01-17-2025 LETTING ITEM 117

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION **DIVISION OF HIGHWAYS**

ROUTE SECTION COUNTY FAS 801 20-00131-00-8R LAWRENCE 21 CONTRACT 85970 ALUNOIS | PROJECT XSIQ(08+)

PLANS FOR PROPOSED LOCAL BRIDGE FORMULA PROGRAM

SECTION 20-00131-00-BR LAWRENCE COUNTY

INDEX OF SHEETS

PROJECT XSIQ(084) SHEET NO. DESCRIPTION JOB NO. C-97-028-24 COVER SHEET SUMMARY OF QUANTITIES, GENERAL NOTES, AND DETAILS FAS 801 SCHEDULE OF QUANTITIES AND HMA / AGGREGATE BASE COURSE BLEVATION TABLE TYPICAL SECTIONS PLAN AND PROFILE PLAN ERIDGE CHOULDER AND GUARGRAL FLAN GENERAL PLAN AND ELEVATION

PROFILE HOR, PROFILE VERT. **CROSS SECTIONS** VERT.

NOTE: SCALES VALID FOR 22" X 3-P SHEETS

Joint Utility Locating Information for Excavators

JULIE 1-800-892-0123

HIGHWAY STANDARDS

27" X 34" PPC DECK BEAM

27" X 26" PPC DECK BEAM DETAR S STEEL RAILING, TYPE SH

STEEL RAILING, TYPE SM DETAILS ABUTMENT DETAILS PILE DETAILS

CROSS SECTIONS OF ROADWAY

STANDARD 000001-09 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS STANDARD ZEDGO 1-07 TEMPORARY EROSION CONTROL SYSTEMS

STANDARD 405201-01 MAILBOX TURNOUT STANDARD \$15001-84 NAME PLATE FOR ERIDGES

STANDARD 630001-13 STEEL FLATE SEAM GUARDRAIL STANDARD 630301-09 SHOULDER WIDENING FOR TYPE I (SPECIAL)

GUARDRAIL TERMINALS STANDARD 601032-10 TRAFFIC BARRIER TERMINAL, TYPE QA STANDARD 701901-10 TRAFFIC CONTROL DEVICES

STANDARD 725001-UL OBJECT AND TERMINAL MARKERS STANDARD BUR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES

FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

68'-1 1½' SK - SK. ASLITMENTS STEEL H PILE / SPALTHROUGH ABUTMENTS

30' WIDE DECK EXISTING STRUCTURE NO. 051-3126

SECTION 20-00131-00-BR BEGINS STA, 1+50,00 SINGLE-SPAN PRECAST PRESTRESSED. CONCRETE DECK BEAM BRIDGE R 13 W SECTION 20-00131-00-BR ENDS STA, 11+00.00 T 5 N

CONTRACT 95970 FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR ADT = 350DESIGN SPEED = 40 MPH

NET LENGTH SECTION 20-00131-00-BR = 950,00 Ft. = 0.180 Mi.

R 13 W

CHARLESTON ENGINEERING, INC.

CONSULTING ENGINEERS - LAND SURVEYORS

LICENSE EXPIGES 11/08/2028

105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 82480

(618) 392-0736 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184 003513

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PASSED

Releasing For වස පිෘදුදේ සුම

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT JULIE (1-800-892-0123) BEFORE COMMENCING WORK, UNDERGROUND UTILITIES SHOWN ON THE PLAN SHEETS WERE OBTAINED FROM LOCAL UTILITY COMPANIES AND OTHER AVAILABLE SOURCES, LOCATIONS, SIZE, MATERIAL, DESCRIPTION, OR TYPE OF EXISTING UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCUPATE, SUFFICIENT, OR COMPLETE AND SHALL BE CONSIDERED APPROXIMATE. ABOVE GROUND UTILITY LOCATIONS ARE SHOWN AS FOUND DURING THE INITIAL SURVEY FIELD WORK AND MAY NOT REFLECT CURRENT CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND AND OTHER UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION ALL UNDERGROUND UTILITIES AND COORDINATION WITH UTILITY COMPANIES.

THE ESTIMATED QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 INCLUDES 190 TONS FOR THE FIRST LIFT, 340 TONS FOR THE FINAL LIFT, AND 10 TONS AT RT. STA. 10+45 P.E. (FOR INFORMATION ONLY). THE HOT-MIX ASPHALT SHALL END AT THE BACK OF EACH ABUTMENT-NO H.M.A. OVERLAY ON THE BRIDGE STRUCTURE.

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

AGGREGATE DITCH (SPECIAL) 1.75 TONS/CU YD STONE DUMPED RIPRAP, CLASS A4 AGGREGATE BASE COURSE, TY-B 1.75 TONS/CU YD 2.0 TONS/CU YD BITUMINOUS MATERIALS (PRIME COAT) 0.25 18/SQ FT BITUMINOUS MATERIALS (TACK COAT)—OVER NEW HMA LIFTS 0.025 LB/SQ FT BITUMINOUS MATERIALS (TACK COAT)—OVER EX. HMA LIFTS 0.05 LB/SQ FT AND EXISTING OIL & CHIP SURFACES

HOT-MIX ASPHALT SURFACE COURSE 112 LBS/(SQ YD * INCH THICKNESS)

PAVEMENT DESIGN DATA

ADT = 350 CLASS IV

MAJOR COLLECTOR

DESIGN SPEED = 40 MPH

PV = 308SU = 31

MU = 11

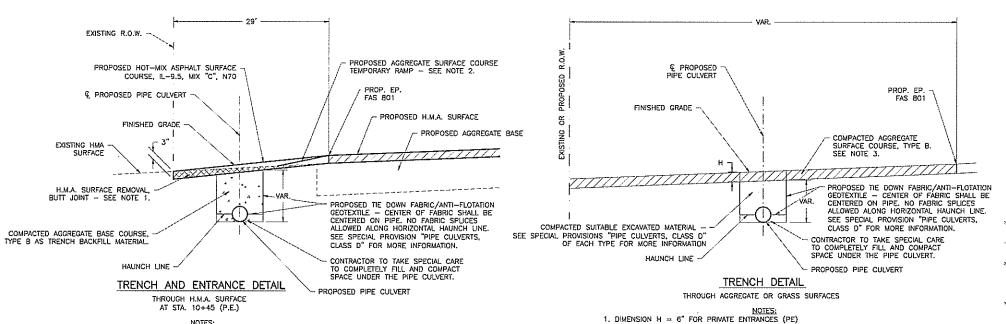
PAVEMENT TYPE: HOT-MIX ASPHALT, 3" TOTAL NOMINAL THICKNESS

BASE TYPE: AGGREGATE BASE COURSE, TYPE B - 12" THICK

PROPOSED PAVEMENT STRUCTURE MATERIALS: STA. 1+50 TO 11+00

1½" H.M.A. SURFACE COURSE - FINAL LIFT 1½" H.M.A. SURFACE COURSE - FIRST LIFT 3" TOTAL H.M.A. OVERLAY

HOT-MIX ASPHALT MIXTURE REQUIREMENTS						
FAS 801 (CH 10)						
HOT-MIX ASPHALT SURFACE COURSE						
PG 64-22						
4% @ N=70 GYRATIONS						
IL-9.5						
MIXTURE "C"						
112 LBS / SQ YD / INCH THICKNESS						
QC/QA						



NOTES:

SCHEDULE OF KNOWN UTILITIES

DESIGN STAGE JULIE NO. X1541228

UTILITY COMPANY NORRIS ELECTRIC CO-OP ATAIT TRANSMISSION TELEPORT COMMUNICATIONS AMERICA FRONTIER COMMUNICATIONS FLAT ROCK TELEPHONE CO-OP	TYPE ELECTRIC COMMUNICATIONS COMMUNICATIONS COMMUNICATIONS	CONTACT NAME TIM HUBER VANESSA ROSS TIM LAPOINTE BRIAN VANGUNDY VINCENT DECKER	PHONE NUMBER 618-783-8765 217-381-4284 281-352-3631 618-395-6189 618-584-3211	E-MAIL ADDRESS thuber@norriselectric.com vf2021@alt.com tl0595@alt.com brian.vangundy@ftr.com vince@frtci.net	MAILING ADDRESS 8543 N. ELINOIS 130, NEWTON, IL 62448 2500 COLT ROAD, SPRINGFIELD, IL 62707 1010 PINE ST. 19 W-C-01, ST. LOUIS, MO 63101 225 E. CHESTRUT ST, OLNEY, IL 62450 104 RUNDLE ST. FLAT ROCK, IL 62427
PLAT ROCK TELEPHONE CO-OP	COMMUNICATIONS	VINCENT DECKER	018-584-3211		104 RUNDLE SI, FLAT ROCK, IL. 62427

<u>COMMITMENTS</u>

1. U.S. ARMY CORPS OF ENGINEERS SECTION 404 NATIONWIDE PERMIT. 2. TREES THREE (3) INCHES OR GREATER IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED BETWEEN APRIL 1 AND SEPTEMBER 30 OF ANY GIVEN YEAR.

CHARLESTON ENGINEERING, INC.	DESIGNED - BMB	REVISED -	
CONSULTING ENGINEERS - LAND SURVEYORS	DRAWN - BMB	REVISED -	STATE OF ILLINOIS
105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 62450 P.O. BOX 397 (619) 392-0736	CHECKED - BMB	REVISED -	DEPARTMENT OF TRANSPORTATION
F.O. BOX 297 LUNCIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184 003513	DATE - 9-20-2024	REVISED -	

SUMMA	RY OF	QUAN ⁻	ΓΙΤΙES,
GENERAL	NOTES	, AND	DETAILS

2. DIMENSION H = 6" FOR FIELD ENTRANCES (FE)
3. OMIT AGGREGATE SURFACE COURSE AT TRENCH LOCATIONS WHERE NO PROPOSED PRIVATE OR FIELD ENTRANCE IS LOCATED. CONSTRUCT TOP OF TRENCH TO FINISHED GRADE WITH SUITABLE EXCAVATED MATERIAL APPROVED BY THE ENGINEER.

 ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 801	20-00131-00-BR	LAWRENCE	21	2
CONTRACT 95970		ILLINOIS PROJEC	T XSIQ(084)	

	SUMMARY OF QUANTITIES		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	1,040
20300100	CHANNEL EXCAVATION	CU YD	/85
20400800	FURNISHED EXCAVATION	CU YD	575
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	500
35101400	AGGREGATE BASE COURSE, TYPE B	TON	1,925
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	115
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	4,855
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,345
40600370	LONGITUDINAL JOINT SEALANT	FOOT	950
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	540
44000100	PAVEMENT REMOVAL	SQ YD	2,324
48101200	AGGREGATE SHOULDERS, TYPE B	TON	150
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	40.4
50300280	CONCRETE ENCASEMENT	CU YD	3.5
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQFI	2,010
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	5,660
50901050	STEEL RAILING, TYPE SM	FOOT	138
51201600	FURNISHING STEEL PILES HP12X53	FOOT	459
51204650	PILE SHOES	EACH	9
51202305	DRIVING PILES	FOOT	459
51203600	TEST PILE STEEL HP12X53	EACH	1
51500100	NAME PLATES	EACH	1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	40
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	200
54200235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	60
54200241	PIPE CULVERTS, CLASS D, TYPE 1 36"	FOOT	280
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YĐ	58
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	112.5
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
67100100	MOBILIZATION	L SUM	1
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.95

* SPECIALTY ITEM

EARTHWORK SCHEDULE										
	CODE NUMBER	20200100	20300100	N/A	N/A	N/A	N/A	N/A	N/A	N/A
								ESTIMATED		
								SUITABLE		EARTHWORK
					ESTIMATED	ESTIMATED		MATERIAL		BALANCE
		EARTH	CHANNEL	PERCENT	UNSUITABLE	SUITABLE	SHRINKAGE	ADJUSTED FOR		WASTE (+) OR
LOCATION	STATION	EXCAVATION	EXCAVATION	USED	MATERIAL	MATERIAL	FACTOR	SHRINKAGE	EMBANKMENT	SHORTAGE (-)
		(CU YD)	(CU YD)	(%)	(CU YD)	(CU YD)	(%)	(CU YD)	(CU YD)	(CU YD)
LT. & RT.	STA. 1+50 TO 5+65.52	560		100	0	560	25	420	885	-465
LT. & RT.	STA. 5+65.52 TO 6+34.48 (PROPOSED BRIDGE)		785	50	392.5	392.5	25	294		294
LT. & RT.	STA. 6+34.48 TO 11+00	350		100	0	350	25	263	670	-407
	SUBTOTAL =	910	785		392.5	1302.5		977	1555	
		VOLUMES NO	T SHOWN ON	CROSS SECTIO	N SHEETS					
LT. & RT.	CONCRETE STRUCTURES & CLSM ABUTMENT BACKFILL VOID	130		100	0	130	25	98		98
LT.	STA. 2+70 (FIELD ENTRANCE)								5	-5
RT.	STA. 4+00 (FIELD ENTRANCE)								80	-80
RT.	STA. 10+45 (PRIVATE ENTRANCE)								10	-10
	TOTAL =	1040	785		392.5	1432.5		1075	1650	-575

NOTES: 1. COST OF EXCAVATION FOR CONCRETE STRUCTURES INCLUDED IN ITEM "EARTH EXCAVATION."

- 2. SUITABLE EXCAVATED MATERIAL EXCAVATED FROM THE CHANNEL SHALL BE USED TO CONSTRUCT THE SHOULDER WIDENING.
- 3. UNSUITABLE MATERIAL SHALL BE DISPOSED OFF THE JOBSITE BY THE CONTRACTOR.
- 4. FURNISHED EXCAVATION = 575 C.Y.

	ROADW	'AY SCHEDUL	.E		
	CODE NUMBER	35101400	40200800	44000100	48101200
		AGGREGATE	AGGREGATE		AGGREGATI
		BASE COURSE,	SURFACE COURSE,	PAVEMENT	SHOULDERS
LOCATION	STATION	TYPE B	TYPE B	REMOVAL	TYPE B
		(TON)	(TON)	(SQ YD)	(TON)
LT. & RT.	STA. 1+50 TO 5+65.52	870		1016	70
LT. & RT.	STA. 5+65.52 TO 6+34.48			170	
LT. & RT.	STA. 6+34.48 TO 11+00	950		1138	90
LT.	STA. 2+70 (F.E.)	45	40		
RT.	STA. 4+00 (F.E.)		50		
RT.	STA. 4+85 (EX. CULV. BEDDING BACKFILL)	20			
RT.	STA. 10+45 (P.E.)	40	25		
	TOTAL =	1925	115	2324	160

NOTES: 1. SEE PIPE CULVERT SCHEDULE FOR PRIVATE ENTRANCE PIPE CULVERT QUANTITIES

2. RT. STA. 10+45 (P.E.) QUANTITY OF AGGREGATE BASE COURSE, TYPE B INCLUDES 20 TONS FOR TRENCH BACKFILL PURPOSES.

	GUARDRAI	L SCHEDUI	.E		
	CODE NUMBER	63100087	63000001	63100167	72501000
				TRAFFIC	
			STEEL PLATE	BARRIER	
		TRAFFIC	BEAM	TERMINAL,	TERMINAL
		BARRIER	GUARDRAIL,	TYPE 1	MARKER -
		TERMINAL,	TYPE A, 6	(SPECIAL)	DIRECT
LOCATION	STATION	TYPE 6A	FOOT POSTS	TANGENT	APPLIED
		(EACH)	(FOOT)	(EACH)	(EACH)
LT.	STA. 5+22 TO 5+60	1			
RT.	STA. 5+33 TO 5+71	1			
LT.	STA. 6+29 TO 6+67	1			
RT.	STA. 6+40 TO 6+78	1			
RT.	STA. 4+52 TO 4+90			1	
LT.	STA. 4+72 TO 5+10			1	
RT.	STA. 6+90 TO 7+28			1	
LT.	STA. 7+10 TO 7+48			1	
RT.	STA. 4+90 TO 5+33		43.75		
LT.	STA. 5+10 TO 5+22		12.50		
LT.	STA. 6+67 TO 7+10		43.75		
RT.	STA. 6+77 TO 6+90		12.50		
RT.	STA. 4+52				1
LT.	STA. 4+72				1
RT.	STA. 7+27				1
LT.	STA. 7+48				1
	TOTAL =	4	112.5	4	4

NOTE: SEE SHEET 6 FOR GUARDRAIL PLAN

	SEEDING SCHEDULE								
CC	DDE NUMBER	X2501000	FOR INFORMATION ONLY						
			NITROGEN	PHOSPHOROUS	SUITABLE POTASSIUM				
		SEEDING, CLASS 2	FERTILIZER NUTRIENT	FERTILIZER NUTRIENT	FERTILIZER NUTRIENT	MULCH METHOD 2			
LOCATION	STATION	(SPECIAL)	(100 LBS/ACRE)	(100 LBS/ACRE)	(100 LBS/ACRE)	(2 TONS/ACRE)			
		(ACRE)	(POUND)	(POUND)	(POUND)	(TONS)			
LT. & RT.	STA. 1+50 TO 5+65.52	0.45	45	45	45	0.90			
LT. & RT.	STA. 6+34.48 TO 11+00	0.50	50	50	50	1.00			
TOTAL = 0.95 95 95 95 1.9					1.90				

NOTE: FERTILIZER AND MULCH QUANTITIES SHOWN ARE FOR INFORMATION ONLY, SEE SPECIAL PROVISIONS

PIPE CULVERT SCHEDULE								
COI	DE NUMBER	542D0220	542D0229	542D0235	542D0241			
		PIPE	PIPE	PIPE	PIPE			
		CULVERTS,	CULVERTS,	CULVERTS,	CULVERTS,			
		CLASS D,	CLASS D,	CLASS D,	CLASS D,			
LOCATION	STATION	TYPE 1 15"	TYPE 1 24"	TYPE 1 30"	TYPE 1 36"			
		(FOOT)	(FOOT)	(FOOT)	(FOOT)			
LT.	STA. 2+70				60			
LT.	STA. 3+50 TO 5+70				220			
RT.	STA. 4+00			60				
LT.	STA. 6+10 TO 8+10		200					
RT.	STA. 10+45	40						
	TOTAL = 40 200 60 280							

NOTE: SEE ROADWAY SCHEDULE FOR AGGREGATE BASE
COURSE QUANTITY FOR BACKFILLING TRENCH
VOID FROM REMOVING EXISTING PIPE CULVERT

	PIPE CULVERT REMOVAL SCHEDULE							
LOCATION	STATION	DIAMETER	TYPE	PIPE CULVERT REMOVAL				
		(IN)		(FOOT)				
LT.	STA. 2+70	36	CMP	20				
RT.	STA. 4+85	18	CMP	30				
RT.	STA. 10+45	15	CMP	36				
			TOTAL =	86				

NOTES: 1. PIPE CULVERT REMOVAL WILL NOT BE PAID FOR SEPARATELY, BUT THE COST SHALL BE INCLUDED IN PIPE CULVERTS, CLASS D OF THE VARIOUS TYPES AND SIZES LISTED IN THE PLANS. SEE SPECIAL PROVISIONS.

2. ALL INFORMATION SHOWN IN THE PIPE CULVERT REMOVAL SCHEDULE IS "FOR INFORMATION ONLY"

GUA	GUARDRAIL REMOVAL SCHEDULE						
OCATION	STATION TO STATION	LENGTH					
		(FOOT)					
LT.	STA. 4+88 TO 5+64	76					
RT.	STA. 5+00 TO 5+76	76					
LT.	STA. 6+25 TO 7+01	76					
RT.	STA. 6+36 TO 7+12	76					
	TOTAL =	304					

NOTE: 1. GUARDRAIL REMOVAL WILL NOT BE PAID FOR SEPARATELY, BUT THE COST SHALL BE INCLUDED IN REMOVAL OF EXISTING STRUCTURES.

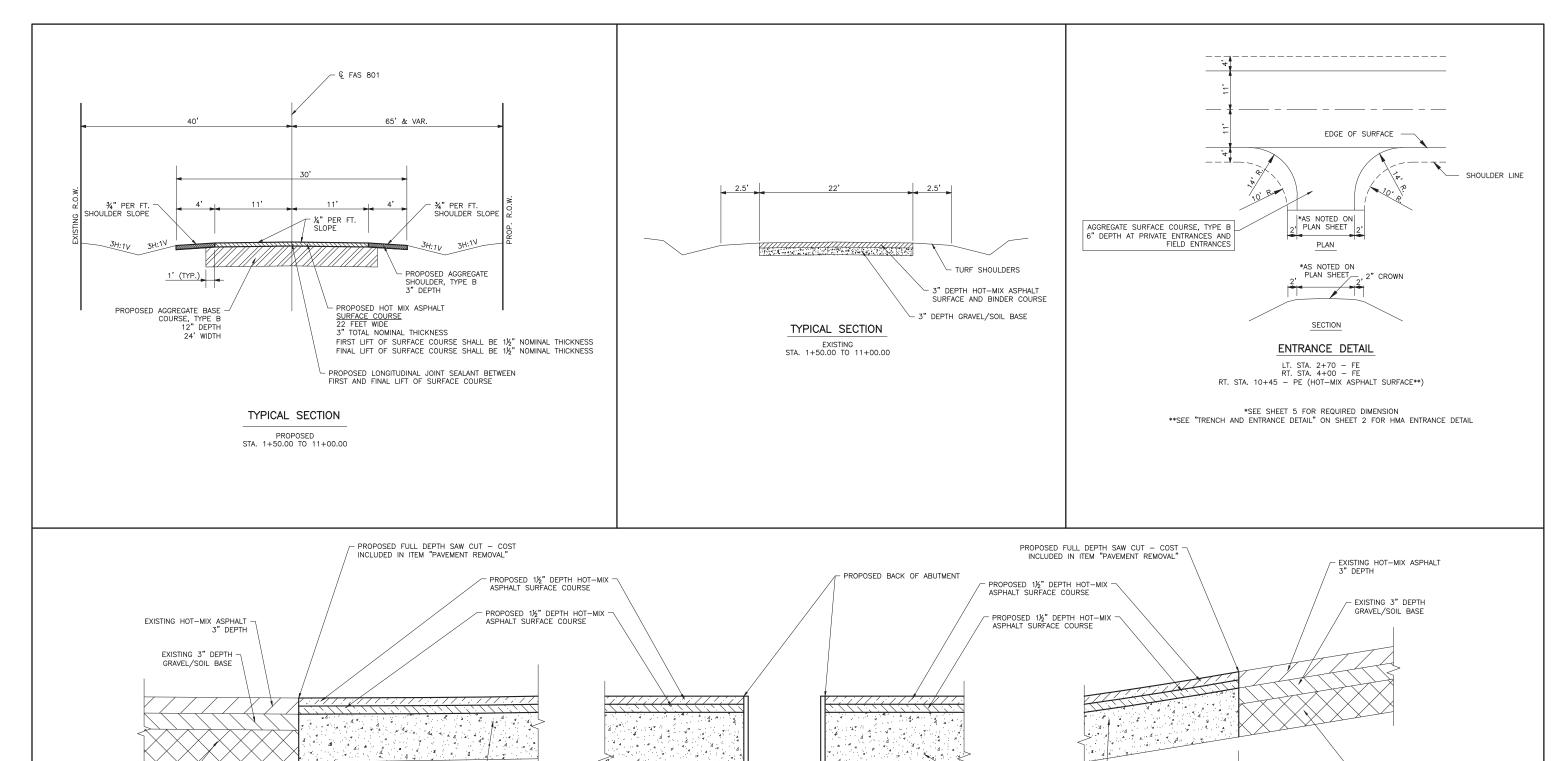
2. ALL INFORMATION SHOWN IN THE GUARDRAIL REMOVAL SCHEDULE IS "FOR INFORMATION ONLY"

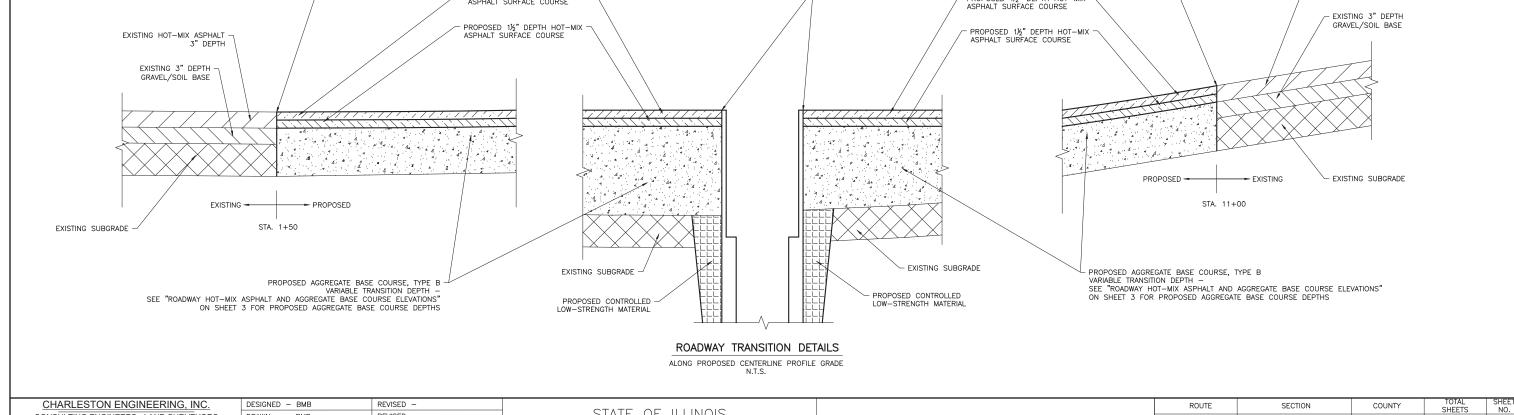
	ROADWAY HOT-MIX ASPHALT AND AGGREGATE BASE COURSE ELEVATIONS							
	PROPOSED						EXIS	STING
	HMA TOP OF EST. BOTTOM OF EST. DEPTH OF TOP OF AGGREGATE					TOP OF AGGREGATE	APPROXIMATE	EVICTING UNAA
	CENTERLINE	TOTAL HMA	AGGREGATE BASE	AGGREGATE BASE	AGGREGATE BASE	BASE COURSE, TYPE B	HMA	EXISTING HMA
	PROFILE	DEPTH	COURSE, TYPE B @	COURSE, TYPE B @	COURSE, TYPE B @	@ EDGE OF B.C. (1'	CENTERLINE	DEPTH @
	GRADE		CENTERLINE	CENTERLINE	CENTERLINE	BEYOND HMA PAV'T)	PROFILE GRADE	CENTERLINE
STATION	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)
1+50	446.54	0.25	446.29	445.29	1.00	446.04	446.54	0.25
1+75	446.52	0.25	446.27	445.27	1.00	446.02	446.54	0.25
2+00	446.53	0.25	446.28	445.28	1.00	446.03	446.51	0.25
2+25	446.57	0.25	446.32	445.32	1.00	446.07	446.47	0.25
2+50	446.64	0.25	446.39	445.39	1.00	446.14	446.43	0.25
2+75	446.75	0.25	446.50	445.50	1.00	446.25	446.31	0.25
3+00	446.89	0.25	446.64	445.64	1.00	446.39	446.50	0.25
3+25	447.06	0.25	446.81	445.81	1.00	446.56	446.49	0.25
3+50	447.22	0.25	446.97	445.97	1.00	446.72	446.47	0.25
3+75	447.35	0.25	447.10	446.10	1.00	446.85	446.45	0.25
4+00	447.45	0.25	447.20	446.17	1.03	446.95	446.42	0.25
4+25	447.52	0.25	447.27	446.14	1.13	447.02	446.39	0.25
4+50	447.56	0.25	447.31	446.11	1.20	447.06	446.36	0.25
4+75	447.57	0.25	447.32	446.08	1.24	447.07	446.33	0.25
5+00	447.57	0.25	447.32	446.18	1.14	447.07	446.43	0.25
5+25	447.57	0.25	447.32	446.22	1.10	447.07	446.47	0.25
5+50	447.57	0.25	447.32	446.26	1.06	447.07	446.51	0.25
5+75	447.57	0.25	447.32	446.26	1.06	447.07	446.51	0.25
5+65.52	447.57	0.25	447.32	446.29	1.03	447.07	446.54	0.25
6+34.48	447.57	0.25	447.32	446.24	1.08	447.07	446.49	0.25
6+50	447.57	0.25	447.32	446.02	1.30	447.07	446.27	0.25
6+75	447.57	0.25	447.32	446.28	1.04	447.07	446.53	0.25
7+00	447.57	0.25	447.32	446.25	1.07	447.07	446.50	0.25
7+25	447.57	0.25	447.32	446.20	1.12	447.07	446.45	0.25
7+50	447.57	0.25	447.32	446.15	1.17	447.07	446.40	0.25
7+75	447.57	0.25	447.32	446.21	1.11	447.07	446.46	0.25
8+00	447.57	0.25	447.32	446.27	1.05	447.07	446.52	0.25
8+25	447.57	0.25	447.32	446.32	1.00	447.07	446.60	0.25
8+50	447.57	0.25	447.32	446.32	1.00	447.07	446.67	0.25
8+75	447.57	0.25	447.32	446.32	1.00	447.07	446.81	0.25
9+00	447.57	0.25	447.32	446.32	1.00	447.07	446.96	0.25
9+25	447.60	0.25	447.35	446.35	1.00	447.10	447.10	0.25
9+50	447.68	0.25	447.43	446.43	1.00	447.18	447.28	0.25
9+75	447.82	0.25	447.57	446.57	1.00	447.32	447.55	0.25
10+00	448.01	0.25	447.76	446.76	1.00	447.51	447.82	0.25
10+25	448.27	0.25	448.02	447.02	1.00	447.77	448.17	0.25
10+50	448.58	0.25	448.33	447.33	1.00	448.08	448.52	0.25
10+75	448.92	0.25	448.67	447.67	1.00	448.42	448.89	0.25
11+00	449.26	0.25	449.01	448.01	1.00	448.76	449.26	0.25

CHARLESTON ENGINEERING, INC.						
CONSULTING ENGINEERS - LAND SURVEYORS						
105 NORTH KITCHELL AVENUE	OLNEY, ILLINOIS 62450					
P.O. BOX 397	(618) 392-0736					
ILLINOIS DEPARTMENT OF PROFESSIONAL	REGULATION REGISTRATION #184.003513					

DESIGNED - BMB	REVISED -
DRAWN - BMB	REVISED -
CHECKED - BMB	REVISED -
DATE - 9-20-2024	REVISED -

ROUTE	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.
FAS 801	20-00131-00-BR	LAWRE	ENCE	21	3
ONTRACT 95970		ILLINOIS	PROJEC ⁻	T XSIQ(084)	





TYPICAL SECTIONS

FAS 801

CONTRACT 95970

20-00131-00-BR

LAWRENCE

ILLINOIS PROJECT XSIQ(084)

21

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

CONSULTING ENGINEERS - LAND SURVEYORS

105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 62450 P.O. BOX 397 (618) 392-0736 NOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.003513

DRAWN - BMB

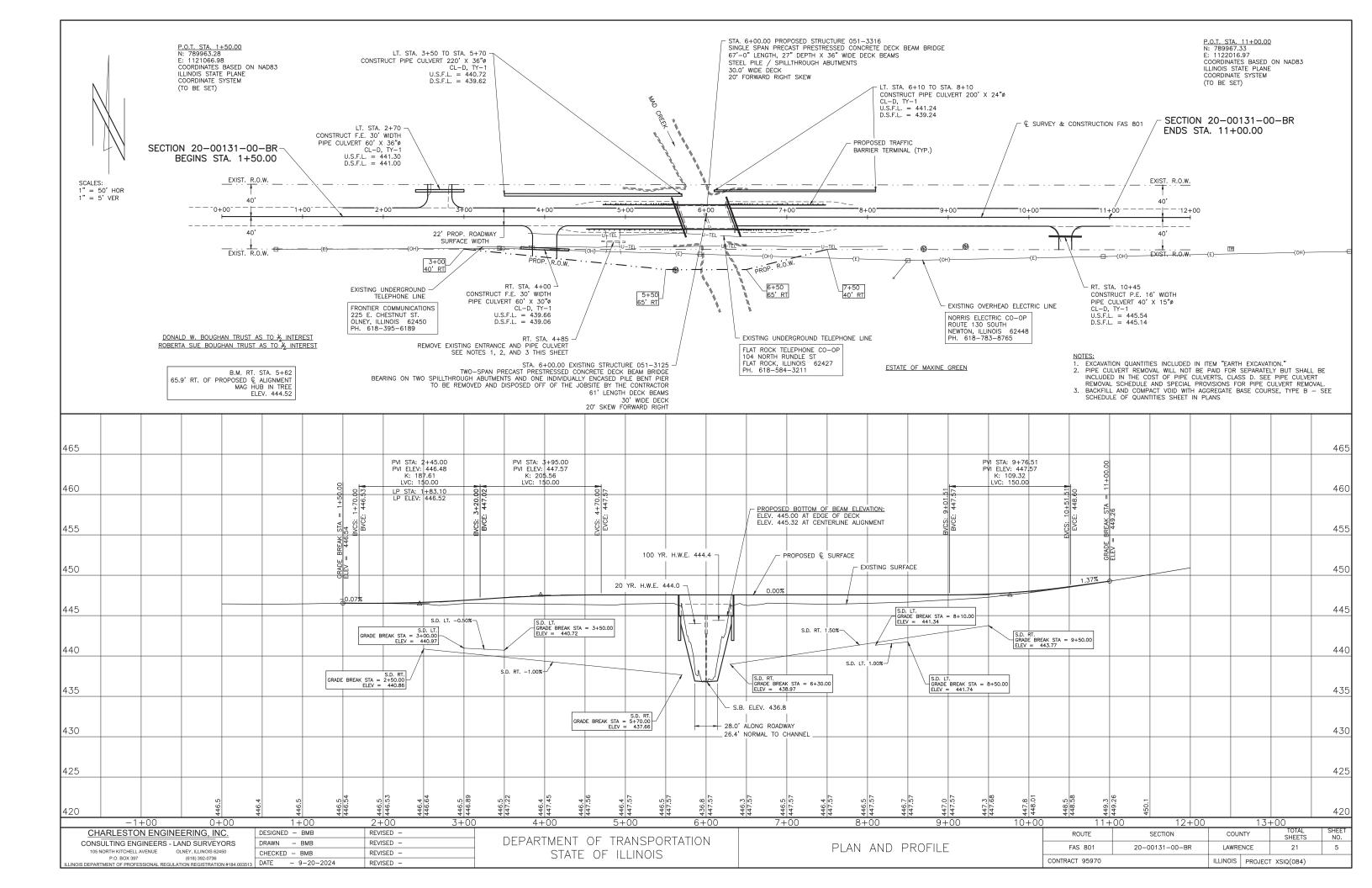
CHECKED - BMB

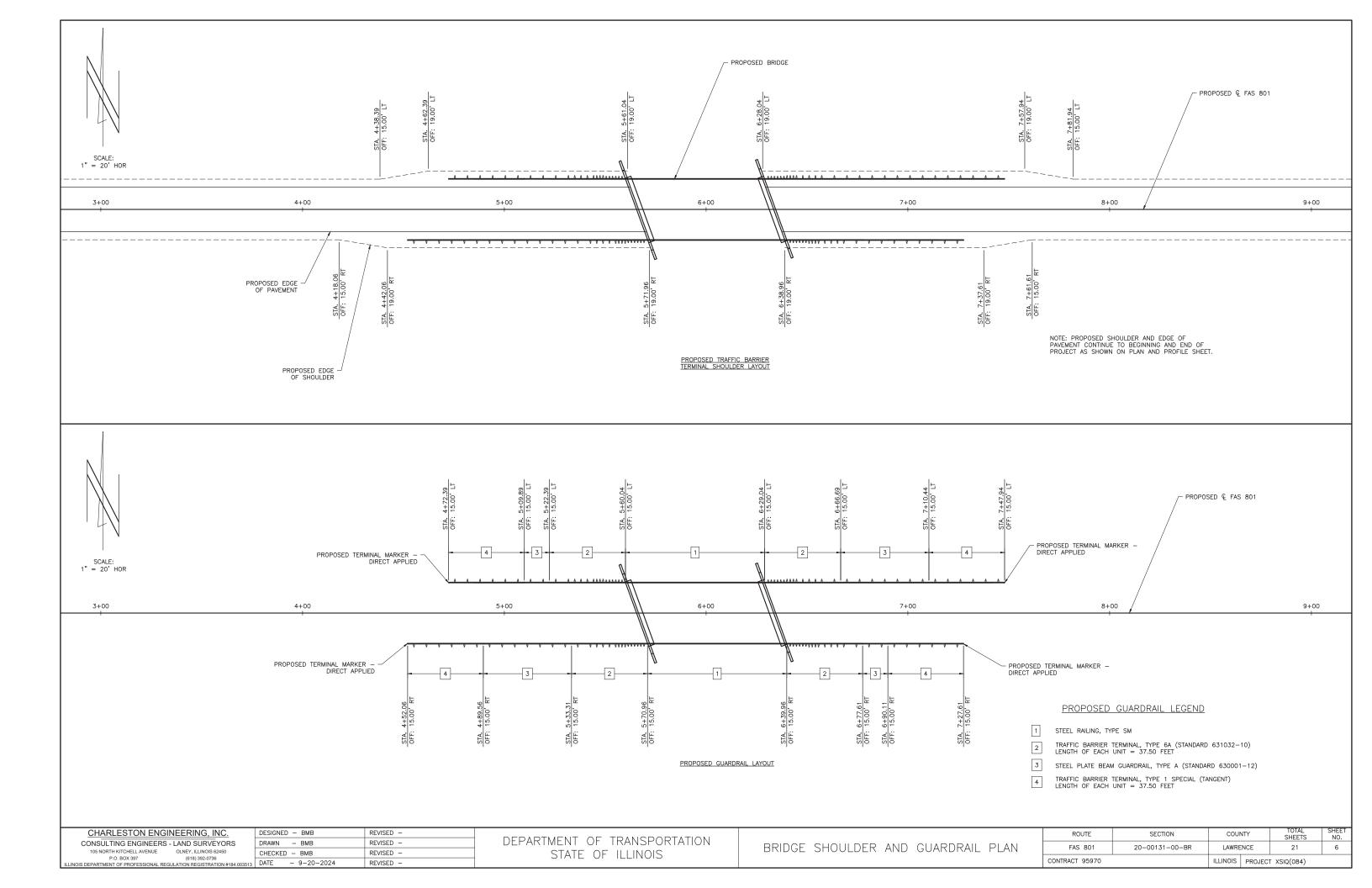
DATE - 9-20-2024

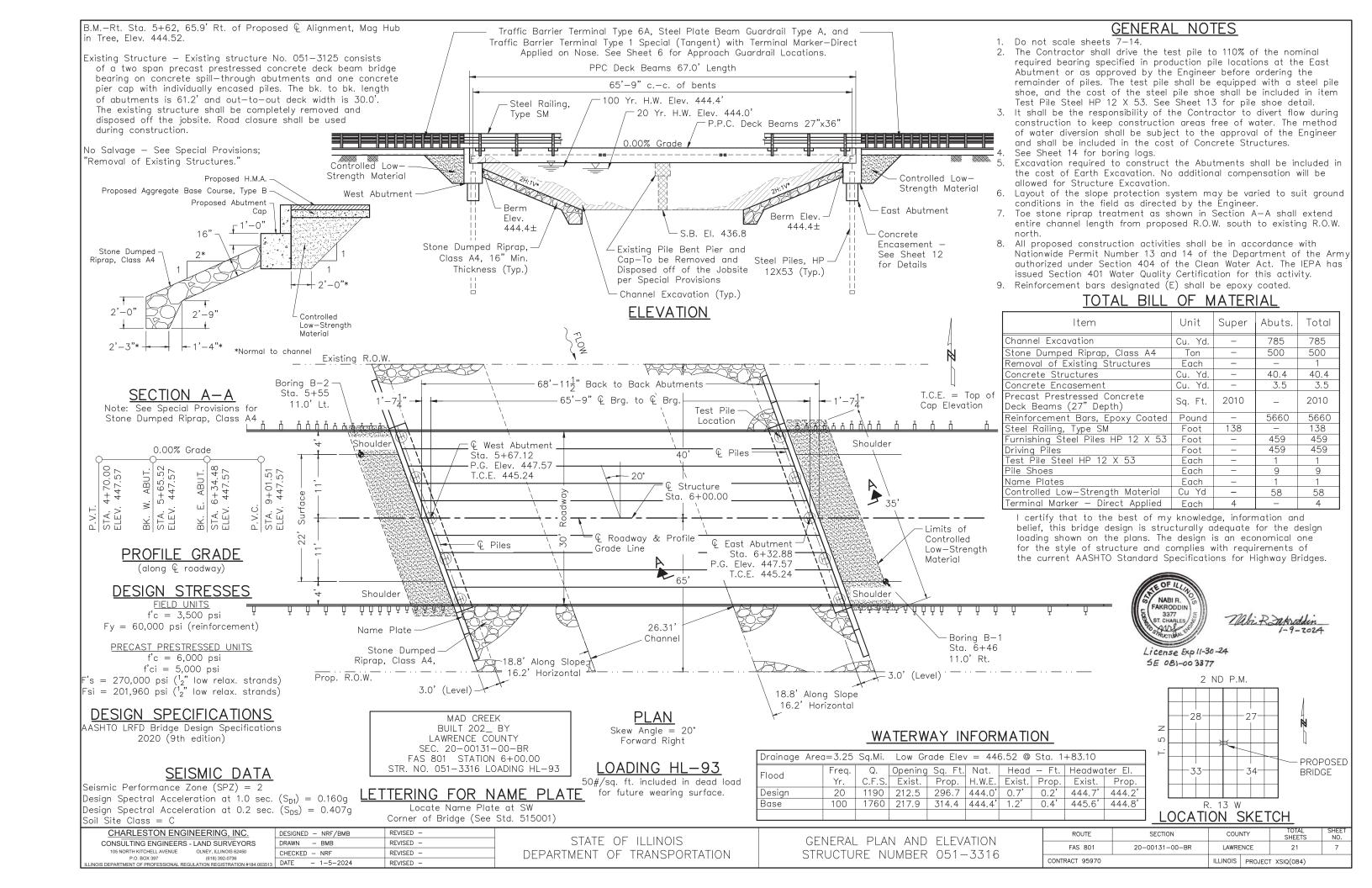
REVISED

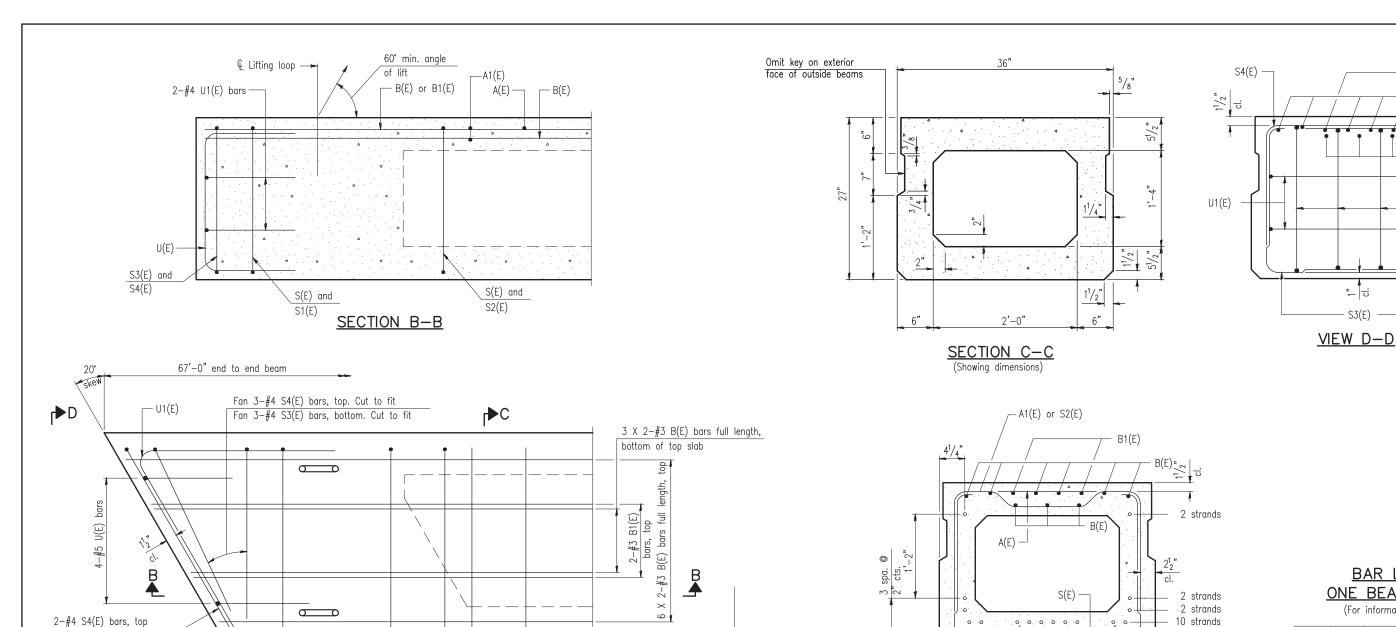
REVISED

REVISED









BAR LIST ONE BEAM ONLY

- U(E)

(For information only)

Bar	No.	Size	Length	Shape
A(E)	20	#4	2'-7"	
A1(E)	40	#4	2'-10"	{
B(E)	18	#3	34'-3" 10'-0"	
B1(E)	4	#3	10'-0"	
S(E)	89	#4	7'-5"	
S1(E)	8	#4	5'-11"	
S2(E)	81	#4	6'-2" 5'-2"	
S3(E)	10	#4	5'-2"	
S4(E)	10	#4	4'-5"	
U(E)	8	#5	4'-6"	
U1(E)	4	#4	6'-1"	

2 strands 2 strands

— 10 strands

See sheet 9 of 21 for additional details and Bill of Material.

SECTION C-C

(Showing reinforcement and permissible strand locations) Notes: 24 total strands

6"

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

MINIMUM BAR LAP

#3 bar = 1'-6"

0 0 0 0 0

5 spa. at

PLAN VIEW

₽C

10-#4 A(E) bars at 3'-0" cts., top

20-#4 A1(E) bars at 1'-6" cts., bottom of top slab

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

1-#4 S2(E) bar at €, top

1−#4 S(E) bar at €, bottom

Similar ⇔about €

40-#4 S2(E) bars at 9" cts., top (39 spaces at 9", 1 space at $8^1\!/_2$ " to © beam)

40-#4 S(E) bars at 9" cts., bottom

(39 spaces at 9", 1 space at $8^{1/2}$ " to © beam)

3 spaces at

6" = 1'-6"

9"

4-#4 S1(E) bars, top

4-#4 S(E) bars, bottom

2-#4 S4(E) bars, top

₽D

2-#4 S3(E) bars, bottom

CHARLESTON ENGINEERING, INC.

CONSULTING ENGINEERS - LAND SURVEYORS 105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 62450

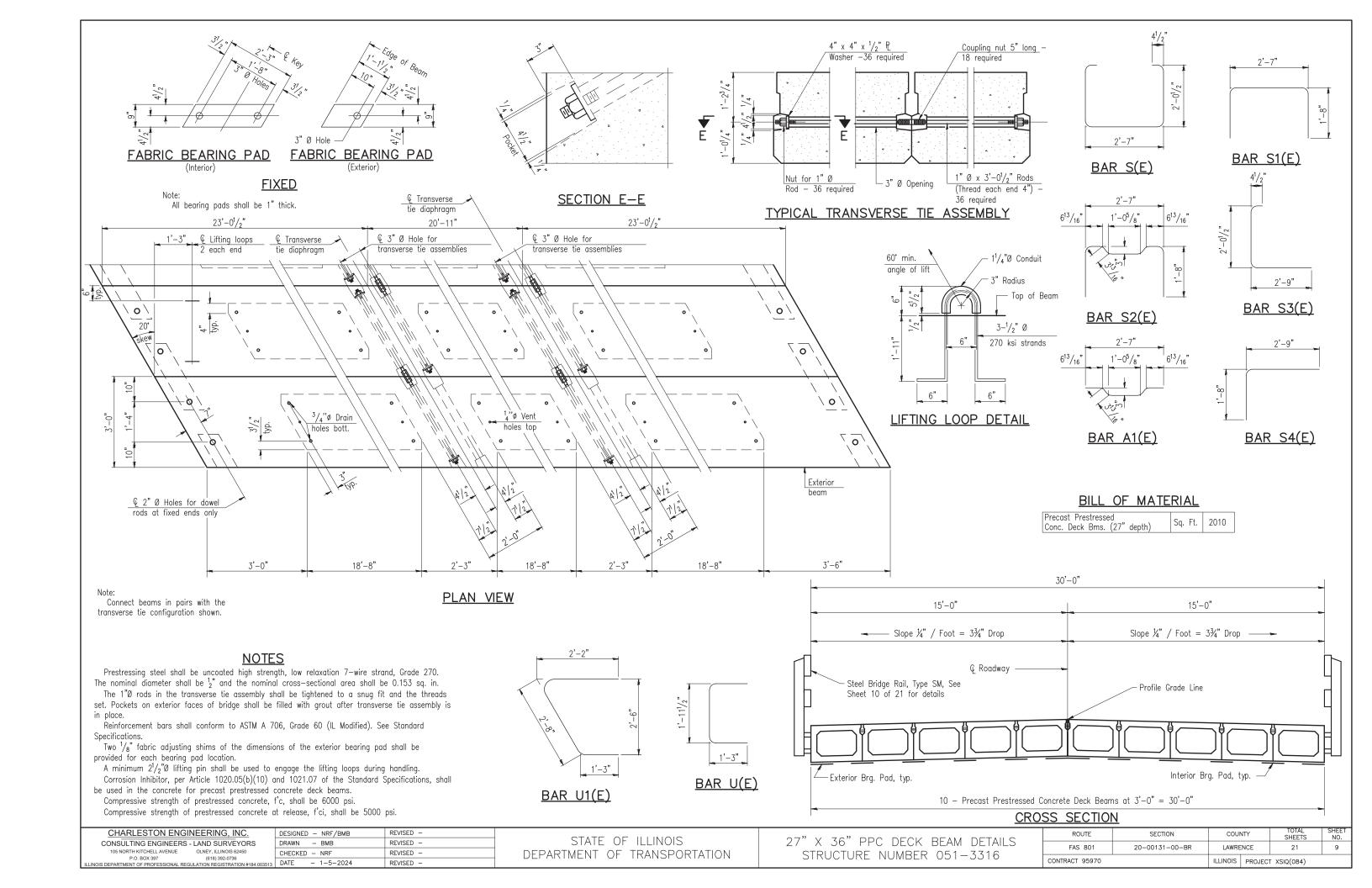
for the transverse ties.

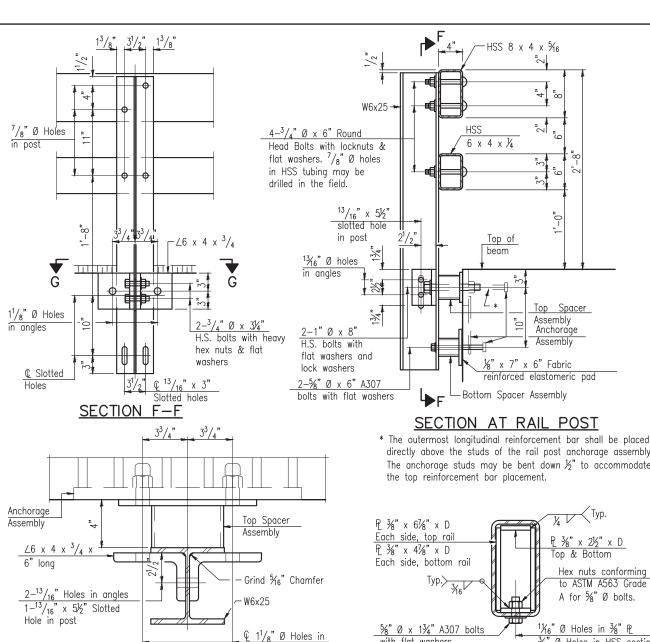
14000.
Spacing of $S(E)$ and $S2(E)$ bars may be
adjusted up to 4" in the immediate area of the
transverse tie diaphragms to miss the block outs
for the transverse ties

DESIGNED - NRF/BMB	REVISED -
DRAWN - BMB	REVISED -
CHECKED - NRF	REVISED -
 DATE - 1-5-2024	REVISED -

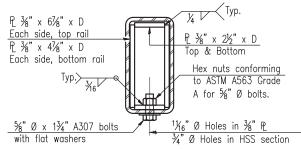
27" X 36" PPC DECK BEAM STRUCTURE NUMBER 051-3316

ROUTE	SECTION	COUNTY		TOTAL SHEETS	SHEET NO.
FAS 801	801 20-00131-00-BR LAWRENCE		21	8	
ONTRACT 95970		ILLINOIS	PROJEC ⁻	T XSIQ(084)	

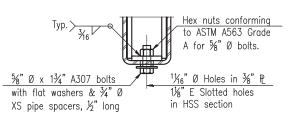




* The outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchorage assembly. The anchorage studs may be bent down $\frac{1}{2}$ " to accommodate



SECTION AT RAIL SPLICE



RAIL SPLICE CONNECTION AT EXPANSION JT.

RAILING CRITERIA

HSS section-

Rail splice

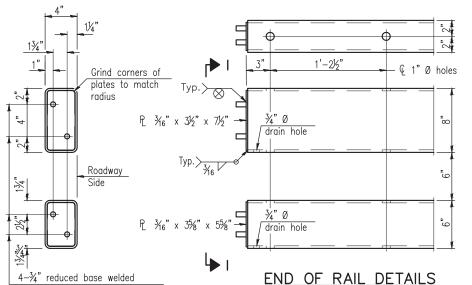
insert

MASH 2016 Test Level	2
Railing Weight (plf)	90
Min f'c (psi)	5,000
Max Post Spacing	6'-3''
HMA thickness range (in)	11/4 - 31/8

SPLICE DIMENSIONS

Location	T	А	В	С	D	Е
All locs. not over exp. jts.	0	1/4"	4"	4"	1'-8"	_
Over Strip Seal Jt.	≤4"	2½"	4%"	43/8"	1'-10"	31/16"
Over Finger or Modular Jt.	≤9½"	5½"	7%"	71/4"	2'-91/4"	5 ¹ 3/ ₁₆ "
Over Finger or Modular Jt.	≤15"	8¼"	10%"	10"	3'-81/4"	8%6"

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



2"

VIEW J-

shown on Hwy. Std. 631032. VIEW I-I

studs. Provide $4-\frac{3}{4}$ " washers

and self-locking nuts or nuts and

jam nuts for guardrail connection

53/4"

₽ 1" x 6" x 1'-7"

Notes:

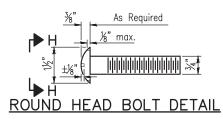
A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, $5" \times 11\frac{1}{2}"$, and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than $\frac{1}{4}$ " (top) or ½" (bottom), longer 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 $2 - \frac{3}{8}$ " 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.



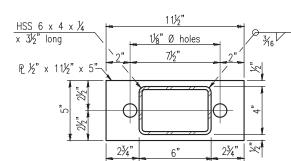




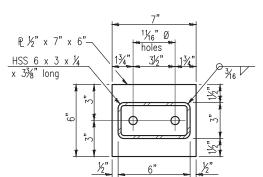
With Slot (shown) or Approved Recess

or Recess

VIEW H-H



TOP SPACER ASSEMBLY



BOTTOM SPACER ASSEMBLY

BILL OF MATERIAL

ltem	Unit	Quantity
Steel Railing, Type SM	Foot	138

CHARLESTON ENGINEERING, INC. DESIGNED - NRF/BME REVISED -CONSULTING ENGINEERS - LAND SURVEYORS DRAWN - BMB REVISED 105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 62450 CHECKED - NRF REVISED DATE - 1-5-2024 REVISED

angles and plates

A at exp. jt. at 50° F.

Bolts

typ.

SECTION G-G

RAIL SPLICE ELEVATION

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE SM STRUCTURE NUMBER 051-3316

ANCHORAGE ASSEMBLY ** Threaded areas shall be plugged or

blocked off during casting of concrete.

#3 bar

Q 1½" Ø

**Heavy hex nuts conforming

1" Ø bolts. Cast 1" voids behind

each nut

to ASTM A563 Grade DH for

¾" ∅ x 6" Granular or solid

1006.32 of the Std. Specs.

automatically end welded

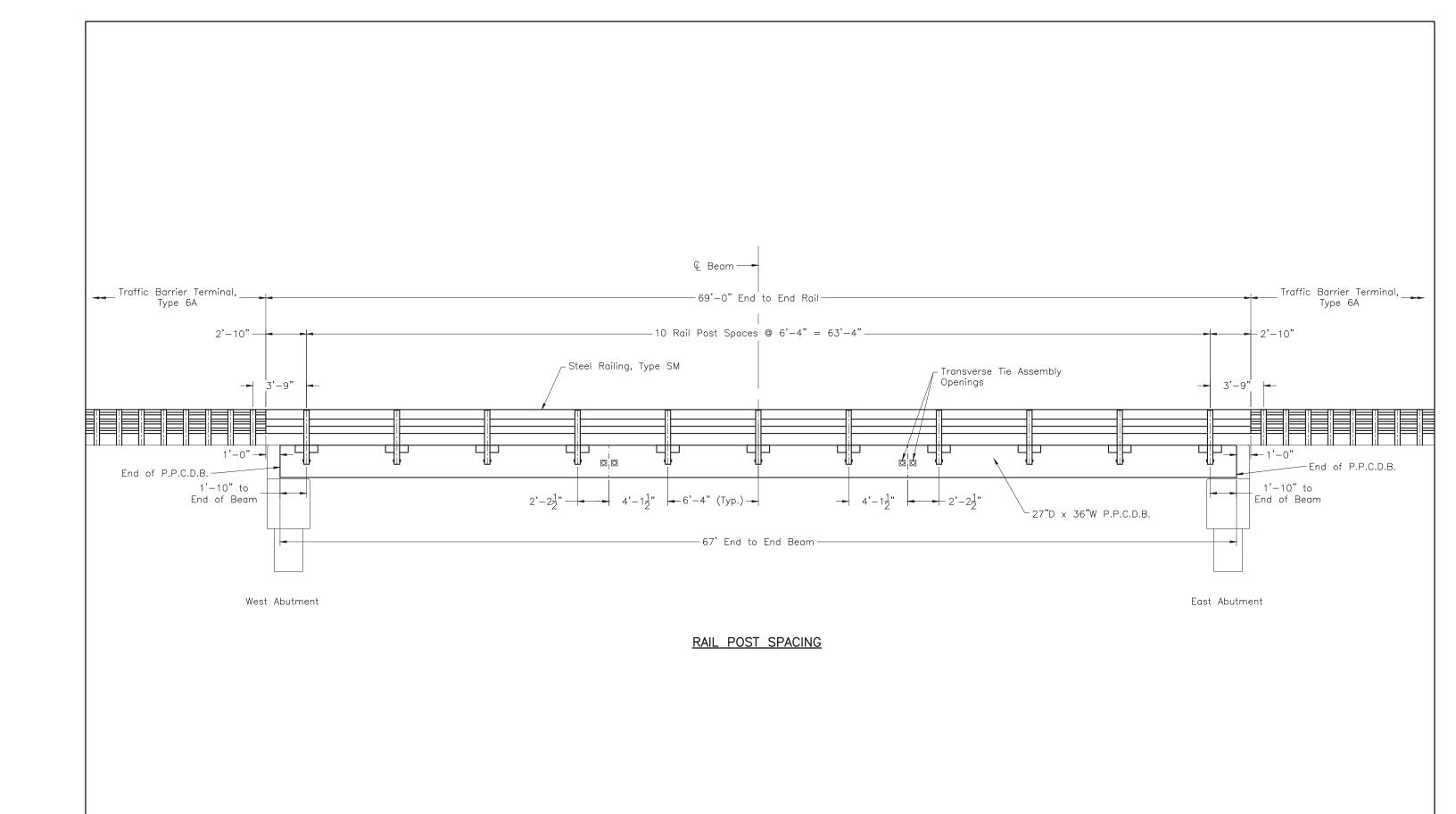
flux filled headed studs

conforming to Article

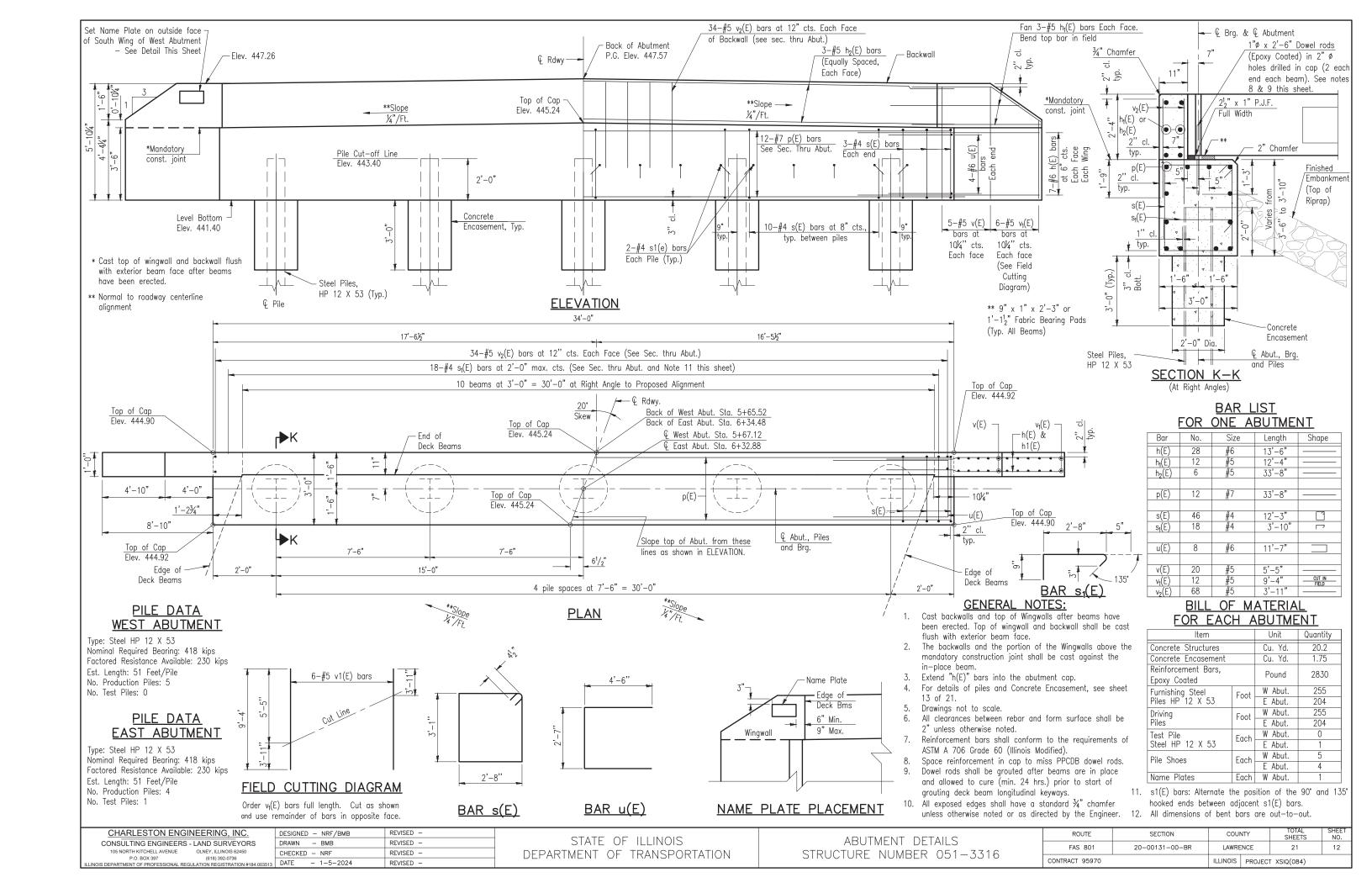
(6 required per ₽). **3" long hex coupling nuts conforming to ASTM A563

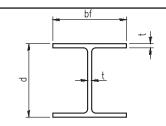
Grade A for 5%" Ø bolts.

ROUTE	SECTION	cour	YTY	TOTAL SHEETS	SHEET NO.
FAS 801	20-00131-00-BR	LAWRE	NCE	21	10
CONTRACT 95970		SIONITI	DDO IEC	L ACIU(U64)	•



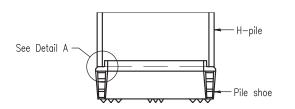
<u>CHARLE</u>	STON ENGINEERING, INC.	DESIGNED - NRF/BMB	REVISED -	CTATE OF ILLINOIS	CTEEL DAILING TYPE ON DETAILO	ROUTE	SECTION	COUNTY	SHEETS	NO.
CONSULTIN	G ENGINEERS - LAND SURVEYORS	DRAWN - BMB	REVISED -	STATE OF ILLINOIS	STEEL RAILING, TYPE SM DETAILS	FAS 801	20-00131-00-BR	LAWRENCE	21	11
	TCHELL AVENUE OLNEY, ILLINOIS 62450	CHECKED - NRF	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NUMBER 051-3316	TAS 801	20-00131-00-BK	DAWNLINGE	21	
P.O. ILLINOIS DEPARTMENT O	BOX 397 (618) 392-0736 F PROFESSIONAL REGULATION REGISTRATION #184.00351:	DATE - 1-5-2024	REVISED -	BELLY WILLIAM OF THOUSE OF THE	CHROOFORE HOMBER OUT COTO	CONTRACT 95970		ILLINOIS PROJEC	CT XSIQ(084)	



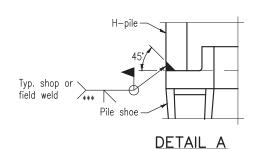


STEEL PILE TABLE

Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 12x53	11¾"	12"	7⁄16"	24"

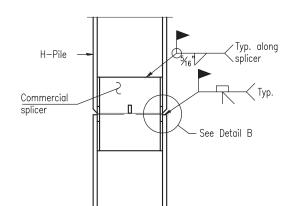


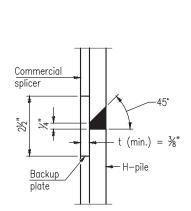
ELEVATION



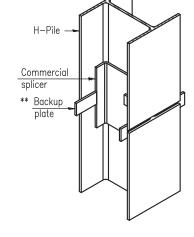
SHOE ATTACHMENT

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





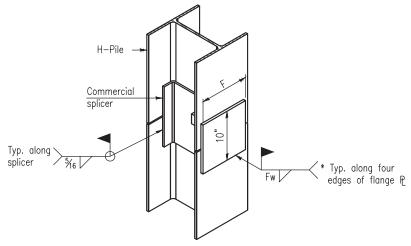
ELEVATION



DETAIL "B"

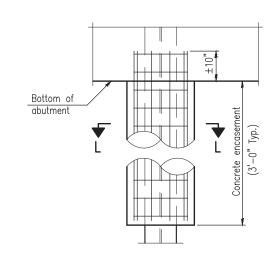
ISOMETRIC VIEW

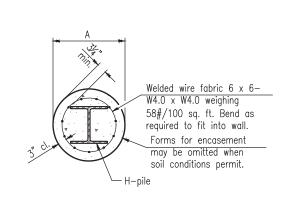
WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds $\frac{1}{4}$ " from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/6" min.).

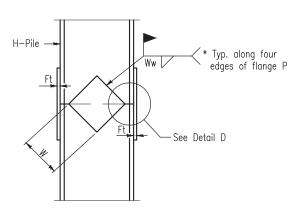


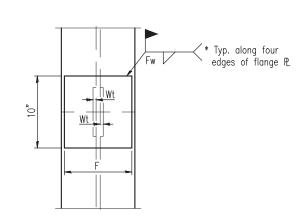


ELEVATION DRIVEN PILES

SECTION L-L

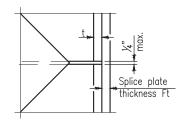
INDIVIDUAL PILE CONCRETE ENCASEMENT





ELEVATION

END VIEW



Designation	F	Ft	Fw	W	Wt	Ww
HP 12x53	10"	5%"	1/2"	6½"	1/2"	3∕8"

<u>DETAIL</u>

WELDED PLATE FIELD SPLICE

CHARLESTON ENGINEERING, INC.	DESIGNED - NRF/BMB	REVISED -	07475 05 1141040	11D DILE DETAIL 0	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET
CONSULTING ENGINEERS - LAND SURVEYORS	DRAWN - BMB	REVISED -	STATE OF ILLINOIS	HP PILE DETAILS	FAS 801	20-00131-00-BR	LAWRENCE	21	13
105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 62450	CHECKED - NRF	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NUMBER 051-3316	TAS 601	20-00131-00-81	LAWKLINGE	21	13
P.O. BOX 397 (618) 392-0736	DATE - 1-5-2024	REVISED -		THE OTHER PROMISER SOLUTIONS	CONTRACT 95970		ILLINOIS PROJECT	XSIQ(084)	

N	OE	3LE					BORING No. B-1	water	level r	eading		
ENG	INEER	RING CO	NSULTANTS	County: Lawrence, IL			Sheet No. 1 of 2		1st encounter: 22'			
Clien	t: Char	rieston En	gineering	Weathe	er: Sunny	,	Temperature: 80's	water level reading				
			ing Consultants				Surface Elevation: ~446**	At completion Dry cave				
Locat	ion:Sec	#20-0013	1 Petty Twp.	Date Finished: 5-24-21			Driller: Tony Schocker			Cuttings		
	Pamela	Sample		Blow	Recovery	Qp	Success Village	Meisture				
Depth:	No.	Depth	N-Value	Count	(%)	(tst)*	Soil Description	%	Class.	Elev.**		
1				-		-				445		
2	SS-1	1.0'-2.5'	18	10-10-8	30	19	0.0'-5.0' Silt, Clay, Sand, Etc. FILL	17.1	FILL	444		
3						_				443		
4	66-2	3.5"-5.0"	13	5-6-7	100			24.9	FILL	442		
5			1							441		
6	55-3	6.0"-7.5"	7	2-3-4	80	1.0		20.9	сн	440		
7										439		
8		8								438		
9	89-4	8.5'-10.0"	6	2-2-4	100	1.0		19.1	СН	437		
10										436		
11										435		
12										434		
12										433		
14	89-5	13.5'-15.0'	9	2-4-5	100	1.1		22.7	СН	432		
15										431		
16										430		
17										429		
18										428		
19	55-6	18.5"-20.0"		3-3-5	100	0.9	6.0'-31.5' CLAY, trace to some sand, trace gravel, medium stiff to stiff, gray	29.7	СН	427		
20										426		
21										425		
22										424		
23										423		
24	89-7	23.5'-25.0'	6	2-3-3	100	0.9		28.7	СН	422		
25										421		
26						9				420		
27										419		
28					1		la l			418		
29										417		
30	55-8	28.5'-30.0'	•	2-4-5	100	1.0		30,4	СН	416		
Drilling	Method:	HSA (2-1/4" ld	0	comments	* Op test is	an estimat	te of the unconfined compressive strength performe	d				
Depth:	0° to 54.2°				by a comp	act calibrat	ted spring loaded cylinder					
Orill Ri	g: Mobile l	B-47					ation is estimated based upon provided bridge deck					
@amoli	ng: split-s	poon (SS)	-		elevation o	1446						

N	OE	3LE					BORING No. B-1	water	level	reading	
ENG	INEER	INEERING CONSULTANTS		County	: Lawren	ce. IL	Sheet No. 2 of 2	1st encounter: 22'			
			gineering	Weather: Sunny Date Started: 5-24-21			Temperature: 80's	water level reading			
							Surface Elevation: ~446**			Dry cave	
			31 Petty Twp.		nished:		Driller: Tony Schocker			Cuttings	
		Sample		Blow	Recovery	Qp.		_	_		
Depth:	No.	Depth	N-Value	Count	(%)	(set),	Soil Description	Moistur %	Class.	Elev.**	
31										415	
32							6.0'-31.5' CLAY, trace to some sand, trace gravel, medium stiff to stiff, gray			414	
33										413	
34	\$5-0	33.5'-35.0"	4	1-2-2	100	*	31.5'-37.6' SILTY FINE SAND, trace gravel, occ. thin clay seams, very loose, saturated, gray	33.4	SM	412	
35										411	
36										410	
37										409	
38										408	
39	SS-10	38.5'-40.0'	4	1-2-2	100	0.9	37.0'-48.5' CLAY, trace to some sand, trace gravel, occ. saturated sand seams, medium stiff to stiff, gray	27.9	сн	407	
40										406	
41										405	
42										404	
43		-				-		-		403	
44	SS-11	43.5'-45.0'	8	244	100	1.1		26.8	CH	402	
45										401	
46	_			_		-		-	-	400	
47	-			-		-		-	-	399	
48	-			-		+		-	-	398	
49	SS-12	48,5'-50.0'	100+	100/5*	10	*	48.5'-54.2' WEATHERED SANDSTONE	-		397	
50		-		-		-		-		396	
51 52		-				-		-		395 394	
53										393	
54	55-13	53.5'-55.0'	100+	100/4"	10	1827				393	
55		-	2.550				AR 54.2'	-			
56											
57											
58											
59											
60											
Drilling	Method H	ISA (2-1/4° ld)		comments	* Op test is	an estimate	of the unconfined compressive strength performed				
Depth:	0' to 64.2"						ed spring loaded cylinder				
Drill Rig	Mobile B	47					tion is estimated based upon provided bridge deck				
Samplin	g: split-sp	oon (SS)			elevation o	446					

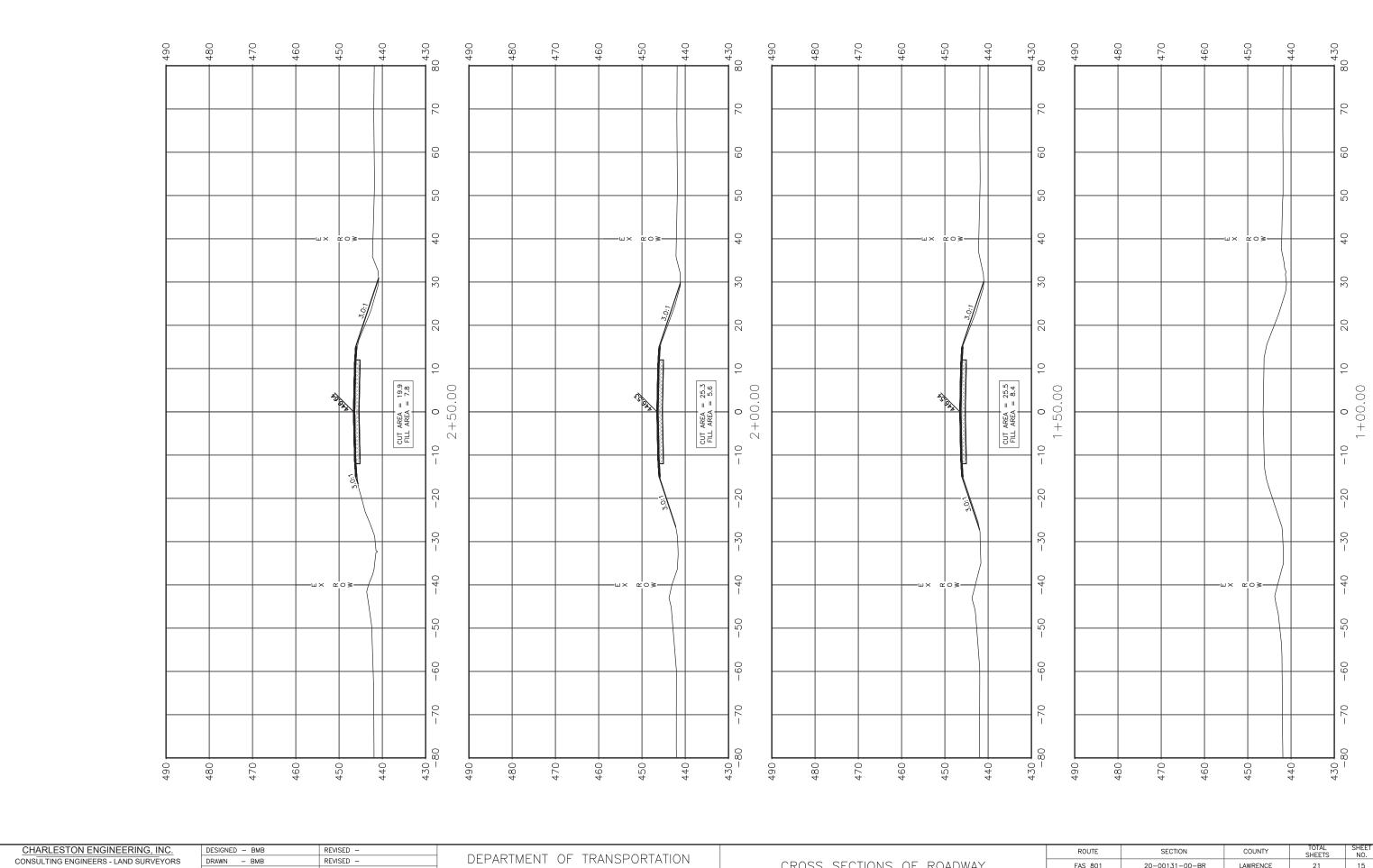
14	UE	3LE					BORING No. B-2	water	level r	eading		
ENG	INEER	ING CO	NSULTANTS				Sheet No. 1 of 2		1st encounter: 22'			
Clien	t: Char	leston Er	ngineering				Temperature: 80's	water level reading				
			ing Consultants				Surface Elevation: ~446**			Dry cave		
Locat	ion:Sec	#20-0013	11 Petty Twp.	Date Fi	nished: 5	5-24-21	Driller: Tony Schocker	Backf	ill: Soil	Cuttings		
Depth:	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	Moisture %	USC Class.	Elev.**		
1										445		
2	\$8-1	1.0'-2.5'	12	11-6-6	30	19	0.0'-5.5' Silt, Clay, Sand, Etc. FILL	12.1	FILL	444		
3								-		443		
4	88-2	3.5'-5.0'	12	5-8-6	100			15,3	FILL	442		
5										441		
6	55-3	6.0"-7.5"	6	2-3-3	100	1.0		24.1	сн	440		
7										439		
8										438		
9	89-4	8,5'-10,0"	7	2-3-4	100	1.0		22.5	СН	437		
10										436		
11										435		
12										434		
12		,								433		
14	89-5	13.5'-15.0'	9	3-4-5	100	1.1		23.9	СН	432		
15										431		
16				_		-				430		
17				-		-				429		
18			1	-		-				428		
10	55-6	18.5'-20.0'	11	4-6-5	100	1.0	5.5'-33.5' CLAY, trace to some sand, trace gravel, stiff, gray	31.7	СН	427		
20		-	-			-				426		
21		_		-		+				425 424		
23										423		
24	88-7	23.5'-25.0'		3-4-5	100	1.0		29.9	СН	423		
25		-								421		
26										420		
27										419		
28							-			418		
29										417		
30	55-8	28.5'-30.0'		24-5	100	1.0		31.0	СН	416		
Drilling	Method:	ISA (2-1/4" id	1)	comment	" Op test is	an estima	te of the unconfined compressive strength performe					
Depth:	0' to 53.9'				by a comp	act calibra	ted spring loaded cylinder					
Drill Rig	g: Mobile I	1-47					ation is estimated based upon provided bridge deck					
Samplin	ng: split-s	poon (SS)			elevation o	1446						

14	UL	3LE					BORING No. B-2	water	level	reading		
ENG	INEER	RING CO	NSULTANTS	County: Lawrence, IL Weather: Sunny Date Started: 5-24-21			Sheet No. 2 of 2		1st encounter: 22'			
Clien	t: Char	rleston En	gineering				Temperature: 80's	water	level	reading		
Drille	r: Nobi	e Engineer	ing Consultants				Surface Elevation: ~446**	At con	npletion	Dry cave		
Loca	tion:Se	c. #20-001	31 Petty Twp.	Date Fi	nished:	5-24-21	Driller: Tony Schocker	Back	fill: Soi	I Cuttings		
Depth:	Sample No.	Sample Depth	N-Value	Blow Count	Recovery (%)	Qp (tsf)*	Soil Description	Moistur %	USC Class.	Elev.**		
31										415		
32							5.5'-33.5' CLAY, trace to some sand, trace gravel, stiff, gray			414		
33										413		
34	55-9	33.5'-35.0'	6	2-3-3	100		33.5'-37.0' SILTY FINE SAND, trace gravel, occ. thin clay seams, loose, saturated, gray	27.4	SM	412		
35										411		
36										410		
37										409		
38										408		
39	\$5-10	38.5'-40.0'	5	1-2-3	100	0.9	37.6'-48.5' CLAY, trace to some sand, trace gravel, occ. saturated sand seams, medium stiff to stiff, gray	28.7	СН	407		
40										406		
41										405		
42										404		
43										403		
44	88-11	43.5'-45.0'		2-4-5	100	1.1		24.3	СН	402		
45										401		
46										400		
47				_		-				399		
48		_		_		-			_	398		
49	SS-12	48.5'-50.0"	100+	100/5"	15		48.5'-53.9' WEATHERED SANDSTONE	20		397		
50		-				-				396		
51						-				395		
52				-		-			-	394		
53	Case U	Toronto.	5988	3303255	- 1					393		
54	SS-13	53.5'-55.0'	100+	100/5"	10		AR 53.9'					
55												
56												
57												
58					4		1					
59												
60												
Drilling	Method:	HSA(2-1/4"Id		comments	* Op test is	an estima	te of the unconfined compressive strength performed					
Depth:	0' to 53.9	r			-		ited spring loaded cylinder					
Drill Ric	: Mobile	B-47			"ground	urface ele	vation is estimated based upon provided bridge deck					
Samplin	ig: split-s	spoon (SS)			elevation							

	CHARLESTON EN	GINEERING, INC.
	CONSULTING ENGINEER	RS - LAND SURVEYORS
	105 NORTH KITCHELL AVENUE	OLNEY, ILLINOIS 62450
	P.O. BOX 397	(618) 392-0736
١	ILLINOIS DEPARTMENT OF PROFESSIONAL	REGULATION REGISTRATION #184.003513

	DESIGNED - NRF/BMB	KEVISED -
	DRAWN - BMB	REVISED -
	CHECKED - NRF	REVISED -
3	DATE - 1-5-2024	REVISED -

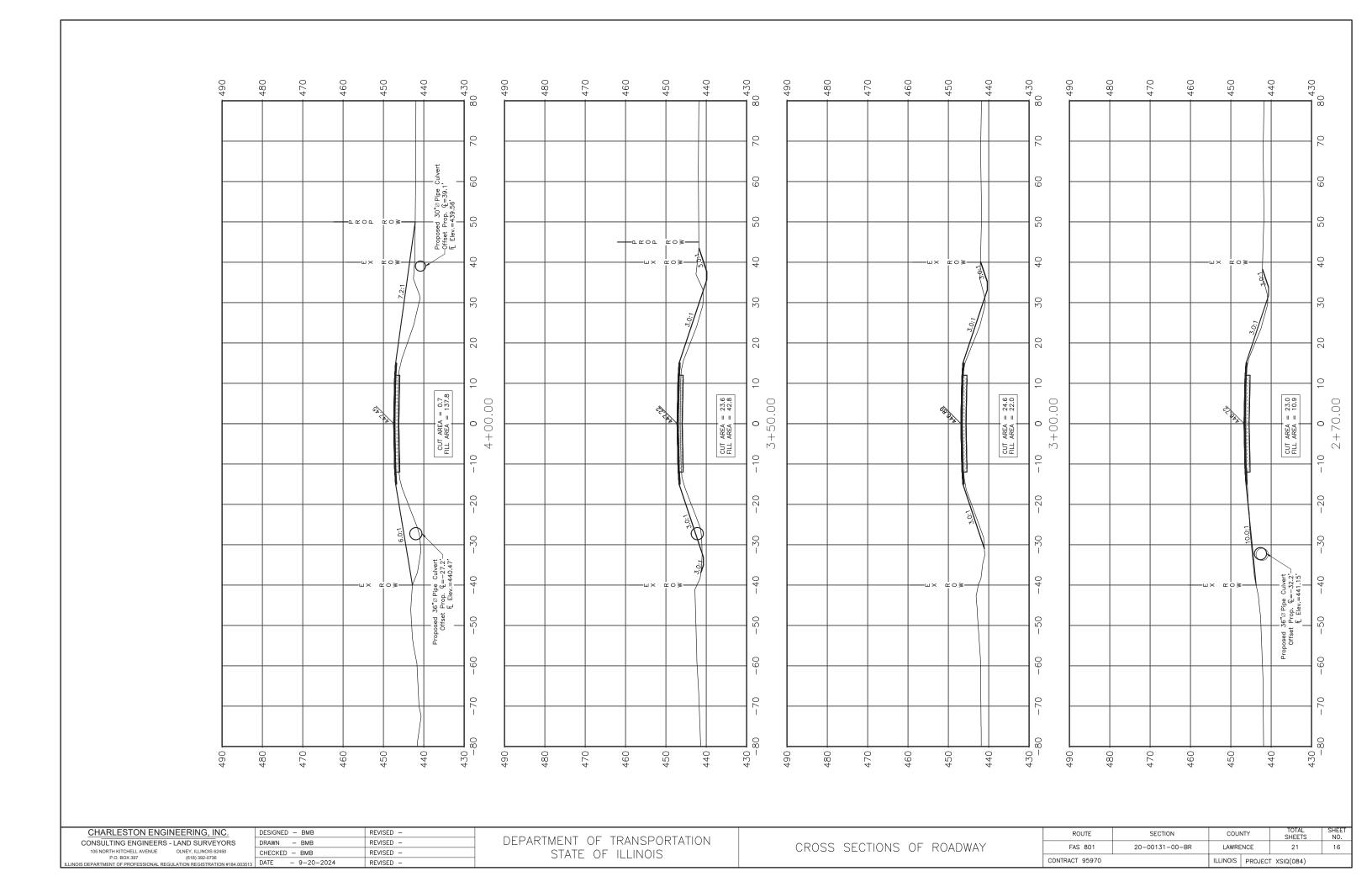
ROUTE	SECTION	COU	NTY	TOTAL SHEETS	SHEET NO.
FAS 801	20-00131-00-BR	LAWRE	ENCE	21	14
CONTRACT 95970		ILLINOIS	PROJEC ⁻	T XSIQ(084)	

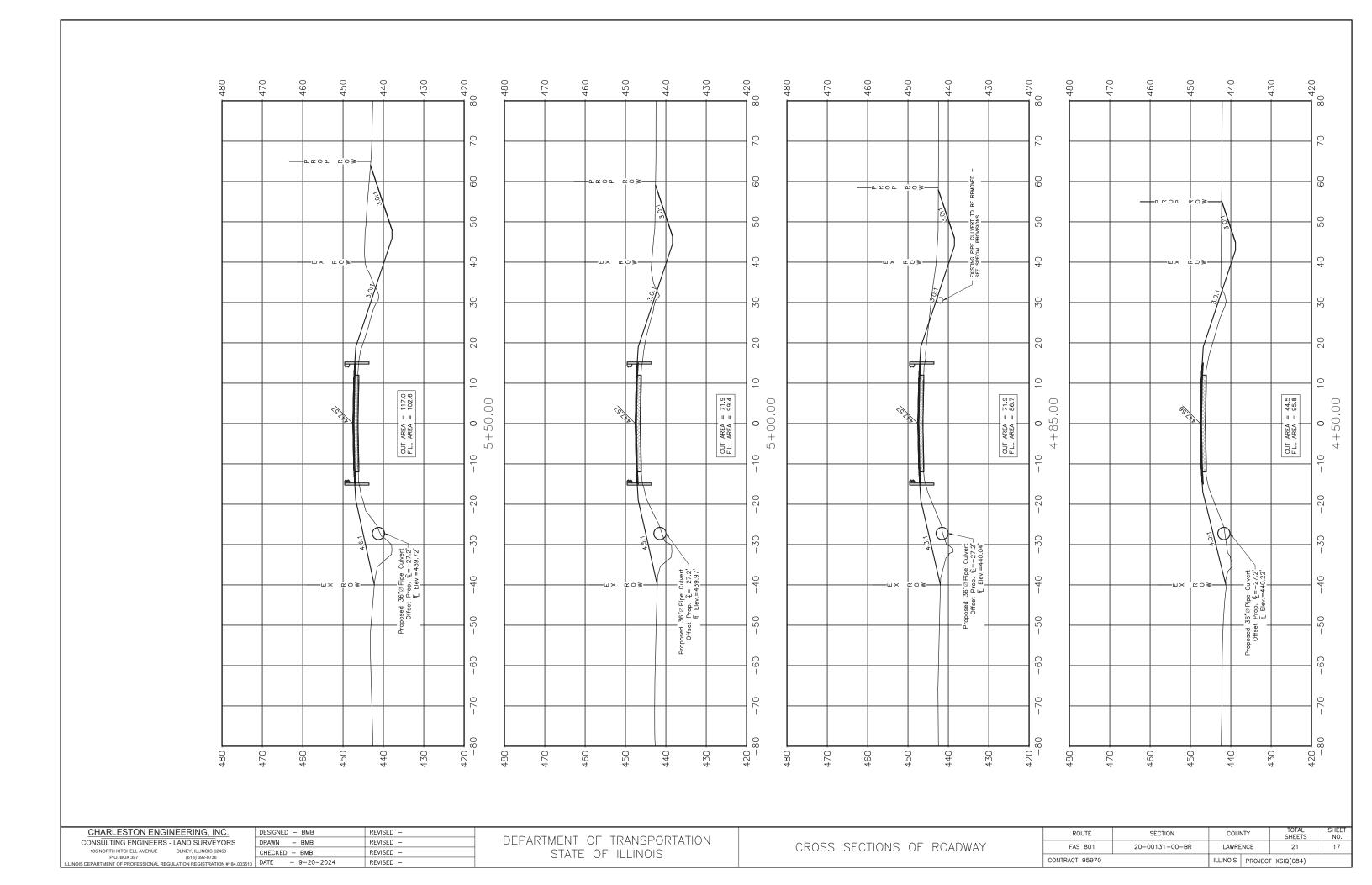


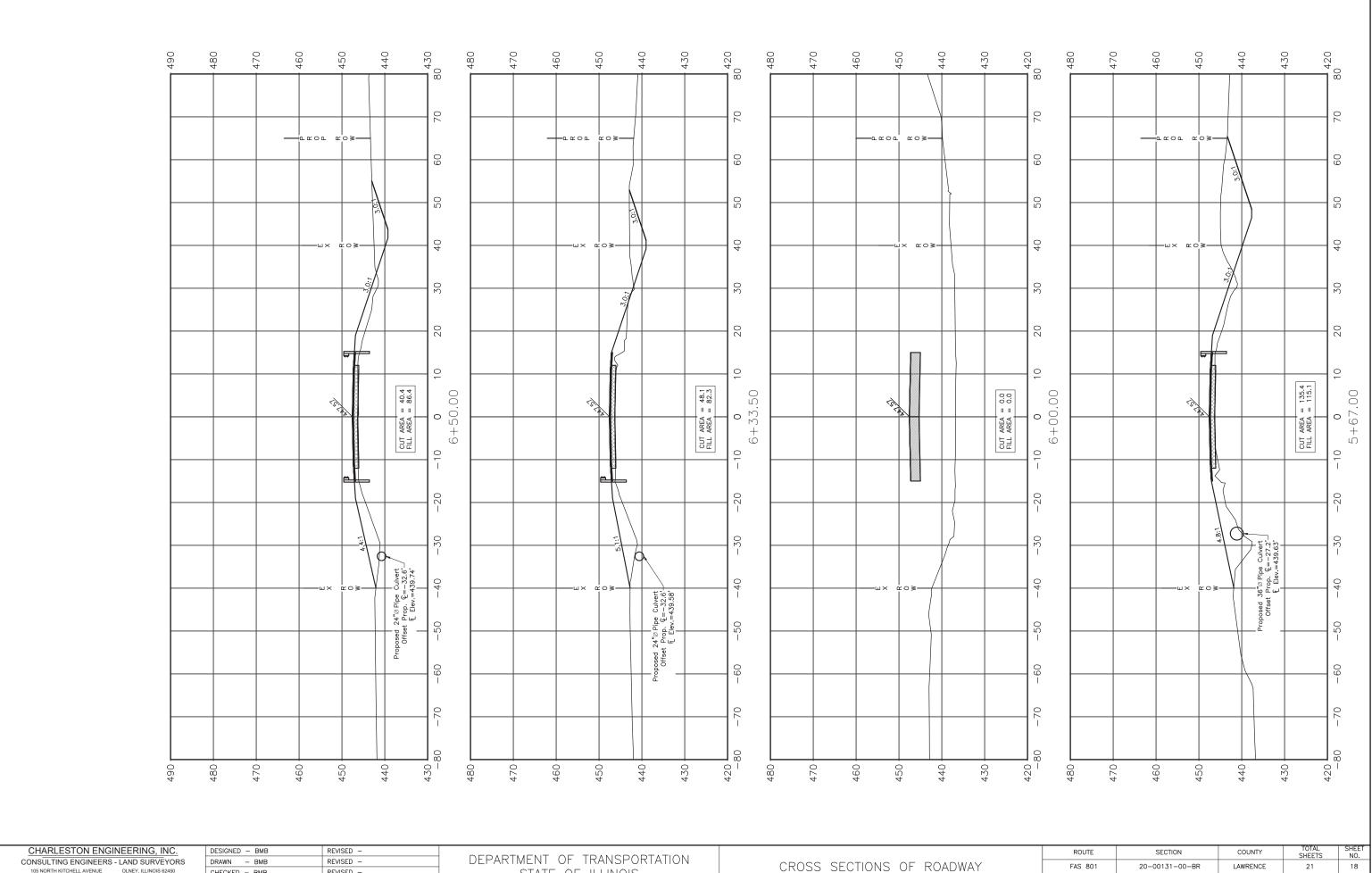
OTARLEOTON ENGINEERING	, IIVO.	LSIOIVED	INLVISED	
CONSULTING ENGINEERS - LAND SUF	VEYORS DR	RAWN -	ВМВ	REVISED -
105 NORTH KITCHELL AVENUE OLNEY, ILLING P.O. BOX 397 (618) 392-	,	CHECKED -	ВМВ	REVISED -
P.O. BOX 397 (618) 392- LLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGIS	D.4	DATE -	9-20-2024	REVISED -

DEDARTMENT OF TRANSCOOPTATION
DEPARTMENT OF TRANSPORTATION
STATE OF ILLINOIS
31/112 31 122111313

ROUTE	SECTION	COUNTY		SHEETS	NO.
FAS 801	20-00131-00-BR	LAWRENCE		21	15
CONTRACT 95970	T 95970		PROJECT	T XSIQ(084)	

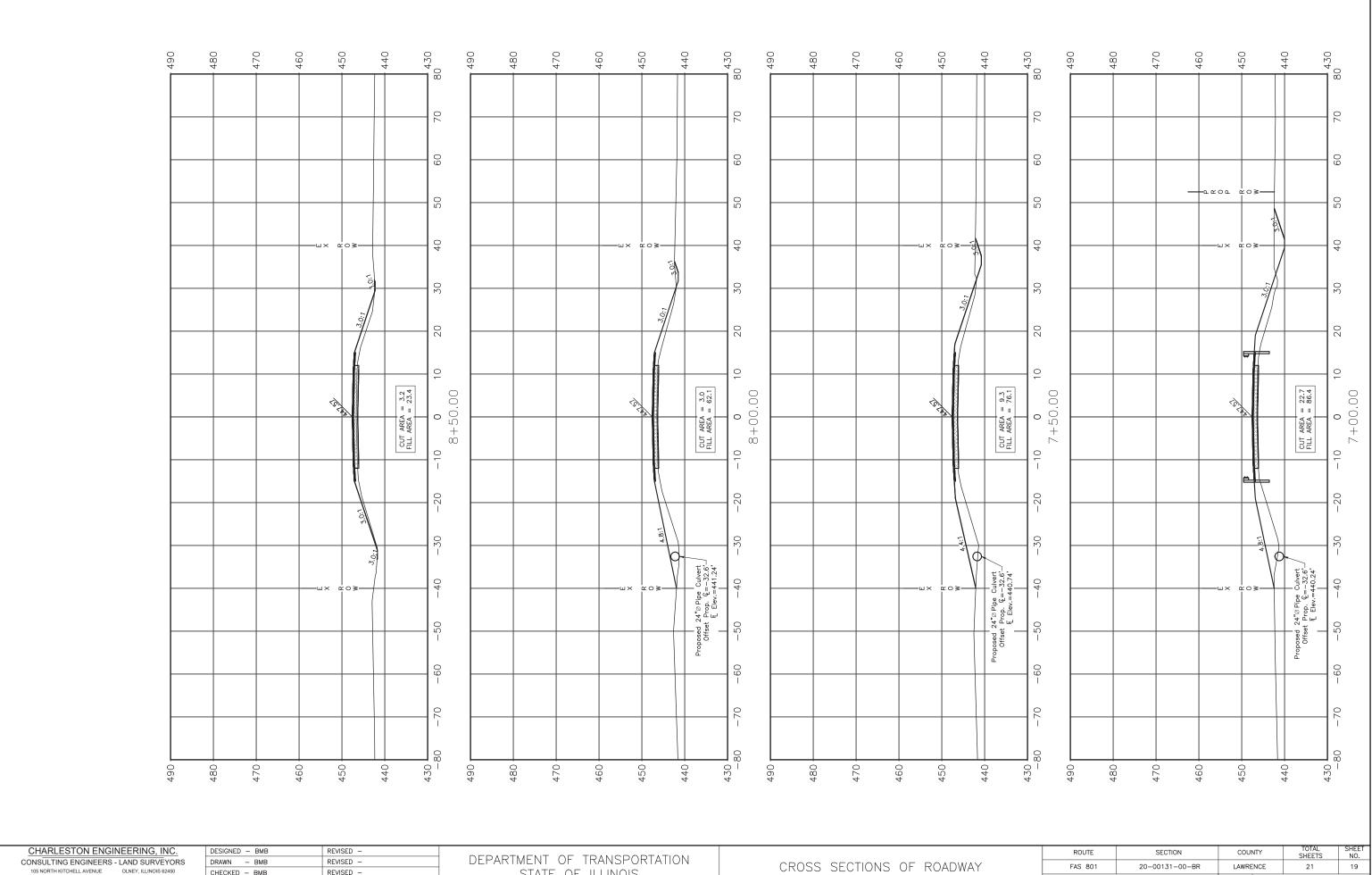






ILLINOIS PROJECT XSIQ(084)

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ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.003513	DATE - 9-20-2024	REVISED -	317 (12 31 72211(313		CONTRACT 95970	
105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 62450 P.O. BOX 397 (618) 392-0736	CHECKED - BMB	REVISED -	STATE OF ILLINOIS	CINOSS SECTIONS OF INDADWAT		20-00131-
CONSULTING ENGINEERS - LAND SURVEYORS	DRAWN — BMB	REVISED -	DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS OF ROADWAY	FAS 801	20-00131-
CHARLESTON ENGINEERING, INC.	DESIGNED - BMB	REVISED -			ROUTE	SECTION



CHARLESTON ENGINEERING, INC. DES	SIGNED - BMB	REVISED -	DEPARTMENT OF TRANSPORTATION STATE OF ILLINOIS		ROUTE	SECTION	COUNTY	TOTAL SHEETS
CONSULTING ENGINEERS - LAND SURVEYORS DRA	RAWN — BMB	REVISED -		CROSS SECTIONS OF ROADWAY	FAS 801	20-00131-00-BR	LAWRENCE	21
105 NORTH KITCHELL AVENUE OLNEY, ILLINOIS 62450 CHECKED — E	HECKED - BMB	REVISED -		CNUSS SECTIONS OF NUADWAT	173 001	20-00131-00-61	DAWINLINGE	21
P.O. BOX 397 (618) 392-0736 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184.003513 DATE —	TE - 9-20-2024	REVISED -	317112 01 122111013		CONTRACT 95970		ILLINOIS PROJEC	T XSIQ(084)

