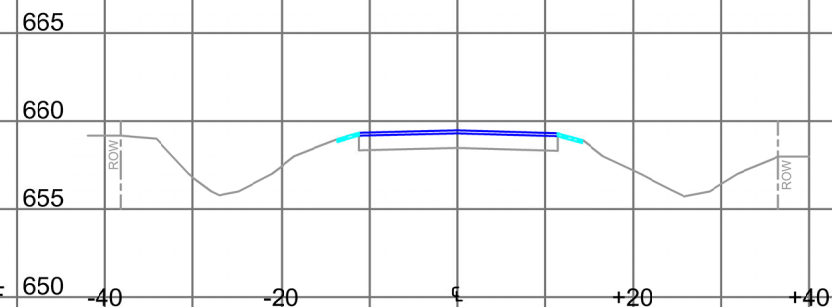
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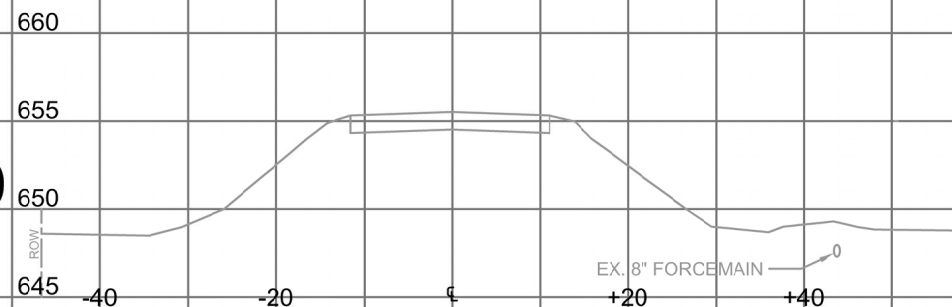
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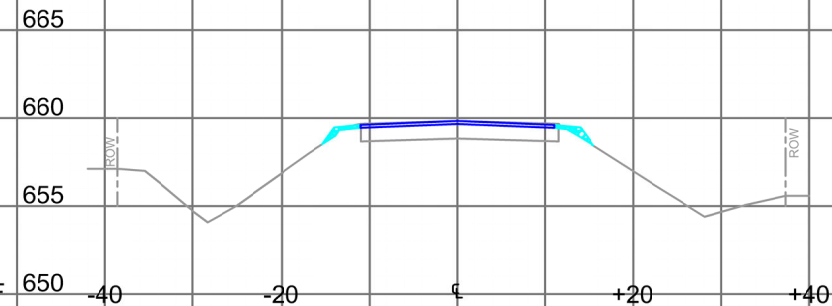
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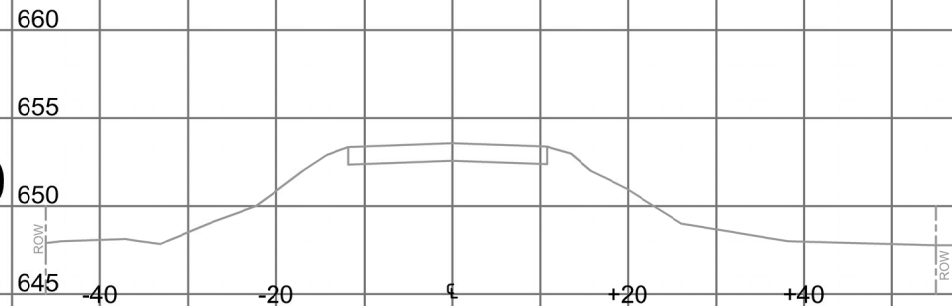
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14+00

CUT: 0 SF
FILL: 0.00 SF
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10+00 BRIDGE

INDIAN HEAD BRIDGE
25-00365-00-BR

ROAD X-SECTIONS

SHEET NO.
19 OF 19

DATE:
10/8/2025

DRAWN BY:
BMT

CHECKED BY:
DA

DATE	REVISION	REVISION MADE
2/12/2026	PER IDOT COMMENTS	
2/20/2026	PER IDOT COMMENTS	