

06-17-2022 LETTING ITEM 208  
 FOR INDEX OF SHEETS, SEE SHEET NO. 3

**DESIGN DESIGNATION**

4040(30) INTERSTATE 134.3 (CRC-20)

**TRAFFIC DATA**

I-80 (CHICAGO STREET TO RICHARDS STREET)  
 EXISTING ADT: 107,800 (2010)  
 DESIGN ADT: 111,000 (2040)

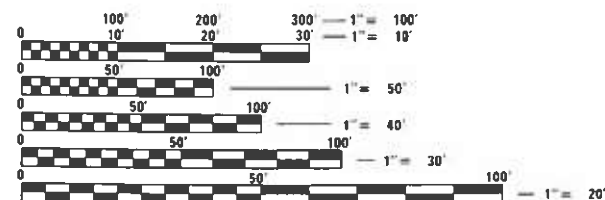
I-80 (RICHARDS STREET TO ROWELL AVENUE)  
 EXISTING ADT: 87,500 (2010)  
 DESIGN ADT: 103,000 (2040)

RICHARDS STREET (NORTH OF I-80)  
 EXISTING ADT: 11,515 (2010)  
 DESIGN ADT: 12,000 (2040)

RICHARDS STREET (SOUTH OF I-80)  
 EXISTING ADT: 10,656 (2010)  
 DESIGN ADT: 22,000 (2040)

DESIGN SPEED LIMIT: 60 MPH  
 POSTED SPEED LIMIT: 55 MPH

PROJECT LOCATED IN THE CITY OF JOLIET



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

MEADE ELECTRIC CO.  
 DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR  
 FOR LOCATING IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES  
 773-287-7672

PROJECT ENGINEER: SUNG BYUN (847) 705-4288  
 PROJECT MANAGER: KIM HARVEY (847) 705-4055  
 CONTRACT NO. 60W35

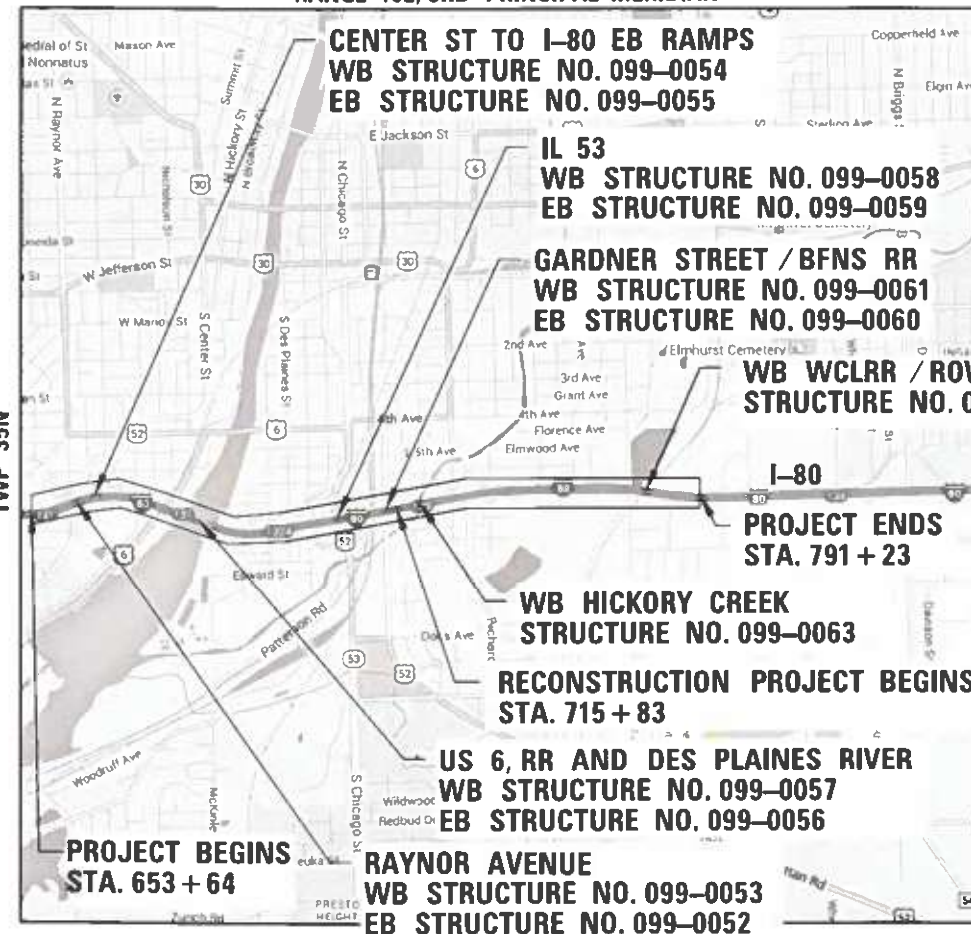
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PROPOSED  
 HIGHWAY PLANS**

FAI ROUTE 80 (INTERSTATE 80)  
 WB I-80 GARDNER STREET TO ROWELL AVENUE  
 BRIDGE AND ROADWAY RECONSTRUCTION  
 SECTION 2013-009B  
 PROJECT NHPP - 6FXA (534)  
 WILL COUNTY

C-91-244-13

RANGE 10E, 3RD PRINCIPAL MERIDIAN

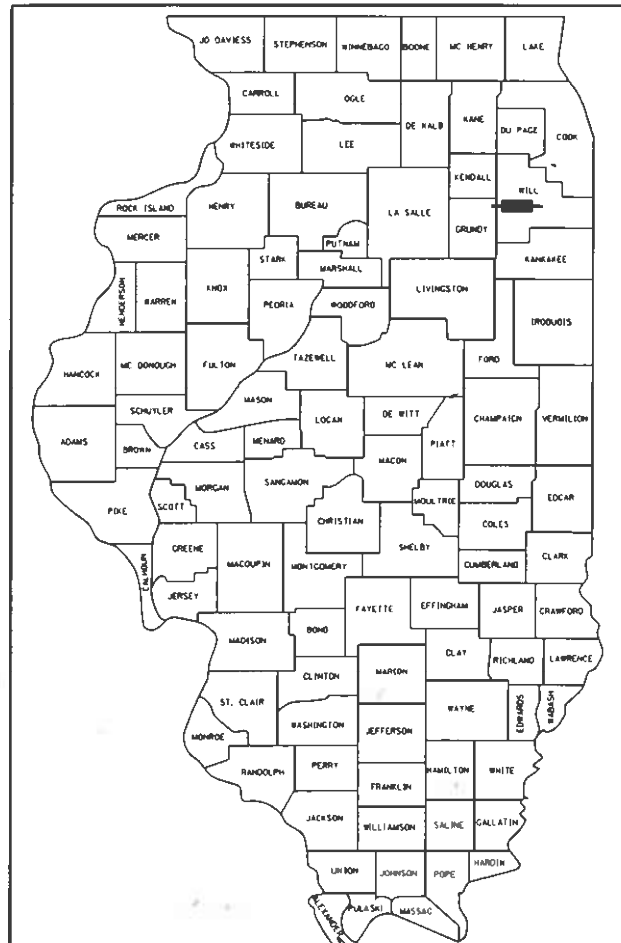


SCALE 1" = 2000'

GROSS LENGTH = 13,759 FT. = 2.61 MILE  
 NET LENGTH = 6,270 FT. = 1.19 MILE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-009B	WILL	466	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60W35	
* 465 + 1 = 466 TOTAL SHEETS				

D-91-244-13



LOCATION OF SECTION INDICATED THUS: - [Symbol] -

exp. **HNTB** Accurate GROUP, INC.  
 TranSmart Geo Services, Inc. HBM ENGINEERING GROUP, LLC

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED March 11 20 22  
Jose Pizarro  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
 May 13, 2022  
[Signature]  
 ENGINEER OF DESIGN AND ENVIRONMENT  
 May 13, 2022  
[Signature]  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
 OF THE STATE OF ILLINOIS

REVISOR SHEET 6/2/2022

REV-SEP

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE									
				90% FEDERAL, 10% STATE									
				ROADWAY 0004 URBAN	SAFETY 0021 URBAN	BRIDGE 0010 SN 099-0063	BRIDGE 0010 SN 099-0905	RET WALL 0004 WALL 1 SN 099-W035	RET WALL 0004 WALL 2 SN 099-W036	RET WALL 0004 WALL 3 SN 099-W037	BR. REPAIRS 0059		
44004250	PAVED SHOULDER REMOVAL	SQ YD	11,581	11,581									
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	605	605									
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	907	907									
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	907	907									
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,171	1,171									
48300415	PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4"	SQ YD	1,226	1,226									
48300800	PORTLAND CEMENT CONCRETE SHOULDERS 13"	SQ YD	12,308	12,308									
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1				1						
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1			1							
50102400	CONCRETE REMOVAL	CU YD	121.3			121.3							
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1									
50104650	SLOPE WALL REMOVAL	SQ YD	1,386			1,386							
50157300	PROTECTIVE SHIELD	SQ YD	1,119				1,119						
50200100	STRUCTURE EXCAVATION	CU YD	5,162			795	1,364	887	1,139	977			
50200300	COFFERDAM EXCAVATION	CU YD	405			241	164						
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	760 740	468 465	34 17	183				75			

\* SPECIALTY ITEM

REVISOR: [Symbol] REVISED SHEET 6/2/2022

	USER NAME = hechtbr	DESIGNED - BRH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE</b> <b>SUMMARY OF QUANTITIES</b>	F.A.I. RTE. 80	SECTION 2013-009B	COUNTY WILL	TOTAL SHEETS 465	SHEET NO. 8
	PLOT SCALE = 2.0000' / 1in.	CHECKED - TMH	REVISED -			SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 60W35	
FILE NAME = p:\exp\pw.bentley.com\exp-pw-01\Documents\Projects\CHI\00263426-A0\B00 CADD Design\B1 Contract 60W35.WB\B1.02 Civil\Sheet\0160W35-sht-S0004.dgn										


CONSTRUCTION CODE

90% FEDERAL, 10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE							
				ROADWAY 0004 URBAN	SAFETY 0021 URBAN	BRIDGE	BRIDGE	RET WALL	RET WALL	RET WALL	BR. REPAIRS
						0010	0010	0004	0004	0004	0059
				SN 099-0063	SN 099-0905	WALL 1 SN 099-W035	WALL 2 SN 099-W036	WALL 3 SN 099-W037			
50300225	CONCRETE STRUCTURES	CU YD	1,394.6			479.4	915.2				
50300255	CONCRETE SUPERSTRUCTURE	CU YD	3,366.6			758.4	1,258.0	285.6	702.6	362.0	
50300280	CONCRETE ENCASEMENT	CU YD	9.8			9.8					
50300300	PROTECTIVE COAT	SQ YD	10,638			3,160	5,184	421	1,206	667	
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	424.3			246.3	178.0				
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1			0.35	0.65				
50500505	STUD SHEAR CONNECTORS	EACH	37,280			13,904	23,376				
50800105	REINFORCEMENT BARS	POUND	53,530				53,530				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,240,250 <del>1,230,650</del>			380,090	638,060 <del>636,460</del>	51,530	130,390	40,180	
50800515	BAR SPLICERS	EACH	3,844			1,241	2,603				
50800530	MECHANICAL SPLICERS	EACH	20			20					
51100100	SLOPE WALL 4 INCH	SQ YD	2,319				2,319				
51100300	SLOPE WALL 6 INCH	SQ YD	639			639					
* 51201600	FURNISHING STEEL PILES HP12X53	FOOT	2,749 <del>2,571</del>			552 <del>512</del>	2,197 <del>2,059</del>				
* 51202305	DRIVING PILES	FOOT	2,749 <del>2,571</del>			552 <del>512</del>	2,197 <del>2,059</del>				
* 51203600	TEST PILE STEEL HP12X53	EACH	2				2				

\* SPECIALTY ITEM

REVISD SHEET 6/2/2022

	USER NAME = hechtbr	DESIGNED - BRH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE</b> <b>SUMMARY OF QUANTITIES</b>	F.A.I. RTE. = 80	SECTION = 2013-009B	COUNTY = WILL	TOTAL SHEETS = 465	SHEET NO. = 9
	PLOT SCALE = 2.0000' / 1in.	CHECKED - TMH	REVISED -			SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60W35	
FILE NAME = p:\exp\pw.bentley.com\exp-pw-01\Documents\Projects\CHI\0263426-A0\B00 CADD Design\B1 Contract 60W35.WB\B11.02 Civil\Sheet\0160W35-sht-S0005.dgn										


CONSTRUCTION CODE

90% FEDERAL, 10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE							
				ROADWAY 0004 URBAN	SAFETY 0021 URBAN	BRIDGE 0010 SN 099-0063	BRIDGE 0010 SN 099-0905	RET WALL 0004 WALL 1 SN 099-W035	RET WALL 0004 WALL 2 SN 099-W036	RET WALL 0004 WALL 3 SN 099-W037	BR. REPAIRS 0059
51204650	PILE SHOES	EACH	58			14	44				
51500100	NAME PLATES	EACH	3			1	1	1			
51602000	PERMANENT CASING	FOOT	<del>68</del> 105				<del>68</del> 105				
51603000	DRILLED SHAFT IN SOIL	CU YD	54.0				54.0				
51604000	DRILLED SHAFT IN ROCK	CU YD	<del>92.7</del> 101.4				<del>92.7</del> 101.4				
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT	266			266					
52000110	PREFORMED JOINT STRIP SEAL	FOOT	76				76				
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	22			22					
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	10				10				
52100030	ELASTOMERIC BEARING ASSEMBLY, TYPE III	EACH	10				10				
52100520	ANCHOR BOLTS, 1"	EACH	208			88	120				
52100540	ANCHOR BOLTS, 1 1/2"	EACH	40				40				
52200010	TEMPORARY SHEET PILING	SQ FT	765			765					
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	2,339				2,339				
52200500	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	7,266				1,216	2,771	3,279		
52200505	TEMPORARY MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ FT	671				671				

\* SPECIALTY ITEM

REVISOR: [Symbol] REVISED SHEET 6/2/2022

	USER NAME = hechtr	DESIGNED - BRH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE</b> <b>SUMMARY OF QUANTITIES</b>	F.A.I. RTE. 80	SECTION 2013-009B	COUNTY WILL	TOTAL SHEETS 465	SHEET NO. 10
	PLOT SCALE = 2.0000' / 1in.	CHECKED - TMH	REVISED -			SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 60W35	
FILE NAME = p:\exp\pw.bentley.com\exp-pw-01\Documents\Projects\CHI\0263426-A0\B00 CADD Design\B1 Contract 60W35-WB\B11.02 Civil\Sheet\DI60W35-sht-S0006.dgn										


CONSTRUCTION CODE

90% FEDERAL, 10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE									
				ROADWAY 0004 URBAN	SAFETY 0021 URBAN	BRIDGE 0010	BRIDGE 0010	RET WALL 0004	RET WALL 0004	RET WALL 0004	BR. REPAIRS 0059		
						SN 099-0063	SN 099-0905	WALL 1 SN 099-W035	WALL 2 SN 099-W036	WALL 3 SN 099-W037			
60250200	CATCH BASINS TO BE ADJUSTED	EACH	22	22									
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	9	9									
60602500	CONCRETE GUTTER, TYPE A	FOOT	655	655									
60602800	CONCRETE GUTTER, TYPE B	FOOT	540	540									
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	560	560									
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2,413		2,413								
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3		3								
63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	2		2								
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4		4								
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	5		5								
63200310	GUARDRAIL REMOVAL	FOOT	3,843	3,843									
63500105	DELINEATORS	EACH	31		31								
63800920	MODULAR GLARE SCREEN SYSTEM, TEMPORARY	FOOT	6,563	6,563									
66400105	CHAIN LINK FENCE, 4'	FOOT	5,508 <del>1,014</del>	5,508 <del>1,014</del>									
66400305	CHAIN LINK FENCE, 6'	FOOT	280	280									
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	8,290	8,290									

\* SPECIALTY ITEM

REVISOR SHEET 6/2/2022

	USER NAME = hechtbr	DESIGNED - BRH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE</b> <b>SUMMARY OF QUANTITIES</b>	F.A.I. RTE. 80	SECTION 2013-009B	COUNTY WILL	TOTAL SHEETS 465	SHEET NO. 12
	PLOT SCALE = 2.0000' / 1in.	CHECKED - TMH	REVISED -			CONTRACT NO. 60W35				
	PLOT DATE = 3/25/2022	DATE - 3/11/2022	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

FILE NAME = p:\exp\pw.bentley.com\exp-pw-01\Documents\Projects\CHI\0263426-A0\B00 CADD Design\B1 Contract 60W35.WB\B11.02 Civil\Sheet\0160W35-sht-S0008.dgn


CONSTRUCTION CODE

90% FEDERAL, 10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	CONSTRUCTION CODE					
						BRIDGE 0010	BRIDGE 0010	RET WALL 0004	RET WALL 0004	RET WALL 0004	BR. REPAIRS 0059
						SN 099-0063	SN 099-0905	WALL 1 SN 099-W035	WALL 2 SN 099-W036	WALL 3 SN 099-W037	
81800190	AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE	FOOT	2,560		2,560						
82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	33		33						
83050710	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. MAST ARM	EACH	5		5						
83050810	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	28		28						
83057435	LIGHT POLE, WOOD, 80 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	11		11						
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	238		238						
<del>83600365</del>	<del>LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 10" X 8"</del>	<del>EACH</del>	<del>25</del>		<del>25</del>						
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	25		25						
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	17		17						
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	9		9						
84200804	REMOVAL OF POLE FOUNDATION	EACH	9		9						
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1							
X0320051	CROSSHOLE SONIC LOGGING ACCESS DUCTS	FOOT	<del>478</del> 465					<del>478</del> 465			
X0320052	CROSSHOLE SONIC LOGGING TESTING	EACH	8					8			
X0321750	REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED	FOOT	382	382							
X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	7	7							
X0323879	SERVICE PATROL	CAL DA	764	764							
X0325201	SHOULDER RUMBLE STRIP REMOVAL	SQ YD	302	302							

\* SPECIALTY ITEM

REVISED SHEET 6/2/2022

	USER NAME = hechtr	DESIGNED - BRH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE</b> <b>SUMMARY OF QUANTITIES</b>	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.0000' / 1in.	CHECKED - TMH	REVISED -			80	2013-009B	WILL	465	18
PLOT DATE = 3/25/2022	DATE - 3/11/2022	REVISED -		SCALE: N.T.S.	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT <b>CONTRACT NO. 60W35</b>		


CONSTRUCTION CODE

90% FEDERAL, 10% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE									
				ROADWAY 0004 URBAN	SAFETY 0021 URBAN	BRIDGE 0010	BRIDGE 0010	RET WALL 0004	RET WALL 0004	RET WALL 0004	BR. REPAIRS 0059		
						SN 099-0063	SN 099-0905	WALL 1 SN 099-W035	WALL 2 SN 099-W036	WALL 3 SN 099-W037			
X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	25	25									
X0325349	TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)	FOOT	527	527									
X0326275	RAILROAD RIGHT-OF-WAY ENTRY PERMIT	EACH	1	1									
X0327120	WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT	ACRE	5.00	5.00									
X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	7			4	3						
X0900092	REPAIR BRIDGE RAIL	FOOT	135										135
X1200206	HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE	SQ YD	8,928										8,928
X1400366	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	L SUM	1	1									
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	53 <del>12</del>	53 <del>12</del>									
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	4,587			1,879	2,708						
X5210150	HIGH LOAD MULTI-ROTATIONAL BEARINGS, GUIDED EXPANSION, 400K	EACH	20				20						
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	36	36									
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.96									0.04
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	0.90									0.10
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	493	461									32
* X8211009	TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	10		10								
* X8250065	TEMPORARY LIGHTING CONTROLLER, 240 VOLT, POLE MOUNTED	EACH	1		1								

\* SPECIALTY ITEM

REVISÉ SHEET 6/2/2022


	USER NAME = hechtbr	DESIGNED - BRH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE</b> <b>SUMMARY OF QUANTITIES</b>	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 24,0000' / Ft.	CHECKED - TMH	REVISED -			80	2013-009B	WILL	465	19
	PLOT DATE = 3/25/2022	DATE - 3/11/2022	REVISED -			CONTRACT NO. 60W35				

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	CONSTRUCTION CODE									
				90% FEDERAL, 10% STATE									
				ROADWAY 0004 URBAN	SAFETY 0021 URBAN	BRIDGE 0010 SN 099-0063	BRIDGE 0010 SN 099-0905	RET WALL 0004 WALL 1 SN 099-W035	RET WALL 0004 WALL 2 SN 099-W036	RET WALL 0004 WALL 3 SN 099-W037	BR. REPAIRS 0059		
X8570000	SMART TRAFFIC MONITORING SYSTEM	L SUM	1	1									
Z0004552	APPROACH SLAB REMOVAL	SQ YD	796	796									
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	210			210							
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	40			40							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1									
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	828										860
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	2,109										2,109
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	5			5							
Z0018010	DRAINAGE SCUPPERS, DS-33	EACH	10				10						
Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	11	11									
Z0021400	EXPANSION JOINT (SPECIAL)	FOOT	36	36									
Z0022800	FENCE REMOVAL	FOOT	5,788 <del>1,285</del>	5,788 <del>1,285</del>									
Z0023201	SEDIMENT CONTROL, SILT CURTAIN	EACH	7	7									
Z0026408	TEMPORARY SHEET PILING (SPECIAL)	SQ FT	220					220					
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	7,630	822		2,600	4,208						
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	730	515									215

\* SPECIALTY ITEM

△ REVISED SHEET 6/2/2022

	USER NAME = hechtbr	DESIGNED - BRH	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE</b> <b>SUMMARY OF QUANTITIES</b>	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.0000' / 1in.	CHECKED - TMH	REVISED -			80	2013-009B	WILL	465	20
	PLOT DATE = 3/25/2022	DATE - 3/11/2022	REVISED -			CONTRACT NO. 60W35		ILLINOIS FED. AID PROJECT		

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.


FILE NAME = p:\exp\pw.bentley.com\exp-pw-01\Documents\Projects\CHI\0263426-A0\B00 CADD Design\B1 Contract 60W35-WB\B11.02 Civil\Sheet\0160W35-sht-S0016.dgn



					CONSTRUCTION CODE						
					90% FEDERAL, 10% STATE						
CODE NO.	ITEM	UNIT	TOTAL QUANTITY URBAN	ROADWAY 0004 URBAN	SAFETY 0021 URBAN	BRIDGE	BRIDGE	RET WALL	RET WALL	RET WALL	BR. REPAIRS
						0010	0010	0004	0004	0004	0059
						SN 099-0063	SN 099-0905	WALL 1 SN 099-W035	WALL 2 SN 099-W036	WALL 3 SN 099-W037	
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	33		33						
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24		24						
Z0034390	MODULAR EXPANSION JOINT 6"	FOOT	61				61				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1							
Z0062456	TEMPORARY PAVEMENT	SQ YD	7,178	7,178							
Z0064600	SELECTIVE CLEARING	ACRE	2.75 <del>3.00</del>	2.75 <del>3.00</del>							
Z0073500	TEMPORARY SUPPORT SYSTEM	L SUM	1			1					
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	12 <del>11</del>	6 <del>5</del>							6
Ø Z0076600	TRAINEES	HOURS	2500	2500							
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOURS	2500	2500							

\* SPECIALTY ITEM

REVISSED SHEET 6/2/2022 Ø 0042

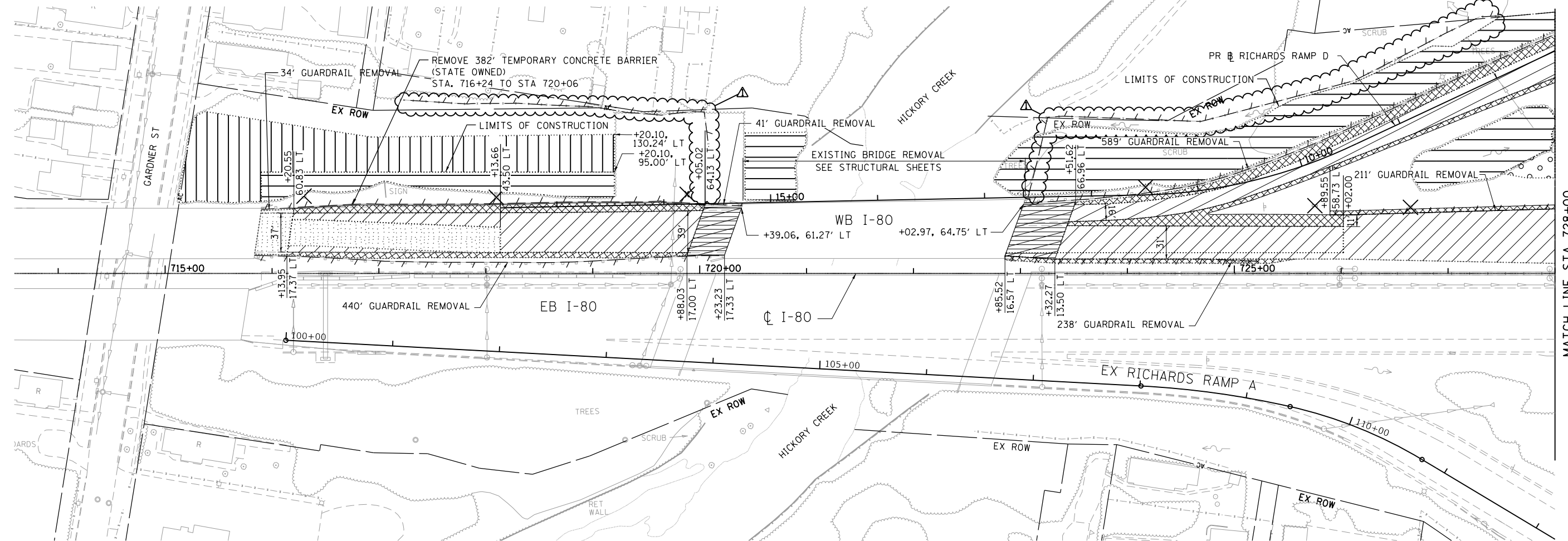
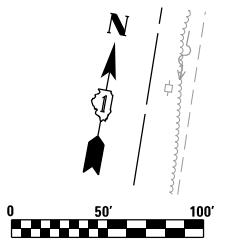
	USER NAME = hechtr	DESIGNED - BRH	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE SUMMARY OF QUANTITIES</b>	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEET NO.	
	PLOT SCALE = 2.0000' / 1in.	CHECKED - TMH	REVISED -			80	2013-009B	WILL	465	21
	PLOT DATE = 3/25/2022	DATE - 3/11/2022	REVISED -			CONTRACT NO. 60W35			ILLINOIS FED. AID PROJECT	

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.



**REMOVAL LEGEND**

	PAVEMENT REMOVAL		SELECTIVE CLEARING AND WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT
	TREE REMOVAL		WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT
	PAVED SHOULDER REMOVAL		STORM SEWER REMOVAL
	DRAINAGE STR. REMOVAL		LINEAR ITEM REMOVAL
	ITEM REMOVAL		HMA SURFACE REMOVAL-BUTT JOINT
	APPROACH SLAB REMOVAL		



NOTES:  
 1. SEE APPROACH SLAB REMOVAL SPECIAL PROVISION FOR ADDITIONAL INFORMATION REGARDING ITEMS TO BE REMOVED.  
 2. AREAS DESIGNATED AS REQUIRING NATIVE LANDSCAPING ENHANCEMENT SHALL ONLY BE ACCESSED TO PERFORM THE WORK DESCRIBED IN THE SPECIAL PROVISIONS. EQUIPMENT AND STORAGE SHALL NOT BE ALLOWED IN THESE AREAS.



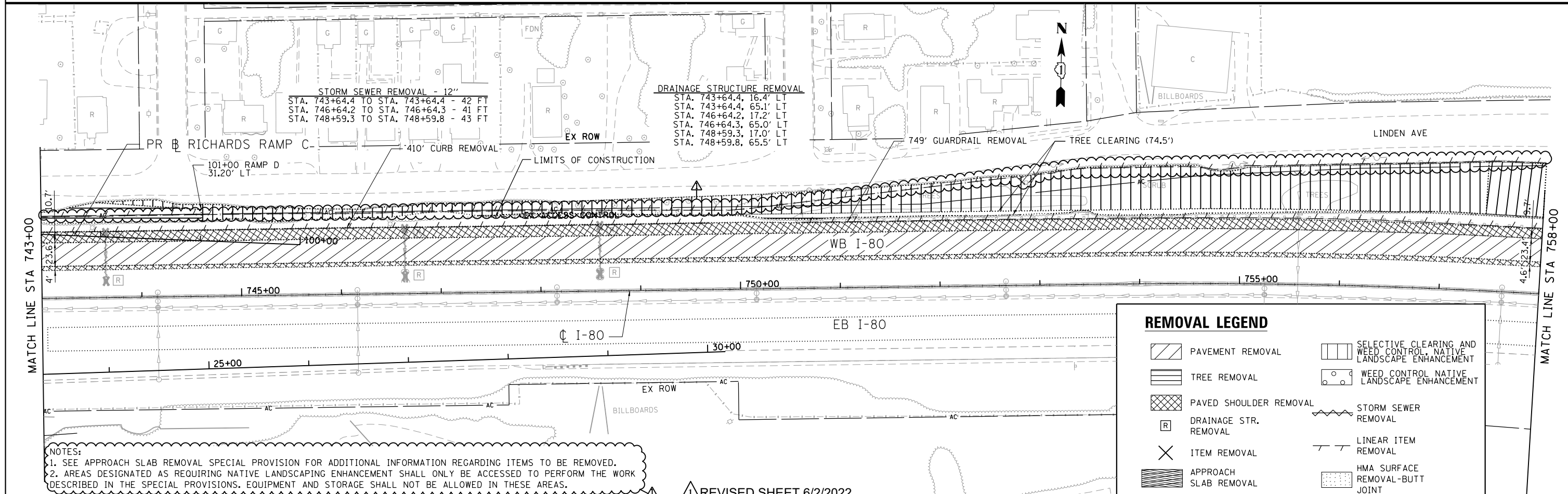
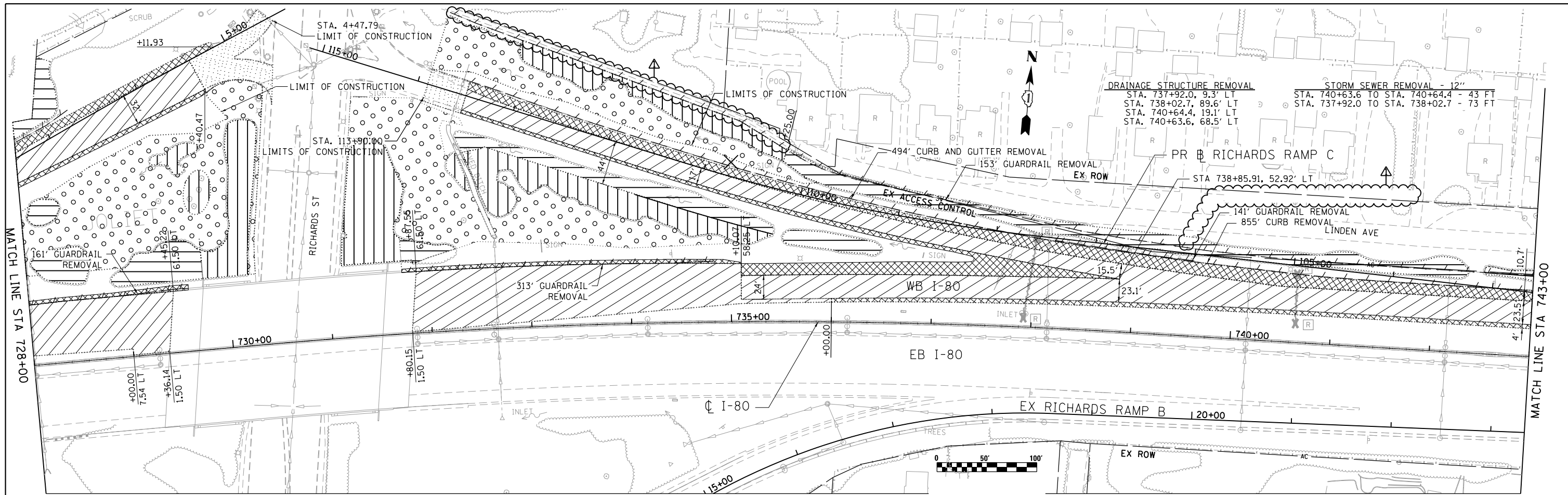
USER NAME = czimowitch	DESIGNED - JRS	REVISED - 6/1/2022 CZ
PLOT SCALE = 100.0000' / in.	DRAWN - JRS	REVISED -
PLOT DATE = 5/31/2022	CHECKED - HER	REVISED -
	DATE - 3/11/2022	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**WB I-80 FROM GARDNER STREET TO ROWELL AVENUE  
 REMOVAL PLAN**

SCALE: 1" = 50' SHEET OF SHEETS STA. 716+14.36 TO STA. 728+00

F.A.I. RTE. 80	SECTION 2013-009B	COUNTY WILL	TOTAL SHEETS 465	SHEET NO. 36
CONTRACT NO. 60W35				
ILLINOIS FED. AID PROJECT				



**REMOVAL LEGEND**

	PAVEMENT REMOVAL		SELECTIVE CLEARING AND WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT
	TREE REMOVAL		WEED CONTROL NATIVE LANDSCAPE ENHANCEMENT
	PAVED SHOULDER REMOVAL		STORM SEWER REMOVAL
	DRAINAGE STR. REMOVAL		LINEAR ITEM REMOVAL
	ITEM REMOVAL		HMA SURFACE REMOVAL-BUTT JOINT
	APPROACH SLAB REMOVAL		

**NOTES:**  
 1. SEE APPROACH SLAB REMOVAL SPECIAL PROVISION FOR ADDITIONAL INFORMATION REGARDING ITEMS TO BE REMOVED.  
 2. AREAS DESIGNATED AS REQUIRING NATIVE LANDSCAPING ENHANCEMENT SHALL ONLY BE ACCESSED TO PERFORM THE WORK DESCRIBED IN THE SPECIAL PROVISIONS. EQUIPMENT AND STORAGE SHALL NOT BE ALLOWED IN THESE AREAS.

REVISOR SHEET 6/2/2022



USER NAME = czimmowitch	DESIGNED - JRS	REVISED - 6/1/2022 CZ
PLOT SCALE = 100.0000' / in.	DRAWN - JRS	REVISED -
PLOT DATE = 5/31/2022	CHECKED - HER	REVISED -
	DATE = 3/11/2022	REVISED -

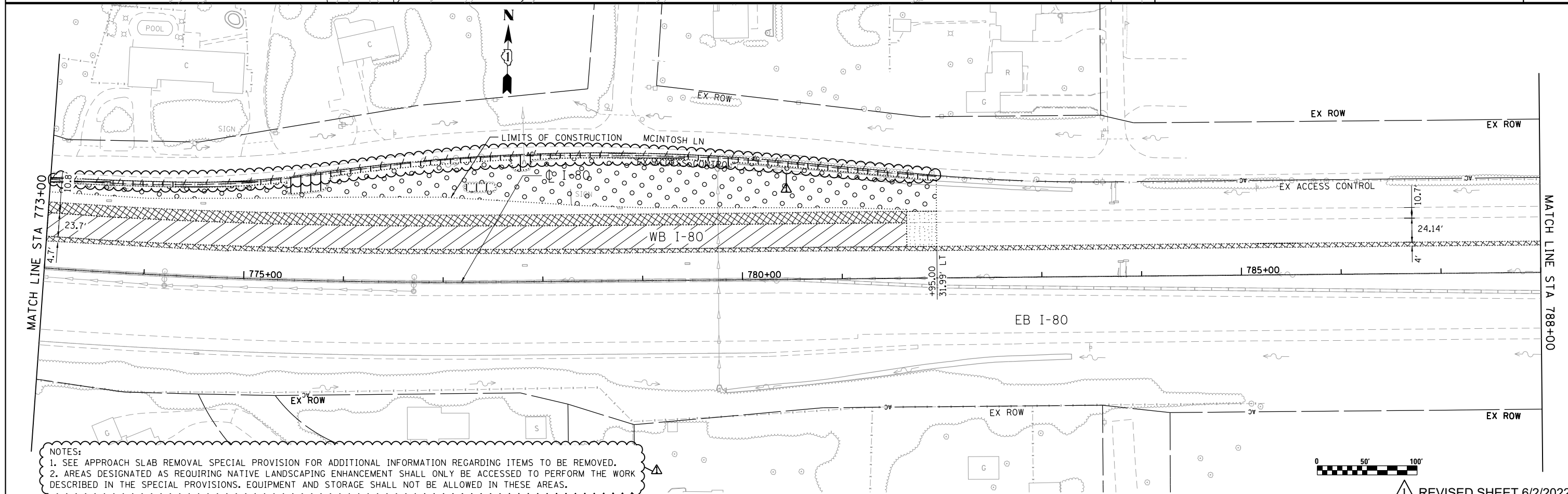
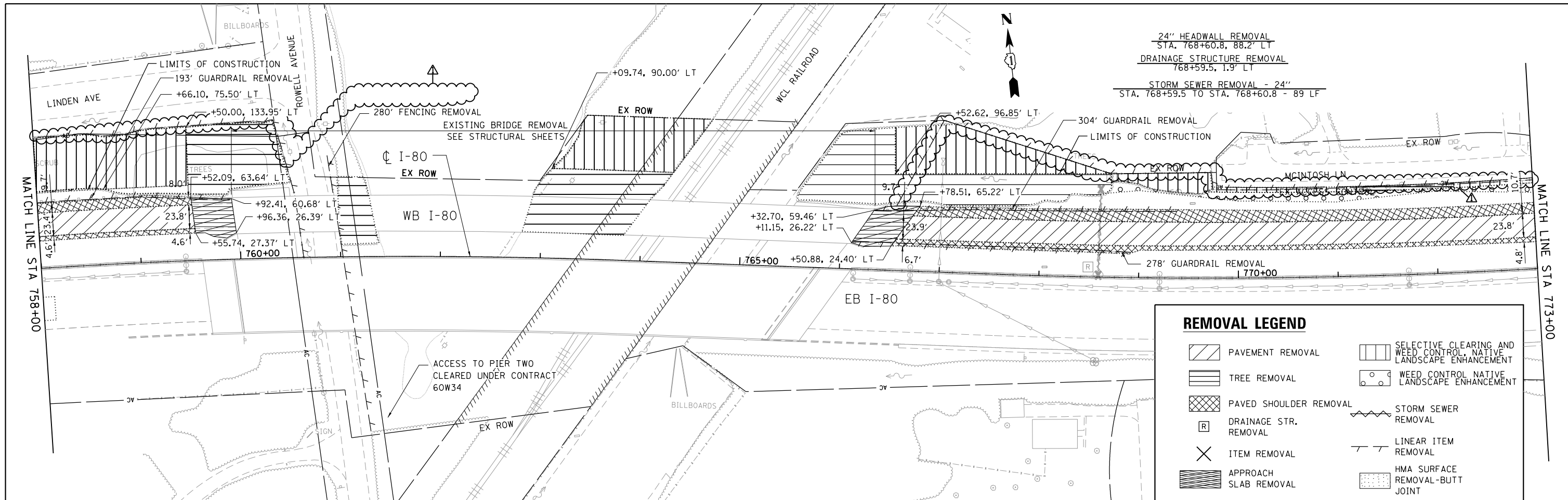
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WB I-80 FROM GARDNER STREET TO ROWELL AVENUE  
REMOVAL PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. 728+00 TO STA. 758+00

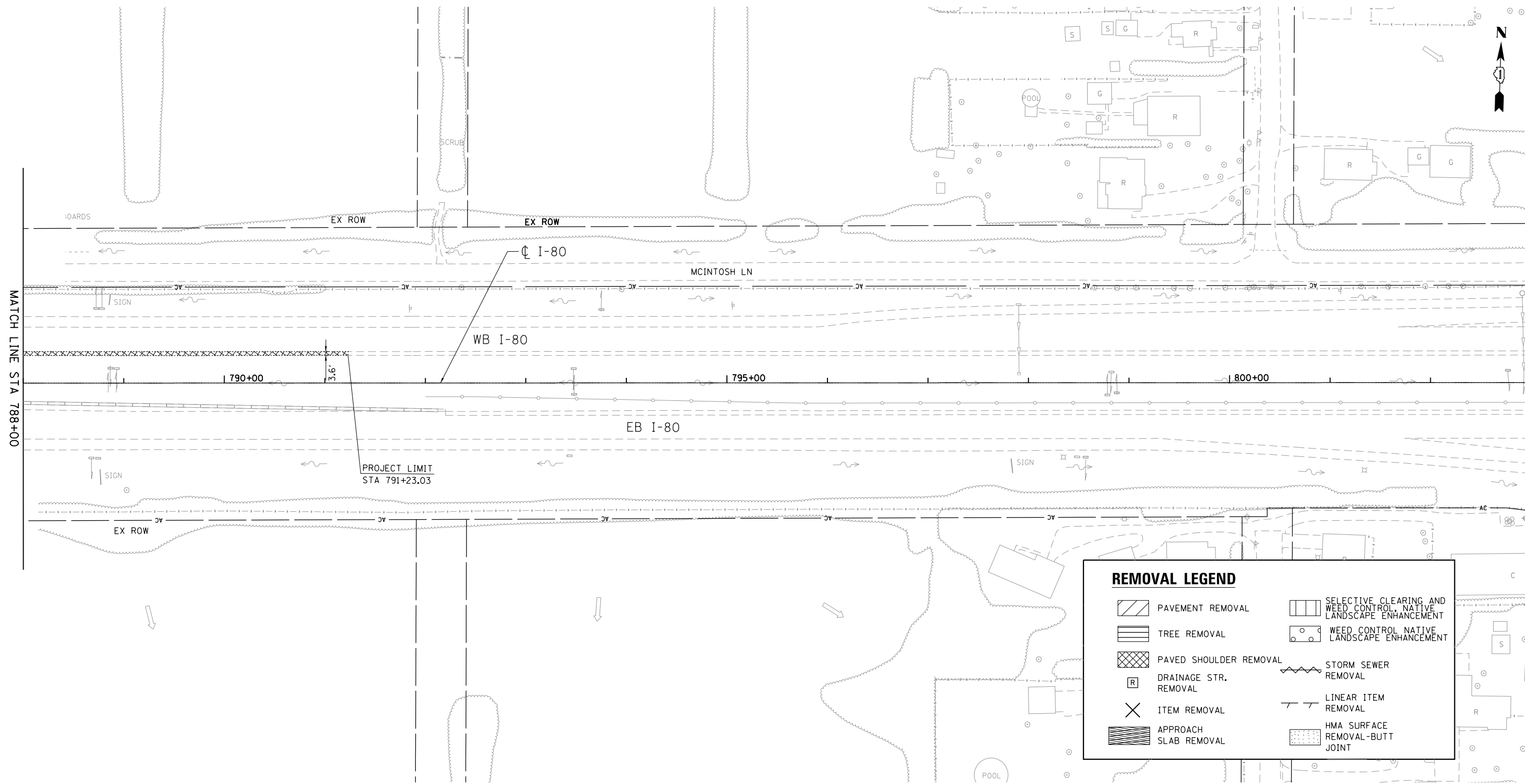
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-009B	WILL	465	37

CONTRACT NO. 60W35



<b>HNTB</b>	USER NAME = czimowitch	DESIGNED - JRS	REVISED - 6/1/2022 CZ	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE REMOVAL PLAN</b>	F.A.I. RTE. = 80	SECTION = 2013-009B	COUNTY = WILL	TOTAL SHEETS = 465	SHEET NO. = 38
	PLOT SCALE = 100.0000' / in.	CHECKED - HER	REVISED -			SCALE: 1" = 50'	SHEET OF SHEETS	STA. 758+00 TO STA. 788+00	CONTRACT NO. 60W35	
PLOT DATE = 5/31/2022		DATE = 3/11/2022	REVISED -							

FILE NAME = p:\exp\pw.bentley.com\exp-pw-01\Documents\Projects\CHI\00263426-A0\B00 CADD Design\B11 Contract 60W35-WB\B11.02 Civil\Sheet\0160W35-sht-removal-03.dgn



**REMOVAL LEGEND**

	PAVEMENT REMOVAL		SELECTIVE CLEARING AND WEED CONTROL, NATIVE LANDSCAPE ENHANCEMENT
	TREE REMOVAL		WEED CONTROL NATIVE LANDSCAPE ENHANCEMENT
	PAVED SHOULDER REMOVAL		STORM SEWER REMOVAL
	DRAINAGE STR. REMOVAL		LINEAR ITEM REMOVAL
	ITEM REMOVAL		HMA SURFACE REMOVAL-BUTT JOINT
	APPROACH SLAB REMOVAL		

NOTES:  
 1. SEE APPROACH SLAB REMOVAL SPECIAL PROVISION FOR ADDITIONAL INFORMATION REGARDING ITEMS TO BE REMOVED.  
 2. AREAS DESIGNATED AS REQUIRING NATIVE LANDSCAPING ENHANCEMENT SHALL ONLY BE ACCESSED TO PERFORM THE WORK DESCRIBED IN THE SPECIAL PROVISIONS. EQUIPMENT AND STORAGE SHALL NOT BE ALLOWED IN THESE AREAS.



REVISED SHEET 6/2/2022



USER NAME = czimowitch	DESIGNED - JRS	REVISED - 6/1/2022 CZ
	DRAWN - JRS	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - HER	REVISED -
PLOT DATE = 5/30/2022	DATE - 3/11/2022	REVISED -

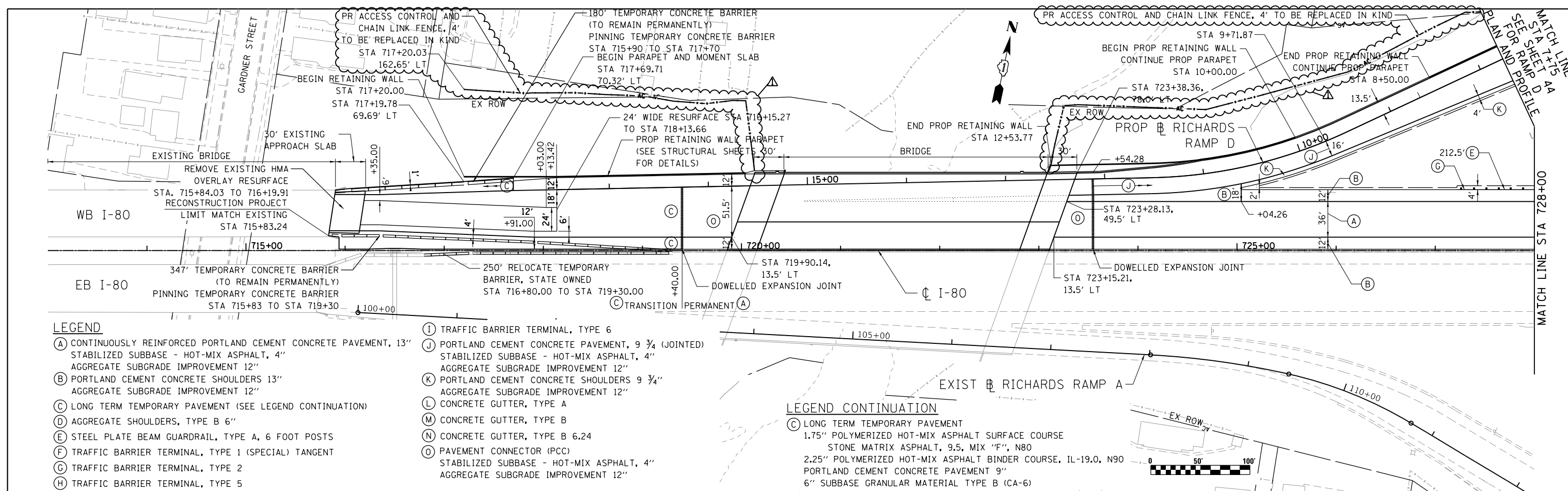
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WB I-80 FROM GARDNER STREET TO ROWELL AVENUE  
 REMOVAL PLAN  
 SCALE: 1" = 50' SHEET OF SHEETS STA. 788+00 TO STA. 803+00

F.A.I. RTE. 80	SECTION 2013-009B	COUNTY WILL	TOTAL SHEETS 465	SHEET NO. 39
			CONTRACT NO. 60W35	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	PAID FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	STRUCTURE NOTATIONS CPWD	

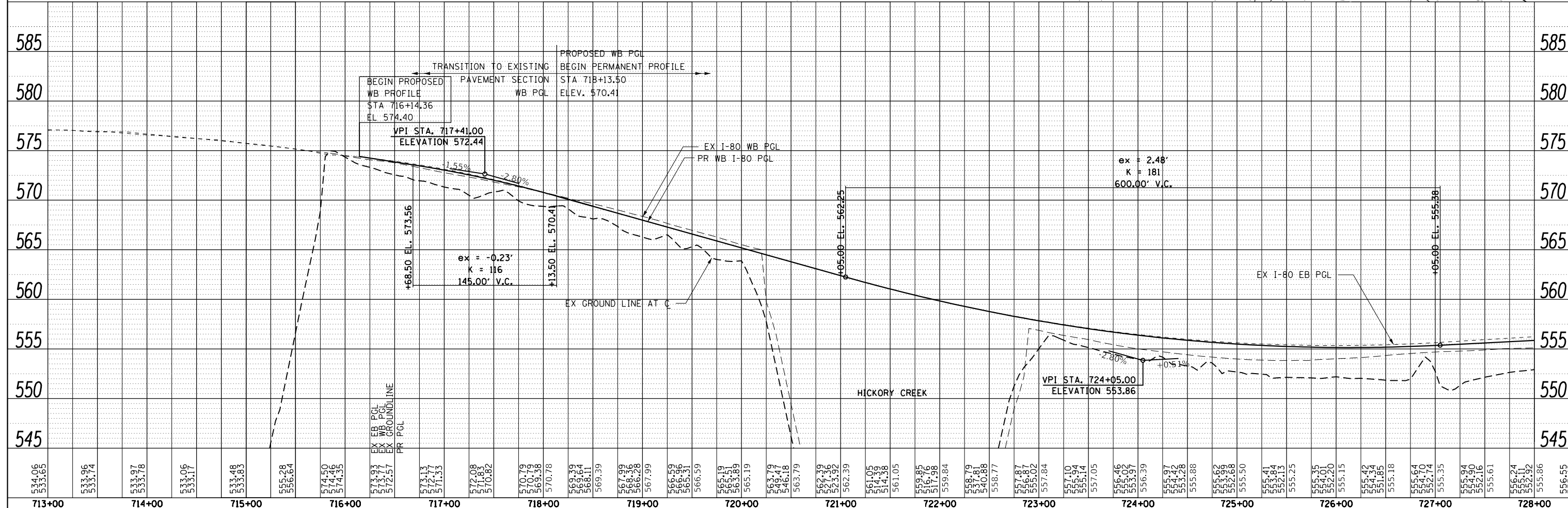


**LEGEND**

- (A) CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 13" STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (B) PORTLAND CEMENT CONCRETE SHOULDERS 13" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (C) LONG TERM TEMPORARY PAVEMENT (SEE LEGEND CONTINUATION)
- (D) AGGREGATE SHOULDERS, TYPE B 6"
- (E) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (F) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- (G) TRAFFIC BARRIER TERMINAL, TYPE 2
- (H) TRAFFIC BARRIER TERMINAL, TYPE 5
- (I) TRAFFIC BARRIER TERMINAL, TYPE 6
- (J) PORTLAND CEMENT CONCRETE PAVEMENT, 9 3/4" (JOINTED) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (K) PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (L) CONCRETE GUTTER, TYPE A
- (M) CONCRETE GUTTER, TYPE B
- (N) CONCRETE GUTTER, TYPE B 6.24
- (O) PAVEMENT CONNECTOR (PCC) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"

**LEGEND CONTINUATION**

- (C) LONG TERM TEMPORARY PAVEMENT  
1.75" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE  
STONE MATRIX ASPHALT, 9.5, MIX "F", N80  
2.25" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90  
PORTLAND CEMENT CONCRETE PAVEMENT 9"  
6" SUBBASE GRANULAR MATERIAL TYPE B (CA-6)



USER NAME = czimmoitch	DESIGNED - HER	REVISED - 6/1/2022 CZ
PLOT SCALE = 100,000' / in.	DRAWN - HER	REVISED -
PLOT DATE = 5/31/2022	CHECKED - MAM	REVISED -
	DATE = 3/11/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WB I-80 FROM GARDNER STREET TO ROWELL AVENUE  
ROADWAY PLAN AND PROFILE

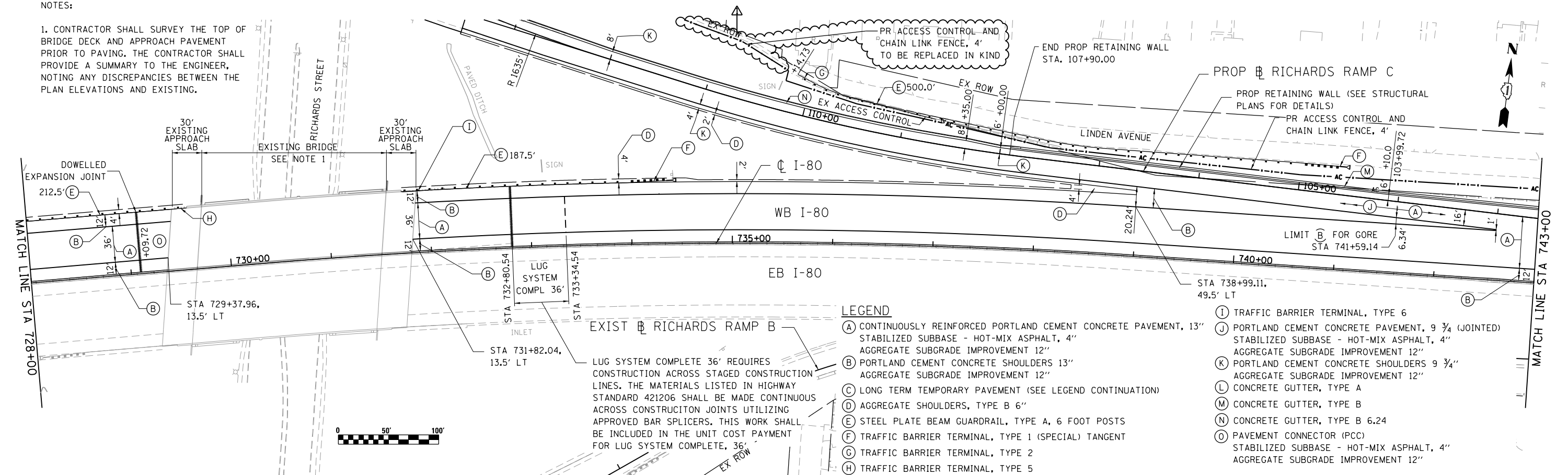
F.A.I. RTE. 80	SECTION 2013-009B	COUNTY WILL	TOTAL SHEETS 465	SHEET NO. 40
CONTRACT NO. 60W35				ILLINOIS FED. AID PROJECT

FILE NAME = p:\exp\pw.bentley.com\exp\pw\01\Documents\Projects\CHI\0263426-A0\800 CADD Design\811 Contract 60W35.WB\811.02 Civil\Sheet\0160W35-shr-plnprf02.dgn

**NOTES:**

1. CONTRACTOR SHALL SURVEY THE TOP OF BRIDGE DECK AND APPROACH PAVEMENT PRIOR TO PAVING. THE CONTRACTOR SHALL PROVIDE A SUMMARY TO THE ENGINEER, NOTING ANY DISCREPANCIES BETWEEN THE PLAN ELEVATIONS AND EXISTING.

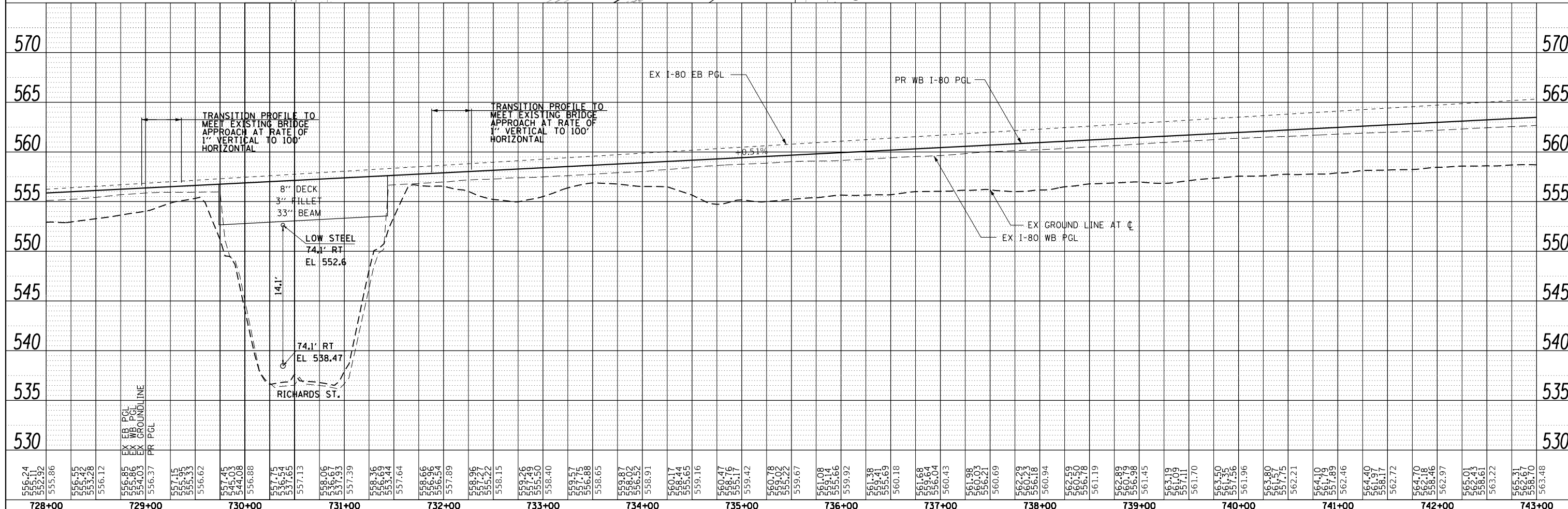
PLAN	SURVEYED	DATE
	BY	
	CHECKED	
	NO. _____	
	NO. _____	



**LEGEND**

- (A) CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 13" STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (B) PORTLAND CEMENT CONCRETE SHOULDERS 13" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (C) LONG TERM TEMPORARY PAVEMENT (SEE LEGEND CONTINUATION)
- (D) AGGREGATE SHOULDERS, TYPE B 6"
- (E) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (F) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- (G) TRAFFIC BARRIER TERMINAL, TYPE 2
- (H) TRAFFIC BARRIER TERMINAL, TYPE 5
- (I) TRAFFIC BARRIER TERMINAL, TYPE 6
- (J) PORTLAND CEMENT CONCRETE PAVEMENT, 9 3/4" (JOINTED) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (K) PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (L) CONCRETE GUTTER, TYPE A
- (M) CONCRETE GUTTER, TYPE B
- (N) CONCRETE GUTTER, TYPE B 6.24
- (O) PAVEMENT CONNECTOR (PCC) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"

PROFILE	SURVEYED	DATE
	BY	
	CHECKED	
	NO. _____	
	NO. _____	



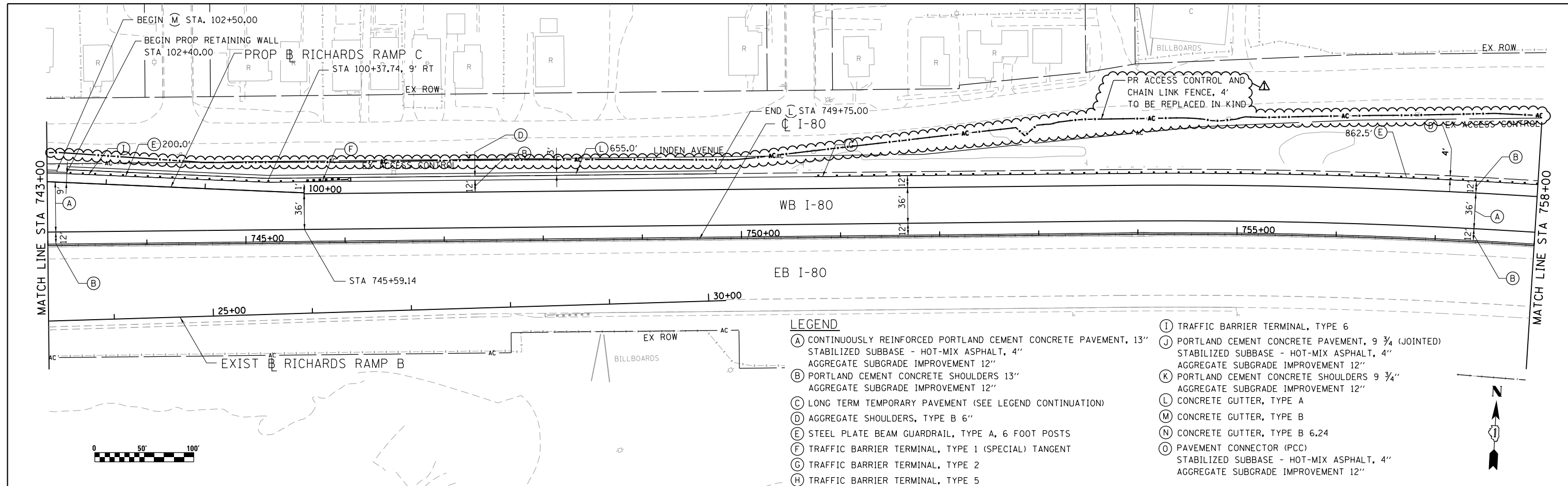
<b>HNTB</b>	USER NAME = czimnowitch DRAWN = HER CHECKED = MAM PLOT DATE = 5/31/2022	DESIGNED = HER REVISIONS: 1. 6/1/2022 CZ 2. 3/11/2022 DATE = 3/11/2022	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE ROADWAY PLAN AND PROFILE</b>	SECTION = 80 COUNTY = 2013-009B CONTRACT NO. = 60W35	TOTAL SHEETS = 41 SHEET NO. = 41
-------------	--	--	---	--	--	-------------------------------------

REVISD SHEET 6/2/2022

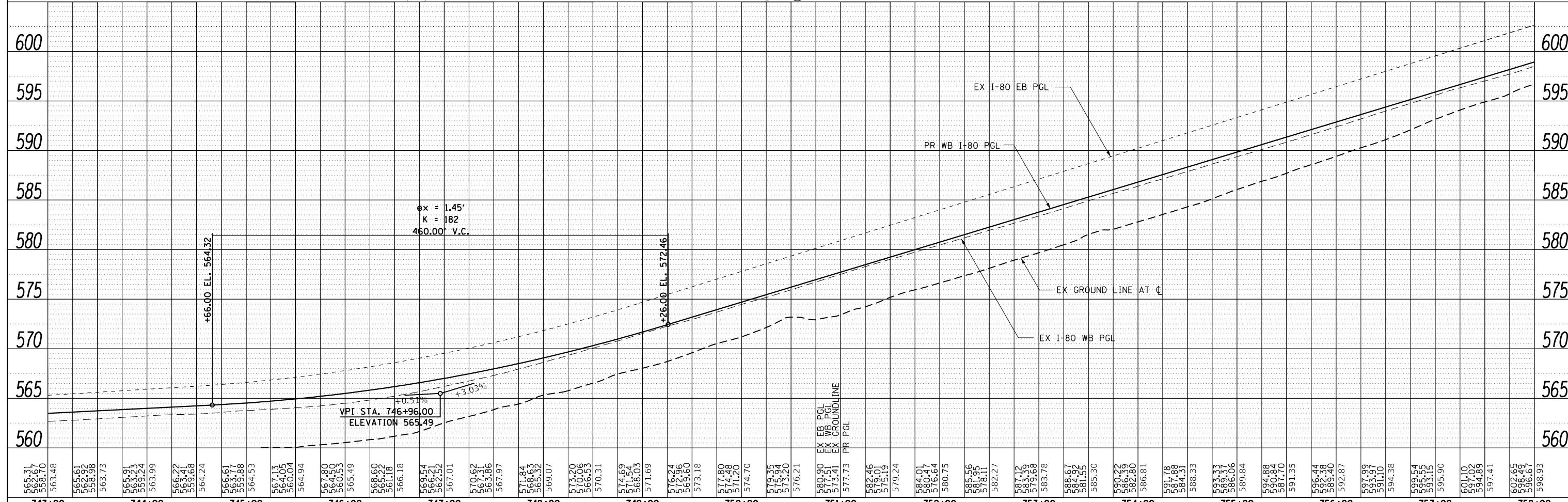


PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	STRUCTURE NOTATIONS		
	NO.		

PROF ILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	STRUCTURE NOTATIONS		
	NO.		



- LEGEND**
- (A) CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 13" STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
  - (B) PORTLAND CEMENT CONCRETE SHOULDERS 13" AGGREGATE SUBGRADE IMPROVEMENT 12"
  - (C) LONG TERM TEMPORARY PAVEMENT (SEE LEGEND CONTINUATION)
  - (D) AGGREGATE SHOULDERS, TYPE B 6"
  - (E) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
  - (F) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
  - (G) TRAFFIC BARRIER TERMINAL, TYPE 2
  - (H) TRAFFIC BARRIER TERMINAL, TYPE 5
  - (I) TRAFFIC BARRIER TERMINAL, TYPE 6
  - (J) PORTLAND CEMENT CONCRETE PAVEMENT, 9 3/4" (JOINTED) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
  - (K) PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4" AGGREGATE SUBGRADE IMPROVEMENT 12"
  - (L) CONCRETE GUTTER, TYPE A
  - (M) CONCRETE GUTTER, TYPE B
  - (N) CONCRETE GUTTER, TYPE B 6.24
  - (O) PAVEMENT CONNECTOR (PCC) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"



USER NAME = czimmo	DESIGNED - HER	REVISED - 6/1/2022 CZ
PLOT SCALE = 100,000' / in.	DRAWN - HER	REVISED -
PLOT DATE = 5/30/2022	CHECKED - MAM	REVISED -
	DATE = 3/11/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WB I-80 FROM GARDNER STREET TO ROWELL AVENUE  
ROADWAY PLAN AND PROFILE**

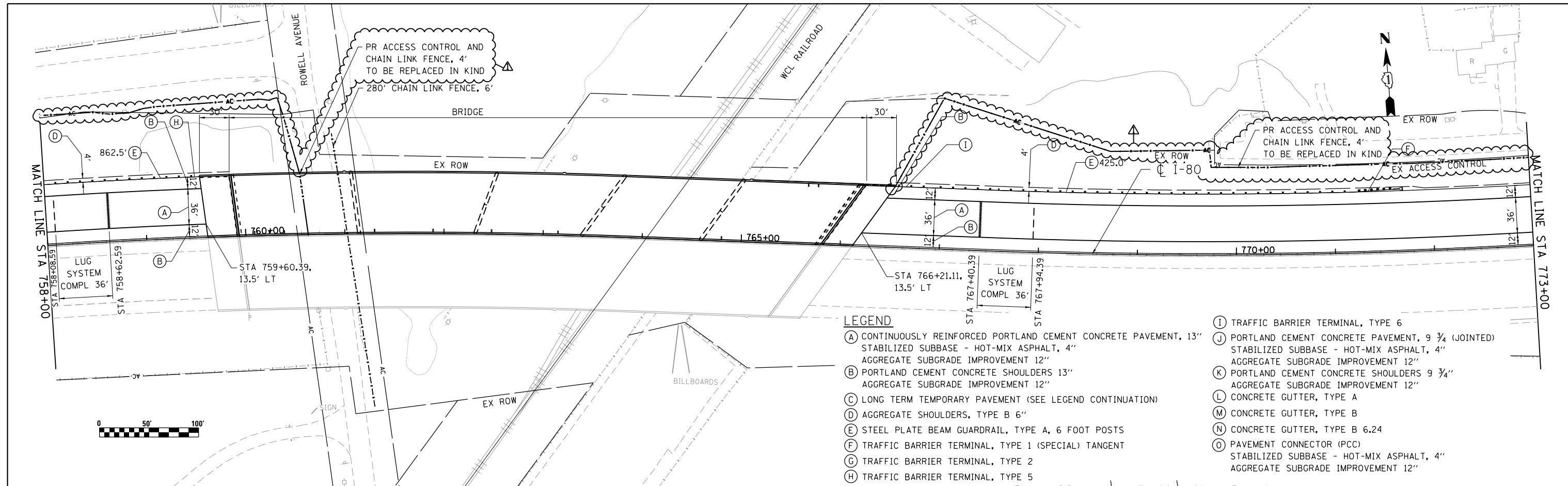
SCALE: 1" = 50'    SHEET    OF    SHEETS    STA. 743+00    TO    STA. 758+00

F.A.I. RTE. 80	SECTION 2013-009B	COUNTY WILL	TOTAL SHEETS 465	SHEET NO. 42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60W35	

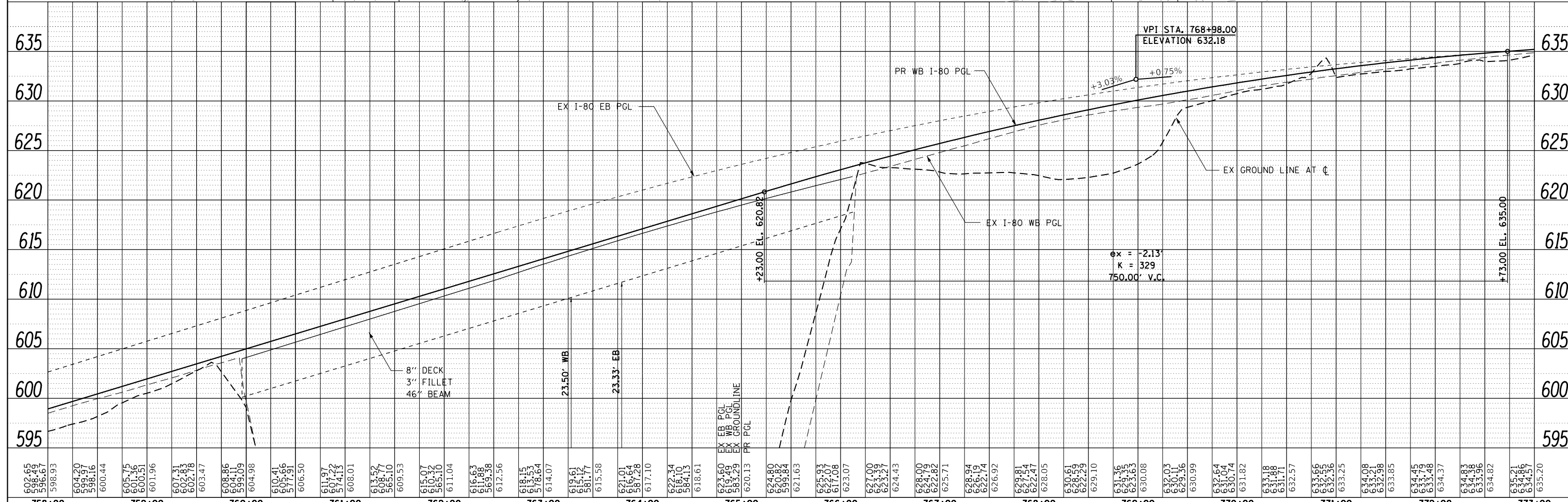
FILE NAME = p:\exp\pw\Bentley.com\exp\pw\01\Documents\Projects\CHI\0263426-A0\800 CADD Design\811 Contract 60W35.WB\811.02 Civil\Sheet\DI60W35-sht-plnprf04.dgn

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY		
	NO.		
	FILE NAME		

PROF ILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOTATNS		
	NO.		



- LEGEND**
- (A) CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 13" STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
  - (B) PORTLAND CEMENT CONCRETE SHOULDERS 13" AGGREGATE SUBGRADE IMPROVEMENT 12"
  - (C) LONG TERM TEMPORARY PAVEMENT (SEE LEGEND CONTINUATION)
  - (D) AGGREGATE SHOULDERS, TYPE B 6"
  - (E) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
  - (F) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
  - (G) TRAFFIC BARRIER TERMINAL, TYPE 2
  - (H) TRAFFIC BARRIER TERMINAL, TYPE 5
  - (I) TRAFFIC BARRIER TERMINAL, TYPE 6
  - (J) PORTLAND CEMENT CONCRETE PAVEMENT, 9 3/4" (JOINTED) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
  - (K) PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4" AGGREGATE SUBGRADE IMPROVEMENT 12"
  - (L) CONCRETE GUTTER, TYPE A
  - (M) CONCRETE GUTTER, TYPE B
  - (N) CONCRETE GUTTER, TYPE B 6.24
  - (O) PAVEMENT CONNECTOR (PCC) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"



602.65	604.20	607.15	607.31	608.86	610.41	611.97	613.52	615.07	616.53	618.15	619.61	621.01	622.34	623.60	624.80	625.93	627.00	628.00	629.81	630.61	631.36	632.03	632.54	633.04	633.48	633.85	634.45	634.93	635.21	635.70	
758+00	759+00	760+00	761+00	762+00	763+00	764+00	765+00	766+00	767+00	768+00	769+00	770+00	771+00	772+00	773+00																



USER NAME = czimmoitch	DESIGNED - HER	REVISED - 6/1/2022 CZ
PLOT SCALE = 100,000' / in.	DRAWN - HER	REVISED -
PLOT DATE = 5/31/2022	CHECKED - MAM	REVISED -
	DATE = 3/11/2022	REVISED -

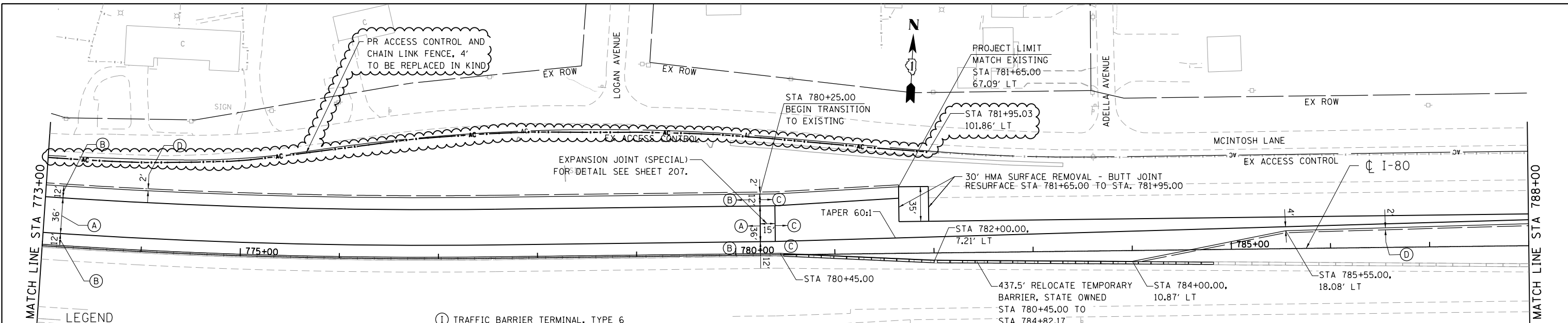
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WB I-80 FROM GARDNER STREET TO ROWELL AVENUE  
ROADWAY PLAN AND PROFILE

F.A.I. RTE. 80	SECTION 2013-009B	COUNTY WILL	TOTAL SHEETS 465	SHEET NO. 43
SCALE: 1"=50'			CONTRACT NO. 60W35	
SHEET OF SHEETS STA. 758+00 TO STA. 773+00			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	DATE
	BY	
NOTE BOOK	NO.	
	NO.	
	NO.	

PROFILE	SURVEYED	DATE
	BY	
NOTE BOOK	NO.	
	NO.	
	NO.	

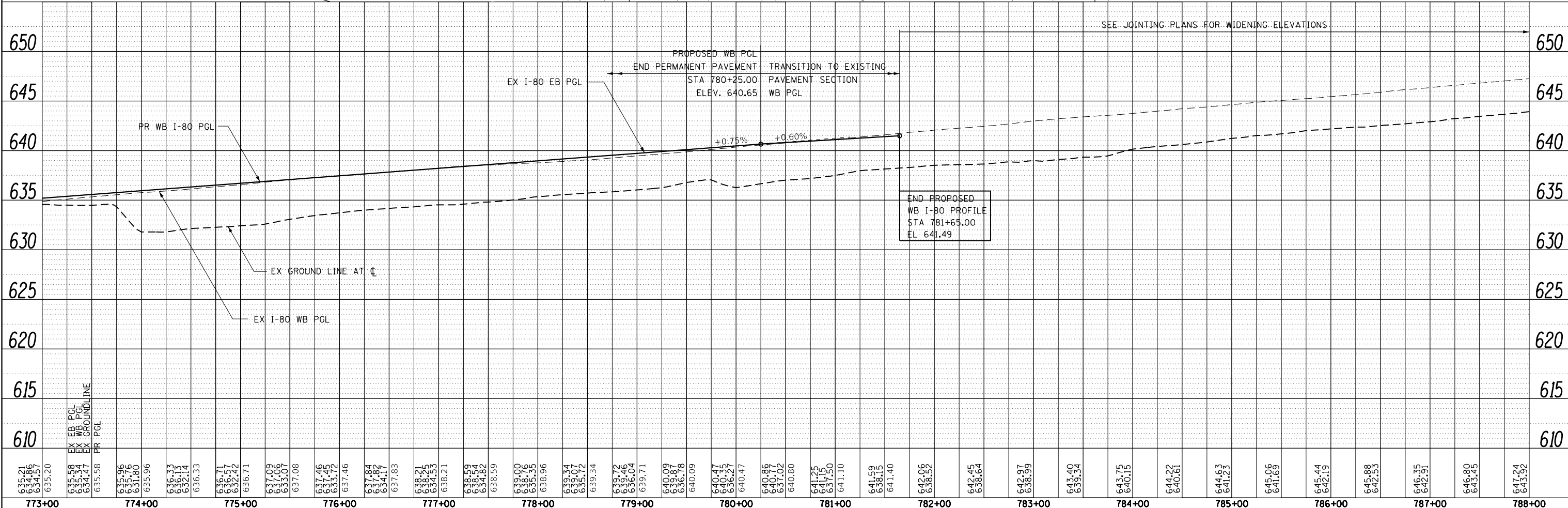
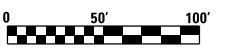


**LEGEND**

- (A) CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 13" STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (B) PORTLAND CEMENT CONCRETE SHOULDERS 13" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (C) LONG TERM TEMPORARY PAVEMENT (SEE LEGEND CONTINUATION)
- (D) AGGREGATE SHOULDERS, TYPE B 6"
- (E) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (F) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- (G) TRAFFIC BARRIER TERMINAL, TYPE 2
- (H) TRAFFIC BARRIER TERMINAL, TYPE 5
- (I) TRAFFIC BARRIER TERMINAL, TYPE 6
- (J) PORTLAND CEMENT CONCRETE PAVEMENT, 9 3/4" (JOINED) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (K) PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (L) CONCRETE GUTTER, TYPE A
- (M) CONCRETE GUTTER, TYPE B
- (N) CONCRETE GUTTER, TYPE B 6.24
- (O) PAVEMENT CONNECTOR (PCC) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"

**LEGEND CONTINUATION**

- (C) LONG TERM TEMPORARY PAVEMENT  
1.75" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE  
STONE MATRIX ASPHALT, 9.5, MIX "F", N80  
2.25" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90  
PORTLAND CEMENT CONCRETE PAVEMENT 9"  
6" SUBBASE GRANULAR MATERIAL TYPE B (CA-6)



USER NAME = czimmoitch	DESIGNED - HER	REVISED - 6/1/2022 CZ
PLOT SCALE = 100,000' / in.	DRAWN - HER	REVISED -
PLOT DATE = 5/30/2022	CHECKED - MAM	REVISED -
	DATE = 3/11/2022	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

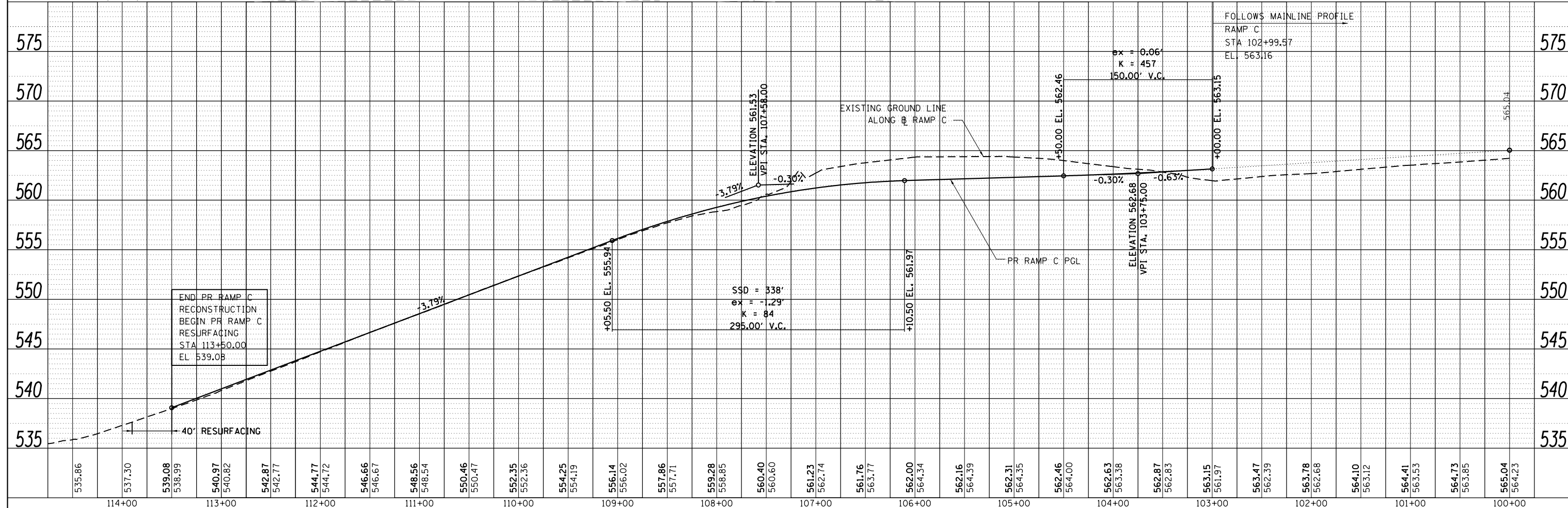
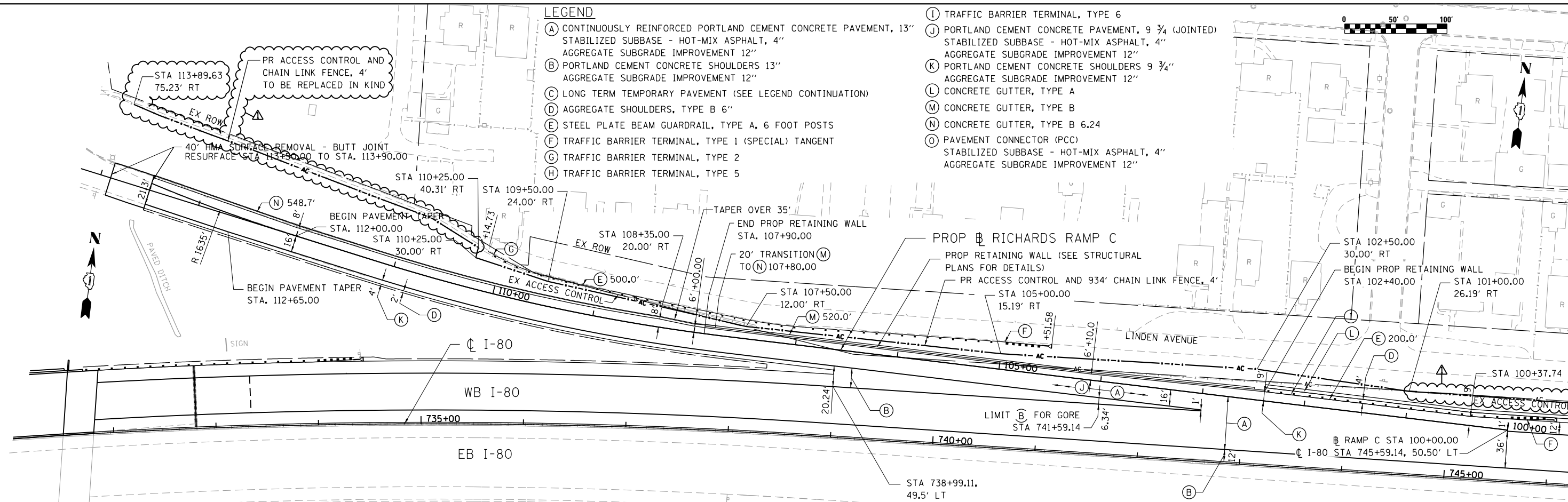
<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ROADWAY PLAN AND PROFILE			80	2013-009B	WILL	465	44
SCALE: 1" = 50'			SHEET OF SHEETS		STA. 773+00 TO STA. 788+00	CONTRACT NO. 60W35	
			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	BY		
	DATE		

PROF ILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	BY		
	DATE		

**LEGEND**

- (A) CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 13" STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (B) PORTLAND CEMENT CONCRETE SHOULDERS 13" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (C) LONG TERM TEMPORARY PAVEMENT (SEE LEGEND CONTINUATION)
- (D) AGGREGATE SHOULDERS, TYPE B 6"
- (E) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (F) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- (G) TRAFFIC BARRIER TERMINAL, TYPE 2
- (H) TRAFFIC BARRIER TERMINAL, TYPE 5
- (I) TRAFFIC BARRIER TERMINAL, TYPE 6
- (J) PORTLAND CEMENT CONCRETE PAVEMENT, 9 3/4" (JOINTED) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (K) PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (L) CONCRETE GUTTER, TYPE A
- (M) CONCRETE GUTTER, TYPE B
- (N) CONCRETE GUTTER, TYPE B 6.24
- (O) PAVEMENT CONNECTOR (PCC)
- (P) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"



<b>HNTB</b>	USER NAME = czimmo/witch	DESIGNED - HER	REVISED - 6/1/2022 CZ	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WB I-80 FROM GARDNER STREET TO ROWELL AVENUE</b> <b>ROADWAY PLAN AND PROFILE - RICHARDS RAMP C</b>	F.A.I. RTE. = 80	SECTION = 2013-009B	COUNTY = WILL	TOTAL SHEETS = 46	SHEET NO. = 46		
	PLOT SCALE = 100,000' / in.	CHECKED - MAM	REVISED -			SCALE: 1" = 50'	SHEET OF SHEETS	STA. 100+00 TO STA. 115+14	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 5/31/2022	DATE = 3/11/2022	REVISED -			CONTRACT NO. 60W35						
	REVISOR											

FILE NAME = p:\exp\pw.bentley.com\exp\pw\01\Documents\Projects\CHI\00263426-A0\800 CADD Design\811 Contract 60W35.WB\811.02 Civil\Sheet\DI60W35-shr-plnprf07.dgn

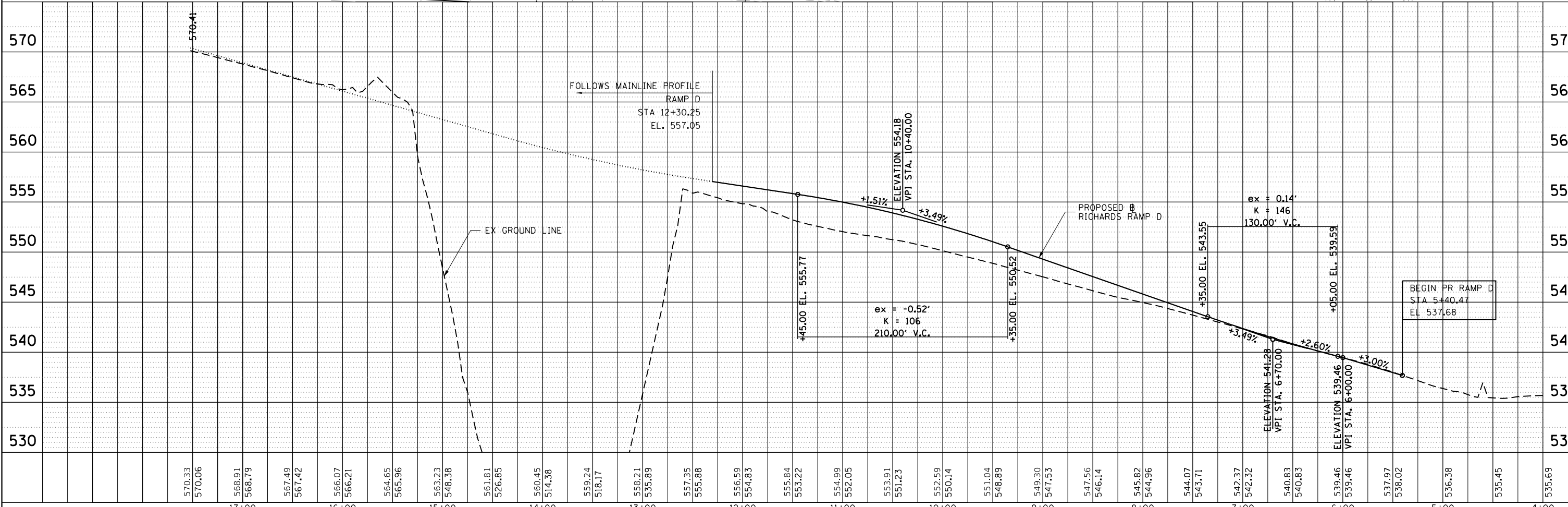
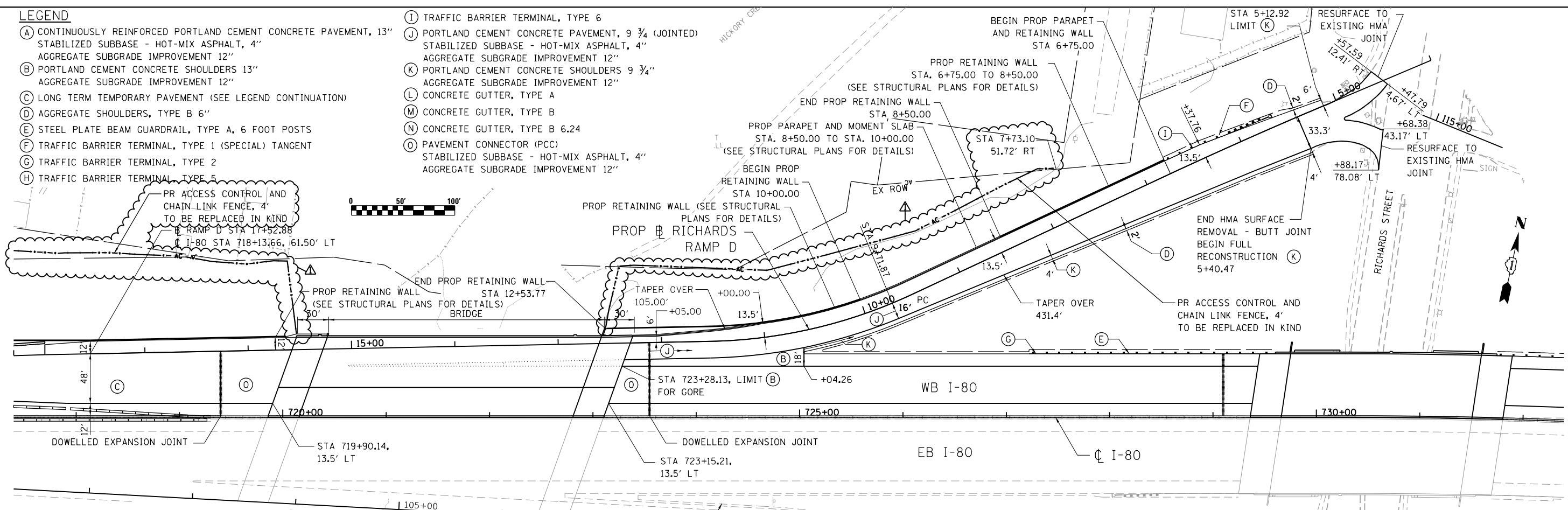
REVISED SHEET 6/2/2022

**LEGEND**

- (A) CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT, 13" STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (B) PORTLAND CEMENT CONCRETE SHOULDERS 13" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (C) LONG TERM TEMPORARY PAVEMENT (SEE LEGEND CONTINUATION)
- (D) AGGREGATE SHOULDERS, TYPE B 6"
- (E) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
- (F) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- (G) TRAFFIC BARRIER TERMINAL, TYPE 2
- (H) TRAFFIC BARRIER TERMINAL, TYPE 5
- (I) TRAFFIC BARRIER TERMINAL, TYPE 6
- (J) PORTLAND CEMENT CONCRETE PAVEMENT, 9 3/4" (JOINTED) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (K) PORTLAND CEMENT CONCRETE SHOULDERS 9 3/4" AGGREGATE SUBGRADE IMPROVEMENT 12"
- (L) CONCRETE GUTTER, TYPE A
- (M) CONCRETE GUTTER, TYPE B
- (N) CONCRETE GUTTER, TYPE B 6.24
- (O) PAVEMENT CONNECTOR (PCC) STABILIZED SUBBASE - HOT-MIX ASPHALT, 4" AGGREGATE SUBGRADE IMPROVEMENT 12"

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	CHECKED		
	BY		
	DATE		

PROF ILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTED		
	CHECKED		
	BY		
	DATE		



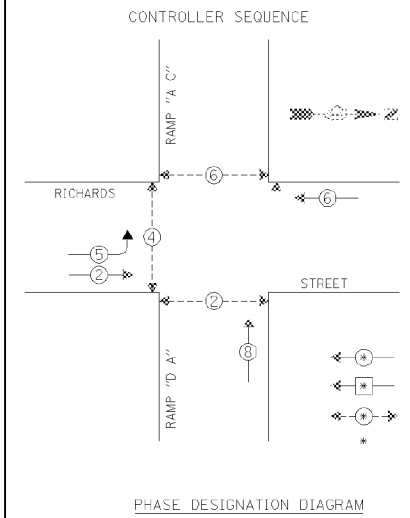
USER NAME = czimmoitch	DESIGNED - HER	REVISED - 6/1/2022 CZ
	DRAWN - HER	REVISED -
PLOT SCALE = 100,000' / in.	CHECKED - MAM	REVISED -
PLOT DATE = 5/31/2022	DATE = 3/11/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WB I-80 FROM GARDNER STREET TO ROWELL AVENUE  
ROADWAY PLAN AND PROFILE - RAMP D**

F.A.I. RTE. = 80	SECTION = 2013-009B	COUNTY = WILL	TOTAL SHEETS = 465	SHEET NO. = 47
CONTRACT NO. 60W35				
ILLINOIS FED. AID PROJECT				

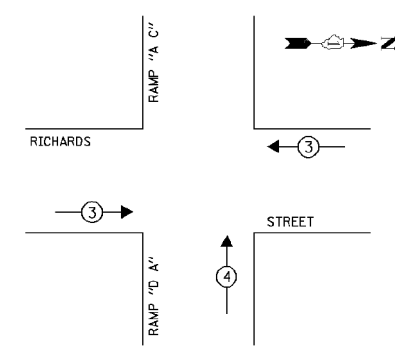
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL	43	35
STA.		TO STA.		
FED. ROAD DISTRICT	ILLINOIS	FED. AID PROJECT		



**LEGEND**

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

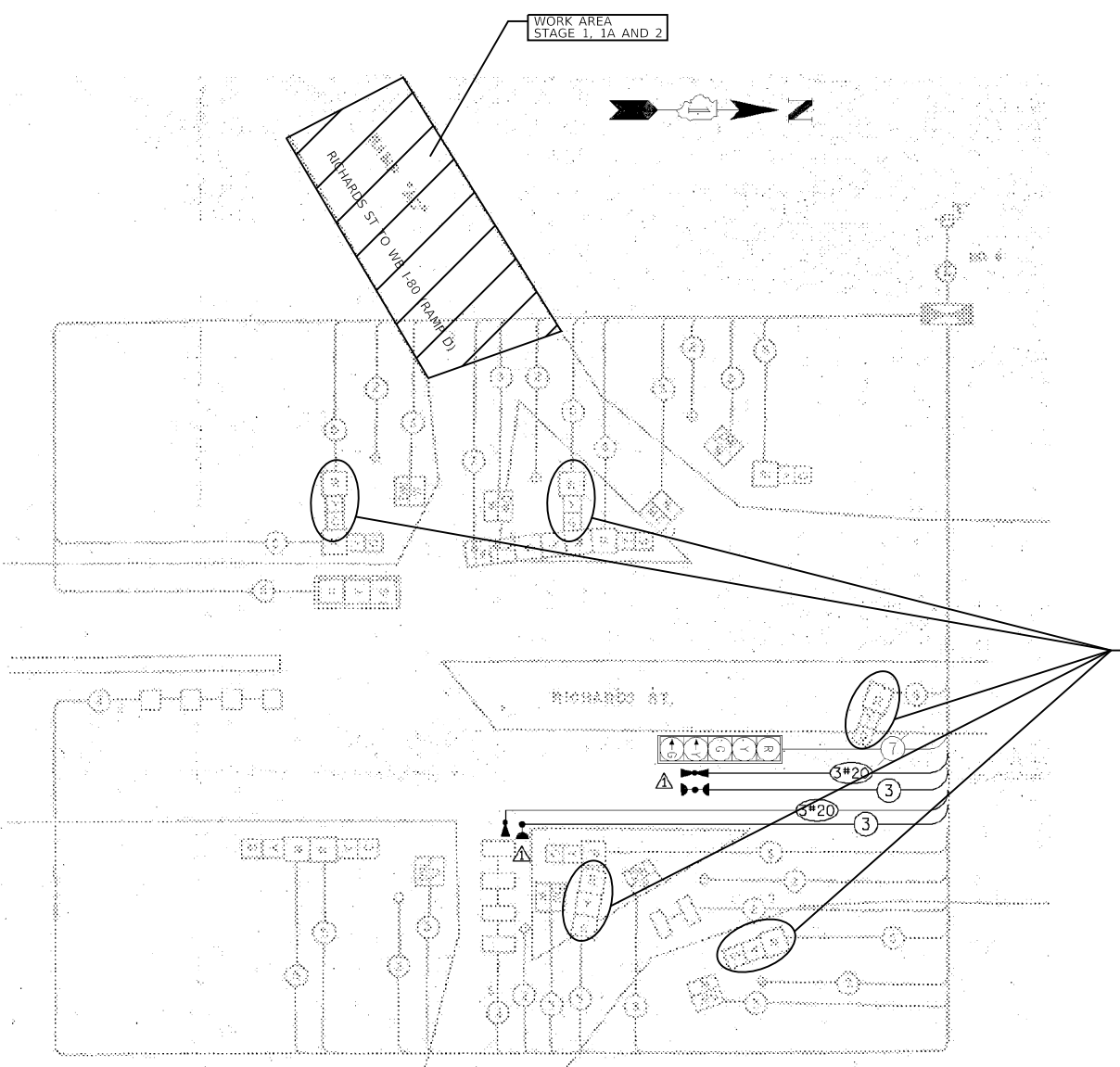


**PROPOSED EMERGENCY VEHICLE PREEMPTORS**

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↓

ITEM	UNIT	TOTAL
TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	L SUM	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

**NOTE:**  
1. THIS WORK WILL BE IN PLACE DURING STAGE 1A AND STAGE 2.



**FOR INFORMATION ONLY EXCEPT AS NOTED**

DE-ENERGIZE AND BAG SIGNAL HEADS

THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "SPITCOM" TO MATCH THE EXISTING SYSTEM AND MUNICIPAL REQUIREMENTS.

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST FOR THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**SUMMARY OF QUANTITIES**

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	438
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 20 3/C, TWISTED, SHIELDED	FOOT	438

**INSTALLATION OF EMERGENCY VEHICLE PREEMPTION**

**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
5575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(917) 823-0500

**REVISIONS**

NAME	DATE
CBDEL	2/16/2012

LOCATION NO. 16

CITY OF JOLIET

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**

RICHARDS STREET AND I-80 EAST RAMP

SCALE: 1" = 20'  
DATE: 2/16/2012

DRAWN BY: FCP  
CHECK BY: WCE

**ADDED ENTIRE SHEET 6/2/2022**



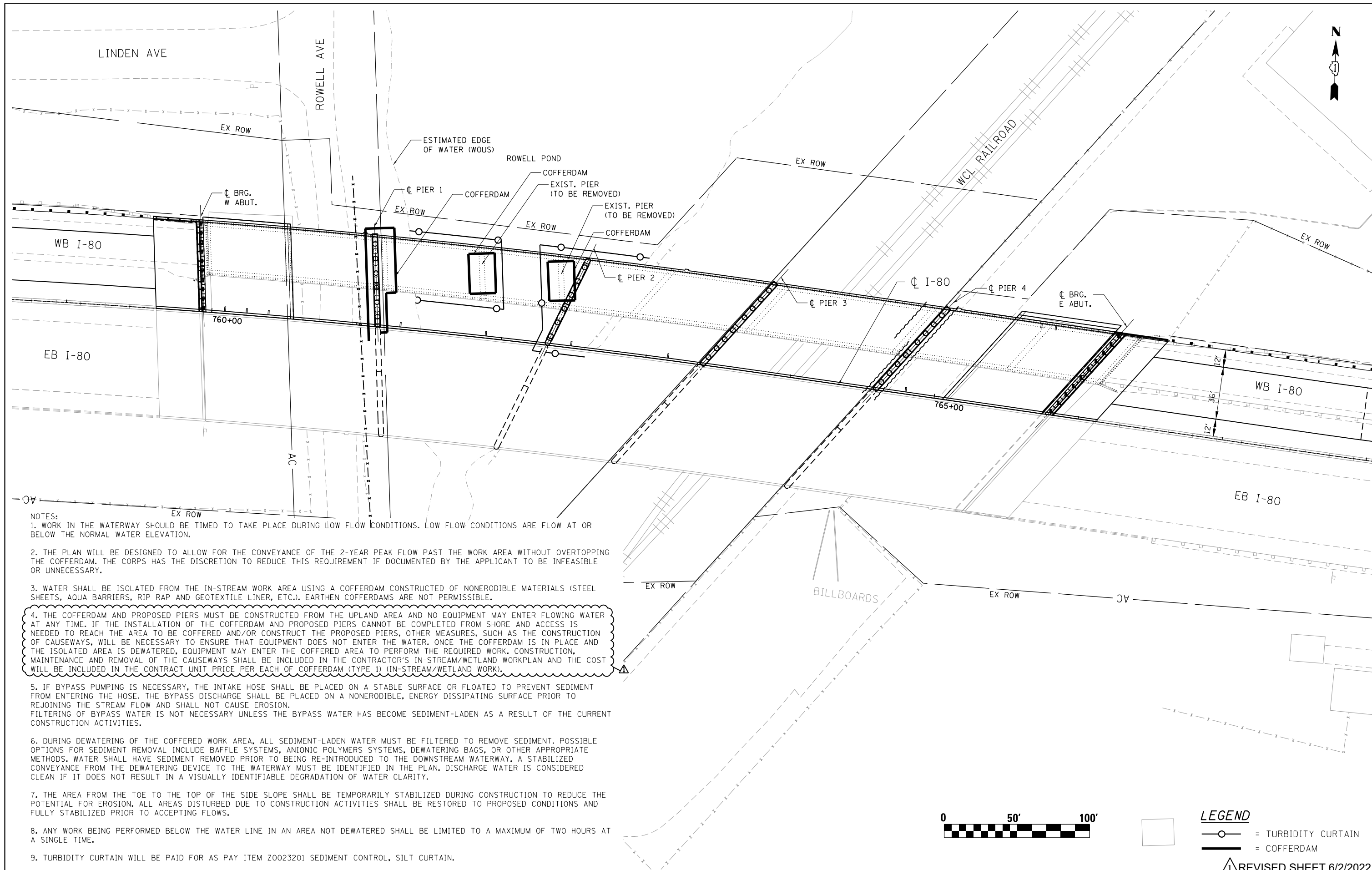
USER NAME = HECHTBR	DESIGNED - BRH	REVISED - 6/1/2022 BRH
	DRAWN - BRH	REVISED -
PLOT SCALE = 168.000' / ft.	CHECKED - TMH	REVISED -
PLOT DATE = 5/31/2022	DATE - 6/1/2022	REVISED -

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

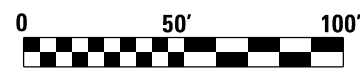
**WB I-80 FROM GARDNER STREET TO ROWELL AVENUE RICHARDS STREET TEMPORARY SIGNAL DETAILS**

SCALE: N.T.S.	SHEET 5CV0720F	SHEETS	STA.	TO STA.
---------------	----------------	--------	------	---------

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-009B	WILL	465	160A
CONTRACT NO. 60W35				
ILLINOIS FED. AID PROJECT				



- NOTES:**
1. WORK IN THE WATERWAY SHOULD BE TIMED TO TAKE PLACE DURING LOW FLOW CONDITIONS. LOW FLOW CONDITIONS ARE FLOW AT OR BELOW THE NORMAL WATER ELEVATION.
  2. THE PLAN WILL BE DESIGNED TO ALLOW FOR THE CONVEYANCE OF THE 2-YEAR PEAK FLOW PAST THE WORK AREA WITHOUT OVERTOPPING THE COFFERDAM. THE CORPS HAS THE DISCRETION TO REDUCE THIS REQUIREMENT IF DOCUMENTED BY THE APPLICANT TO BE INFEASIBLE OR UNNECESSARY.
  3. WATER SHALL BE ISOLATED FROM THE IN-STREAM WORK AREA USING A COFFERDAM CONSTRUCTED OF NONERODIBLE MATERIALS (STEEL SHEETS, AQUA BARRIERS, RIP RAP AND GEOTEXTILE LINER, ETC.). EARTHEN COFFERDAMS ARE NOT PERMISSIBLE.
  4. THE COFFERDAM AND PROPOSED PIERS MUST BE CONSTRUCTED FROM THE UPLAND AREA AND NO EQUIPMENT MAY ENTER FLOWING WATER AT ANY TIME. IF THE INSTALLATION OF THE COFFERDAM AND PROPOSED PIERS CANNOT BE COMPLETED FROM SHORE AND ACCESS IS NEEDED TO REACH THE AREA TO BE COFFERED AND/OR CONSTRUCTED THE PROPOSED PIERS, OTHER MEASURES, SUCH AS THE CONSTRUCTION OF CAUSEWAYS, WILL BE NECESSARY TO ENSURE THAT EQUIPMENT DOES NOT ENTER THE WATER. ONCE THE COFFERDAM IS IN PLACE AND THE ISOLATED AREA IS DEWATERED, EQUIPMENT MAY ENTER THE COFFERED AREA TO PERFORM THE REQUIRED WORK. CONSTRUCTION, MAINTENANCE AND REMOVAL OF THE CAUSEWAYS SHALL BE INCLUDED IN THE CONTRACTOR'S IN-STREAM/WETLAND WORKPLAN AND THE COST WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH OF COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK).
  5. IF BYPASS PUMPING IS NECESSARY, THE INTAKE HOSE SHALL BE PLACED ON A STABLE SURFACE OR FLOATED TO PREVENT SEDIMENT FROM ENTERING THE HOSE. THE BYPASS DISCHARGE SHALL BE PLACED ON A NONERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW AND SHALL NOT CAUSE EROSION. FILTERING OF BYPASS WATER IS NOT NECESSARY UNLESS THE BYPASS WATER HAS BECOME SEDIMENT-LADEN AS A RESULT OF THE CURRENT CONSTRUCTION ACTIVITIES.
  6. DURING DEWATERING OF THE COFFERED WORK AREA, ALL SEDIMENT-LADEN WATER MUST BE FILTERED TO REMOVE SEDIMENT. POSSIBLE OPTIONS FOR SEDIMENT REMOVAL INCLUDE BAFFLE SYSTEMS, ANIONIC POLYMERS SYSTEMS, DEWATERING BAGS, OR OTHER APPROPRIATE METHODS. WATER SHALL HAVE SEDIMENT REMOVED PRIOR TO BEING RE-INTRODUCED TO THE DOWNSTREAM WATERWAY. A STABILIZED CONVEYANCE FROM THE DEWATERING DEVICE TO THE WATERWAY MUST BE IDENTIFIED IN THE PLAN. DISCHARGE WATER IS CONSIDERED CLEAN IF IT DOES NOT RESULT IN A VISUALLY IDENTIFIABLE DEGRADATION OF WATER CLARITY.
  7. THE AREA FROM THE TOE TO THE TOP OF THE SIDE SLOPE SHALL BE TEMPORARILY STABILIZED DURING CONSTRUCTION TO REDUCE THE POTENTIAL FOR EROSION. ALL AREAS DISTURBED DUE TO CONSTRUCTION ACTIVITIES SHALL BE RESTORED TO PROPOSED CONDITIONS AND FULLY STABILIZED PRIOR TO ACCEPTING FLOWS.
  8. ANY WORK BEING PERFORMED BELOW THE WATER LINE IN AN AREA NOT DEWATERED SHALL BE LIMITED TO A MAXIMUM OF TWO HOURS AT A SINGLE TIME.
  9. TURBIDITY CURTAIN WILL BE PAID FOR AS PAY ITEM Z0023201 SEDIMENT CONTROL, SILT CURTAIN.



**LEGEND**

	= TURBIDITY CURTAIN
	= COFFERDAM

REVISD SHEET 6/2/2022



USER NAME = hregan	DESIGNED - HER	REVISED - 6/1/2022 HER
	DRAWN - HER	REVISED -
PLOT SCALE = 60.000000' / 1" =	CHECKED - MAM	REVISED -
PLOT DATE = 5/31/2022	DATE - 3/11/2022	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**WB I-80 FROM GARDNER STREET TO ROWELL AVENUE  
IN STREAM WORK PLAN - ROWELL AVENUE**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-009B	WILL	465	169
CONTRACT NO. 60W35				

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT

**GENERAL NOTES**

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:  
Field Units  
f'c = 3,500 p.s.i.  
fy = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W\*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

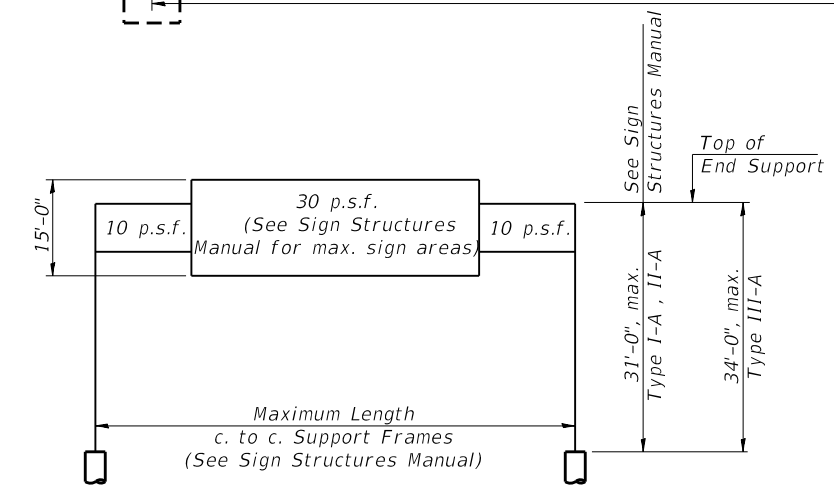
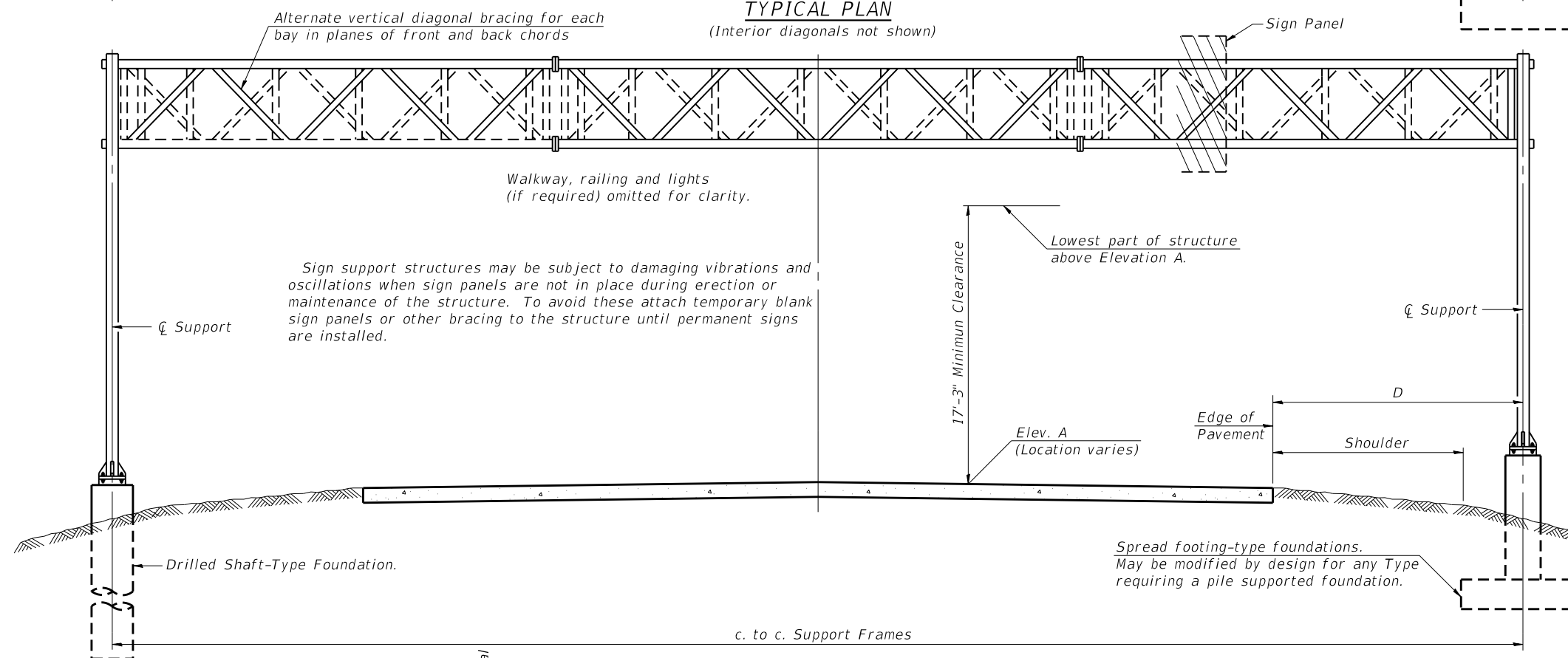
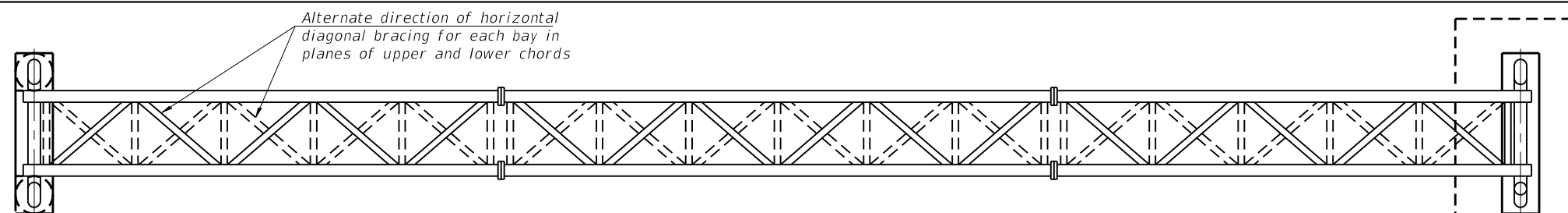
ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

ROCK EXCAVATION: In accordance with Art. 734.05, excavation in rock required to install the sign structure foundations will be paid for as "ROCK EXCAVATION FOR STRUCTURES".



**TYPICAL ELEVATION**  
(Looking at Face of Signs\*\*)

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
1S0991080L133.5	742+60	I-A	85'-0"	563.70	18'-6"	12'-0"	301.5 SF
1S0991080L133.7	754+00	I-A	70'-0"	587.82	20'-6"	12'-0"	309 SF

\*\*Looking upstation for structures with signs both sides.

\* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	155
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	-
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	-
CONCRETE FOUNDATIONS	Cu. Yds.	19.6
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	10.1
ROCK EXCAVATION FOR STRUCTURES	Cu. Yds.	20.6

05-A-1 2-17-2017



USER NAME = czimowitch	DESIGNED - HER	REVISED - 6/1/2022 CZ
PLOT SCALE = 8.333' / 1"	CHECKED - MAM	REVISED -
PLOT DATE = 5/30/2022	DATE - 3/11/2022	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES - GENERAL PLAN & ELEVATION - ALUMINUM TRUSS & STEEL SUPPORTS  
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-009B	WILL	465	214
CONTRACT NO. 60W35				
ILLINOIS FED. AID PROJECT				



**BAR LIST - EACH FOUNDATION**

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				

**NOTES:**

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

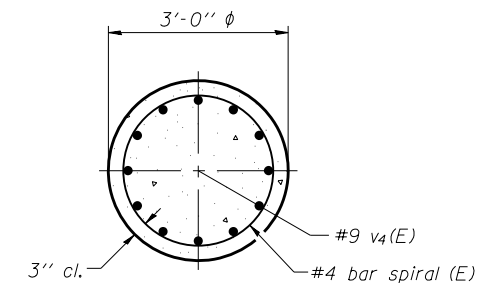
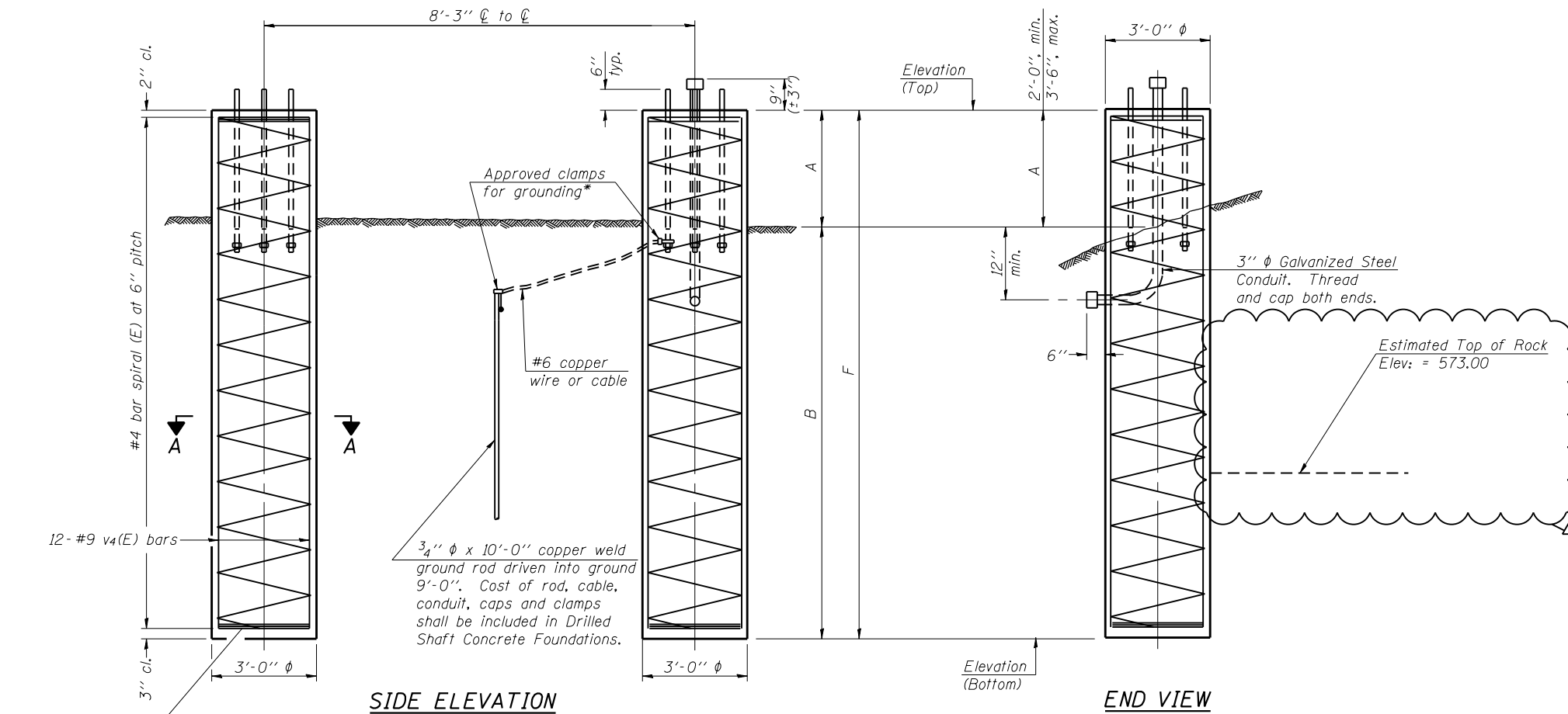
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

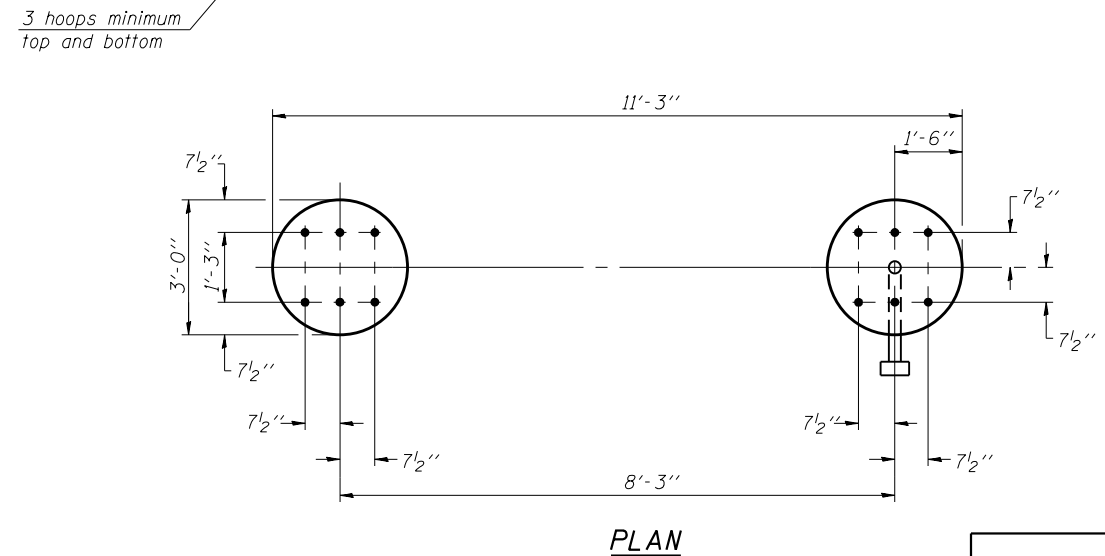
Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



**SECTION A-A**



**PLAN**

For anchor rod size and placement, see Support Frame Detail Sheet.

\* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

**DETAILS FOR 10" Ø SUPPORT FRAME TYPE I-A or II-A TRUSS**

Structure Number	Station	Left Foundation			Right Foundation			Class DS Concrete (Cu. Yds.)				
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top		Elevation Bottom	A	B	F
IS099I080L133.7	754+00						588.58	569.33*	2'-9"	16'-6"	19'-3"	10.1

\* Left Foundation was previously constructed in Contract 60W34. In case of rock encountered, socket into rock at the specified elevation.

OS4-F3

8-21-13

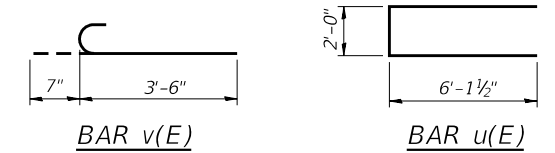
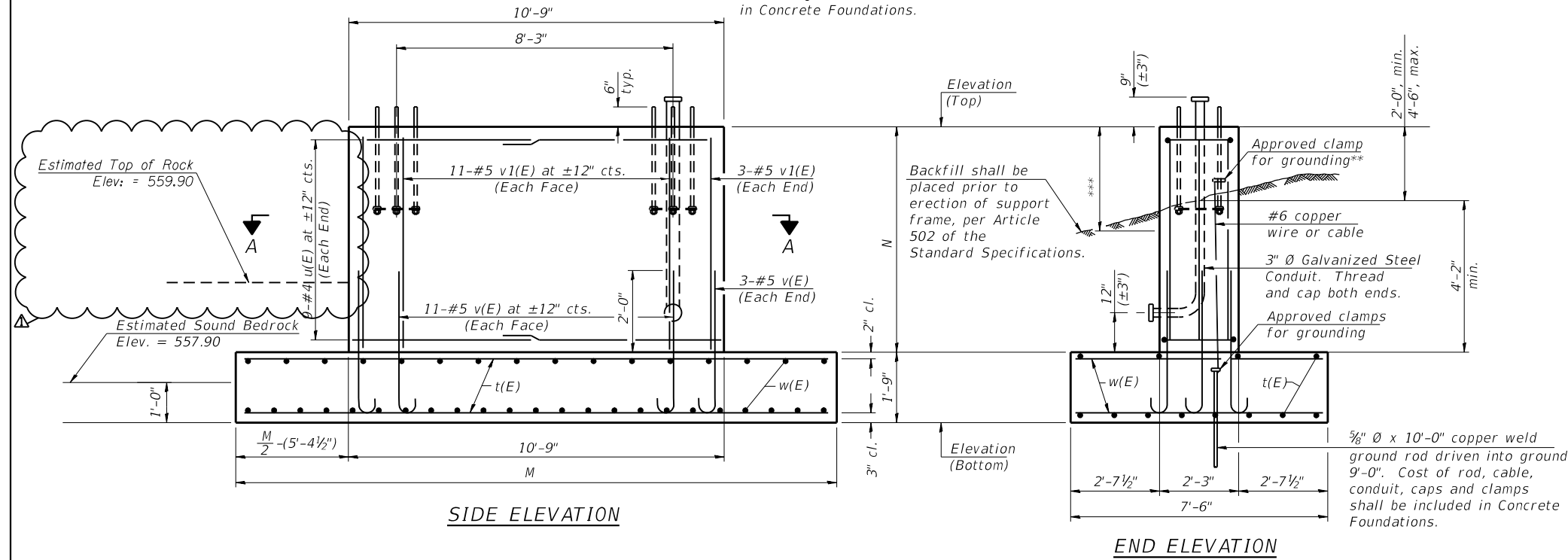
REVISED SHEET 6/2/2022

	USER NAME = czimmowitch	DESIGNED - HER	REVISION - 6/1/2022 CZ	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>OVERHEAD SIGN STRUCTURES</b> <b>DRILLED SHAFT DETAILS</b>	F.A.I. RTÉ. = 80	SECTION = 2013-009B	COUNTY = WILL	TOTAL SHEETS = 465	SHEET NO. = 222
	PLOT SCALE = 8.333' / 1"	CHECKED - MAM	REVISION -			SCALE: N.T.S.	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 60W35	
	PLOT DATE = 5/30/2022	DATE = 3/11/2022	REVISION -			ILLINOIS FED. AID PROJECT				

For anchor rod size and placement, see Support Frame Detail Sheet.

\*\* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

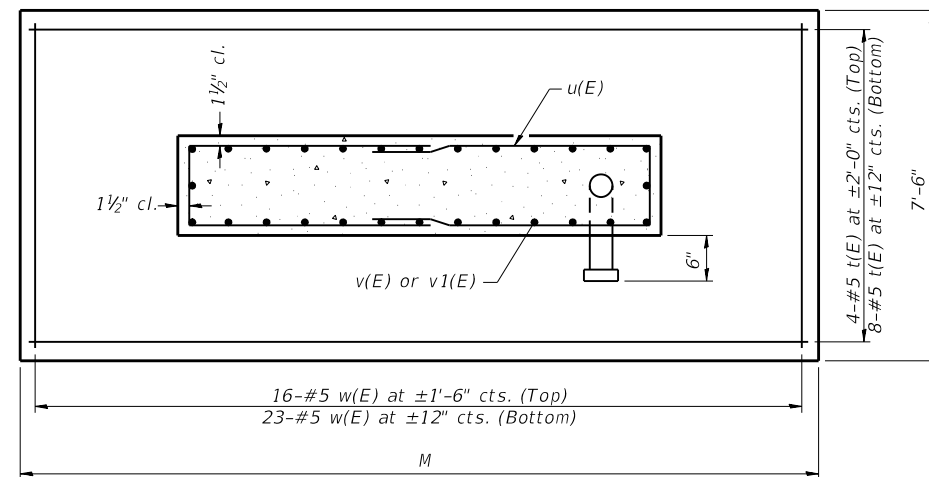
\*\*\* A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Concrete Foundations.



BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
t(E)	12	#5	*	—
u(E)	18	#4	14'-3"	⊓
v(E)	28	#5	4'-1"	C
v1(E)	28	#5	*	—
w(E)	39	#5	7'-3"	—

\*Length of t(E) bar = (Dim. M) - 6"  
v1(E) bar = (Dim. N) - 3"



SECTION A-A

Structure Number	Station	Left Foundation				Right Foundation				Class S1 Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	N	M	Elevation Top	Elevation Bottom	N	M	
1S099I080L133.5	742+60					568.79	556.90*	10.14'	21'-6"	19.6

Left Foundation was previously constructed in Contract 60W34  
\* In case of rock encountered, socket into rock at the specified elevation.

Note:  
The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.0 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.  
During construction, if footing length or width or wall height change by more than 12", or if reinforcement is changed, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

DETAILS FOR 10" Ø SUPPORT FRAME

05-F3

2-17-2017



USER NAME = czimowitch	DESIGNED - HER	REVISED - 6/1/2022 CZ
PLOT SCALE = 8.792' / 1"	CHECKED - MAM	REVISED -
PLOT DATE = 5/30/2022	DATE - 3/11/2022	REVISED -







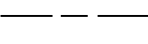
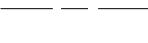



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES  
MEDIAN SUPPORT FOUNDATION DETAILS

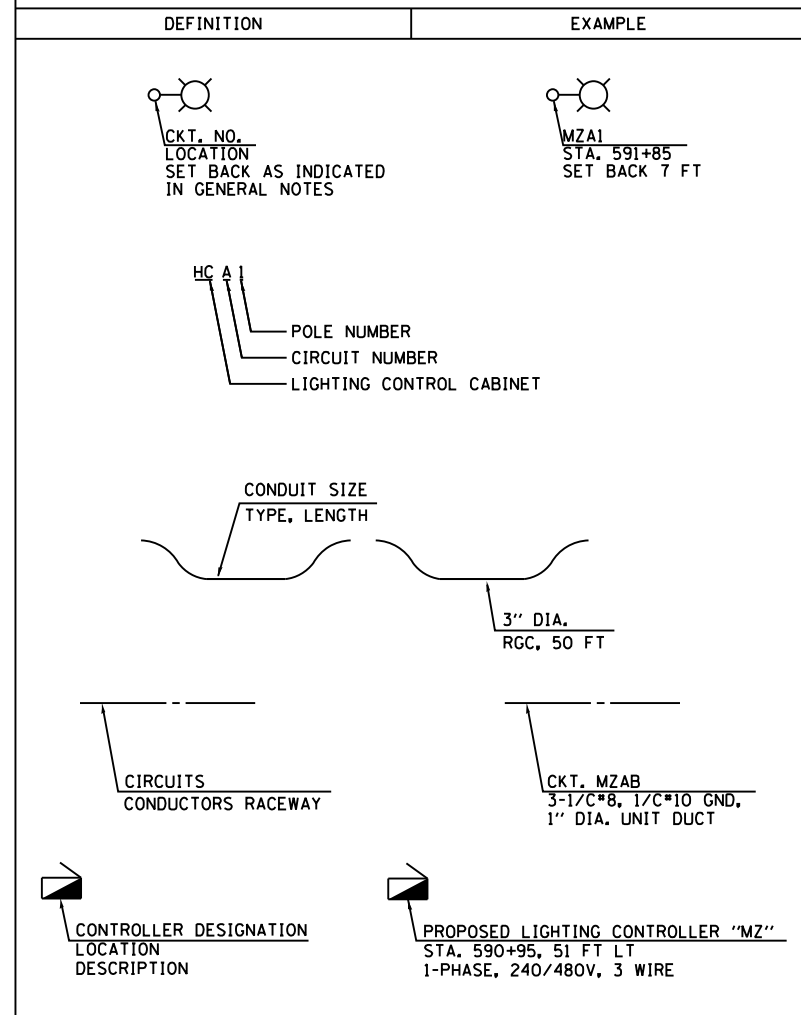
SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	80	2013-009B	WILL	465 223
CONTRACT NO. 60W35				
ILLINOIS FED. AID PROJECT				

**IDOT LIGHTING LEGEND**

-  PROPOSED SINGLE ARM LIGHTING UNIT 47.5' M.H., 15' M.A., WITH LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H, TYPE M-C-III WITH TRANSFORMER BASE BREAKAWAY DEVICE, 240V UNLESS NOTED OTHERWISE.
-  PROPOSED SINGLE ARM LIGHTING UNIT (PARAPET MOUNT) 47.5' M.H., 6' M.A., WITH LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H, TYPE M-C-III, 240V
-  TEMPORARY LIGHTING UNIT, 80' WOOD POLE, 70' M.H., 15' M.A., WITH LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I, TYPE M-C-II (UNLESS NOTED OTHERWISE), WIRED FOR 240V OR 480V PER PLANS
-  RETROFIT EXISTING SINGLE ARM LIGHTING UNIT TO REMAIN IN PLACE WITH LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H, TYPE M-C-III, 240V
-  EXISTING TEMPORARY LIGHTING UNIT TO BE REMOVED
-  EXISTING SINGLE ARM LIGHTING UNIT TO BE REMOVED AND SALVAGED
-  EXISTING SINGLE ARM LIGHTING UNIT TO REMAIN IN PLACE
-  EXISTING UNDERPASS LUMINAIRE TO REMAIN IN PLACE
-  PROPOSED JUNCTION BOX SIZE AND TYPE PER PLANS
-  EXISTING JUNCTION BOX TO REMAIN
-  UNDERGROUND RIGID GALVANIZED STEEL CONDUIT (RGC) SIZE AS INDICATED
-  UNIT DUCT, AS SPECIFIED IN PLANS
-  EXISTING CABLE AND CONDUIT TO REMAIN IN PLACE
-  AERIAL CABLE, AS SPECIFIED IN PLANS
-  EXISTING AERIAL CABLE
-  TEMPORARY LIGHTING CONTROLLER
-  EXISTING LIGHTING CONTROLLER
-  TEMPORARY ELECTRIC SERVICE LOCATION
-  EXISTING ELECTRIC SERVICE LOCATION
-  GROUND ROD, 5/8" X 10 FT
-  WOOD POLE, 80 FT, CLASS 3 (UNLESS NOTED OTHERWISE)
-  PROPOSED HANDHOLE
-  EXISTING HANDHOLE

**CALL-OUT SAMPLES**



**GENERAL NOTES:**

1. LIGHT POLE SET BACKS ARE MEASURED FROM EDGE OF TRAVELED PAVEMENT TO CENTER OF POLE.
2. OFFSETS FOR TEMPORARY LIGHT POLES ARE MEASURED FROM ROADWAY CENTERLINE TO CENTER OF POLE.
3. NO LIGHT POLE SHALL BE ERECTED UNTIL THE FOUNDATION HAS CURED PER ARTICLE 1020.13 OF THE STANDARD SPECIFICATIONS.
4. WHEREVER TEMPORARY AERIAL CABLE IS REQUIRED TO CROSS AN EXISTING OR PROPOSED ROADWAY, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 20 FEET OF VERTICAL CLEARANCE OVER THE ROADWAY AT ALL TIMES.
5. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT DISTRICT 1 SPECIAL PROVISIONS, THE ELECTRICAL DETAILS, AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
6. THE ASSOCIATED POLES, ARMS, LUMINAIRES, AND BREAKAWAY DEVICES FROM EXISTING LIGHTING UNITS TO BE REMOVED SHALL BE SALVAGED TO IDOT. THIS WORK WILL BE PAID FOR AS "REMOVAL OF LIGHTING UNIT, SALVAGE".
7. ALL NEW UNIT DUCTS, CONDUITS, JUNCTION BOXES, AND APPURTENANCES ARE ILLUSTRATED DIAGRAMMATICALLY ON THE PLANS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH THE APPROVAL OF THE ENGINEER.
8. UNIT DUCT CASINGS UNDER PAVEMENT SHALL EXTEND 2 FT BEYOND THE EDGE OF SHOULDER OR BACK OF CURB, AS APPLICABLE.
9. REMOVAL OF EXISTING CONDUIT/CABLE ATTACHED TO STRUCTURES TO BE REMOVED IS INCLUDED IN THE PRICE OF STRUCTURE REMOVAL.

**IDOT LIGHTING SCHEDULE OF QUANTITIES**

ITEM	UNIT	TOTAL
ROCK EXCAVATION FOR STRUCTURES	CU YD	34
ELECTRIC SERVICE INSTALLATION	EACH	1
ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	420
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1746
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	5
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	8340
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	2005
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	6015
AERIAL CABLE, 2-1/C NO. 2 WITH MESSENGER WIRE	FOOT	2560
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	33
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 6 FT. MAST ARM	EACH	5
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 15 FT. MAST ARM	EACH	28
LIGHT POLE, WOOD, 80 FOOT, CLASS 3, WITH 15FT MAST ARM	EACH	11
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	238
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	25
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	17
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	9
REMOVAL OF POLE FOUNDATION	EACH	9
TEMPORARY LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION I	EACH	10
TEMPORARY LIGHTING CONTROLLER, 240 VOLT, POLE MOUNTED	EACH	1
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	33
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	24

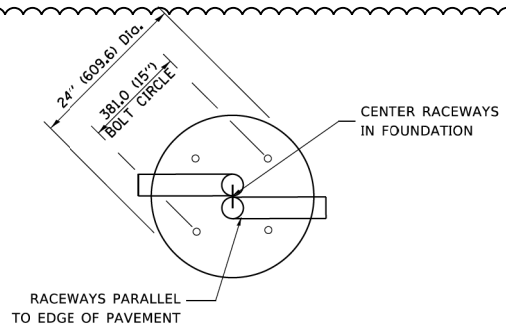
**ABBREVIATIONS**

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
AMP	AMPERE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CNC	COILABLE NONMETALLIC CONDUIT
CP	CONTROL PANEL
DIA.	DIAMETER
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HMLT	HIGH MAST LIGHT TOWER
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M.A.	MAST ARM
M.H.	MOUNTING HEIGHT
NO.	NUMBER
P	POLE
RGC	RIGID GALVANIZED CONDUIT
RGS	RIGID GALVANIZED STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TB	TRANSFORMER BASE
TMP	TEMPORARY
UD	UNIT DUCT
V	VOLT
W	WATT
WP	WOOD POLE
XFMR	TRANSFORMER

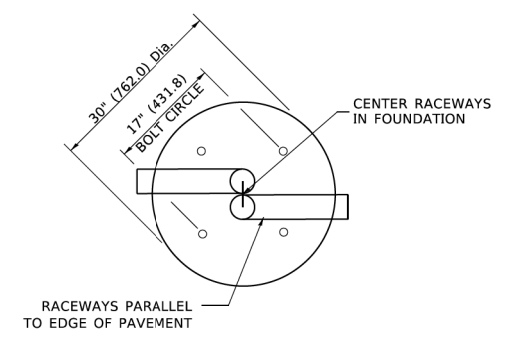
REVISED SHEET 6/2/2022

**LIGHT POLE FOUNDATION DEPTH TABLE**  
40 FT. (12.192 m) TO 47.5 FT. (14.478 m) MOUNTING HEIGHT

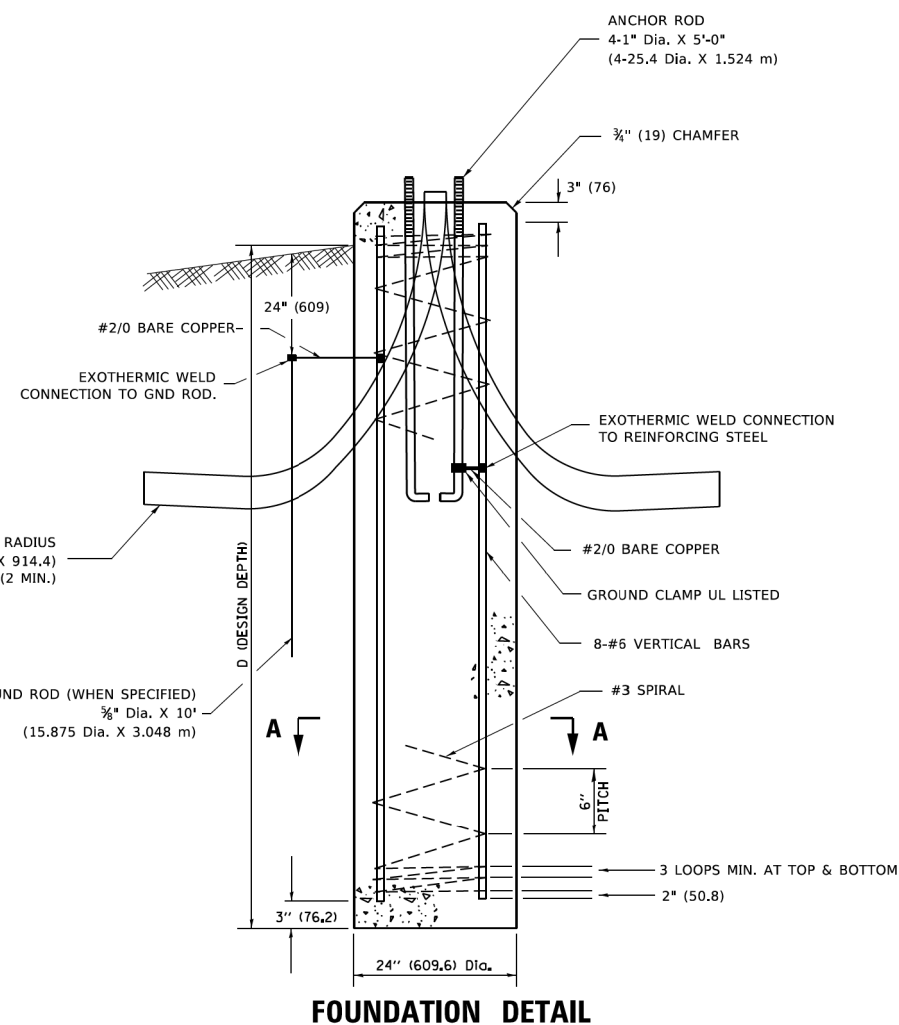
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.99 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74 m)	10'-0" (3.05 m)
MEDIUM SAND φ = 37.5°	8'-3" (2.52 m)	9'-0" (2.74 m)
DENSE SAND φ = 40°	7'-9" (2.36 m)	9'-0" (2.74 m)



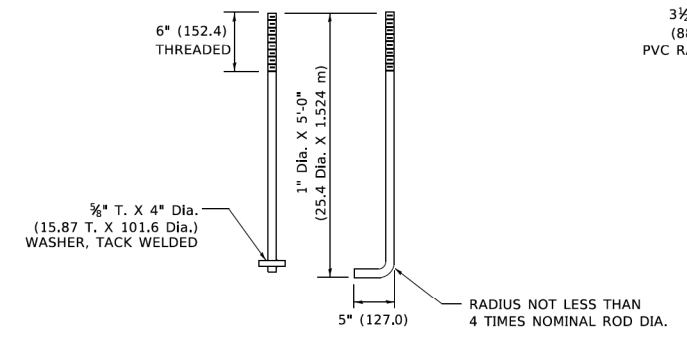
**TOP VIEW**



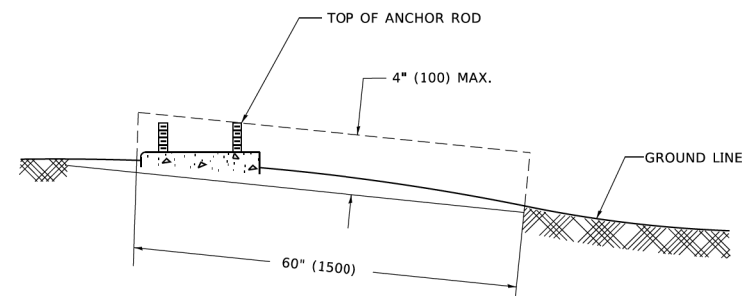
**TOP VIEW**



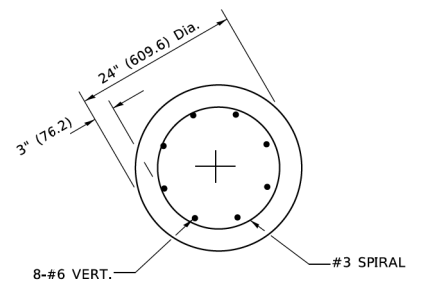
**FOUNDATION DETAIL**



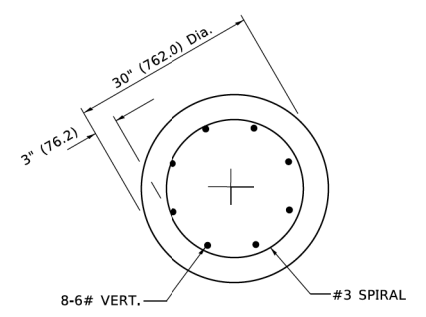
**ANCHOR ROD DETAIL**



**FOUNDATION EXTENSION DETAIL**



**SECTION A-A**



**SECTION A-A**

**NOTES**

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES, IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3#4-IN. (20 mm).
- THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1139.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 23#4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.

REVISION 1 REVISED ENTIRE SHEET 6/2/2022

USER NAME = footemj	DESIGNED -	REVISED - 6/1/2022 MEK
PLOT SCALE = 50,0000 ' / ft.	DRAWN -	REVISED -
PLOT DATE = 4/19/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**LIGHT POLE FOUNDATION**  
**40' (12.192 m) TO 47 1/2' (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE**  
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BE-301		465	246
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60W35	

MODEL: Default FILE: \\millec-proj\share\com\edc\illinois.gov\p\DOT\Documents\DOT\_Offices\District\_1\Projects\DLH\5272\21\CADD\ba\CADsheets\ba301.dgn

**GENERAL NOTES**

Fasteners shall be ASTM F 3125 Grade A325 Type 1, mechanically galvanized bolts. Bolts 7/8 in. φ, holes 15/16 in. φ, unless otherwise noted.

Calculated weight of Structural Steel = 832,740 pounds (AASHTO M270 Grade 50)  
41,040 pounds (AASHTO M270 Grade 36)

All structural steel shall be AASHTO M270 Grade 50, unless noted otherwise.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception of the exterior surface and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

Slipforming of the parapets is not allowed.

If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

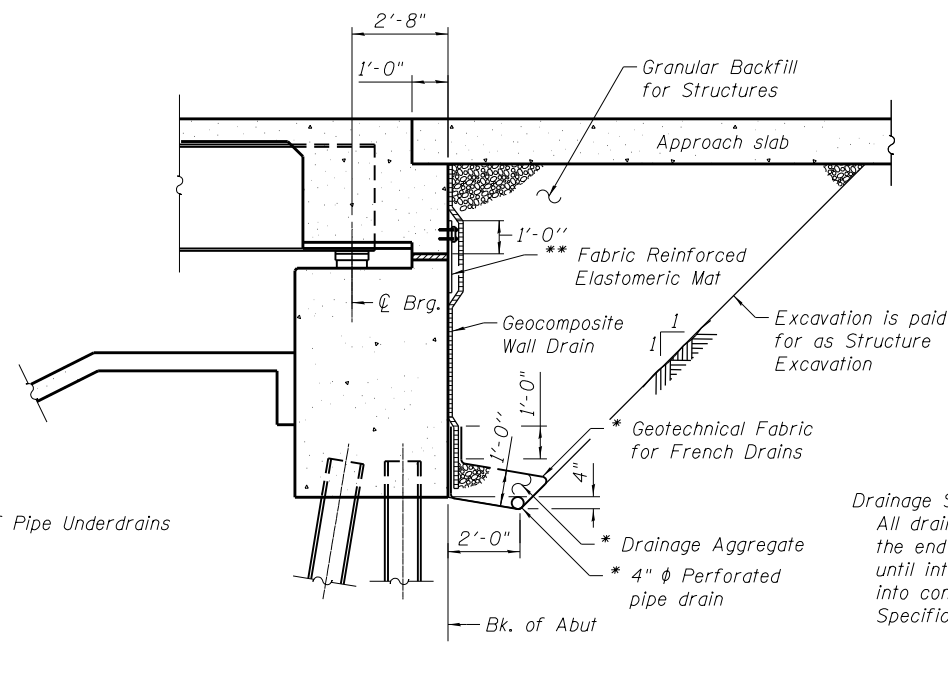
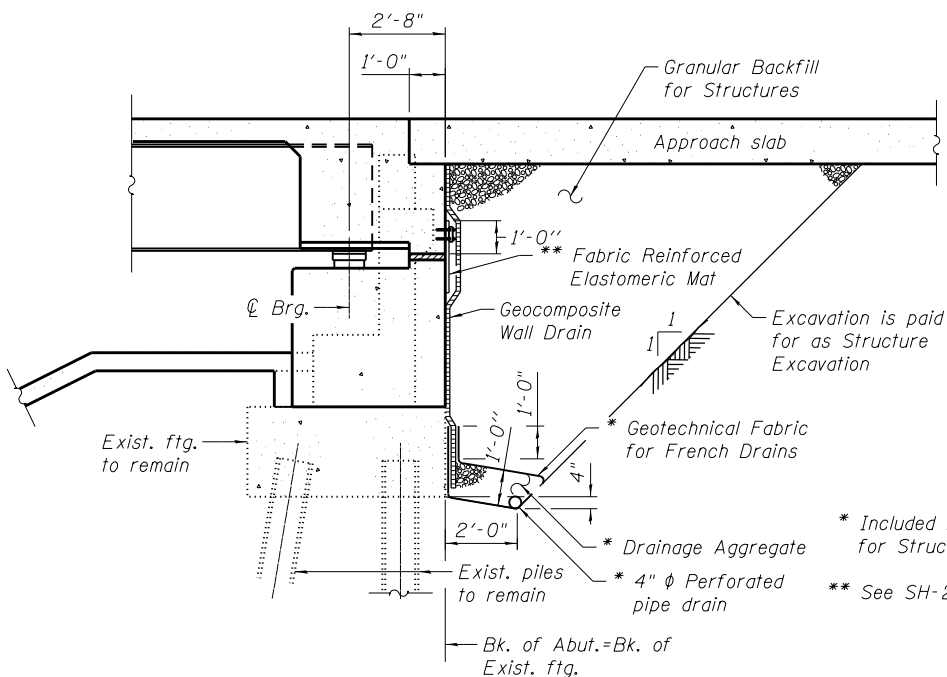
This Project requires a US Army Corps of Engineers (USACE) 404 permit. See General Note 22 on roadway plan sheet 3. Instream work plan will be required depicting any work within the Waters of the US (WOUS) noted on the plans. The Contractor shall develop and submit work plan as described in General Note 4 on sheet no. 4. Instream work plan may be required for the construction of proposed Pier 1 and Pier 2.

**INDEX OF SHEETS**

- SH-1 General Plan & Elevation
- SH-2 General Data
- SH-3 Slope Wall Details
- SH-4 Substructure Layout & Sheet Piling Details
- SH-5 Construction Staging
- SH-6 Temporary Concrete Barrier For Stage Construction
- SH-7 Top of Slab Elevations Layout
- SH-8 Top of Slab Elevations - 1
- SH-9 Top of Slab Elevations - 2
- SH-10 Top of Slab Elevations - 3
- SH-11 Top of Slab Elevations - 4
- SH-12 Top of Slab Elevations - 5
- SH-13 Top of West Approach Slab Elevations
- SH-14 Top of East Approach Slab Elevations
- SH-15 Deck Plan
- SH-16 Deck Sections
- SH-17 Parapet Elevations
- SH-18 Superstructure Details - 1
- SH-19 Superstructure Details - 2
- SH-20 Abutment Diaphragm Details - 1
- SH-21 Abutment Diaphragm Details - 2
- SH-22 Bridge Approach Slab Details - 1
- SH-23 Bridge Approach Slab Details - 2
- SH-24 Bridge Approach Slab Details - 3
- SH-25 Drainage Scupper Details
- SH-26 Framing Plan & Beam Elevation
- SH-27 Beam Details - 1
- SH-28 Beam Details - 2
- SH-29 Bearing Details
- SH-30 Abutment Removal Details
- SH-31 West Abutment
- SH-32 East Abutment
- SH-33 Abutment Details - 1
- SH-34 Abutment Details - 2
- SH-35 Pier Removal Details
- SH-36 Pier 1 Details - 1
- SH-37 Pier 1 Details - 2
- SH-38 Pier 2 Details - 1
- SH-39 Pier 2 Details - 2
- SH-40 Pier Details
- SH-41 Hp Pile Detail
- SH-42 Bar Splicer Assembly and Mechanical Splicer Details
- SH-43 Soil Boring Logs - 1
- SH-44 Soil Boring Logs - 2
- SH-45 Soil Boring Logs - 3
- SH-46 Soil Boring Logs - 4

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq Yd	-	1,244	1,244
Filter Fabric	Sq Yd	-	1,244	1,244
Removal Of Existing Superstructures	Each	1	-	1
Concrete Removal	Cu Yd	-	121.3	121.3
Slope Wall Removal	Sq Yd	-	1,386	1,386
Structure Excavation	Cu Yd	-	795	795
Cofferdam Excavation	Cu Yd	-	241	241
Rock Excavation For Structures	Cu Yd	-	183	183
Concrete Structures	Cu Yd	52.2	427.2	479.4
Concrete Superstructure	Cu Yd	758.4	-	758.4
Concrete Encasement	Cu Yd	-	9.8	9.8
Protective Coat	Sq Yd	3,160	-	3,160
Concrete Superstructure (Approach Slab)	Cu Yd	246.3	-	246.3
Furnishing And Erecting Structural Steel	L Sum	0.35	-	0.35
Stud Shear Connectors	Each	13,904	-	13,904
Reinforcement Bars, Epoxy Coated	Pound	322,450	57,640	380,090
Bar Splicers	Each	1,121	120	1,241
Mechanical Splicers	Each	-	20	20
Slope Wall 6 Inch	Sq Yd	-	639	639
Furnishing Steel Piles Hp12X53	Foot	-	552	552
Driving Piles	Foot	-	552	552
Pile Shoes	Each	-	14	14
Name Plates	Each	1	-	1
Preformed Joint Seal 2 1/2"	Foot	266	-	266
Elastomeric Bearing Assembly, Type I	Each	22	-	22
Anchor Bolts, 1"	Each	88	-	88
Temporary Sheet Piling	Sq Ft	-	765	765
Granular Backfill For Structures	Cu Yd	-	414	414
Geocomposite Wall Drain	Sq Yd	-	201	201
Pipe Underdrains For Structures 4"	Foot	-	198	198
Cofferdam (Type I) (In-Stream/Wetland Work)	Each	-	4	4
Bridge Deck Grooving (Longitudinal)	Sq Yd	1,879	-	1,879
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	-	210	210
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq Ft	-	40	40
Drainage Scuppers, DS-11	Each	5	-	5
Diamond Grinding (Bridge Section)	Sq Yd	2,600	-	2,600
Temporary Support System	L Sum	-	1	1



**Drainage System Note:**  
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

STATION 721+47.82  
RE-BUILT 20\_\_ BY  
STATE OF ILLINOIS  
F.A.I. RTE. 80 SEC. 2013-009B  
LOADING HL-93  
STRUCTURE NO. 099-0063

**NAME PLATE**  
See Std. 515001

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

**SECTION THRU SEMI-INTEGRAL ABUTMENT AT EXIST. ABUT.**

(Horiz. dim. at Rt. L's to C Brgs.)

**SECTION THRU SEMI-INTEGRAL ABUTMENT AT ABUT. EXTENSION**

(Horiz. dim. at Rt. L's to C Brgs.)

MODEL: Sheet  
FILE NAME: pw:\exp-pw\bentley.com\exp-pw-01\Documents\Projects\CH\00263426-A01800 CADD Design\811 WB\811.10 Structural\WB Hickory\Sheet\0990063-60W35-002-GN.dgn



USER NAME =	DESIGNED - BAR	REVISION -	DATE - 6/1/2022
	CHECKED - VCP	REVISION -	
PLOT SCALE =	DRAWN - MTR	REVISION -	
PLOT DATE =	CHECKED - BAR	REVISION -	

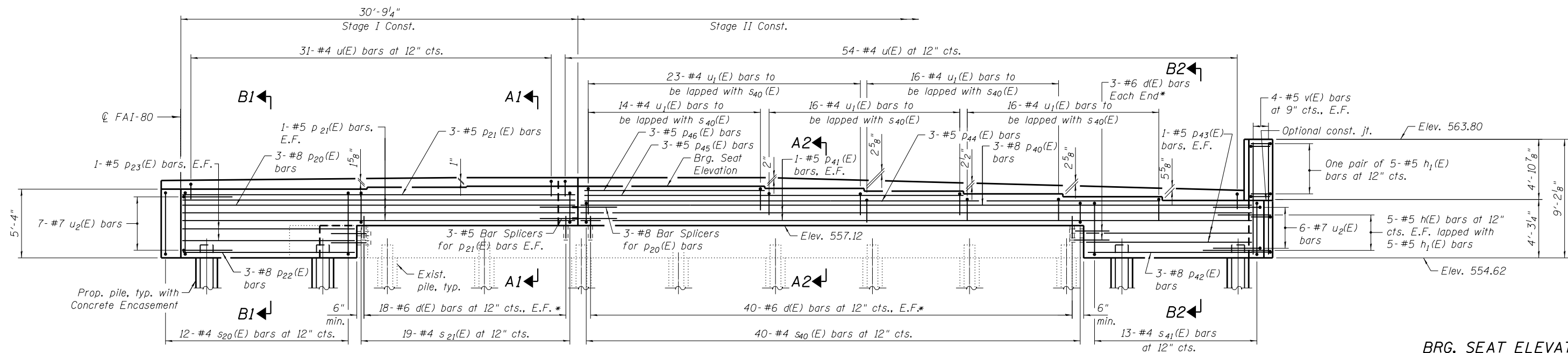
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL DATA  
STRUCTURE NO. 099-0063

SHEET SH-02 OF SH-46 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-009B	WILL	465	255
CONTRACT NO. 60W35				
ILLINOIS		FED. AID PROJECT		

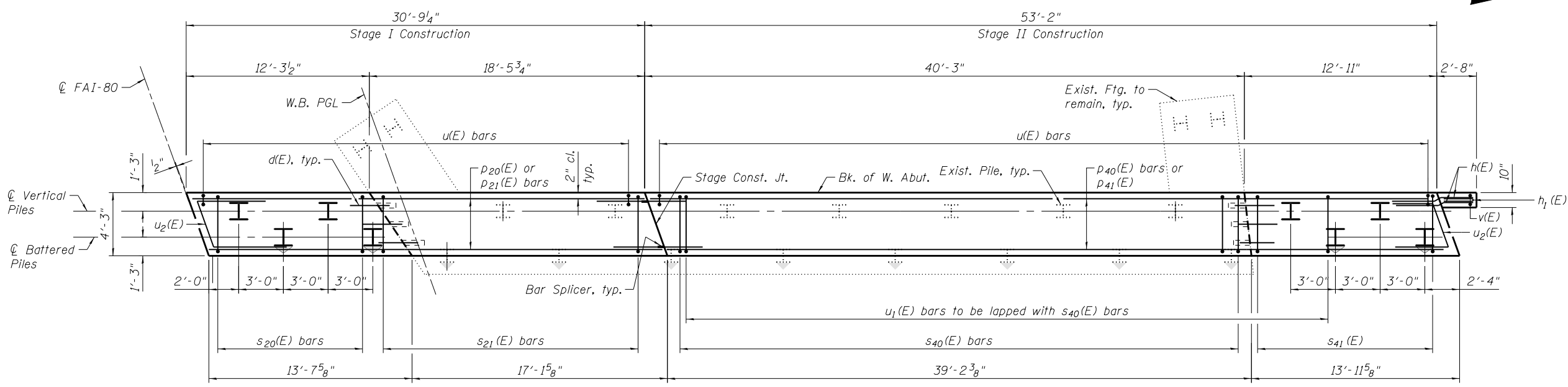
MODEL: Sheet  
 FILE NAME: p:\exp-pw-bentley.com\exp-pw-01\Documents\Projects\CH\0026326-A01800 CADD Design\811 Contract 60W35\_WB\811.10 Structural\WB Hickory\Sheet\0990063-60W35-029-WABUT.dgn



**ELEVATION**

**BRG. SEAT ELEVATIONS**

Beam	Elev.
1	558.89
2	559.36
3	559.58
4	559.79
5	560.00
6	560.17
7	560.17
8	560.17
9	560.09
10	559.95
11	559.95



**PLAN - PILE CAP**

**PILE DATA**

Type: HP 12x53 with pile shoes  
 Nominal Required Bearing: 419 kips  
 Factored Resistance Available: 230 kips  
 Est. Length: 45 ft  
 No. Production Piles: 8

**MIN. BAR LAPS**

#5 - 3'-9"  
 #8 - 8'-2"

\* Drill and grout bars according to Article 584 of the Standard Specifications with an embedment of 1'-0". Cost included with Reinforcement Bars, Epoxy Coated.

- Notes:
- Place reinforcement to clear piles, dowel bars, and anchor bolt locations.
  - For sections, see Sheet SH-34.
  - For bearing spacing details, see Sheet SH-33.
  - Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal
  - See Sheet SH-30 for Concrete Removal Details.
  - Order Bars p<sub>22</sub>(E), p<sub>23</sub>(E), p<sub>42</sub>(E), p<sub>43</sub>(E), p<sub>44</sub>(E), p<sub>45</sub>(E) and p<sub>46</sub>(E) full length. Cut bars in field to fit as needed.
  - Piles shown as battered shall be battered at 3H:12V.
  - Space "s(E)" bars to miss piles. Keep 2" minimum clearance to nearest pile.

REVISI<sup>1</sup> SHEET 6/2/2022



USER NAME =	DESIGNED - BAR	REVISED - 6/1/2022 BAR
CHECKED - VCP		
PLOT SCALE =	DRAWN - MTR	REVISED -
PLOT DATE =	CHECKED - BAR	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

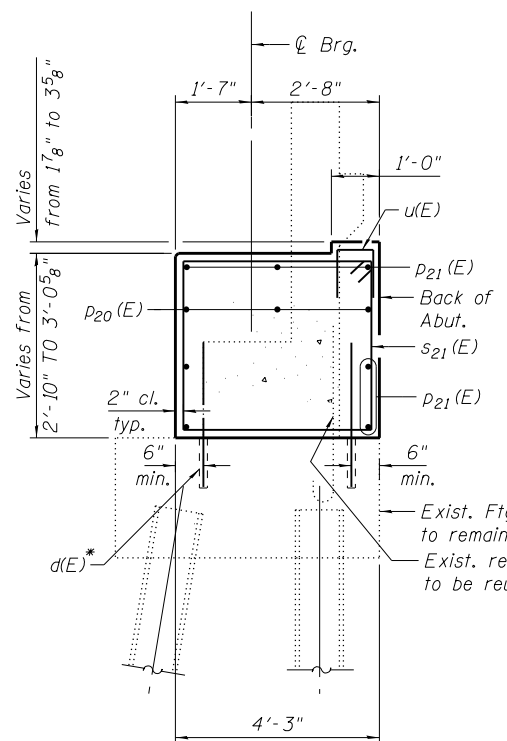
WEST ABUTMENT  
 STRUCTURE NO. 099-0063

SHEET SH-31 OF SH-46 SHEETS

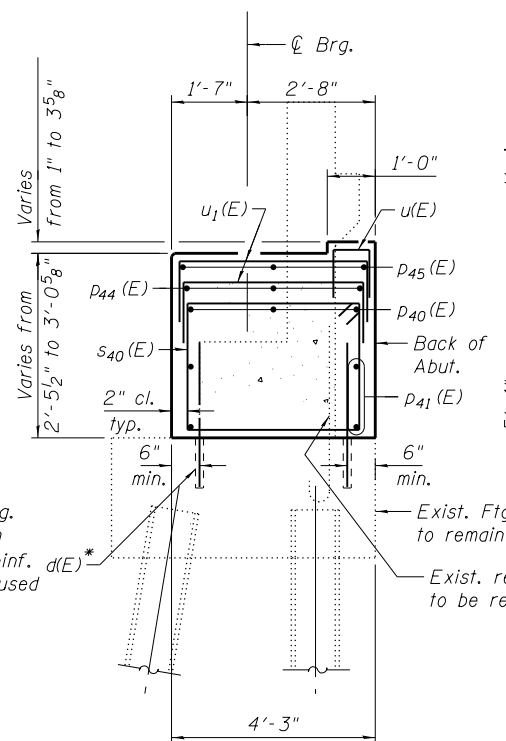
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-009B	WILL	465	284
CONTRACT NO. 60W35				

ILLINOIS FED. AID PROJECT

MODEL: Sheet  
 FILE NAME: pw:\vexp-pw.bentley.com\exp-pw-01\Documents\Projects\CH\00263426-A01800 CADD Design\811.10 Structural\WB Hickory\Sheet\0990063-60W35-032-ABUTDET2.dgn

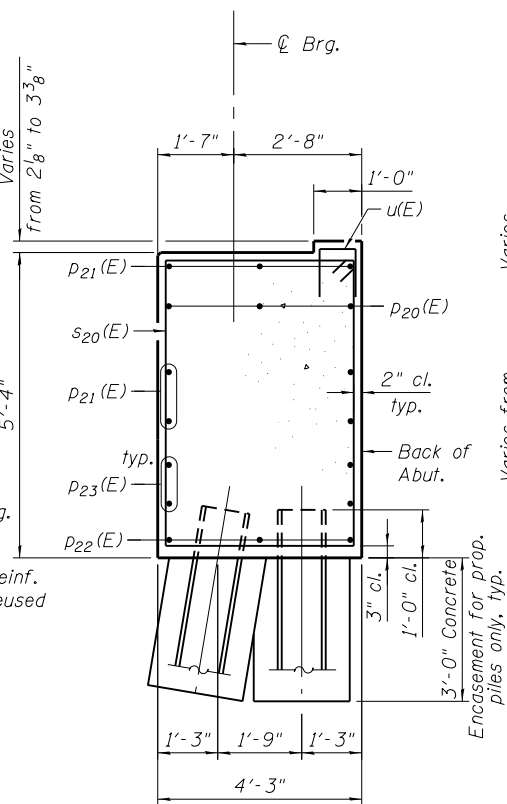


SECTION A1-A1

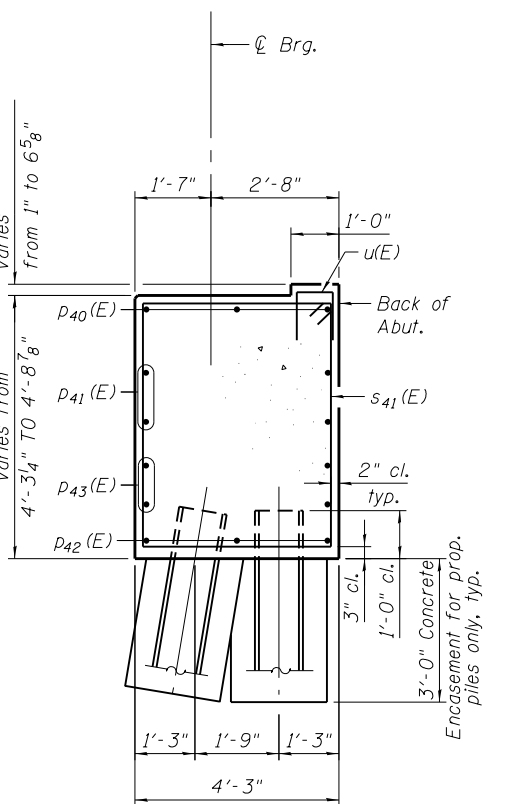


SECTION A2-A2

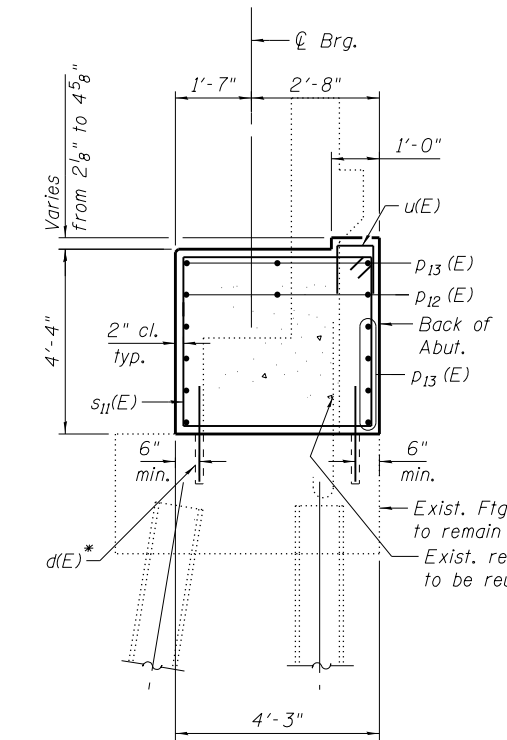
\*Drill and grout bars according to Article 584 of the Standard Specifications with an embedment of 1'-0". Cost included with Reinforcement Bars, Epoxy Coated.



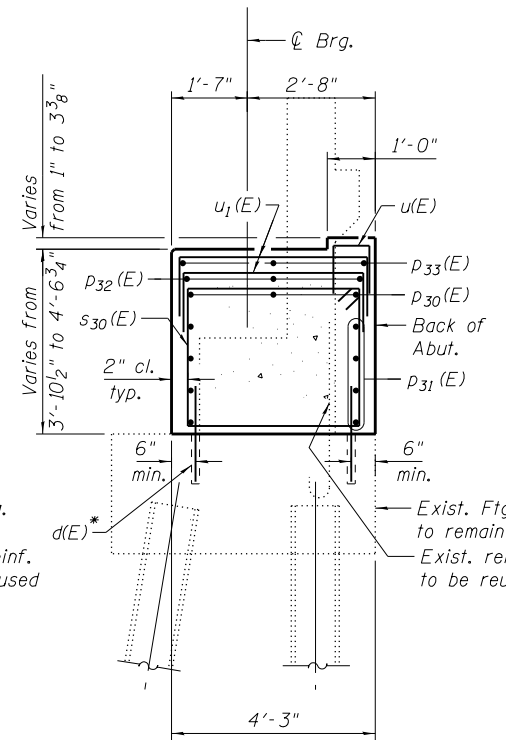
SECTION B1-B1



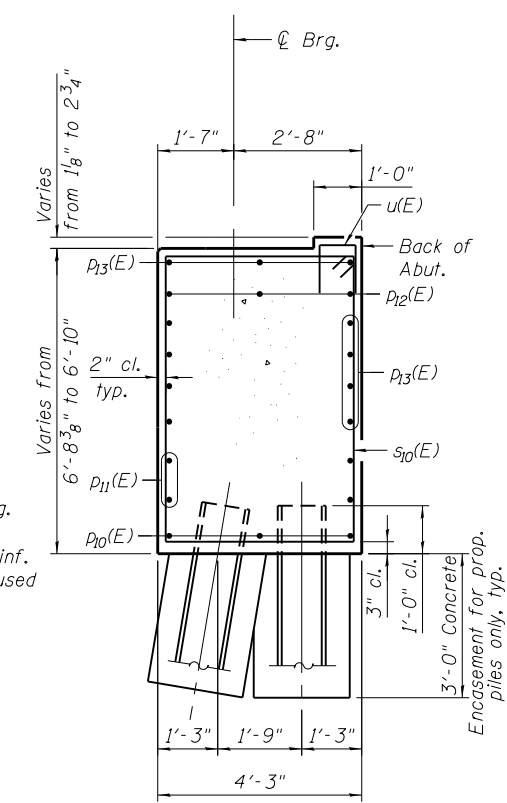
SECTION B2-B2



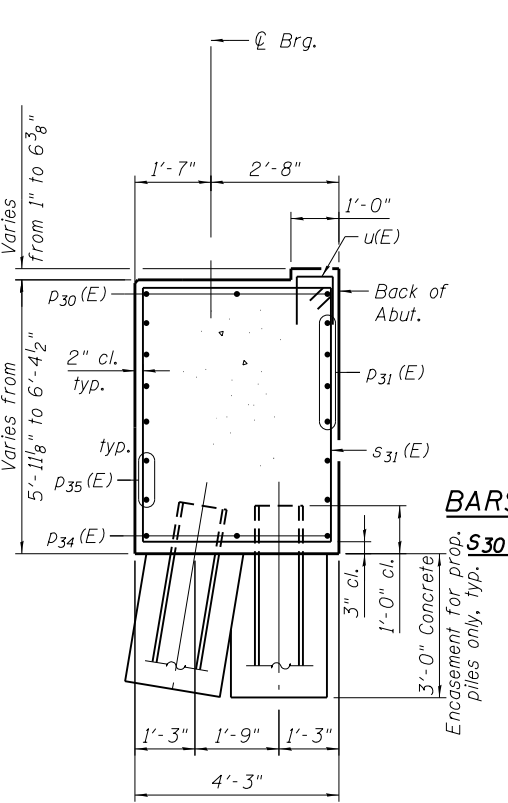
SECTION C1-C1



SECTION C2-C2



SECTION D1-D1



SECTION D2-D2

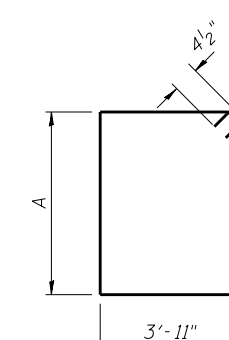
WEST ABUTMENT  
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	128	#6	4'-0"	—
h(E)	10	#5	5'-5"	—
h1(E)	15	#5	4'-5"	—
p20(E)	3	#8	30'-6"	—
p21(E)	9	#5	30'-6"	—
p22(E)	3	#8	13'-4"	—
p23(E)	4	#5	13'-4"	—
p40(E)	3	#8	52'-11"	—
p41(E)	4	#5	52'-11"	—
p42(E)	3	#8	13'-8"	—
p43(E)	4	#5	13'-8"	—
p44(E)	3	#5	46'-2"	—
p45(E)	3	#5	30'-9"	—
p46(E)	3	#5	15'-4"	—
s20(E)	12	#4	18'-5"	□
s21(E)	19	#4	13'-7"	□
s40(E)	40	#4	12'-5"	□
s41(E)	13	#4	16'-3"	□
u(E)	85	#4	3'-8"	—
u1(E)	46	#4	7'-9"	—
u2(E)	13	#7	13'-11"	—
v(E)	8	#5	8'-9"	—
Item	Unit	Quantity		
Structure Excavation	Cu Yd	429		
Concrete Structures	Cu Yd	48.9		
Concrete Encasement	Cu Yd	4.4		
Reinforcement Bars, Epoxy Coated	Pound	4,370		
Furnishing Steel Piles HP 12x53	Foot	360		
Driving Piles	Foot	360		
Pile Shoes	Each	8		

For details of Bar Splicers, see Sheet SH-42.  
 For pile details, see Sheet SH-41.

EAST ABUTMENT  
 BILL OF MATERIAL

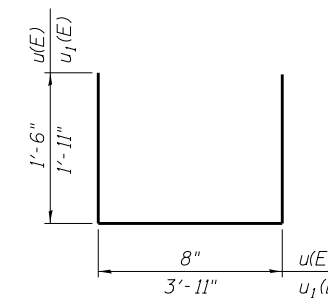
Bar	No.	Size	Length	Shape
d(E)	138	#6	4'-0"	—
h10(E)	22	#8	16'-2"	—
h11(E)	12	#5	7'-10"	—
p10(E)	3	#8	13'-9"	—
p11(E)	4	#5	13'-9"	—
p12(E)	3	#8	30'-6"	—
p13(E)	11	#5	30'-6"	—
p30(E)	3	#8	52'-11"	—
p31(E)	8	#5	52'-11"	—
p32(E)	3	#5	46'-1"	—
p33(E)	3	#5	30'-8"	—
p34(E)	3	#8	9'-2"	—
p35(E)	4	#5	9'-2"	—
s10(E)	13	#4	21'-1"	□
s11(E)	18	#4	16'-7"	□
s30(E)	46	#4	15'-7"	□
s31(E)	9	#4	19'-7"	□
u(E)	85	#4	3'-8"	—
u1(E)	47	#4	7'-9"	—
u2(E)	17	#7	13'-11"	—
v1(E)	11	#5	18'-3"	—
Item	Unit	Quantity		
Structure Excavation	Cu Yd	366		
Concrete Structures	Cu Yd	68.4		
Concrete Encasement	Cu Yd	5.4		
Reinforcement Bars, Epoxy Coated	Pound	5,980		
Furnishing Steel Piles HP 12x53	Foot	192		
Driving Piles	Foot	192		
Pile Shoes	Each	6		



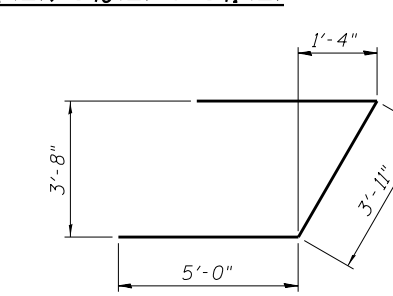
BARS s10(E), s11(E), s20(E), s21(E), s30(E), s31(E), s40(E) & s41(E)

SCHEDULE

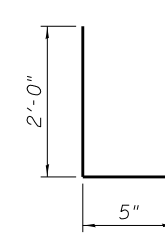
Bar	Dimension A
s10(E)	6'-3"
s11(E)	4'-0"
s20(E)	4'-11"
s21(E)	2'-6"
s30(E)	3'-6"
s31(E)	5'-6"
s40(E)	1'-11"
s41(E)	3'-10"



BAR u(E) & u1(E)



BAR u2(E)



BAR h(E)

REVISED SHEET 6/2/2022



USER NAME =	DESIGNED - BAR	REVISED - 6/1/2022 BAR
PLOT SCALE =	CHECKED - VCP	REVISED -
PLOT DATE =	DRAWN - MTR	REVISED -
	CHECKED - BAR	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ABUTMENT DETAILS - 2  
 STRUCTURE NO. 099-0063

SHEET SH-34 OF SH-46 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-009B	WILL	465	287
CONTRACT NO. 60W35				
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

Fasteners shall be ASTM F3125 Grade A325, mechanically galvanized bolts. Bolts 7/8 in. Ø, holes 15/16 in. Ø, unless otherwise noted.

Calculated weight of Structural Steel = 1,718,000 lbs. (Grade 50)

All structural steel shall be AASHTO M270 Grade 50.

Steel dead load fit shall be used to detail the cross frame connections.

No field welding is permitted except as specified in the contract documents.

Reinforcement bars designated (E) shall be epoxy coated.

Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Concrete Sealer shall be applied to the designated areas of the abutments.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

The Organic Zinc Rich Primer / Epoxy / Urethane Paint System shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with the exception of the exterior surface and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

Slipforming of the median parapet (adjacent to the centerline of I-80) is not allowed.

Existing protective shielding was installed under Contract 60M64. If the Contractor elects to use the existing protective shielding, the Contractor shall inspect its condition prior to bidding and make necessary adjustments or modifications as necessary for re-use. In addition, the Contractor shall submit, to the Engineer, calculations and working drawings prepared and sealed by an Illinois Licensed Structural Engineer incorporating the existing protective shielding into this work. This work, along with modifications and adjustments shall be included in the cost of "Protective Shield."

The removal and disposal of the existing protective shielding will be included in the lump sum cost of Removal of Existing Structures.

This project requires a US Army Corps of Engineers (USACE) 404 permit. See General Note 22 on roadway plan sheet no. 3. Instream work plan will be required depicting any work within the Waters of the US (WOUS) noted on the plans. The Contractor shall develop and submit the instream work plan as described in General Note 4 on sheet no. 4. Instream work plan may be required for the removal of existing Pier 2, 3, or 4, and for the construction of proposed Pier 2.

Bridge deck grooving shall be applied to the future WB lane.

The existing bridge railing (Standard 2399) on SN 099-0067 (WB I-80 over Rowell Avenue) shall be salvaged, delivered and unloaded at the IDOT maintenance yard. The Engineer shall contact John Bilski at 847-956-1444 at least 48 hours in advance to coordinate access and unloading of salvaged material at the yard. The cost of this work will be included in the lump sum cost of Removal of Existing Structures. The yard is located at:

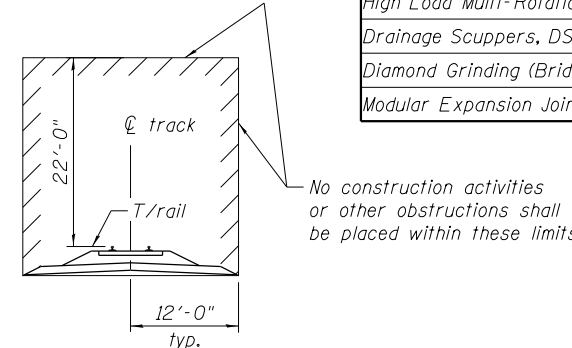
District Bridge Office  
1101 Biesterfeld Road  
Elk Grove Village, IL 60007

**INDEX OF SHEETS**

SR-01	General Plan & Elevation
SR-02	General Data I
SR-03	General Data II
SR-04	Footing Layout
SR-05	Miscellaneous Details I
SR-06	Miscellaneous Details II
SR-07	Miscellaneous Details III
SR-08	Stage Construction Details
SR-09	Temporary Concrete Barrier for Stage Construction
SR-10	Top of Slab Elevations Layout
SR-11	Top of Slab Elevations I
SR-12	Top of Slab Elevations II
SR-13	Top of Slab Elevations III
SR-14	Top of Slab Elevations IV
SR-15	Top of West Approach Slab Elevations
SR-16	Top of East Approach Slab Elevations
SR-17	Superstructure Plan & Cross Section
SR-18	Superstructure Plan & Details
SR-19	Superstructure Details I
SR-20	Superstructure Details II
SR-21	Superstructure Details III
SR-22	Bridge Approach Slab Plan
SR-23	Bridge Approach Slab Details I
SR-24	Bridge Approach Slab Details II
SR-25	Preformed Joint Strip Seal
SR-26	Modular Joint
SR-27	Drainage Scupper, DS-33
SR-28	Drainage System Details
SR-29	Framing Plan
SR-30	Structural Steel I
SR-31	Structural Steel II
SR-32	Structural Steel III
SR-33	Diaphragm Details I
SR-34	Diaphragm Details II
SR-35	Bearing Details I
SR-36	Bearing Details II
SR-37	Abutment Removal
SR-38	West Abutment
SR-39	East Abutment
SR-40	Abutment Details
SR-41	MSE Wall at East Abutment
SR-42	East Abutment & MSE Wall Details
SR-43	Pier Removal
SR-44	Pier 1 Details I
SR-45	Pier 1 Details II
SR-46	Pier 2 Details I
SR-47	Pier 2 Details II
SR-48	Pier 3 Details I
SR-49	Pier 3 Details II
SR-50	Pier 4 Details I
SR-51	Pier 4 Details II
SR-52	HP Pile Details
SR-53	Bar Splicer Assembly and Mechanical Splicer Details
SR-54	Concrete Parapet Slipforming Option
SR-55	Soil Boring Logs I
SR-56	Soil Boring Logs II
SR-57	Soil Boring Logs III
SR-58	Soil Boring Logs IV
SR-59	Soil Boring Logs V
SR-60	Soil Boring Logs VI
SR-61	Soil Boring Logs VII
SR-62	Soil Boring Logs VIII
SR-63	Soil Boring Logs IX
SR-64	Soil Boring Logs X

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Removal Of Existing Structures	Each	-	-	1
Protective Shield	Sq Yd	1119	-	1119
Structure Excavation	Cu Yd	-	1364.3	1364.3
Cofferdam Excavation	Cu Yd	-	164	164
Concrete Structures	Cu Yd	-	915.2	915.2
Concrete Superstructure	Cu Yd	1258	-	1258
Protective Coat	Sq Yd	5184	-	5184
Concrete Superstructure (Approach Slab)	Cu Yd	178	-	178
Furnishing And Erecting Structural Steel	L Sum	0.65	-	0.65
Stud Shear Connectors	Each	23376	-	23376
Reinforcement Bars	Pound	-	53530	53530
Reinforcement Bars, Epoxy Coated	Pound	380350	257710	638060
Bar Splicers	Each	2147	456	2603
Slope Wall 4 Inch	Sq Yd	-	2319	2319
Furnishing Steel Piles Hp12X53	Foot	-	2197	2197
Driving Piles	Foot	-	2197	2197
Test Pile Steel Hp12X53	Each	-	2	2
Pile Shoes	Each	-	44	44
Name Plates	Each	1	-	1
Permanent Casing	Foot	-	105	105
Drilled Shaft In Soil	Cu Yd	-	54	54
Drilled Shaft In Rock	Cu Yd	-	101.4	101.4
Preformed Joint Strip Seal	Foot	76	-	76
Elastomeric Bearing Assembly, Type Ii	Each	10	-	10
Elastomeric Bearing Assembly, Type Iii	Each	10	-	10
Anchor Bolts, 1"	Each	120	-	120
Anchor Bolts, 1 1/2"	Each	40	-	40
Temporary Soil Retention System	Sq Ft	-	2339	2339
Mechanically Stabilized Earth Retaining Wall	Sq Ft	-	1216	1216
Temporary Mechanically Stabilized Earth Retaining Wall	Sq Ft	-	671	671
Drainage System For Structures	L Sum	1	-	1
Granular Backfill For Structures	Cu Yd	-	265	265
Concrete Sealer	Sq Ft	-	1718	1718
Geocomposite Wall Drain	Sq Yd	-	88	88
Pipe Underdrains For Structures 4"	Foot	-	144	144
Crosshole Sonic Logging Access Ducts	Foot	-	478	478
Crosshole Sonic Logging Testing	Each	-	8	8
Cofferdam (Type I) (In-Stream/Wetland Work)	Each	-	3	3
Bridge Deck Grooving (Longitudinal)	Sq Yd	2708	-	2708
High Load Multi-Rotational Bearings, Guided Expansion, 400K	Each	20	-	20
Drainage Scuppers, DS-33	Each	10	-	10
Diamond Grinding (Bridge Section)	Sq Yd	4208	-	4208
Modular Expansion Joint 6"	Foot	61	-	61



No construction activities or other obstructions shall be placed within these limits

**MINIMUM CONSTRUCTION CLEARANCE ENVELOPE**  
(Dimensions @ Rt. L to C Track)

STATION 760+85.0  
BUILT 20\_\_ BY  
STATE OF ILLINOIS  
F.A.I. RTE. 80 SEC. 2013-009B  
LOADING HL-93  
STRUCTURE NO. 099-0905

**NAME PLATE**  
See Std. 515001  
**REVISED SHEET 6/2/2022**

MODEL: Default  
FILE NAME: p:\v\exp-pw\exp-pw-01\Documents\Projects\CH\0026326-A01800 CAD Design\811 Structural\WB Rowell\Sheet\0990905-60W35-002-GP.dgn



USER NAME =	DESIGNED - CCE	REVISED - 6/1/2022 BAR
CHECKED - VCP	REVISIONS -	
PLOT SCALE =	DRAWN - HBJ	REVISIONS -
PLOT DATE =	CHECKED - CCE	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA I  
STRUCTURE NO. 099-0905**

SHEET SR-02 OF SR-64 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-009B	WILL	465	301
CONTRACT NO. 60W35				
ILLINOIS FED. AID PROJECT				



MODEL: Default  
 FILE NAME: pw:\exp-pw-bentley.com\exp-pw-01\Documents\Projects\CH\00263426-A01800 CADD Design\811.10 Structural\WB Rowell\Sheet\0990905-60W35-034-WAB.dgn  
 5/31/2022 1:53:50 PM



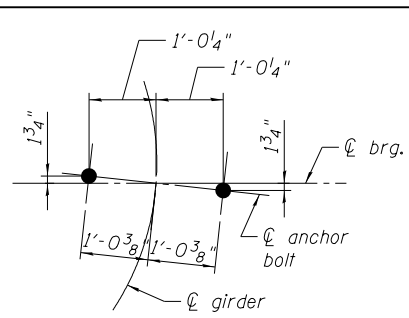
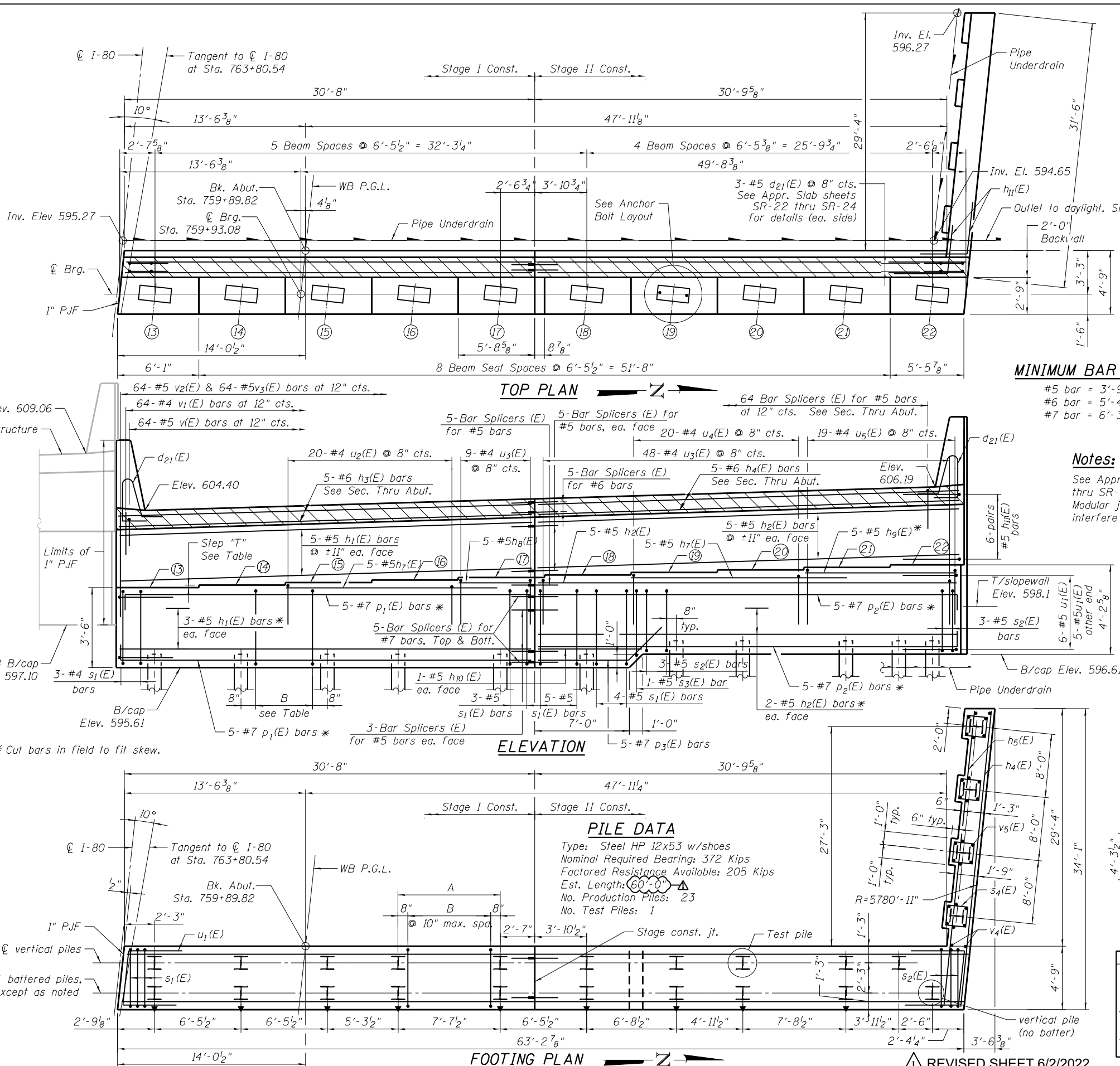
USER NAME =	DESIGNED - CCE	REVISED - 6/1/2022 BAR
PLOT SCALE =	CHECKED - VCP	REVISED -
PLOT DATE =	DRAWN - HBJ	REVISED -
	CHECKED - CCE	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT  
 STRUCTURE NO. 099-0905

SHEET SR-38 OF SR-64 SHEETS

F.A.I. RTE. 80	SECTION 2013-009B	COUNTY WILL	TOTAL SHEETS 465	SHEET NO. 337
CONTRACT NO. 60W35				
ILLINOIS FED. AID PROJECT				



**TABLE OF SEAT ELEVATIONS**

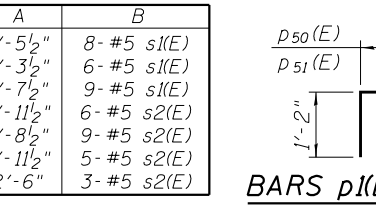
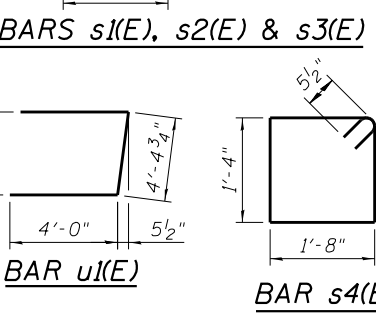
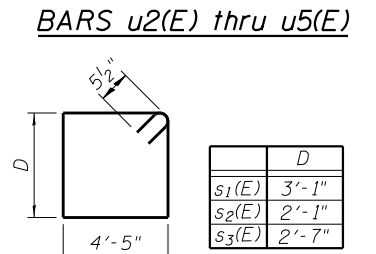
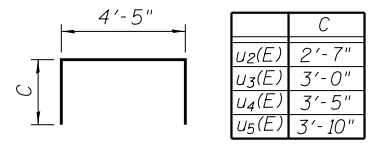
Elev.	Step "T"
13	599.11
14	599.30
15	599.50
16	599.69
17	599.88
18	600.07
19	600.26
20	600.45
21	600.64
22	600.83

**MINIMUM BAR LAP**

- #5 bar = 3'-9"
- #6 bar = 5'-4"
- #7 bar = 6'-3"

**Notes:**

See Approach Slab Sheets SR-23 thru SR-24 for additional details. Modular joint housing shall not interfere with reinforcement bars.



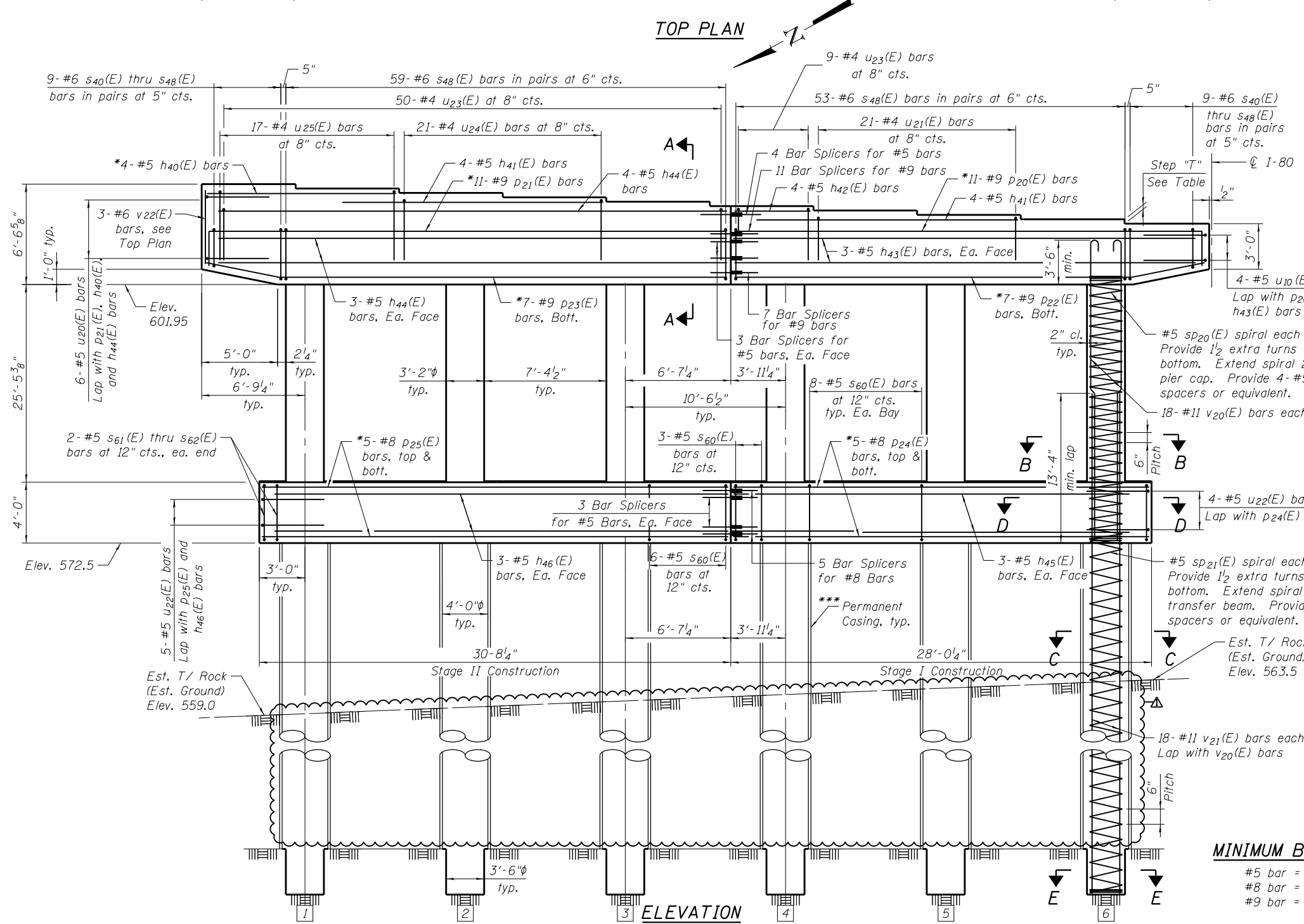
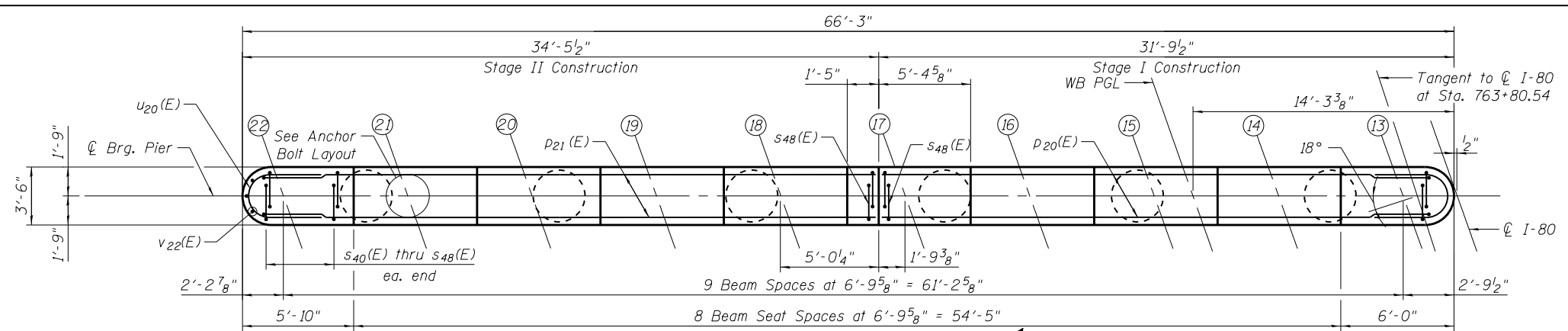
**WEST ABUTMENT  
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
d21(E)	6	#5	8'-6"	L
h1(E)	16	#5	30'-9"	—
h2(E)	19	#5	32'-2"	—
h3(E)	5	#6	30'-6"	—
h4(E)	5	#6	32'-2"	—
h5(E)	10	#5	33'-11"	—
h6(E)	8	#5	31'-2"	—
h7(E)	10	#5	16'-8"	—
h8(E)	5	#5	5'-3"	—
h9(E)	5	#5	12'-0"	—
h10(E)	2	#5	8'-0"	—
h11(E)	12	#5	7'-6"	L
p1(E)	10	#7	31'-10"	—
p2(E)	10	#7	33'-4"	—
p3(E)	5	#7	10'-3"	L
s1(E)	49	#5	15'-11"	□
s2(E)	28	#5	13'-11"	□
s3(E)	1	#5	14'-11"	□
s4(E)	24	#5	6'-11"	□
u1(E)	11	#5	12'-5"	—
u2(E)	20	#4	9'-7"	—
u3(E)	57	#4	10'-5"	—
u4(E)	20	#4	11'-3"	—
u5(E)	19	#4	12'-1"	—
v(E)	64	#5	3'-9"	L
v1(E)	64	#4	3'-0"	L
v2(E)	64	#5	7'-0"	—
v3(E)	64	#4	8'-3"	—
v4(E)	64	#5	7'-10"	—
v5(E)	16	#5	6'-6"	—
Item	Unit	Quantity		
Structure Excavation	Cu Yd	471.3		
Concrete Structures	Cu Yd	80.3		
Reinforcement Bars, Epoxy Coated	Pound	8,310		
Furnishing Steel Piles HP 12x53	Foot	1,380		
Driving Piles	Foot	1,380		
Test Pile Steel HP12x53	Each	1		
Pile Shoes	Each	24		
Concrete Sealer	Sq Ft	798		

For details of Bar Splicers, see Sheet SR-53.  
 For details of piles see Sheet SR-52.  
 For wingwall details see Sheet SR-40.

REVISION 1  
 REVISED SHEET 6/2/2022

MODEL: Default  
 FILE NAME: pw:\exp-pw-bentley.com\exp-pw-01\Documents\Projects\CHI00263426-A01800 CADD Design\811.10 Structural\WB Rowell\Sheet\0990905-60W35-042-PD3.dgn



**BEARING SEAT ELEVATIONS**

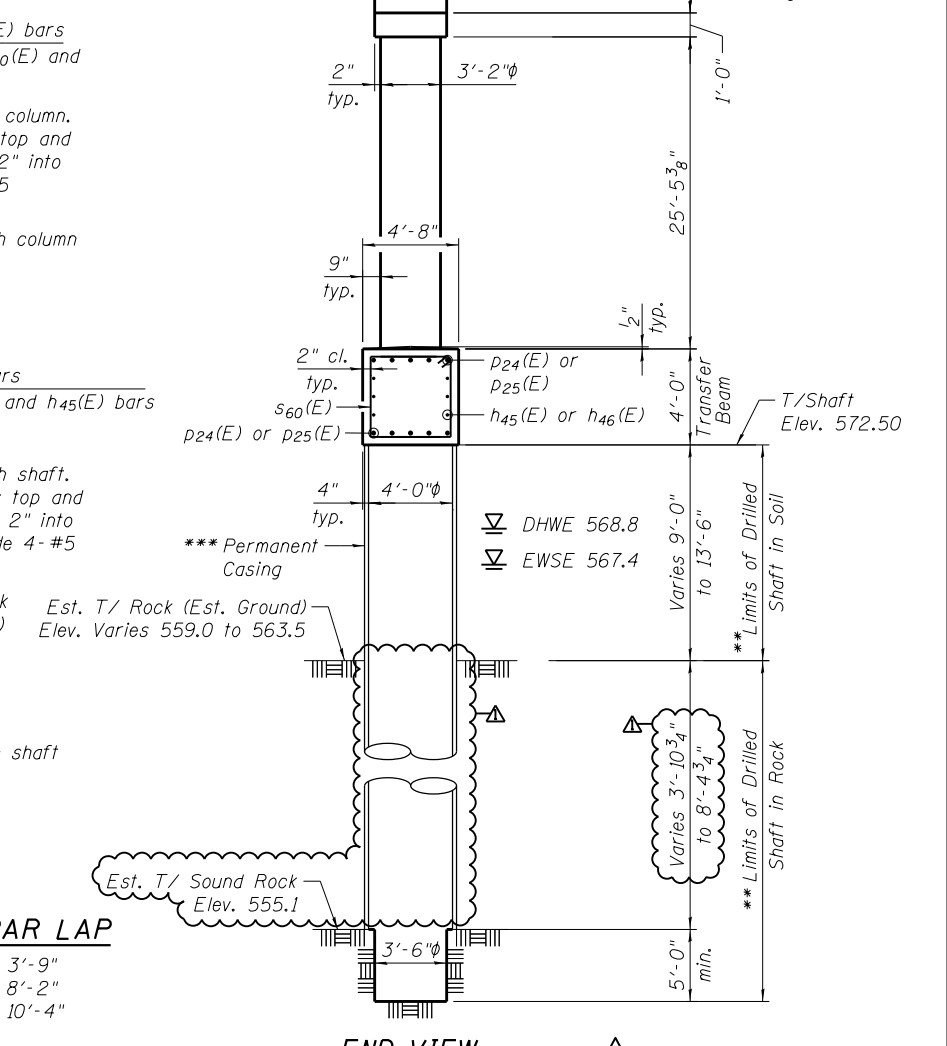
Beam	Elevation	Step "T"
13	605.95	3 <sup>3</sup> / <sub>8</sub> "
14	606.24	3 <sup>3</sup> / <sub>8</sub> "
15	606.52	3 <sup>3</sup> / <sub>8</sub> "
16	606.80	3 <sup>3</sup> / <sub>8</sub> "
17	607.08	3 <sup>3</sup> / <sub>8</sub> "
18	607.37	3 <sup>3</sup> / <sub>8</sub> "
19	607.65	3 <sup>3</sup> / <sub>8</sub> "
20	607.94	3 <sup>3</sup> / <sub>8</sub> "
21	608.22	3 <sup>3</sup> / <sub>8</sub> "
22	608.50	3 <sup>3</sup> / <sub>8</sub> "

- NOTES**
- For Pier General Notes, see Sheet SR-44.
  - For Bill of Material, Bar Diagrams, and Sections A-A, B-B, C-C, D-D, and E-E, see Sheet SR-47.
  - For Anchor Bolt Layout, see Sheet SR-47.
  - If a portion of the drilled shaft web walls or concrete encasement is under water, reinforcement may be placed underwater into forms. Concrete shall be tremied according to Article 503.08 of the Standard Specifications to an elevation of 1'-0" above the water line at the time of construction.
  - The construction of this pier may require an in-stream work plan and shall comply with the US Army Corps of Engineers permit 404. This work shall be included in the cost of Concrete Structures.
  - For cofferdam details, see Sheet SR-04.

\* Cut to fit in field.

\*\* If the prevailing water surface elevation during construction is consistently different than estimated on the plans, the contractor may propose an adjustment to the top of the drilled shaft elevation as part of their installation procedure. The top of all drilled shafts within a substructure unit shall be constructed to the same elevation and extend above the prevailing water surface. The quantities and reinforcement detailing are based on the top of shaft and the estimated elevations shown and may change based on the actual elevations encountered at each shaft and the final top of shaft elevation.

\*\*\* Contractor is responsible for determining the casing thickness. See Article 516.06(d) of the Standard Specifications.



**MINIMUM BAR LAP**

- #5 bar = 3'-9"
- #8 bar = 8'-2"
- #9 bar = 10'-4"



USER NAME =	DESIGNED - CCE	REVISED - 6/1/2022 BAR
CHECKED - VCP		
PLOT SCALE =	DRAWN - HBJ	REVISED -
PLOT DATE =	CHECKED - CCE	REVISED -

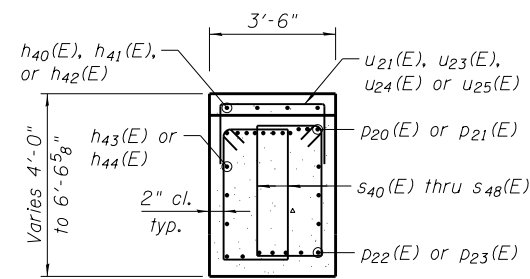
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PIER 2 DETAILS I  
 STRUCTURE NO. 099-0905**

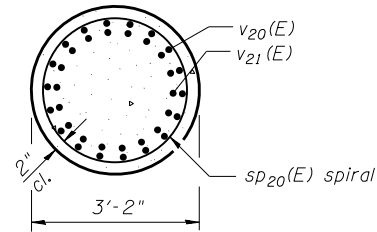
SHEET SR-46 OF SR-64 SHEETS

F.A.I. RTE. 80	SECTION 2013-009B	COUNTY WILL	TOTAL SHEETS 465	SHEET NO. 345
CONTRACT NO. 60W35				
ILLINOIS FED. AID PROJECT				

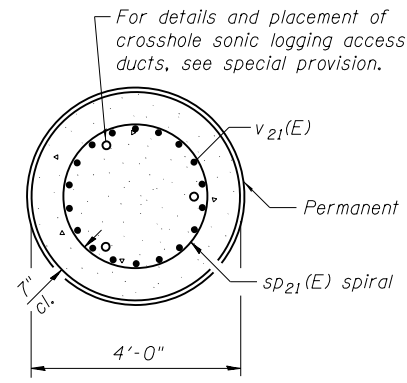
MODEL: Default  
 FILE NAME: p:\v\exp-pw\bentley.com:exp-pw-01\Documents\Projects\CH\00263426-A01800 CADD Design\811 WB\811.10 Structural\WB Rowell\Sheet\0990905-60W35-043-PD4.dgn  
 5/31/2022 1:54:12 PM



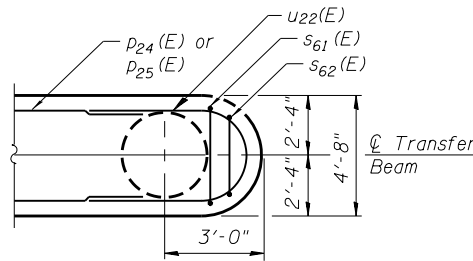
SECTION A-A



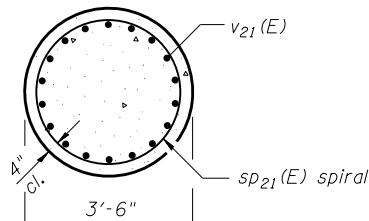
SECTION B-B



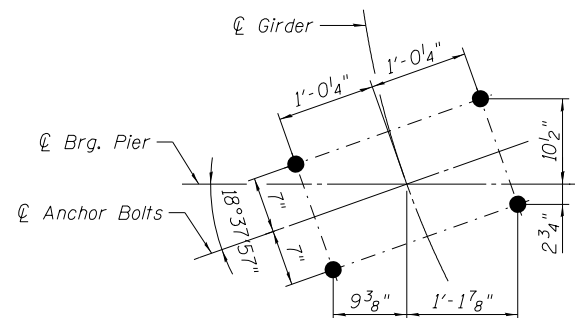
SECTION C-C



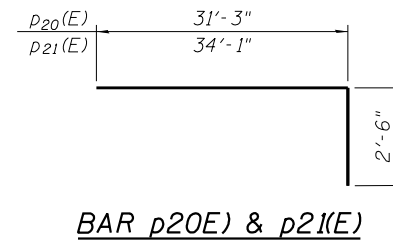
SECTION D-D



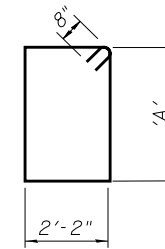
SECTION E-E



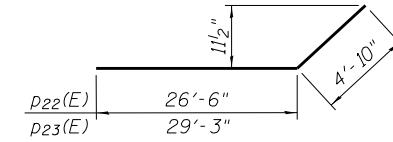
ANCHOR BOLT LAYOUT



BAR p20(E) & p21(E)

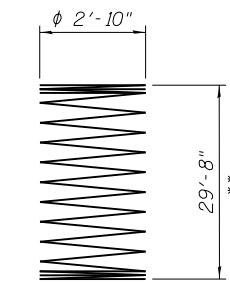


BARS s40(E) thru s48(E)

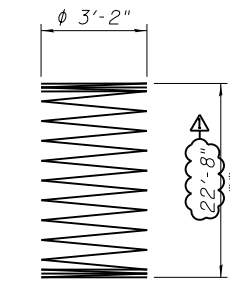


BARS p22(E) & p23(E)

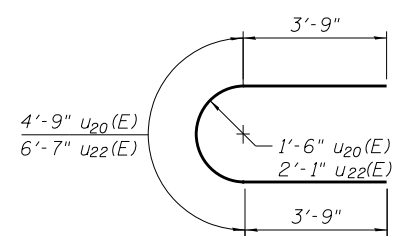
Bar	'A'
s40(E)	3'-0"
s41(E)	3'-1"
s42(E)	3'-2"
s43(E)	3'-3"
s44(E)	3'-4"
s45(E)	3'-5"
s46(E)	3'-6"
s47(E)	3'-7"
s48(E)	3'-8"



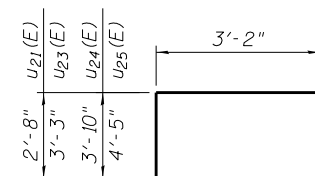
BAR sp20(E)



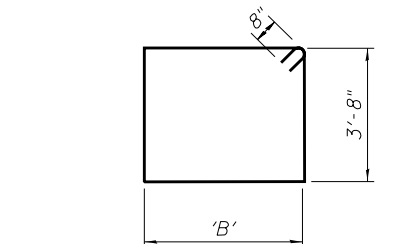
BAR sp21(E)



BARS u20(E) & u22(E)

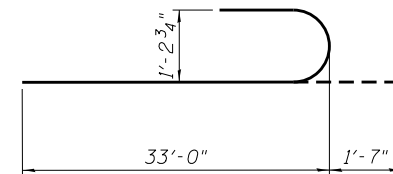


BARS u21(E), u23(E), u24(E) & u25(E)



BAR s60(E) thru s62(E)

Bar	'B'
s60(E)	4'-4"
s61(E)	3'-9"
s62(E)	1'-2"



BAR v20(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
* M4(E)	4	#5	12'-3"	—
M4(E)	8	#5	17'-5"	—
M4(E)	4	#5	5'-0"	—
M3(E)	6	#5	29'-9"	—
M4(E)	10	#5	32'-6"	—
M5(E)	6	#5	25'-5"	—
M6(E)	6	#5	28'-2"	—
* p20(E)	11	#9	33'-9"	—
* p21(E)	11	#9	36'-7"	—
* p22(E)	7	#9	31'-4"	—
* p23(E)	7	#9	34'-2"	—
* p24(E)	10	#8	27'-7"	—
* p25(E)	10	#8	30'-4"	—
s40(E)	4	#6	11'-8"	□
s41(E)	4	#6	11'-10"	□
s42(E)	4	#6	12'-0"	□
s43(E)	4	#6	12'-2"	□
s44(E)	4	#6	12'-4"	□
s45(E)	4	#6	12'-6"	□
s46(E)	4	#6	12'-8"	□
s47(E)	4	#6	12'-10"	□
s48(E)	228	#6	13'-0"	□
s60(E)	41	#6	17'-4"	□
s61(E)	2	#6	16'-2"	□
s62(E)	2	#6	11'-0"	□
** sp20(E)	6	#5	29'-8"	—
** sp21(E)	6	#5	22'-8"	—
u20(E)	10	#5	12'-3"	—
u21(E)	21	#4	8'-6"	—
u22(E)	10	#5	14'-1"	—
u23(E)	59	#4	9'-8"	—
u24(E)	21	#4	10'-10"	—
u25(E)	17	#4	12'-0"	—
v20(E)	108	#11	34'-7"	—
v21(E)	108	#11	35'-10"	—
v22(E)	3	#6	5'-2"	—
Item	Unit	Quantity		
Concrete Structures	Cu Yd	135.7		
Reinforcement Bars, Epoxy Coated	Pound	61,380		
Permanent Casing	Foot	92		
Drilled Shaft in Soil	Cu Yd	31.5		
Drilled Shaft in Rock	Cu Yd	27.9		
Crosshole Sonic Logging Access Ducts	Foot	135		
Crosshole Sonic Logging Testing	Each	2		

Minimum lap for spirals = 3'-9"  
 \* Cut to fit in field.  
 \*\* Length is height of spiral.

REVISED SHEET 6/2/2022



USER NAME =	DESIGNED - CCE	REVISED - 6/1/2022 BAR
PLOT SCALE =	CHECKED - VCP	REVISED -
PLOT DATE =	DRAWN - HBJ	REVISED -
	CHECKED - CCE	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PIER 2 DETAILS II  
 STRUCTURE NO. 099-0905

SHEET SR-47 OF SR-64 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2013-009B	WILL	465	346
CONTRACT NO. 60W35				
ILLINOIS		FED. AID PROJECT		