

06-16-2023 LETTING ITEM 188

STATE OF ILLINOIS  
COUNTY OF STEPHENSON

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR222	20-15134-00-BR	STEPHENSON	17	1
		ILLINOIS		

THE PROPOSED IMPROVEMENT CONSISTS OF THE REMOVAL OF AN EXISTING 2 BARREL CULVERT (10' x 6' CELLS). ROADWAY CLOSURES WILL BE REQUIRED TO COMPLETE PROPOSED IMPROVEMENT. APPROXIMATELY 70' OF ROADWAY WILL BE RECONSTRUCTED, NOT INCLUDING PROPOSED BRIDGE LENGTH.

NEW STRUCTURE IS A SINGLE SPAN (27' x 45') PPC DECK BEAM ON 2:1 SLOPING ABUTMENTS, 0 DEGREE SKEW. IN-STREAM WORK INCLUDES CHANNEL EXCAVATION TO PROVIDE ADEQUATE WATERWAY AND RIP-RAP PLACEMENT.

# PLANS FOR PROPOSED FEDERAL BRIDGE PROJECT

TR 222 (HOLLYWOOD ROAD)  
OVER CRANES GROVE CREEK  
STEPHENSON COUNTY  
SILVER CREEK TOWNSHIP  
SECTION 20-15134-00-BR  
PROJECT NO. 3M66 (595)  
JOB NO. C-92-051-22

COUNTY ENGINEER

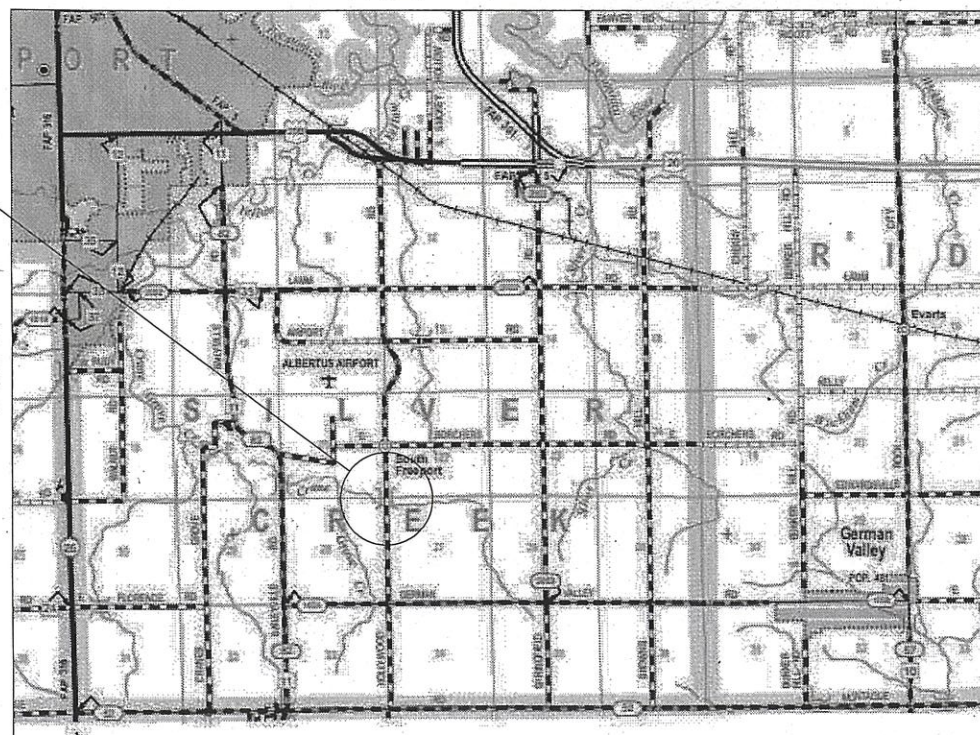
DALE RASMUSSEN  
STEPHENSON COUNTY HIGHWAY DEPARTMENT  
COUNTY ENGINEER  
295 W. LAMM ROAD  
FREEPORT, IL 61032  
(815) 235-7497

UTILITIES

COMED  
2900 US BUSINESS 12 W  
FREEPORT, IL 61032  
(877) 426-6331

FRONTIER COMMUNICATIONS  
947 E CLINTON ST  
FREEPORT, IL 61032  
(815) 756-8998

PROJECT LOCATION  
BEGIN STA. 10+60  
END STA. 11+75  
PROPOSED SN 089-3300  
EXISTING SN 089-5038



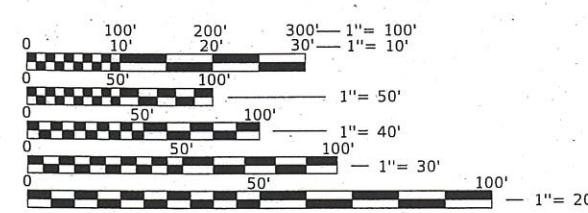
R 8 E  
TOTAL LENGTH = 115 FT. = 0.022 MILE

SEC. 23  
4TH MERIDIAN



TRAFFIC DATA

TR 222 (HOLLYWOOD ROAD)  
FUNCTIONAL CLASSIFICATION: LOCAL ROAD  
2023 ADT = 75 | 2% TRUCKS  
DESIGN SPEED = 30 MPH



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.

J.U.L.I.E.  
JOINT UTILITY LOCATION  
INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

CONTRACT NO. 85745

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
DECATUR (217) 422-8544  
SCHAUMBURG (773) 714-0050  
ROCKFORD (815) 489-0050  
184-001397



TREVOR LARSON, P.E.  
LICENSE EXPIRES: 11/30/23  
DATE 04/14/23

APPROVED DALE RASMUSSEN, P.E., P.L.S., M.B.A. 04/14/2023  
*Dale Rasmussen*  
COUNTY ENGINEER

PASSED 4/17 20 23  
*Shawn Cato*  
DISTRICT TWO ENGINEER OF LOCAL ROADS AND STREETS

Releasing For Bid Based on Limited Review 4/17 20 23  
*Mark Anderson*  
DEPUTY DIRECTOR OF HIGHWAYS  
REGION TWO ENGINEER

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

INDEX OF SHEETS	
Sheet Number	Sheet Title
1	COVER
2	GENERAL NOTES
3	TYPICAL SECTIONS
4	HOLLYWOOD ROAD P&P
5	GRADING AND EROSION CONTROL PLAN
6	BRIDGE PLAN AND ELEVATION
7	SUPERSTRUCTURE DETAILS
8	STEEL RAILING DETAILS
9	17 x 36 PPC DECK BEAM
10	17 X 36 PPC DECK BEAM DETAILS
11	SOUTH ABUTMENT DETAILS
12	NORTH ABUTMENT DETAILS
13	HP PILE DETAILS
14	BORING LOGS (1)
15	BORING LOGS (2)
16	HOLLYWOOD ROAD X-SECTIONS
17	HOLLYWOOD ROAD X-SECTIONS (2)

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (ADOPTED JANUARY 1, 2022 AND ALL REVISIONS AND SUPPLEMENTS THERETO), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAY", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS", AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 1-800-892-0123 FOR FIELD LOCATION OF BURIED ELECTRONIC, TELEPHONE, GAS, WATER, SANITARY, STORM SEWER, AND OTHER FACILITIES AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
- LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE COUNTY DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL VERIFY THE DEPTHS OF EXISTING UTILITIES WHERE NECESSARY. FIELD VERIFICATIONS, RELOCATIONS, AND / OR LOWERING OF EXISTING UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR AS TO NOT IMPEDE PROJECT PROGRESS. THERE ARE NO KNOWN UNDERGROUND UTILITIES LOCATED WITHIN THE PROJECT AREA THAT WILL REQUIRE RELOCATION OR LOWERING AS PART OF THIS PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, EVEN IF NOT SHOWN ON PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE UTILITY COMPANY AND THE ENGINEER.
- THE CONTRACTOR SHALL NOTIFY THE COUNTY A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF WORK.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE ENGINEER.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL A LICENSED LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATIONS.
- MAINTAINING DRAINAGE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN POSITIVE DRAINAGE AT ALL TIMES DURING THE PERFORMANCE OF WORK. THE CONTRACTOR SHALL SUPPLY A PLAN AS A SUBMITTAL REVIEW THAT WILL MAINTAIN FLOW THAT MEETS ALL LOCAL, STATE, AND FEDERAL REGULATIONS, TO THE SATISFACTION OF THE COUNTY.
  - THE PLAN SHALL NOT CAUSE ANY DAMAGE UPSTREAM, NOR TO ANY ADJACENT WATERSHED.
  - THE PLAN SHALL BE SUBMITTED TO THE COUNTY AND THE ENGINEER OF RECORD A MINIMUM OF TWO (2) WEEKS PRIOR TO THE COMMENCEMENT OF WORK.
  - THE COST OF MAINTAINING FLOW SHALL BE INCIDENTAL TO THE CONTRACT.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURES HAVE BEEN TAKEN FROM FIELD MEASUREMENTS AND AS-BUILT PLANS. THE CONTRACTOR SHALL VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF THE MATERIALS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN PLAN AND FIELD CONDITIONS.
- ALL WORK SHALL BE COMPLETED WITHIN THE PUBLIC RIGHT-OF-WAY WITH NO EQUIPMENT OR MATERIALS STORAGE ON PRIVATE PROPERTY.
- THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA AND/OR CONSTRUCTION LIMITS.
- COORDINATE ANY REQUIRED SIGN REMOVAL WITH THE COUNTY ONE (1) WEEK PRIOR TO THE COMMENCEMENT OF WORK.
- NO CHANNEL GRADING OR BRIDGE CONSTRUCTION ACTIVITIES WILL BE ALLOWED IN STANDING WATER OR DURING PERIODS OF HIGH FLOWS AND EXCESSIVE CHANNEL FLOW VELOCITIES.
- THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER.:
  - TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
  - THE CONTRACTOR SHALL HAVE THE LOCATION OF TEMPORARY CONCRETE WASHOUT FACILITIES APPROVED BY THE RESIDENT ENGINEER.
  - ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
  - CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.
- THE ADJACENT ROADWAY SHALL BE KEPT FREE OF MUD AND DEBRIS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL ASSUME MAINTENANCE RESPONSIBILITIES FOR A PERIOD OF THIRTY (30) DAYS FOR ALL SEEDED AREAS, INCLUDING: WATERING, WEEDING, RE-SEEDING (WASH-OFFS), REPLACEMENT (SOD), OR OTHER OPERATIONS NECESSARY TO OBTAIN A SATISFACTORY STRAIN OF GRASS. UPON FINAL ACCEPTANCE, OWNER SHALL ASSUME ALL MAINTENANCE RESPONSIBILITIES.
- MINIMUM ACCEPTANCE OF SEEDED LAWN AREAS MAY INCLUDE SCATTERED BARE OR DEAD SPOTS, NONE OF WHICH ARE LARGER THAN ONE (1) SQUARE FOOT AND WHEN COMBINED DO NOT EXCEED 2% OF TOTAL LAWN AREA.

SUMMARY OF QUANTITIES			
CONSTRUCTION TYPE CODE: 0010			
CODE NUMBER	PAY ITEM	UNIT	TOTAL
20300100	CHANNEL EXCAVATION	CU YD	154
21101615	TOPSOIL, FURNISH AND PLACE, 4"	SQ YD	336
25000200	SEEDING, CLASS 2	ACRE	0.07
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	18.7
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	18.7
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	18.7
25100630	EROSION CONTROL BLANKET	SQ YD	336
28000305	TEMPORARY DITCH CHECKS	FOOT	40
28000400	PERIMETER EROSION BARRIER	FOOT	238
28200200	FILTER FABRIC	SQ YD	283
35102000	AGGREGATE BASE COURSE, TYPE B, 8"	SQ YD	158
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	336
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	34
40602978	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50	TON	12.5
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	12.5
48100500	AGGREGATE SHOULDERS, TYPE A, 6"	SQ YD	87
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	122
50300225	CONCRETE STRUCTURES	CU YD	23.8
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	1044
50800105	REINFORCEMENT BARS	POUND	4360
50900205	STEEL RAILING, TYPE S1	FOOT	80
51201400	FURNISHING STEEL PILES HP10X42	FOOT	136
51202305	DRIVING PILES	FOOT	136
51203400	TEST PILE STEEL HP10X42	EACH	2
51204650	PILE SHOES	EACH	10
51500100	NAME PLATES	EACH	1
67100100	MOBILIZATION	L SUM	1
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
XX004565	GROUTED RIPRAP	SQ YD	283
XX004566	CONCRETE CUT-OFF WALL	CU YD	8.8
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

\*SPECIALTY ITEMS

RATES OF APPLICATION

ITEMS	RATE OF APPLICATION
RIPRAP	2.05 TONS / CU YD
HOT-MIX ASPHALT	112 LBS / SQ YD / IN
BITUMINOUS MATERIALS (TACK COAT)	0.025 LBS / SQ FT
BITUMINOUS MATERIALS (PRIME COAT)	0.25 LBS / SQ FT
AGGREGATE BASE COURSE, TYPE B	2.05 TONS / CU YD

BENCHMARKS

BENCHMARK #	DESCRIPTION	ELEVATION	NORTHING	EASTING
1	MAG SPIKE SOUTH OF CULVERT	838.60	2026303.15	2457809.78
2	NAIL IN POWER POLE	831.02	2026489.54	2457842.59
3	MAG SPIKE NORTH OF CULVERT	835.70	2026336.28	2457792.69

EARTHWORK SCHEDULE

LOCATION	EXCAVATION (CY)	EMBANKMENT (CY)	NET ((STA 2 - STA 1) x (EMB - (0.75EXC)*)
STA. 10+45 to 10+75	0.6	0.8	3.4
STA. 10+75 to 11+00	0.7	6.4	49.1
STA. 11+00 to 11+25	13.2	6.8	-25.2
STA. 11+25 to 11+50	13.5	4.0	-51.0
STA. 11+50 to 11+75	1.2	3.7	23.6
STA. 11+75 to 11+90	0.8	1.0	1.9
TOTAL	29.9	22.7	(22.7 - (0.75 x 29.9)) - 155.4 = -153.6

EXCAVATION AND EMBANKMENTS CALCULATED AS AVERAGE BETWEEN LISTED STATIONS  
 \*EXCAVATION SHRINKAGE FACTOR ASSUMED TO BE 25%  
 ^NET EQUALS SUMMATION MINUS 155.4 CY FOR EXISTING BOX CULVERT VOLUME

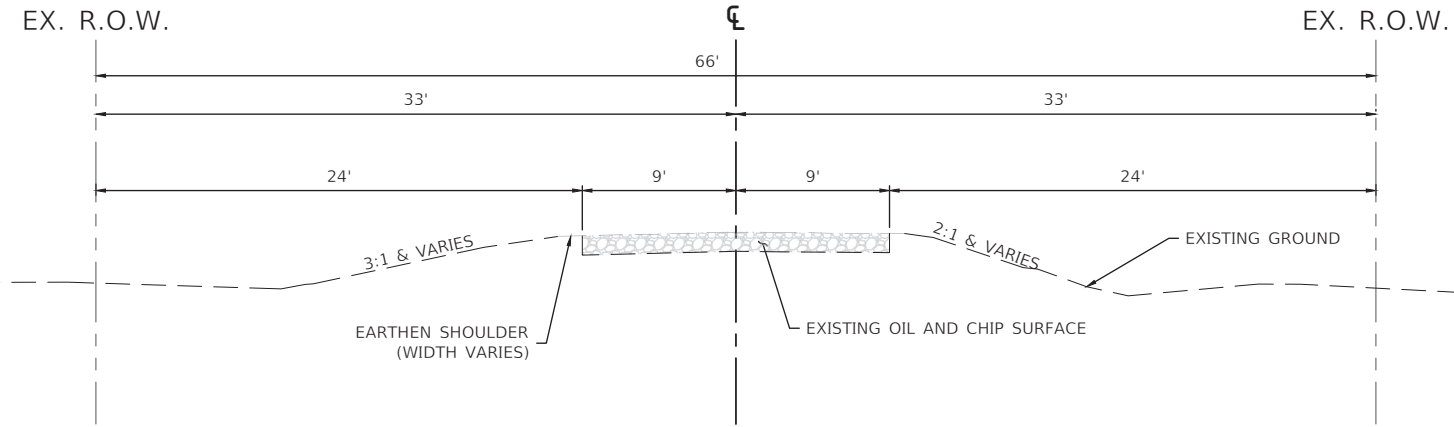
HIGHWAY STANDARDS

- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 515001-04 NAME PLATE FOR BRIDGES
- 701011-04 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701901-08 TRAFFIC CONTROL DEVICES
- 725001-01 OBJECT AND TERMINAL MARKERS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
- BLR 22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

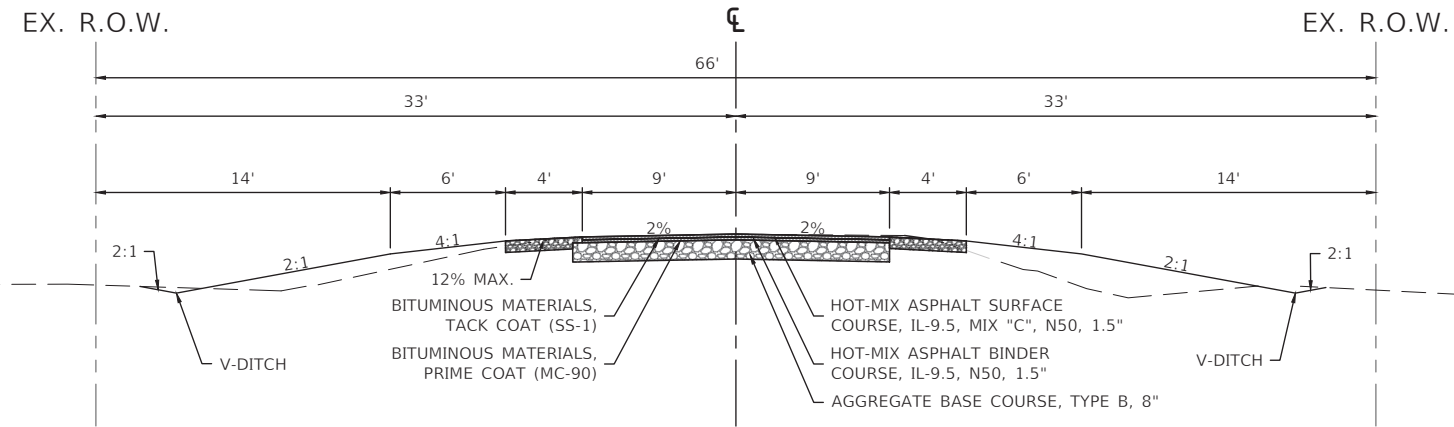
USER NAME = TREVOR LARSON, P.E.	DESIGNED -- TWL	REVISED --
DRAWN -- TWL	REVISED --	
PLOT SCALE = AND FULL BLEED 0 (24.00 X 22.00 INCHES)	CHECKED -- TWO	REVISED --
PLOT DATE = APR 21, 2023	DATE -- APRIL 12, 2023	REVISED --

**CHASTAIN & ASSOCIATES LLC**  
 CONSULTING ENGINEERS  
 DECATUR (217) 422-8544  
 SCHAUMBURG (773) 714-0050  
 ROCKFORD (815) 489-0050  
 184-001397

GENERAL NOTES		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N/A	SHEET NO. _ OF _ SHEETS	TR222	20-15134-00-BR	STEPHENSON	17	2
STA. _____ TO STA. _____		PROJECT 7832	ILLINOIS	STRUCTURE 089-3300		



EXISTING TYPICAL SECTION  
STA. 10+60 to STA. 11+75



PROPOSED TYPICAL SECTION  
STA. 10+60 to STA. 11+75

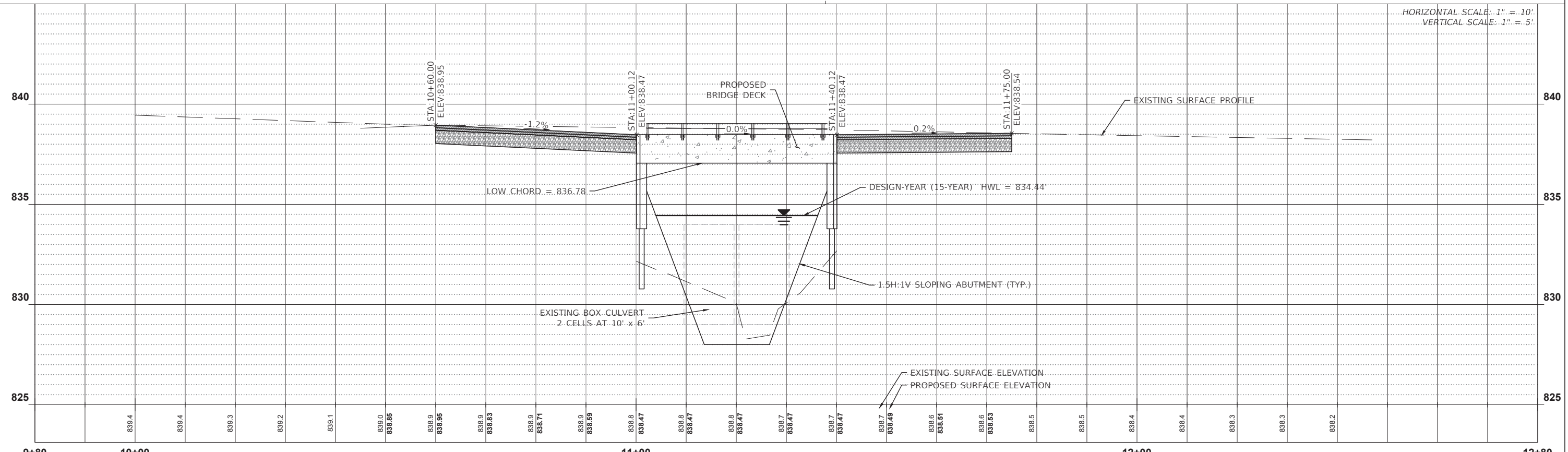
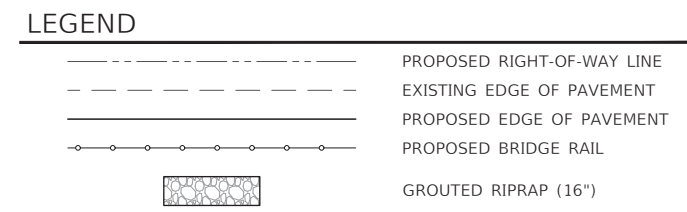
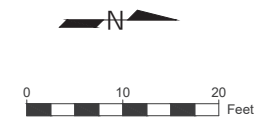
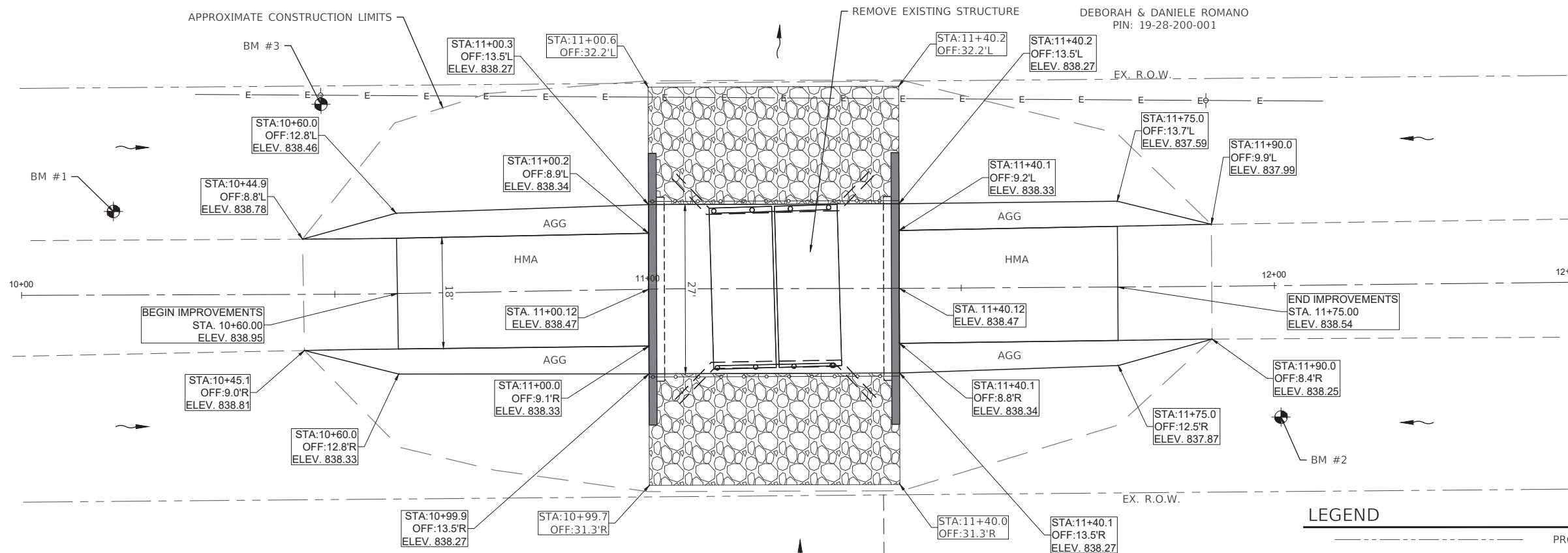
LOCATION AND MIXTURE USE(S):	HOLLYWOOD ROAD	
	SURFACE	BINDER
PG	PG 64-22	PG 64-22
DESIGN AREA VOIDS	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION	IL 9.5	IL 9.5
FRICTION AGGREGATE	C	N/A
MIX WEIGHT	112 lb/sy/in	N/A
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A
MATERIAL TRANSFER DEVICE	N/A	N/A

USER NAME = TREVOR LARSON, P.E.	DESIGNED — TWL	REVISED — .
	DRAWN — TWL	REVISED — .
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED — TWO	REVISED — .
PLOT DATE = April 21, 2023	DATE — APRIL 12, 2023	REVISED — .

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS

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ROCKFORD (815) 489-0050  
184-001397

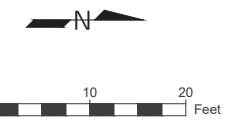
TYPICAL SECTIONS		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: _____	SHEET NO. _ OF _ SHEETS	TR222	20-15134-00-BR	STEPHENSON	17	3
STA. _____ TO STA. _____	PROJECT 7832	ILLINOIS	CONTRACT NO. 85745 STRUCTURE 089-3300			



HORIZONTAL SCALE: 1" = 10'  
VERTICAL SCALE: 1" = 5'

9+80	10+00	11+00	12+00	12+80
USER NAME = TREVOR LARSON, P.E. DESIGNED — TWL DRAWN — TWL PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES) PLOT DATE = April 21, 2023		REVISIONS: REVISED — . REVISED — . REVISED — . REVISED — .		TOTAL SHEETS 17 SHEET NO. 4 CONTRACT NO. 85745
CHASTAIN & ASSOCIATES LLC CONSULTING ENGINEERS DECATUR (217) 422-8544 SCHAUMBURG (773) 714-0050 ROCKFORD (815) 489-0050 184-001397		HOLLYWOOD ROAD P&P SCALE: 1" = 10' SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		PROJECT 7832 ILLINOIS STRUCTURE 089-3300

Plot Date: 21 April 2023 | File Name: R:\Vpr\_Locounty\7832\_Stephenson Co - Hollywood Rd Bridge\CADD\CADD\_Sheets | User Name: Thorson

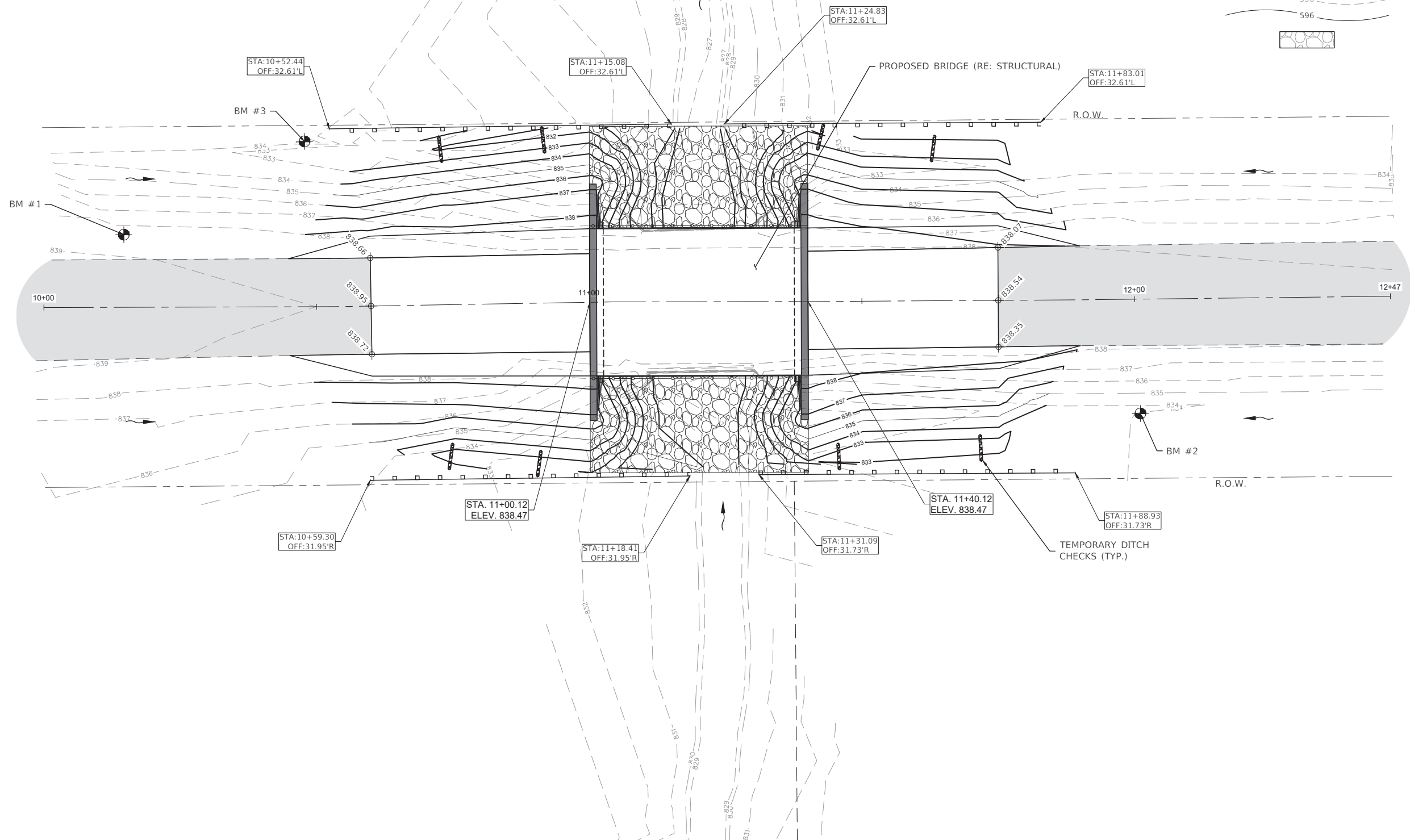


**NOTES**

1. ALL AREAS TO BE RESTORED WITH TURF SHALL RECEIVE THE FOLLOWING:
  - 1.1. 4" OF TOPSOIL
  - 1.2. LONG-TERM EROSION CONTROL BLANKET
  - 1.3. CLASS 2 SEEDING
  - 1.4. FERTILIZER AT A RATE OF 270 LBS/ACRE WITH A 1:1:1 RATIO BETWEEN NITROGEN FERTILIZER NUTRIENTS, PHOSPHORUS FERTILIZER NUTRIENTS, AND POTASSIUM FERTILIZER NUTRIENTS
2. THE CONTRACTOR MAY PERMANENTLY REMOVE ANY PORTION OF THE SILT FENCE AFTER ESTABLISHMENT OF FINAL GRADE AND / OR FINAL STABILIZATION RENDERS THE RESPECTIVE PORTION OF THE PERIMETER SILT FENCE INEFFECTIVE AS A BEST MANAGEMENT PRACTICE

**LEGEND**

- PROPOSED RIGHT-OF-WAY LINE
- EXISTING EDGE OF PAVEMENT
- PROPOSED EDGE OF PAVEMENT
- PERIMETER EROSION BARRIER
- EXISTING CONTOUR
- PROPOSED CONTOUR
- GROUTED RIPRAP (16")



Plot Date: 21 April 2023 | File Name: R:\Vpr\County\7932 Stephenson Co - Hollywood Rd Bridge\CADD\Cadd Civil\Sheets | User Name: Thoran

USER NAME = TREVOR LARSON, P.E.	DESIGNED -- TWL	REVISED -- .
	DRAWN -- TWL	REVISED -- .
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED -- TWO	REVISED -- .
PLOT DATE = April 21, 2023	DATE -- APRIL 12, 2023	REVISED -- .

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS

DECATUR (217) 422-8544  
SCHAUMBURG (773) 714-0050  
ROCKFORD (815) 489-0050  
i84-001397

**GRADING AND EROSION CONTROL PLAN**

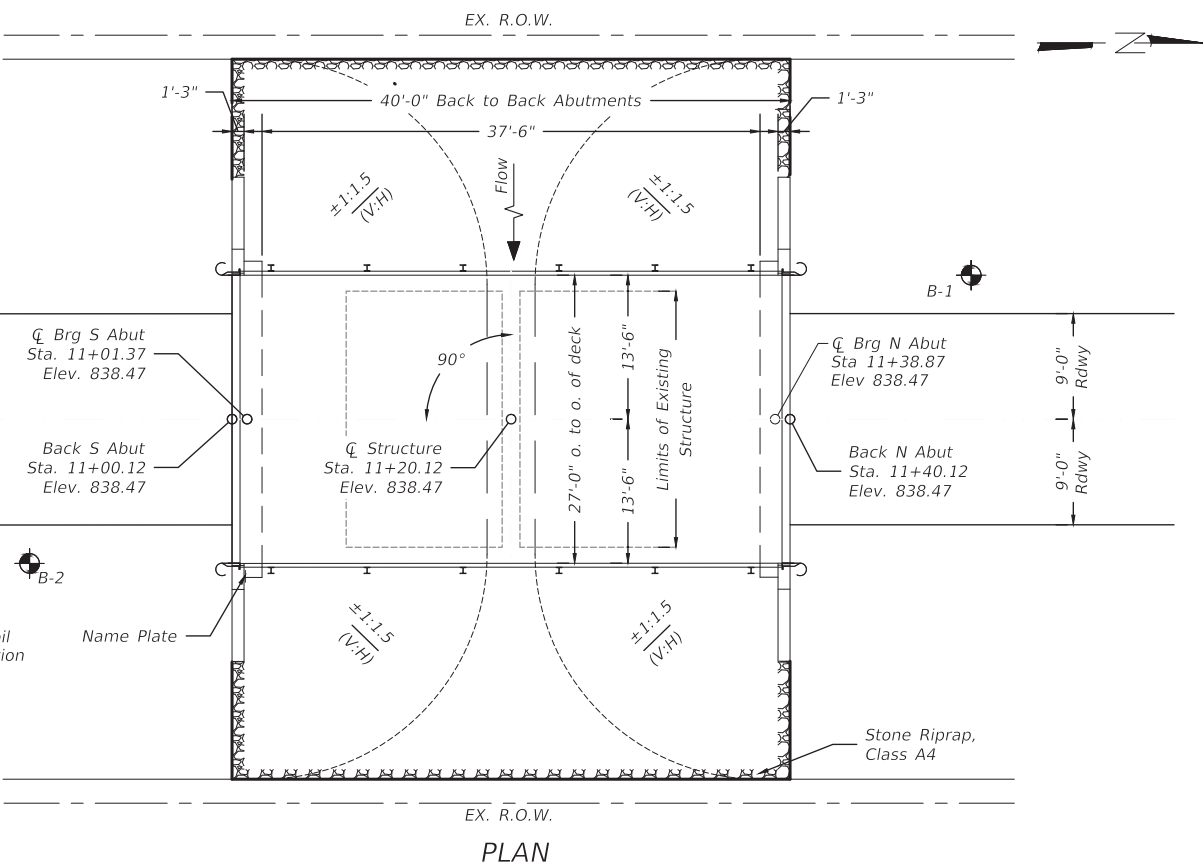
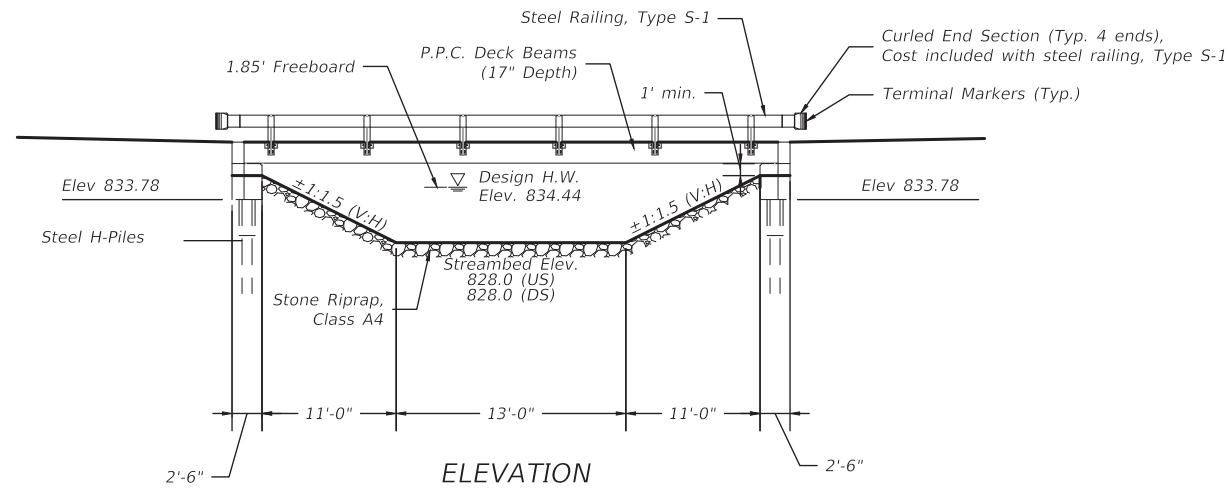
SCALE: 1" = 10'    SHEET NO.    OF    SHEETS    STA.    TO STA.   

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR222	20-15134-00-BR	STEPHENSON	17	5
CONTRACT NO. 85745				
PROJECT 7832	ILLINOIS	STRUCTURE 089-3300		

Existing Structure (089-5038):  
2 Cell Box Culvert (10' x 6')

Road to be closed during construction.

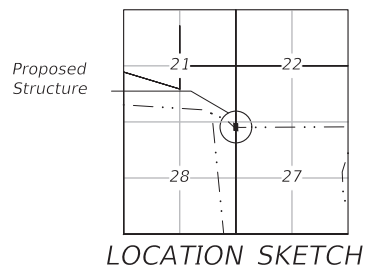
No Salvage.



**WATERWAY INFORMATION**

Drainage Area = 2.79 sq mi		Exist. Low Grade Elev. 838.33		Prop. Low Grade Elev. 838.47 @ Sta. 11+20.12					
Flood	Freq. Yr.	Q C.F.S.	Opening Ft <sup>2</sup>		Headwater El.		Head - Ft.		
			Exist.	Prop.	Nat. H.W.E.	Exist.	Prop.	Exist.	Prop.
Overtopping Ex.	--	1,400	120	216	834.47	838.78	836.64	4.31	2.17
Overtopping Pr.	--	2,900			835.74	839.64	840.22	3.90	4.48
Design	15	660			833.46	834.28	834.44	0.83	0.98
Base	100	1,070			834.08	836.90	835.66	2.82	1.58
Max Calc Scour	200	1,240			834.29	837.93	836.15	3.64	1.86

15 Year Velocity Through Existing Bridge = 8.45 ft/s  
15 Year Velocity Through Proposed Bridge = 5.77 ft/s



LOCATION SKETCH

CRANES GROVE CREEK  
TRIBUTARY BRIDGE  
BUILT 20\_\_ BY  
STEPHENSON COUNTY  
SEC. 20-15134-00-BR  
TR 222 STA. 11+20.12  
STR. NO. 089-3300 LOADING HL-93

**NAME PLATE**

See Std. 515001

**LOADING HL-93**

**DESIGN SPECIFICATIONS**

2018 AASHTO LRFD Bridge Design Specifications, 8th Edition with 2018 Interims

**DESIGN STRESSES**

**FIELD UNITS**

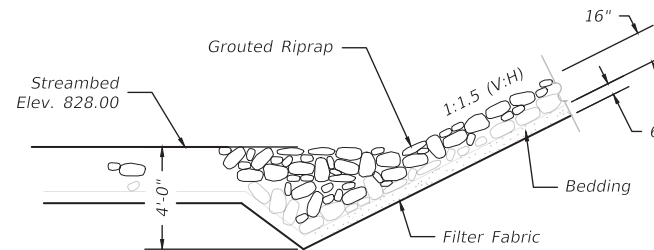
f'c = 3,500 psi  
fy = 60,000 psi (Reinforcement)

**PRECAST PRESTRESSED UNITS**

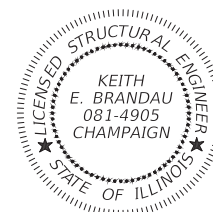
f'c = 6,000 psi  
f'ci = 5,000 psi  
f's = 270,000 psi (1/2 Ø low-relaxation strands)  
f'si = 202,000 psi (1/2 Ø low-relaxation strands)

**SEISMIC DATA**

Seismic Performance Zone (SPZ) = 1  
Design Spectral Acceleration at 1.0 sec (SD1) = 0.084  
Design Spectral Acceleration at 0.2 sec (SDS) = 0.141  
Soil Site Class = D



STONE RIPRAP ANCHOR DETAIL



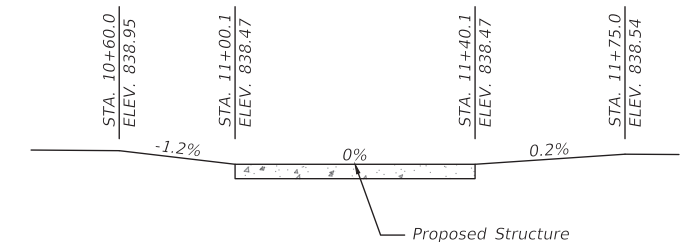
*Keith E. Brandau* 04/11/23

Keith E. Brandau, P.E., S.E. Date  
Expires 11/30/2023

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 current AASHTO Bridge Design Specifications.

**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.



**PROFILE GRADE**

(Along C Roadway)

**DESIGN SCOUR ELEVATION TABLE**

Event / Limit State	Design Scour Elevations (ft.)		
	S. Abut.	N. Abut.	Item 113
Q100	833.45	833.45	
Q200	833.45	833.45	
Design	833.45	833.45	
Check	833.45	833.45	

**TOTAL BILL OF MATERIAL**

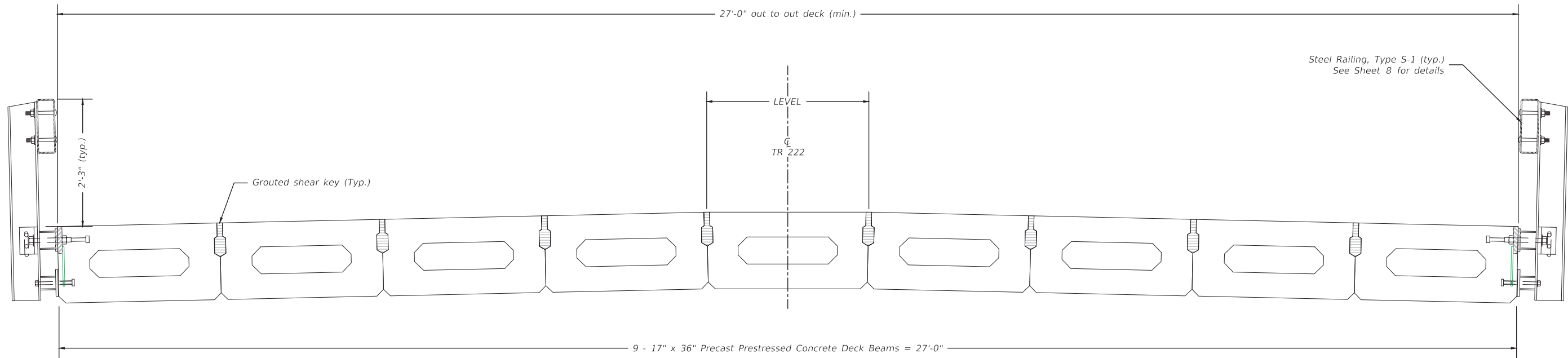
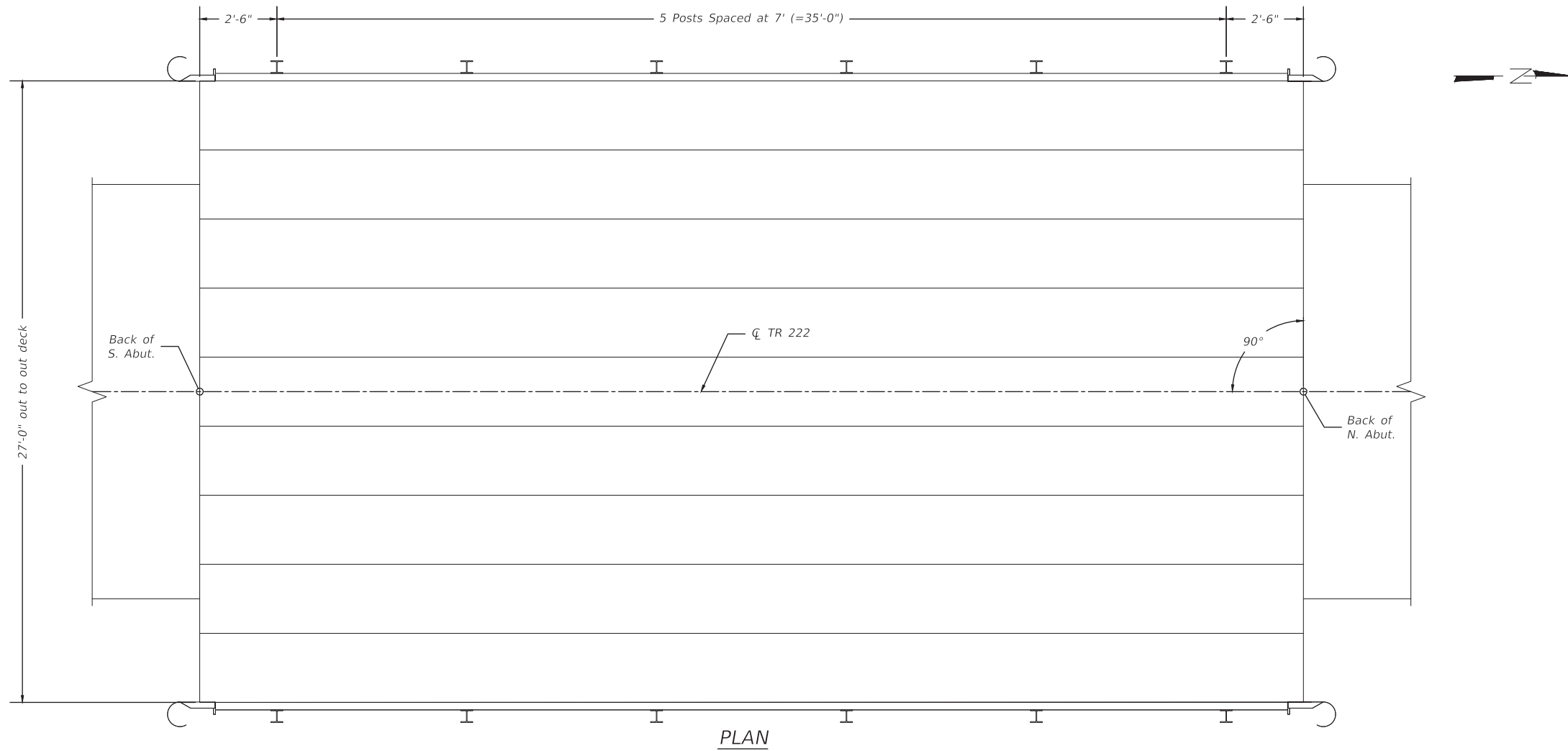
Item	Unit	Quantity
Removal of Existing Structures	Each	1
Structure Excavation	Cu Yd	122
Concrete Structures	Cu Yd	23.8
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq Ft	1044
Reinforcement Bars	Pound	4360
Steel Railing, Type S-1	Foot	80
Furnishing Steel Piles HP 10x42	Foot	136
Driving Steel Piles HP 10x42	Foot	136
Test Pile Steel HP 10x42	Each	2
Pile Shoes	Each	10
Name Plates	Each	1
Terminal Marker - Direct Applied	Each	4
Concrete Cut-off Wall	Cu Yd	8.8
Grouted Riprap	Sq Yd	283

USER NAME = TREVOR LARSON, P.E.	DESIGNED -- TWL	REVISED --
	DRAWN -- TWL	REVISED --
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED -- TWO	REVISED --
PLOT DATE = April 21, 2023	DATE -- APRIL 12, 2023	REVISED --



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184-001397

BRIDGE PLAN AND ELEVATION		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: _____	SHEET NO. _ OF _ SHEETS	TR222	20-15134-00-BR	STEPHENSON	17	6
STA. _____ TO STA. _____	PROJECT 7832	ILLINOIS	CONTRACT NO. 85745		STRUCTURE 089-3300	



Plot Date: 21 April 2023 | File Name: R:\Vpr\_Locum\7832\_Stephenson Co - Hollywood Rd Bridge\CADD\_Structural\Sheets | User Name: Tlarson

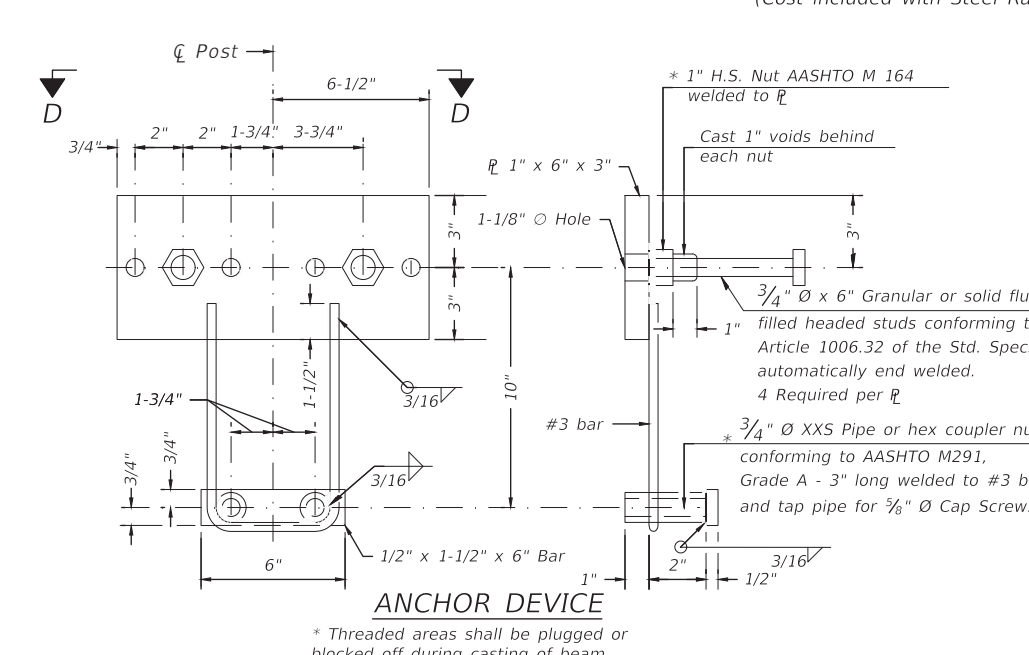
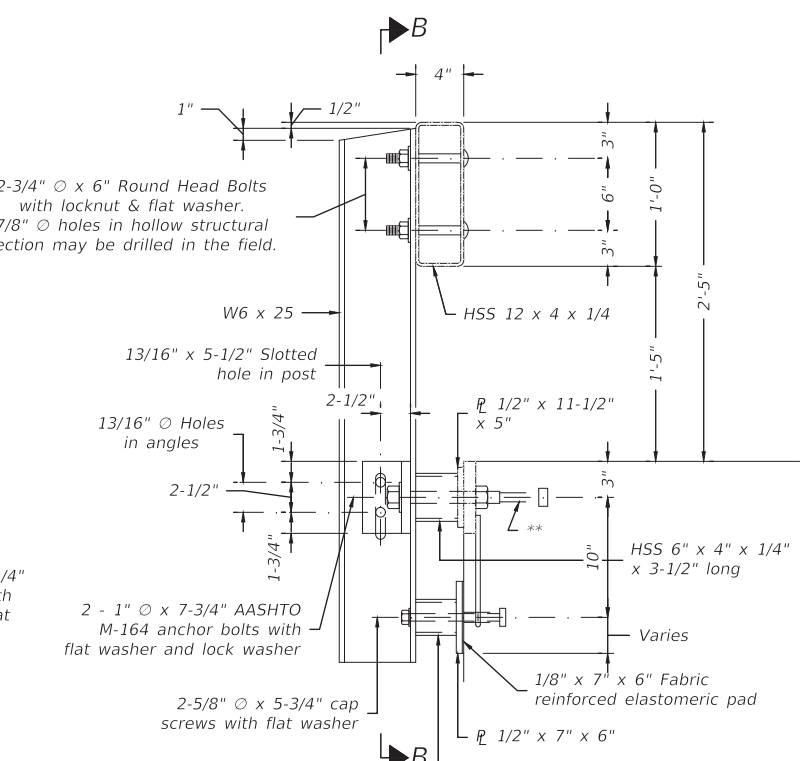
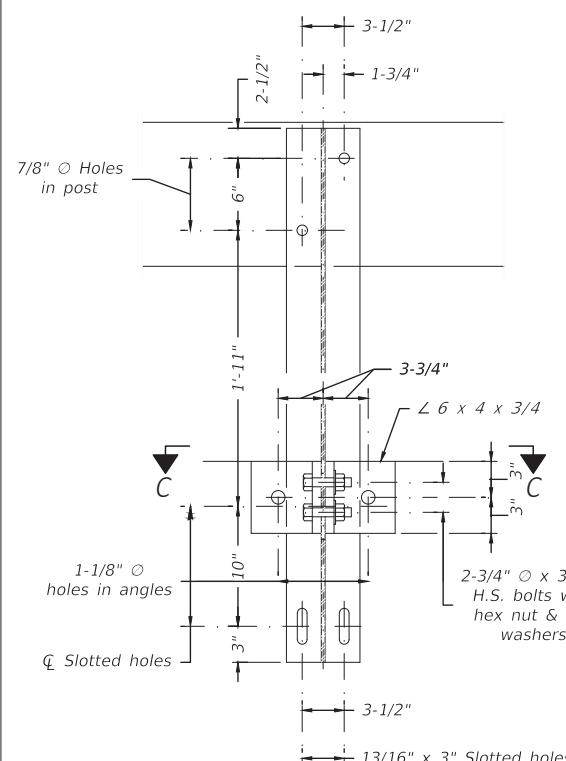
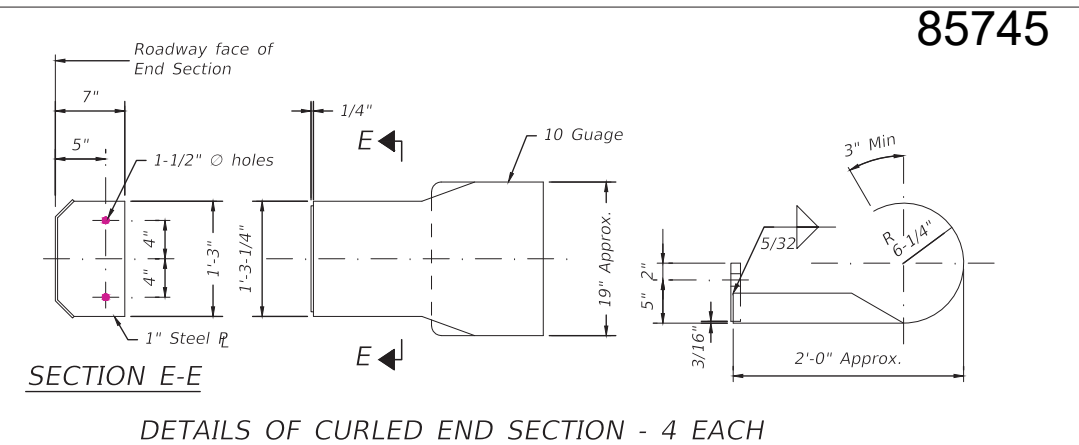
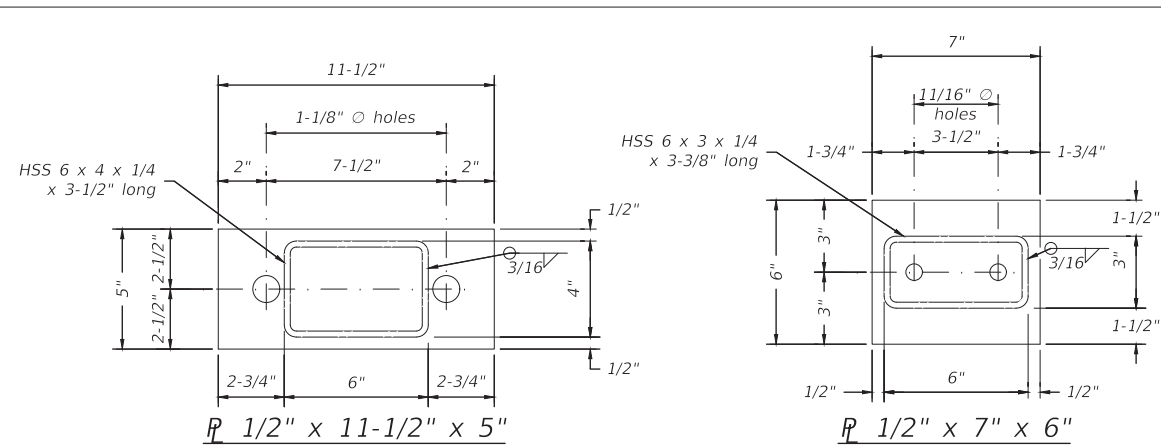
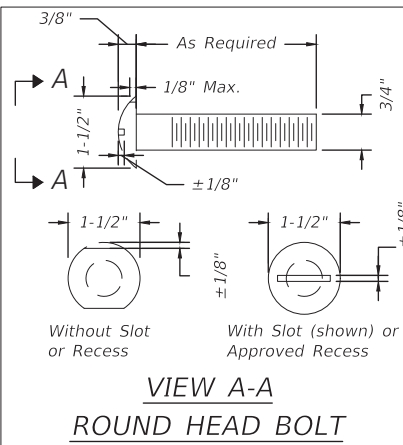
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	DRAWN — TWL	REVISED — .
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED — TWO	REVISED — .
PLOT DATE = April 21, 2023	DATE — APRIL 12, 2023	REVISED — .

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SUPERSTRUCTURE DETAILS		
SCALE: _____	SHEET NO. _ OF _ SHEETS	STA. _____ TO STA. _____

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR222	20-15134-00-BR	STEPHENSON	17	7
CONTRACT NO. 85745				
PROJECT 7832		ILLINOIS		STRUCTURE 089-3300

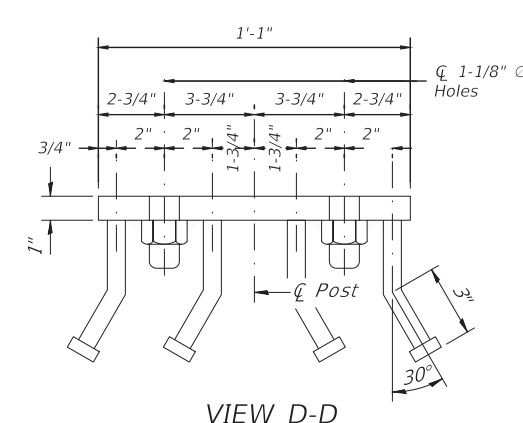
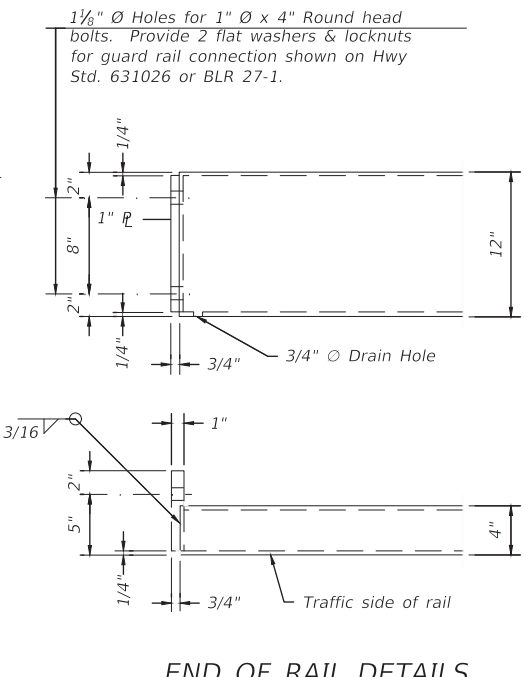
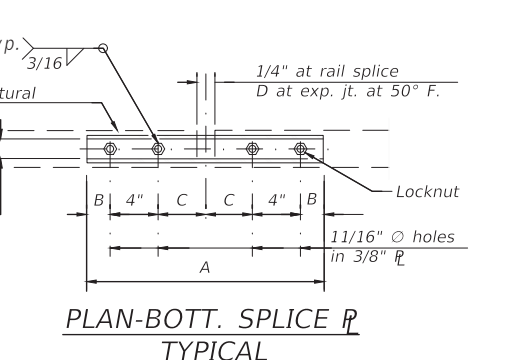
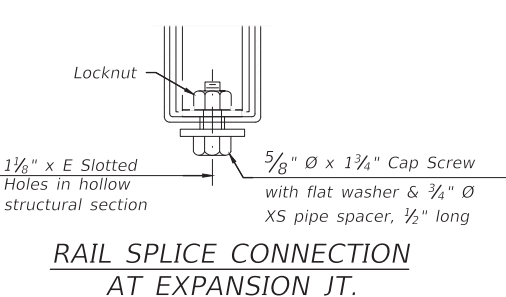
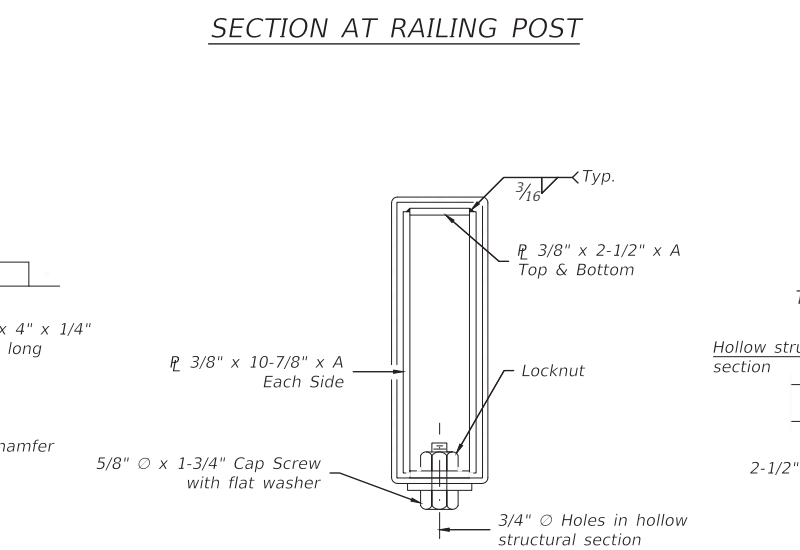
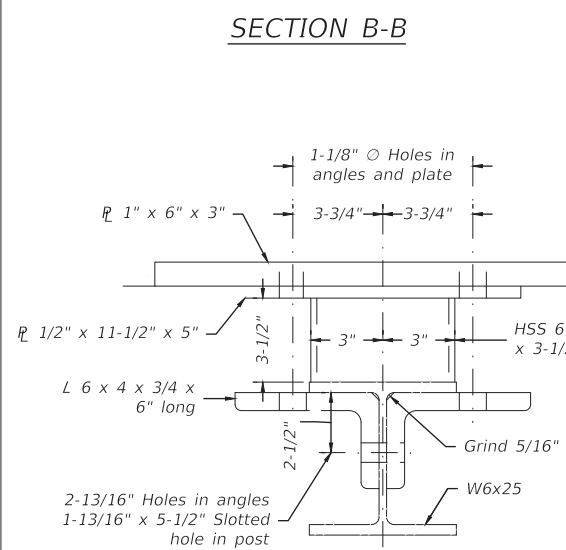


**SPLICE DIMENSIONS**

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1 1/4"	1'-8"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.

**Notes:**  
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.  
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



**BILL OF MATERIAL**

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	80

Plot Date: 21 April 2023 | File Name: R:\Vp1\Locom\7832 Stephenson Co - Hollywood Rd Bridge\CADD\_Structural\Sheets | User Name: Irtanon

R-23A 2-17-2017 (10'-9" Maximum Post Spacing)

USER NAME = TREVOR LARSON, P.E.	DESIGNED = TWL	REVISED = .
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED = TWO	REVISED = .
PLOT DATE = April 21, 2023	DATE = APRIL 12, 2023	REVISED = .

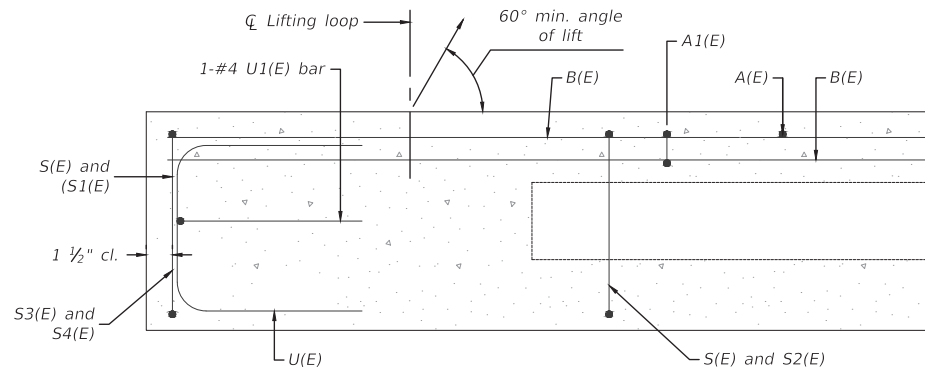
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STEEL RAILING DETAILS

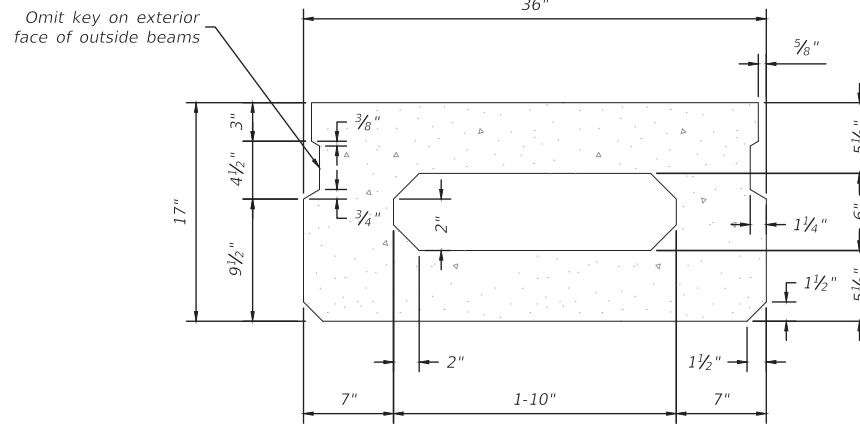
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR222	20-15134-00-BR	STEPHENSON	17	8
PROJECT 7832 ILLINOIS			CONTRACT NO. 85745	
STRUCTURE 089-3300				

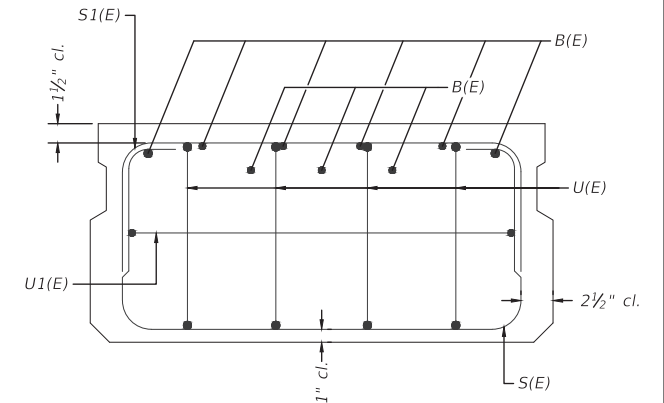




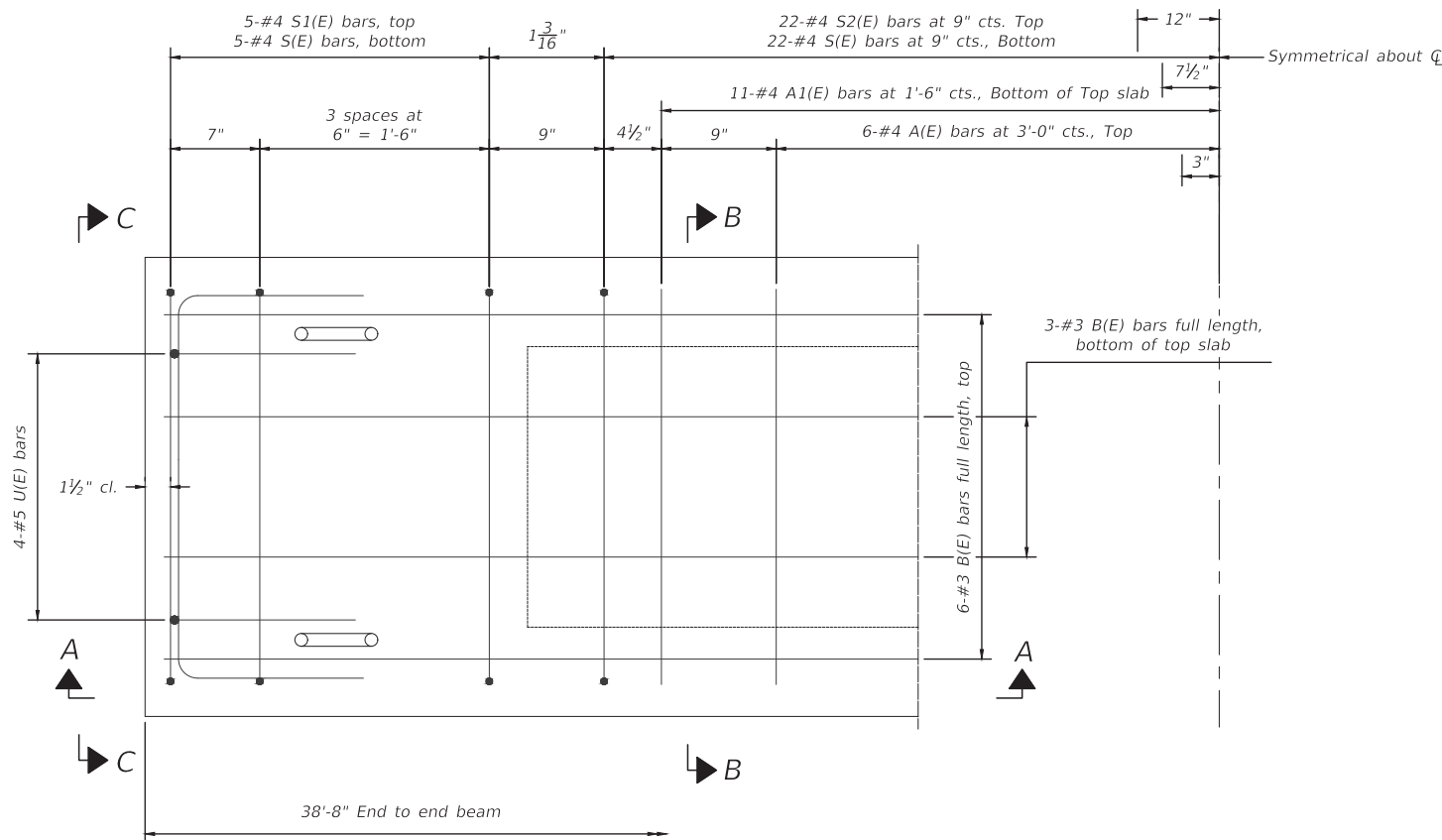
SECTION A-A



SECTION B-B  
(Showing Dimensions)

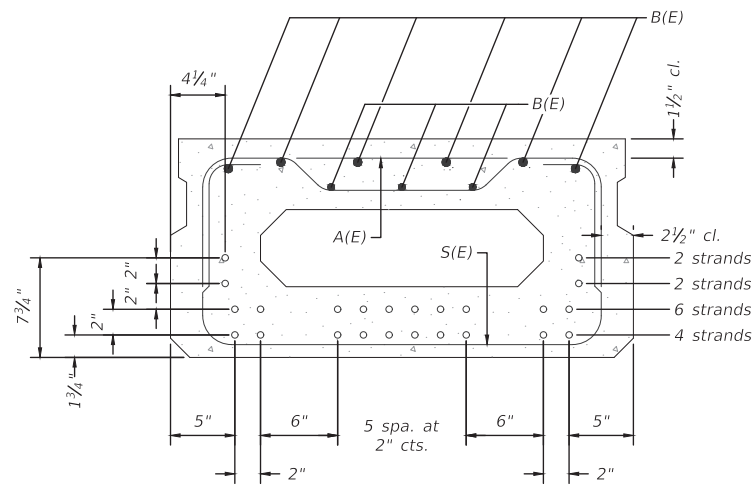


VIEW C-C



PLAN VIEW

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.



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)

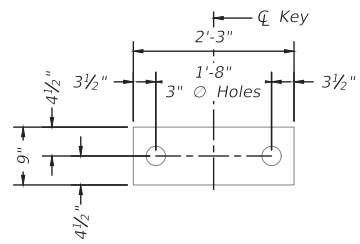
Bar	No.	Size	Length	Shape
A(E)	12	#4	2'-7"	—
A1(E)	23	#4	2'-10"	~
B(E)	9	#3	38'-5"	—
S(E)	55	#4	5'-9"	□
S1(E)	10	#4	4'-3"	□
S2(E)	45	#4	4'-6"	□
U(E)	8	#5	3'-8"	□
U1(E)	2	#4	5'-0"	□

Note: See sheet 10 for additional details and Bill of Material.

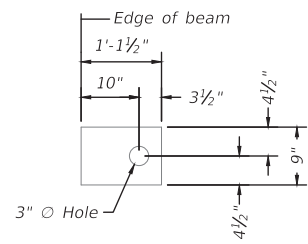
MINIMUM BAR LAP  
#3 bar = 1'-6"

USER NAME = TREVOR LARSON, P.E.	DESIGNED — TWL	REVISED — .
	DRAWN — TWL	REVISED — .
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED — TWO	REVISED — .
PLOT DATE = April 21, 2023	DATE — APRIL 12, 2023	REVISED — .

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR222	20-15134-00-BR	STEPHENSON	17	9
PROJECT 7832 ILLINOIS			CONTRACT NO. 85745 STRUCTURE 089-3300	



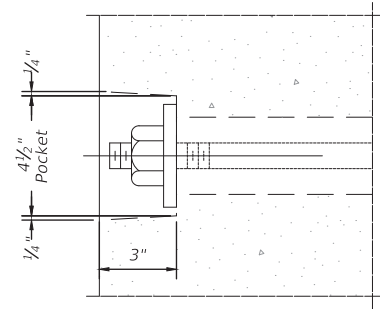
FABRIC BEARING PAD  
(Interior)



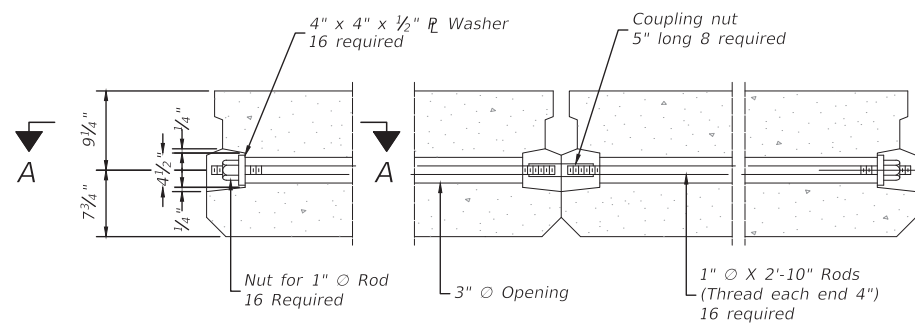
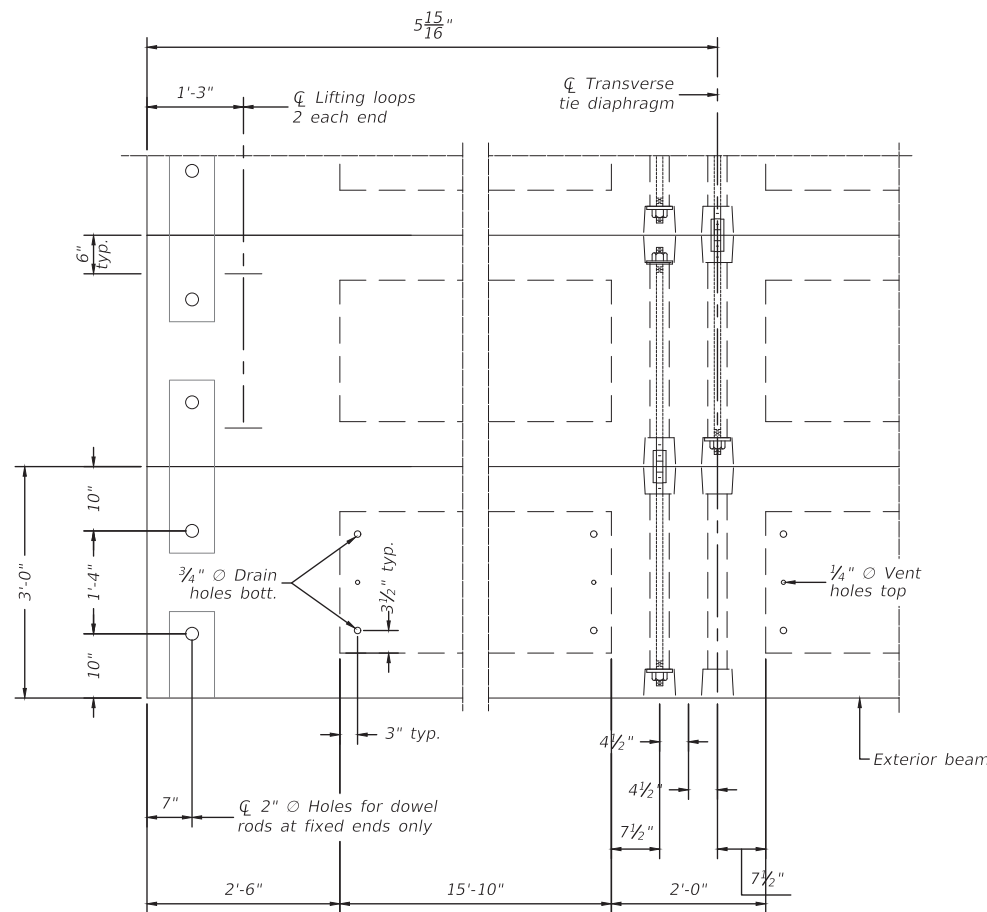
FABRIC BEARING PAD  
(Exterior)

FIXED

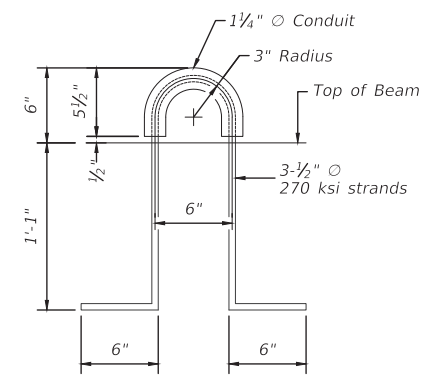
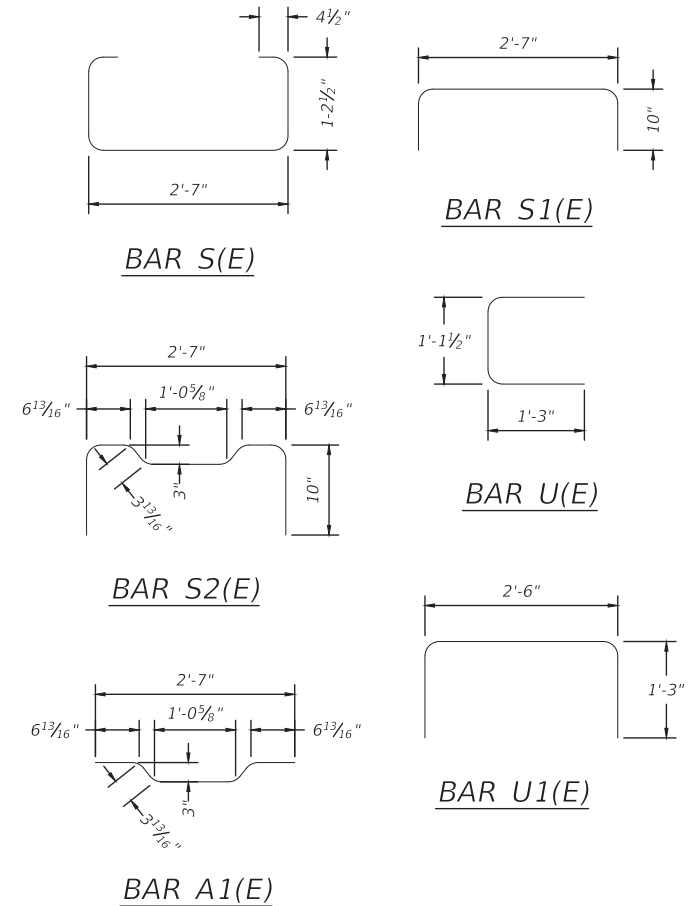
Notes:  
All bearing pads shall be 1" thick.  
Omit holes when using expansion bearings.  
Expansion bearing pads shall be bonded to the substructure.



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY



LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	1044
---	---------	------

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. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.  
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 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.

Note: Connect beams in pairs with the transverse tie configuration shown.

PDD-1736-L

1-1-2020

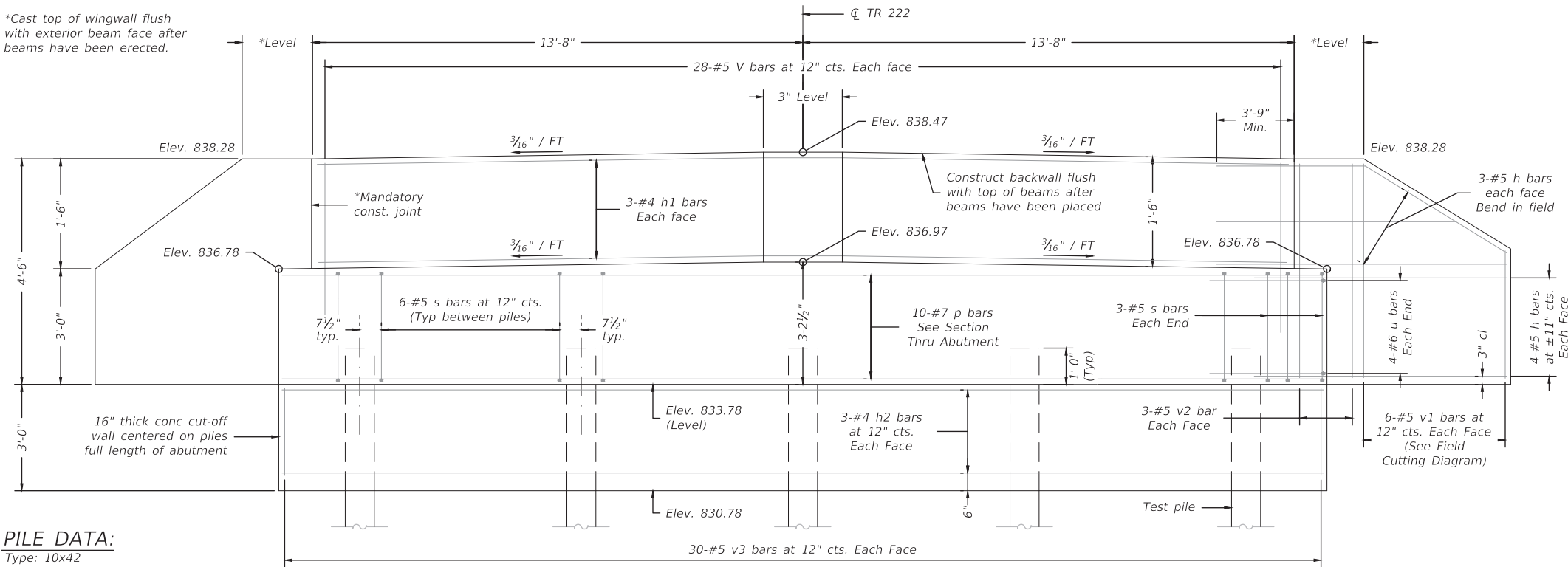
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	DRAWN = TWL	REVISED = .
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED = TWO	REVISED = .
PLOT DATE = April 21, 2023	DATE = APRIL 12, 2023	REVISED = .

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184-001397

17 X 36 PPC DECK BEAM DETAILS		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: _____	SHEET NO. _ OF _ SHEETS	TR222	20-15134-00-BR	STEPHENSON	17	10
STA. _____ TO STA. _____	PROJECT 7832	ILLINOIS	CONTRACT NO. 85745			
		STRUCTURE 089-3300				

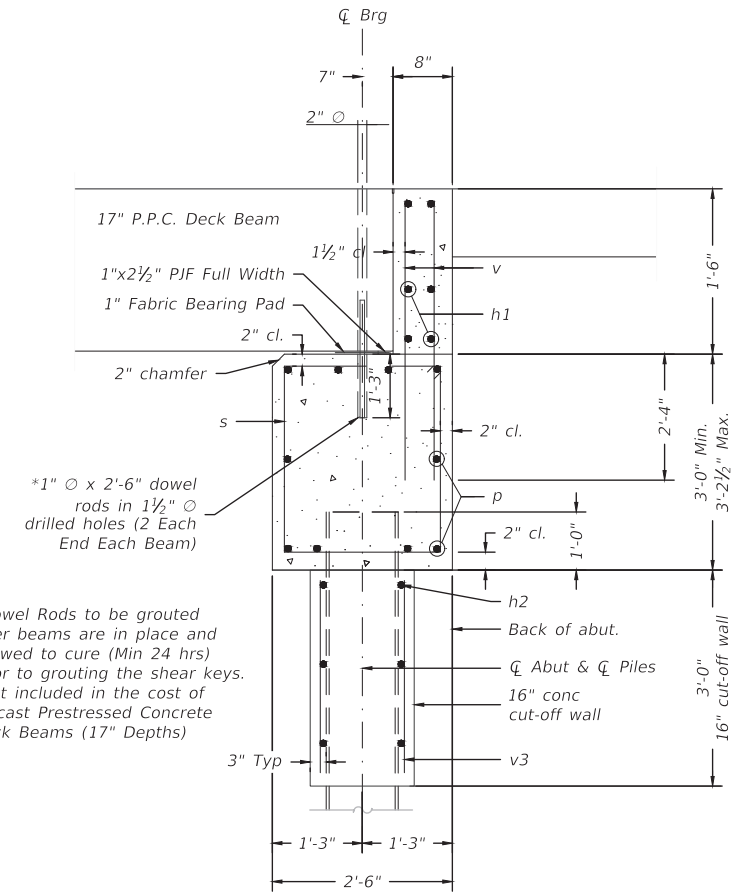
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\*Cast top of wingwall flush with exterior beam face after beams have been erected.



**PILE DATA:**  
 Type: 10x42  
 Nominal Required Bearing: 180 k  
 Factored Resistance Available: 99 k  
 Est. Length: 17'  
 No. Production Piles: 4  
 No. Test Piles: 1

**ELEVATION**



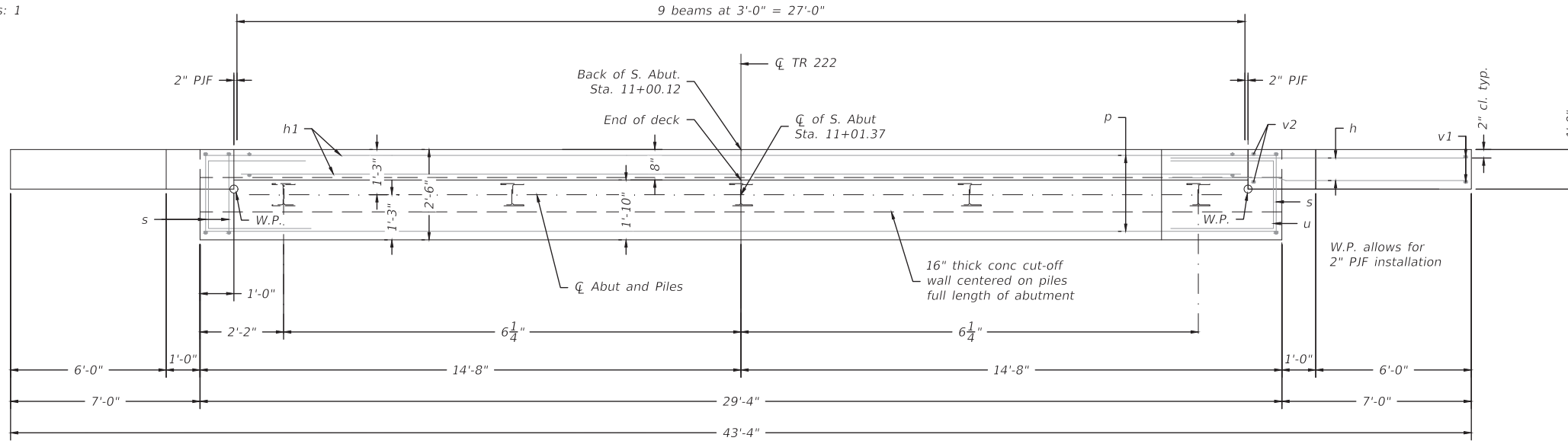
\*Dowel Rods to be grouted after beams are in place and allowed to cure (Min 24 hrs) prior to grouting the shear keys. Cost included in the cost of Precast Prestressed Concrete Deck Beams (17\"/>

**SECTION THRU ABUTMENT**  
 (Dimensions at Rt L's)

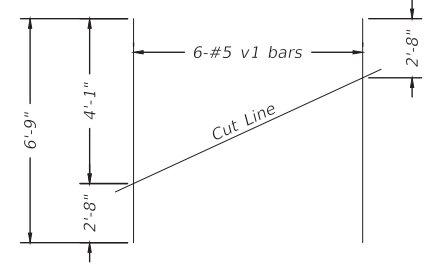
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h	28	#5	12'-0"	—
h1	6	#4	27'-0"	—
h2	6	#4	29'-0"	—
p	10	#7	29'-0"	—
s	30	#5	10'-7"	□
u	8	#6	12'-0"	□
v	56	#5	4'-0"	—
v1	12	#5	6'-9"	—
v2	12	#5	4'-1"	—
v3	60	#5	2'-8"	—
Structure Excavation		Cu. Yd.	61	
Concrete Structures		Cu. Yd.	11.9	
Reinforcement Bars		Pound	2180	
Furnishing Steel Piles HP 10x42		Foot	68	
Driving Piles		Foot	68	
Test Pile HP 10x42		Each	1	
Piles Shoes		Each	5	
Concrete Cut-off Wall		Cu. Yd.	4.4	

Notes:  
 For details of piles see sheet 13.

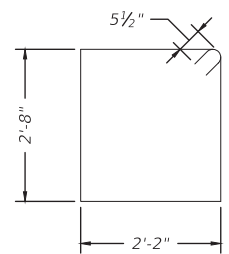


**PLAN**

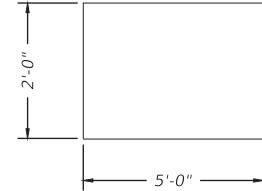


**FIELD CUTTING DIAGRAM**

Order v1 full length. Cut as shown and use remainder of bars in opposite face



**BARS s**



**BARS u**

USER NAME = TREVOR LARSON, P.E.	DESIGNED — TWL	REVISED — .
	DRAWN — TWL	REVISED — .
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED — TWO	REVISED — .
PLOT DATE = April 21, 2023	DATE — APRIL 12, 2023	REVISED — .

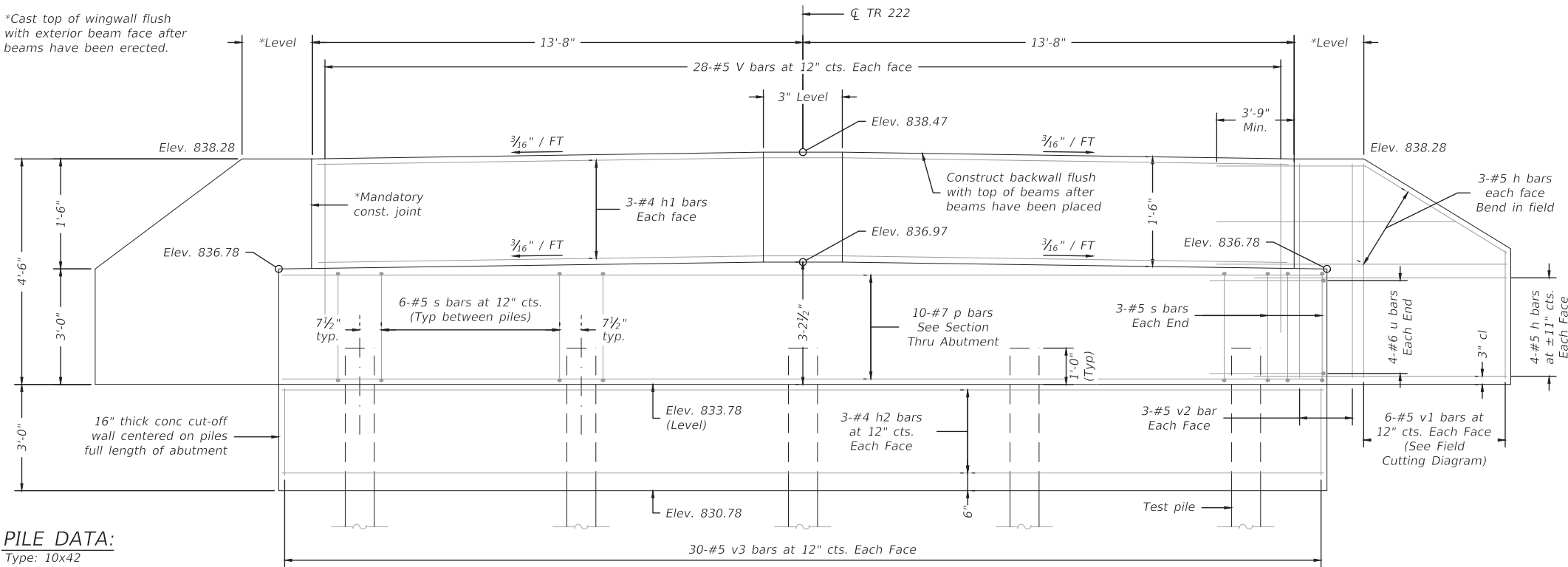
**CHASTAIN & ASSOCIATES LLC**  
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 SCHAUMBURG (773) 714-0050  
 ROCKFORD (815) 489-0050  
 184-001397

SOUTH ABUTMENT DETAILS	
SCALE: _____	SHEET NO. _____ OF _____ SHEETS
STA. _____ TO STA. _____	

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR222	20-15134-00-BR	STEPHENSON	17	11
PROJECT 7832 ILLINOIS			CONTRACT NO. 85745	
STRUCTURE 089-3300				

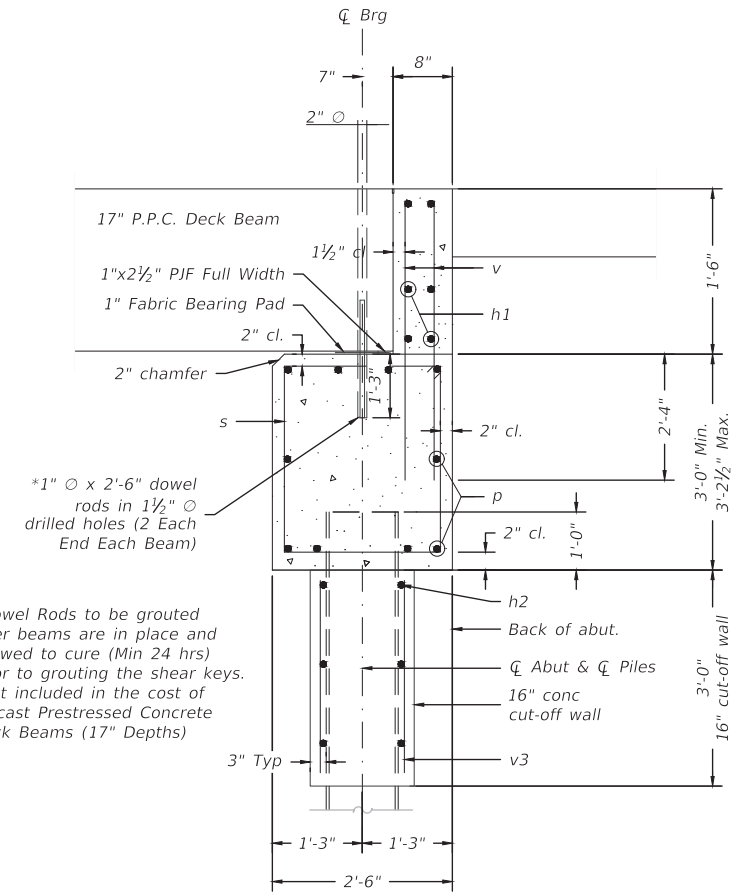
Plot Date: 21 April 2023 | File Name: R:\Vp1\Locum\7832 Stephenson Co - Hollywood Rd Bridge\CADD\_Structural\Sheets | User Name: Tlarson

\*Cast top of wingwall flush with exterior beam face after beams have been erected.



**PILE DATA:**  
 Type: 10x42  
 Nominal Required Bearing: 180 k  
 Factored Resistance Available: 99 k  
 Est. Length: 17'  
 No. Production Piles: 4  
 No. Test Piles: 1

**ELEVATION**



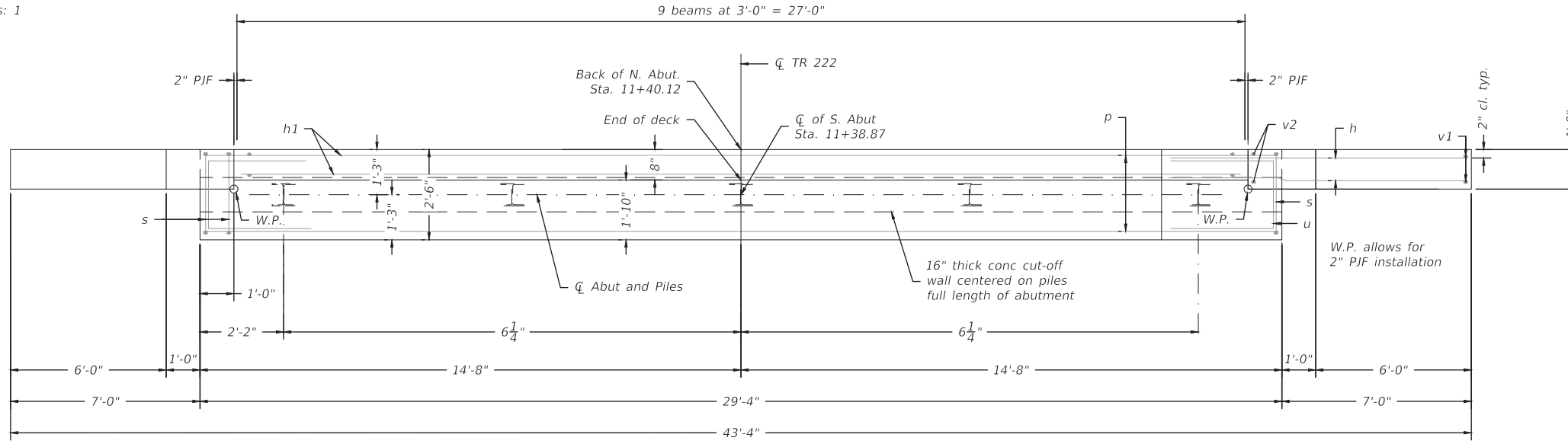
\*Dowel Rods to be grouted after beams are in place and allowed to cure (Min 24 hrs) prior to grouting the shear keys. Cost included in the cost of Precast Prestressed Concrete Deck Beams (17\"/>

**SECTION THRU ABUTMENT**  
 (Dimensions at Rt L's)

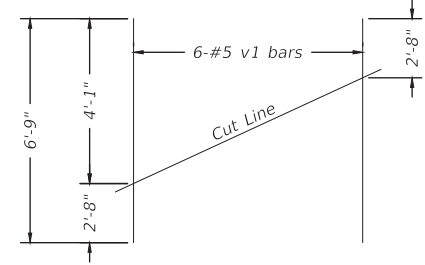
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h	28	#5	12'-0"	—
h1	6	#4	27'-0"	—
h2	6	#4	29'-0"	—
p	10	#7	29'-0"	—
s	30	#5	10'-7"	□
u	8	#6	12'-0"	□
v	56	#5	4'-0"	—
v1	12	#5	6'-9"	—
v2	12	#5	4'-1"	—
v3	60	#5	2'-8"	—
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Reinforcement Bars		Pound	2180	
Furnishing Steel Piles HP 10x42		Foot	68	
Driving Piles		Foot	68	
Test Pile HP 10x42		Each	1	
Piles Shoes		Each	5	
Concrete Cut-off Wall		Cu. Yd.	4.4	

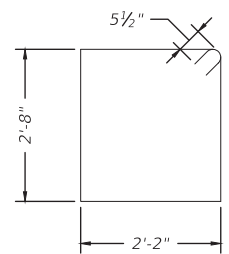
Notes:  
 For details of piles see sheet 13.



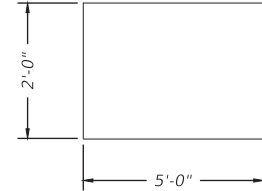
**PLAN**



**FIELD CUTTING DIAGRAM**  
 Order v1 full length. Cut as shown and use remainder of bars in opposite face



**BARS s**



**BARS u**

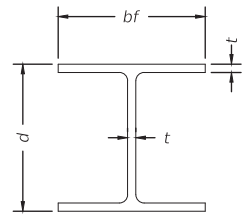
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	DRAWN = TWL	REVISED = .
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED = TWO	REVISED = .
PLOT DATE = April 21, 2023	DATE = APRIL 12, 2023	REVISED = .

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 ROCKFORD (815) 489-0050  
 184-001397

NORTH ABUTMENT DETAILS	
SCALE: _____	SHEET NO. _____ OF _____ SHEETS
STA. _____ TO STA. _____	

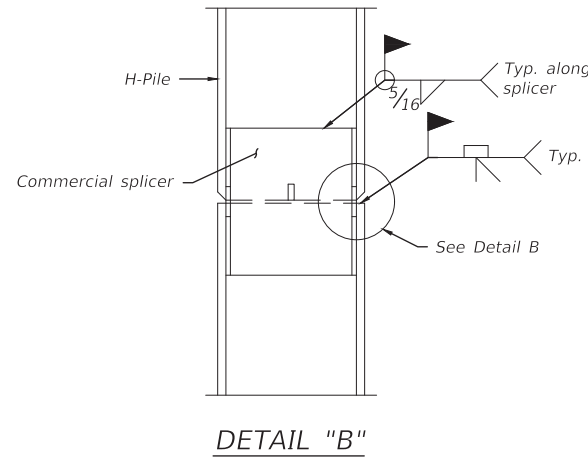
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR222	20-15134-00-BR	STEPHENSON	17	12
PROJECT 7832 ILLINOIS			CONTRACT NO. 85745	
STRUCTURE 089-3300				

Plot Date: 21 April 2023 | File Name: R:\Vp1\Locum\7832 Stephenson Co - Hollywood Rd Bridge\CADD\_Structural\Sheets | User Name: Tlarson

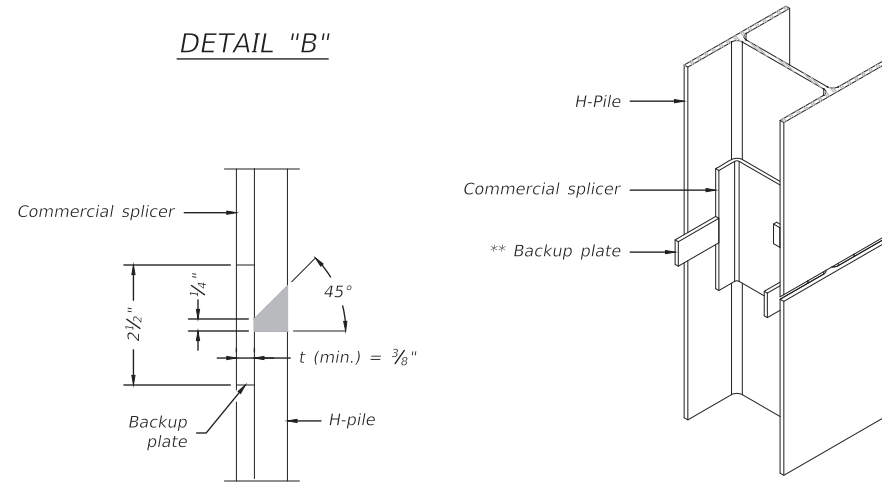


STEEL PILE TABLE

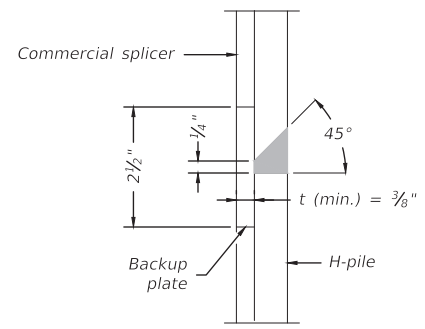
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 3/8"	14 3/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



DETAIL "B"

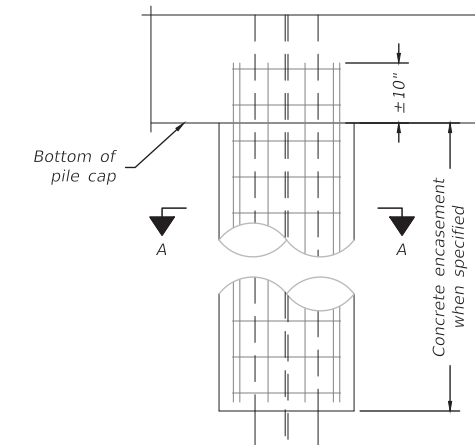


ISOMETRIC VIEW

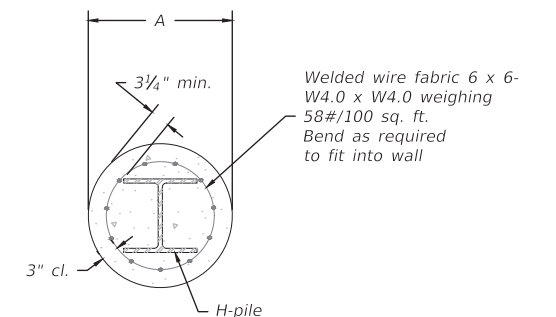


DETAIL "B"

WELDED COMMERCIAL SPLICE



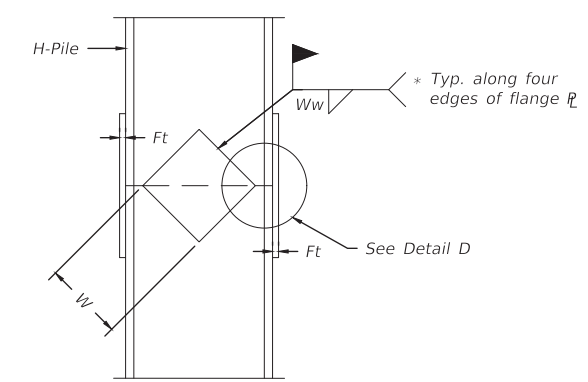
END VIEW



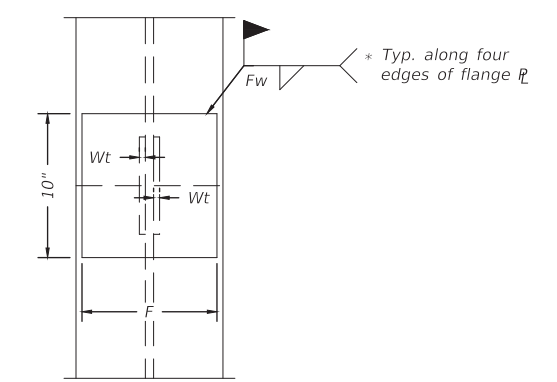
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASUREMENT

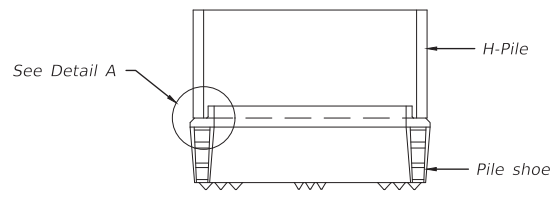
(Forms for encasement may be omitted when soil conditions permit)



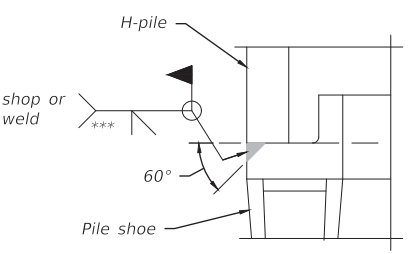
ELEVATION



END VIEW

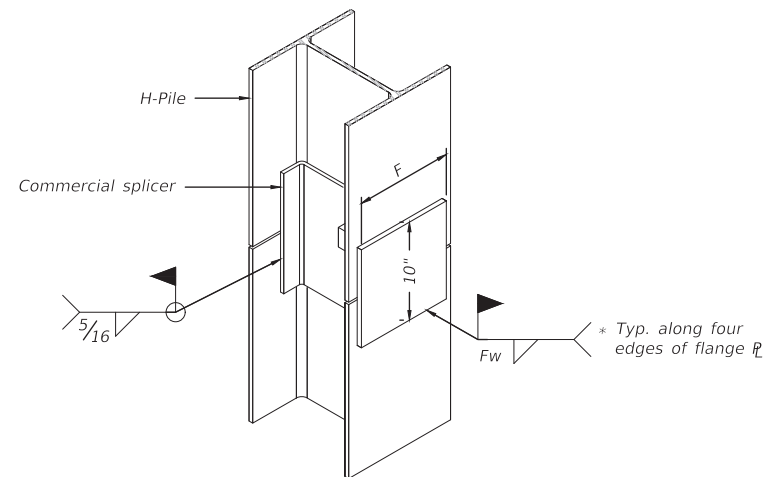


ELEVATION



DETAIL A

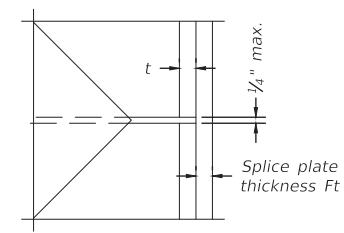
SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- \* Interrupt welds 1/4" from end of web and/or each flange.
- \*\* Remove portions of backup plates that extend outside the flanges.
- \*\*\* Weld size per pile shoe manufacturer (5/16" min.).



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

Note:  
The steel H-piles shall be according to AASHTO M270 Grade 50.

Plot Date: 21 April 2023 | File Name: R:\Projects\2023\1732\_Stephenson Co. - Hollywood Rd Bridge\CADD\Structural\Sheets | User Name: Titon

F-HP 2-17-2017

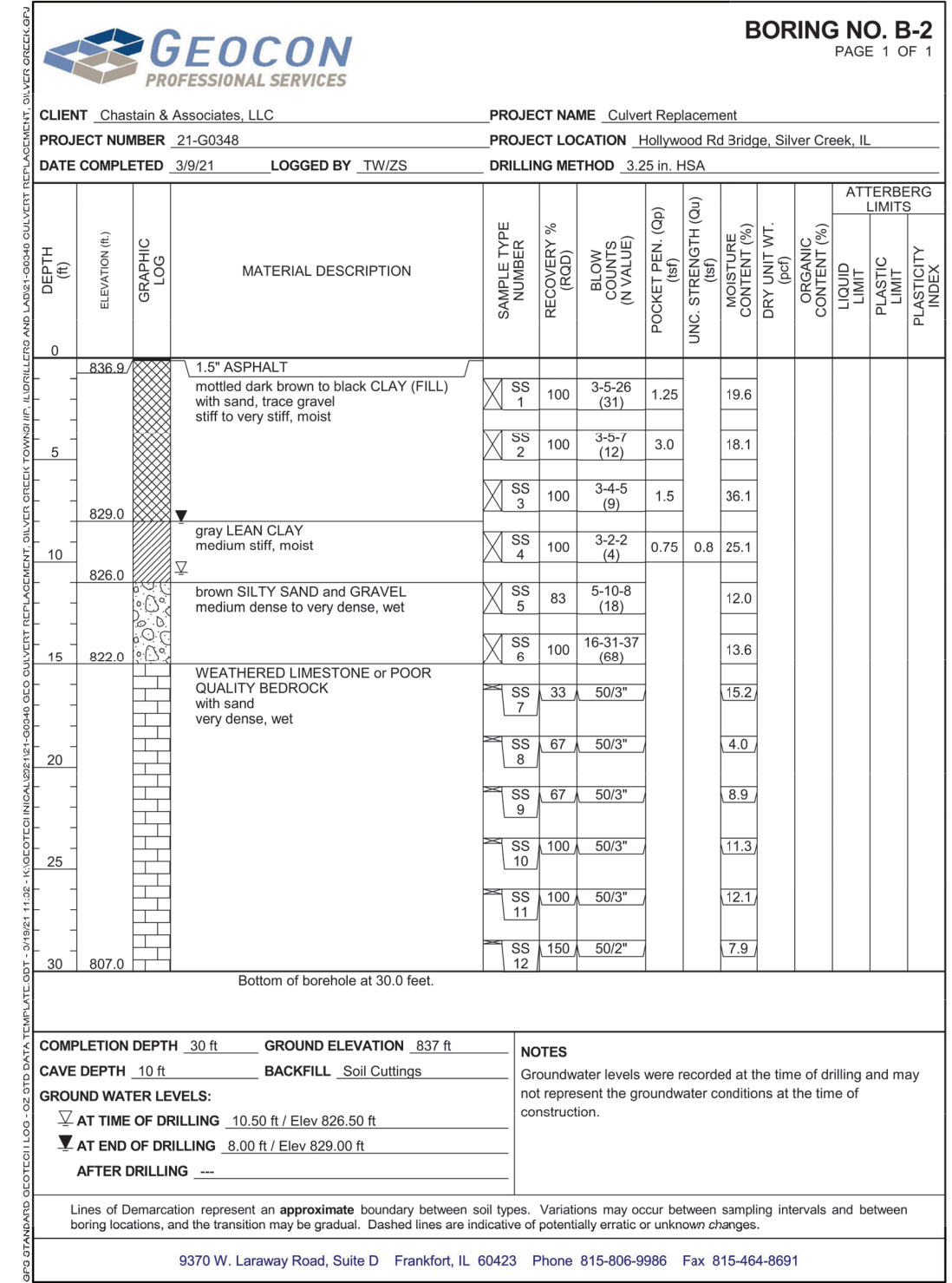
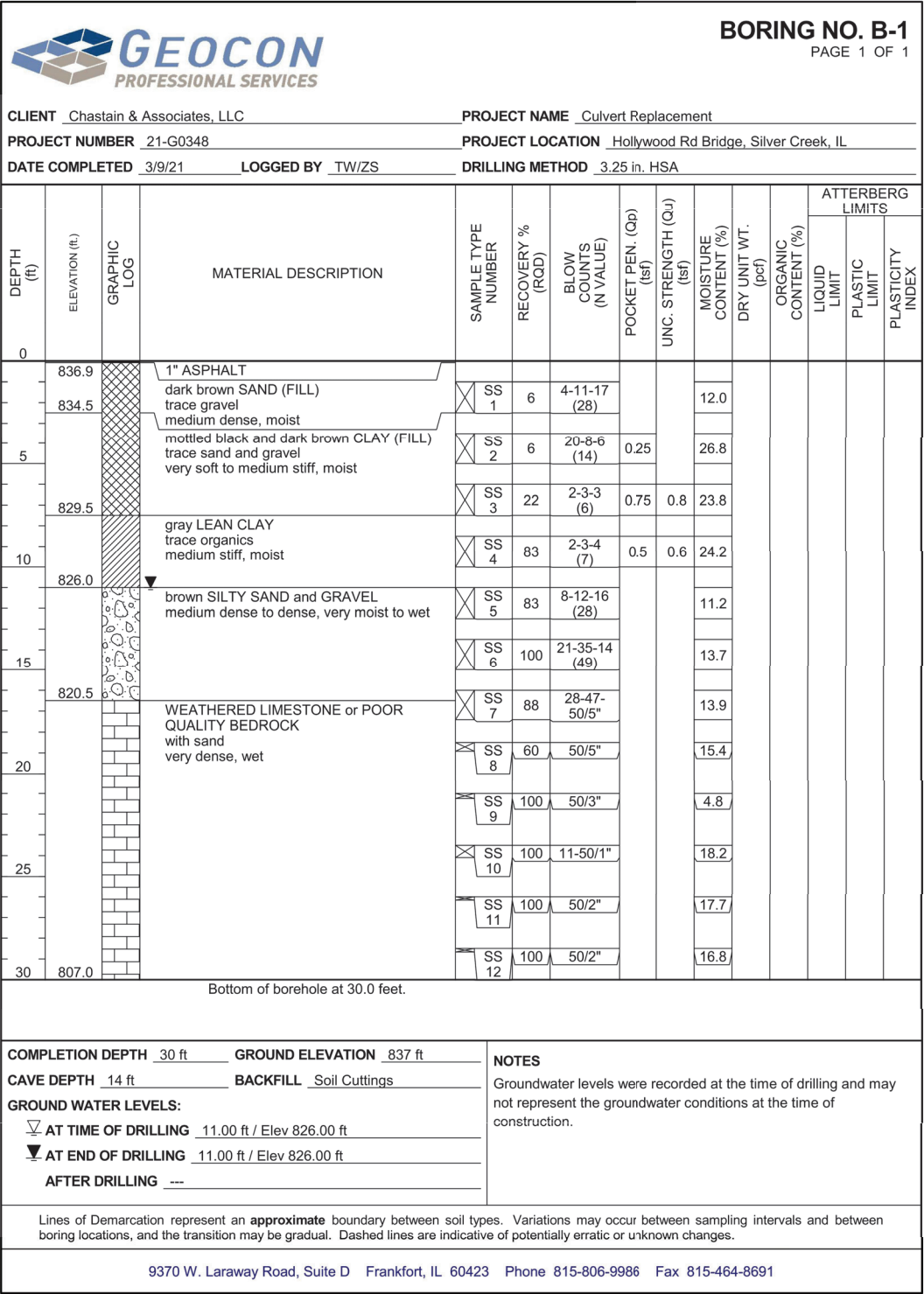
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DRAWN = TWL	REVISIONS = .	
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED = TWO	REVISED = .
PLOT DATE = April 21, 2023	DATE = APRIL 12, 2023	REVISED = .

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS

DECATUR (217) 422-8544  
SCHAUMBURG (773) 714-0050  
ROCKFORD (815) 489-0050  
184-001397

HP PILE DETAILS		
SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR222	20-15134-00-BR	STEPHENSON	17	13
PROJECT 7832 ILLINOIS			STRUCTURE 089-3300	



Plot Date: 21 April 2023 | File Name: R:\Vpr\County\7932 Stephenson Co - Hollywood Rd Bridge\CADD\Cadd\_Shts\1 | User Name: Thozan

USER NAME = TREVOR LARSON, P.E.	DESIGNED = TWL	REVISED = .
DRAWN = TWL	REVISIONS = .	
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED = TWO	REVISED = .
PLOT DATE = April 21, 2023	DATE = APRIL 12, 2023	REVISED = .

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS

DECATUR (217) 422-8544  
SCHAUMBURG (773) 714-0050  
ROCKFORD (815) 489-0050  
184-001397

BORING LOGS (1)		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N/A	SHEET NO. _ OF _ SHEETS	TR222	20-15134-00-BR	STEPHENSON	17	14
STA. _____ TO STA. _____	PROJECT 7832	ILLINOIS	CONTRACT NO. 85745			
			STRUCTURE 089-3300			

**GEOCON**  
PROFESSIONAL SERVICES  
GEOCON Professional Services, LLC  
9370 W. Laraway Road, Suite D  
Frankfort, IL 60423  
Telephone: 815-806-9986  
Fax: 815-464-8691

CLIENT Chastain & Associates, LLC

PROJECT NUMBER 21-G0348

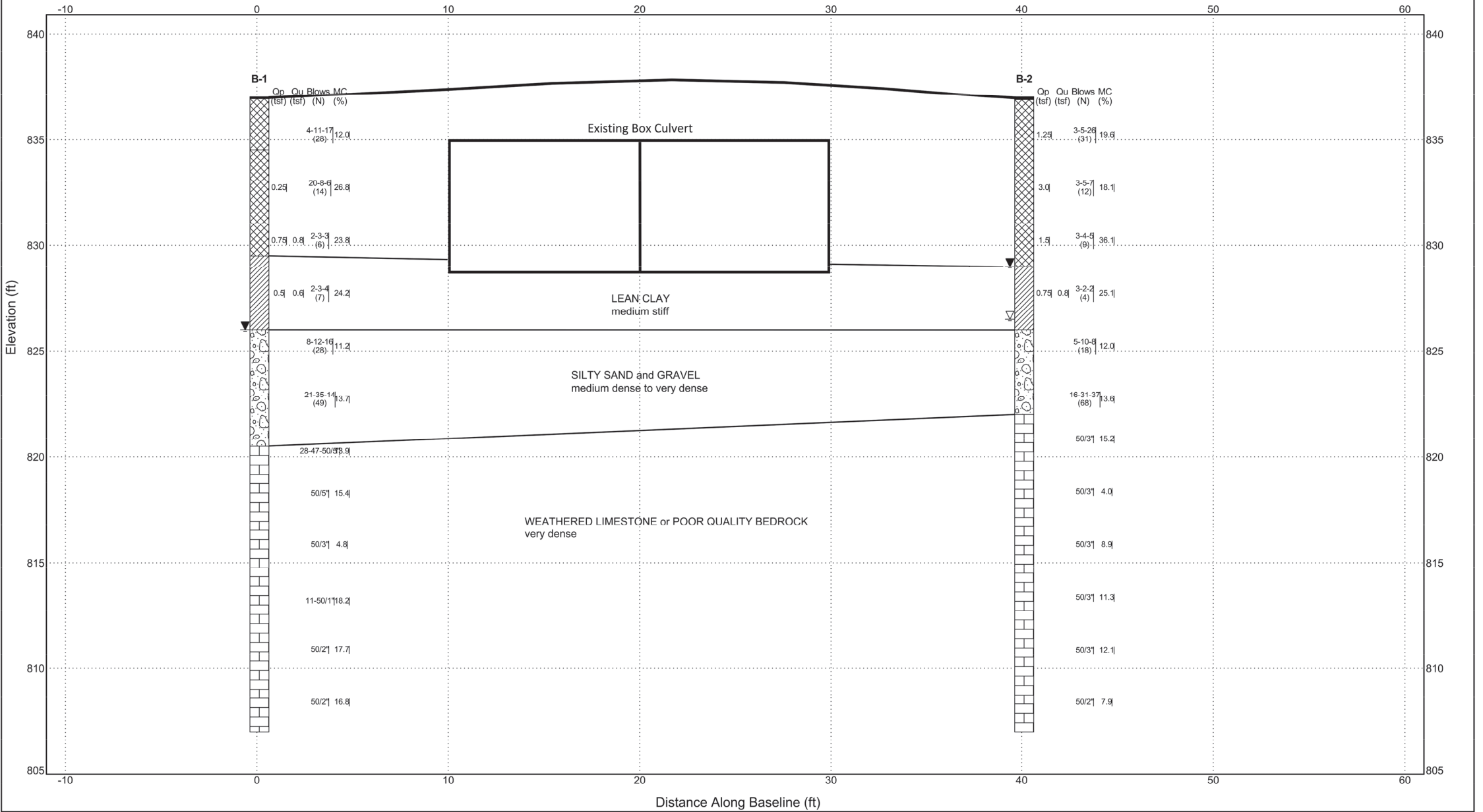
**SUBSURFACE DIAGRAM**  
**B-1 and B-2**

Asphalt  
USCS Poorly-graded Sandy Gravel  
Fill (made ground)  
Limestone  
USCS Low Plasticity Clay

PROJECT NAME Culvert Replacement

PROJECT LOCATION Hollywood Rd Bridge, Silver Creek, IL

SOIL WATER QP QU - B SIZE - OZ STD DATA TEMPLATE.GDT - 3/24/21 08:42 - K:\GEO\TECHNICAL\2021\21-G0348 GEO CULVERT REPLACEMENT, SILVER CREEK TOWNSHIP, ILLINOIS AND LAB\21-G0348 CULVERT REPLACEMENT, SILVER CREEK, ILLINOIS



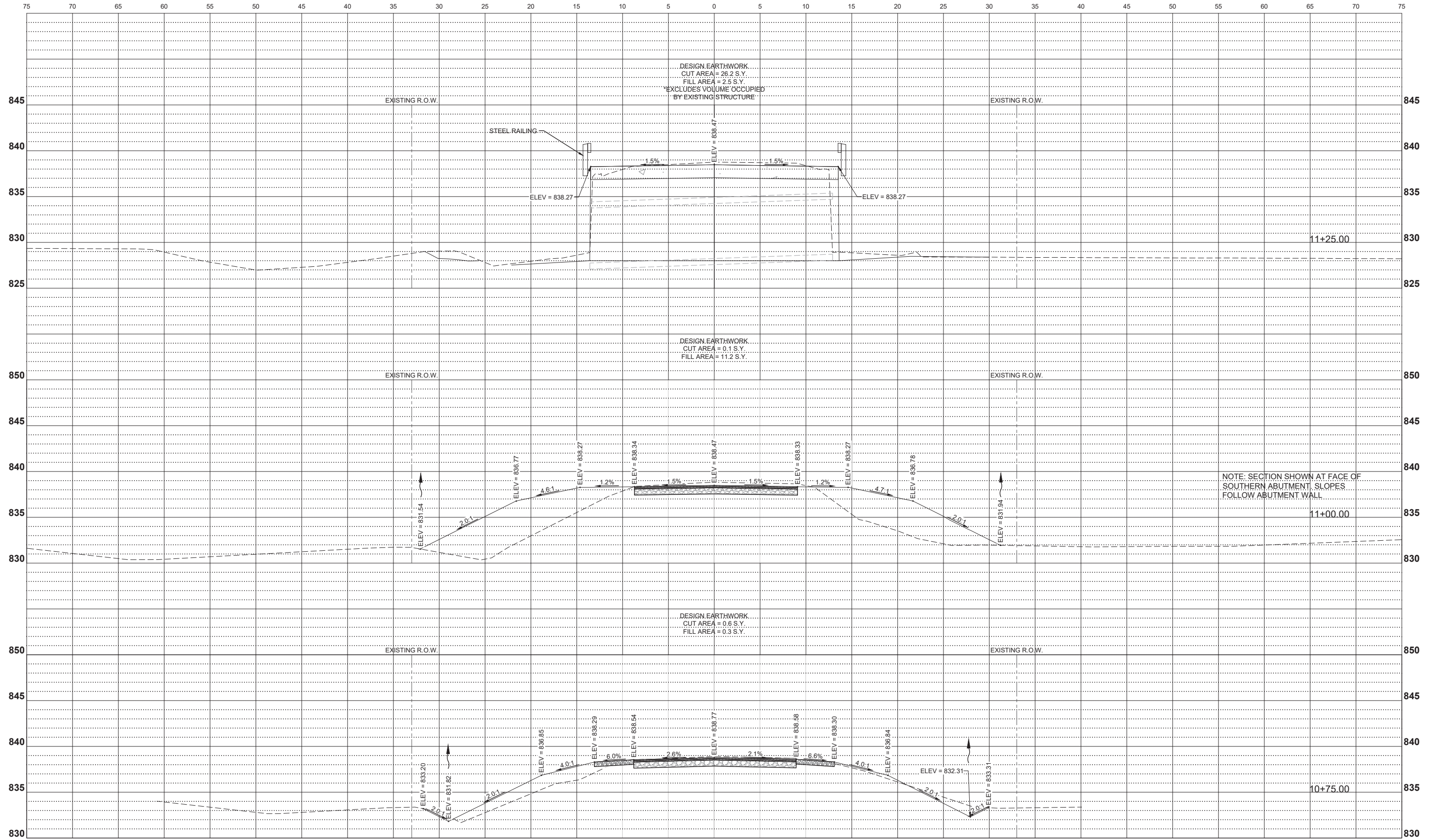
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	DRAWN — TWL	REVISED — .
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED — TWO	REVISED — .
PLOT DATE = April 21, 2023	DATE — APRIL 12, 2023	REVISED — .

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS  
DECATUR (217) 422-8544  
SCHAUMBURG (773) 714-0050  
ROCKFORD (815) 489-0050  
184-001397

BORING LOGS (2)	
SCALE: N/A	SHEET NO. <u>  </u> OF <u>  </u> SHEETS
STA. <u>  </u> TO STA. <u>  </u>	

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR222	20-15134-00-BR	STEPHENSON	17	15
PROJECT 7832 ILLINOIS			CONTRACT NO. 85745	
STRUCTURE 089-3300				



NOTE: SECTION SHOWN AT FACE OF SOUTHERN ABUTMENT. SLOPES FOLLOW ABUTMENT WALL

USER NAME = TREVOR LARSON, P.E.	DESIGNED -- TWL	REVISED --
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	DRAWN -- TWL	REVISED --
PLOT DATE = April 21, 2023	CHECKED -- TWO	REVISED --
	DATE -- APRIL 12, 2023	REVISED --

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS

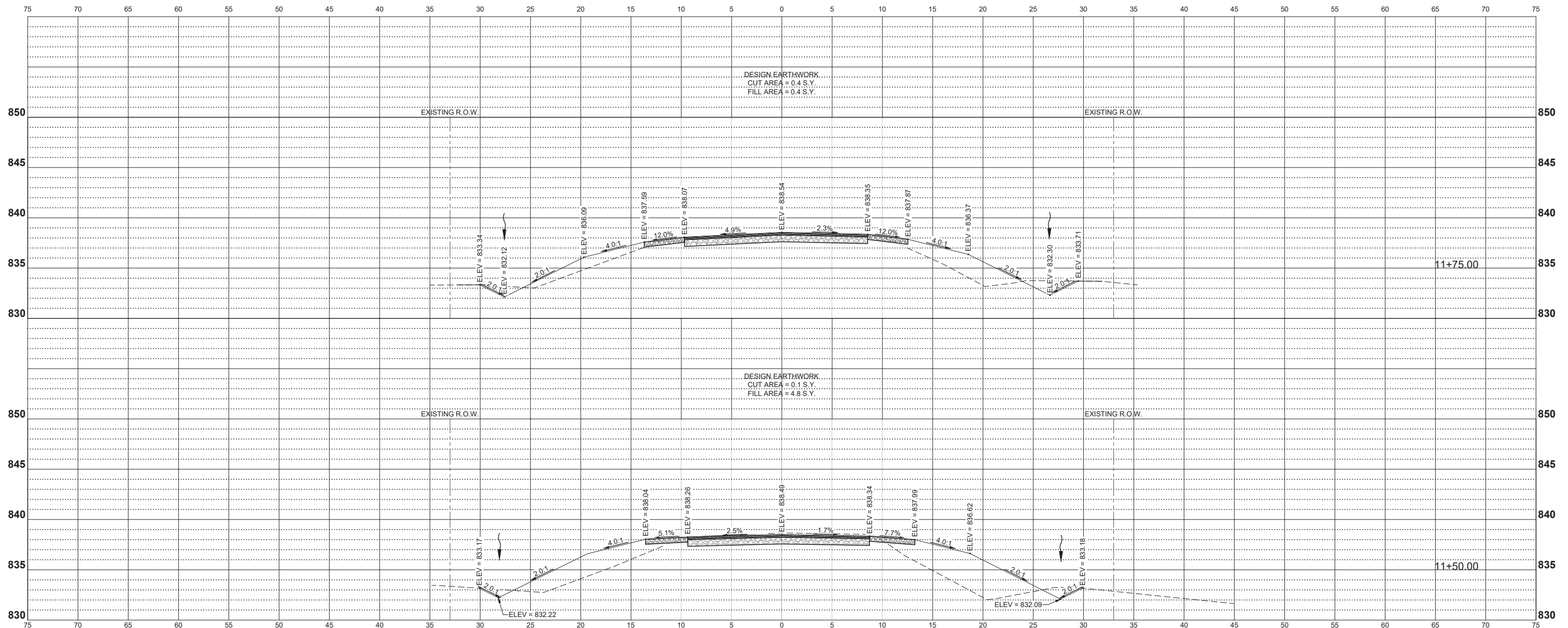
DECATUR (217) 422-8544  
SCHAUMBURG (773) 714-0050  
ROCKFORD (815) 489-0050  
184-001397

HOLLYWOOD ROAD X-SECTIONS

SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR222	20-15134-00-BR	STEPHENSON	17	16
PROJECT 7832 ILLINOIS			CONTRACT NO. 85745	
			STRUCTURE 089-3300	





USER NAME = TREVOR LARSON, P.E.	DESIGNED -- TWL	REVISED -- .
	DRAWN -- TWL	REVISED -- .
PLOT SCALE = ANSI FULL BLEED D (34.00 X 22.00 INCHES)	CHECKED -- TWO	REVISED -- .
PLOT DATE = April 21, 2023	DATE -- APRIL 12, 2023	REVISED -- .

**CHASTAIN & ASSOCIATES LLC**  
CONSULTING ENGINEERS

DECATUR (217) 422-8544  
SCHAUMBURG (773) 714-0050  
ROCKFORD (815) 489-0050  
184-001397

HOLLYWOOD ROAD X-SECTIONS (2)

SCALE: \_\_\_\_\_ SHEET NO. 17 OF 17 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR222	20-15134-00-BR	STEPHENSON	17	17
PROJECT 7832 ILLINOIS			CONTRACT NO. 85745 STRUCTURE 089-3300	