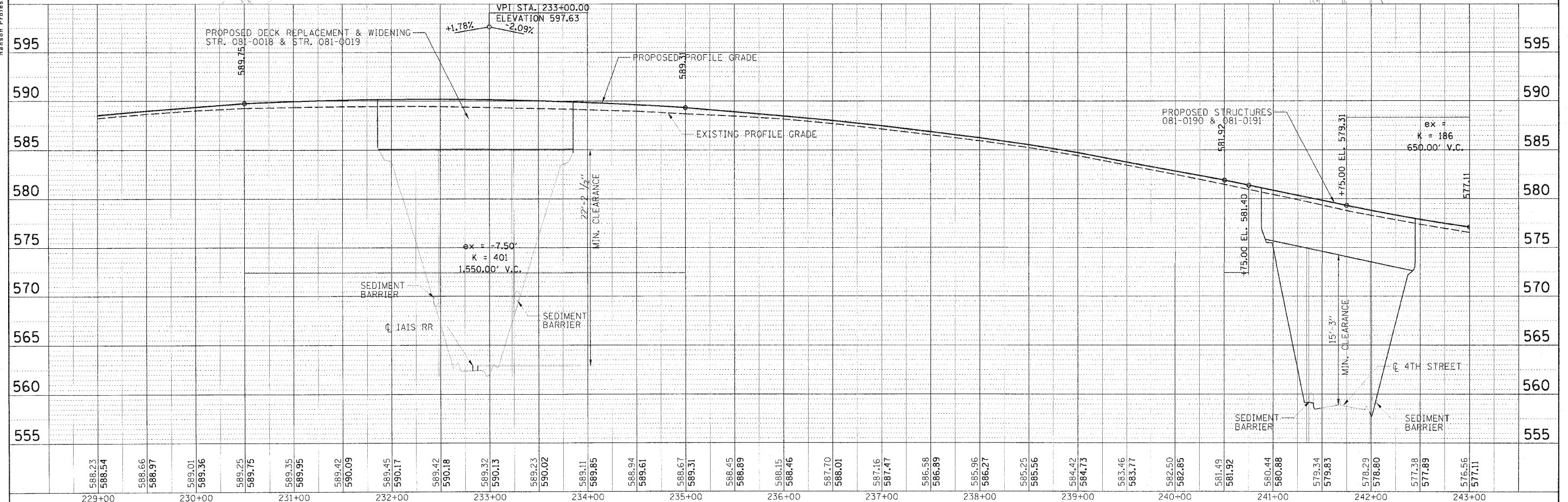
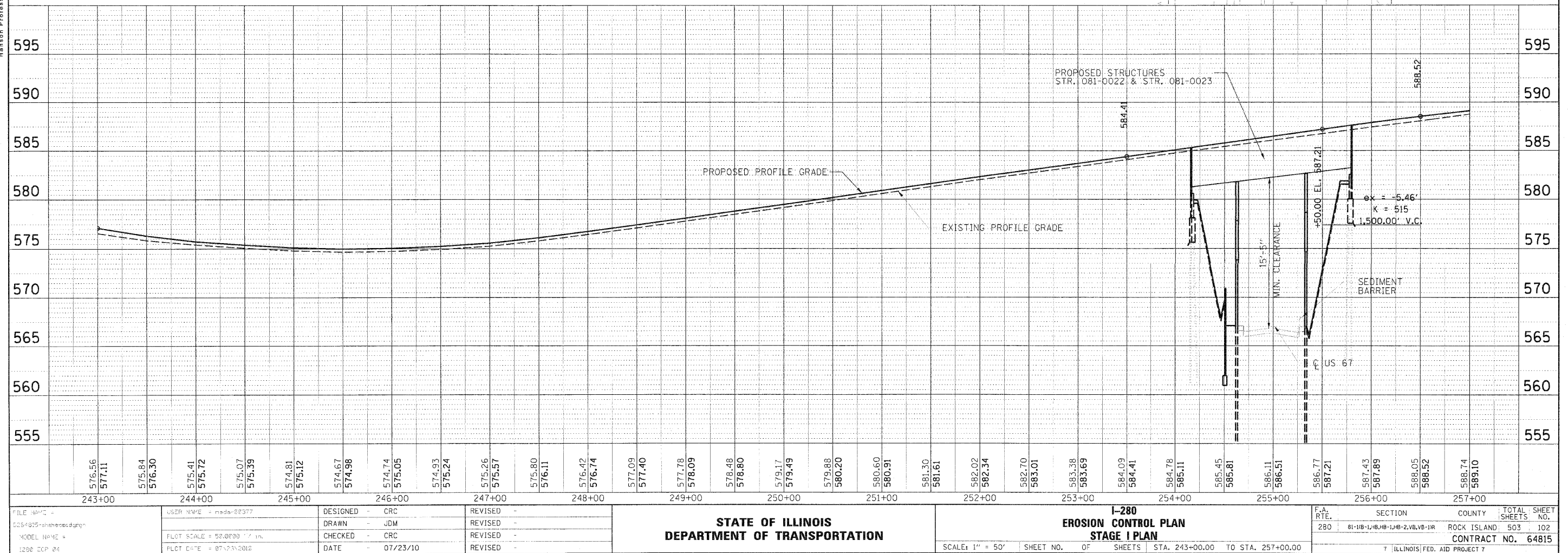
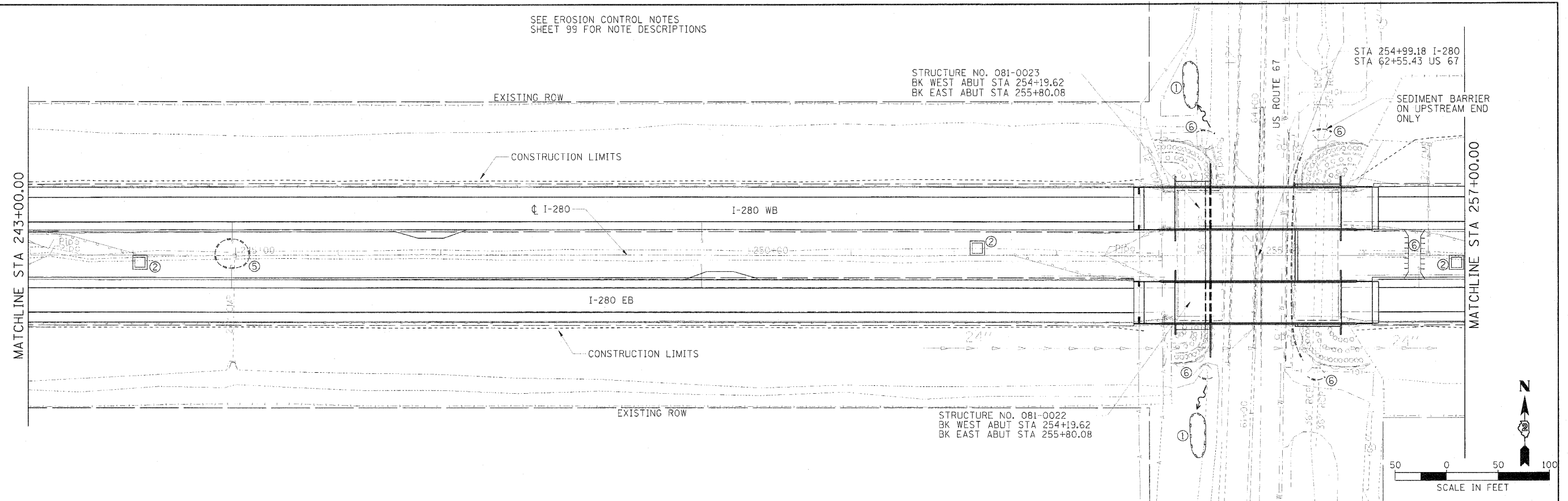




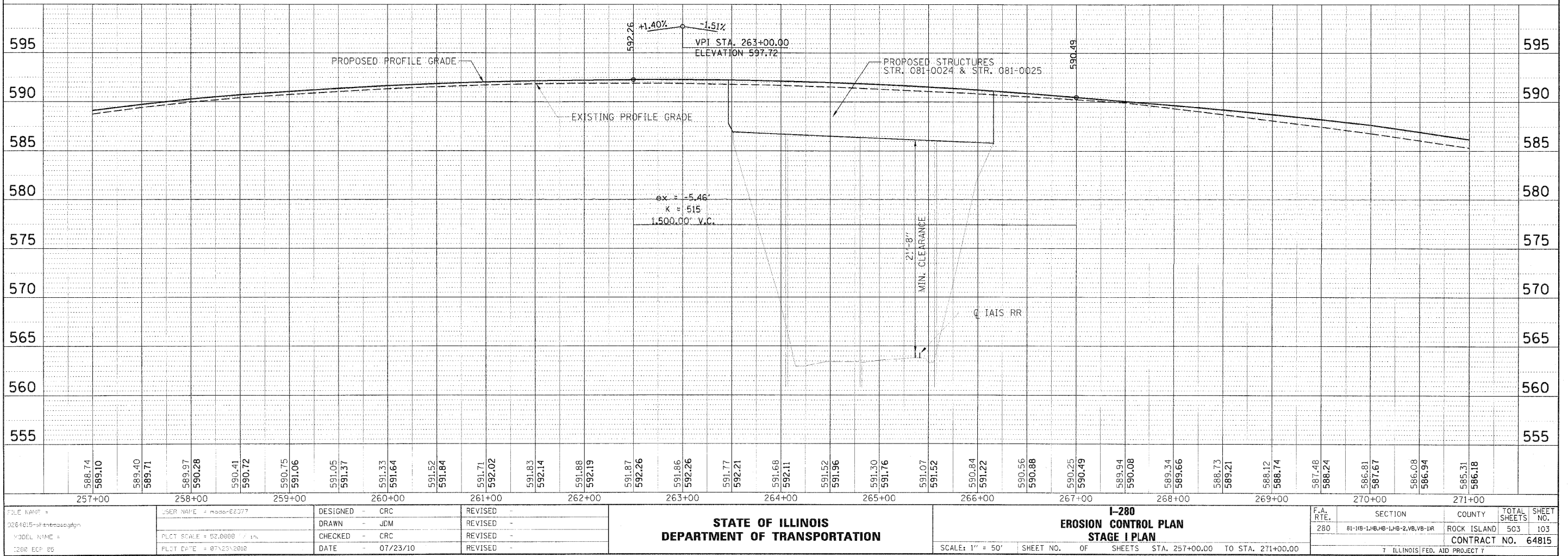
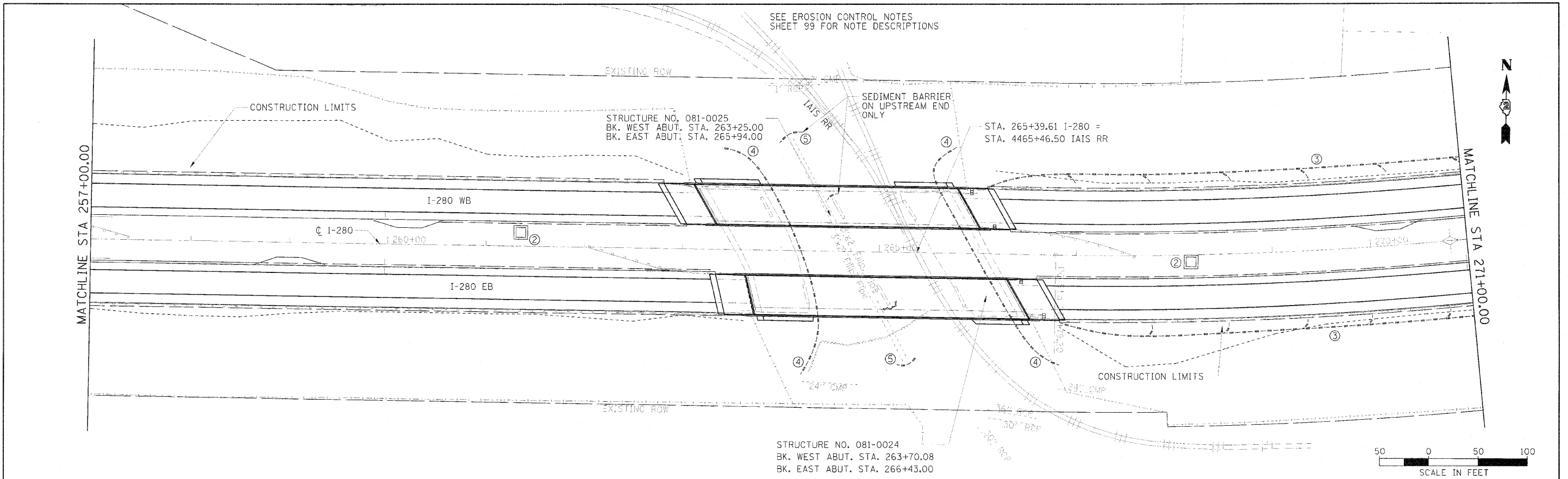
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2261815-shelbireadingsh		DRAWN - JDM	REVISED -							280	81-1B-1-HB-1-HB-2-VB-VB-1R	ROCK ISLAND	503	101
MODEL NAME =	PLOT SCALE = 50.0000' / 1"	CHECKED - CRC	REVISED -							CONTRACT NO. 64815				
1200 ECP 03	PLOT DATE = 07/23/2012	DATE - 07/23/10	REVISED -							T ILLINOIS FED. AID PROJECT 7				

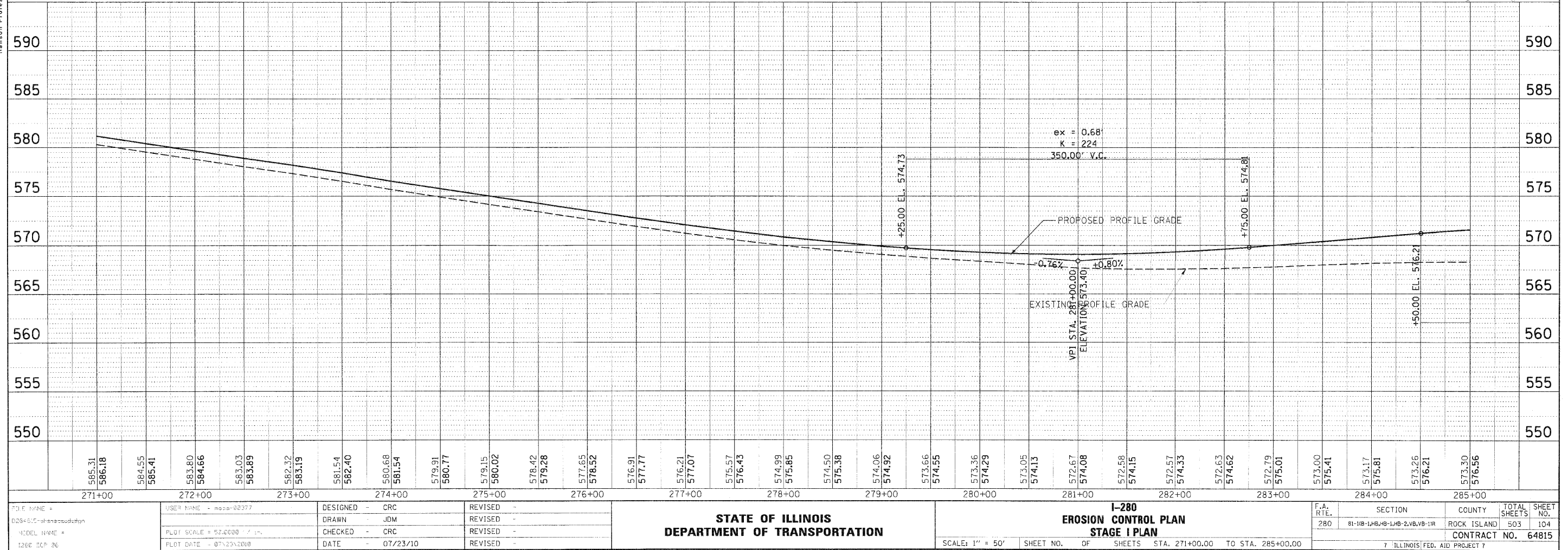
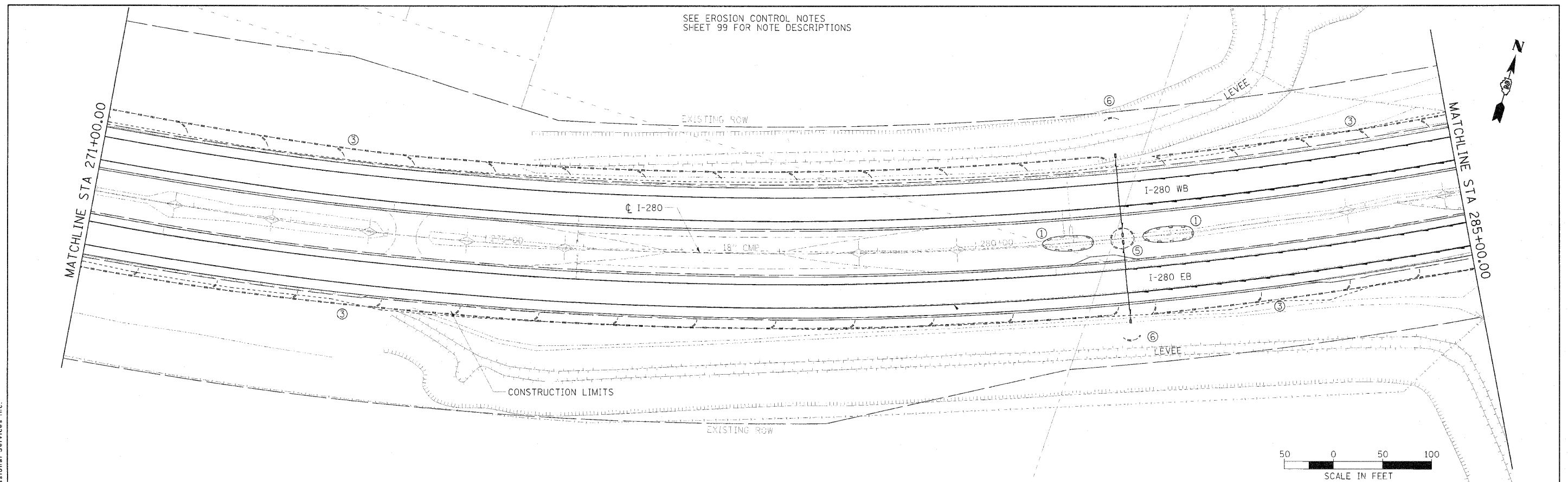


PLAN
DATE: 07/23/2010
PROJECT: I-280
SHEET: 103
DRAWN BY: JDM
CHECKED BY: CRC
DESIGNED BY: CRC
DATE: 07/23/2010

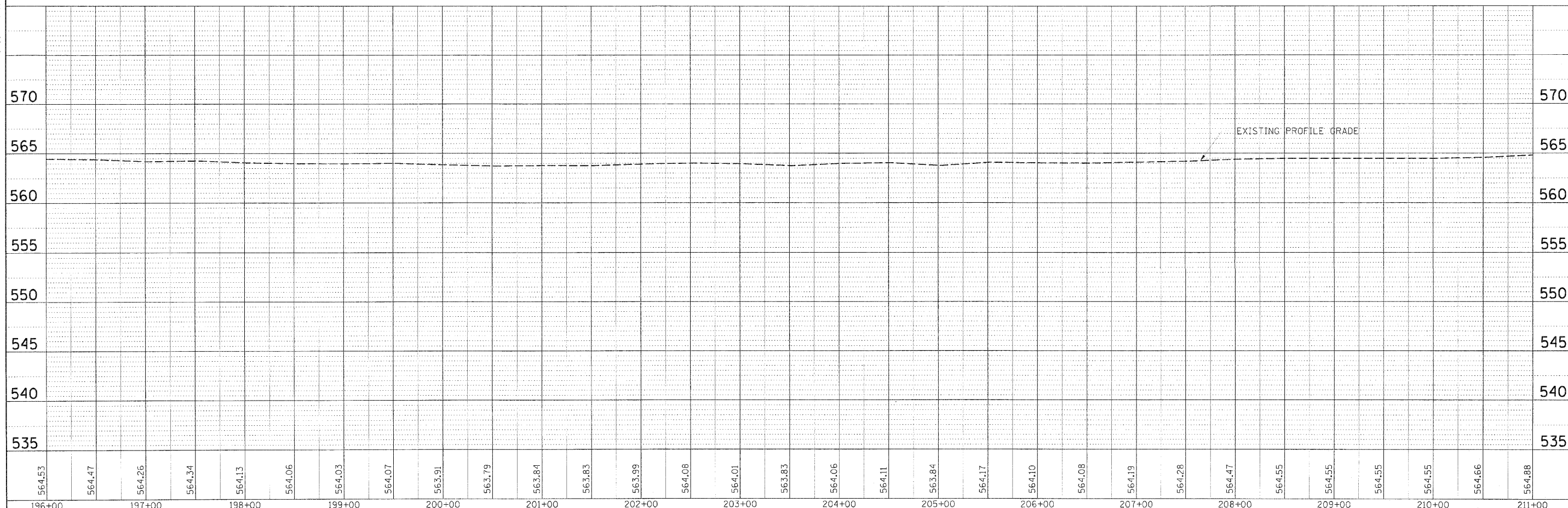


PROFILE
DATE: 07/23/2010
PROJECT: I-280
SHEET: 103
DRAWN BY: JDM
CHECKED BY: CRC
DESIGNED BY: CRC
DATE: 07/23/2010

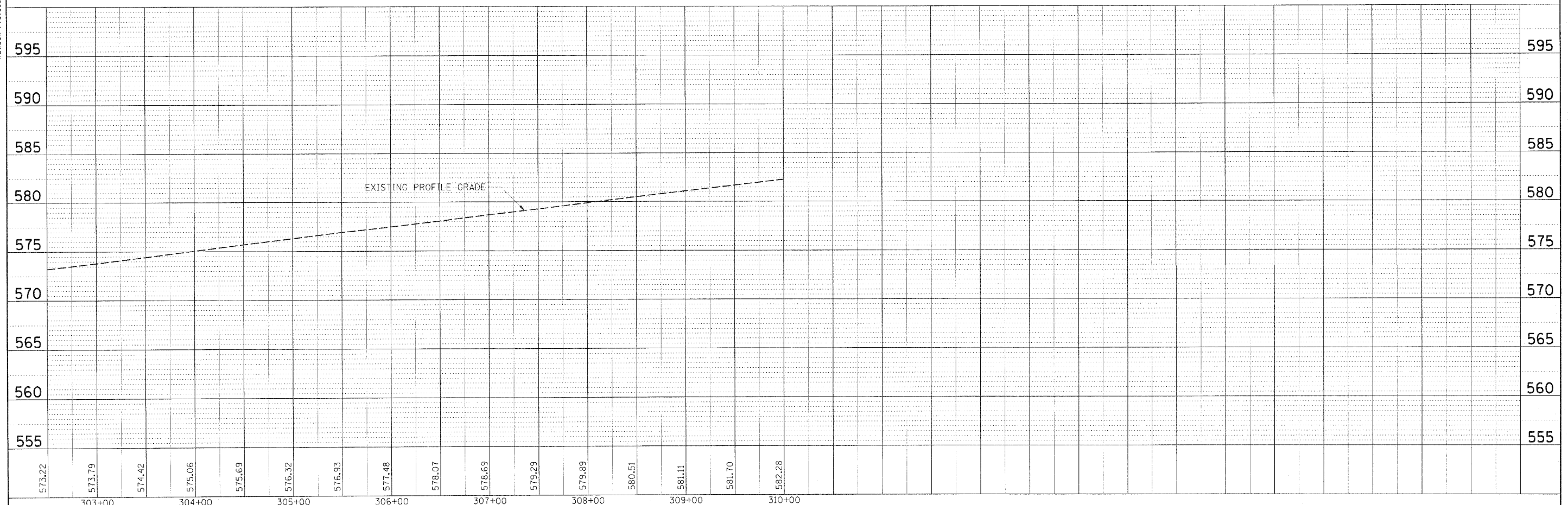
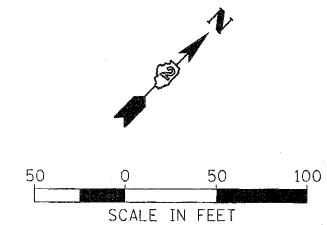




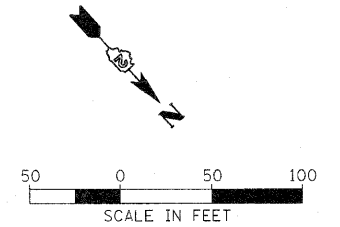
PROFILE		BY	DATE
SUBJECT:			
FLO' TO:			
GRADES CHECKED:			
P.M. NOTED:			
STRUCTURE NOTATIONS C/R/D:			
NO. _____			



FILE NAME =	USER NAME = madden20377	DESIGNED = CRC	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-280 EROSION CONTROL PLAN STAGE 1 PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
225415-ashburn20377		DRAWN = JDM	REVISED =		280	81-118-1,118-1,118-2,VB,VB-1R	ROCK ISLAND	503	106				
MODEL NAME =	PLOT SCALE = 50.0000' / 1"	CHECKED = CRC	REVISED =		CONTRACT NO. 64815								
2253 TP 2L	PLOT DATE = 27/22/2010	DATE = 07/23/10	REVISED =		7 ILLINOIS FED. AID PROJECT 7								
				SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 200+00.00 TO STA. 215+00.00					



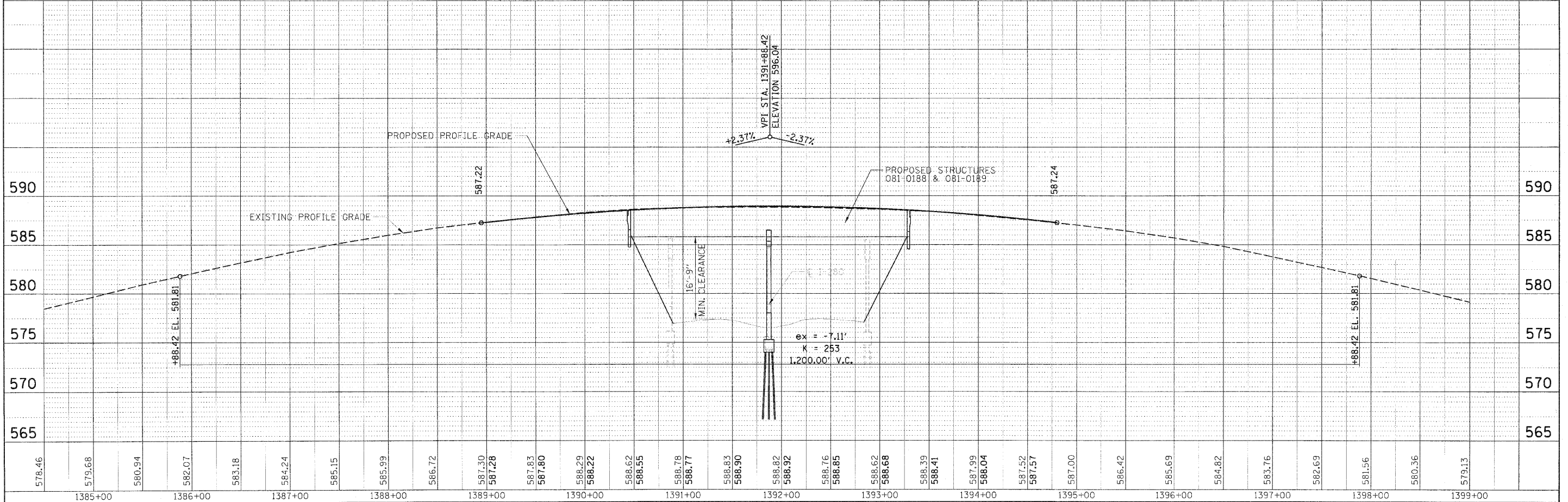
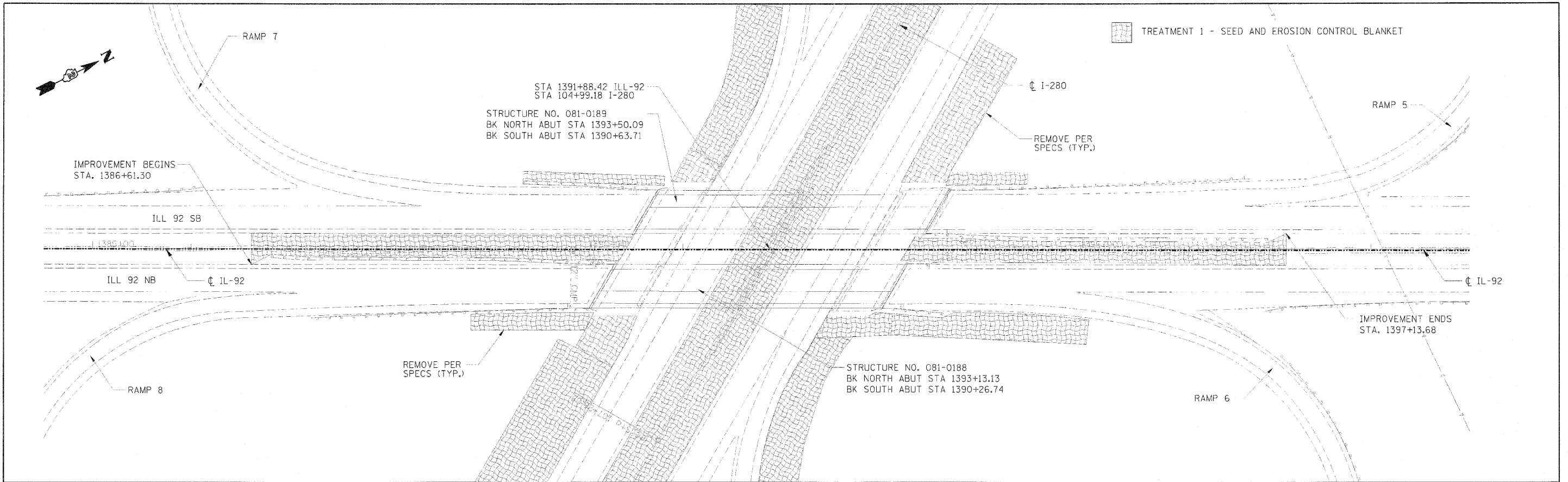
NO.	STRUCTURE NOTATIONS (HXD)	DATE
NOTE: EGON	COPIES CHECKED	BY
PLOTTED	SERIALIZED	
PROFILE		



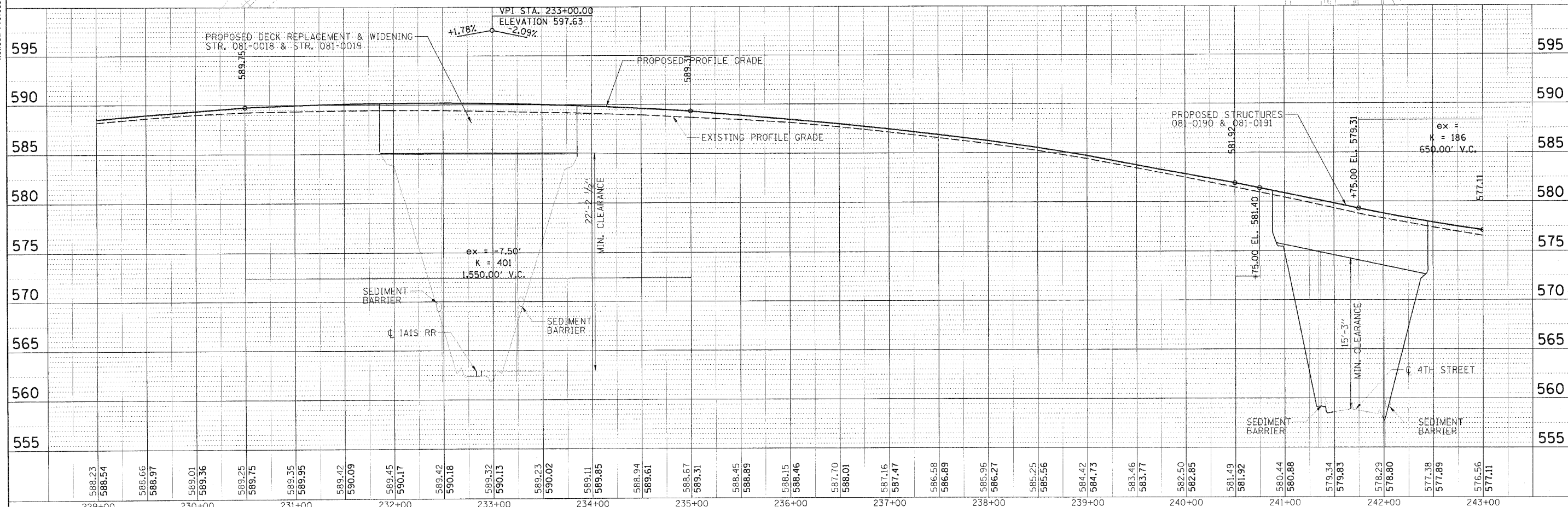
DATE	BY
DESIGNED	CRC
DRAWN	JDM
CHECKED	CRC
DATE	07/23/10



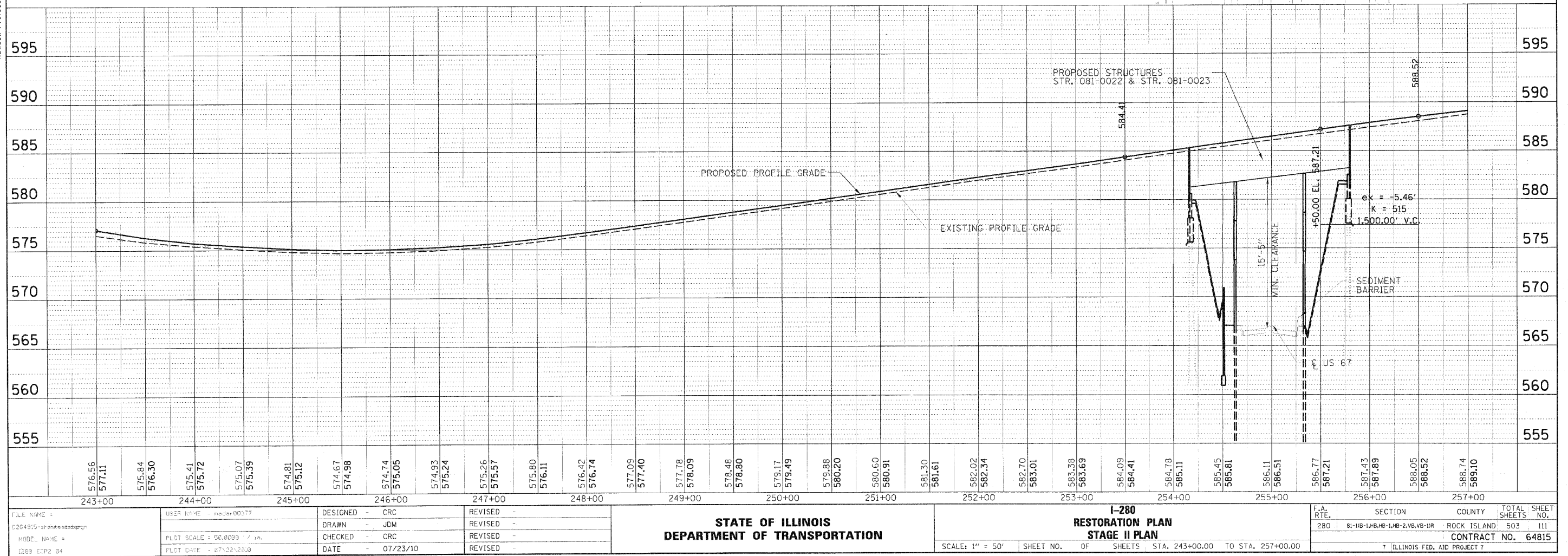
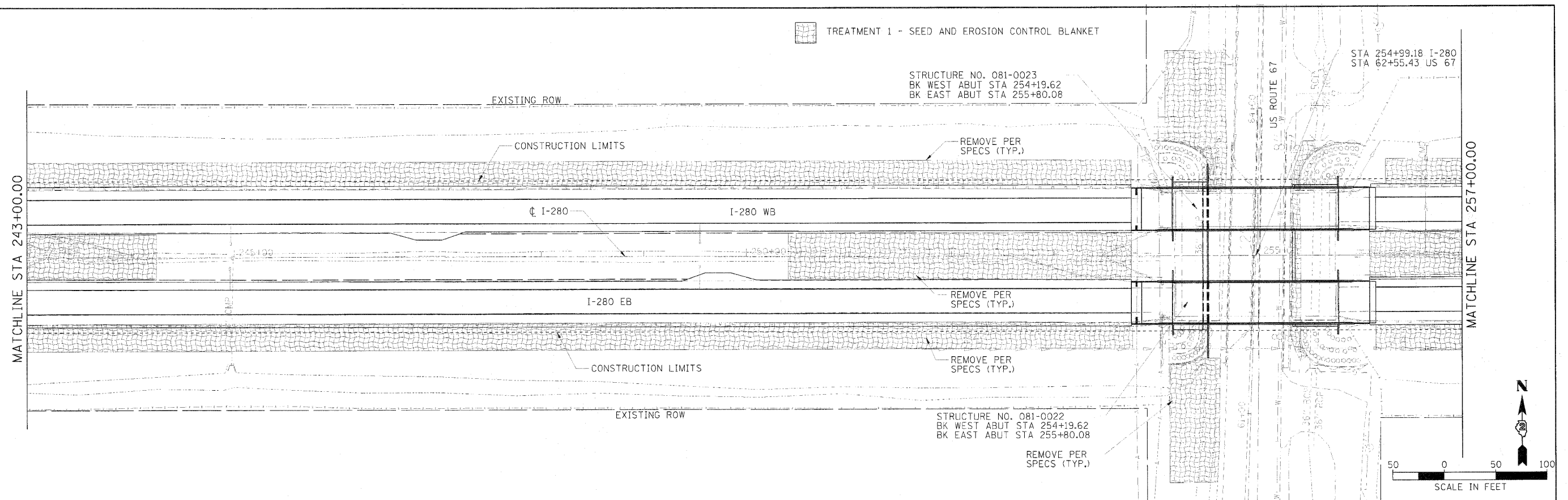
DATE	BY
DESIGNED	CRC
DRAWN	JDM
CHECKED	CRC
DATE	07/23/10



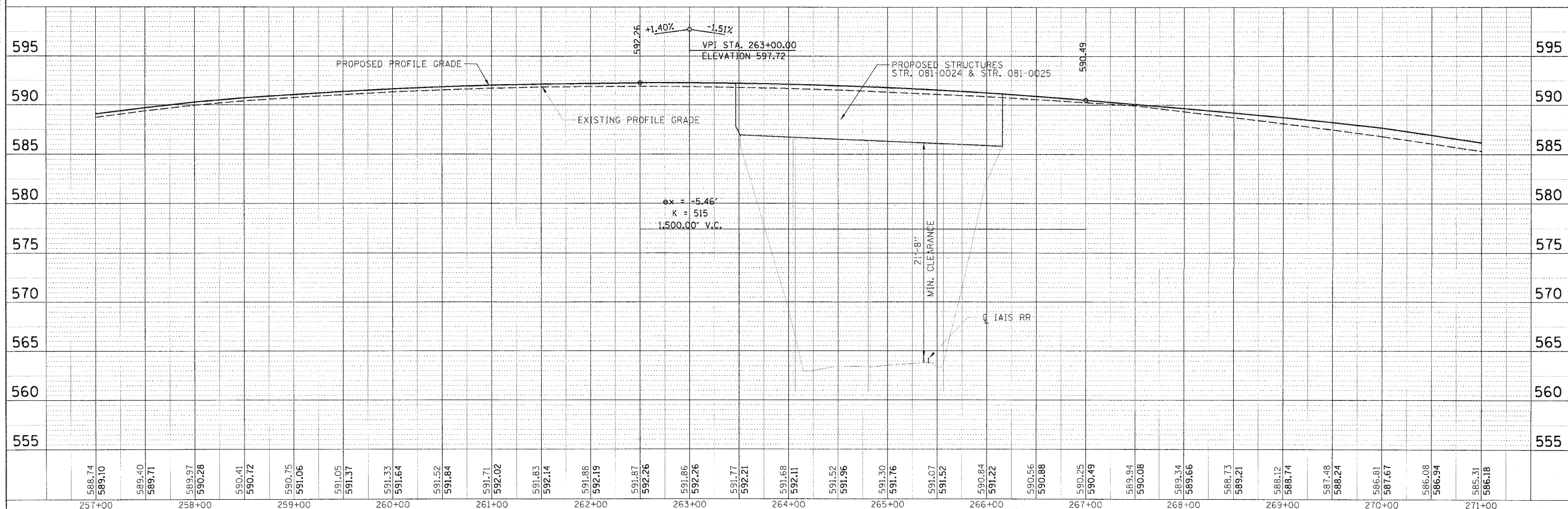
FILE NAME = D264910-shrtnroad.dgn MODEL NAME = IL 92 LUP2 02	USER NAME = mador-00377	DESIGNED - CRC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 92 RESTORATION PLAN STAGE II PLAN	SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. 1384+50.00 TO STA. 1399+00.00	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 52.8000' / 1" = 1'	DRAWN - JDM	REVISED -						81-118-1,118-2,118-3,118-4	ROCK ISLAND	503	109	
	PLOT DATE = 07/23/2010	CHECKED - CRC	REVISED -										
	DATE = 07/23/10	REVISED -											
CONTRACT NO. 64815 7 ILLINOIS FED. AID PROJECT 7													



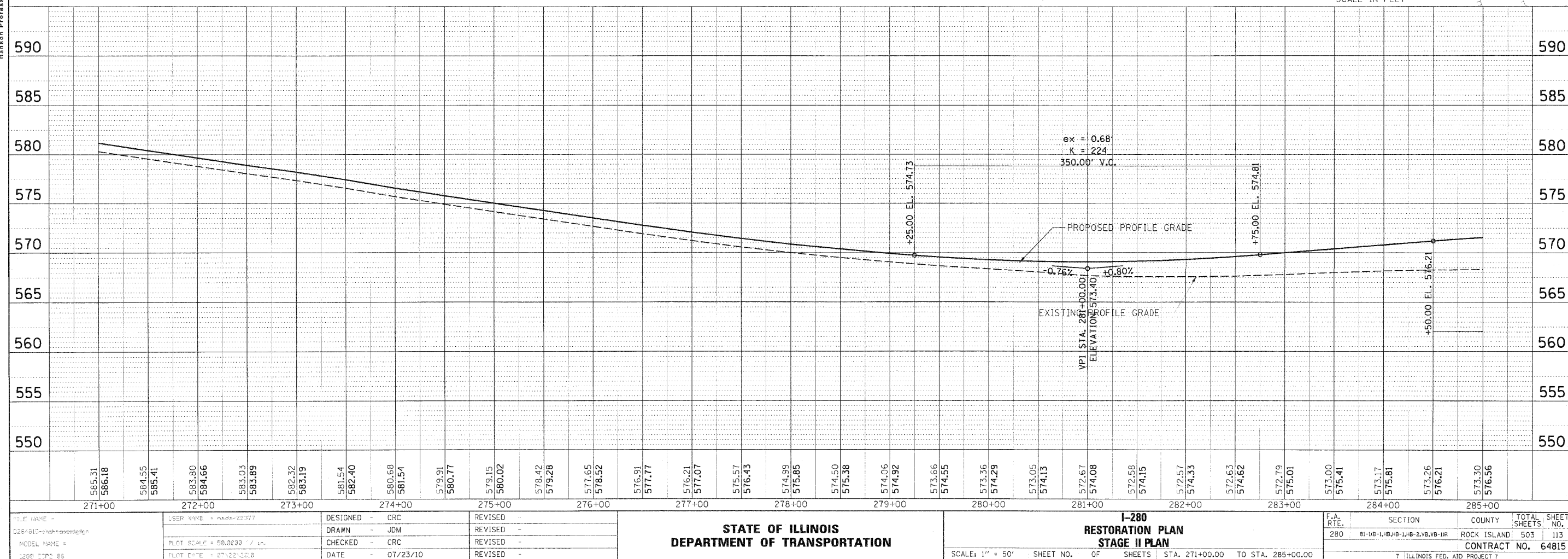
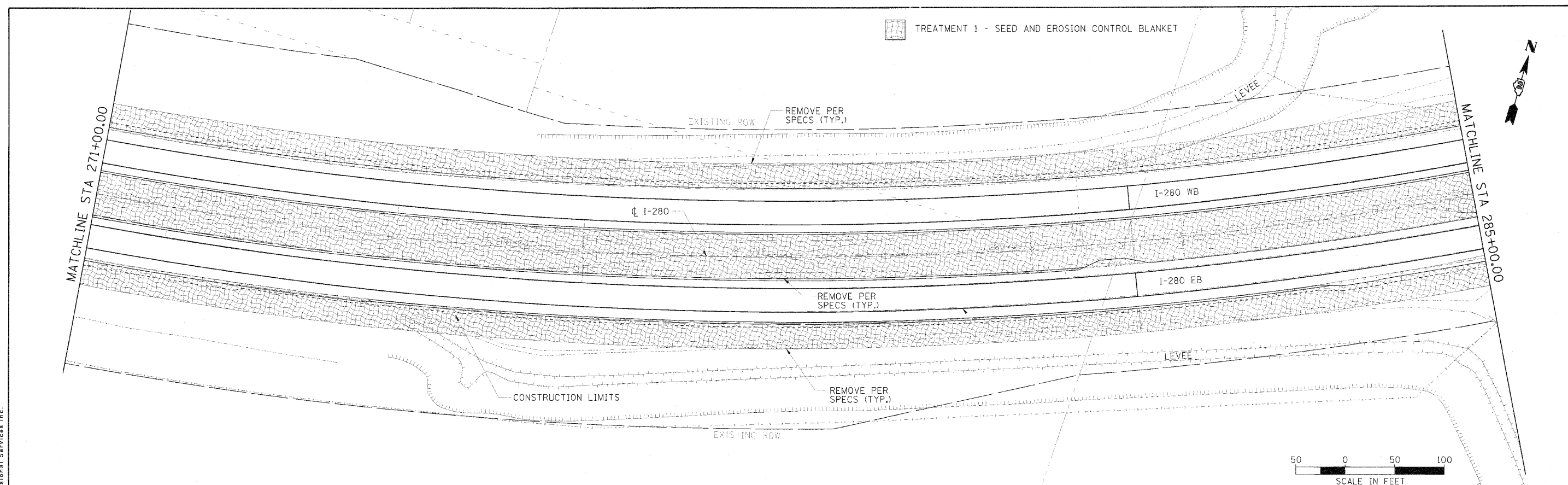
229+00	230+00	231+00	232+00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-280 RESTORATION PLAN STAGE II PLAN	SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 229+00.00	TO STA. 243+00.00	7	ILLINOIS FED. AID PROJECT 7	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NAME =	USER NAME = madd-22377	DESIGNED - CRC	REVISED -											280	81-108-1-108-1-108-2-VB-1-1R	ROCK ISLAND	503	110
1264015-shahmccosadgn		DRAWN - JDM	REVISED -											CONTRACT NO. 64815				
MODEL NAME =	PLOT SCALE = 50.0000' / in.	CHECKED - CRC	REVISED -															
1263-2012-03	PLOT DATE = 07/23/10	DATE = 07/23/10	REVISED -															



DATE	BY	REMARKS
		PROFILE
		SURVEY
		PLANT
		GRADES CHECKED
		BM. NOTED
		STRUCTURE NOTATIONS FINISHED

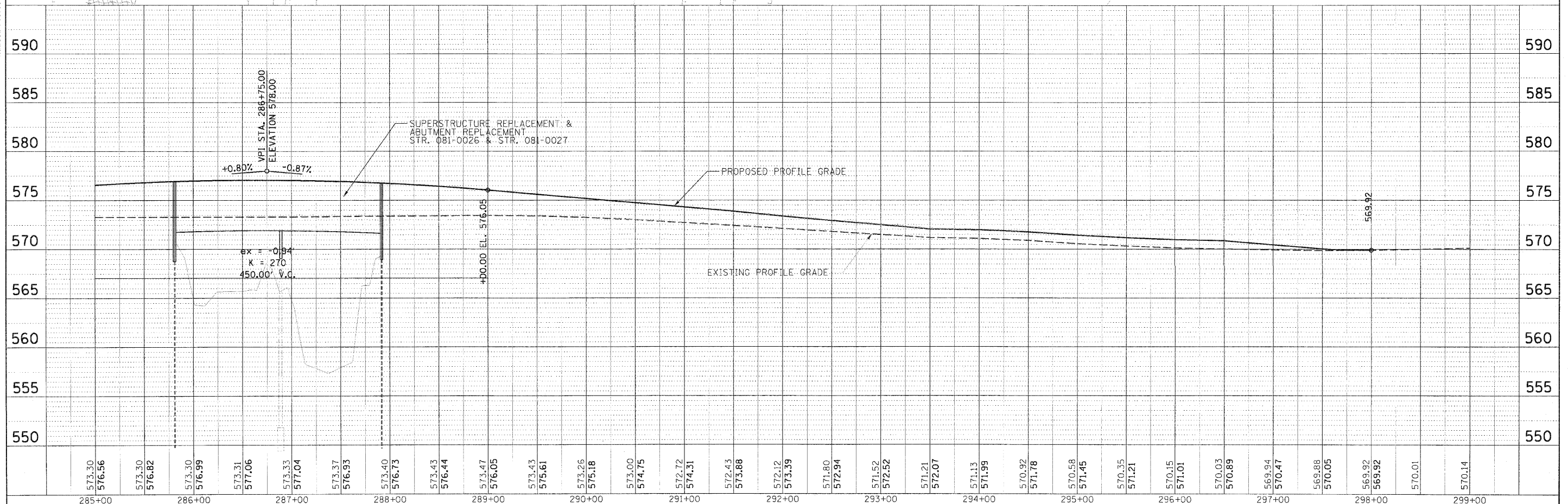
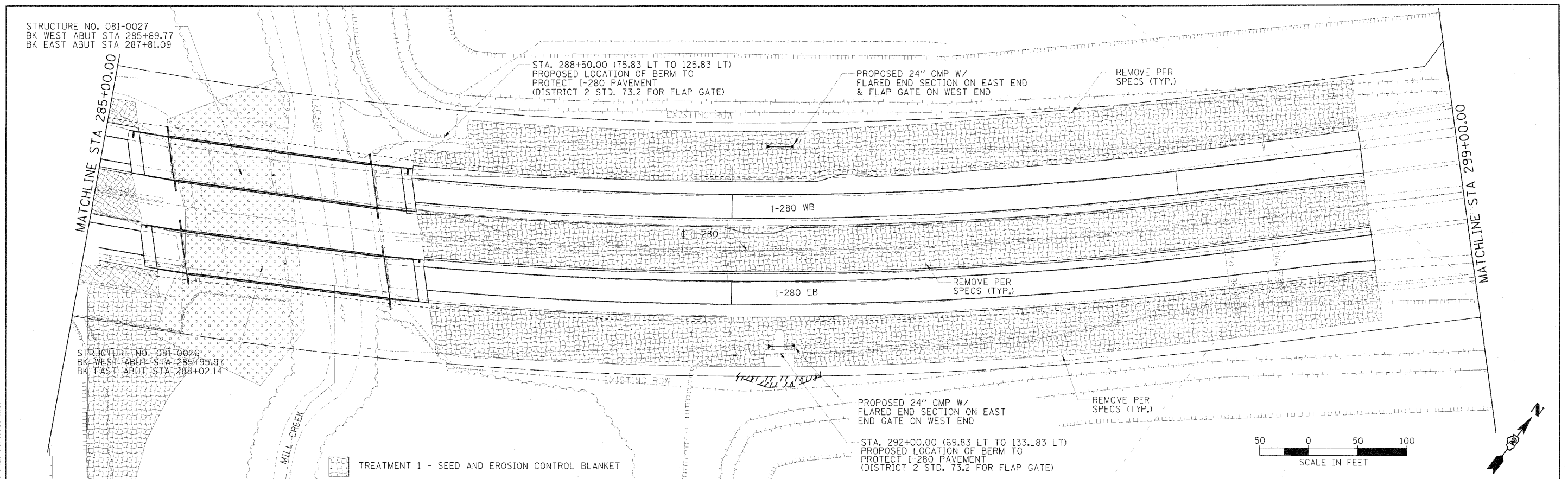


FILE NAME =	USER NAME = mador02377	DESIGNED = CRC	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-280 RESTORATION PLAN STAGE II PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5284315-shahs construction		DRAWN = JDM	REVISED =		280	81-1B-1, 1B, 1B-2, VB, VB-1R	ROCK ISLAND	503	112				
MODEL NAME =	PLOT SCALE = 50.0000' / 1" =	CHECKED = CRC	REVISED =		CONTRACT NO. 64815								
1280 ECP2 05	PLOT DATE = 07/23/10	DATE = 07/23/10	REVISED =		SCALE: 1" = 50'	SHEET NO.	OF SHEETS	STA. 257+00.00 TO STA. 271+00.00	7 ILLINOIS FED. AID PROJECT 7				



PLAN	STEWART	BY	DATE
HUFF BOOK	PUTTING		
ALUMINUM SHEET			
GT. OF WAY CHECKED			
CAUD FILE NAME			

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[illegible]

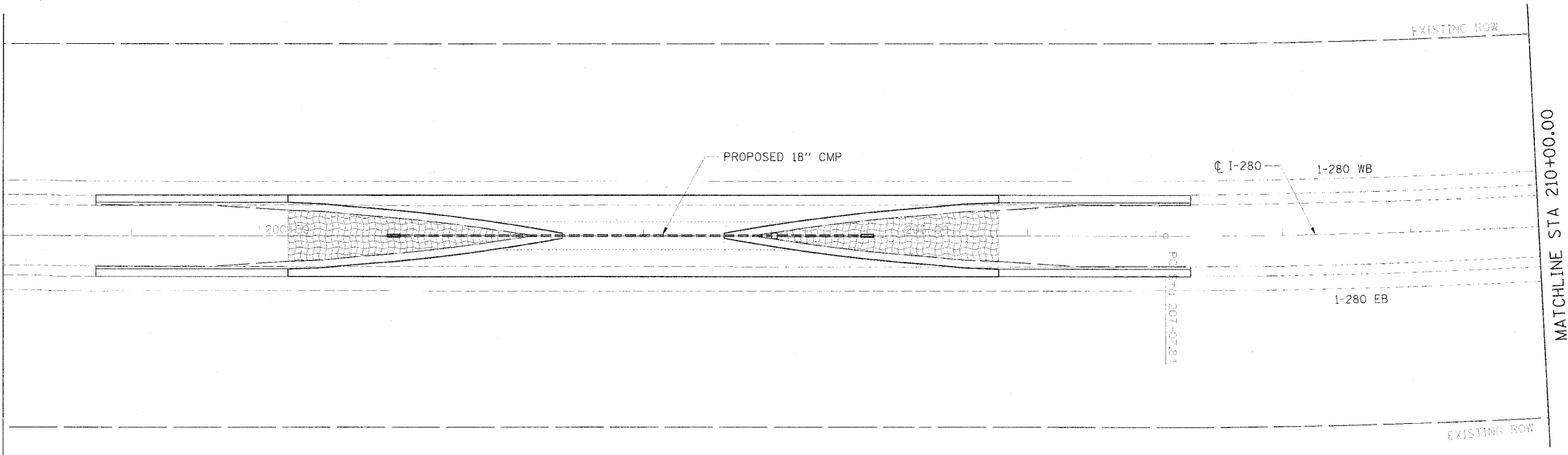
FILE NAME *	USER NAME = mcor-00377	DESIGNED - CRC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-280 RESTORATION PLAN STAGE II PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C2642US-shabierstdp.dgn		DRAWN - JDM	REVISED -		280	81-1B-1,1B-1,1B-2,1B-3,1B-4	ROCK ISLAND	503	114				
MODEL NAME =	PLOT SCALE = 50:800' / in.	CHECKED - CRC	REVISED -		CONTRACT NO. 64815								
1288 SCD 07	PLOT DATE = 07/23/10	DATE - 07/23/10	REVISED -		SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 285+00.00 TO STA. 299+00.00	7 ILLINOIS FED. AID PROJECT 7			

PLAN
DESIGNED BY
CHECKED BY
DATE
NOTE BOOK NO.
DRAWN BY
DATE

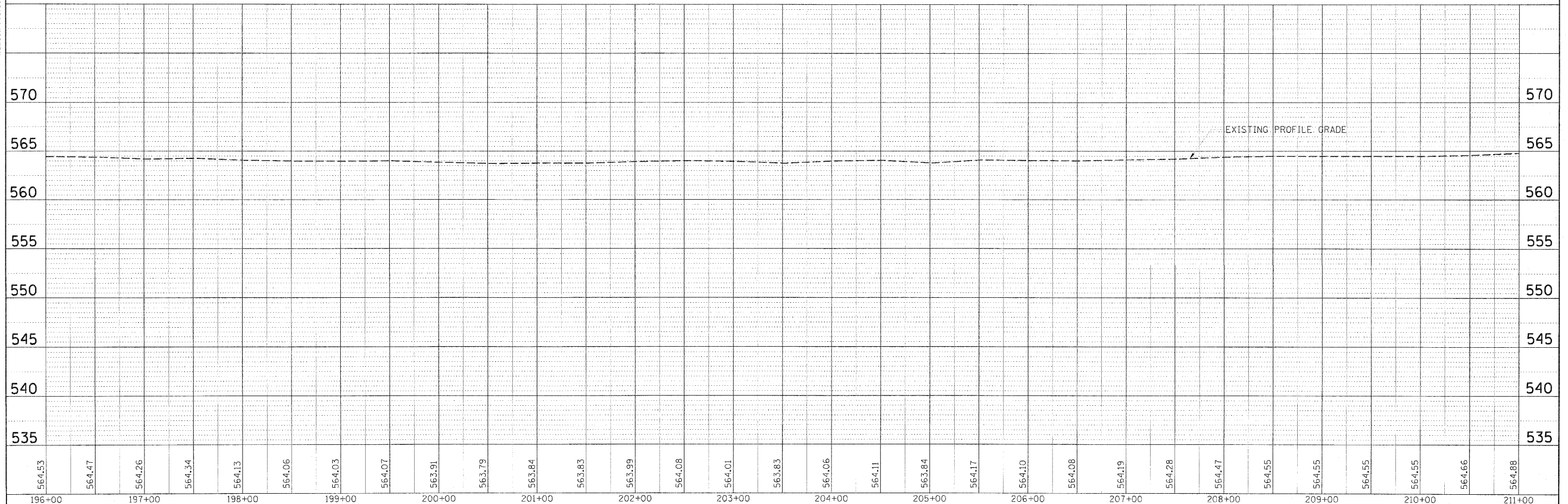
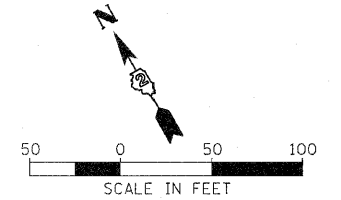


PROFILE
DESIGNED BY
CHECKED BY
DATE
NOTE BOOK NO.
DRAWN BY
DATE

MATCHLINE STA 198+00.00



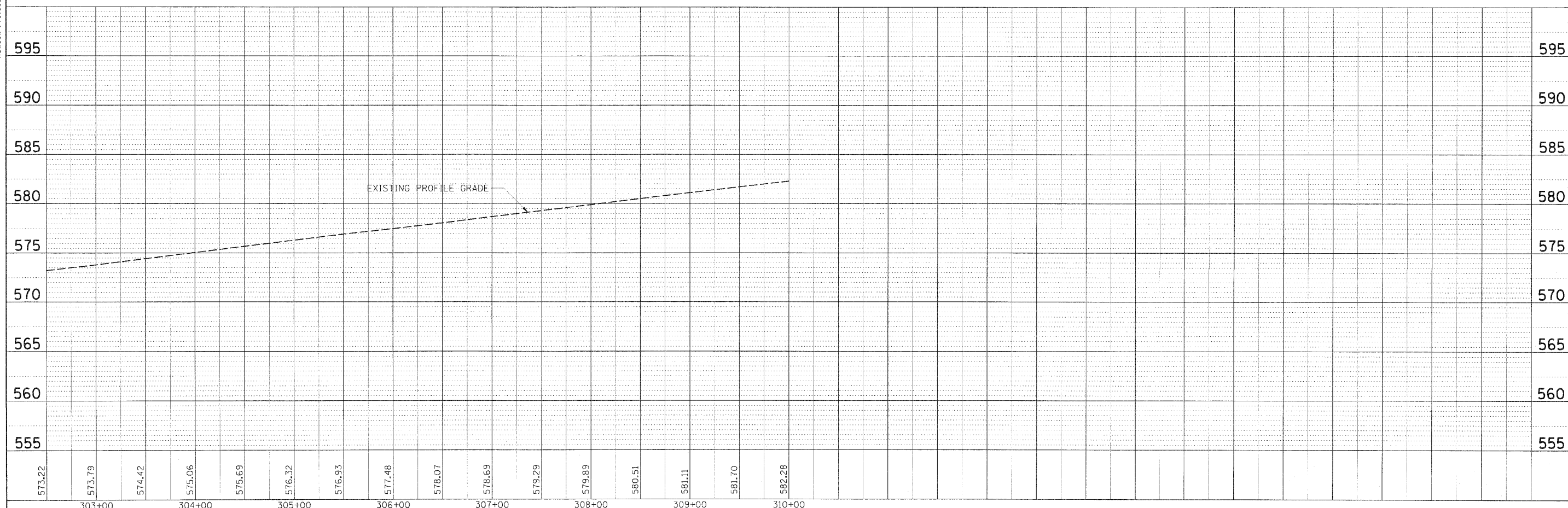
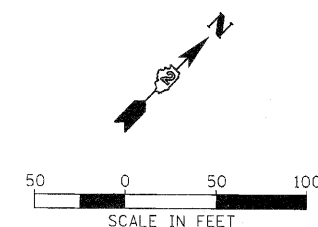
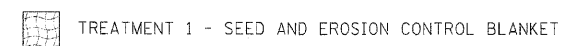
TREATMENT 1 - SEED AND EROSION CONTROL BLANKET



FILE NAME =	USER NAME = mada06377	DESIGNED - CRC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				I-280 RESTORATION PLAN STAGE I PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MODEL NAME =	FLCT SCALE = 50.0000 1/2 in.	DRAWN - JDM	REVISED -									280	81-108-1-1-HB-1-HB-2-VB-1-1R	ROCK ISLAND	503	115
DATE = 07/23/10	PLOT DATE = 07/23/10	CHECKED - CRC	REVISED -									CONTRACT NO. 64815				
		DATE = 07/23/10	REVISED -									7 ILLINOIS FED. AID PROJECT 7				

SCALE: 1" = 50'

SHEET NO. OF SHEETS STA. 200+00.00 TO STA. 215+00.00

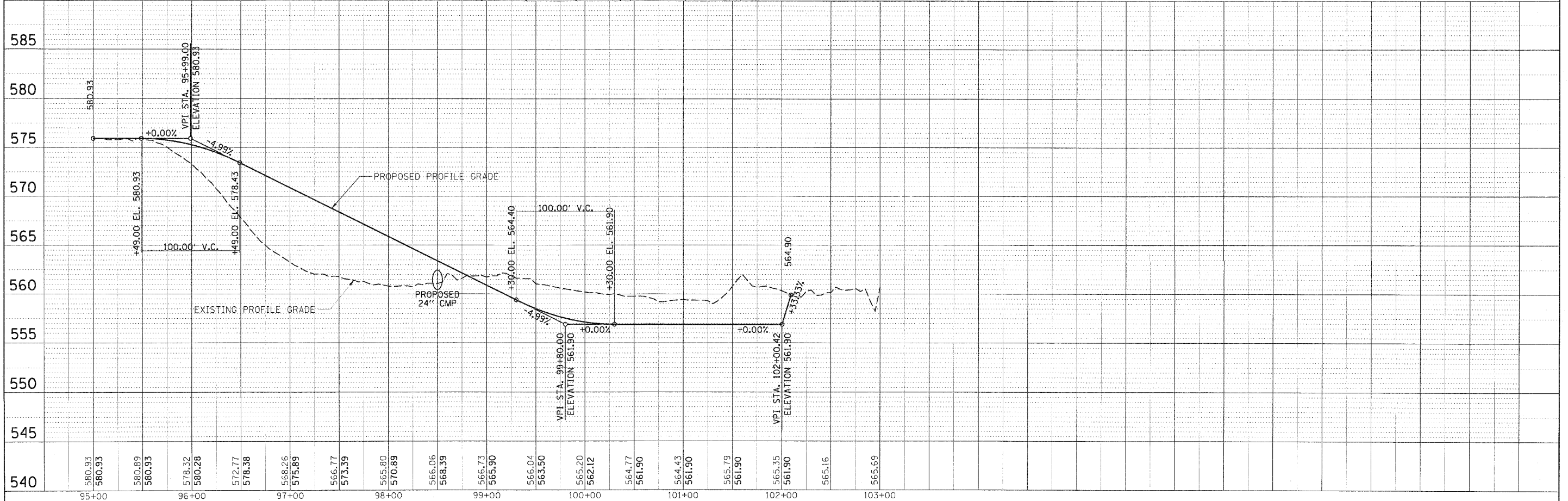
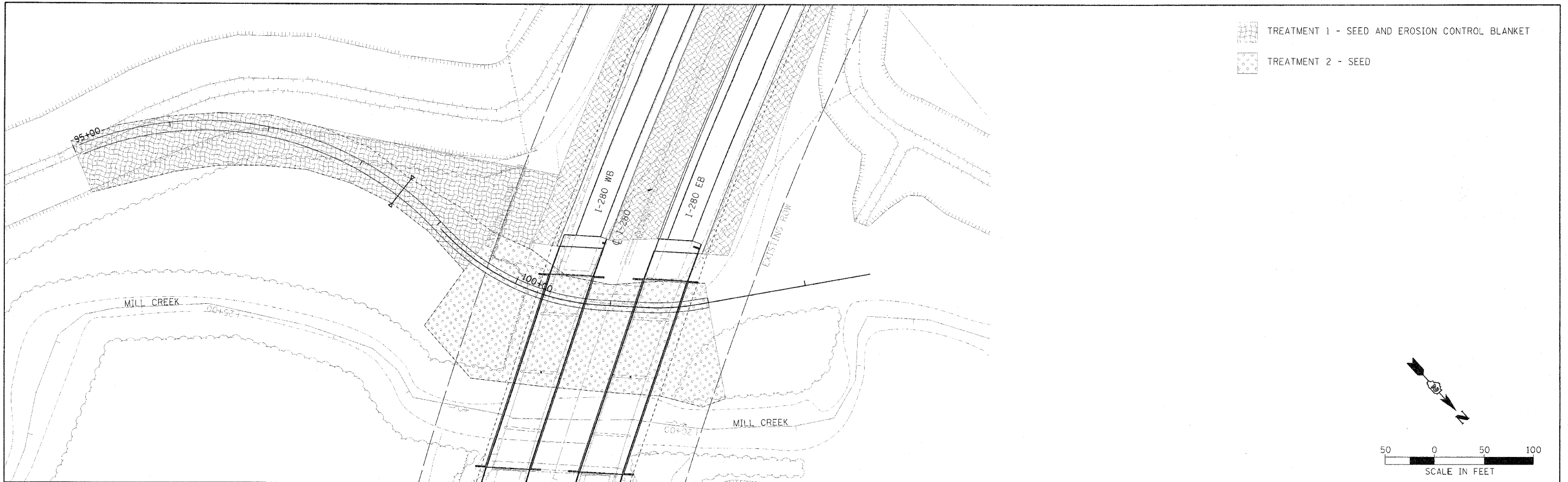


FILE NAME =	USER NAME = mader00377	DESIGNED - CRC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-280 RESTORATION PLAN STAGE I PLAN				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2264015-shinheonshighway		DRAWN - JDM	REVISED -		280	61-10B-1, 10B-1, 10B-2, 10B-1R	ROCK ISLAND	503	116				
MODEL NAME =		CHECKED - CRC	REVISED -		CONTRACT NO. 64815								
1203 NF 20		DATE - 07/23/10	REVISED -		7 ILLINOIS FED. AID PROJECT 7								
					SCALE: 1" = 50'	SHEET NO.	OF SHEETS	STA. 299+00.00 TO STA. 313+00.00					

PLAN
DATE: _____ BY: _____
PROJECT: _____
SHEET: _____ OF _____
DRAWN BY: _____
CHECKED BY: _____
DATE: _____

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Hanson Professional Services Inc.

PROFILE
DATE: _____ BY: _____
PROJECT: _____
SHEET: _____ OF _____
DRAWN BY: _____
CHECKED BY: _____
DATE: _____



FILE NAME = 2008-01-28-hs-hs-bike-path-restoration.dgn	USER NAME = mador-00377	DESIGNED - CRC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				MILL CREEK BIKE PATH RESTORATION PATH				F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PROJECT NAME = Bike Path	PLOT SCALE = 30.0000' / 1"	DRAWN - JDM	REVISED -									280	81-1(B)-1(HB)-1(HB)-2(VB)-1(R)	ROCK ISLAND	503	117
	PLOT DATE = 07/23/10	CHECKED - CRC	REVISED -													CONTRACT NO. 64815
		DATE - 07/23/10	REVISED -													7 ILLINOIS FED. AID PROJECT 7

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. 95+00 TO STA. 102+12

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	INDEX OF SHEETS AND TOTAL BILL OF MATERIALS
2-3	SIGN REMOVAL PLAN AND SIGN REPLACEMENT
4	SIGN PANEL DETAILS

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

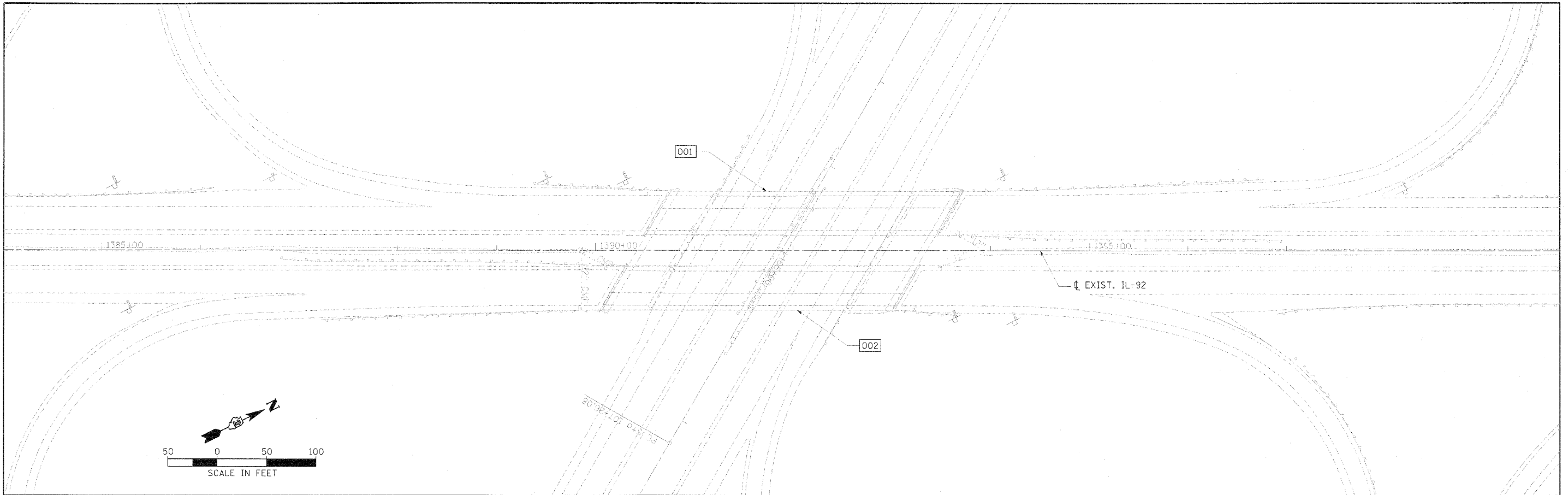
STD. NUMBER	DESCRIPTION
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720011	METAL POST FOR SIGNS, MARKERS & DELINEATORS
720021-02	SIGN PANELS EXTRUDED ALUMINUM TYPE
729001	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

BILL OF MATERIALS

TOTAL BILL OF MATERIALS (FOR INFORMATION ONLY)					
DESCRIPTION	UNIT	TOTAL QUANTITY	REGULATORY AND WARNING SIGNS	GROUND MOUNTED SIGNS	BRIDGE MOUNTED SIGNS
SIGN PANEL - TYPE 2	SQ FT	32.00	32.00	0	0
SIGN PANEL - TYPE 3	SQ FT	547.50	0.00	196.00	351.50
STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	2,137.50	0.00	2,137.50	0.00
Wood Sign Support	Foot	40.0	40.0	0.00	0.00
CONCRETE FOUNDATIONS	CU YD	4.18		4.18	0.00
REINFORCEMENT BARS	POUND	244.0		244.00	0.00

BILL OF MATERIALS – REMOVAL

SIGN REMOVAL NUMBER	ALIGNMENT NAME	STATION	LOCATION (LEFT, RIGHT, MEDIAN, STRUCTURE)	PANEL WIDTH FEET	PANEL HEIGHT FEET	SIGN AREA SQ FT	POST MATERIAL	REMOVE SIGN PANEL TYPE 2 SQ FT	REMOVE SIGN PANEL TYPE 3 SQ FT	REMARKS
001	I-280	104+58.17	STRUCTURE	19	9.5	180.50			180.50	IL-92 EAST - ROCK ISLAND
002	I-280	105+40.28	STRUCTURE	18	9.5	171.00			171.00	IL-92 WEST - ANDALUSIA
003	I-280	284+02.59	RT	14	14	196.00	Steel		196.00	EXIT 15 - AIRPORT RD -MILAN - US 67
004	I-280	289+31.89	LT	2.5	3	7.50	Steel	7.50		SPEED LIMIT 65 - MIN 45



NOTES

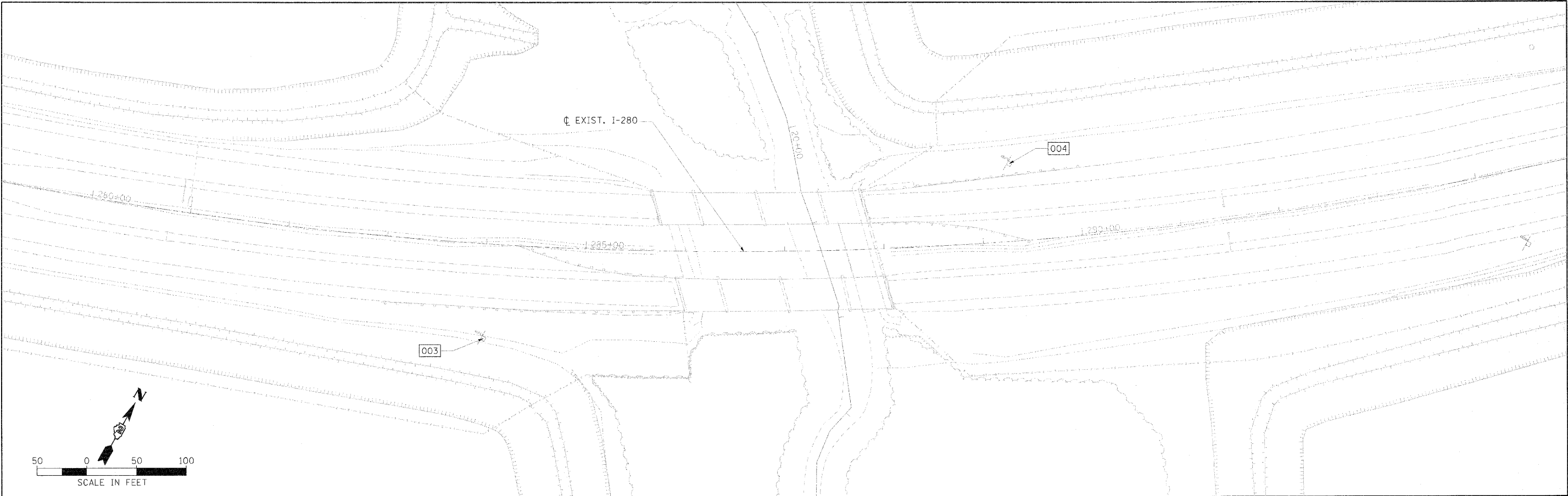
1. THIS PLAN IS FOR SIGN REMOVALS ONLY.
2. REMOVAL OF THE EXISTING GROUND MOUNTED SIGN STRUCTURES AND FOUNDATIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVE GROUND-MOUNTED SIGN SUPPORT AND REMOVE CONCRETE FOUNDATION-GROUND MOUNT, RESPECTIVELY.

REMOVAL OF THE EXISTING GROUND MOUNTED SIGN PANELS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ. FT. FOR REMOVE SIGN PANEL OF THE TYPE SPECIFIED.

REMOVAL OF THE EXISTING SIGN PANELS ON WOOD SUPPORTS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVE SIGN PANEL ASSEMBLY OF THE TYPE SPECIFIED, REGARDLESS OF THE SIGN PANEL SIZE.
3. THE CONTRACTOR SHALL REMOVE EXISTING BUSINESS LOGO AND HERITAGE CORRIDOR PANELS AND RETURN TO THE ENGINEER. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE REMOVAL OF THE MAIN SIGN.
4. BUSINESS LOGO SIGNS NEED TO BE ERECTED ON A TEMPORARY SIGN PANEL DURING CONSTRUCTION.

LAYOUT	DAP	07/17/18
DRAWN	DAP	07/16/20
REVIEWED	DES	07/23/10

FILE NAME =	USER NAME = mader00377	DESIGNED = JDW	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLANS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
026491E-ent-sign02.dgn		DRAWN = DAP	REVISED =			280	81-11B-1-1B, 11B-2-1B, 11B-11R	ROCK ISLAND	503	119
MODEL NAME =	PLOT SCALE = 50.0000' / 1"	CHECKED = DES	REVISED =			CONTRACT NO. 64815				
Signing_02	PLOT DATE = 27/26/2018	DATE = 07/23/10	REVISED =							
						SCALE:	SHEET NO.	OF	SHEETS	STA.
						FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 7				

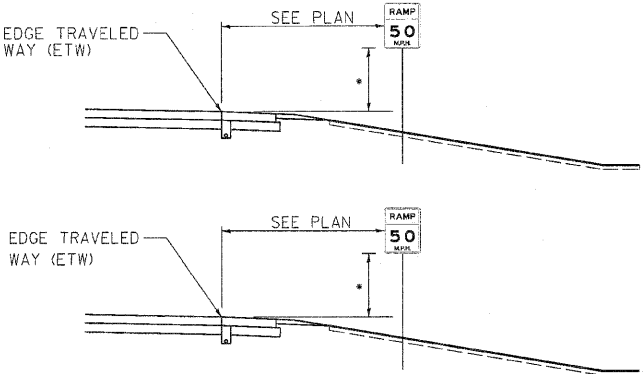


NOTES

1. THIS PLAN IS FOR SIGN REMOVALS ONLY.
2. REMOVAL OF THE EXISTING GROUND MOUNTED SIGN STRUCTURES AND FOUNDATIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVE GROUND-MOUNTED SIGN SUPPORT AND REMOVE CONCRETE FOUNDATION-GROUND MOUNT, RESPECTIVELY.

REMOVAL OF THE EXISTING GROUND MOUNTED SIGN PANELS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ. FT. FOR REMOVE SIGN PANEL OF THE TYPE SPECIFIED.

REMOVAL OF THE EXISTING SIGN PANELS ON WOOD SUPPORTS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVE SIGN PANEL ASSEMBLY OF THE TYPE SPECIFIED, REGARDLESS OF THE SIGN PANEL SIZE.
3. THE CONTRACTOR SHALL REMOVE EXISTING BUSINESS LOGO AND HERITAGE CORRIDOR PANELS AND RETURN TO THE ENGINEER. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE REMOVAL OF THE MAIN SIGN.
4. BUSINESS LOGO SIGNS NEED TO BE ERECTED ON A TEMPORARY SIGN PANEL DURING CONSTRUCTION.



* SEE PLAN (ETW + 4', ETW + 5', ETW + 7')

TYPICAL GROUND MOUNTED SIGN INSTALLATION

1. ALL SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE CURRENT ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. THE CONTRACTOR SHALL VERIFY ALL POST LENGTHS REQUIRED PRIOR TO ORDERING.
3. PROVIDE 12"x12" SQUARE BLOCKOUTS FOR SIGNS LOCATED IN ISLANDS OR MEDIANS.

DESIGNED	DAP	07/23/10
DRAWN	DAP	07/26/10
CHECKED	DES	07/23/10
REVIEWED	DES	07/23/10

FILE NAME =	USER NAME = mster20377	DESIGNED = JDW	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLANS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D251615-signing03.dgn		DRAWN = DAP	REVISED =			280	81-118-1-1/8-1-1/8-2-1/8-1-1/8	ROCK ISLAND	503	120
MODEL NAME =	PLCT SCALE = 50,0000 1" =	CHECKED = DES	REVISED =			CONTRACT NO. 64815				
Signing-03	PLCT DATE = 07/26/2010	DATE = 07/23/10	REVISED =			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 7	

FILE NAME =	JOB NAME = 00J07377	DESIGNED - JDW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLANS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
D284015-01-01.dwg		DRAWN - DAP	REVISED -			280	81-B-1H,B-1H-B-2,VB-VB-1R	ROCK ISLAND	503	121	
MODEL NAME =	PLOT SCALE = 50.0000' = 1"	CHECKED - DES	REVISED -			CONTRACT NO. 64815					
Scale=1/8"=1'	PLOT DATE = 07/23/10	DATE - 07/23/10	REVISED -								
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
						FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 7					

BILL OF MATERIALS

Bridge Patching and Overlay

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
20400800	FURNISHED EXCAVATION	CU YD	100
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	2.27
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2346.6
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	813.7
50157300	PROTECTIVE SHIELD	SQ YD	835
50300225	CONCRETE STRUCTURES	CU YD	4.9
50300300	PROTECTIVE COAT	SQ YD	21
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	540
60260100	INLETS TO BE ADJUSTED	EACH	6
66101150	HOT-MIX ASPHALT SHOULDER CURB	FOOT	75
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2583.8
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	77644.4
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	5625
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	6388.8
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2312.5
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	4625
70500100	TEMPORARY STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1437.5
70500665	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	5
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	5
78300100	PAVEMENT MARKING REMOVAL	SQ FT	2163.8
X7050167	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	5
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	133
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	69
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	677
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	5
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	5

SCHEDULES FOR NON-STRUCTURE ITEMS LOCATED IN PRE-STAGE PLAN SHEETS 54 - 63.

MILL CREEK PIER REMOVAL USES 347 SQ.YD. "PROTECTIVE SHIELD"

General Notes

Bridge Patching and Overlay

Reflector Markers Type C shall be installed on the top and face of bridge parapet walls. The markers shall be according to Standard 635011 and the color and spacing according to Standard 635006, except their shall be 4 markers installed per parapet wall at equal spacing. Cost shall be included in the cost of "TEMPORARY CONCRETE BARRIER".

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123.

The objective of this preliminary work is to patch (Partial Depth) the concrete wearing surfaces of the bridge decks then add an HMA overlay. Deck Slab Repair (Full Depth) is only included as a contingency item to be used should a full depth failure develop during this contract.

See the 'MAINTENANCE OF TRAFFIC, PRE-STAGE PLAN' sheets for applicable traffic control and quantities.

BRIDGE PATCHING, BRIDGE OVERLAY, AND MEDIAN CROSS-OVER WORK TO BE DONE CONCURRENTLY.

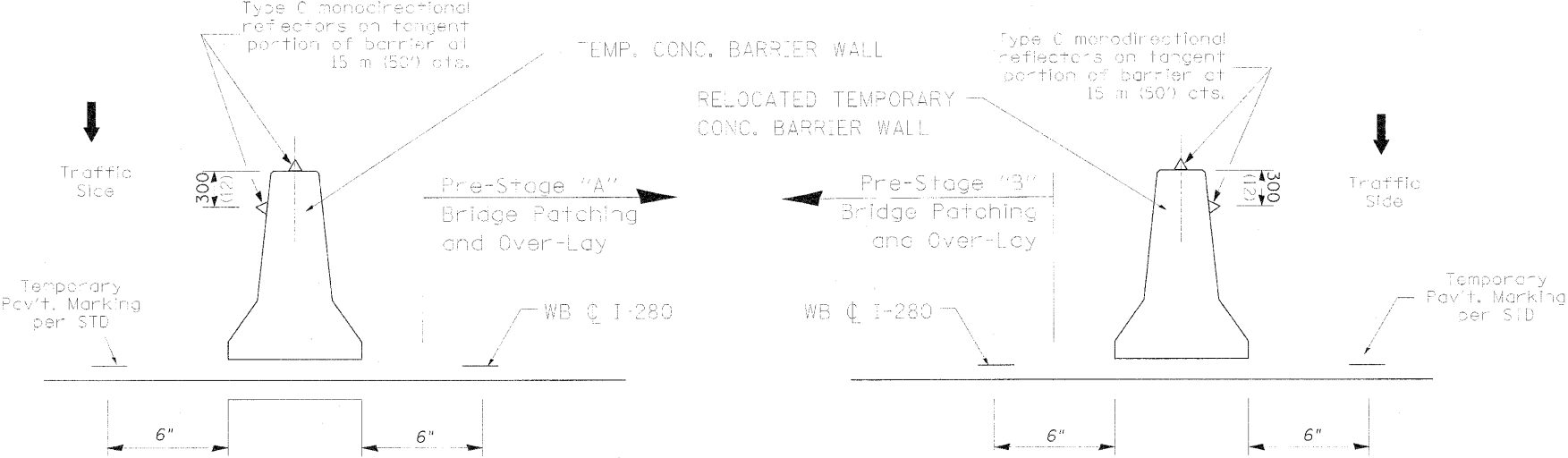
CONTRACTOR REQUESTED CHANGES TO THE "PRE-STAGING" TRAFFIC CONTROL, IF APPROVED BY THE DEPARTMENT, SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL ITEMS SHOWN ON "MAINTENANCE OF TRAFFIC, PRE-STAGE PLAN" SHEETS.

• 81-1(B)-1, HB, HB-1, HB-2, VB, VB-1(R)

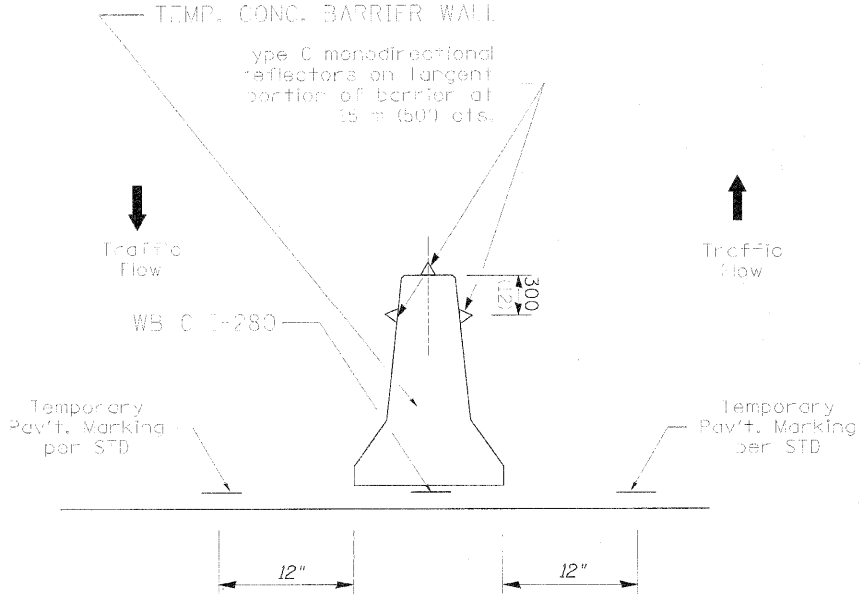
FILE NAME =	USER NAME = condemnee	DESIGNED - ____	REVISED - ____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE PATCHING SUMMARY OF QUANTITIES AND GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p\ridot\condemnee\d0179717\	c204502.br-patch-shd.dgn	DRAWN - ____	REVISED - ____			280	.	ROCK ISLAND		122
	PLOT SCALE = 50.0000' / 1" IN.	CHECKED - ____	REVISED - ____			CONTRACT NO. 64815				
	PLOT DATE = Tue Sep 07 10:21:21 2010	DATE - ____	REVISED - ____			ILLINOIS FED. AID PROJECT				
SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____										

Temporary Concrete Barrier

STANDARD 701402



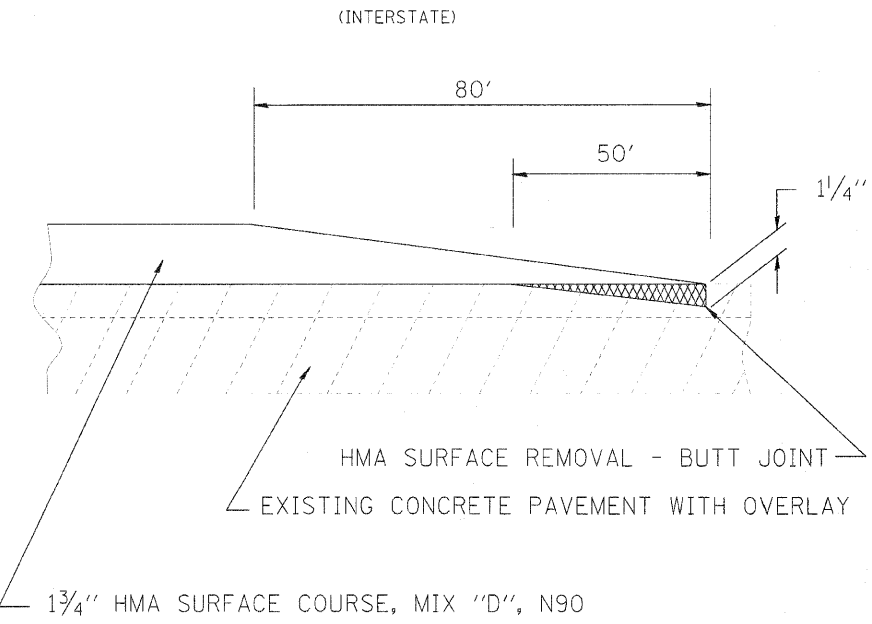
STANDARD 701416



WESTBOUND LANES ONLY

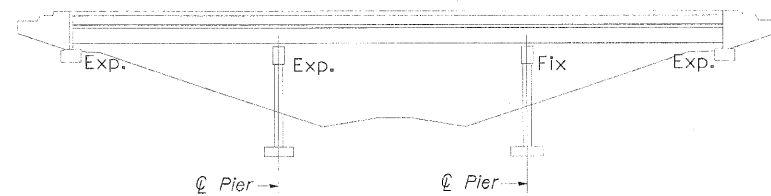
Structure Number	PRE-STAGE WORK		Partial Depth Patching	STANDARD 701402							temp. pav't marking Line 4"
	pav't mark removal (e Bridges)	temp. pav't marking Line 4"		reloc. Temp. conc. Barrier (WB)	pav't mark removal (e Bridges)	temp. pav't marking Line 4"	Work Zone Pav't Mark Removal (SF)	HMA surface removal butt joint (Sq.Yd.)	HMA Taper (tons)	1.75" HMA Surface (tons)	
081-0019	198 + 00 TO 231 + 00	---	See Patching sheets	3300	---	---	2200.00	---	---	---	---
	231 + 00 TO 231 + 80	26.67		80	26.67	80.00	53.33	238.22	27.09	---	80.00
	231 + 80 TO 234 + 85	101.67		305	101.67	305.00	203.33	---	---	118.09	305.00
	234 + 85 TO 235 + 65	26.67		80	26.67	80.00	53.33	236.33	27.09	---	80.00
081-0021	235 + 65 TO 239 + 70	---		405	---	---	270.00	---	---	---	---
	239 + 70 TO 240 + 50	26.67		80	26.67	80.00	53.33	232.67	26.46	---	80.00
	240 + 50 TO 242 + 85	78.33		235	78.33	235.00	156.67	---	---	88.592	235.00
	242 + 85 TO 243 + 65	26.67		80	26.67	80.00	53.33	234.11	26.586	---	80.00
081-0023	243 + 65 TO 252 + 95	---		930	---	---	620.00	---	---	---	---
	252 + 95 TO 253 + 75	26.67		80	26.67	80.00	53.33	231.56	26.46	---	80.00
	253 + 75 TO 256 + 20	81.67		245	81.67	245.00	163.33	---	---	93.002	245.00
	256 + 20 TO 257 + 00	26.67		80	26.67	80.00	53.33	234.22	26.586	---	80.00
081-0024	257 + 00 TO 262 + 00	---		500	---	---	333.33	---	---	---	---
	262 + 00 TO 262 + 80	26.67		80	26.67	80.00	53.33	233.67	26.523	---	80.00
	262 + 80 TO 266 + 40	120.00		360	120.00	360.00	240.00	---	---	135.534	360.00
	266 + 40 TO 267 + 20	26.67		80	26.67	80.00	53.33	236.44	27.216	---	80.00
081-0027	267 + 20 TO 284 + 45	---		1725	---	---	1150.00	---	---	---	---
	284 + 45 TO 285 + 25	26.67		80	26.67	80.00	53.33	238.33	26.901	---	80.00
	285 + 25 TO 288 + 25	100.00		300	100.00	300.00	200.00	---	---	110.936	300.00
	288 + 25 TO 289 + 05	26.67		80	26.67	80.00	53.33	227.00	26.46	---	80.00
TOTAL		748.33	2,245.00	11,675.00	748.33	2,245.00	7,783.33	2,342.56	267.37	546.15	2,245.00

TYPICAL TAPER

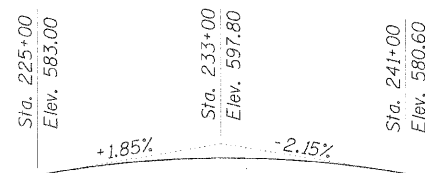


NOTE: TONAGE BASED UPON 112 LBS. PER (SQUARD YARD - INCH OF DEPTH)

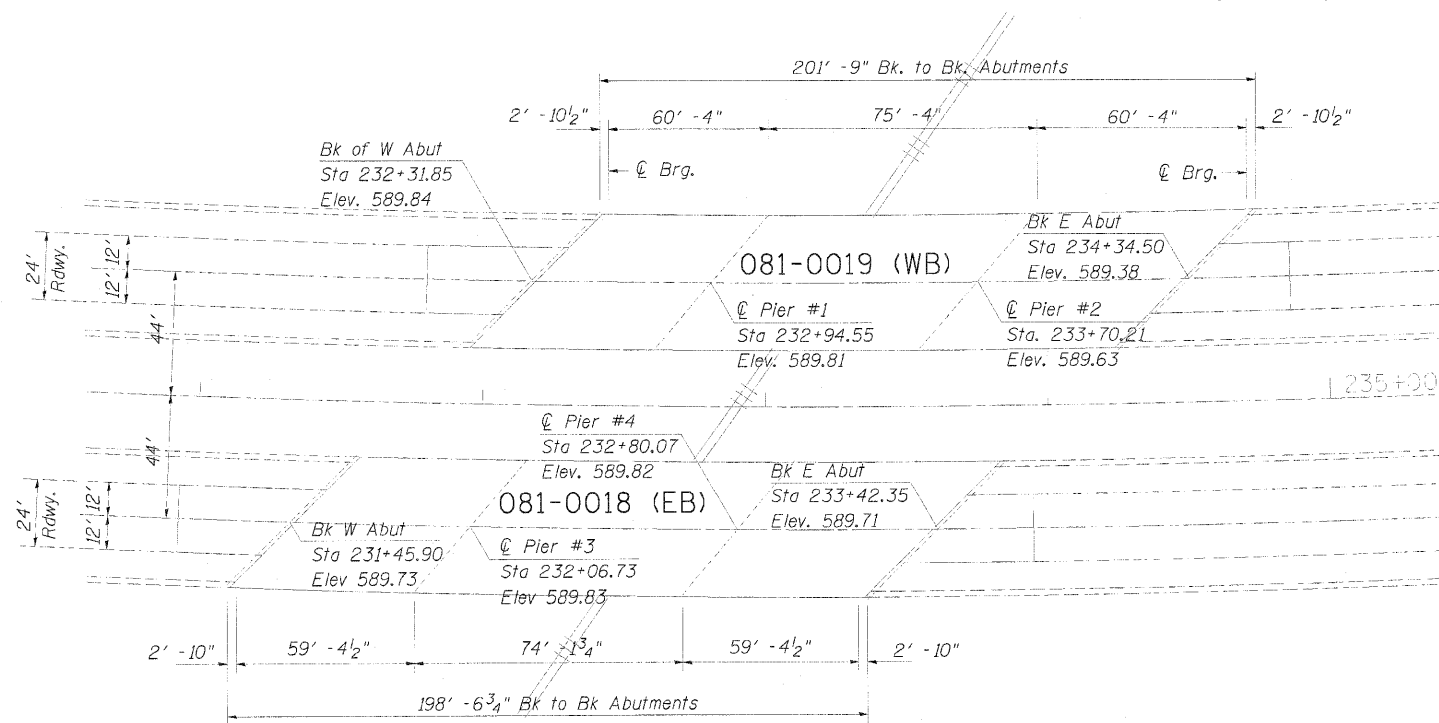
Curve Data
 $\Delta = 29^\circ - 19' - 45''$
 $D = 1^\circ$
 $T = 1499.36'$
 $L = 2932.91'$
 $E = 192.93'$
 $R = 5729.65'$
 $S.E. = 0.010'$



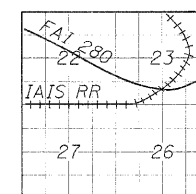
Elevation



Profile Grade
Along C Survey F.A.I. Route 280



Plan



LOCATION SKETCH

GENERAL NOTES

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.

Existing reinforcement if exposed shall be cleaned and incorporated into the new construction. Cost included with Deck Slab Repair.

GENERAL PLAN & ELEVATION
I-280 OVER IOWA INTERSTATE RAILROAD
FAI ROUTE 280
STA. 232+86.50
ROCK ISLAND COUNTY
STRUCTURE NUMBER 081-0019 (W.B.)

DATE	07/20/10
DRAWN	MWH
CHECKED	DPA
REVIEWED	DPA

FILE NAME =	USER NAME = HANSON/0811	DESIGNED = DPA	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 2 BRIDGE PATCHING GENERAL PLAN & ELEVATION 081-0018 & 081-0019	SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D264915-ent-081-0019.dgn	DRAWN = MWH	CHECKED = DPA	REVISED =						280	81-118-1,118,118-1,118-2,118,118-118	ROCK ISLAND	503	124
MODEL NAME =	PLT SCALE = 80,000 1/2" = 1'	DATE = 07/23/10	REVISED =						CONTRACT NO. 64815				
MOD3	PLT DATE = 07/22/2010	REVISED =							FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 7				



Legend

Potential Deck Slab Repair (Partial)

Date of Survey 10/2009

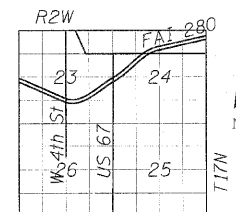
Areas shown for repair are potential areas of deck slab repair.
Actual locations and quantities to be determined in the field.
Resident Engineer to contact District Bridge Office for assistance
with locating patches.



Westbound

SUPERSTRUCTURE
WEST BOUND LANES
STRUCTURE NO. 081-0019 (W.B.)
FAI ROUTE 280
Rock Island County
Sta. 232+86.50

FILE NAME =	SER NAME = 10500241	DESIGNED -- DPA	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 2 BRIDGE PATCHING SUPERSTRUCTURE 081-0019				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12R4010 s-v-b-bridge		DRAWN -- MWH	REVISED --		280	81-1B-1,1B,1B-2,VB,VB-1R	ROCK ISLAND	503	125				
MODEL NAME =	PLC SCALE = 50.0000 ' / 1"	CHECKED -- DPA	REVISED --		CONTRACT NO. 64815								
1014	PLGT DATE = 07/22/2010	DATE	REVISED		SCALE: NTS	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 7	ILLINOIS FED. AID PROJECT 7	



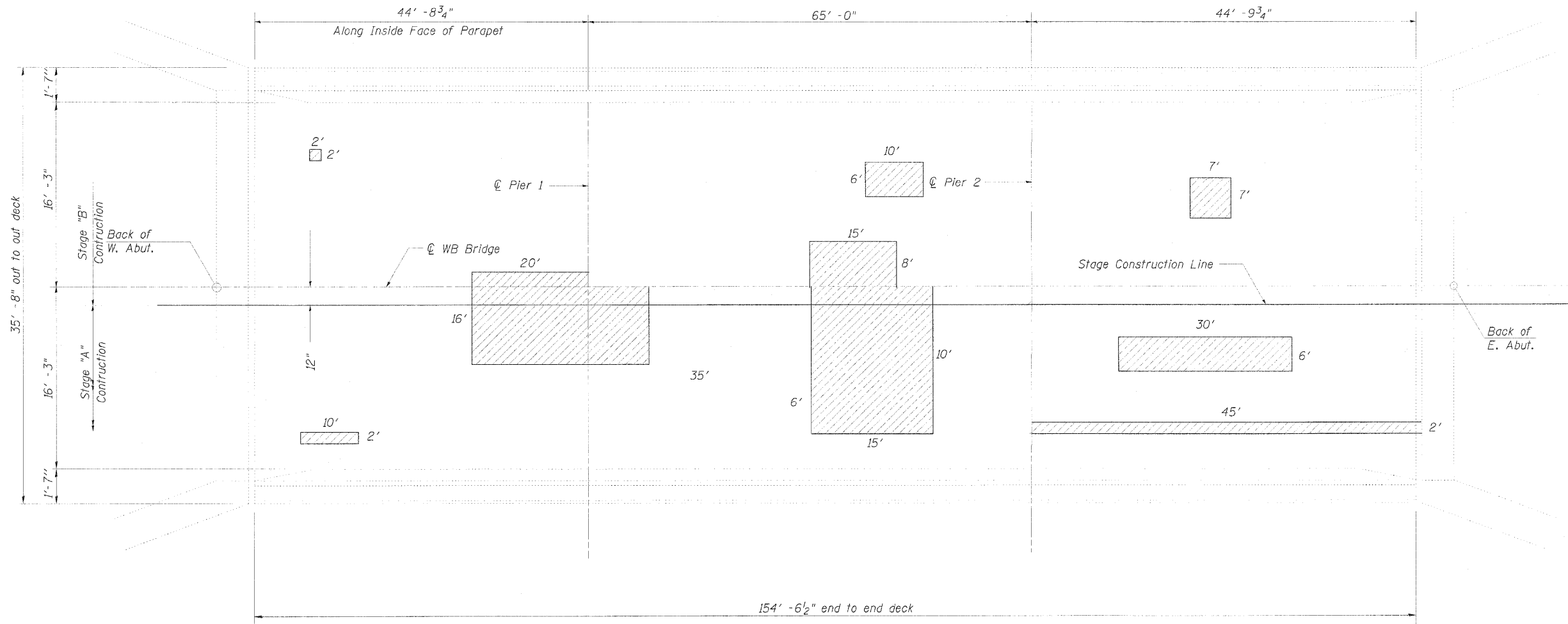
GENERAL PLAN & ELEVATION
I-280 OVER WEST 4th STREET
FAI ROUTE 280
STA. 241+69.27
ROCK ISLAND COUNTY
STRUCTURE NUMBER 081-0021 (W.B.)

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

Existing reinforcement if exposed shall be cleaned and incorporated into the new construction. Cost included with Deck Slab Repair.

RECEIVED	DATE	07/23/10
MAILED	HRM	07/20/10
INVOIT	HRM	07/20/10

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 2 BRIDGE PATCHING GENERAL PLAN & ELEVATION 081-0020 & 081-0021	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
0204RT5-wnh-rtm-pa-04-jdgen		DRAWN -	REVISED -			280	81-1B-1, 81B-1, 81B-2, 81B-3, 81B-4	ROCK ISLAND	503	126	
MODEL NAME =	PLOT SCALE =	CHECKED -	REVISED -			CONTRACT NO. 64815					
MDT5	DATE =	DATE =	REVISED -			SCALE: NTS	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 7



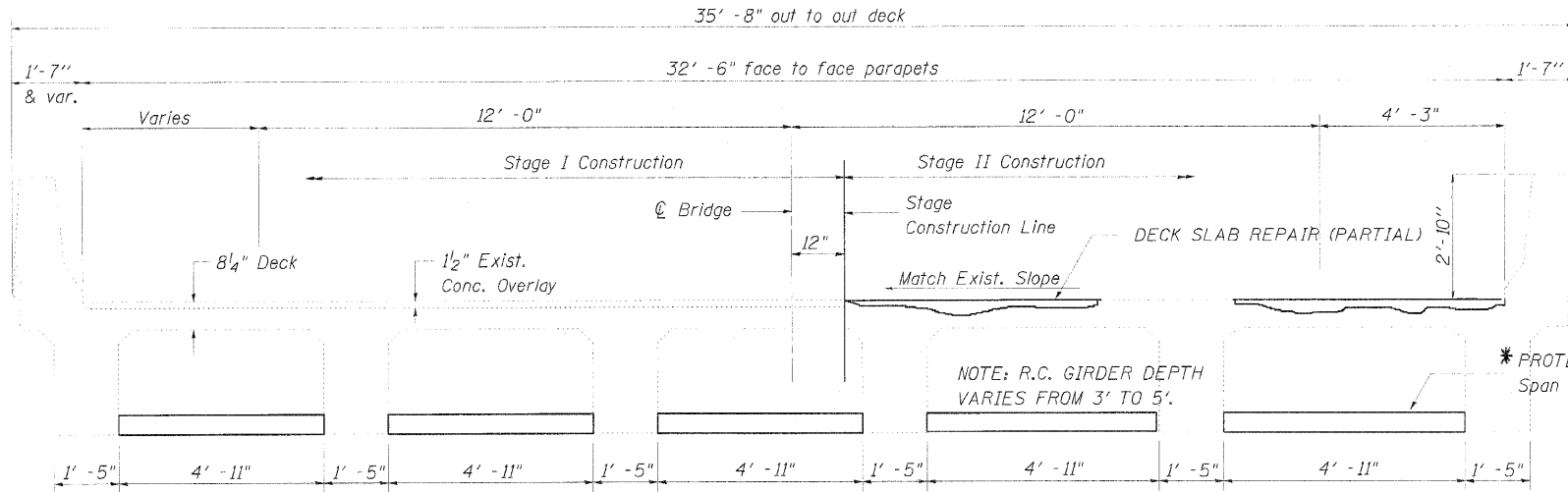
Legend

Potential Deck Slab Repair (Partial)

Date of Survey 10/2009

PLAN

Areas shown for repair are potential areas of deck slab repair. Actual locations and quantities to be determined in the field. Resident Engineer to contact District Bridge Office for assistance with locating patches.



CROSS SECTION
Looking East

BILL OF MATERIAL
Westbound

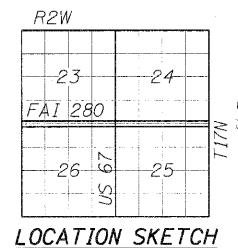
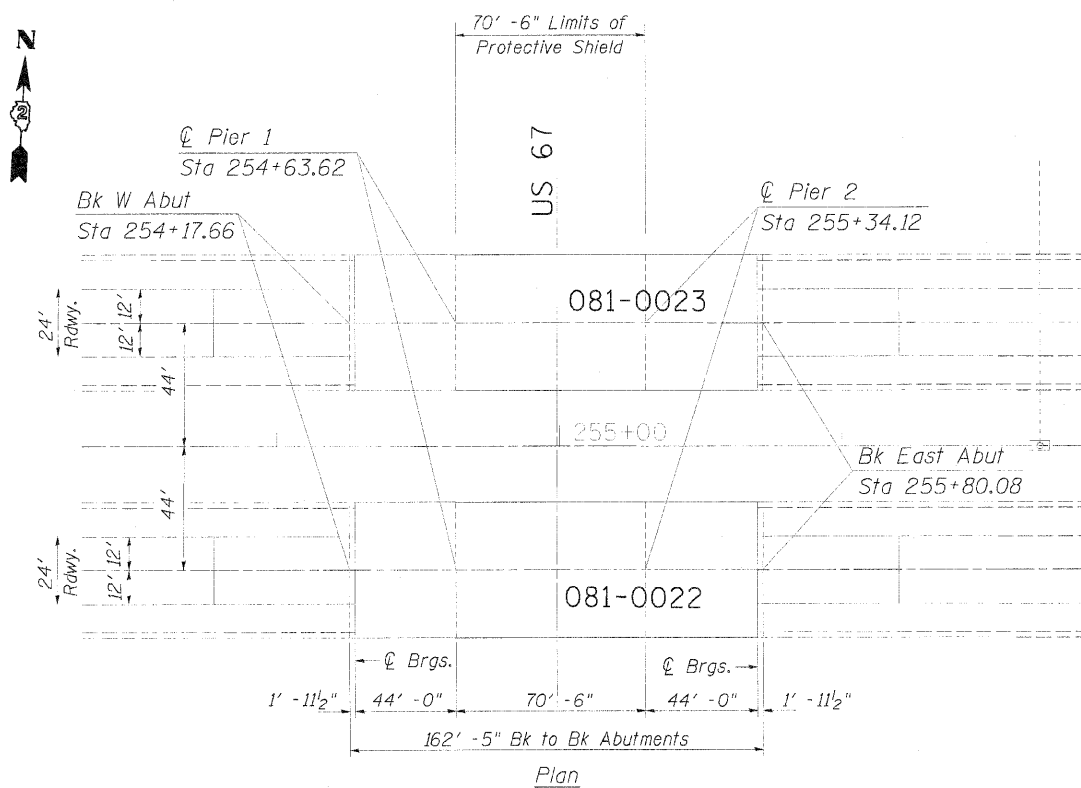
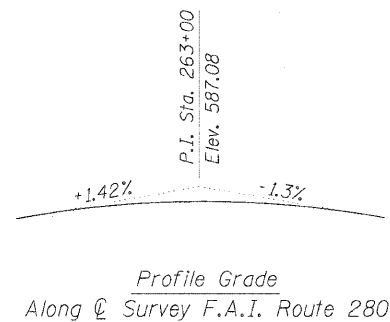
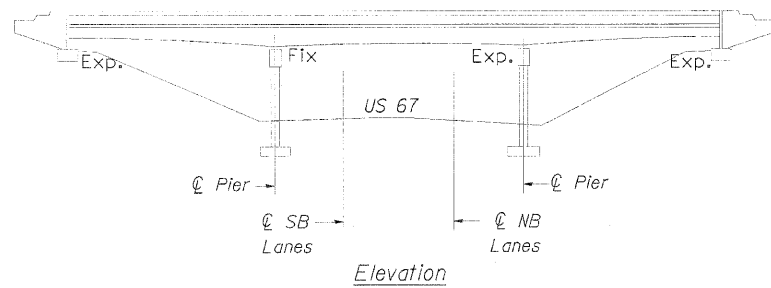
PROTECTIVE SHIELD	SQ YD	235
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	21
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	11
DECK SLAB REPAIR (PARTIAL)	SQ YD	129

SUPERSTRUCTURE
WEST BOUND LANES
STRUCTURE NO. 081-0021 (W.B.)
FAI ROUTE 280
Rock Island County
Sta. 241+69.27

* Drilling into concrete T-girder's stem is not allowed.

DATE	07/23/10
DRAWN	MWH
REVIEWED	DPA
DATE	07/23/10

FILE NAME =	USER NAME =	DESIGNED =	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DISTRICT 2 BRIDGE PATCHING SUPERSTRUCTURE 081-0021		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CD04815-shs-hb-prs-sdgr	11/10/08/11	DPA						280	81-1/1B-1,HB-1,HB-2,VB-1,VB-1R	ROCK ISLAND	503	127
MODEL NAME =	SCALE = 50.0000 / in	CHECKED =	REVISED =					CONTRACT NO. 64815				
MDIS	PLT DATE = 07/22/2010	DATE	REVISED =					FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 7				
				SCALE: NTS		SHEET NO. OF SHEETS		STA. TO STA.				



GENERAL NOTES

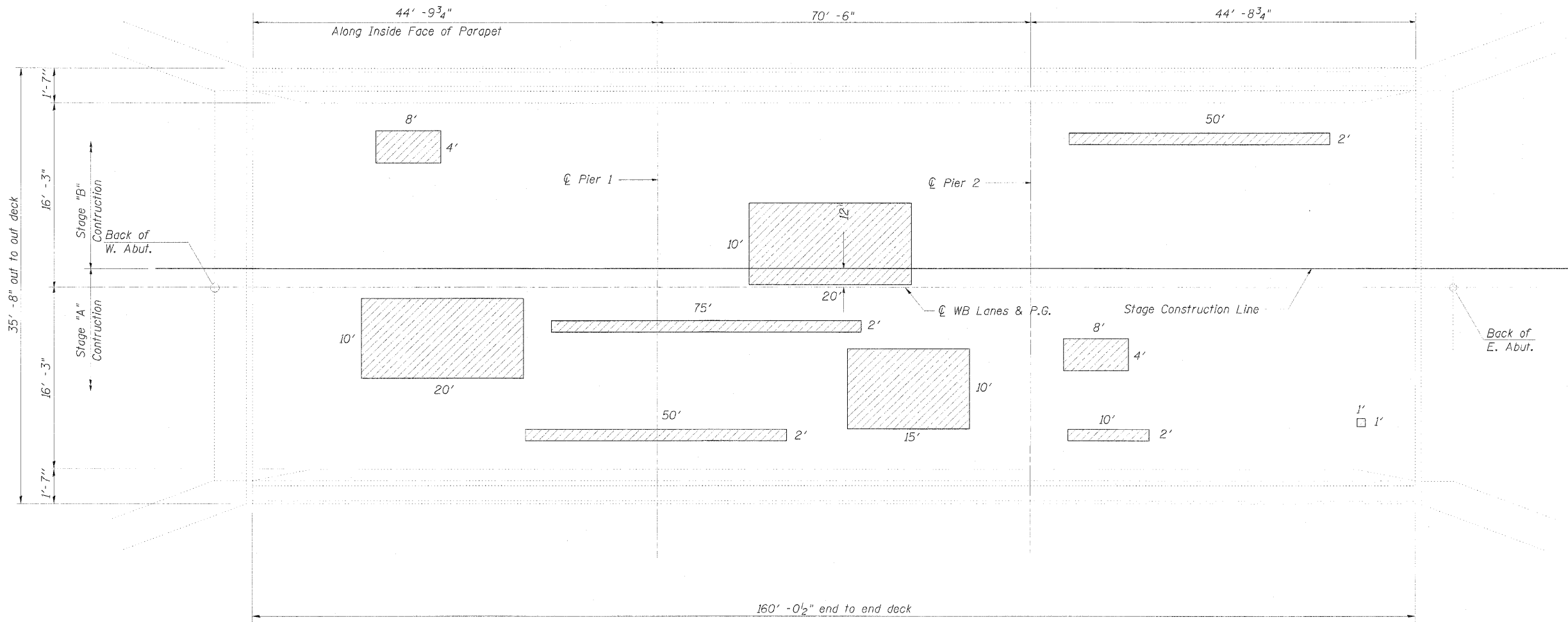
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall 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.

Existing reinforcement if exposed shall be cleaned and incorporated into the new construction. Cost included with Deck Slab Repair.

GENERAL PLAN & ELEVATION
I-280 OVER US ROUTE 67
FAI ROUTE 280
STA. 254+98.87
ROCK ISLAND COUNTY
STRUCTURE NUMBER 081-0023 (W.B.)

DATE	07/20/10
DRAWN	MWH
CHECKED	DPA
REVIEWED	DPA

FILE NAME =	USER NAME = jacob02411	DESIGNED = DPA	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 2 BRIDGE PATCHING GENERAL PLAN & ELEVATION 081-0022 & 081-0023	SCALE: NTS	SHEET NO. OF SHEETS STA. TO STA.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D254975-Sub B Patching		DRAWN = MWH	REVISED =					280	81-VB-1,HB-1,HB-2,VB-1,VB-1R	ROCK ISLAND	503	128
MODEL NAME =	PLOT SCALE = 32.0000 1/2" = 1'	CHECKED = DPA	REVISED =					CONTRACT NO. 64815				
MDT	PLOT DATE = 07/23/10	DATE = 07/23/10	REVISED =									



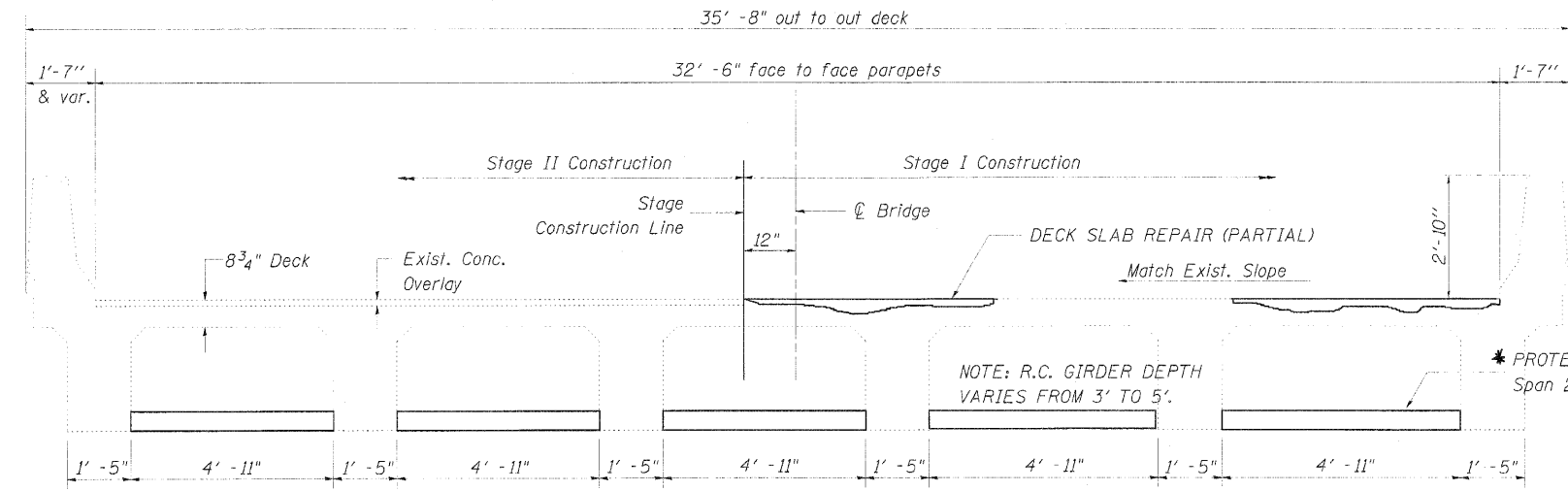
Legend

Potential Deck Slab Repair (Partial)

Date of Survey 10/2009

PLAN

Areas shown for repair are potential areas of deck slab repair. Actual locations and quantities to be determined in the field. Resident Engineer to contact District Bridge Office for assistance with locating patches.



CROSS SECTION
Looking West

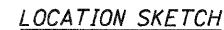
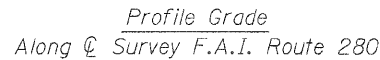
BILL OF MATERIAL
Westbound

PROTECTIVE SHIELD	SQ YD	253
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	23
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	10
DECK SLAB REPAIR (PARTIAL)	SQ YD	110

SUPERSTRUCTURE
WEST BOUND LANES
STRUCTURE NO. 081-0023 (W.B.)
FAI ROUTE 280
Rock Island County
Sta. 254+98.87

* Drilling into concrete T-girder's stem is not allowed.

DESIGNED	DPA
DRAWN	MWH
CHECKED	DPA
DATE	07/23/10



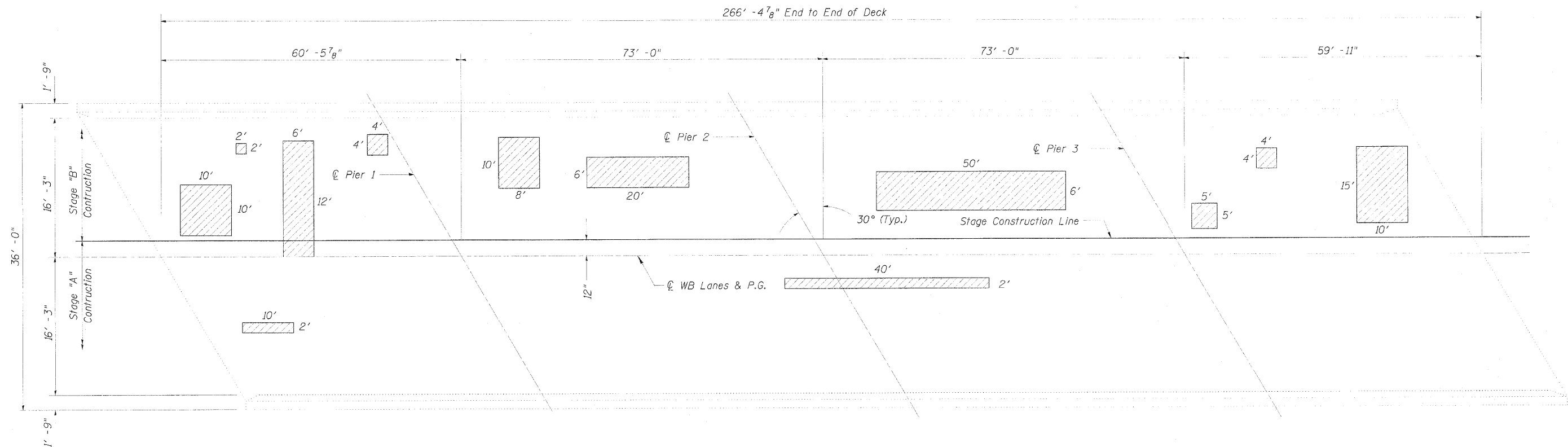
GENERAL NOTES

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Existing reinforcement if exposed shall be cleaned and incorporated into the new construction. Cost included with Deck Slab Repair.

GENERAL PLAN & ELEVATION
I-280 OVER IAIS RAILROAD
FAI ROUTE 280
STA. 264+83.02
ROCK ISLAND COUNTY
STRUCTURE NUMBER 081-0024 (W.B.)

FILE NAME =	DRAWING NAME = 126495-Bricklin patching	DESIGNED - DPA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT 2 BRIDGE PATCHING GENERAL PLAN & ELEVATION 081-0024 & 081-0025	SCALE: NTS	SHEET NO.	OF	SHEETS	STA.	TO STA.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET
MODEL NAME =	PLOT SCALE = 50.00' X 1" = 100'	DRAWN - MWH	REVISED -								280	81-1(B)-1, HB, H&B-1, HB-2, VB, VB-1(R)	ROCK ISLAND	503	130
MDT	PLOT DATE = 07/23/2010	CHECKED - DPA	REVISED -								CONTRACT NO. 64815				
	DATE - 07/23/10	REVISED -	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 7												



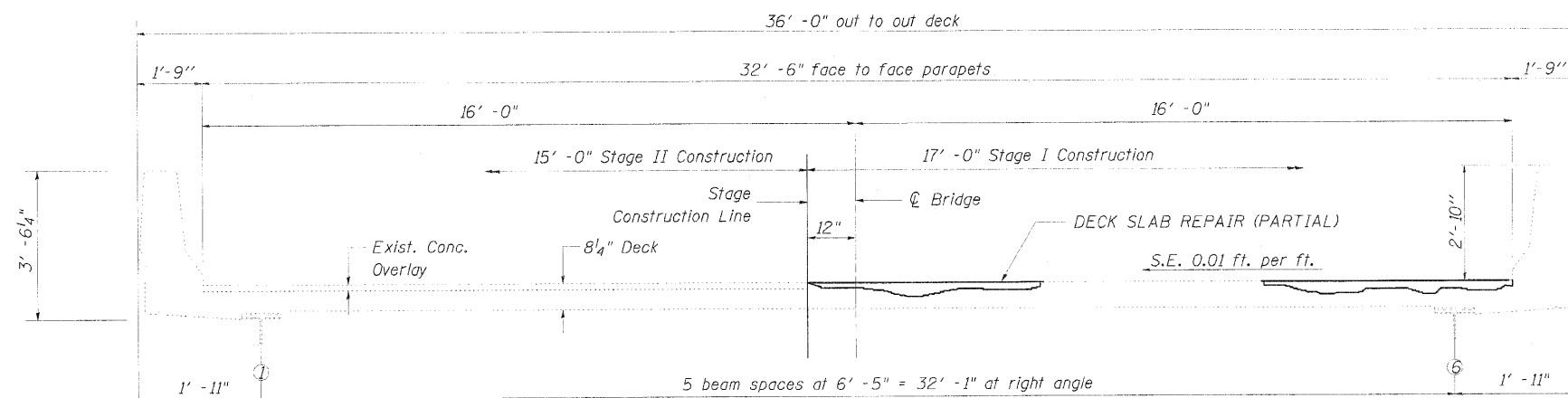
PLAN

Areas shown for repair are potential areas of deck slab repair.
Actual locations and quantities to be determined in the field.
Resident Engineer to contact District Bridge Office for assistance
with locating patches.

Legend

 Potential Deck Slab Repair (Partial)

Date of Survey 10/2009



CROSS SECTION
(Looking East)

BILL OF MATERIAL

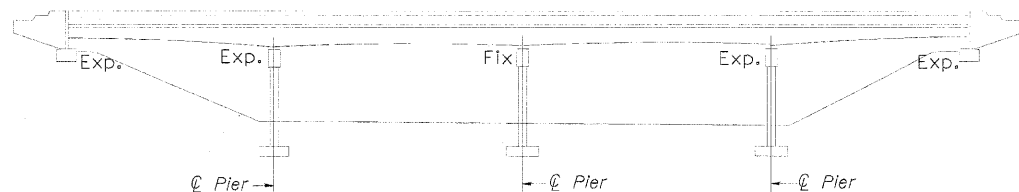
Westbound

DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	35
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	19
DECK SLAB REPAIR (PARTIAL)	SQ YD	110

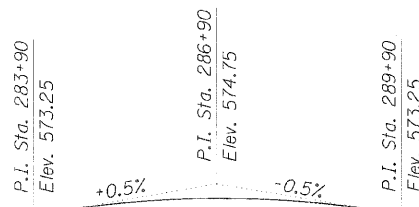
SUPERSTRUCTURE
WEST BOUND LANES
STRUCTURE NO. 081-0024 (W.B.)
FAI ROUTE 280
Rock Island County
Sta. 264+83.02

LAYOUT	MWH	01/20/00
DRAWN	MWH	01/20/00
REVIEWED	DPA	01/23/00

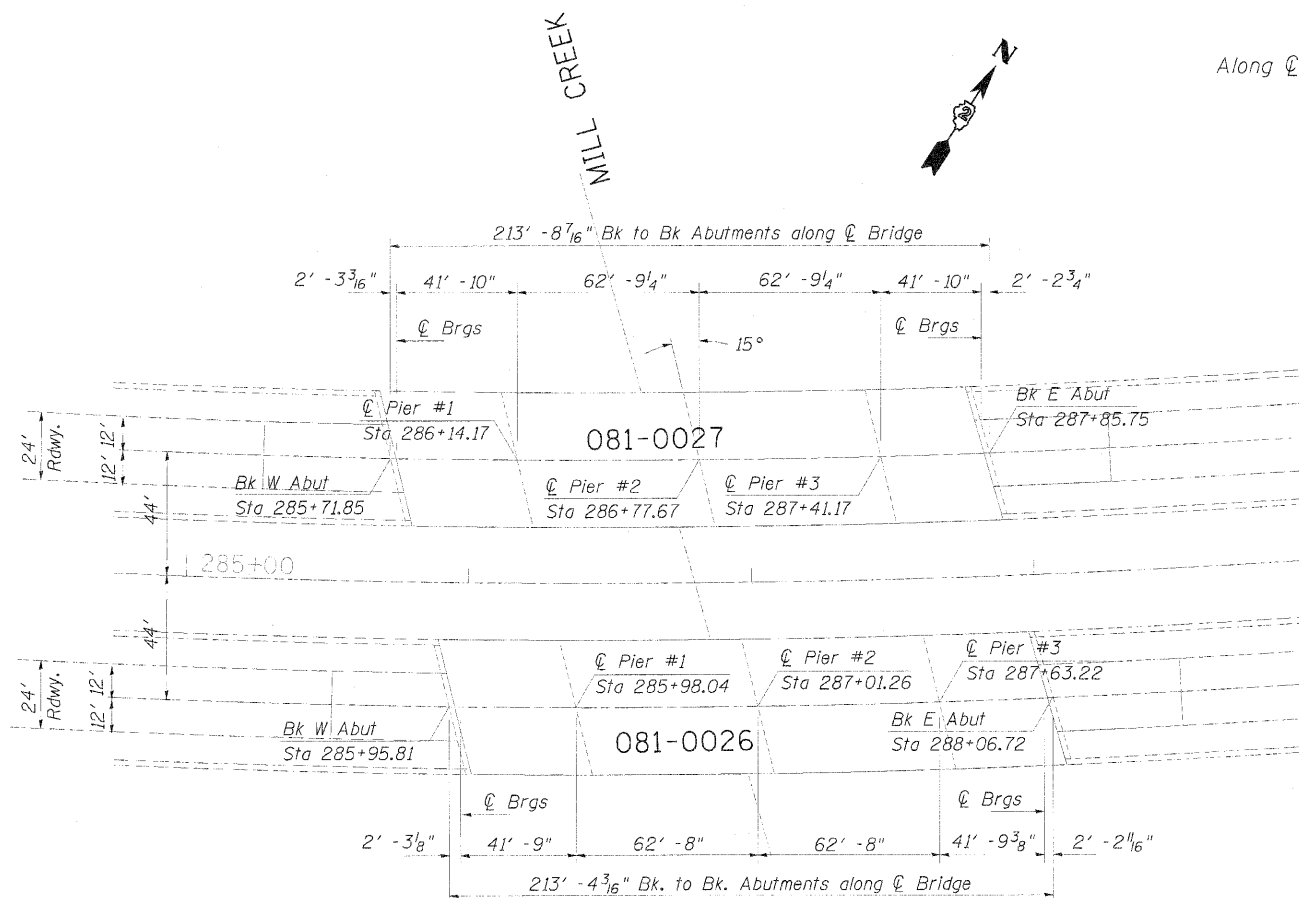
FILE NAME =	USER NAME = Husein00411	DESIGNED = DPA	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 2 BRIDGE PATCHING SUPERSTRUCTURE 081-0025				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0294925-ent-br-patchulcldgn		DRAWN = MWH	REVISED =		280	81-10-1-B-B-1-H-2-V-B-VB-1R	ROCK ISLAND	503	131				
MODEL NAME =	PLOT SCALE = 50.0000' / 1"	CHECKED = DPA	REVISED =		SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 64815				
NOTES	PLOT DATE = 07/22/2010	DATE = 07/23/10	REVISED =		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 7								



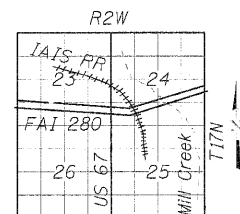
Elevation



Profile Grade
Along ϕ Survey F.A.I. Route 280



Plan



LOCATION SKETCH

GENERAL NOTES

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Existing reinforcement if exposed shall be cleaned and incorporated into the new construction. Cost included with Deck Slab Repair.

GENERAL PLAN & ELEVATION
I-280 OVER MILL CREEK
FAI ROUTE 280
STA. 286+90
ROCK ISLAND COUNTY
STRUCTURE NUMBER 081-0027 (W.B.)

DESIGNED	DPA	07/20/10
DRAWN	MWH	07/20/10
CHECKED	DPA	07/20/10
REVIEWED	DPA	07/20/10

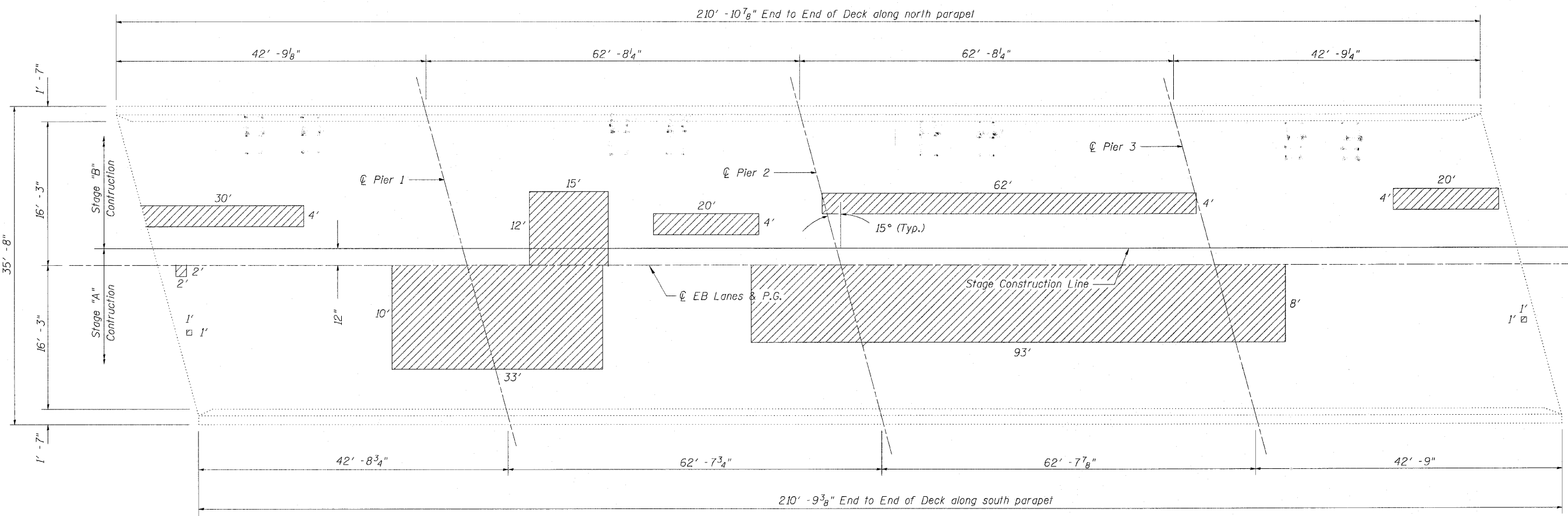
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PROJECT NAME =	PLT SCALE =	CHECKED	DPA	REVIEWED	-
YDTH	1:1000	DATE	07/23/10	REVIEWED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 2 BRIDGE PATCHING
GENERAL PLAN & ELEVATION
081-0026 & 081-0027

SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-11B-1,11B,11B-1,11B-2,11B,11B-11R	ROCK ISLAND	503	132
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 7				CONTRACT NO. 64815



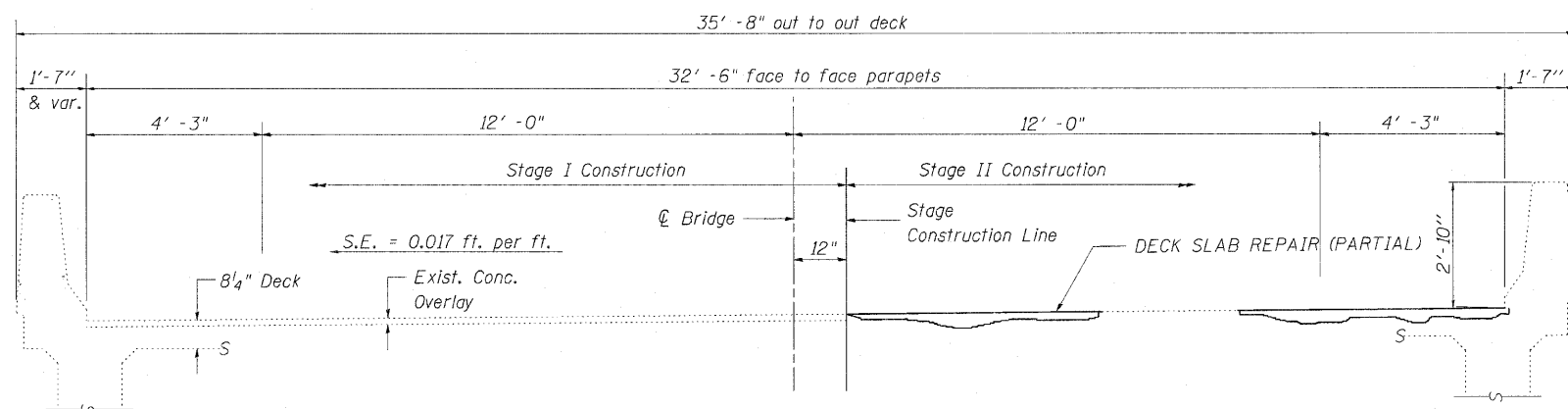
Legend



Date of Survey 10/2009

PLAN

Areas shown for repair are potential areas of deck slab repair.
Actual locations and quantities to be determined in the field.
Resident Engineer to contact District Bridge Office for assistance
with locating patches.



CROSS SECTION
(Looking East)

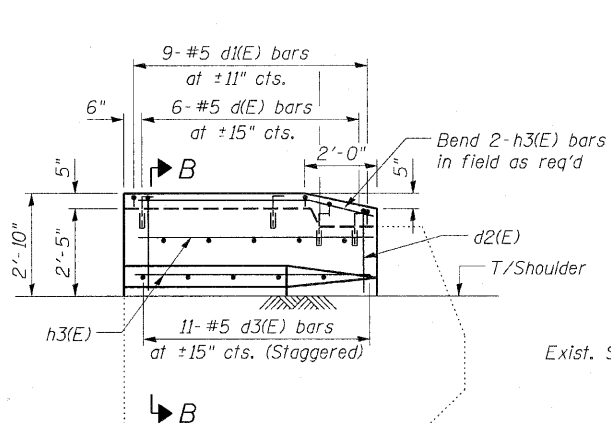
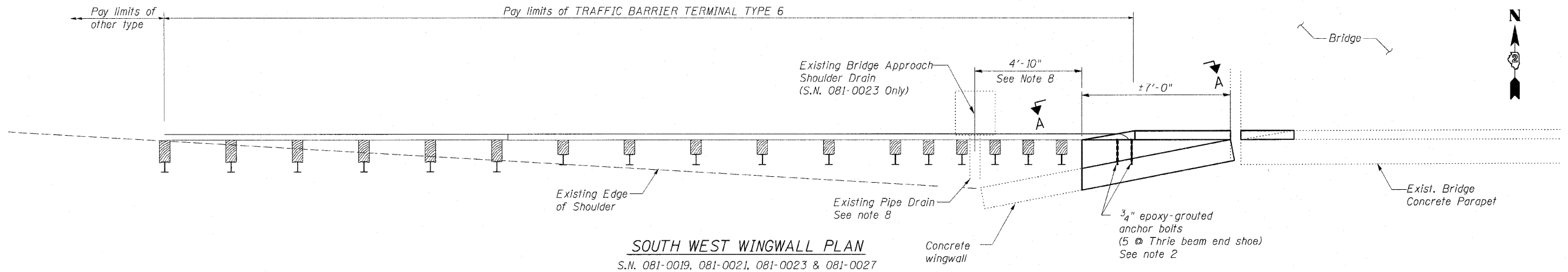
BILL OF MATERIAL
Westbound

DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	28
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	15
DECK SLAB REPAIR (PARTIAL)	SQ YD	200

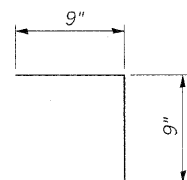
SUPERSTRUCTURE
WEST BOUND LANES
STRUCTURE NO. 081-0027 (W.B.)
FAI ROUTE 280
Rock Island County
Sta. 286+90

• 81-1(B-1, HB, HB-1, HB-2, VB, VB-1)R

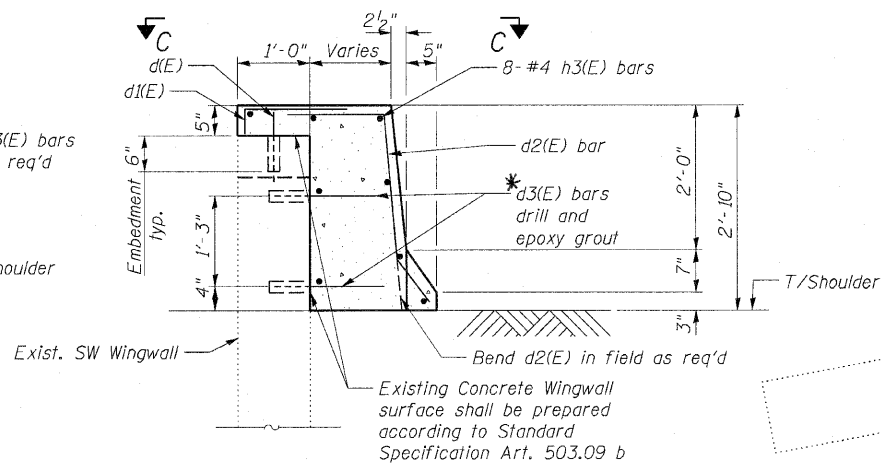
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -								CONTRACT NO.	64815	
	PLOT DATE = Tue Aug 31 10:00:42 2010	DATE -	REVISED -								ILLINOIS FED. AID PROJECT		



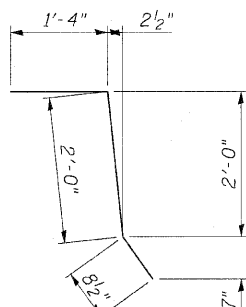
VIEW A-A



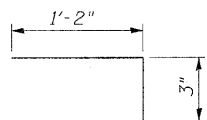
BAR d(E)



SECTION B-B



BAR d2(E)



BAR d(E)

BILL OF MATERIAL

Total for 4 Structures

Bar	Number	Size	Length	Shape
h3(E)	32	#4	6'-8"	
d(E)	28	#5	1'-6"	
d(E)	36	#5	1'-5"	
d2(E)	36	#5	4'-0 1/2"	
d3(E)	44	#5	1'-3"	
REINFORCEMENT BARS, EPOXY COATED			POUND	450
CONCRETE STRUCTURES			CU YD	3.7
PROTECTIVE COAT			SQ YD	17

SECTION C-C

Verify dimensions in the field

S.N.	Dimension A
081-0019	1'-9"
081-0021	1'-9"
081-0023	1'-9"
081-0027	1'-8"

LEGEND:

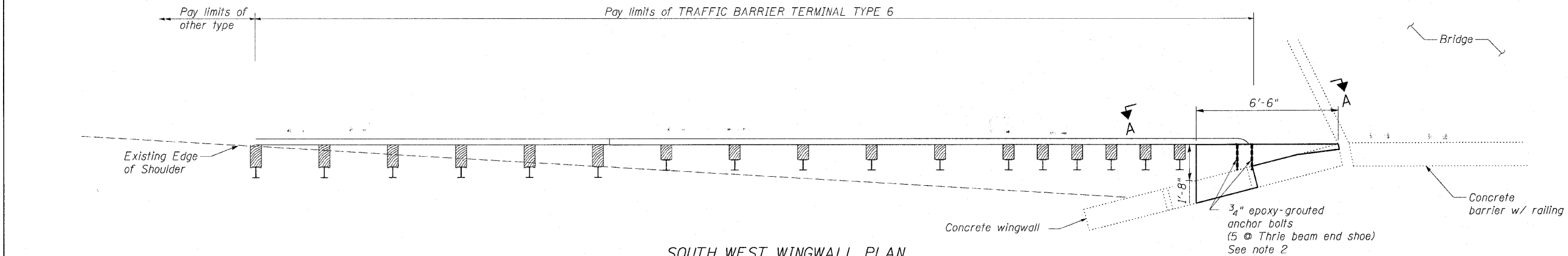
Concrete Removal, Cost included with Concrete Structures

NOTES:

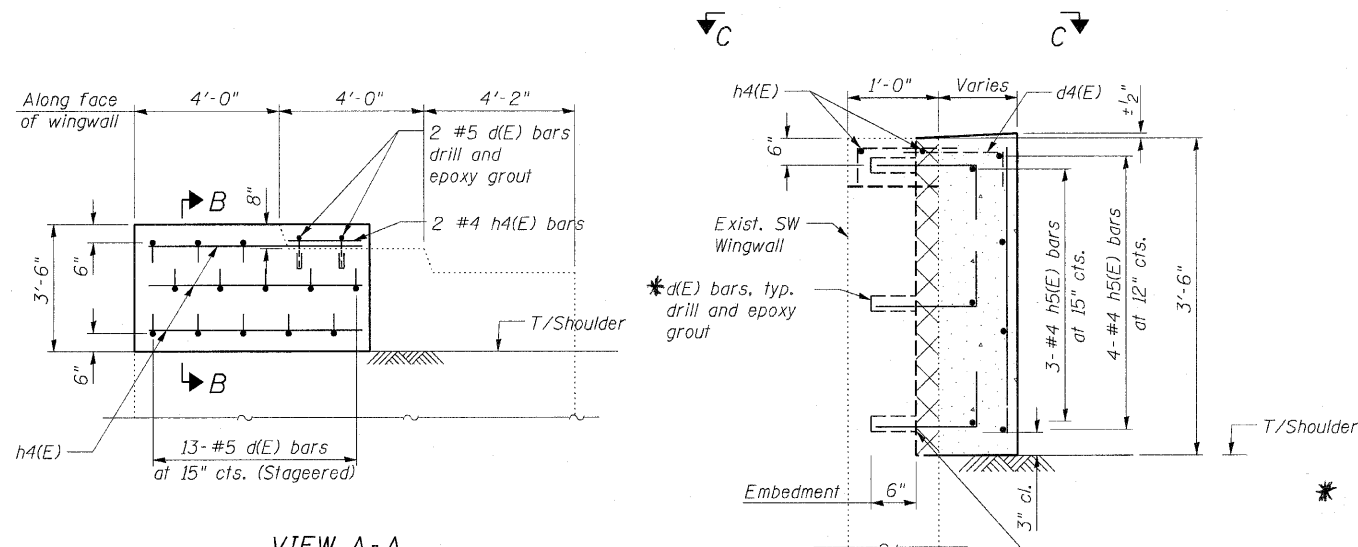
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations 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.
- See Standard 631033-09 for other details and notes.
- The cost of drilling and epoxy grouting of bars is included with **Reinforcement Bars, Epoxy Coated**.
- Protective Coat shall be applied to all new concrete areas.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Structures.
- For Structure S.N. 081-0023 only - Locate the pipe drain and to establish the end of new widened wingwall at $\pm 4'-10"$ from $\odot$ of pipe to avoid conflict with the guardrail posts. Use extreme caution during post installation to prevent damage to the pipe.

* 81-11B-1, HB, HB-1, HB-2, VB, VB-11R

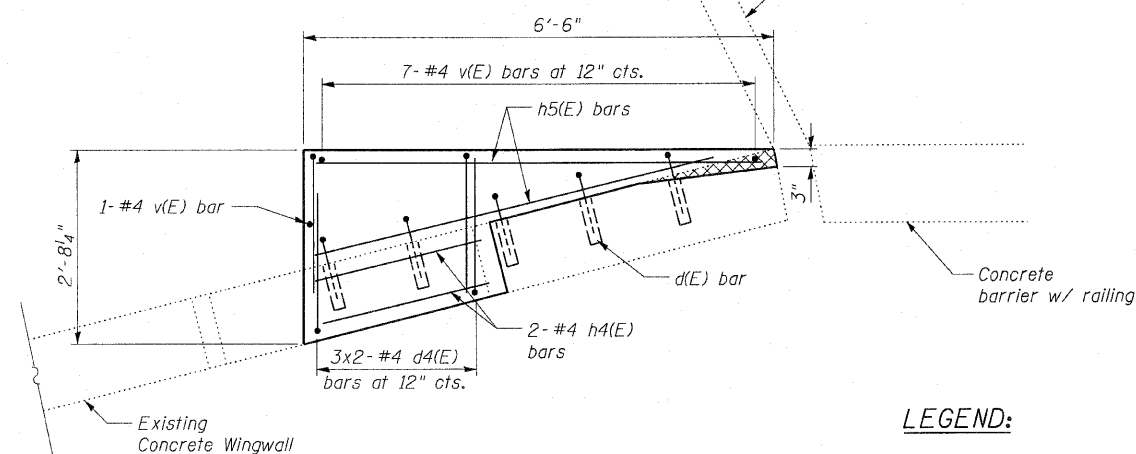
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PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____			CONTRACT NO. 64815				
PLOT DATE = Tue Aug 31 10:00:34 2010		DATE -	REVISED -					[ILLINOIS] FED. AID PROJECT				



SOUTH WEST WINGWALL PLAN
S.N. 081-0025



SECTION B-B



VIEW C-C
Verify dimensions in the field

LEGEND:

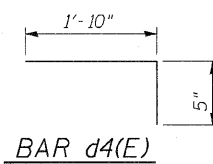
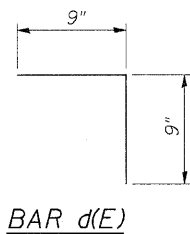
Concrete Removal, Cost included with Concrete Structures

NOTES:

- 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.
- See Standard 631033-09 for other details and notes.
- The cost of drilling and epoxy grouting of bars is included with **Reinforcement Bars, Epoxy Coated**.
- Protective Coat shall be applied to all new concrete areas.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Structures.

BILL OF MATERIAL

Bar	Number	Size	Length	Shape
d(E)	15	#5	1'-6"	
d4(E)	6	#4	2'-3"	
h4(E)	2	#4	2'-5"	
h5(E)	7	#4	6'-2"	
v(E)	8	#4	3'-2"	
REINFORCEMENT BARS, EPOXY COATED			POUND	90
CONCRETE STRUCTURES			CU YD	1.2
PROTECTIVE COAT			SQ YD	4

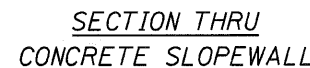
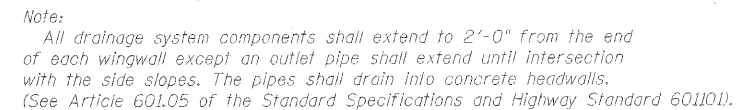


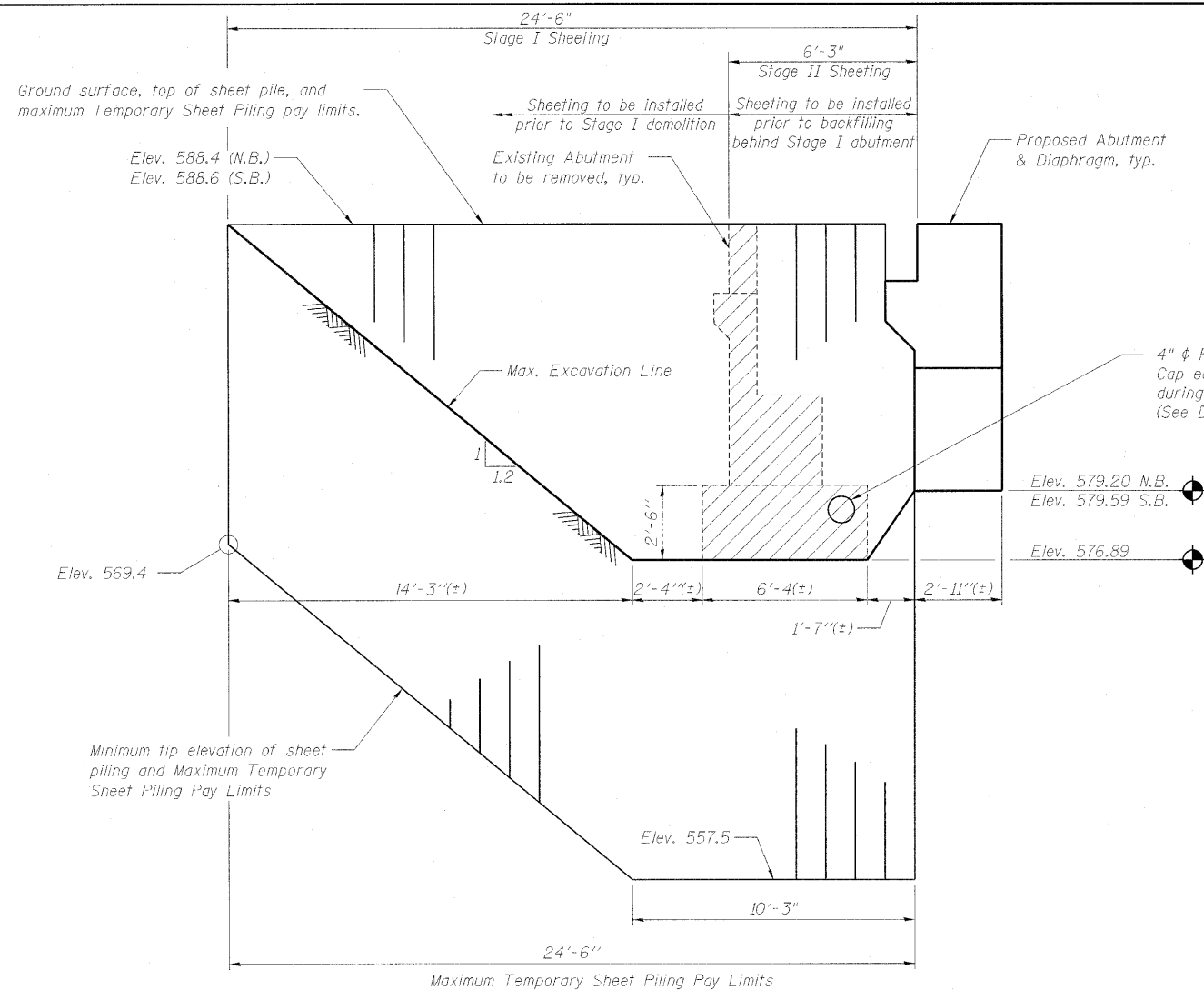
LAYOUT	JRP/FLN 04/05/10
DRAWN	MCM JDN 01/21/10
BY: WLEI	JRP/FLN 01/21/10

1. General Plan
2. General Data
3. Temporary Sheet Piling
4. Stage Construction Details
5. Temporary Concrete Barrier for Stage Construction
6. Substructure Layout
- 7.-12. Top of Slab Elevations
13. Top of Approach Slab Elevations South Approach - N.B.
14. Top of Approach Slab Elevations North Approach - N.B.
15. Top of Approach Slab Elevations South Approach - S.B.
16. Top of Approach Slab Elevations North Approach - S.B.
17. Superstructure - N.B.
18. Superstructure Details - N.B.
19. Integral Abutment Diaphragm Details - N.B.
20. Superstructure - S.B.
21. Superstructure Details - S.B.
22. Integral Abutment Diaphragm Details - S.B.
23. Drainage Scupper, DS-12M10
- 24.-25. Bridge Approach Slab Details - N.B.
- 26.-27. Bridge Approach Slab Details - S.B.
28. Structural Steel - N.B.
29. Structural Steel - S.B.
30. Structural Steel Details
31. Bearing Details
32. South Abutment - N.B.
33. South Abutment Details - N.B.
34. North Abutment - N.B.
35. North Abutment Details - N.B.
36. South Abutment - S.B.
37. South Abutment Details - S.B.
38. North Abutment - S.B.
39. North Abutment Details - S.B.
- 40.-41. Northbound Pier
- 42.-43. Southbound Pier
44. Bar Splicer Details
45. Steel H-Pile Details
46. Concrete Parapet Slipforming Option
- 47.-50. Boring Logs

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.	—	520	520
Removal of Existing Structures No. 3	Each	2	—	2
Protective Shield	Sq. Yd.	2078	—	2078
Structure Excavation	Cu. Yd.	—	499	499
Concrete Structures	Cu. Yd.	—	451.0	451.0
Concrete Superstructure	Cu. Yd.	1022.0	324.8	1346.8
Bridge Deck Grooving	Sq. Yd.	3547	—	3547
Concrete Encasement	Cu. Yd.	—	10.0	10.0
Protective Coat	Sq. Yd.	4367	—	4367
Stud Shear Connectors	Each	8568	—	8568
Reinforcement Bars, Epoxy Coated	Pound	276,640	80,130	356,770
Bar Splicers	Each	3752	362	4114
Slope Wall 4 Inch	Sq. Yd.	—	1394	1394
Furnishing Steel Piles HP 12x53	Foot	—	4496	4496
Driving Piles	Foot	—	4496	4496
Test Pile Steel HP 12x53	Each	—	6	6
Temporary Sheet Piling	Sq. Ft.	—	2700	2700
Name Plates	Each	2	—	2
Anchor Bolts 1"	Each	—	56	56
Anchor Bolts 1½"	Each	—	28	28
Geocomposite Wall Drain	Sq. Yd.	—	270	270
Pipe Underdrains for Structures 4"	Foot	—	440	440
Drainage Scuppers, DS-12M10	Each	8	—	8
Furnishing and Erecting Structural Steel Bridge No. 6	L. Sum	1	—	1
Instrumented Piles	L. Sum	—	1	1

1. Fasteners shall be AASHTO M64 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$ in. ϕ , holes $\frac{15}{16}$ in. ϕ , unless otherwise noted.
2. Calculated weight of Structural Steel = 638,000 lbs (AASHTO M270 Grade 50) (NB)
5,790 lbs (AASHTO M270 Grade 36) (NB)
638,000 lbs (AASHTO M270 Grade 50) (SB)
5,790 lbs (AASHTO M270 Grade 36) (SB)
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
5. Reinforcement bars designated (E) shall be epoxy coated.
6. 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.
7. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
8. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
9. 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 surfaces and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up and finish coated 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 the bottom of the bottom flange of fascia beams shall be Blue, Munsell No. 10B 3/6. See Special Provision for "Cleaning and Painting New Metal Structures."
10. The maximum pay length of Protective Shield shall extend from the inside face of Pier 1 and Pier 4 (northernmost piers) to the inside face of Pier 3 and Pier 6 (southernmost piers) for each of the existing northbound and southbound bridges. The maximum pay width of Protective Shield shall be equal to the overall deck width of each of the existing northbound and southbound bridges.
11. During Stage I removal, the existing abutments shall be removed to within 12 inches of the Profile Grade Line. The removal of the existing abutments shall be parallel to the Profile Grade Line.
12. During Stage I removal, the existing piers shall be removed to within 6 inches of the Profile Grade Line. The removal of the existing piers shall be parallel to the Profile Grade Line.
13. The existing timber piles supporting the existing bridge approach pavements shall be cut off at least 24 inches below the bottom of the new bridge approach slab and footing.

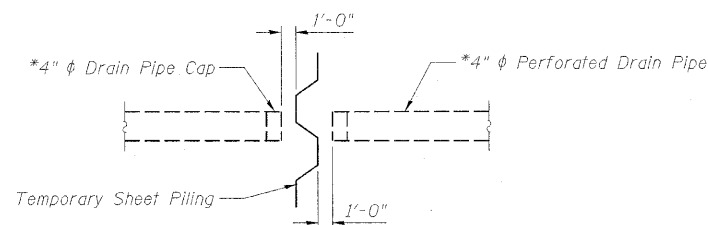
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TEMPORARY SHEET PILING AT SOUTH ABUTMENTS

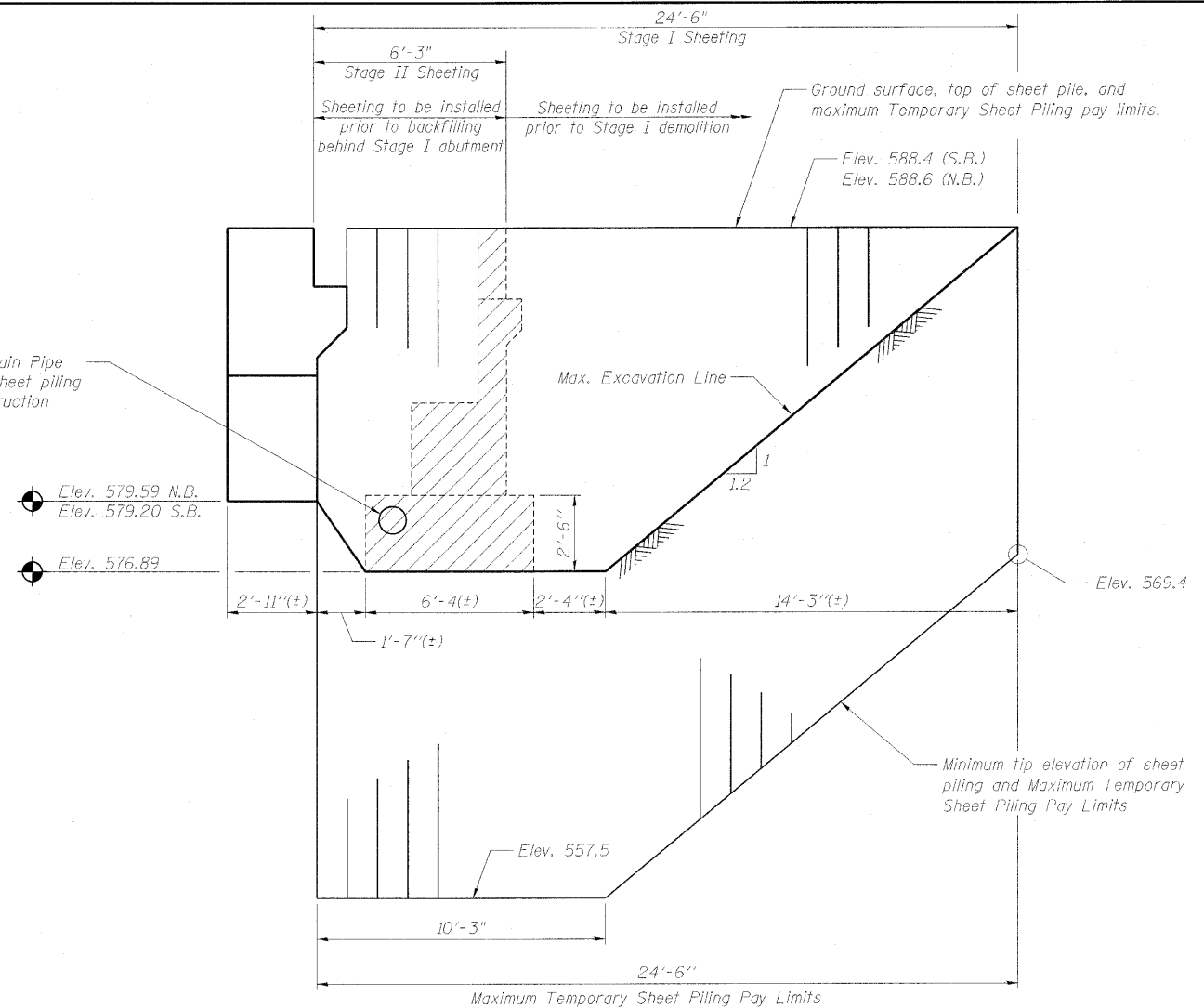
Minimum Section Modulus of Temporary Sheet Piling = 27.1 in³/ft.
All Dimensions given parallel to centerline of roadway

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plan, a design submittal including plan details and calculation will be required for review and acceptance by the Engineer.



DRAIN PIPE DETAIL AT SHEET PILING

*Included in the cost of Pipe Underdrains for Structures.



TEMPORARY SHEET PILING AT NORTH ABUTMENTS

Minimum Section Modulus of Temporary Sheet Piling = 27.1 in³/ft.
All Dimensions given parallel to centerline of roadway

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plan, a design submittal including plan details and calculation will be required for review and acceptance by the Engineer.

Note:
Maximum Pay Limits for Porous Granular Embankment, Special and Structural Excavation are shown on Sheet 2 of 50.

TEMPORARY SHEET PILING STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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JOB NO.
05R1532A

SHEET NO. 3

DATE
05/21/10

50 SHEETS

F.A.I.
RTE.
280

SECTION
81-KHB/R

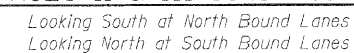
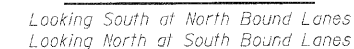
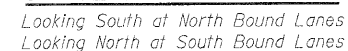
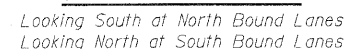
COUNTY
Rock Island

TOTAL
SHEETS
503

SHEET
NO.
136

CONTRACT NO. 64815

ILLINOIS FED. AID PROJECT



Note:
Limits of Stage removal for the substructure are identified
in General Note 11 and 12 on Sheet 2 of 50.

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DATE
07/23/10

50 SHEETS

280

81-1(HB)R

Rock Island

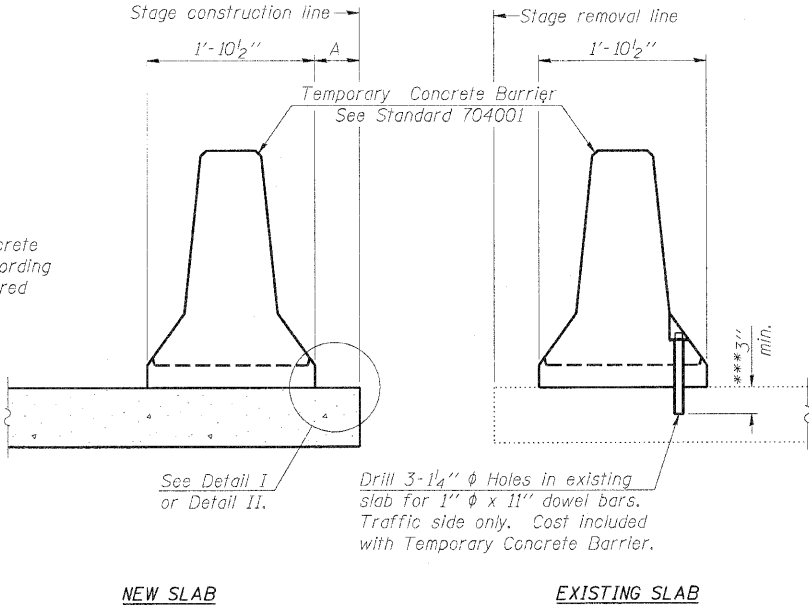
503

137

CONTRACT NO.	64815
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ILLINOIS	FED. AID PROJECT
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When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

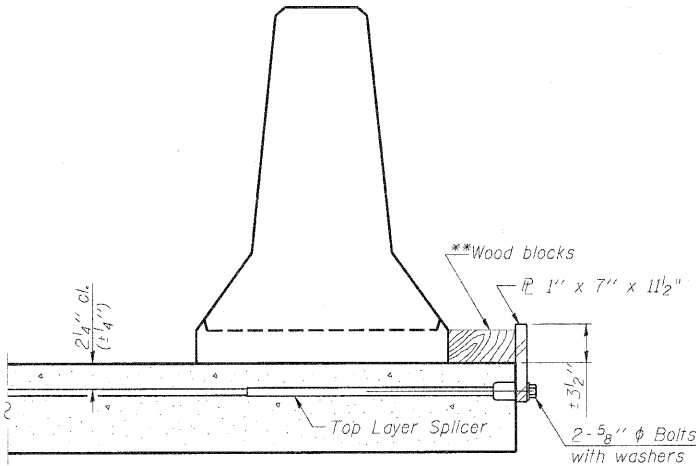


SECTIONS THRU SLAB

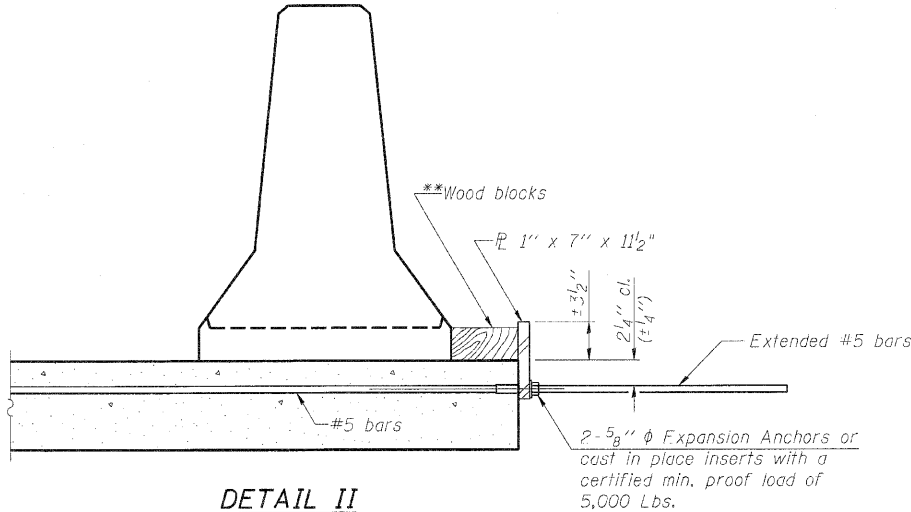
NOTES

- Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x11 1/2" steel P to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate ϕ of each barrier panel.
- Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x11 1/2" steel P to the concrete slab or concrete wearing surface with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate ϕ of each barrier panel.
- Cost of anchorage is included with Temporary Concrete Barrier.
The 1" x 7" x 11 1/2" plate shall not be removed until stage III construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

*** Dimension shown is minimum required embedment into concrete.
If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

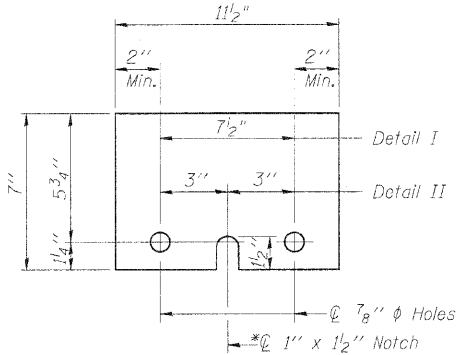


DETAIL I



DETAIL II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.



STEEL RETAINER P 1" x 7" x 11 1/2"

* Required only with Detail II

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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DESIGN NO.
05R1532A

SHEET NO. 5

50 SHEETS

DATE
07/23/10

F.A.I.
RTE.
280

SECTION
81-1(HB)R

COUNTY
Rock Island

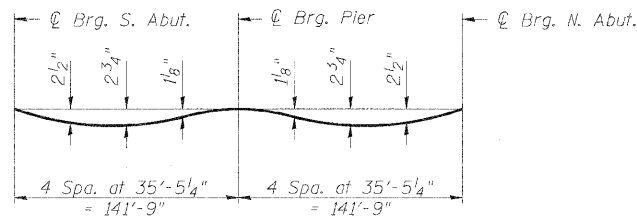
TOTAL
SHEETS
503

SHEET
NO.
138

CONTRACT NO. 64815

ILLINOIS FED. AID PROJECT

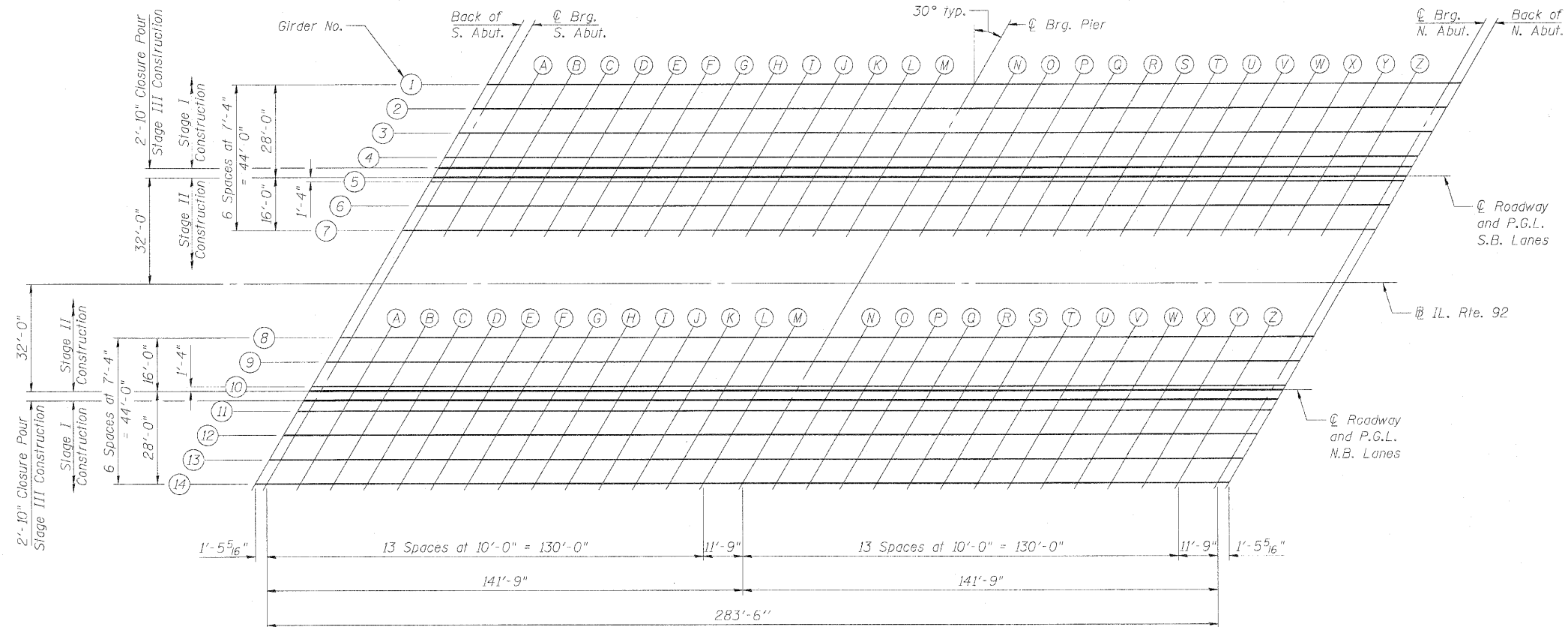
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REVIEWED 07/21/10
07/23/10
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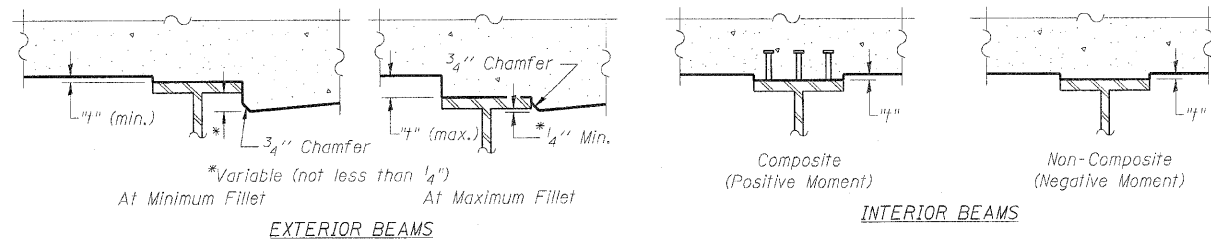
GIRDER DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on Sheets 8 thru 12 of 50.



DIAGRAMMATIC PLAN



EXTERIOR BEAMS

INTERIOR BEAMS

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on Sheets 8 thru 12 of 50, minus 8" slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

Notes:
Offsets are to IL. Rte. 92.
Negative (-) offsets are offsets to the left of the IL while looking upstation.

TOP OF SLAB ELEVATIONS

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

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JOB NO.
05R1532A
DATE
07/23/10

SHEET NO. 7
50 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81- (HB)R	Rock Island	503	140
CONTRACT NO. 64815				
ILLINOIS FED. AID PROJECT				

GIRDER 1

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+79.88	-60.00	588.18	588.18
CL Brg. S. Abut.	1390+81.32	-60.00	588.18	588.18
A	1390+91.32	-60.00	588.22	588.29
B	1391+01.32	-60.00	588.26	588.39
C	1391+11.32	-60.00	588.29	588.48
D	1391+21.32	-60.00	588.32	588.54
E	1391+31.32	-60.00	588.34	588.59
F	1391+41.32	-60.00	588.37	588.61
G	1391+51.32	-60.00	588.38	588.61
H	1391+61.32	-60.00	588.39	588.60
I	1391+71.32	-60.00	588.40	588.57
J	1391+81.32	-60.00	588.41	588.53
K	1391+91.32	-60.00	588.41	588.49
L	1392+01.32	-60.00	588.41	588.45
M	1392+11.32	-60.00	588.40	588.41
CL Brg. Pier	1392+23.07	-60.00	588.39	588.39
N	1392+33.07	-60.00	588.37	588.38
O	1392+43.07	-60.00	588.35	588.39
P	1392+53.07	-60.00	588.33	588.40
Q	1392+63.07	-60.00	588.30	588.41
R	1392+73.07	-60.00	588.27	588.42
S	1392+83.07	-60.00	588.23	588.43
T	1392+93.07	-60.00	588.19	588.42
U	1393+03.07	-60.00	588.15	588.39
V	1393+13.07	-60.00	588.10	588.35
W	1393+23.07	-60.00	588.05	588.28
X	1393+33.07	-60.00	588.00	588.19
Y	1393+43.07	-60.00	587.94	588.08
Z	1393+53.07	-60.00	587.87	587.96
CL Brg. N. Abut.	1393+64.82	-60.00	587.79	587.79
Bk. N. Abut.	1393+66.26	-60.00	587.78	587.78

GIRDER 2

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+75.64	-52.67	588.31	588.31
CL Brg. S. Abut.	1390+77.09	-52.67	588.32	588.32
A	1390+87.09	-52.67	588.36	588.43
B	1390+97.09	-52.67	588.40	588.53
C	1391+07.09	-52.67	588.43	588.62
D	1391+17.09	-52.67	588.46	588.69
E	1391+27.09	-52.67	588.49	588.73
F	1391+37.09	-52.67	588.51	588.76
G	1391+47.09	-52.67	588.53	588.76
H	1391+57.09	-52.67	588.54	588.74
I	1391+67.09	-52.67	588.55	588.72
J	1391+77.09	-52.67	588.56	588.68
K	1391+87.09	-52.67	588.56	588.64
L	1391+97.09	-52.67	588.56	588.60
M	1392+07.09	-52.67	588.56	588.57
CL Brg. Pier	1392+18.84	-52.67	588.54	588.54
N	1392+28.84	-52.67	588.53	588.54
O	1392+38.84	-52.67	588.51	588.55
P	1392+48.84	-52.67	588.49	588.56
Q	1392+58.84	-52.67	588.46	588.58
R	1392+68.84	-52.67	588.43	588.59
S	1392+78.84	-52.67	588.40	588.60
T	1392+88.84	-52.67	588.36	588.59
U	1392+98.84	-52.67	588.32	588.57
V	1393+08.84	-52.67	588.28	588.52
W	1393+18.84	-52.67	588.23	588.46
X	1393+28.84	-52.67	588.17	588.37
Y	1393+38.84	-52.67	588.12	588.26
Z	1393+48.84	-52.67	588.05	588.14
CL Brg. N. Abut.	1393+60.59	-52.67	587.98	587.98
Bk. N. Abut.	1393+62.03	-52.67	587.97	587.97

GIRDER 3

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.D. Deflection
Bk. S. Abut.	1390+71.41	-45.33	588.44	588.44
CL Brg. S. Abut.	1390+72.85	-45.33	588.45	588.45
A	1390+82.85	-45.33	588.49	588.56
B	1390+92.85	-45.33	588.53	588.67
C	1391+02.85	-45.33	588.57	588.76
D	1391+12.85	-45.33	588.60	588.83
E	1391+22.85	-45.33	588.63	588.87
F	1391+32.85	-45.33	588.65	588.90
G	1391+42.85	-45.33	588.67	588.91
H	1391+52.85	-45.33	588.69	588.89
I	1391+62.85	-45.33	588.70	588.86
J	1391+72.85	-45.33	588.71	588.83
K	1391+82.85	-45.33	588.71	588.79
L	1391+92.85	-45.33	588.71	588.75
M	1392+02.85	-45.33	588.71	588.72
CL Brg. Pier	1392+14.60	-45.33	588.70	588.70
N	1392+24.60	-45.33	588.69	588.70
O	1392+34.60	-45.33	588.67	588.71
P	1392+44.60	-45.33	588.65	588.72
Q	1392+54.60	-45.33	588.63	588.74
R	1392+64.60	-45.33	588.60	588.76
S	1392+74.60	-45.33	588.57	588.76
T	1392+84.60	-45.33	588.53	588.76
U	1392+94.60	-45.33	588.49	588.74
V	1393+04.60	-45.33	588.45	588.69
W	1393+14.60	-45.33	588.40	588.63
X	1393+24.60	-45.33	588.35	588.54
Y	1393+34.60	-45.33	588.29	588.44
Z	1393+44.60	-45.33	588.23	588.32
CL Brg. N. Abut.	1393+56.35	-45.33	588.16	588.16
Bk. N. Abut.	1393+57.79	-45.33	588.15	588.15

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+67.17	- 38.00	588.55	588.55
CL Brg. S. Abut.	1390+68.62	- 38.00	588.55	588.55
A	1390+78.62	- 38.00	588.60	588.67
B	1390+88.62	- 38.00	588.64	588.77
C	1390+98.62	- 38.00	588.68	588.86
D	1391+08.62	- 38.00	588.71	588.93
E	1391+18.62	- 38.00	588.74	588.98
F	1391+28.62	- 38.00	588.77	589.01
G	1391+38.62	- 38.00	588.79	589.02
H	1391+48.62	- 38.00	588.80	589.01
I	1391+58.62	- 38.00	588.82	588.98
J	1391+68.62	- 38.00	588.83	588.95
K	1391+78.62	- 38.00	588.83	588.91
L	1391+88.62	- 38.00	588.84	588.88
M	1391+98.62	- 38.00	588.83	588.85
CL Brg. Pier	1392+10.37	- 38.00	588.83	588.83
N	1392+20.37	- 38.00	588.82	588.83
O	1392+30.37	- 38.00	588.80	588.84
P	1392+40.37	- 38.00	588.78	588.85
Q	1392+50.37	- 38.00	588.76	588.87
R	1392+60.37	- 38.00	588.73	588.89
S	1392+70.37	- 38.00	588.70	588.90
T	1392+80.37	- 38.00	588.67	588.90
U	1392+90.37	- 38.00	588.63	588.88
V	1393+00.37	- 38.00	588.59	588.83
W	1393+10.37	- 38.00	588.54	588.77
X	1393+20.37	- 38.00	588.49	588.69
Y	1393+30.37	- 38.00	588.44	588.58
Z	1393+40.37	- 38.00	588.38	588.46
CL Brg. N. Abut.	1393+52.12	- 38.00	588.31	588.31
Bk. N. Abut.	1393+53.56	- 38.00	588.30	588.30

TOP OF SLAB ELEVATIONS
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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JOE NO.
05R1532A

DATE
07/23/10

SHEET NO. 8

50 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1(HB)R	Rock Island	503	141
		CONTRACT NO. 64815		
ILLINOIS		FED. AID PROJECT		

LAYOUT	JKR/FLN	04/05/10
DRAWN	MGM/JDM	07/21/10
REVIEWED	JKR/FLN	07/21/10

LAYOUT 1407/11/04/05/10
DRAWN MGL/DM/07/21/10
REVIEWED JBR/FEN/07/21/10
07/22/2010
c:\pwworkspace\hanson\project\081-0188-0189-0091-05.dwg

SB STAGE I CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+65.35	-34.83	588.59	588.59
CL Brg. S. Abut.	1390+66.79	-34.83	588.59	588.59
A	1390+76.79	-34.83	588.64	588.71
B	1390+86.79	-34.83	588.68	588.82
C	1390+96.79	-34.83	588.72	588.91
D	1391+06.79	-34.83	588.75	588.98
E	1391+16.79	-34.83	588.78	589.03
F	1391+26.79	-34.83	588.81	589.06
G	1391+36.79	-34.83	588.83	589.06
H	1391+46.79	-34.83	588.85	589.05
I	1391+56.79	-34.83	588.87	589.03
J	1391+66.79	-34.83	588.88	589.00
K	1391+76.79	-34.83	588.88	588.96
L	1391+86.79	-34.83	588.89	588.93
M	1391+96.79	-34.83	588.88	588.90
CL Brg. Pier	1392+08.54	-34.83	588.88	588.88
N	1392+18.54	-34.83	588.87	588.88
O	1392+28.54	-34.83	588.85	588.89
P	1392+38.54	-34.83	588.84	588.91
Q	1392+48.54	-34.83	588.81	588.93
R	1392+58.54	-34.83	588.79	588.94
S	1392+68.54	-34.83	588.76	588.95
T	1392+78.54	-34.83	588.73	588.95
U	1392+88.54	-34.83	588.69	588.93
V	1392+98.54	-34.83	588.65	588.89
W	1393+08.54	-34.83	588.60	588.83
X	1393+18.54	-34.83	588.55	588.75
Y	1393+28.54	-34.83	588.50	588.64
Z	1393+38.54	-34.83	588.44	588.52
CL Brg. N. Abut.	1393+50.29	-34.83	588.37	588.37
Bk. N. Abut.	1393+51.73	-34.83	588.36	588.36

S.B. CENTERLINE ROADWAY, P.G.L. &
STAGE II CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+63.71	-32.00	588.62	588.62
CL Brg. S. Abut.	1390+65.15	-32.00	588.63	588.63
A	1390+75.15	-32.00	588.68	588.75
B	1390+85.15	-32.00	588.72	588.85
C	1390+95.15	-32.00	588.76	588.94
D	1391+05.15	-32.00	588.79	589.02
E	1391+15.15	-32.00	588.82	589.07
F	1391+25.15	-32.00	588.85	589.10
G	1391+35.15	-32.00	588.87	589.11
H	1391+45.15	-32.00	588.89	589.10
I	1391+55.15	-32.00	588.91	589.07
J	1391+65.15	-32.00	588.92	589.04
K	1391+75.15	-32.00	588.93	589.00
L	1391+85.15	-32.00	588.93	588.97
M	1391+95.15	-32.00	588.93	588.94
CL Brg. Pier	1392+06.90	-32.00	588.92	588.92
N	1392+16.90	-32.00	588.91	588.92
O	1392+26.90	-32.00	588.90	588.94
P	1392+36.90	-32.00	588.88	588.95
Q	1392+46.90	-32.00	588.86	588.97
R	1392+56.90	-32.00	588.84	588.99
S	1392+66.90	-32.00	588.81	589.00
T	1392+76.90	-32.00	588.78	589.00
U	1392+86.90	-32.00	588.74	588.98
V	1392+96.90	-32.00	588.70	588.94
W	1393+06.90	-32.00	588.65	588.88
X	1393+16.90	-32.00	588.60	588.80
Y	1393+26.90	-32.00	588.55	588.70
Z	1393+36.90	-32.00	588.49	588.58
CL Brg. N. Abut.	1393+48.65	-32.00	588.42	588.42
Bk. N. Abut.	1393+50.10	-32.00	588.41	588.41

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+62.94	-30.67	588.60	588.60
CL Brg. S. Abut.	1390+64.38	-30.67	588.61	588.61
A	1390+74.38	-30.67	588.65	588.72
B	1390+84.38	-30.67	588.70	588.83
C	1390+94.38	-30.67	588.73	588.92
D	1391+04.38	-30.67	588.77	588.99
E	1391+14.38	-30.67	588.80	589.05
F	1391+24.38	-30.67	588.83	589.07
G	1391+34.38	-30.67	588.85	589.08
H	1391+44.38	-30.67	588.87	589.07
I	1391+54.38	-30.67	588.89	589.05
J	1391+64.38	-30.67	588.90	589.02
K	1391+74.38	-30.67	588.91	588.98
L	1391+84.38	-30.67	588.91	588.95
M	1391+94.38	-30.67	588.91	588.92
CL Brg. Pier	1392+06.13	-30.67	588.90	588.90
N	1392+16.13	-30.67	588.89	588.90
O	1392+26.13	-30.67	588.88	588.92
P	1392+36.13	-30.67	588.86	588.93
Q	1392+46.13	-30.67	588.84	588.96
R	1392+56.13	-30.67	588.82	588.97
S	1392+66.13	-30.67	588.79	588.99
T	1392+76.13	-30.67	588.76	588.98
U	1392+86.13	-30.67	588.72	588.96
V	1392+96.13	-30.67	588.68	588.93
W	1393+06.13	-30.67	588.61	588.86
X	1393+16.13	-30.67	588.59	588.78
Y	1393+26.13	-30.67	588.53	588.68
Z	1393+36.13	-30.67	588.48	588.56
CL Brg. N. Abut.	1393+47.88	-30.67	588.41	588.41
Bk. N. Abut.	1393+49.33	-30.67	588.40	588.40

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+58.71	-23.33	588.46	588.46
CL Brg. S. Abut.	1390+60.15	-23.33	588.47	588.47
A	1390+70.15	-23.33	588.52	588.59
B	1390+80.15	-23.33	588.56	588.70
C	1390+90.15	-23.33	588.60	588.79
D	1391+00.15	-23.33	588.64	588.86
E	1391+10.15	-23.33	588.67	588.92
F	1391+20.15	-23.33	588.70	588.95
G	1391+30.15	-23.33	588.73	588.96
H	1391+40.15	-23.33	588.75	588.95
I	1391+50.15	-23.33	588.77	588.93
J	1391+60.15	-23.33	588.78	588.90
K	1391+70.15	-23.33	588.79	588.87
L	1391+80.15	-23.33	588.79	588.83
M	1391+90.15	-23.33	588.79	588.81
CL Brg. Pier	1392+01.90	-23.33	588.79	588.79
N	1392+11.90	-23.33	588.78	588.79
O	1392+21.90	-23.33	588.77	588.81
P	1392+31.90	-23.33	588.76	588.83
Q	1392+41.90	-23.33	588.74	588.85
R	1392+51.90	-23.33	588.71	588.87
S	1392+61.90	-23.33	588.69	588.88
T	1392+71.90	-23.33	588.66	588.88
U	1392+81.90	-23.33	588.62	588.87
V	1392+91.90	-23.33	588.58	588.83
W	1393+01.90	-23.33	588.54	588.77
X	1393+11.90	-23.33	588.49	588.69
Y	1393+21.90	-23.33	588.44	588.59
Z	1393+31.90	-23.33	588.39	588.47
CL Brg. N. Abut.	1393+43.65	-23.33	588.32	588.32
Bk. N. Abut.	1393+45.09	-23.33	588.31	588.31

TOP OF SLAB ELEVATIONS
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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JOB NO.
05R1532A
DATE
07/23/10

SHEET NO. 9
50 SHEETS

F.A.I.
RTE.
280

SECTION
81-1(HB)R

COUNTY
Rock Island

TOTAL
SHEETS
503

SHEET
NO.
142

CONTRACT NO. 64815

ILLINOIS FED. AID PROJECT

GIRDER 7

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+54.47	-16.00	588.30	588.30
CL Brg. S. Abut.	1390+55.92	-16.00	588.31	588.31
A	1390+65.92	-16.00	588.36	588.43
B	1390+75.92	-16.00	588.41	588.54
C	1390+85.92	-16.00	588.45	588.64
D	1390+95.92	-16.00	588.49	588.71
E	1391+05.92	-16.00	588.52	588.77
F	1391+15.92	-16.00	588.56	588.80
G	1391+25.92	-16.00	588.58	588.81
H	1391+35.92	-16.00	588.60	588.81
I	1391+45.92	-16.00	588.62	588.79
J	1391+55.92	-16.00	588.64	588.76
K	1391+65.92	-16.00	588.65	588.73
L	1391+75.92	-16.00	588.66	588.70
M	1391+85.92	-16.00	588.66	588.67
CL Brg. Pier	1391+97.67	-16.00	588.66	588.66
N	1392+07.67	-16.00	588.65	588.66
O	1392+17.67	-16.00	588.64	588.68
P	1392+27.67	-16.00	588.63	588.70
Q	1392+37.67	-16.00	588.61	588.72
R	1392+47.67	-16.00	588.59	588.75
S	1392+57.67	-16.00	588.56	588.76
T	1392+67.67	-16.00	588.54	588.76
U	1392+77.67	-16.00	588.50	588.75
V	1392+87.67	-16.00	588.46	588.71
W	1392+97.67	-16.00	588.42	588.65
X	1393+07.67	-16.00	588.38	588.57
Y	1393+17.67	-16.00	588.33	588.47
Z	1393+27.67	-16.00	588.28	588.36
CL Brg. N. Abut.	1393+39.42	-16.00	588.21	588.21
Bk. N. Abut.	1393+40.86	-16.00	588.20	588.20

GIRDER 8

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+35.98	16.00	588.20	588.20
CL Brg. S. Abut.	1390+37.42	16.00	588.21	588.21
A	1390+47.42	16.00	588.27	588.34
B	1390+57.42	16.00	588.32	588.45
C	1390+67.42	16.00	588.37	588.56
D	1390+77.42	16.00	588.42	588.64
E	1390+87.42	16.00	588.46	588.70
F	1390+97.42	16.00	588.50	588.74
G	1391+07.42	16.00	588.53	588.76
H	1391+17.42	16.00	588.56	588.76
I	1391+27.42	16.00	588.59	588.75
J	1391+37.42	16.00	588.61	588.73
K	1391+47.42	16.00	588.63	588.70
L	1391+57.42	16.00	588.64	588.68
M	1391+67.42	16.00	588.65	588.66
CL Brg. Pier	1391+79.17	16.00	588.66	588.66
N	1391+89.17	16.00	588.66	588.67
O	1391+99.17	16.00	588.66	588.69
P	1392+09.17	16.00	588.65	588.72
Q	1392+19.17	16.00	588.64	588.75
R	1392+29.17	16.00	588.63	588.78
S	1392+39.17	16.00	588.61	588.80
T	1392+49.17	16.00	588.59	588.81
U	1392+59.17	16.00	588.56	588.80
V	1392+69.17	16.00	588.53	588.78
W	1392+79.17	16.00	588.50	588.73
X	1392+89.17	16.00	588.46	588.65
Y	1392+99.17	16.00	588.42	588.56
Z	1393+09.17	16.00	588.37	588.45
CL Brg. N. Abut.	1393+20.92	16.00	588.31	588.31
Bk. N. Abut.	1393+22.36	16.00	588.30	588.30

GIRDER 9

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+31.74	23.33	588.31	588.31
CL Brg. S. Abut.	1390+33.19	23.33	588.32	588.32
A	1390+43.19	23.33	588.38	588.45
B	1390+53.19	23.33	588.43	588.57
C	1390+63.19	23.33	588.48	588.67
D	1390+73.19	23.33	588.53	588.76
E	1390+83.19	23.33	588.58	588.82
F	1390+93.19	23.33	588.62	588.86
G	1391+03.19	23.33	588.65	588.88
H	1391+13.19	23.33	588.68	588.89
I	1391+23.19	23.33	588.71	588.87
J	1391+33.19	23.33	588.73	588.85
K	1391+43.19	23.33	588.75	588.83
L	1391+53.19	23.33	588.77	588.81
M	1391+63.19	23.33	588.78	588.80
CL Brg. Pier	1391+74.94	23.33	588.79	588.79
N	1391+84.94	23.33	588.79	588.80
O	1391+94.94	23.33	588.79	588.83
P	1392+04.94	23.33	588.79	588.86
Q	1392+14.94	23.33	588.78	588.89
R	1392+24.94	23.33	588.77	588.92
S	1392+34.94	23.33	588.75	588.95
T	1392+44.94	23.33	588.73	588.96
U	1392+54.94	23.33	588.71	588.95
V	1392+64.94	23.33	588.68	588.92
W	1392+74.94	23.33	588.65	588.88
X	1392+84.94	23.33	588.61	588.80
Y	1392+94.94	23.33	588.57	588.72
Z	1393+04.94	23.33	588.53	588.61
CL Brg. N. Abut.	1393+16.69	23.33	588.47	588.47
Bk. N. Abut.	1393+18.13	23.33	588.46	588.46

GIRDER 10

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+27.51	30.67	588.40	588.40
CL Brg. S. Abut.	1390+28.95	30.67	588.41	588.41
A	1390+38.95	30.67	588.47	588.54
B	1390+48.95	30.67	588.53	588.66
C	1390+58.95	30.67	588.58	588.76
D	1390+68.95	30.67	588.63	588.85
E	1390+78.95	30.67	588.67	588.92
F	1390+88.95	30.67	588.71	588.96
G	1390+98.95	30.67	588.75	588.98
H	1391+08.95	30.67	588.78	588.99
I	1391+18.95	30.67	588.81	588.98
J	1391+28.95	30.67	588.84	588.96
K	1391+38.95	30.67	588.86	588.94
L	1391+48.95	30.67	588.88	588.92
M	1391+58.95	30.67	588.89	588.91
CL Brg. Pier	1391+70.70	30.67	588.90	588.90
N	1391+80.70	30.67	588.91	588.92
O	1391+90.70	30.67	588.91	588.94
P	1392+00.70	30.67	588.91	588.98
Q	1392+10.70	30.67	588.90	589.01
R	1392+20.70	30.67	588.89	589.04
S	1392+30.70	30.67	588.87	589.07
T	1392+40.70	30.67	588.86	589.08
U	1392+50.70	30.67	588.83	589.08
V	1392+60.70	30.67	588.81	589.05
W	1392+70.70	30.67	588.78	589.00
X	1392+80.70	30.67	588.74	588.94
Y	1392+90.70	30.67	588.70	588.85
Z	1393+00.70	30.67	588.66	588.74
CL Brg. N. Abut.	1393+12.45	30.67	588.61	588.61
Bk. N. Abut.	1393+13.90	30.67	588.60	588.60

TOP OF SLAB ELEVATIONS
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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JOB NO.
05R1532A

SHEET NO. 10

DATE
07/23/10

50 SHEETS

F.A.I.
RTE.
280

SECTION
81-(HB)R

COUNTY
Rock Island

TOTAL
SHEETS
503

SHEET
NO.
143

CONTRACT NO. 64815

ILLINOIS FED. AID PROJECT

N.B. CENTERLINE ROADWAY, P.G.L. &
STAGE II CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+26.74	32.00	588.41	588.41
CL Brg. S. Abut.	1390+28.18	32.00	588.42	588.42
A	1390+38.18	32.00	588.48	588.55
B	1390+48.18	32.00	588.54	588.68
C	1390+58.18	32.00	588.60	588.78
D	1390+68.18	32.00	588.64	588.87
E	1390+78.18	32.00	588.69	588.93
F	1390+88.18	32.00	588.73	588.98
G	1390+98.18	32.00	588.77	589.00
H	1391+08.18	32.00	588.80	589.01
I	1391+18.18	32.00	588.83	589.00
J	1391+28.18	32.00	588.86	588.98
K	1391+38.18	32.00	588.88	588.96
L	1391+48.18	32.00	588.90	588.94
M	1391+58.18	32.00	588.91	588.93
CL Brg. Pier	1391+69.93	32.00	588.92	588.92
N	1391+79.93	32.00	588.93	588.94
O	1391+89.93	32.00	588.93	588.97
P	1391+99.93	32.00	588.93	589.00
Q	1392+09.93	32.00	588.92	589.03
R	1392+19.93	32.00	588.91	589.07
S	1392+29.93	32.00	588.90	589.09
T	1392+39.93	32.00	588.88	589.10
U	1392+49.93	32.00	588.86	589.10
V	1392+59.93	32.00	588.83	589.07
W	1392+69.93	32.00	588.80	589.03
X	1392+79.93	32.00	588.76	588.96
Y	1392+89.93	32.00	588.73	588.87
Z	1392+99.93	32.00	588.68	588.77
CL Brg. N. Abut.	1393+11.68	32.00	588.63	588.63
Bk. N. Abut.	1393+13.13	32.00	588.62	588.62

N.B. STAGE I CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+25.10	34.83	588.36	588.36
CL Brg. S. Abut.	1390+26.55	34.83	588.37	588.37
A	1390+36.55	34.83	588.43	588.50
B	1390+46.55	34.83	588.49	588.62
C	1390+56.55	34.83	588.54	588.73
D	1390+66.55	34.83	588.59	588.82
E	1390+76.55	34.83	588.64	588.88
F	1390+86.55	34.83	588.68	588.93
G	1390+96.55	34.83	588.72	588.95
H	1391+06.55	34.83	588.75	588.96
I	1391+16.55	34.83	588.78	588.95
J	1391+26.55	34.83	588.81	588.93
K	1391+36.55	34.83	588.83	588.91
L	1391+46.55	34.83	588.85	588.89
M	1391+56.55	34.83	588.87	588.88
CL Brg. Pier	1391+68.30	34.83	588.88	588.88
N	1391+78.30	34.83	588.88	588.89
O	1391+88.30	34.83	588.89	588.92
P	1391+98.30	34.83	588.88	588.95
Q	1392+08.30	34.83	588.88	588.99
R	1392+18.30	34.83	588.87	589.02
S	1392+28.30	34.83	588.85	589.05
T	1392+38.30	34.83	588.84	589.06
U	1392+48.30	34.83	588.81	589.06
V	1392+58.30	34.83	588.79	589.03
W	1392+68.30	34.83	588.76	588.99
X	1392+78.30	34.83	588.73	588.92
Y	1392+88.30	34.83	588.69	588.83
Z	1392+98.30	34.83	588.65	588.73
CL Brg. N. Abut.	1393+10.05	34.83	588.59	588.59
Bk. N. Abut.	1393+11.49	34.83	588.59	588.59

GIRDER 11

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+23.28	38.00	588.30	588.30
CL Brg. S. Abut.	1390+24.72	38.00	588.31	588.31
A	1390+34.72	38.00	588.37	588.44
B	1390+44.72	38.00	588.43	588.56
C	1390+54.72	38.00	588.48	588.67
D	1390+64.72	38.00	588.53	588.76
E	1390+74.72	38.00	588.58	588.83
F	1390+84.72	38.00	588.62	588.87
G	1390+94.72	38.00	588.66	588.89
H	1391+04.72	38.00	588.70	588.90
I	1391+14.72	38.00	588.73	588.89
J	1391+24.72	38.00	588.76	588.88
K	1391+34.72	38.00	588.78	588.86
L	1391+44.72	38.00	588.80	588.84
M	1391+54.72	38.00	588.81	588.83
CL Brg. Pier	1391+66.47	38.00	588.83	588.83
N	1391+76.47	38.00	588.83	588.84
O	1391+86.47	38.00	588.84	588.87
P	1391+96.47	38.00	588.83	588.91
Q	1392+06.47	38.00	588.83	588.94
R	1392+16.47	38.00	588.82	588.96
S	1392+26.47	38.00	588.81	589.00
T	1392+36.47	38.00	588.79	589.02
U	1392+46.47	38.00	588.77	589.01
V	1392+56.47	38.00	588.74	588.99
W	1392+66.47	38.00	588.72	588.91
X	1392+76.47	38.00	588.69	588.88
Y	1392+86.47	38.00	588.65	588.79
Z	1392+96.47	38.00	588.61	588.69
CL Brg. N. Abut.	1393+08.22	38.00	588.55	588.55
Bk. N. Abut.	1393+09.66	38.00	588.55	588.55

GIRDER 12

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+19.04	45.33	588.15	588.15
CL Brg. S. Abut.	1390+20.49	45.33	588.16	588.16
A	1390+30.49	45.33	588.22	588.29
B	1390+40.49	45.33	588.28	588.42
C	1390+50.49	45.33	588.34	588.53
D	1390+60.49	45.33	588.39	588.62
E	1390+70.49	45.33	588.44	588.68
F	1390+80.49	45.33	588.48	588.73
G	1390+90.49	45.33	588.53	588.76
H	1391+00.49	45.33	588.56	588.76
I	1391+10.49	45.33	588.59	588.76
J	1391+20.49	45.33	588.62	588.74
K	1391+30.49	45.33	588.65	588.73
L	1391+40.49	45.33	588.67	588.71
M	1391+50.49	45.33	588.69	588.70
CL Brg. Pier	1391+62.24	45.33	588.70	588.70
N	1391+72.24	45.33	588.71	588.72
O	1391+82.24	45.33	588.71	588.75
P	1391+92.24	45.33	588.71	588.78
Q	1392+02.24	45.33	588.71	588.82
R	1392+12.24	45.33	588.70	588.86
S	1392+22.24	45.33	588.69	588.89
T	1392+32.24	45.33	588.68	588.90
U	1392+42.24	45.33	588.66	588.90
V	1392+52.24	45.33	588.63	588.88
W	1392+62.24	45.33	588.61	588.84
X	1392+72.24	45.33	588.58	588.77
Y	1392+82.24	45.33	588.54	588.69
Z	1392+92.24	45.33	588.50	588.58
CL Brg. N. Abut.	1393+03.99	45.33	588.45	588.45
Bk. N. Abut.	1393+05.43	45.33	588.44	588.44

TOP OF SLAB ELEVATIONS
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

GIRDER 13

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+14.81	52.67	587.97	587.97
CL Brg. S. Abut.	1390+16.25	52.67	587.98	587.98
A	1390+26.25	52.67	588.04	588.11
B	1390+36.25	52.67	588.10	588.24
C	1390+46.25	52.67	588.16	588.35
D	1390+56.25	52.67	588.22	588.44
E	1390+66.25	52.67	588.27	588.51
F	1390+76.25	52.67	588.31	588.56
G	1390+86.25	52.67	588.36	588.59
H	1390+96.25	52.67	588.39	588.60
I	1391+06.25	52.67	588.43	588.59
J	1391+16.25	52.67	588.46	588.58
K	1391+26.25	52.67	588.49	588.56
L	1391+36.25	52.67	588.51	588.55
M	1391+46.25	52.67	588.53	588.54
CL Brg. Pier	1391+58.00	52.67	588.54	588.54
N	1391+68.00	52.67	588.55	588.56
O	1391+78.00	52.67	588.56	588.60
P	1391+88.00	52.67	588.56	588.63
Q	1391+98.00	52.67	588.56	588.67
R	1392+08.00	52.67	588.55	588.71
S	1392+18.00	52.67	588.54	588.74
T	1392+28.00	52.67	588.53	588.76
U	1392+38.00	52.67	588.51	588.76
V	1392+48.00	52.67	588.49	588.74
W	1392+58.00	52.67	588.47	588.70
X	1392+68.00	52.67	588.44	588.63
Y	1392+78.00	52.67	588.40	588.55
Z	1392+88.00	52.67	588.37	588.45
CL Brg. N. Abut.	1392+99.75	52.67	588.32	588.32
Bk. N. Abut.	1393+01.19	52.67	588.31	588.31

GIRDER 14

Location	Station	Offset	Theoretical Grade Elevations	Theo. Grade Elevations Adj. for D.L. Deflection
Bk. S. Abut.	1390+10.57	60.00	587.78	587.78
CL Brg. S. Abut.	1390+12.02	60.00	587.79	587.79
A	1390+22.02	60.00	587.86	587.93
B	1390+32.02	60.00	587.93	588.06
C	1390+42.02	60.00	587.99	588.17
D	1390+52.02	60.00	588.04	588.27
E	1390+62.02	60.00	588.09	588.34
F	1390+72.02	60.00	588.14	588.39
G	1390+82.02	60.00	588.19	588.42
H	1390+92.02	60.00	588.23	588.43
I	1391+02.02	60.00	588.26	588.42
J	1391+12.02	60.00	588.29	588.41
K	1391+22.02	60.00	588.32	588.40
L	1391+32.02	60.00	588.35	588.39
M	1391+42.02	60.00	588.37	588.38
CL Brg. Pier	1391+53.77	60.00	588.39	588.39
N	1391+63.77	60.00	588.40	588.41
O	1391+73.77	60.00	588.40	588.44
P	1391+83.77	60.00	588.41	588.48
Q	1391+93.77	60.00	588.41	588.52
R	1392+03.77	60.00	588.40	588.56
S	1392+13.77	60.00	588.40	588.59
T	1392+23.77	60.00	588.38	588.61
U	1392+33.77	60.00	588.37	588.61
V	1392+43.77	60.00	588.35	588.59
W	1392+53.77	60.00	588.32	588.55
X	1392+63.77	60.00	588.30	588.49
Y	1392+73.77	60.00	588.27	588.41
Z	1392+83.77	60.00	588.23	588.31
CL Brg. N. Abut.	1392+95.52	60.00	588.18	588.18
Bk. N. Abut.	1392+96.96	60.00	588.18	588.18

TOP OF SLAB ELEVATIONS
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

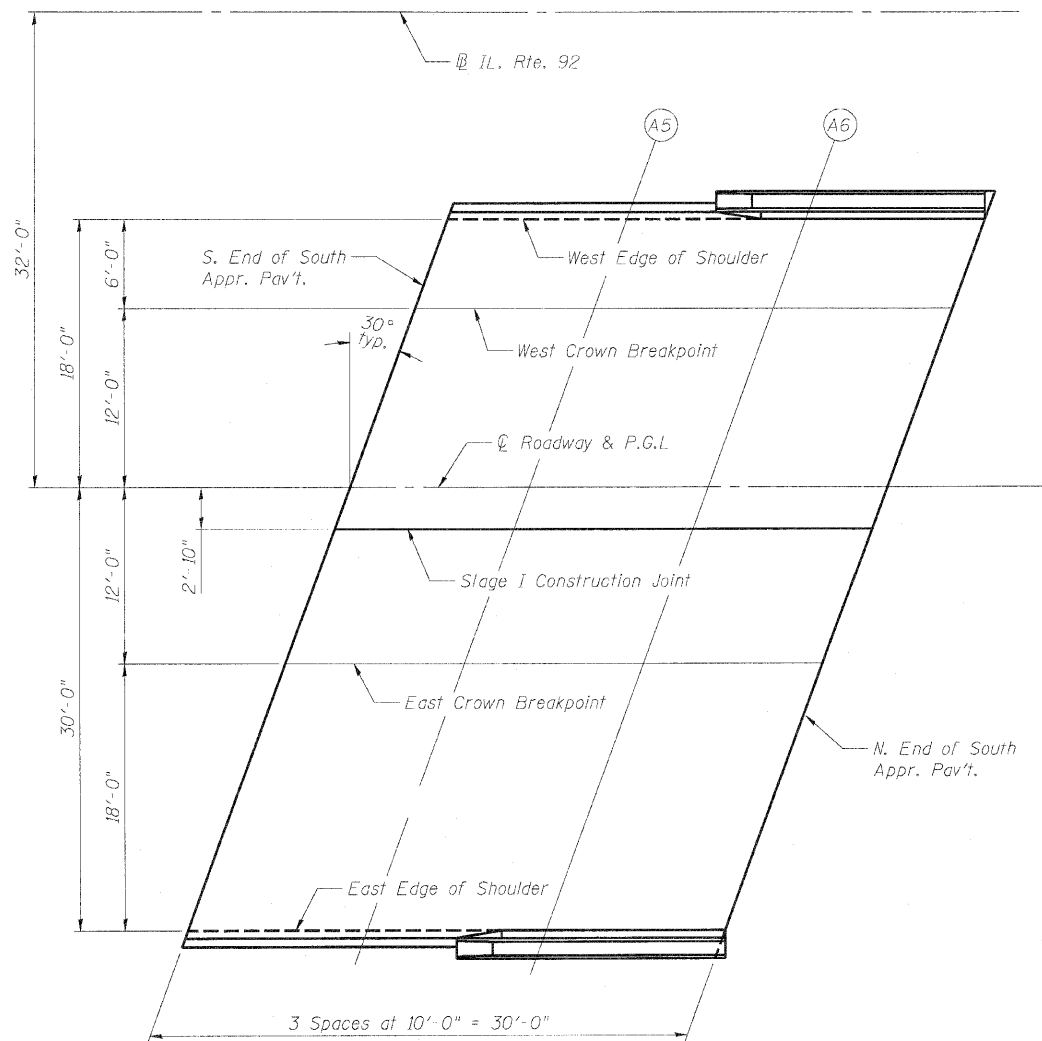
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JOB NO. 05R1532A	SHEET NO. 12	F.A.I. RTE. 280	SECTION 81-1(HB)R	COUNTY Rock Island	TOTAL SHEETS 503	SHEET NO. 145
DATE 07/23/10	50 SHEETS	CONTRACT NO. 64815				
ILLINOIS FED. AID PROJECT						

07/22/10
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LAVOLI
DRAWN
REVIEWED
07/21/10
07/21/10
07/21/10



Notes:
Offsets are to @ IL. Rte. 92.
Negative (-) offsets are offsets to the left of the @ while looking upstation.

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1390+07.13	14.00	587.97
A5	1390+17.13	14.00	588.04
A6	1390+27.13	14.00	588.10
N. End South Appr. Pav't.	1390+37.13	14.00	588.17

WEST CROWN BREAKPOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1390+03.67	20.00	588.07
A5	1390+13.67	20.00	588.14
A6	1390+23.67	20.00	588.21
N. End South Appr. Pav't.	1390+33.67	20.00	588.27

CL ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1389+96.74	32.00	588.20
A5	1390+06.74	32.00	588.28
A6	1390+16.74	32.00	588.35
N. End South Appr. Pav't.	1390+26.74	32.00	588.41

STAGE I CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1389+95.10	34.83	588.15
A5	1390+05.10	34.83	588.22
A6	1390+15.10	34.83	588.29
N. End South Appr. Pav't.	1390+25.10	34.83	588.36

EAST CROWN BREAKPOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1389+89.81	44.00	587.96
A5	1389+99.81	44.00	588.04
A6	1390+09.81	44.00	588.11
N. End South Appr. Pav't.	1390+19.81	44.00	588.18

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1389+79.42	62.00	587.50
A5	1389+89.42	62.00	587.59
A6	1389+99.42	62.00	587.66
N. End South Appr. Pav't.	1390+09.42	62.00	587.73

**TOP OF APPROACH SLAB ELEVATIONS
SOUTH APPROACH - N.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)**

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JOB NO.
05R1532A

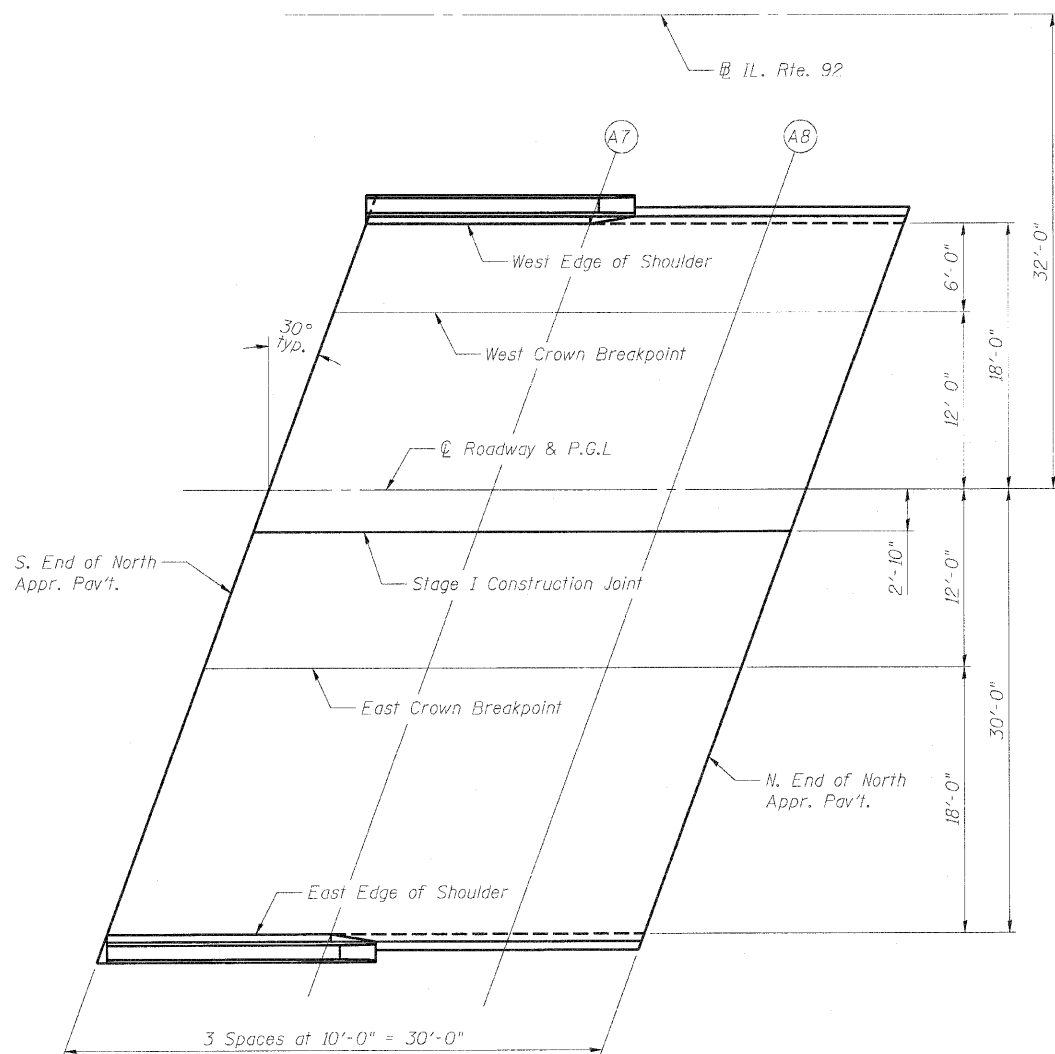
SHEET NO. 13

50 SHEETS

DATE
07/23/10

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1(HB)R	Rock Island	503	146
CONTRACT NO. 64815				
ILLINOIS FED. AID PROJECT				

LAYOUT 07/23/10
DRAWN 07/23/10
REVIEWED 07/23/10



Notes:
Offsets are to $\varnothing$ IL. Rte. 92.
Negative (-) offsets are offsets to the left of the $\varnothing$ while looking upstation.

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1393+23.52	14.00	588.26
A7	1393+33.52	14.00	588.20
A8	1393+43.52	14.00	588.14
N. End North Appr. Pav't.	1393+53.52	14.00	588.08

WEST CROWN BREAKPOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1393+20.05	20.00	588.40
A7	1393+30.05	20.00	588.35
A8	1393+40.05	20.00	588.29
N. End North Appr. Pav't.	1393+50.05	20.00	588.23

CL ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1393+13.13	32.00	588.62
A7	1393+23.13	32.00	588.57
A8	1393+33.13	32.00	588.52
N. End North Appr. Pav't.	1393+43.13	32.00	588.46

STAGE I CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1393+11.49	34.83	588.59
A7	1393+21.49	34.83	588.54
A8	1393+31.49	34.83	588.48
N. End North Appr. Pav't.	1393+41.49	34.83	588.42

EAST CROWN BREAKPOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1393+06.20	44.00	588.47
A7	1393+16.20	44.00	588.42
A8	1393+26.20	44.00	588.37
N. End North Appr. Pav't.	1393+36.20	44.00	588.31

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1392+95.80	62.00	588.14
A7	1393+05.80	62.00	588.10
A8	1393+15.80	62.00	588.05
N. End North Appr. Pav't.	1393+25.80	62.00	587.99

TOP OF APPROACH SLAB ELEVATIONS NORTH APPROACH - N.B. STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

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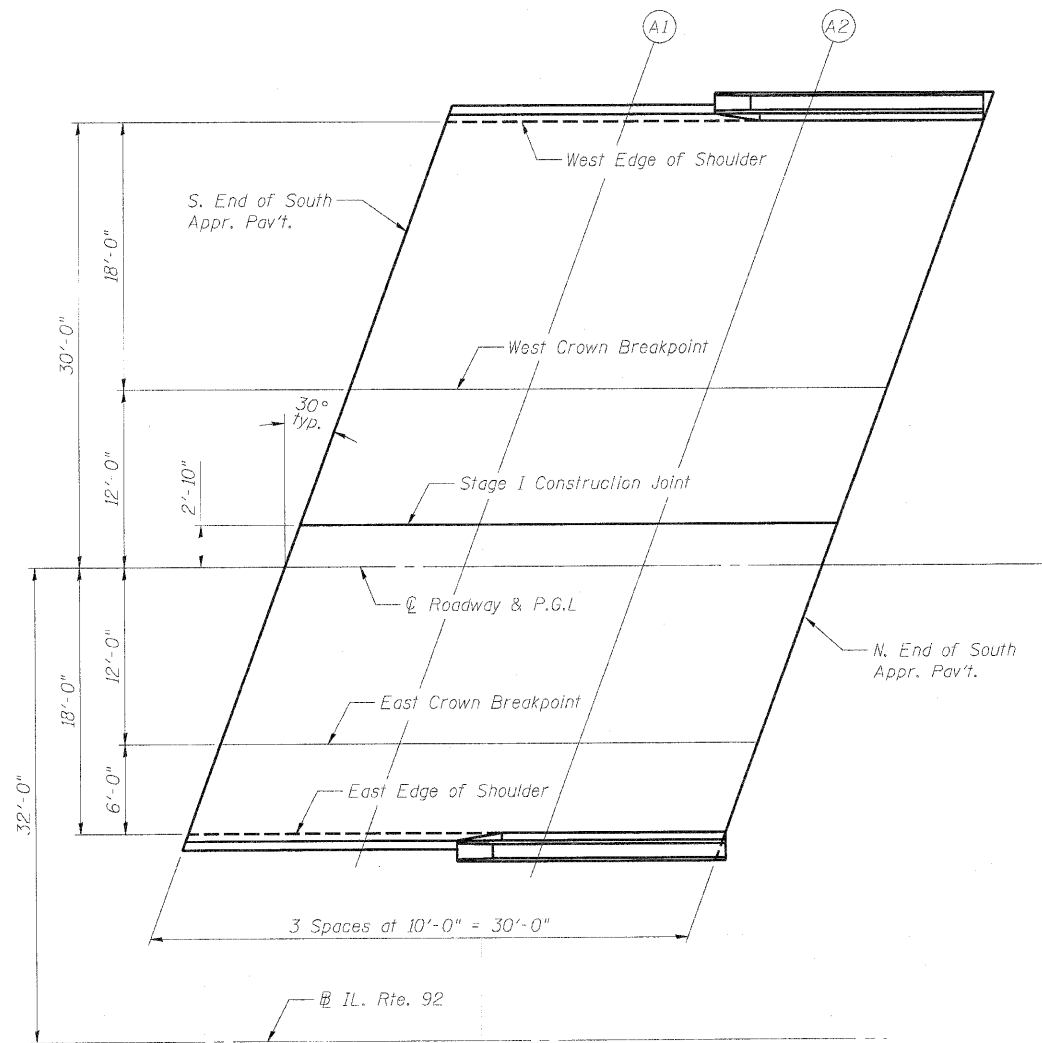


JOB NO.
05R1532A
DATE
07/23/10

SHEET NO. 14
50 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81- (HB)R	Rock Island	503	147
CONTRACT NO. 64815				
ILLINOIS FED. AID PROJECT				

LAYOUT 04/05/10
DRAWN 07/21/10
REVIEWED 07/21/10
07/23/10
checked: wcr/vas not dated/and 1582/08/09/6815-05-TDS S. App. S.D.07



PLAN
South Approach (S.B.)

Notes:
Offsets are to IL. Rte. 92.
Negative (-) offsets are offsets to the left of the CL while looking upstation.

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1390+51.03	-62.00	587.99
A1	1390+61.03	-62.00	588.05
A2	1390+71.03	-62.00	588.10
N. End South Appr. Pav't.	1390+81.03	-62.00	588.14

WEST CROWN BREAKPOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1390+40.64	-44.00	588.31
A1	1390+50.64	-44.00	588.37
A2	1390+60.64	-44.00	588.42
N. End South Appr. Pav't.	1390+70.64	-44.00	588.47

STAGE I CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1390+35.35	-34.83	588.42
A1	1390+45.35	-34.83	588.48
A2	1390+55.35	-34.83	588.54
N. End South Appr. Pav't.	1390+65.35	-34.83	588.59

CL ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1390+33.71	-32.00	588.46
A1	1390+43.71	-32.00	588.52
A2	1390+53.71	-32.00	588.57
N. End South Appr. Pav't.	1390+63.71	-32.00	588.62

EAST CROWN BREAKPOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1390+26.78	-20.00	588.23
A1	1390+36.78	-20.00	588.29
A2	1390+46.78	-20.00	588.35
N. End South Appr. Pav't.	1390+56.78	-20.00	588.40

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Pav't.	1390+23.32	-14.00	588.08
A1	1390+33.32	-14.00	588.14
A2	1390+43.32	-14.00	588.20
N. End South Appr. Pav't.	1390+53.32	-14.00	588.26

TOP OF APPROACH SLAB ELEVATIONS
SOUTH APPROACH - S.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

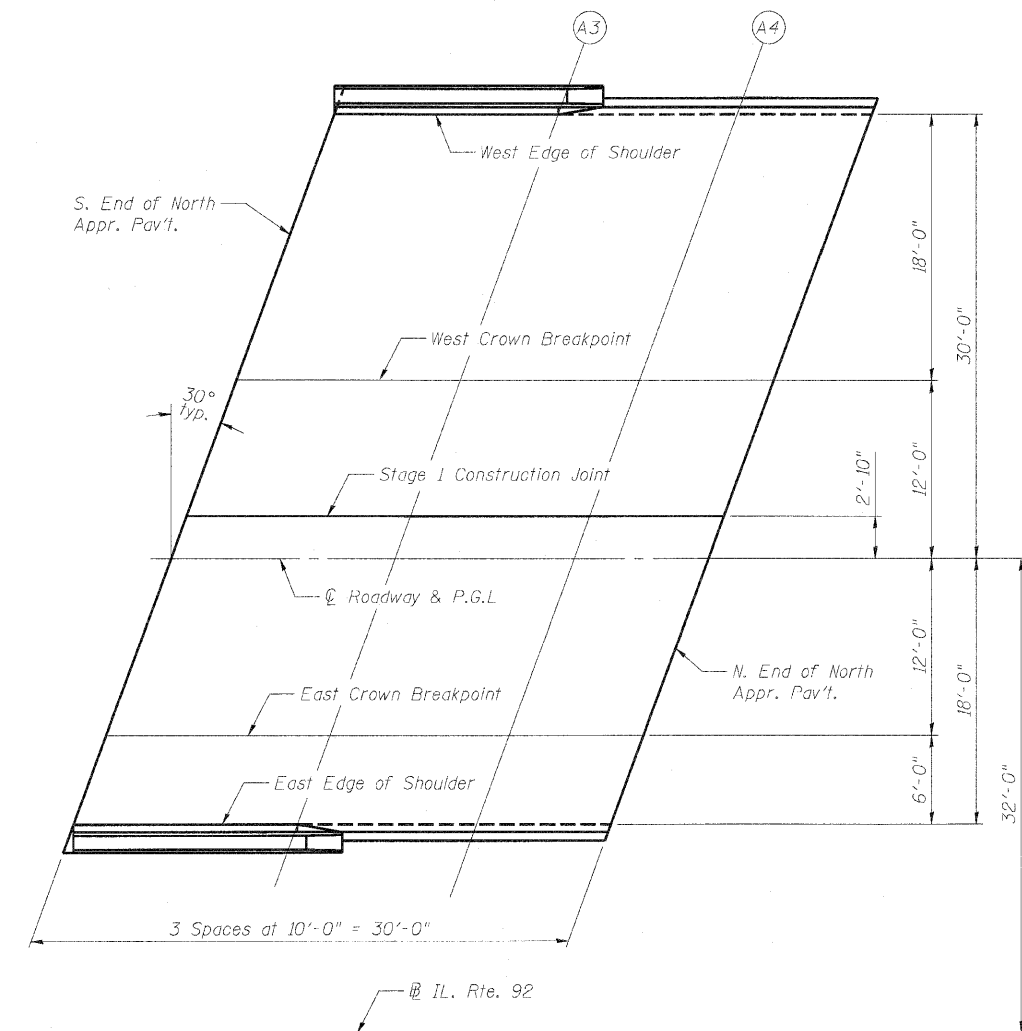
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JOB NO.
05R1532A
DATE
07/23/10

SHEET NO. 15
50 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1(HB)R	Rock Island	503	148
CONTRACT NO. 64815				
ILLINOIS FED. AID PROJECT				



PLAN
North Approach (S.B.)

Notes:
Offsets are to IL. Rte. 92.
Negative (-) offsets are offsets to the left of the IL while looking upstation.

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1393+67.42	-62.00	587.73
A3	1393+77.42	-62.00	587.66
A4	1393+87.42	-62.00	587.59
N. End North Appr. Pav't.	1393+97.42	-62.00	587.50

WEST CROWN BREAKPOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1393+57.02	-44.00	588.18
A3	1393+67.02	-44.00	588.11
A4	1393+77.02	-44.00	588.04
N. End North Appr. Pav't.	1393+87.02	-44.00	587.96

STAGE I CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1393+51.73	-34.83	588.36
A3	1393+61.73	-34.83	588.29
A4	1393+71.73	-34.83	588.22
N. End North Appr. Pav't.	1393+81.73	-34.83	588.15

CL ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1393+50.10	-32.00	588.41
A3	1393+60.10	-32.00	588.35
A4	1393+70.10	-32.00	588.28
N. End North Appr. Pav't.	1393+80.10	-32.00	588.20

EAST CROWN BREAKPOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1393+43.17	-20.00	588.27
A3	1393+53.17	-20.00	588.21
A4	1393+63.17	-20.00	588.14
N. End North Appr. Pav't.	1393+73.17	-20.00	588.07

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End North Appr. Pav't.	1393+39.70	-14.00	588.17
A3	1393+49.70	-14.00	588.10
A4	1393+59.70	-14.00	588.04
N. End North Appr. Pav't.	1393+69.70	-14.00	587.97

TOP OF APPROACH SLAB ELEVATIONS
NORTH APPROACH - S.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

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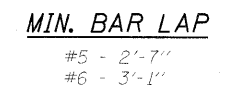


JOB NO.
05R1532A
DATE
07/23/10

SHEET NO. 16
50 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81- (H&B)R	Rock Island	503	149
CONTRACT NO. 64815				
ILLINOIS FED. AID PROJECT				

Aluminum sheeted _____
construction joint in
base of parapet, typ.



PARTIAL PLAN

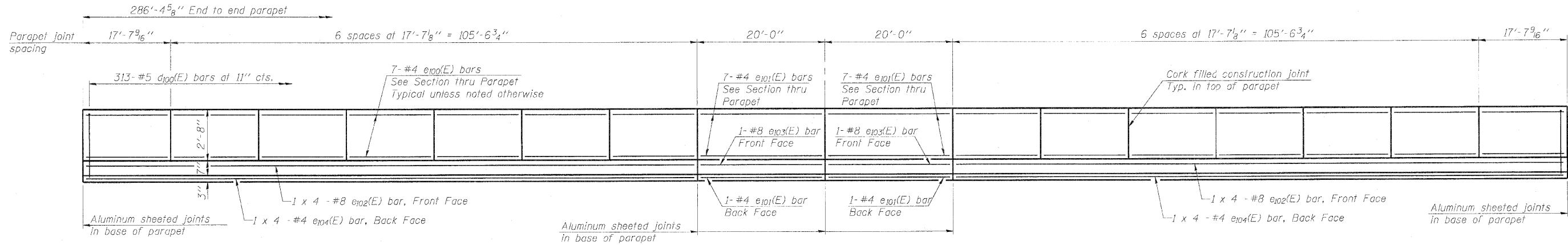


NEAR MIDSPAN

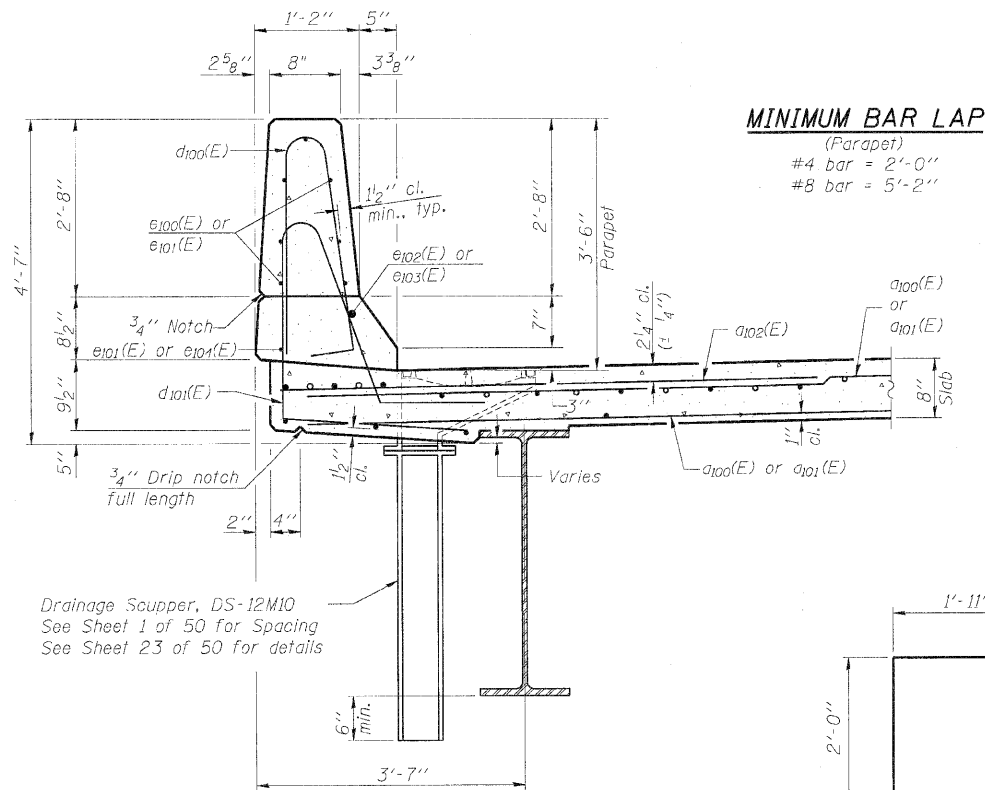


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1(HB)R	Rock Island	503	150
CONTRACT NO. 64815				
ILLINOIS FED. AID PROJECT				

LAYOUT	JRG/FLN	04/05/10
DRAWN	NGM/JDM	07/21/10
REVIEWED	JRG/FLN	07/21/10

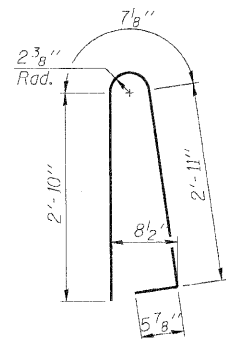


INSIDE ELEVATION OF PARAPET

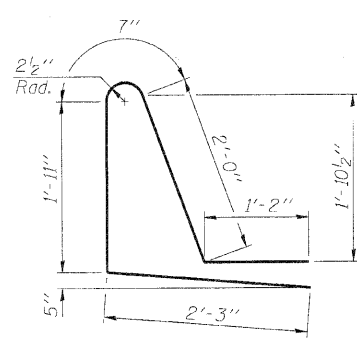


SECTION THRU PARAPET

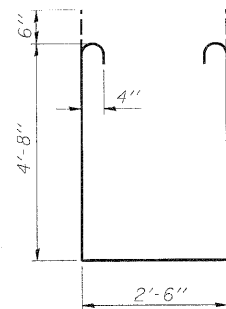
Floor drains shall be located clear of all diaphragms



BAR d100(E)



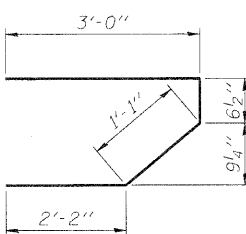
BAR d101(E)



BAR s101(E)

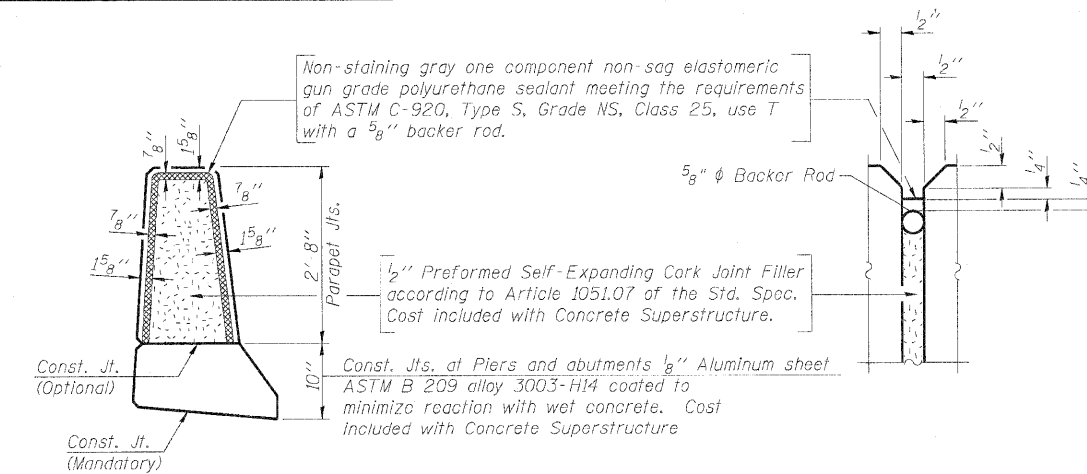
MINIMUM BAR LAP

(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"

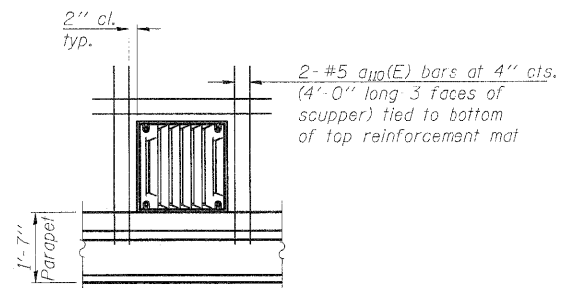


BAR v100(E)

BAR s100(E)



PARAPET JOINT DETAILS



DETAIL B

Note:
Cut longitudinal reinforcement to clear drainage scuppers.

SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a100(E)	803	#5	28'-4"	—
a101(E)	803	#5	19'-2"	—
a102(E)	460	#6	6'-6"	—
a103(E)	4	#5	32'-8"	—
a104(E)	4	#5	22'-1"	—
a110(E)	24	#5	4'-0"	—
b100(E)	504	#5	34'-3"	—
b101(E)	153	#6	37'-0"	—
b102(E)	430	#5	31'-3"	—
d100(E)	626	#5	6'-10"	⌒
d101(E)	626	#5	7'-11"	⌒
e100(E)	196	#4	17'-3"	—
e101(E)	32	#4	19'-8"	—
e102(E)	16	#8	34'-9"	—
e103(E)	4	#8	19'-8"	—
e104(E)	16	#4	32'-6"	—
m100(E)	10	#6	32'-10"	—
m101(E)	10	#6	22'-3"	—
m102(E)	12	#6	9'-11"	—
m103(E)	12	#6	11'-10"	—
m104(E)	4	#6	10'-9"	—
m105(E)	4	#6	3'-9"	—
m106(E)	10	#6	8'-1"	—
m107(E)	2	#6	3'-3"	—
m108(E)	2	#6	4'-5"	—
s100(E)	96	#5	6'-10"	⌒
s101(E)	86	#4	12'-10"	⌒
v100(E)	104	#5	3'-11"	⌒
Reinforcement Bars, Epoxy Coated			Pound	102,770
Concrete Superstructure			Cu. Yds.	511.0

Bars indicated thus 1 x 4 -#5 etc. indicates 1 line of bars with 4 lengths per line.

SUPERSTRUCTURE DETAILS - N.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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HANSON
Hanson Professional Services Inc.

JOB NO.

Q5R1532A

DATE

07/23/10

SHEET NO. 18

50 SHEETS

F.A.I. RTE.

280

SECTION

81-1(HB)R

COUNTY

Rock Island

TOTAL SHEETS

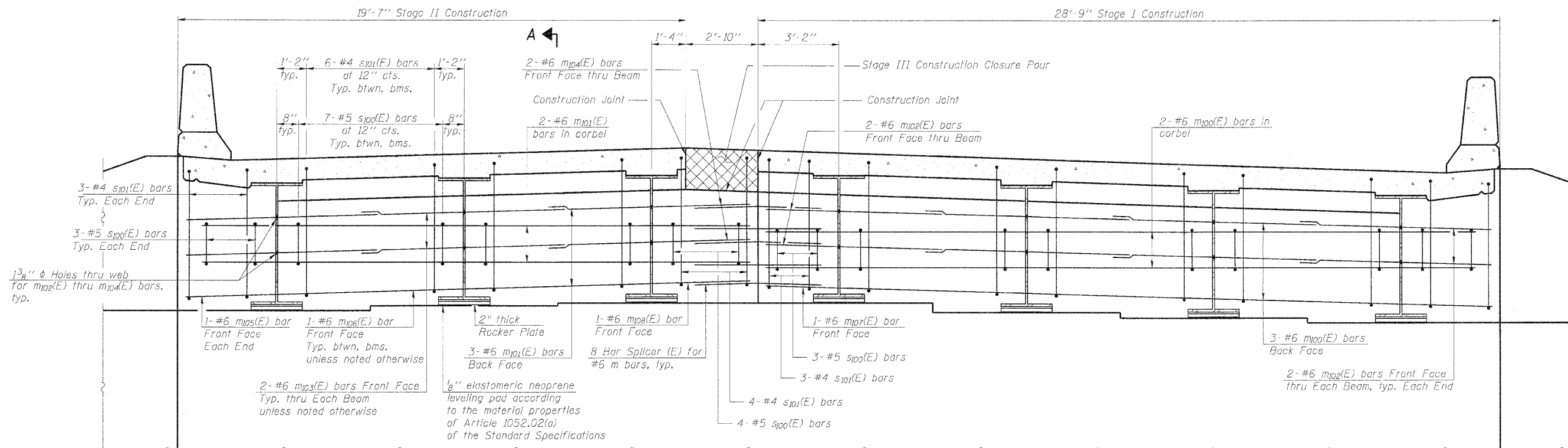
503

SHEET NO.

151

CONTRACT NO. 64815

ILLINOIS FED. AID PROJECT

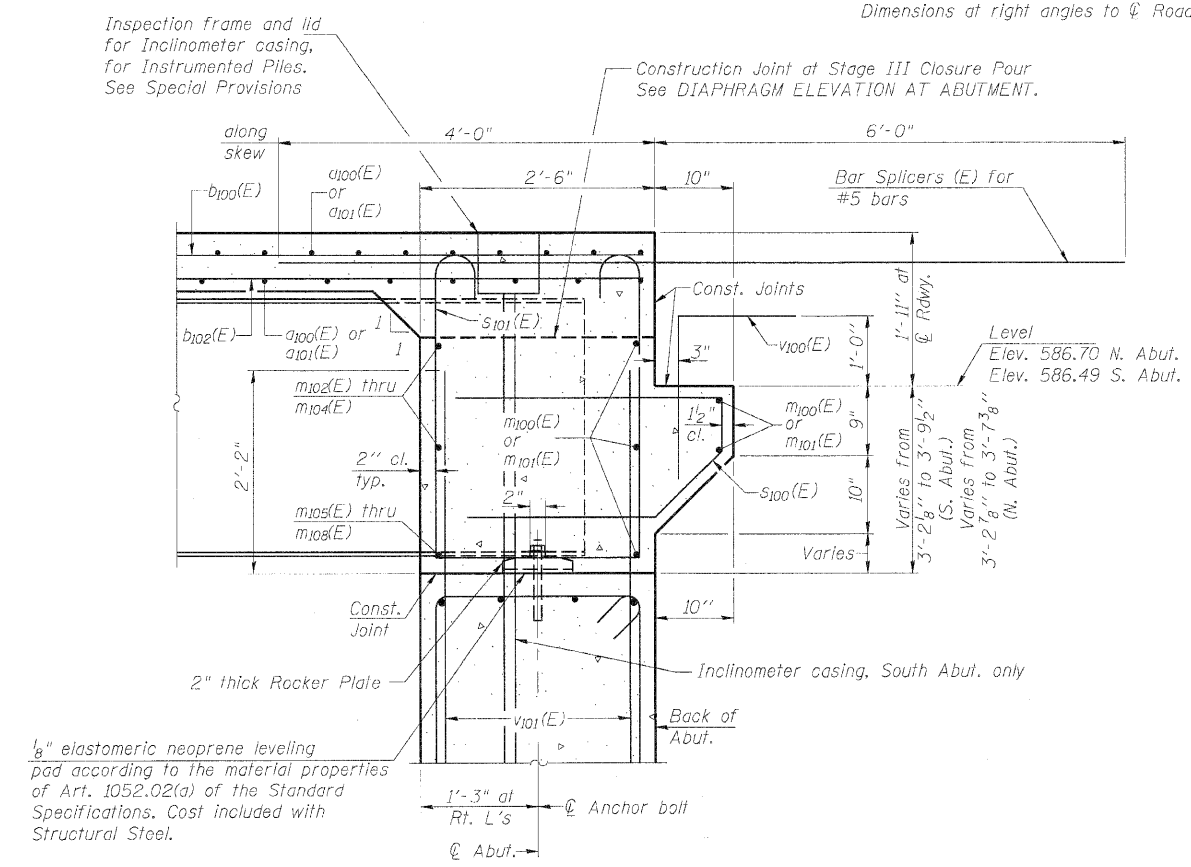


DIAPHRAGM ELEVATION AT ABUTMENT

(Looking North at North Abutment) (South Abutment similar)
Dimensions at right angles to Φ Roadway

Notes:
Reinforcement bars in diaphragm are billed with superstructure on Sheet 18 of 50.
Concrete in diaphragm is included with Concrete Superstructure on Sheet 18 of 50.
For details of bars s100(E) & s101(E) see Sheet 18 of 50.
The s100(E) & s101(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

MIN. BAR LAP
#6 bar = 3'-4"



SECTION A-A

Dimensions at right angles to abutment, except as shown.

INTEGRAL ABUTMENT DIAPHRAGM DETAILS - N.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

PROFESSIONAL DESIGN FIRM LICENSE #184-001084



JOB NO. 05R1532A	SHEET NO. 19	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DATE 07/23/10		280	81-1(HB)R	Rock Island	503	152
	50 SHEETS	CONTRACT NO. 64815				
		ILLINOIS FED. AID PROJECT				

LAYOUT LK9/EIN 04/05/10
DRAWN MCM/JUN 07/21/10
REVIEWED LK9/EIN 07/21/10

Notes:
See Sheet 21 of 50 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheet 21 of 50 for parapet reinforcement.
See Sheet 21 of 50 for Detail B.
See Sheet 22 of 50 for Section A-A.

51'-2" out to out deck
48'-0" face to face parapets

1'-7" 30'-0" 12'-0" 12'-0" 18'-0" 1'-7"

6'-0" Shoulder
slope 1/4" per ft.
Total drop = 6 3/4"

12'-0" Lane
slope 1/4" per ft.

12'-0" Lane
slope 3/16" per ft.

2'-10" Stage I Construction
Stage II Construction
Stage III Construction closure pour
Long. bonded stage constr. joint

6'-0" Shoulder
slope 1/4" per ft.
Total drop = 33 3/4"

1" c/s. 2 1/4" c/s. (+ 1/4") 8" slab

d100(E) d101(E) b100(E) b101(E) a102(E) a100(E) a101(E) a102(E) b100(E) b102(E)

2" typ. 3'-7" 1'-2" 6 #5 bars at 12" c/s. 1'-2" 6 spaces at 7'-4" = 44'-0" 3'-7"

NEAR PIER NEAR MIDSPAN

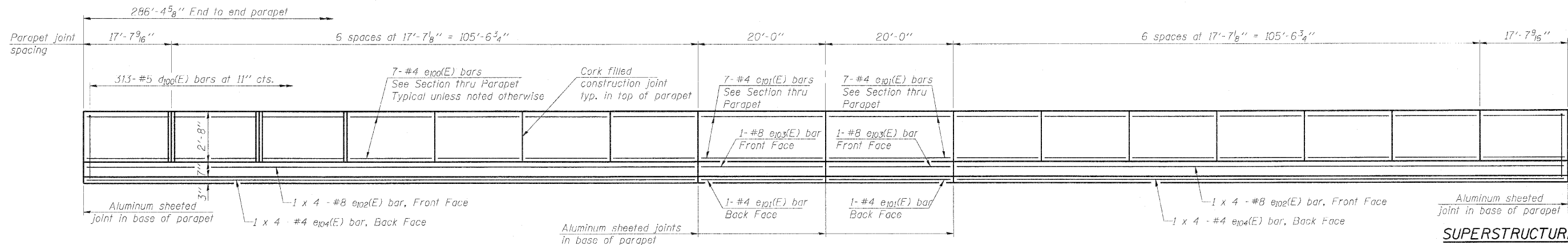
See Detail A

Roadway & P.G.L. S.B. Lanes

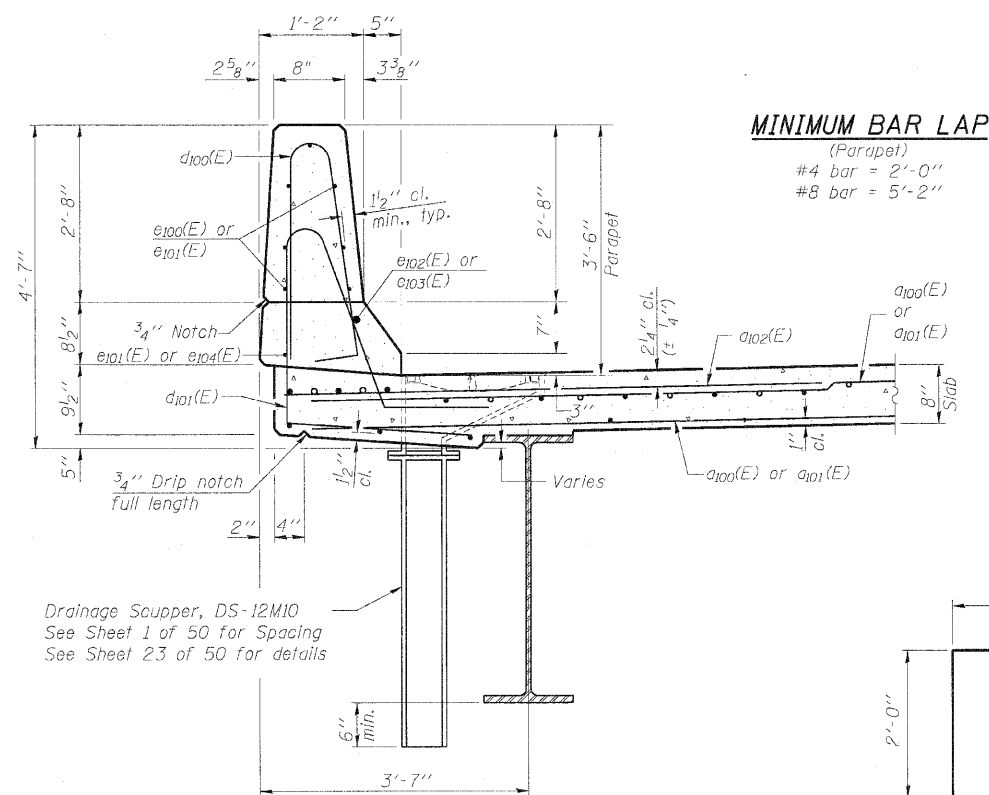
IL Rte. 92

(Looking North at South Bound Lanes)

ILLINOIS	FED. AID PROJECT
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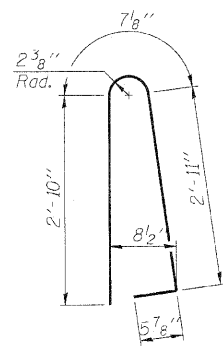


INSIDE ELEVATION OF PARAPET

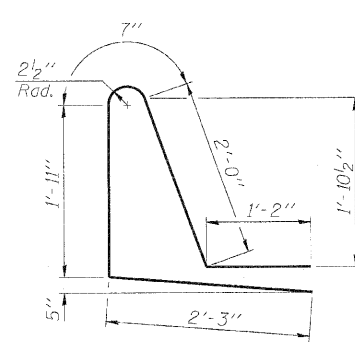


SECTION THRU PARAPET

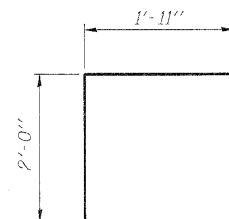
Floor drains shall be located clear of all diaphragms



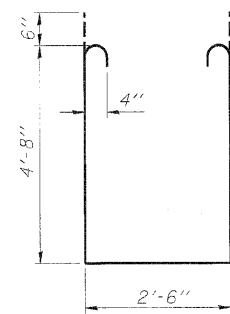
BAR d100(E)



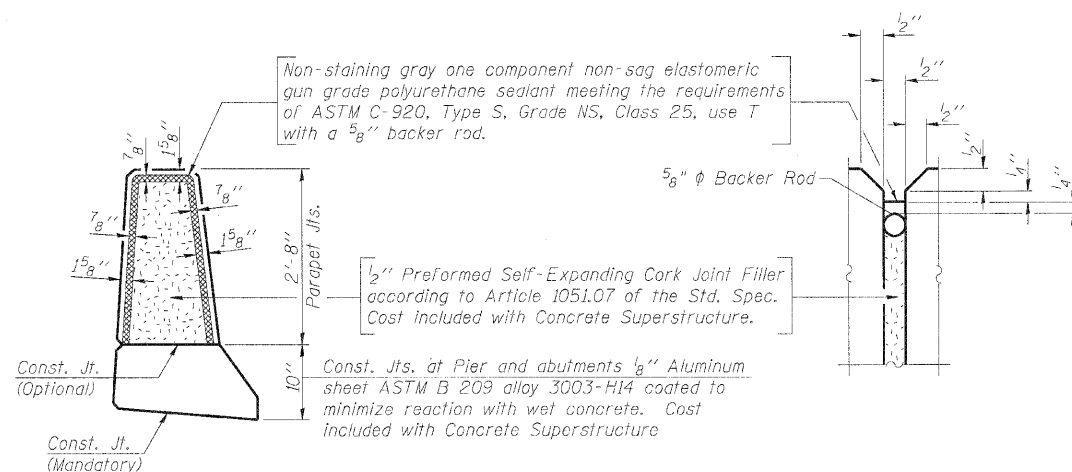
BAR d101(E)



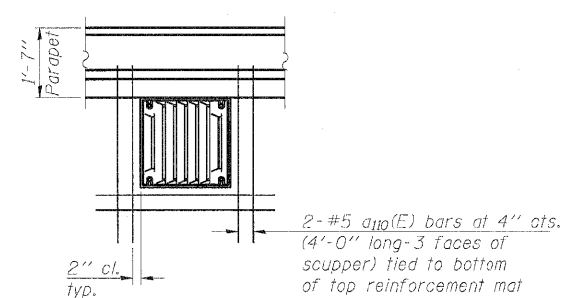
BAR v100(E)



BAR s101(E)



PARAPET JOINT DETAILS



DETAIL B

Note:
Cut longitudinal reinforcement to clear drainage scuppers.

SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a100(E)	803	#5	28'-4"	
a101(E)	803	#5	19'-2"	
a102(E)	460	#6	6'-6"	
a103(E)	4	#5	32'-8"	
a104(E)	4	#5	22'-1"	
a105(E)	24	#5	4'-0"	
b100(E)	504	#5	34'-3"	
b101(E)	153	#6	37'-0"	
b102(E)	430	#5	31'-3"	
d100(E)	626	#5	6'-10"	
d101(E)	626	#5	7'-11"	
e100(E)	196	#4	17'-3"	
e101(E)	32	#4	19'-8"	
e102(E)	16	#8	34'-9"	
e103(E)	4	#8	19'-8"	
e104(E)	16	#4	32'-6"	
m100(E)	10	#6	32'-10"	
m101(E)	10	#6	22'-3"	
m102(E)	12	#6	9'-11"	
m103(E)	12	#6	11'-10"	
m104(E)	4	#6	10'-9"	
m105(E)	4	#6	3'-9"	
m106(E)	10	#6	8'-1"	
m107(E)	2	#6	3'-3"	
m108(E)	2	#6	4'-5"	
s100(E)	96	#5	6'-10"	
s101(E)	86	#4	12'-10"	
v100(E)	104	#5	3'-11"	
Reinforcement Bars,		Pound	102,770	
Epoxy Coated				
Concrete		Cu. Yds.	511.0	
Superstructure				

Bars indicated thus 1 x 4-#5 etc. indicates 1 line of bars with 4 lengths per line.

SUPERSTRUCTURE DETAILS - S.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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JOB NO.
05R1532A

DATE
07/23/10

SHEET NO. 21
50 SHEETS

F.A.I.
RTE.
280

SECTION
81-1(HB)R

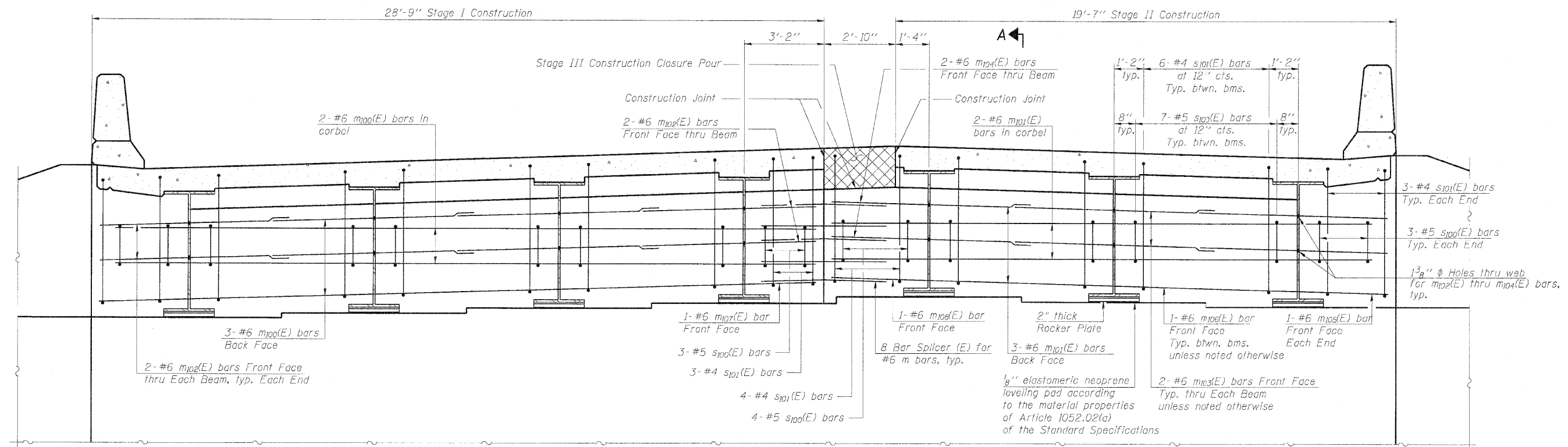
COUNTY
Rock Island

TOTAL
SHEETS
503

SHEET
NO.
154

CONTRACT NO. 64815

ILLINOIS FED. AID PROJECT



DIAPHRAGM ELEVATION AT ABUTMENT

(Looking North at North Abutment) (South Abutment similar)
Dimensions at right angles to ϕ Roadway

Notes:

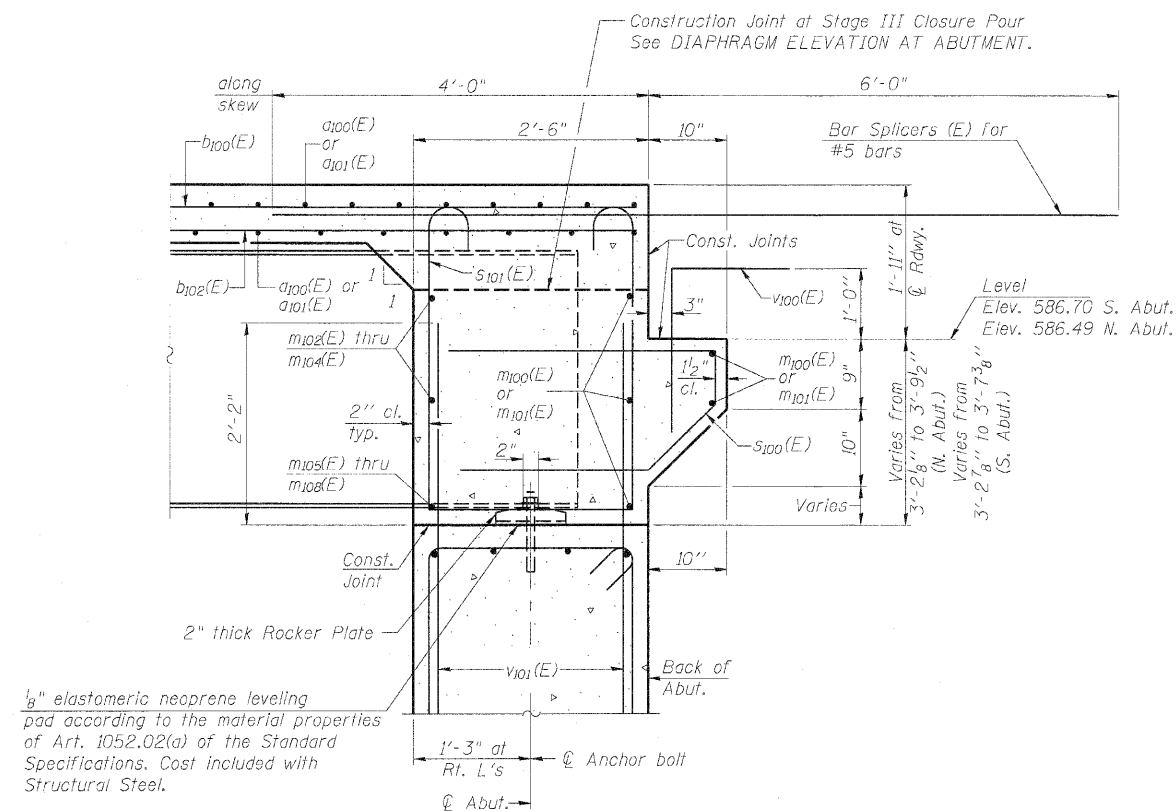
Reinforcement bars in diaphragm are billed with superstructure on Sheet 21 of 50.

Concrete in diaphragm is included with Concrete Superstructure on Sheet 21 of 50.

For details of bars s₁₀₀(E) & s₁₀₁(E) see Sheet 21 of 50.
The s₁₀₀(E) & s₁₀₁(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

MIN. BAR LAP

#6 bar - 3'-4"



SECTION A-A

Dimensions at right angles to abutment, except as shown.

INTEGRAL ABUTMENT DIAPHRAGM DETAILS - S.B. STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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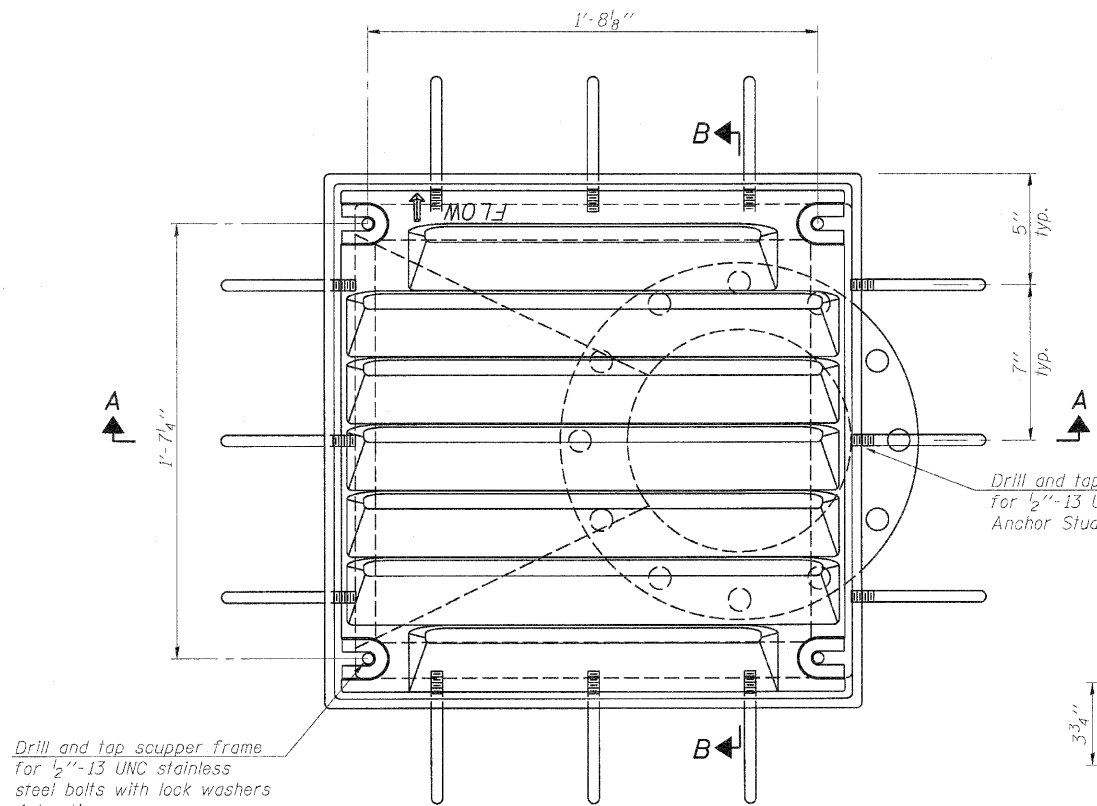
JOB NO.
05R1532A

DATE
07/23/10

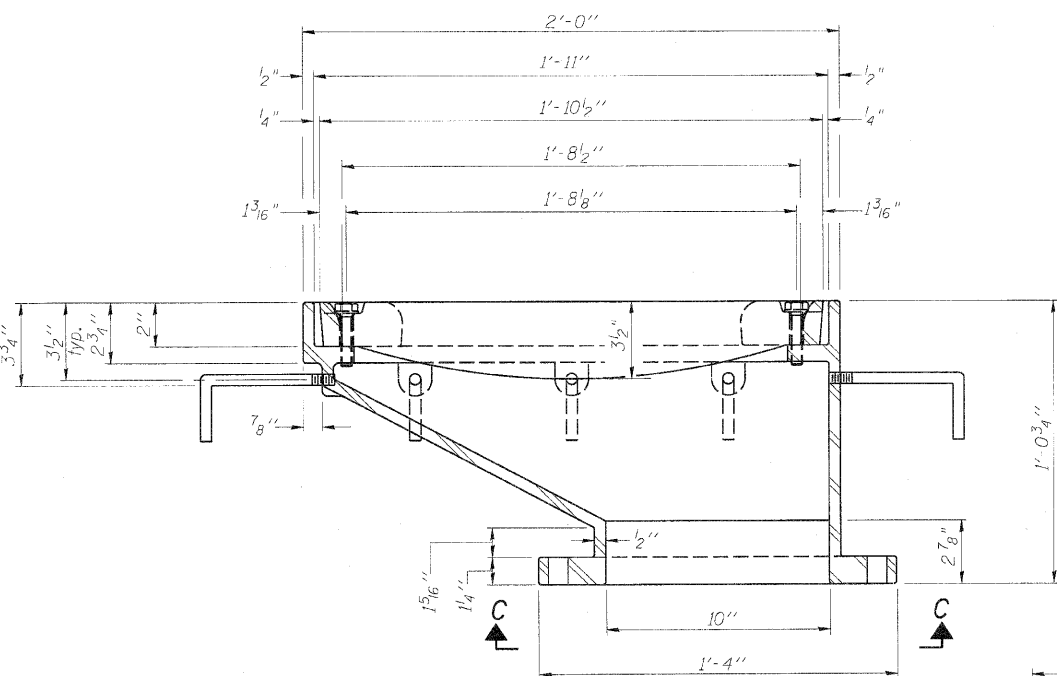
SHEET NO. 22

50 SHEETS

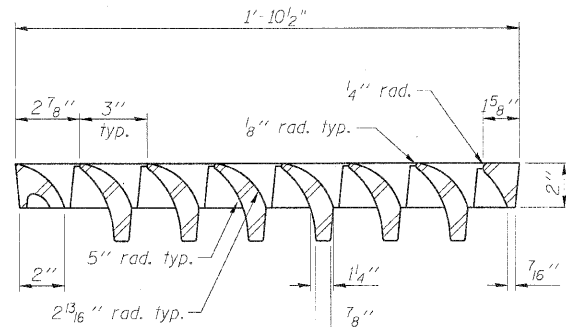
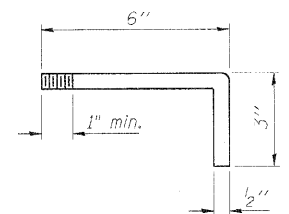
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-K(H)R	Rock Island	503	155
CONTRACT NO. 64815				
ILLINOIS FED. AID PROJECT				



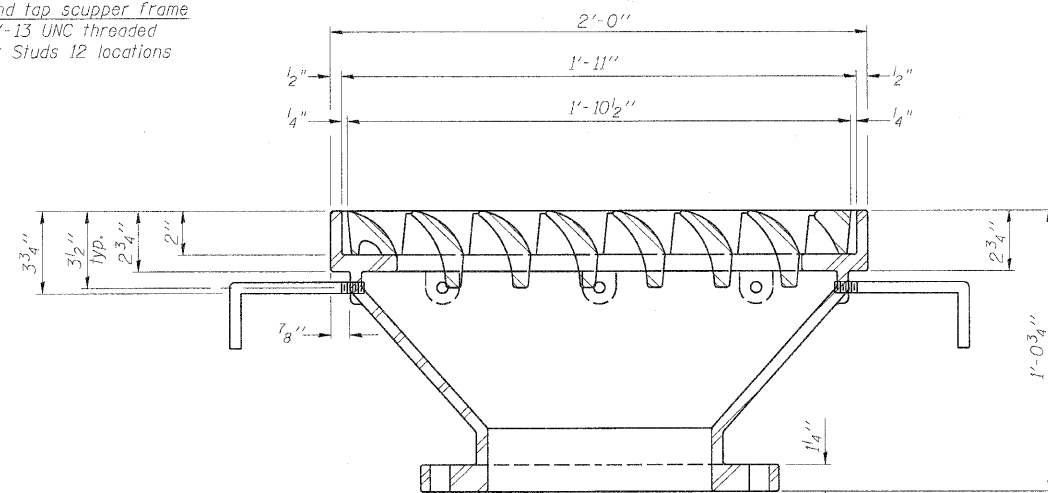
PLAN



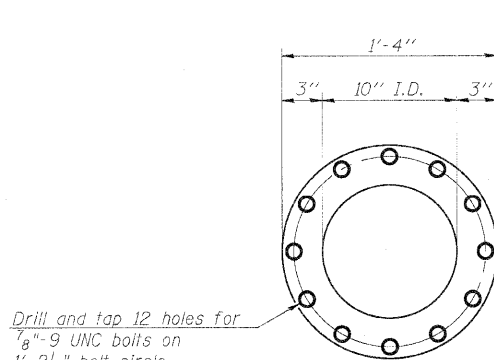
SECTION A-A



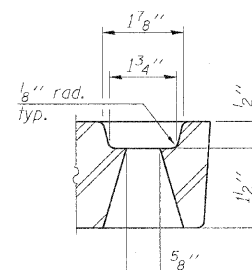
VANE GRATE DETAIL



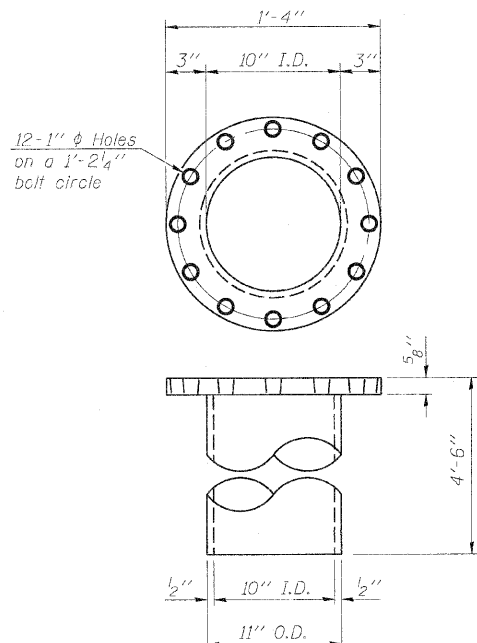
SECTION B-B



VIEW C-C



GRATE BOLT HOLE DETAIL



DOWNSPOUT

Notes:

- All cast iron parts shall be gray iron conforming to the requirements of AASHTO M 105, Class 35B.
- Bolts, anchor studs, washers and nuts shall conform to the requirements of ASTM A 307 and shall be galvanized according to AASHTO M 232.
- All castings shall conform to the requirements of AASHTO M 306.
- Downspouts located on the exterior side of a painted steel fascia beam shall be painted with the finish coat specified for the exterior side of the fascia beam.
- As an alternate, bolts, anchor studs, washers and nuts may be stainless steel according to Article 1006.29(d) of the Standard Specifications.
- Structural steel weldments of equal sections and of the same configuration may be substituted for the cast iron scupper frame. Fillet or full penetration welds shall be used for the weldments. Details shall be submitted to the Engineer for approval. Structural steel weldments shall not be substituted for the cast iron scupper grate. Structural steel frames and downspouts shall be galvanized according to AASHTO M111.
- The Contractor shall take appropriate measures to assure that Protective Coat is not applied to the scupper.
- Cost of the Grate, Frame, Downspout, Anchor Studs, Bolts, Washers and Nuts including complete installation of the scupper shall be paid for at the contract unit price each for Drainage Scupper, DS-12M10.
- Alternate fiberglass downspout conforming to ASTM D 2996 with a short-time rupture strength hoop tensile stress of 30,000 psi min. may be used in lieu of the cast iron or steel equivalent.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-12M10	Each	8

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JOB NO.
05RJ532A
DATE
07/23/10

SHEET NO. 23
50 SHEETS

F.A.I.
RTE.
280

SECTION
81-(HB)R

COUNTY
Rock Island

TOTAL
SHEETS
503

SHEET
NO.
156

CONTRACT NO. 64815

ILLINOIS FED. AID PROJECT

DRAINAGE SCUPPERS, DS-12M10
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

DS-12M10

11-1-09

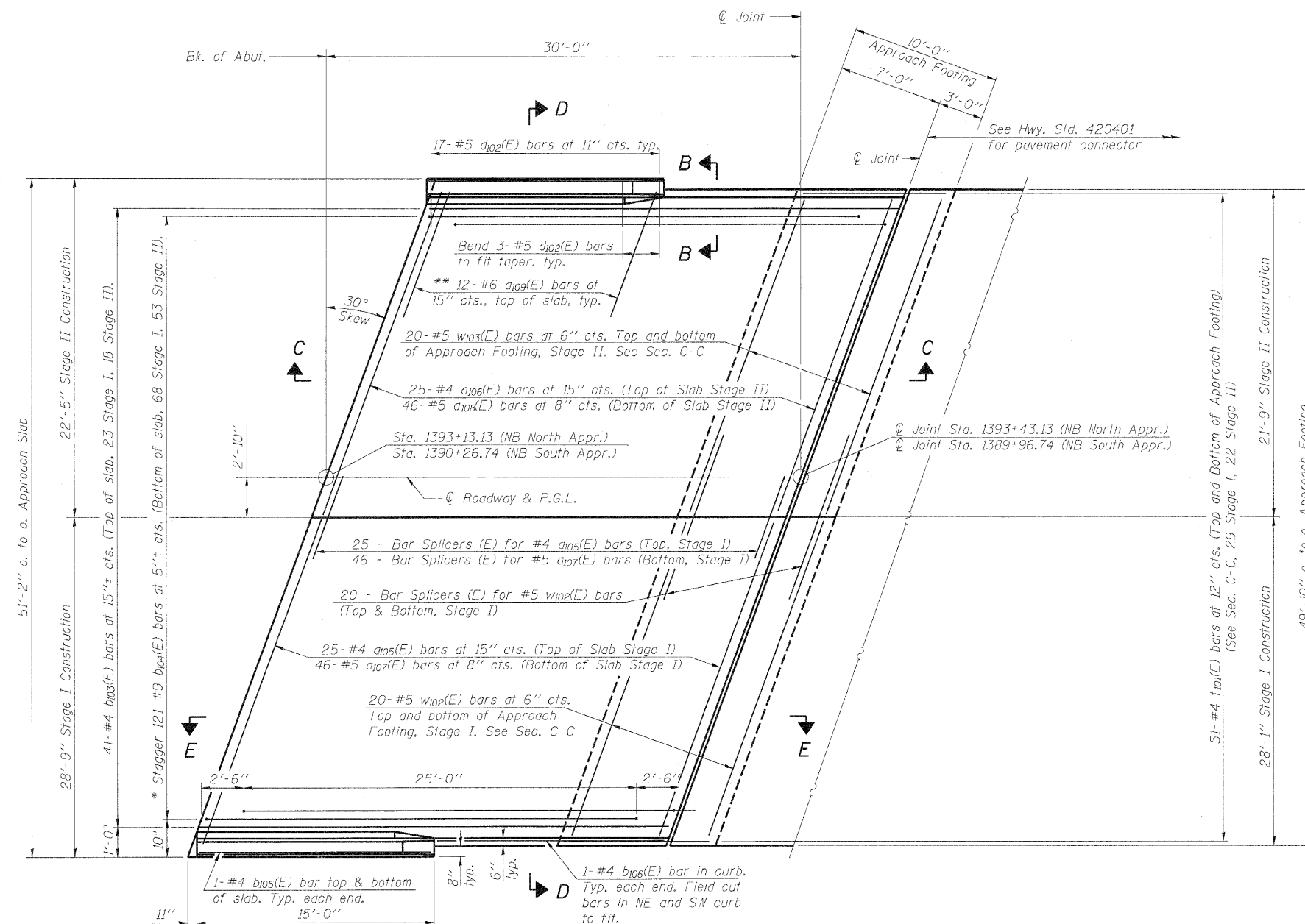
LAYOUT 07/23/10
DESIGN 07/23/10
CHECKED 07/23/10
REVIEWED 07/23/10

DETAIL A

Technical drawing of a tapered metal fitting. The drawing shows a side view of a component with a tapered upper section and a flange at the bottom. Dimensions are indicated as follows:

- Top flange width: 4"
- Height of tapered section: 13"
- Height of upper straight section: 8"
- Inner diameter of upper section: 4" (at top) and 4" (at junction)
- Inner diameter of lower section: 5"
- Flange thickness: 3"
- Flange outer diameter: 2" to 4" (labeled as "Varies")

VIEW B-B



(NB North Approach Shown, NB South Approach similar)

NB North Approach

PROFESSIONAL DESIGN FIRM LICENSE #184-001084



05R1532A

DATE
07/23/10

4	F.A.I. RTE.
	280

COUNTY
Rock Island

TOTAL	S
SHEETS	
503	

CONTRACT NO.	64815
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ILLINOIS	FED. AID PROJECT
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Diagram illustrating a joint in HMA pavement. The diagram shows a cross-section of a pavement structure. A vertical line represents the joint. To the left of the joint is the HMA pavement. To the right of the joint is the end of the apron slab. The joint is labeled "Joint" and "HMA Pavement". The end of the apron slab is labeled "End of Apron slab". A dimension $l''/4$ is indicated above the joint.

DETAIL A

Technical drawing of a tapered metal fitting, likely a cap or plug, showing dimensions in inches. The drawing includes a side view and a cross-sectional view.

Dimensions:

- Top diameter: 4"
- Height of the tapered section: 13"
- Height of the lower cylindrical section: 8"
- Two small holes are spaced 4" apart from each other and 4" from the bottom of the tapered section.
- Bottom diameter: 3"
- Internal thread or hole diameter: 1"
- Internal length of the lower section: 5"
- Variable dimension (indicated by a double-headed arrow): 2" to 4"

VIEW B-B



SB North Approach

PROFESSIONAL DESIGN FIRM LICENSE #184-001084


HANSON

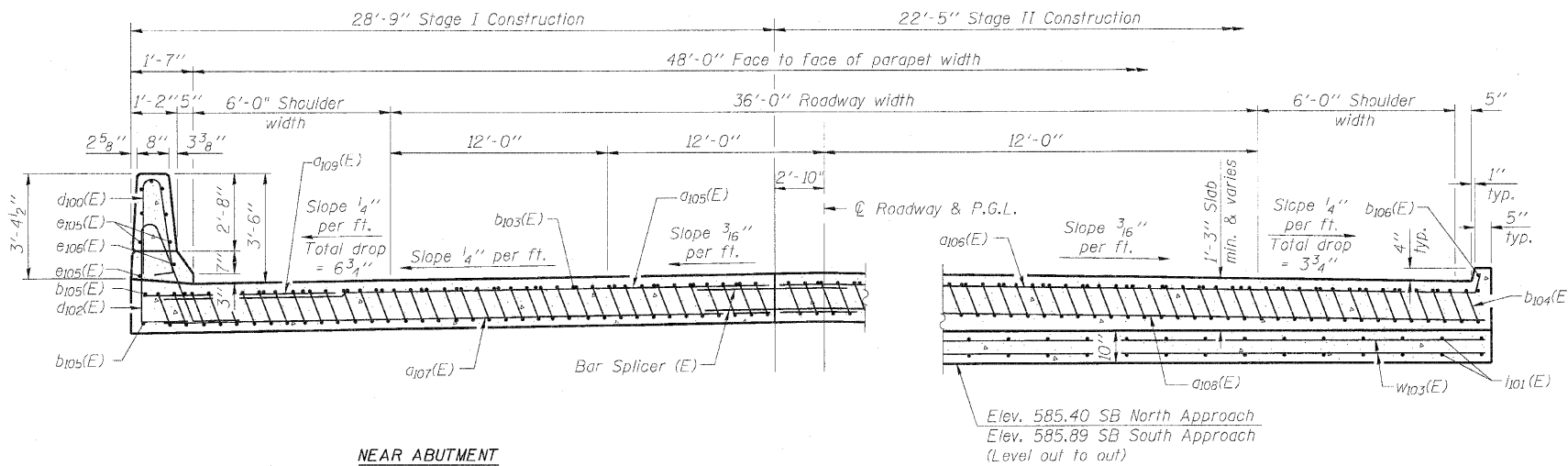
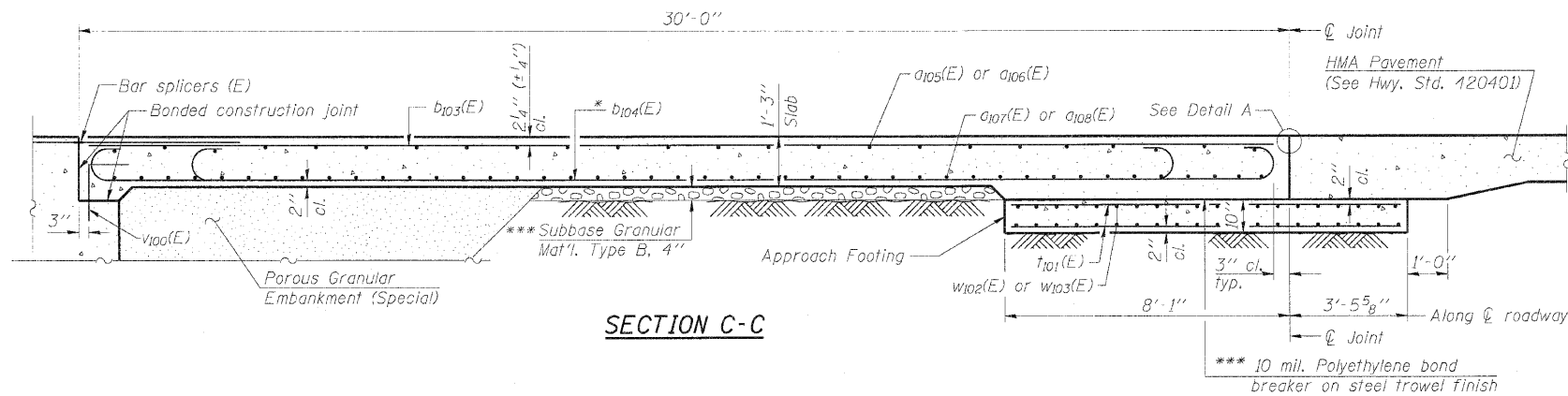
SHEET NO. 26

50 SHEETS

SECTION
81-1(HB)R

CONTRACT NO. 64815

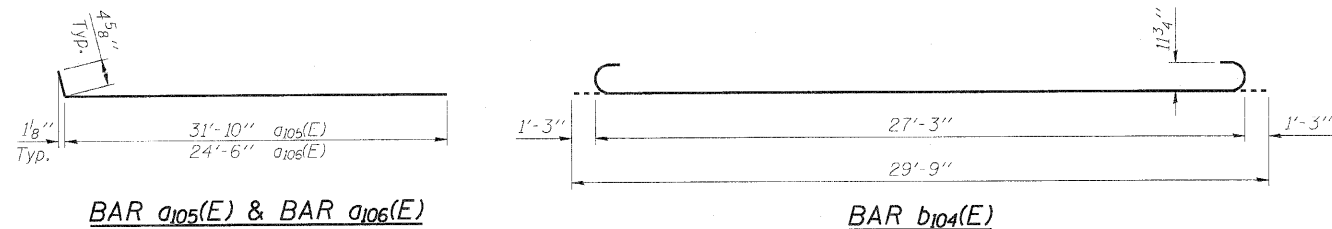
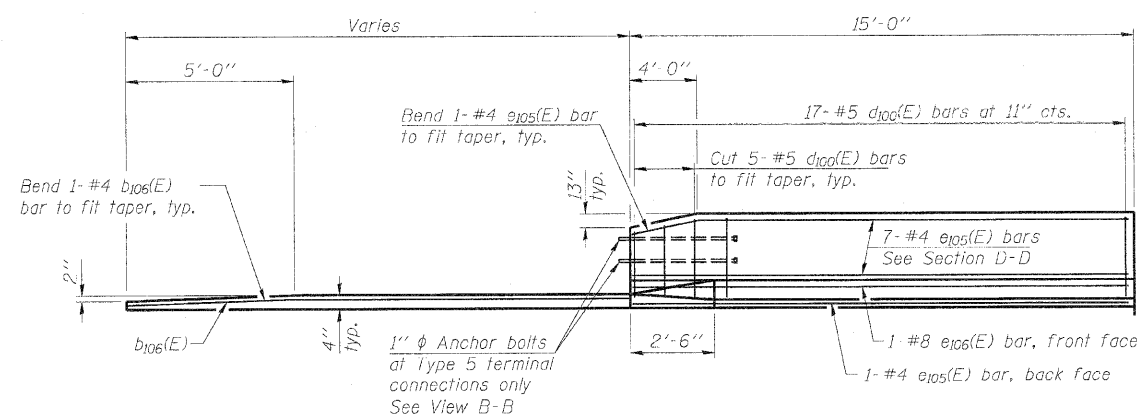
CONTRACT NO. 64815



NEAR ABUTMENT

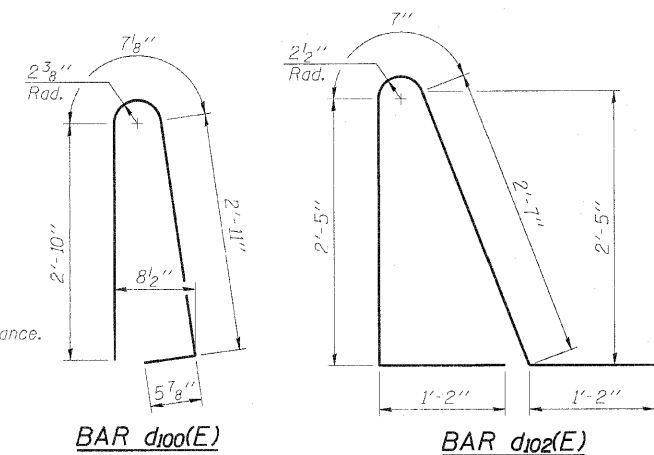
SECTION D-D
(See Plan for dimensions not shown)

AT APPROACH FOOTING



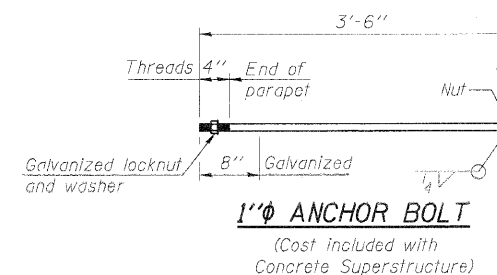
Notes:

See Sheet 26 of 50 for Detail A and View B-B.
 Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For $v_{100}(E)$ bar details, see Sheet 21 of 50.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 For bar splicer details, see Sheet 44 of 50.
 Cost of excavation for approach footing included with Concrete Structures.
 For Porous Granular Embankment (Special) and drainage treatment details, see Sheet 2 of 50.
 For additional parapet details, see Sheet 21 of 50.



TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$a_{105}(E)$	50	#4	32'-3"	—
$a_{106}(E)$	50	#4	24'-11"	—
$a_{107}(E)$	92	#5	32'-0"	—
$a_{108}(E)$	92	#5	24'-8"	—
$a_{109}(E)$	48	#6	6'-6"	—
$b_{103}(E)$	82	#4	29'-8"	—
$b_{104}(E)$	242	#9	29'-9"	—
$b_{105}(E)$	8	#4	14'-8"	—
$b_{106}(E)$	4	#4	15'-1"	—
$d_{100}(E)$	68	#5	6'-10"	—
$d_{102}(E)$	68	#5	7'-11"	—
$e_{105}(E)$	32	#4	14'-8"	—
$e_{106}(E)$	4	#8	14'-8"	—
$t_{101}(E)$	204	#4	11'-2"	—
$w_{102}(E)$	80	#5	32'-0"	—
$w_{103}(E)$	80	#5	24'-8"	—
Concrete Superstructure		Cu. Yd.	162.4	
Concrete Structures		Cu. Yd.	35.6	
Reinforcement Bars, Epoxy Coated		Pound	41,800	



BRIDGE APPROACH SLAB DETAILS - S.B. STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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05R1532A

DATE 07/23/10

SHEET NO. 27

50 SHEETS

F.A.I. RTE.

280

SECTION

81-1(HB)/R

COUNTY

Rock Island

TOTAL SHEETS

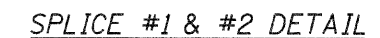
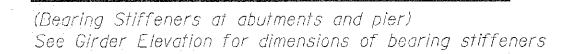
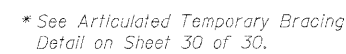
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SHEET NO.

160

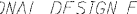
CONTRACT NO. 64815

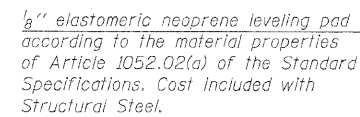
ILLINOIS FED. AID PROJECT



Splice #1 Looking West
Splice #2 Looking East

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

 HANSON Hanson Professional Services Inc.		JOB NO. 05R1532A	SHEET NO. 29 50 SHEETS	F.A.I. RTE. 280	SECTION 81-1(HB)R	COUNTY Rock Island	TOTAL SHEETS 503	SHEET NO. 162
		DATE 07/23/10			CONTRACT NO. 64815			
				ILLINOIS FED. AID PROJECT				



④ 1" ϕ x 12" anchor bolts (F1554 Grade 36)
with 2 1/4" x 2 1/4" x 5/16" $\square$ washer under nut.
1 3/8" x 2" slotted hole in flange.
1 1/2" ϕ holes in bearing plate.

Technical drawing of a bridge deck cross-section showing the connection between a bridge girder and a steel beam. The drawing includes dimensions for the bridge girder (24" R, 4 1/2", 4 1/2", 1 3/4" x 9" x 1'-9 1/2"), the steel beam (2 3/8" x 1'-2 1/2" x 2'-6 3/4"), and the leveling pad (1/8" elastomeric neoprene). A shim is indicated as optional. A force B is shown acting on the beam.

$1\frac{1}{2}'' \phi$ Holes-1" deep in top $\bar{F}$
 for $1\frac{3}{8}'' \phi$ pintles. Thread or
 press fit in bottom $\bar{F}$.

Dimensions (from left to right):
 Top flange: $5\frac{3}{4}''$, $5''$, $5''$, $5\frac{3}{4}''$
 Connection plate: $1'-0\frac{3}{4}''$, $2'-1\frac{1}{2}''$, $1'-0\frac{3}{4}''$
 Bottom flange: $2\frac{5}{8}''$, $2'-6\frac{3}{4}''$, $2\frac{5}{8}''$

Legend:
 $\phi 1\frac{1}{2}'' \phi \times 18''$ Anchor bolts
 (F1554 Grade 36) with
 $3'' \times 3'' \times \frac{5}{16}'' \bar{F}$ washer under nut
 $2'' \phi$ Holes in bottom $\bar{F}$.

Technical drawing of a truncated cone. The top diameter is labeled $1\frac{3}{8}"$. The bottom diameter is labeled $1\frac{1}{8}" \phi$. The height is labeled $1"$. A fillet at the top is labeled $3" R$.

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 ($F_y=36\text{ksi}$). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Contractor shall provide steel shim(s) as required beneath Girder 5 at South Abutment (Southbound Bridge) to result in an elevation difference between top of Girder 5 and top of Girder 4 of $5/8"$ (Girder 5 is higher) and Girder 10 at the North Abutment (Northbound Bridge) to result in an elevation difference between top of Girder 10 and Girder 11 of $5/8"$ (Girder 10 is higher). Total estimated shim height = $5/8"$. (Contractor to field verify). Shim plate(s) shall be the full dimension of the bottom bearing plate. Cost of shim(s) is included with Furnishing and Erecting Structural Steel Bridge No. 6.

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.

Two $\frac{1}{8}$ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

Item	Unit	Total
Anchor Bolts, 1"	Each	56
Anchor Bolts, 1½"	Each	28

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

 HANSON Hanson Professional Services Inc.		JOB NO. 05A1532A	SHEET NO. 31	F.A.I. RTE. 280	SECTION 81-1(HB)R	COUNTY Rock Island	TOTAL SHEETS 503	SHEET NO. 164
		DATE 07/23/10	50 SHEETS			CONTRACT NO. 64815		
				ILLINOIS		FED. AID PROJECT		

ELEVATION

PLAN - TOP VIEW

SECTION A-A SEC. THRU ABUT.
(Dimensions at Right Angles)

SECTION B-B SEC. THRU ABUT.
(Dimensions at Right Angles)

PILE DATA

(Dimensions at Right Angles)

(Dimensions at Right Angles)

(Dimensions at Right Angles)

(Dimensions at Right Angles)

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

Type: HP12x53
Nominal Required Bearing: 420K
Allowable Resistance Available: 140K
Est. Length: 58'
No. Production Piles: 10
No. Test Piles: 1
No. Reference Piles: 2

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DATE _____

50 SHEETS

280

SECTION

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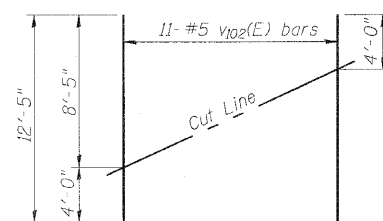
Rock Island

SHEETS	
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503

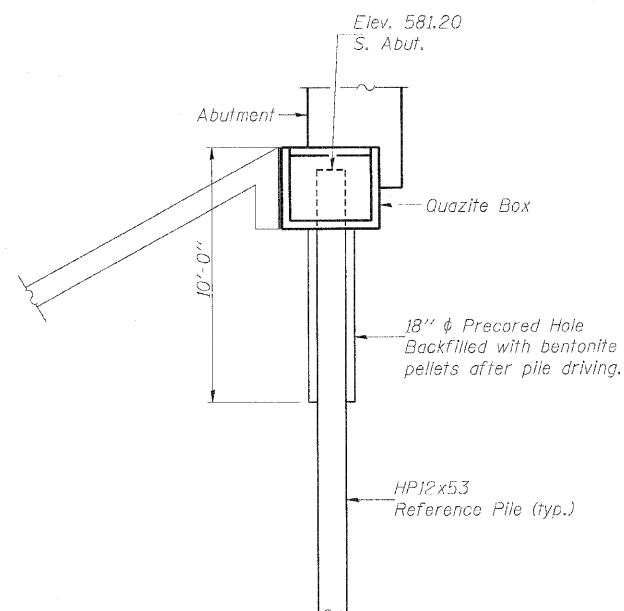
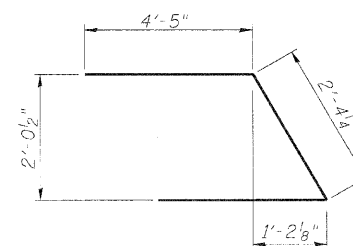
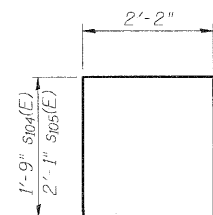
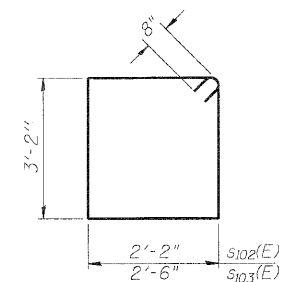
CONTRACT NO. 6481

ILLINOIS	FED. AID PROJECT
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FIELD CUTTING DIAGRAM

Order $v_{102}(E)$ full length. Cut as shown and use remainder of bars in opposite face.



DETAIL A

See Special Provision
for Instrumented Piles.

BILL OF MATERIAL

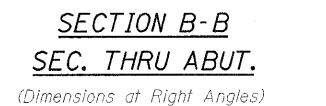
Bar	No.	Size	Length	Shape
* #100(E)	20	#7	13'-9"	—
* #101(E)	20	#5	12'-9"	—
* #100(E)	8	#9	35'-5"	—
#101(E)	5	#5	35'-5"	—
* #102(E)	8	#9	24'-3"	—
#103(E)	5	#5	23'-0"	—
#104(E)	4	#5	26'-6"	—
* #105(E)	9	#5	24'-3"	—
#106(E)	4	#5	9'-7"	—
#107(E)	4	#5	15'-4"	—
#108(E)	5	#5	34'-2"	—
#102(E)	104	#6	12'-0"	□
#103(E)	2	#6	12'-8"	□
#104(E)	25	#5	5'-8"	□
#105(E)	26	#5	6'-4"	□
#100(E)	8	#6	11'-3"	∩
#101(E)	110	#5	4'-4"	—
#102(E)	22	#5	12'-5"	—
Structure Excavation			Cu. Yd.	40
Concrete Structures			Cu. Yd.	26.2
Reinforcement Bars, Epoxy Coated			Pound	6,530
Furnishing Steel Piles			Foot	696
HP12x53				
Driving Piles			Foot	696
Test Pile Stool			Each	1
HP12x53				
Concrete Encasement			Cu. Yd.	2.5

* Field cut bars as required to fit.
For details of Bar Splicers, see Sheet 44 of 50.
For details of piles and Concrete Encasement,
see Sheet 45 of 50.

SOUTH ABUTMENT DETAILS - N.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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		DATE 07/23/10	50 SHEETS			CONTRACT NO. 64815		
				ILLINOIS FED. AID PROJECT				

LAYOUT	JKR/FLN/04/05/10
DRAWN	WGM/JDM/07/21/10
REVIEWED	JKR/FLN/07/21/10



Type: HP12x53
Nominal Required Bearing: 420K
Allowable Resistance Available: 140K
Est. Length: 52'
No. Production Piles: 10
No. Test Piles: 1

PROFESSIONAL DESIGN FIRM LICENSE #184-001084



HANSON
Hanson Professional Services Inc.

DATE
06/21/10

50 SHEETS

100

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CON

TRACT

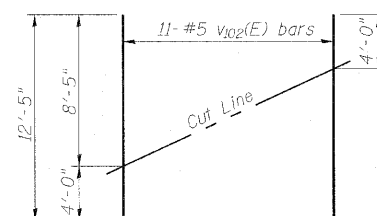
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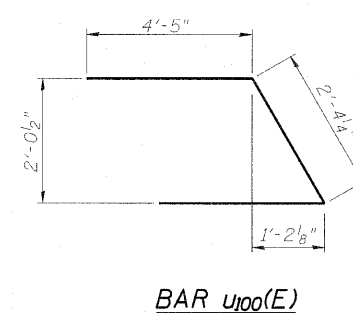
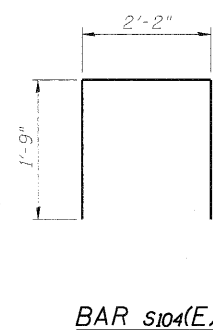
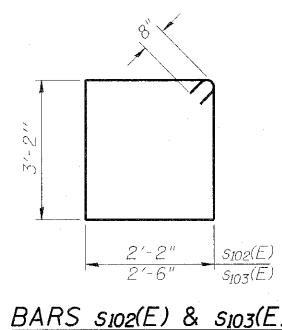
NORTH ABUTMENT - N.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

NORTH ABUTMENT - N.B.

ILLINOIS	FED. AID PROJECT
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FIELD CUTTING DIAGRAM
Order $v_{102}(E)$ full length. Cut as shown and
use remainder of bars in opposite face.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
* $h_{100}(E)$	20	#7	13'-9"	—
* $h_{101}(E)$	20	#5	12'-9"	—
* $p_{100}(E)$	8	#9	35'-5"	—
$p_{101}(E)$	5	#5	35'-5"	—
* $p_{102}(E)$	8	#9	24'-3"	—
$p_{103}(E)$	5	#5	23'-0"	—
$p_{105}(E)$	5	#5	24'-3"	—
$p_{107}(E)$	4	#5	15'-4"	—
$p_{108}(E)$	5	#5	34'-2"	—
$p_{109}(E)$	4	#5	18'-0"	—
$s_{102}(E)$	104	#6	12'-0"	
$s_{103}(E)$	2	#6	12'-8"	
$s_{104}(E)$	35	#5	5'-8"	
$u_{100}(E)$	8	#6	11'-3"	
$v_{101}(E)$	110	#5	4'-4"	—
$v_{102}(E)$	22	#5	12'-5"	—
Structure Excavation			Cu. Yd.	33
Concrete Structures			Cu. Yd.	25.3
Reinforcement Bars, Epoxy Coated			Pound	6,240
Furnishing Steel Piles HP12 x5.3			Foot	520
Driving Piles			Foot	520
Test Pile Steel HP12 x5.3			Each	1
Concrete Encasement			Cu. Yd.	2.5

* Field cut bars as required to fit.
For details of Bar Splicers, see Sheet 44 of 50.
For details of piles and Concrete Encasement,
see Sheet 45 of 50.

For details of Bar Splicers, see Sheet 44 of 50.

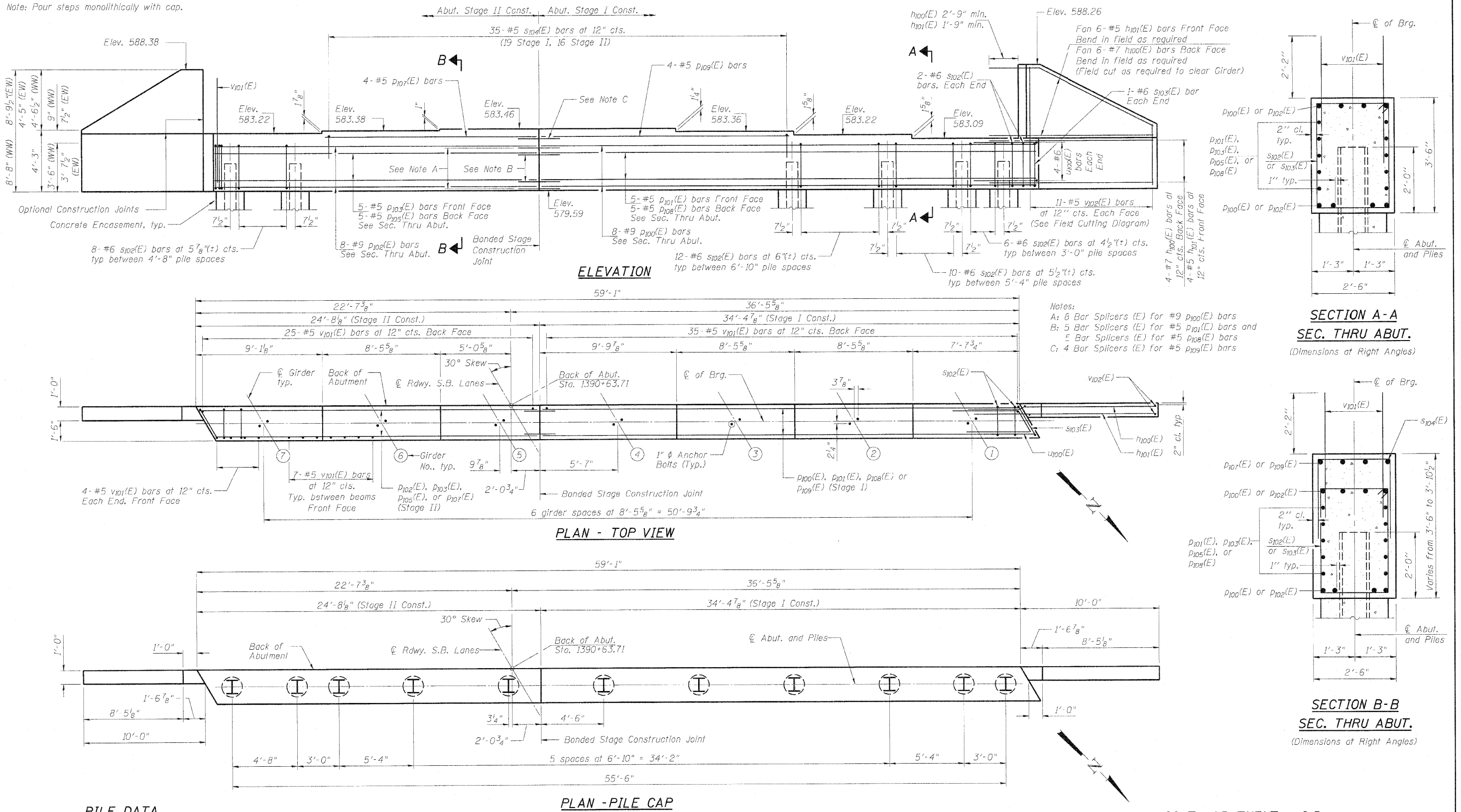
For details of piles and Concrete Encasement, see Sheet 45 of 50.

NORTH ABUTMENT DETAILS - N.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

 HANSON Hanson Professional Services Inc.		JOB NO. 05R1532A	SHEET NO. 35	F.A.I. R.T.E. 280	SECTION 81- (KHB)R	COUNTY Rock Island	TOTAL SHEETS 503	SHEET NO. 168
DATE 05/21/10		50 SHEETS			CONTRACT NO. 64815			

Note: Pour steps monolithically with cap.



PILE DATA

Type: HP12x53
 Nominal Required Bearing: 420K
 Allowable Resistance Available: 140K
 Est. Length: 58'
 No. Production Piles: 10
 No. Test Piles: 1

PLAN - PILE CAP

SOUTH ABUTMENT - S.B. STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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JOB NO.
05R1532A
DATE
07/23/10

SHEET NO. 36
50 SHEETS

F.A.I.
RTE.
280

SECTION
81-1(HB)R

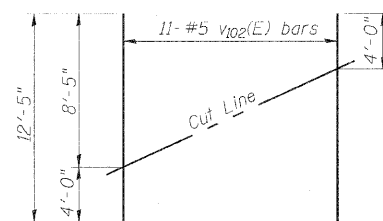
COUNTY
Rock Island

TOTAL SHEETS
503

SHEET NO.
169

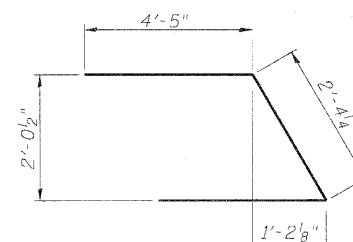
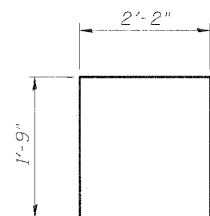
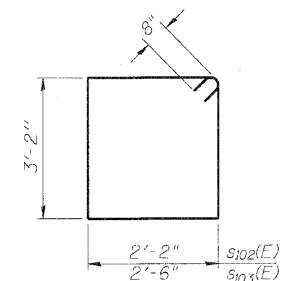
CONTRACT NO. 64815

ILLINOIS FED. AID PROJECT



FIELD CUTTING DIAGRAM

Order $v_{102}(E)$ full length. Cut as shown and use remainder of bars in opposite face.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
* $\eta_{100}(E)$	20	#7	13'-9"	—
* $\eta_{101}(E)$	20	#5	12'-9"	—
* $\eta_{100}(E)$	8	#9	35'-5"	—
$\eta_{101}(E)$	5	#5	35'-5"	—
* $\eta_{102}(E)$	8	#9	24'-3"	—
$\eta_{103}(E)$	5	#5	23'-0"	—
$\eta_{105}(E)$	5	#5	24'-3"	—
$\eta_{107}(E)$	4	#5	15'-4"	—
$\eta_{108}(E)$	5	#5	34'-2"	—
$\eta_{109}(E)$	4	#5	18'-0"	—
$\eta_{102}(E)$	104	#6	12'-0"	☒
$\eta_{103}(E)$	2	#6	12'-8"	☒
$\eta_{104}(E)$	35	#5	5'-8"	☐
$u_{100}(E)$	8	#6	11'-3"	
$v_{101}(E)$	110	#5	4'-4"	—
$v_{102}(E)$	22	#5	12'-5"	—
Structure Excavation			Cu. Yd.	33
Concrete Structures			Cu. Yd.	25.3
Reinforcement Bars, Epoxy Coated			Pound	6,240
Furnishing Steel Piles			Foot	580
HP12x53			Foot	580
Driving Piles			Foot	580
Test Pile Steel			Each	1
HP12x53			Each	1
Concrete Encasement			Cu. Yd.	2.5

* Field cut bars as required to fit.

For details of Bar Splicers, see Sheet 44 of 50.

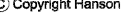
For details of piles and Concrete Encasement, see Sheet 45 of 50.

SOUTH ABUTMENT DETAILS - S.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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JOB NO.
05R1532A

SHEET NO. 37

50 SHEETS

DATE
07/23/10

F.A.I.
RTE.
280

SECTION
81-1(HB)R

COUNTY
Rock Island

TOTAL SHEETS
503

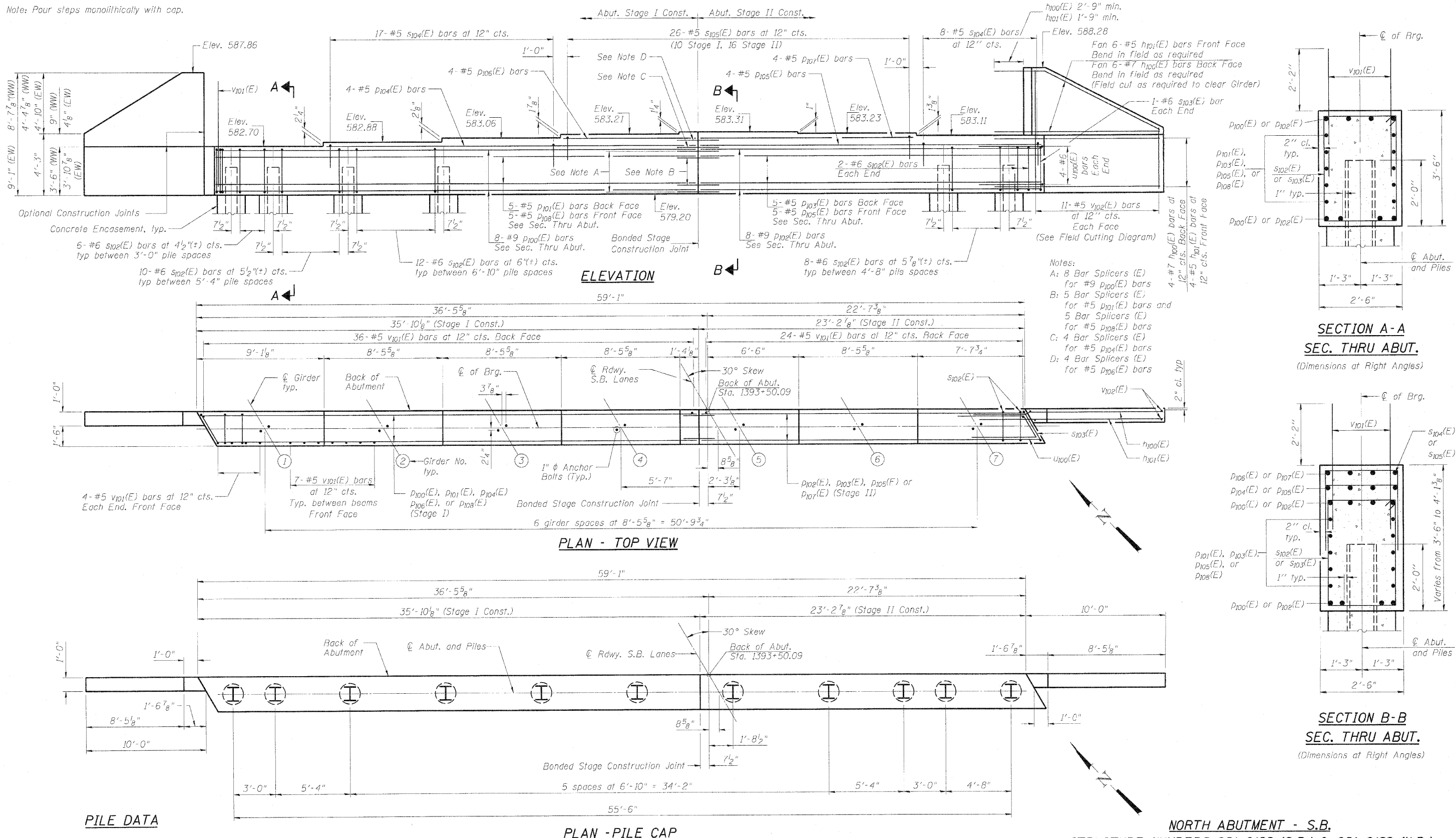
SHEET NO.
170

CONTRACT NO. 64815

ILLINOIS

FED. AID PROJECT

Note: Pour steps monolithically with cap.



PILE DATA

Type: HP12x53
 Nominal Required Bearing: 420K
 Allowable Resistance Available: 140K
 Est. Length: 51'
 No. Production Piles: 10
 No. Test Piles: 1

PLAN - PILE CAP

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05R1532A

DATE 07/23/10

SHEET NO. 38

50 SHEETS

F.A.I. RTE.

280

SECTION

81-1(HB)R

COUNTY

Rock Island

TOTAL SHEETS

503

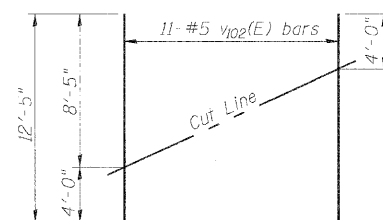
SHEET NO.

171

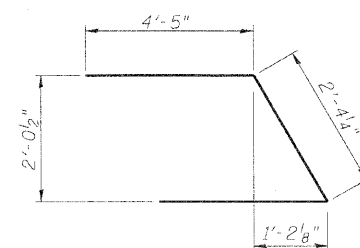
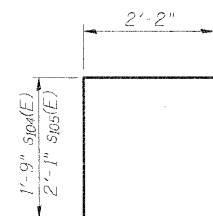
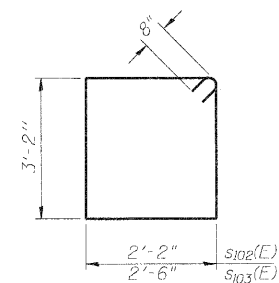
CONTRACT NO. 64815

ILLINOIS FED. AID PROJECT

NORTH ABUTMENT - S.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)



FIELD CUTTING DIAGRAM
Order $v_{02}(E)$ full length. Cut as shown and use remainder of bars in opposite face.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
* $h_{100}(E)$	20	#7	13'-9"	—
* $h_{101}(E)$	20	#5	12'-9"	—
* $p_{100}(E)$	8	#9	35'-5"	—
$p_{101}(E)$	5	#5	35'-5"	—
* $p_{102}(E)$	8	#9	24'-3"	—
$p_{103}(E)$	5	#5	23'-0"	—
$p_{104}(E)$	4	#5	26'-6"	—
* $p_{105}(E)$	9	#5	24'-3"	—
$p_{106}(E)$	4	#5	9'-7"	—
$p_{107}(E)$	4	#5	15'-4"	—
$p_{108}(E)$	5	#5	34'-2"	—
$s_{102}(E)$	104	#6	12'-0"	
$s_{103}(E)$	2	#6	12'-8"	
$s_{104}(E)$	25	#5	5'-8"	
$s_{105}(E)$	26	#5	6'-4"	
$u_{100}(E)$	8	#6	11'-3"	
$v_{101}(E)$	110	#5	4'-4"	—
$v_{102}(E)$	22	#5	12'-5"	—
Structure Excavation			Cu. Yd.	40
Concrete Structures			Cu. Yd.	26.2
Reinforcement Bars, Epoxy Coated			Pound	6,530
Furnishing Steel Piles			Foot	510
HP12x53				
Driving Piles			Foot	510
Test Pile Steel			Each	1
HP12x53				
Concrete Encasement			Cu. Yd.	2.5

* Field cut bars as required to fit.
For details of Bar Splicers, see Sheet 44 of 50.
For details of piles and Concrete Encasement,
see Sheet 45 of 50.

For details of Bar Splicers, see Sheet 44 of 50.

For details of piles and Concrete Encasement,
see Sheet 45 of 50.

NORTH ABUTMENT DETAILS - S.B.
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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JOB NO.
05R1532A

05R1532A

DATE
07/23/10

07/23/10

SHEET NO. 39

50 SHEETS

9	F.A.I. RTE.
	280

280

SECTION

81-1(HB)R

COUNTY

Rock Island

CONTRACT NO. 64815

CONTRACT
PROJECT

PROJECT

TOTAL
SHEETS

503

SHEET
NO.

172

The top plan view illustrates the bridge deck layout with the following details:

- Overall Dimensions:** Total length is 58'-0". The deck width is 3'-4" (overall) and 1'-8" (inner). The total span is 35'-11 1/8" (Stage I) and 22'-0 7/8" (Stage II).
- Construction Stages:**
 - Stage I Construction:** 31'-11" long, divided into segments of 7'-9 15/16", 8'-5 5/8", 8'-5 5/8", 7'-1 13/16", 1'-3 13/16", and 2'-8 3/8".
 - Stage II Construction:** 26'-1" long, divided into segments of 5'-9 1/4", 8'-5 5/8", and 7'-9 15/16".
- Key Features and Annotations:**
 - Centerlines:** "Q of Pier & Q of Brg." and "PGL, Q Rdwy. N.B. Lanes".
 - Angles:** "30° Skew".
 - Stationing:** "Q Pier Sta. 1391+69.94".
 - Girders:** Numbered 8 through 14 from right to left.
 - Anchor Bolts:** "1 1/2" φ Anchor Bolts (Typ.)".
 - Construction Joints:** "Bonded Stage Construction Joint" between girders 11 and 10.
 - Dimensions:** "6 girder spaces at 8'-5 5/8" = 50'-9 3/4" (between girders 8 and 14).
 - Other Labels:** "u₁₀₂(E) to u₁₀₄(E) typ. Each End", "s₁₀₅(E)", "s₁₁₀(E) to s₁₁₈(E) typ. Each End", "p₁₁₁(E), p₁₁₂(E), p₁₁₄(E), p₁₁₆(E), or p₁₁₈(E) (Stage II)", "p₁₁₀(E), p₁₁₂(E), p₁₁₃(E), p₁₁₅(E), or p₁₁₇(E) (Stage I)", "4'-0 1/4" and "1'-6 1/2" dimensions near girder 11.

TOP PLAN

ELEVATION
(Looking South)

NORTHBOUND
STRUCTURE NUMBERS 081-0188

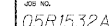
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SECTION

ELEVATION
(Looking South)

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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SHEET NO. 40

1

50 SHEETS

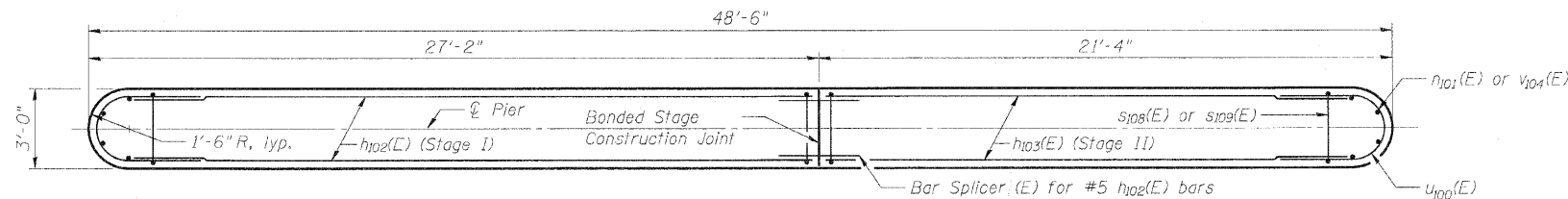
TOTAL	S
SHEETS	

CONTRACT NO. 6481

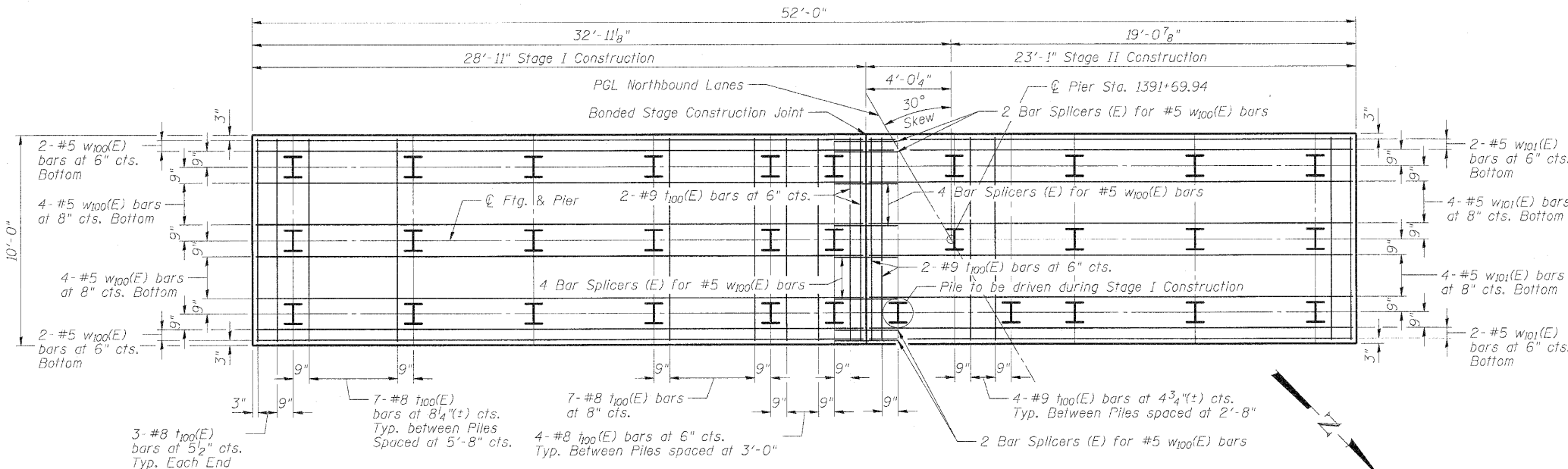
ILLINOIS	FED. AID PROJECT
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DRAWN	MGM/JDM	07/21/10
REVIEWED	JKR/FLN	07/21/10

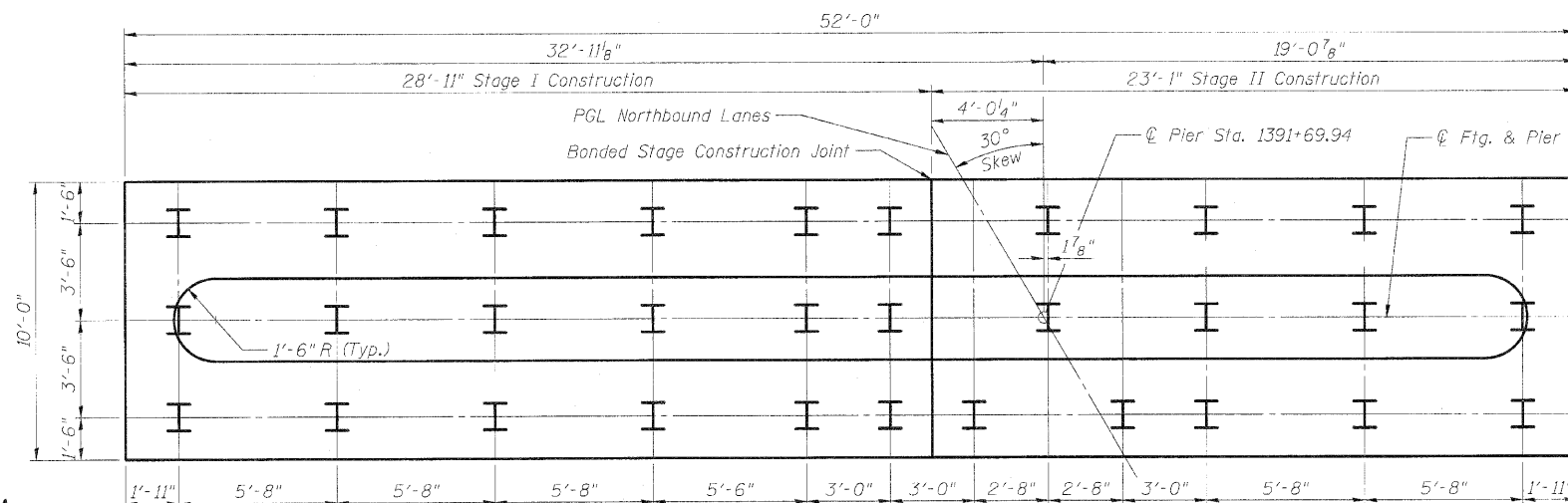
07/22/2010
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WALL REINFORCEMENT PLAN

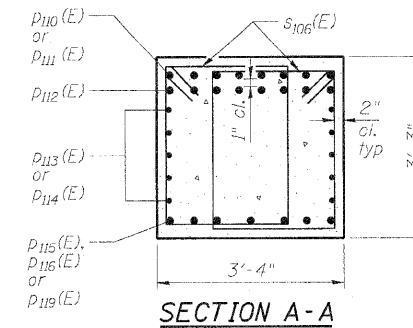
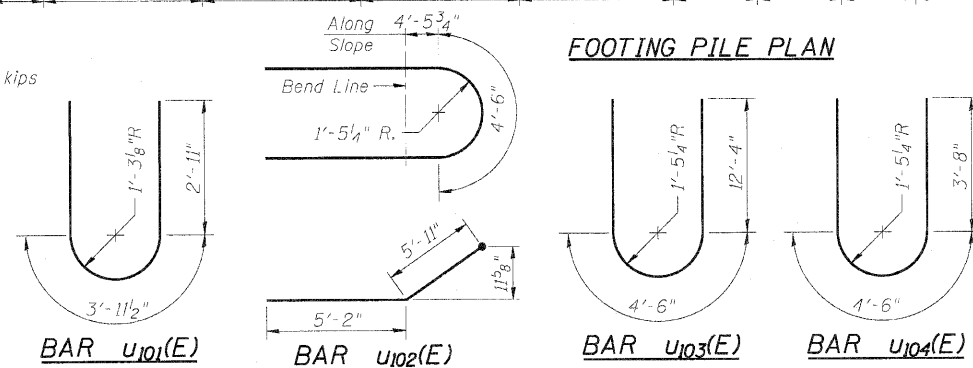


FOOTING REINFORCEMENT PLAN

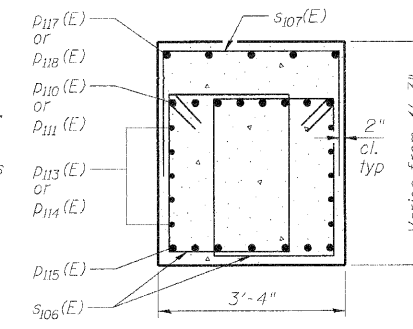


PILE DATA

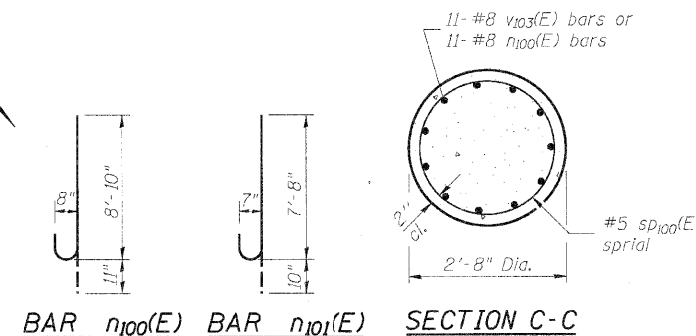
Type: HP 12x53
Nominal Required Bearing: 420 kips
Allowable Resistance Available: 140 kips
Est. Length: 36'
No. Production Piles: 30
No. Test Piles: 1



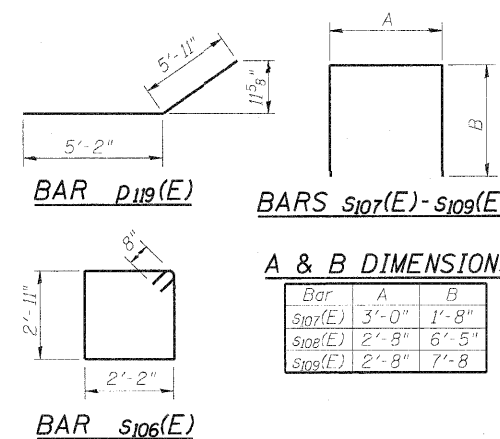
SECTION A-A



SECTION B-B



SECTION C-C



A & B DIMENSIONS

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h102(E)	11	#5	25'-6"	—
h103(E)	11	#5	19'-8"	—
h100(E)	55	#8	9'-9"	U
h101(E)	8	#7	8'-6"	U
p110(E)	8	#10	31'-11"	—
p111(E)	8	#10	26'-1"	—
p112(E)	16	#10	16'-10"	—
p113(E)	10	#5	30'-1"	—
p114(E)	10	#5	24'-3"	—
p115(E)	7	#7	25'-9"	—
p116(E)	7	#7	19'-11"	—
p117(E)	5	#5	6'-10"	—
p118(E)	5	#5	17'-11"	—
p119(E)	10	#7	11'-1"	—
s106(E)	184	#6	11'-6"	□
s107(E)	26	#4	6'-4"	□
s108(E)	50	#7	15'-6"	□
s109(E)	50	#7	18'-0"	□
s110(E)	4	#6	11'-4"	□
s111(E)	4	#6	11'-2"	□
s112(E)	4	#6	11'-0"	□
s113(E)	4	#6	10'-11"	□
s114(E)	4	#6	10'-9"	□
s115(E)	4	#6	10'-7"	□
s116(E)	4	#6	10'-5"	□
s117(E)	4	#6	10'-3"	□
s118(E)	4	#6	10'-1"	□
sp100(E)	5	#5	10'-11"	—
t100(E)	68	#8	9'-9"	—
u101(E)	10	#5	9'-10"	—
u102(E)	2	#7	23'-10"	—
u103(E)	4	#10	29'-2"	—
u104(E)	10	#5	11'-10"	—
v103(E)	55	#8	13'-8"	—
v104(E)	8	#7	6'-5"	—
w100(E)	12	#5	28'-8"	—
w101(E)	12	#5	22'-10"	—
Structure Excavation	Cu. Yd.	177		
Concrete Structures	Cu. Yd.	138.6		
Reinforcement Bars, Epoxy Coated	Pound	21,010		
Furnishing Steel Piles, HP12x53	Foot	1080		
Driving Piles	Foot	1080		
Test Pile Steel, HP12x53	Each	1		

* Field cut bars as required to fit.
** Length is height of spiral.
For details of Bar Splicers, see Sheet 44 of 50.

NORTHBOUND PIER

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

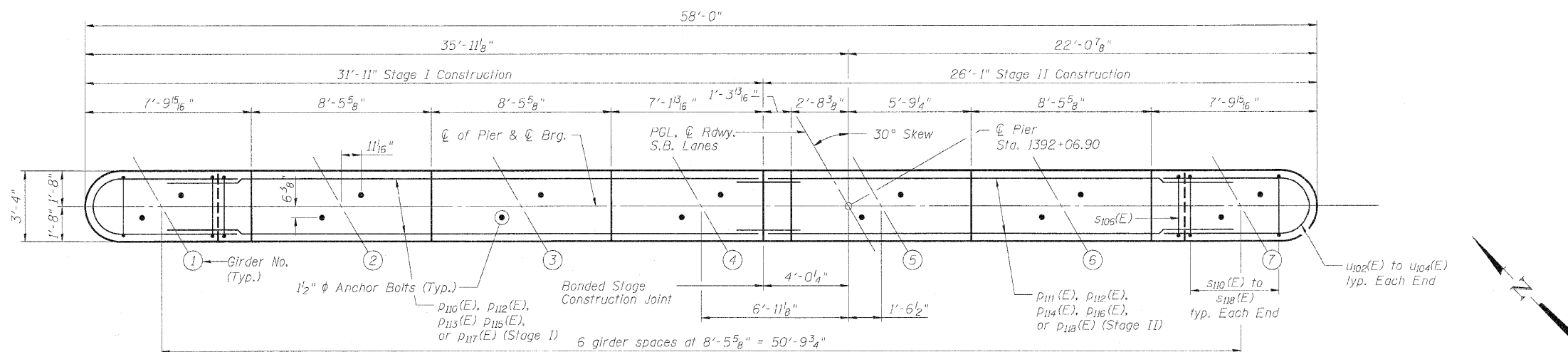
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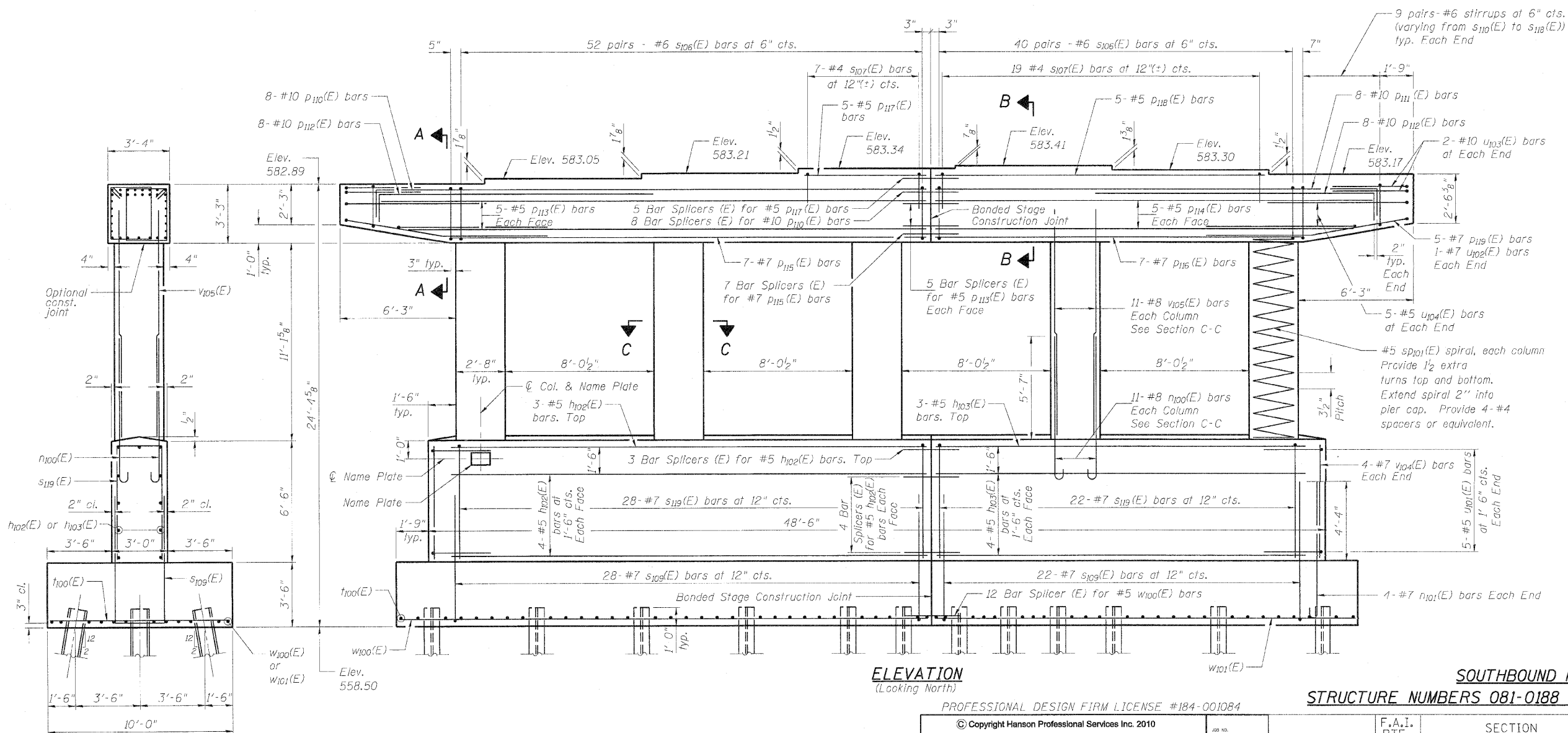
JOB NO. 05R1532A
SHEET NO. 41
50 SHEETS
DATE 07/23/10

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1(HB)R	Rock Island	503	174
CONTRACT NO. 64815				
ILLINOIS FED. AID PROJECT				

Notes:
Space reinforcement in cap to miss
anchor bolts.
Four steps monolithically with cap.
For details of piles, see Sheet 45 of 50.



TOP PLAN



ELEVATION
(Looking North)

SOUTHBOUND PIER

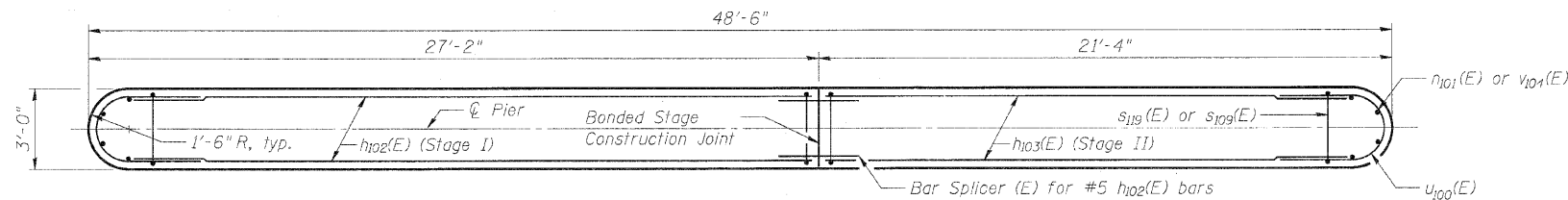
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

BARS $p_{110}(E) - p_{112}(E)$

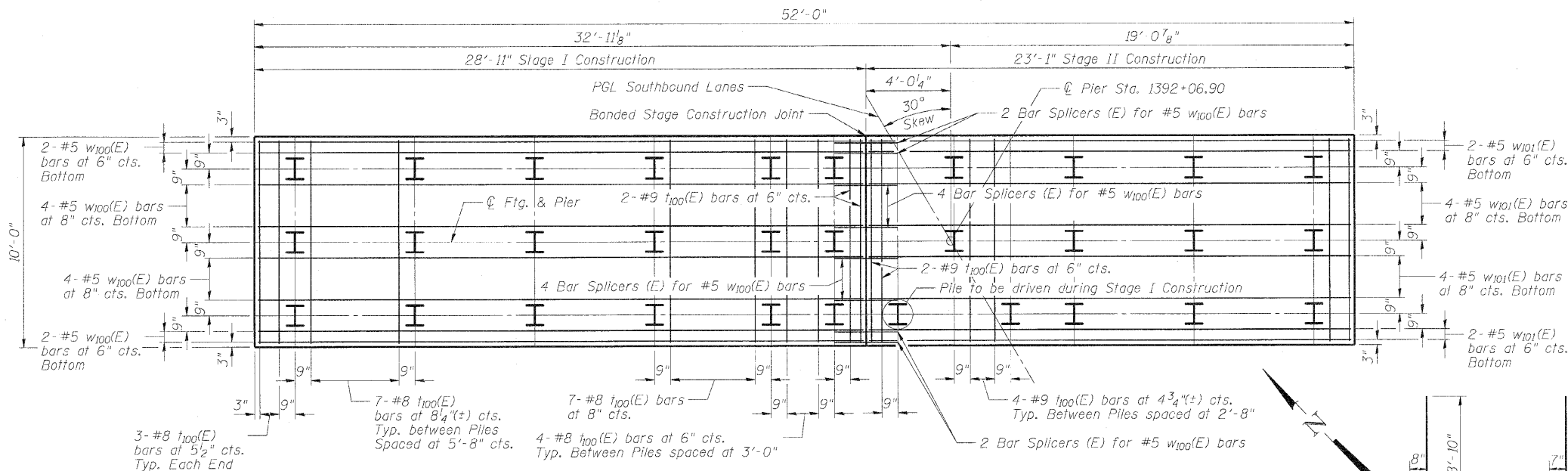
Bar	A	B
$p_{110}(E)$	1'-10"	30'-1"
$p_{111}(E)$	1'-10"	24'-3"
$p_{112}(E)$	1'-10"	15'-0"

BARS $s_{110}(E) - s_{118}(E)$

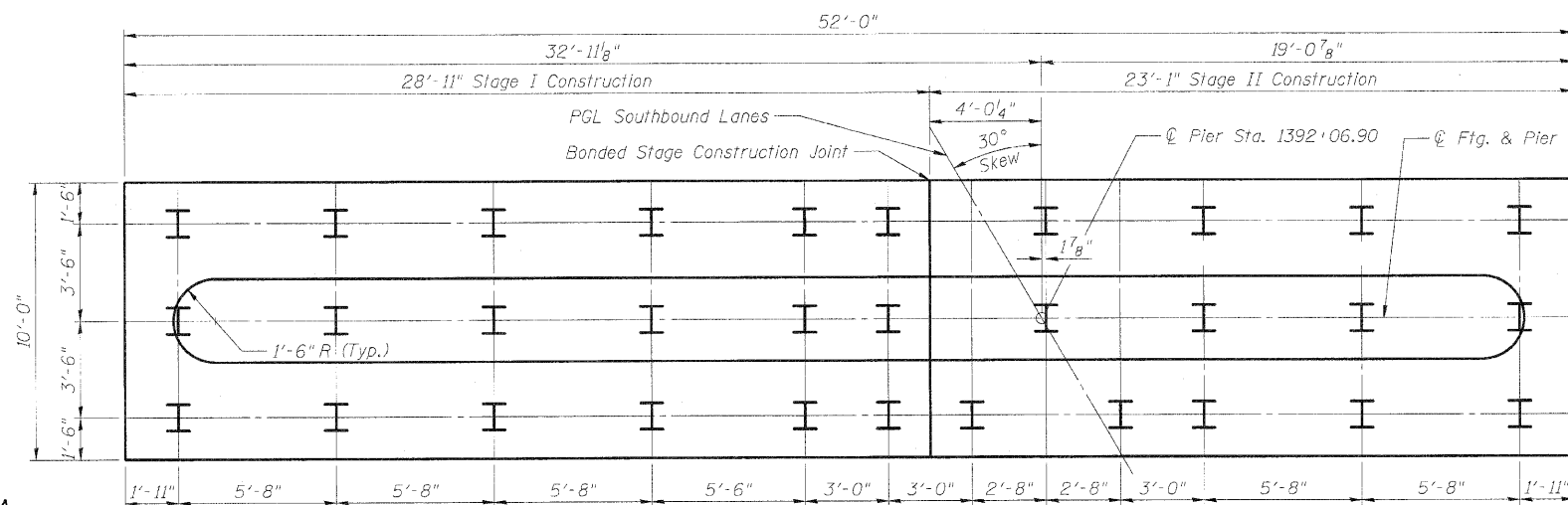
Bar	A
$s_{110}(E)$	$2'-10''$
$s_{111}(E)$	$2'-9''$
$s_{112}(E)$	$2'-8''$
$s_{113}(E)$	$2'-7\frac{1}{4}''$
$s_{114}(E)$	$2'-6\frac{1}{4}''$
$s_{115}(E)$	$2'-5\frac{1}{4}''$
$s_{116}(E)$	$2'-4\frac{1}{4}''$
$s_{117}(F)$	$2'-3\frac{1}{4}''$
$s_{118}(F)$	$2'-2\frac{1}{4}''$



WALL REINFORCEMENT PLAN

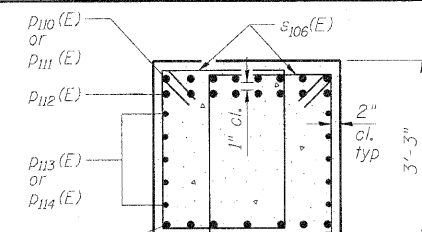
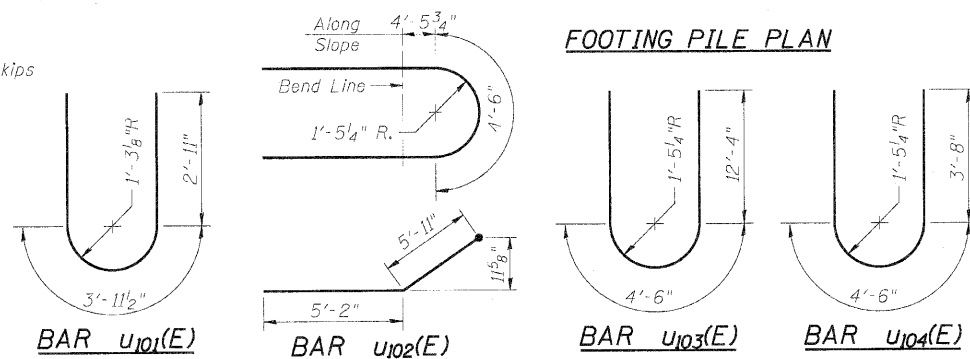


FOOTING REINFORCEMENT PLAN

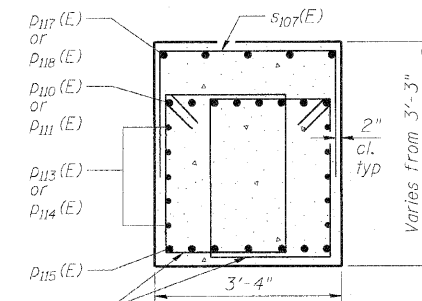


PILE DATA

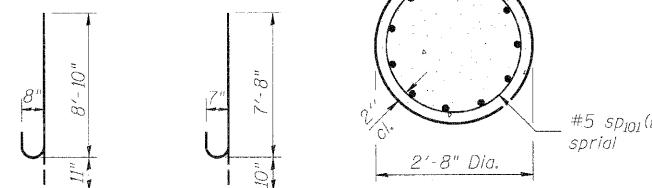
Type: HP 12x53
Nominal Required Bearing: 420 kips
Allowable Resistance Available: 140 kips
Est. Length: 37'
No. Production Piles: 30
No. Test Piles: 1



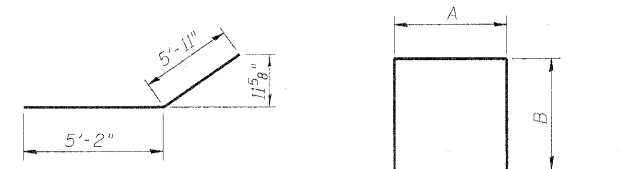
SECTION A-A



SECTION B-B



SECTION C-C



A & B DIMENSIONS

Bar	A	B
S107(E)	3'-0"	1'-8"
S109(E)	2'-8"	7'-8"
S119(E)	2'-8"	6'-3"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h102(E)	11	#5	25'-6"	—
h103(E)	11	#5	19'-8"	—
h100(E)	55	#8	9'-9"	U
h101(E)	8	#7	8'-6"	U
p110(E)	8	#10	31'-11"	—
p111(E)	8	#10	26'-1"	—
p112(E)	16	#10	16'-10"	—
p113(E)	10	#5	30'-1"	—
p114(E)	10	#5	24'-3"	—
p115(E)	7	#7	25'-9"	—
p116(E)	7	#7	19'-11"	—
p117(E)	5	#5	6'-10"	—
p118(E)	5	#5	17'-11"	—
p119(E)	10	#7	11'-1"	—
s106(E)	184	#6	11'-6"	—
s107(E)	26	#4	6'-4"	—
s109(E)	50	#7	18'-0"	—
s110(E)	4	#6	11'-4"	—
s111(E)	4	#6	11'-2"	—
s112(E)	4	#6	11'-0"	—
s113(E)	4	#6	10'-11"	—
s114(E)	4	#6	10'-9"	—
s115(E)	4	#6	10'-7"	—
s116(E)	4	#6	10'-5"	—
s117(E)	4	#6	10'-3"	—
s118(E)	4	#6	10'-1"	—
s119(E)	50	#7	15'-2"	—
sd101(E)	5	#5	11'-3"	—
t100(E)	68	#8	9'-9"	—
u101(E)	10	#5	9'-10"	—
u102(E)	2	#7	23'-10"	—
u103(E)	4	#10	29'-2"	—
u104(E)	10	#5	11'-10"	—
v104(E)	8	#7	6'-5"	—
v105(E)	55	#8	14'-1"	—
w100(E)	12	#5	28'-8"	—
w101(E)	12	#5	22'-10"	—
Structure Excavation	Cu. Yd.	176		
Concrete Structures	Cu. Yd.	138.2		
Reinforcement Bars, Epoxy Coated	Pound	21,080		
Furnishing Steel Piles, HP12x53	Foot	1110		
Driving Piles	Foot	1110		
Test Pile Steel, HP12x53	Each	1		

* Field cut bars as required to fit.
** Length is height of spiral.
For details of Bar Splicers, see Sheet 44 of 50.

SOUTHBOUND PIER
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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JOB NO.
05R1532A
DATE
07/23/10

SHEET NO. 43
50 SHEETS

F.A.I.
RTE.
280

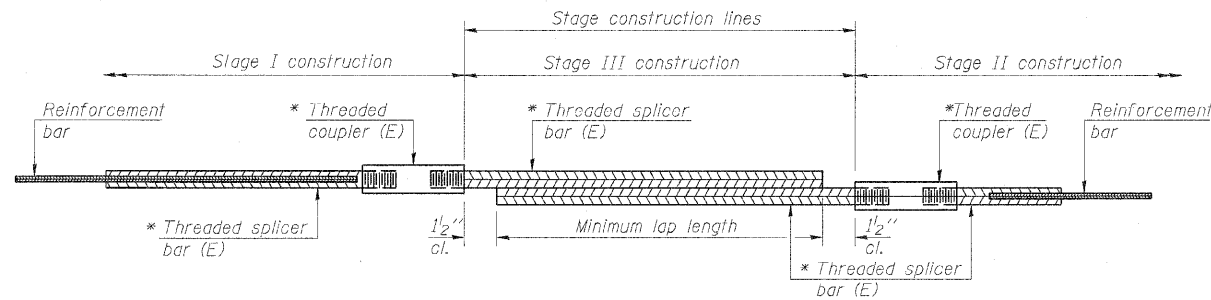
SECTION
81- (HB)R

COUNTY
Rock Island

TOTAL SHEETS
503

SHEET NO.
176

CONTRACT NO. 64815
ILLINOIS FED. AID PROJECT



CLOSURE POUR BAR SPLICER ASSEMBLY

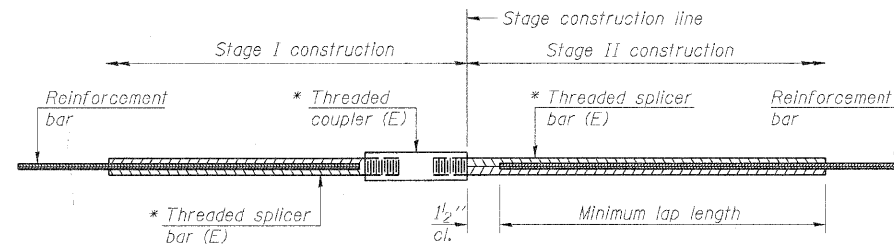
Minimum Lap Lengths				
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

Table 1: Black bar, 0.8 Class C
 Table 2: Black bar, Top bar lap, 0.8 Class C
 Table 3: Epoxy bar, 0.8 Class C
 Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
NB Slab	#5	1614	Table 3
SB Slab	#5	1614	Table 3



STANDARD BAR SPLICER ASSEMBLY

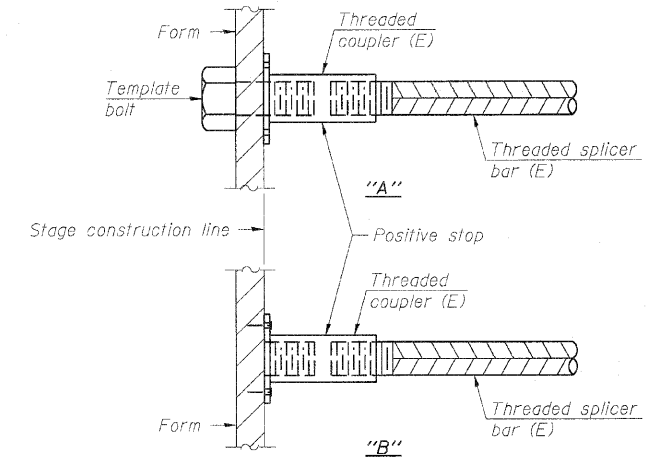
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"	6'-5"	6'-10"	7'-9"	8'-7"	9'-8"
10	5'-10"	8'-1"	8'-8"	9'-10"	10'-10"	12'-4"

Table 1: Black bar, 0.8 Class C
 Table 2: Black bar, Top bar lap, 0.8 Class C
 Table 3: Epoxy bar, 0.8 Class C
 Table 4: Epoxy bar, Top bar lap, 0.8 Class C
 Table 5: Epoxy bar, 1.7 Id Class C
 Table 6: Epoxy bar, Top bar lap, 1.7 Id Class C

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

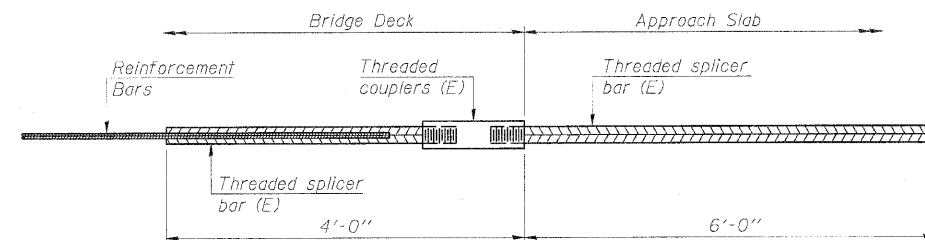
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Abutment Diaphragms	#6	16	Table 4
Approach Slabs	#4	100	Table 3
Approach Slabs	#5	184	Table 3
Approach Footings	#5	160	Table 3
Abutment Caps	#9	32	Table 6
Abutment Caps	#5	64	Table 6
Piers	#10	16	Table 6
Piers	#7	14	Table 5
Piers	#5	76	Table 6



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required = 112 NB Bridge
 112 SB Bridge

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See special provision for Mechanical Splicers.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BAR SPLICER DETAILS STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

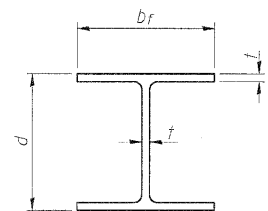
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JOB NO.
05R1532A
DATE
07/23/10

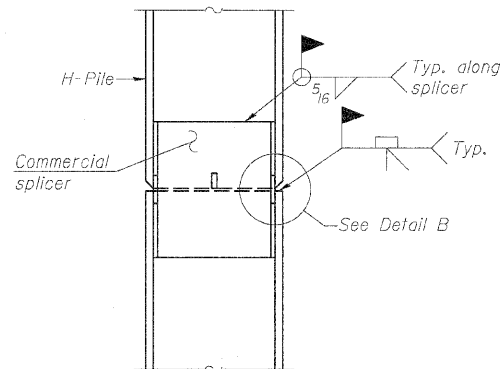
SHEET NO. 44
50 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-(HB)R	Rock Island	503	177
CONTRACT NO. 64815				
ILLINOIS FED. AID PROJECT				

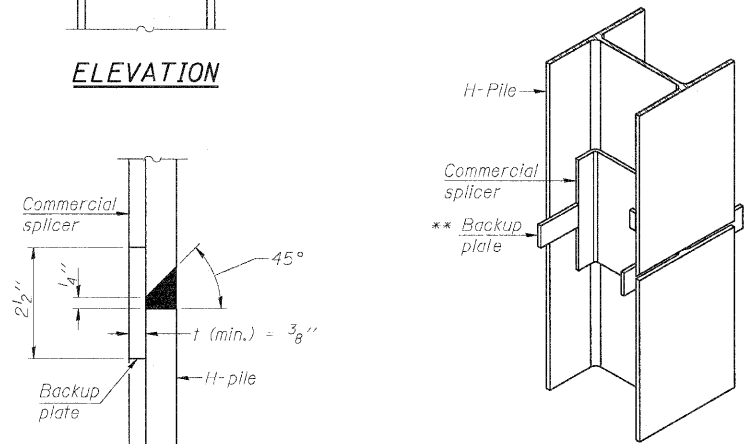


STEEL PILE TABLE

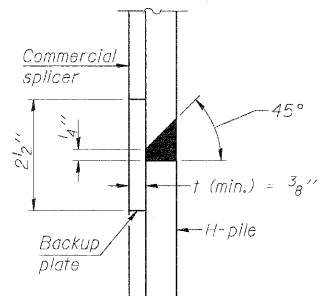
Designation	Depth d	Flange width b _f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	11/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53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



ELEVATION

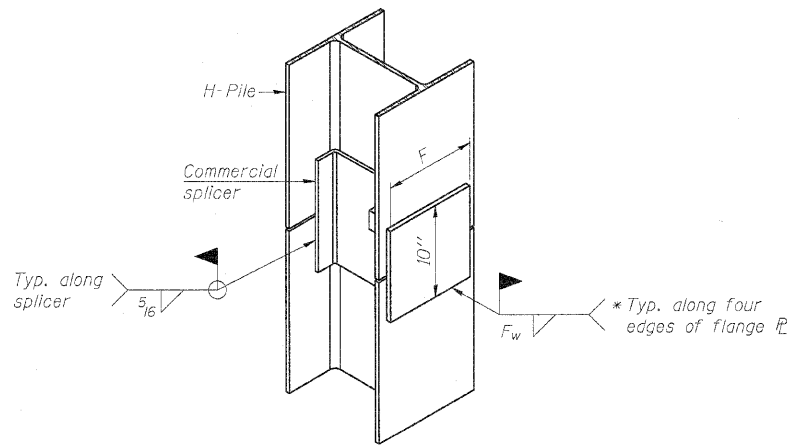


ISOMETRIC VIEW



DETAIL "B"

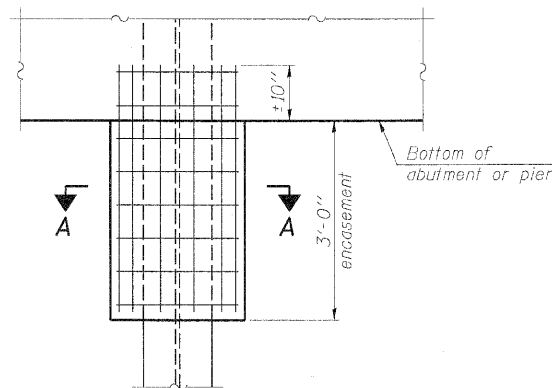
WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW

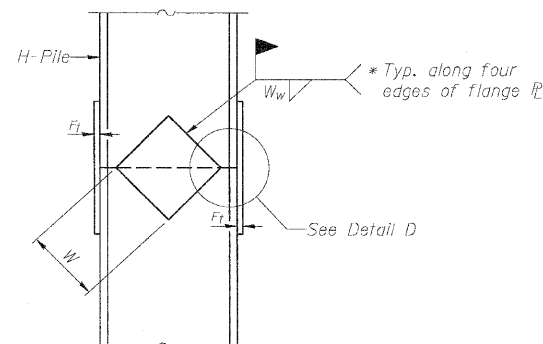
WELDED COMMERCIAL SPLICE ALTERNATE

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

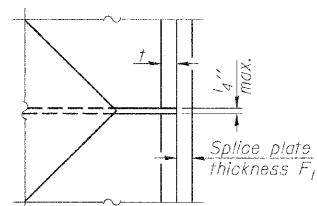


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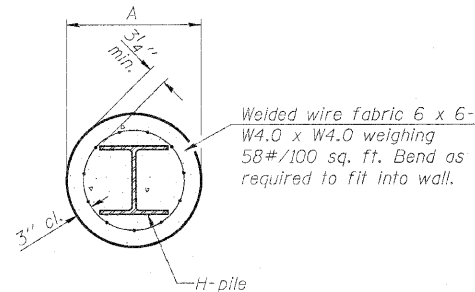
PILE ENCASEMENT



ELEVATION

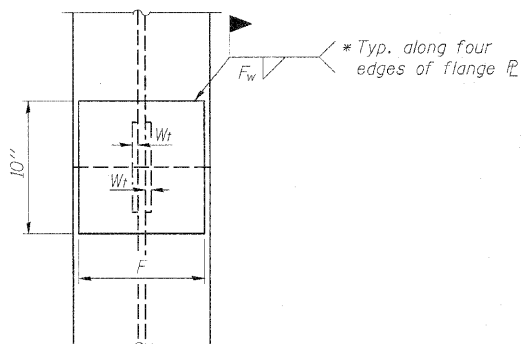


DETAIL D



SECTION A-A

Note:
Forms for encasement may be omitted when soil conditions permit.



END VIEW

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

WELDED PLATE FIELD SPLICE

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

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JOB NO. 05R1532A

SHEET NO. 45

50 SHEETS

DATE 07/23/10

STEEL H-PILE - DETAILS

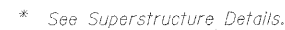
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81- (H/R)	Rock Island	503	178
CONTRACT NO. 64815				
ILLINOIS FED. AID PROJECT				

F-HP

11-1-09

LAYOUT 04/05/10
DRAWN 04/07/10
REVIEWED 04/07/10
DATE 07/23/10



$\frac{1}{2}'' \phi$ GFRP rebar lapped
 with #4 ex(E) bars (at
 saw cut locations)

$24''$
 cl.

$24''$
 cl.

#3 (E) bar
 at 11" cfs.

#4 (E) bar

$12''$
 cl.

Figure 1: Detail of the FRP rebar connection. The diagram shows a cross-section of a concrete slab with two horizontal layers of reinforcement. The top layer consists of 1/2 inch diameter GFRP rebar, with a 4-inch lap length indicated. The bottom layer consists of 1/2 inch diameter steel rebar. A vertical line indicates a full thickness saw cut through the slab. Labels include 'ex (E)' for the top layer, 'd(E)' for the bottom layer, and '1/2 inch diameter GFRP rebar, 4 inch lap length' for the top reinforcement.

CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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DATE 05/21/10		50 SHEETS	CONTRACT NO. 64815			ILLINOIS FED. AID PROJECT		



Illinois Department
of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 1 of 2

Date 6/16/03

ROUTE FAI 280 DESCRIPTION P92-045-02 1.0 m. E. of Mississippi River - IL 92 over I-280 LOGGED BY C. Jenkins

SECTION 81 HB LOCATION Blackhawk Twp. - 16 SW, SE, SEC., TWP. 17N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diederich Automatic

STRUCT. NO. _____
Station _____
BORING NO. B-3
Station 501+65
Offset 1.00 ft Lt. Ctr. of Median
Ground Surface Elev. 568.0 ft

D	B	U	M	Surface Water Elev.	None	D	B	U	M
E	L	C	O	Stream Bed Elev.	None	E	L	C	O
P	O	S	I			P	O	S	I
T	W	S	T	Groundwater Elev.:		T	W	S	T
H	S	Qu	T	First Encounter	550.0	H	S	Qu	T
				Upon Completion	Wash				
				After	Hrs.				
	(ft)	(ft)	(tsf)	(%)		(ft)	(ft)	(tsf)	(%)
MEDIUM brown SANDY LOAM		0.6	13	STIFF tan SANDY LOAM		2			
		P				6	1.6	13	
						7			
	585.00								
VERY STIFF black SANDY LOAM		7		VERY STIFF gray/green CLAY		4			
		9	2.9	with SAND lenses		6	2.5	27	
	583.50	11	S			7			
MEDIUM black SANDY LOAM		2		MEDIUM gray SILTY LOAM with		3			
		3	0.8	ORGANICS		2	0.5	24	
	581.00	4	S			4			
				STIFF black SILTY LOAM		1			
MEDIUM black SANDY LOAM		2				3	1.4	16	
with SAND lenses		5	0.7			6			
	578.50	4	S						
				LOOSE tan fine grained SAND		2			
MEDIUM black SILTY LOAM with		2				3			
SAND lenses		5	0.5			4			
	575.50	6	S						
				Same as above		1			
LOOSE dirty gray/black SAND		2				2			
		2				4			
	573.50	4							
				MEDIUM tan medium to coarse		2			
MEDIUM gray fine to medium		2		grained SAND		5			
grained SAND		6				10			
	571.00	7							
				LOOSE tan coarse grained SAND		2			
MEDIUM tan medium grained		7				4			
SAND		6				5			
	568.50	5							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)



Illinois Department
of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Page 2 of 2

Date 6/16/03

ROUTE FAI 280 DESCRIPTION P92-045-02 1.0 m. E. of Mississippi River - IL 92 over I-280 LOGGED BY C. Jenkins

SECTION 81 HB LOCATION Blackhawk Twp. - 16 SW, SE, SEC., TWP. 17N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diederich Automatic

STRUCT. NO. _____
Station _____
BORING NO. B-3
Station 501+65
Offset 1.00 ft Lt. Ctr. of Median
Ground Surface Elev. 568.0 ft

D	B	U	M	Surface Water Elev.	None	D	B	U	M
E	L	C	O	Stream Bed Elev.	None	E	L	C	O
P	O	S	I			P	O	S	I
T	W	S	T	Groundwater Elev.:		T	W	S	T
H	S	Qu	T	First Encounter	550.0	H	S	Qu	T
				Upon Completion	Wash				
				After	Hrs.				
	(ft)	(ft)	(tsf)	(%)		(ft)	(ft)	(tsf)	(%)
LOOSE tan coarse grained SAND		1		Wash		5			
		2		MEDIUM tan coarse grained		8			
	546.00	5		SAND		11			
Begin Wash		7							
MEDIUM tan SANDY GRAVEL		9							
	543.50	12							
Wash		4		Wash		20			
Same as above		9		VERY DENSE tan coarse SAND		25			
	541.00	9		with LIMESTONE fragments		38			
				Wash		25			
	538.50			VERY DENSE tan well-cemented		100/11"			
				SANDY GRAVEL		PEN			
Wash		3		VERY DENSE tan well-cemented		47			
Same as above		4		SANDY GRAVEL		37			
	536.00	6				27			
				End of Boring					
	533.50								
MEDIUM tan SANDY GRAVEL		15							
		15							
	531.00	16							
	528.50								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

BORING LOGS

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

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JOB NO.
05R1532A

SHEET NO. 49

50 SHEETS

DATE
07/23/10

F.A.I.
RTE.
280

SECTION

81-1(HB)R

COUNTY

Rock Island

TOTAL
SHEETS

503

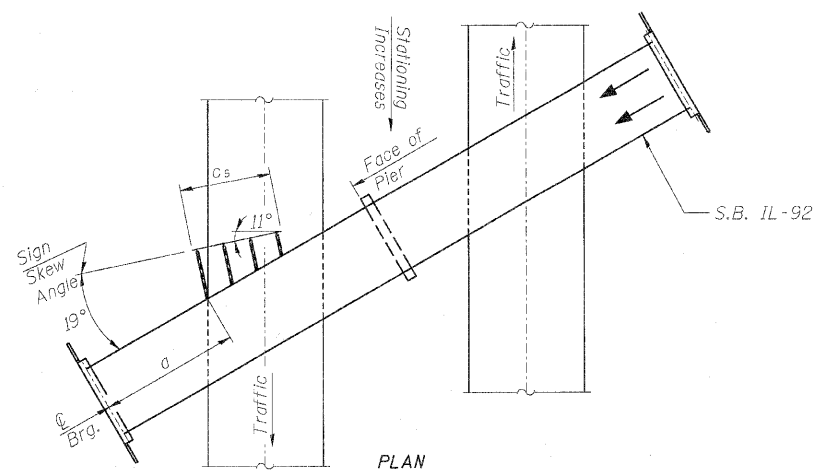
SHEET
NO.

182

CONTRACT NO. 64815

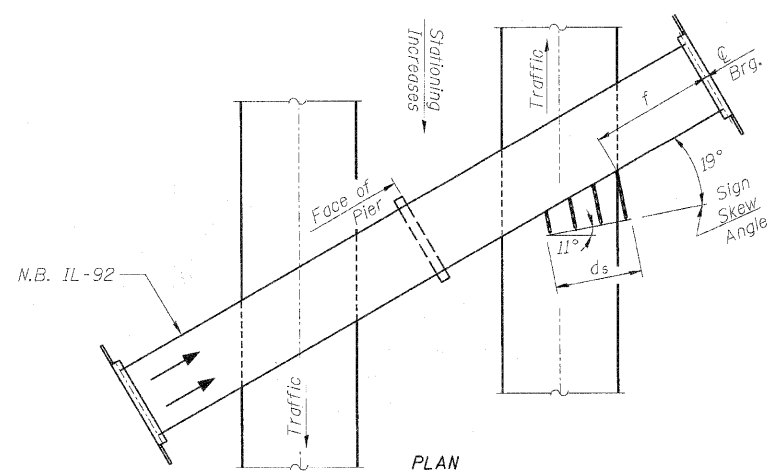
ILLINOIS FED. AID PROJECT

LAYOUT 4/27/10 04/05/10
DRAWN NOW/JUN 07/21/10
REVIEWED 4/27/10 07/21/10



SIGN LAYOUT SKETCH (S.B. IL-92 LANES)

Note: Sign is skewed 11° off line perpendicular to C S.B. lanes



SIGN LAYOUT SKETCH (N.B. IL-92 LANES)

Note: Sign is skewed 11° off line perpendicular to C N.B. lanes

GENERAL NOTES

SPECIFICATIONS:

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.

MINIMUM CLEARANCE: 3" greater than bridge members at all locations. (All Obstructions)

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

MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. 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 (M183, M223 Gr. 50).

HIGH STRENGTH BOLTS: All bolts, washers, nuts and locknuts shall satisfy the requirements of ASTM designation A307 unless noted as "H.S." which shall require AASHTO M164 (A325), ASTM A449, or approved alternate. All fasteners shall be hot dip galvanized per AASHTO M232 unless otherwise specified.

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: All-threaded rod conforming to ASTM A307, 3/4" ϕ x 12" long, each with one plate washer and locknut and be hot dip galvanized per AASHTO M232. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

TOTAL BILL OF MATERIAL

OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	Foot	37
SIGN PANEL, TYPE 3	S.F.	352

Structure Number	Sign Skew Angle	Bridge Station	Bridge Structure Number	Contract Route Designation	a	c _s	d _s	f	g	l min.	l max.	k min.	k max.
2B081S092L	19°	1392+06.90	081-0188 (S.B.)	F.A.I. 280	76'-7"	19'-0"	X	X	5'-8"	1'-1 1/4"	6'-11 1/2"	4'-1 5/8"	9'-11 7/8"
2B081S092R	19°	1391+69.94	081-0189 (N.B.)	F.A.I. 280	X	X	18'-0"	77'-1 1/4"	5'-4"	1'-2 7/8"	6'-9"	4'-3 1/4"	9'-9 3/8"

Dimensions a, f & g may vary as approved by the Engineer.

"a" and "f" are measured along C of fascia beam/girder to center of bracket.

c_s & d_s = sign width

BRIDGE MOUNT SIGN STRUCTURES

GENERAL PLAN AND NOTES

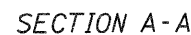
STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

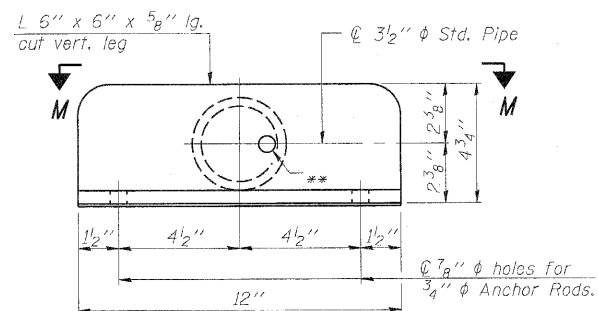
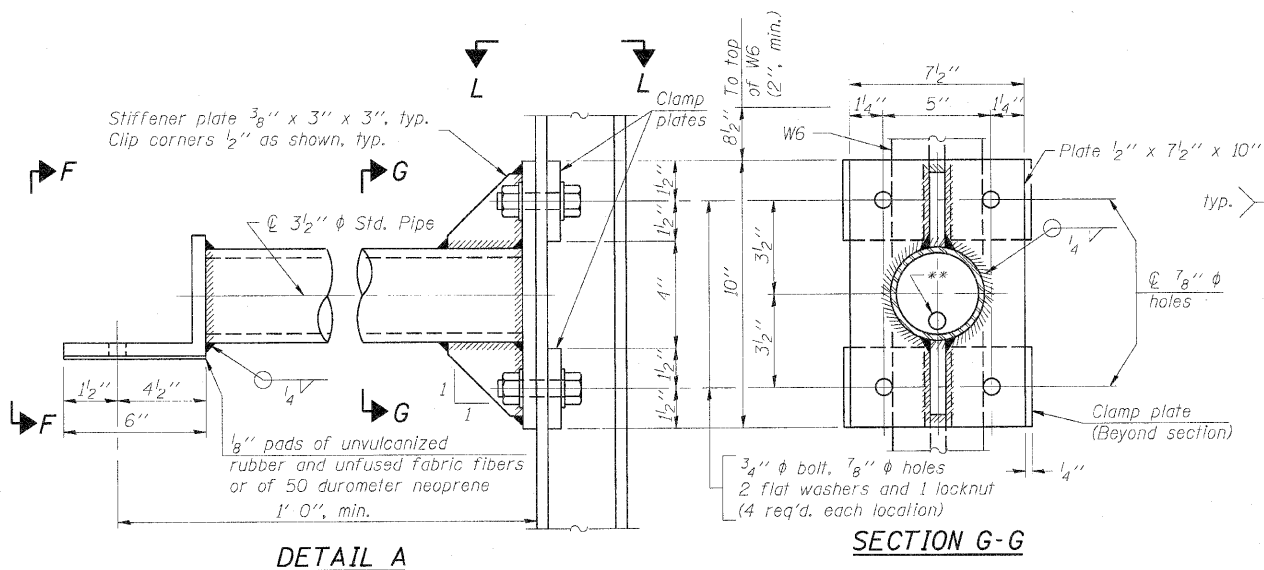
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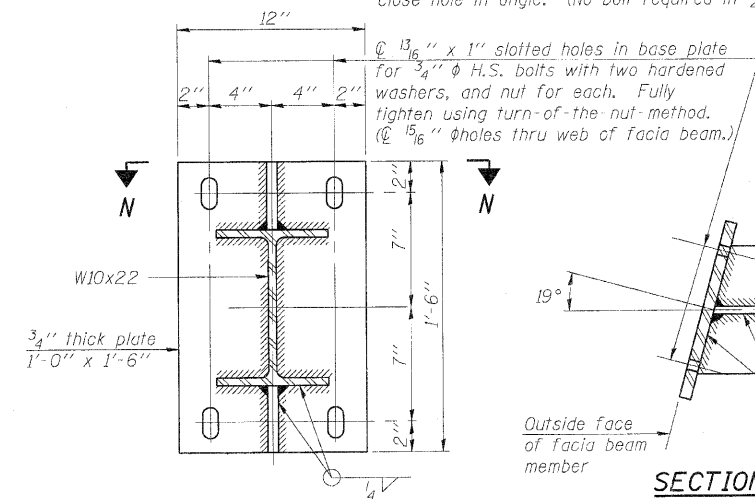
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DATE 07/23/10	3 SHEETS	CONTRACT NO. 64815				
			ILLINOIS	FED. AID PROJECT		





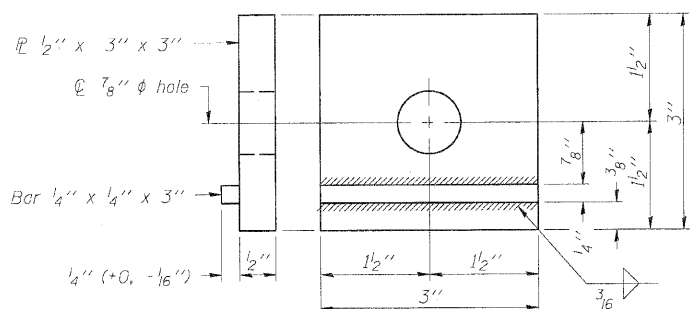
VIEW F-F

** 13/16\"/>

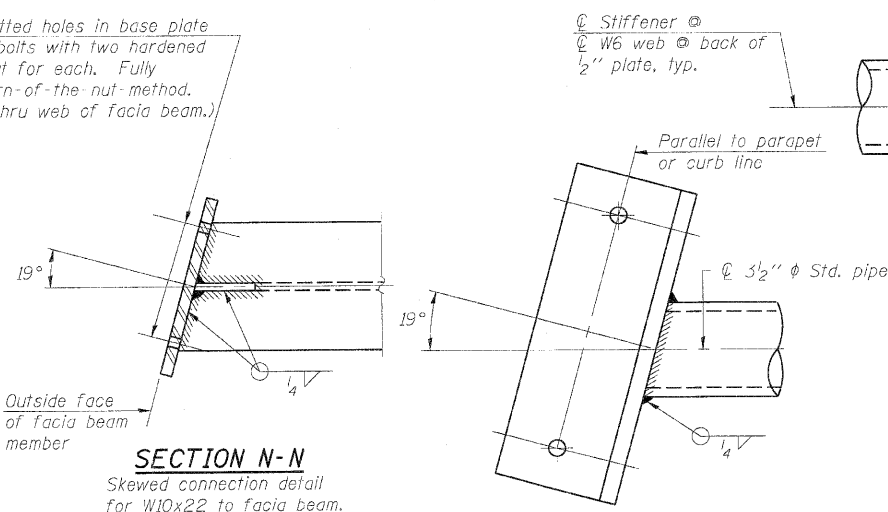


SECTION C-C

Steel beam or girder connection plate details

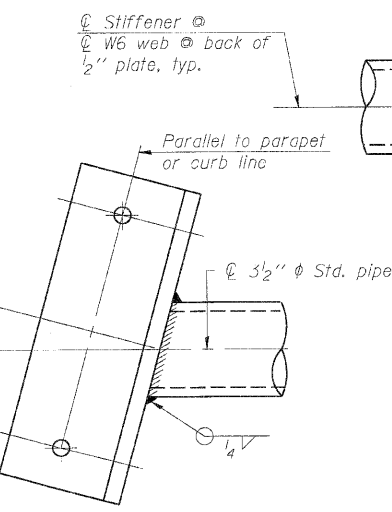


CLAMP PLATE DETAILS



SECTION N-N

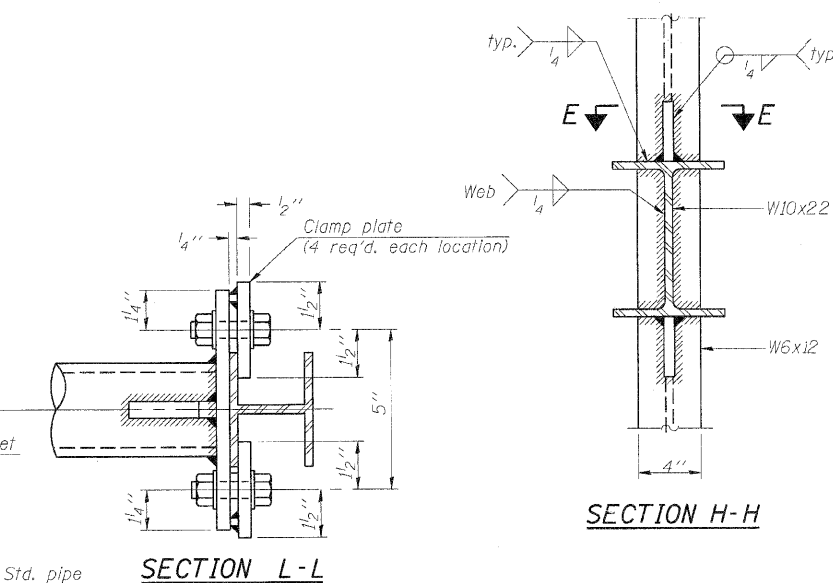
Skewed connection detail for W10x22 to fascia beam.



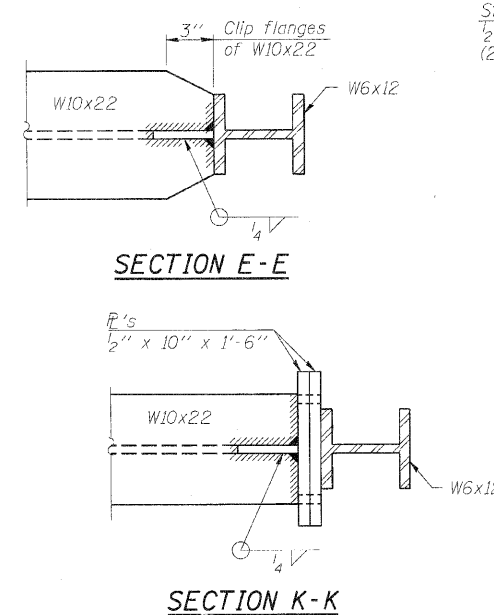
SECTION M-M

Skewed connection detail for 3/2\"/>

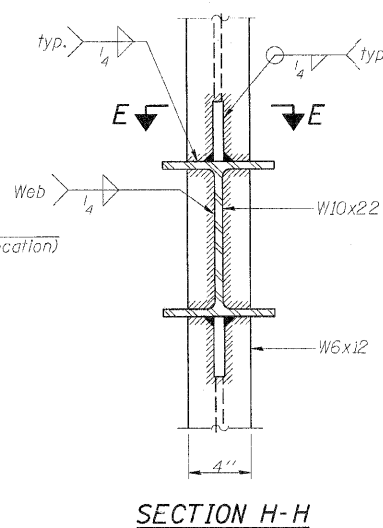
DETAIL B - WELDED W10x22 TO W6x12 CONNECTION



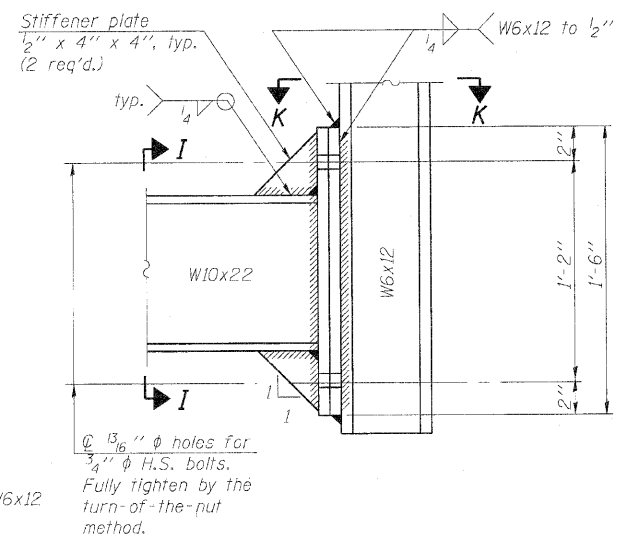
SECTION L-L



SECTION E-E

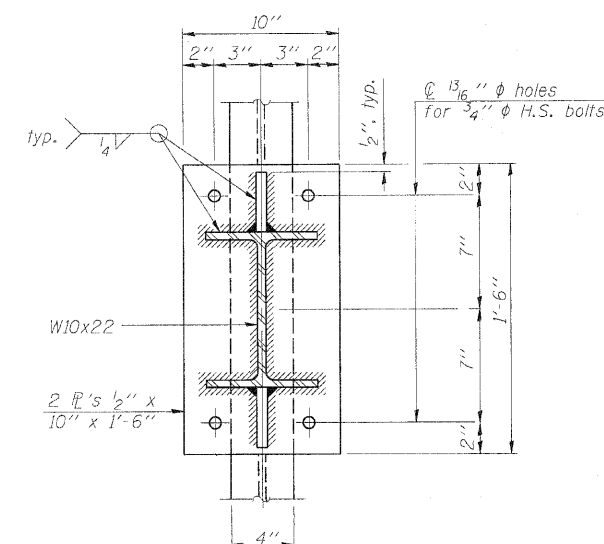


SECTION H-H



DETAIL B - ALTERNATE BOLTED W10x22 TO W6x12 CONNECTION

Alternate may be substituted by contractor to facilitate construction or galvanizing, especially on long struts for skewed bridges.



SECTION I-I

BRIDGE MOUNT SIGN STRUCTURES
CONNECTION DETAILS

STRUCTURE NUMBERS 081-0188 (S.B.) & 081-0189 (N.B.)

NUMBER	REVISION	DATE

PROFESSIONAL DESIGN FIRM LICENSE #184-001084

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HANSON
Hanson Professional Services Inc.

JOB NO.

05R1532A

DATE

07/23/10

SHEET NO. 3

3 SHEETS

F.A.I. RTE.

280

SECTION

81-1(HB)R

COUNTY

Rock Island

TOTAL SHEETS

503

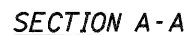
SHEET NO.

186

CONTRACT NO. 64815

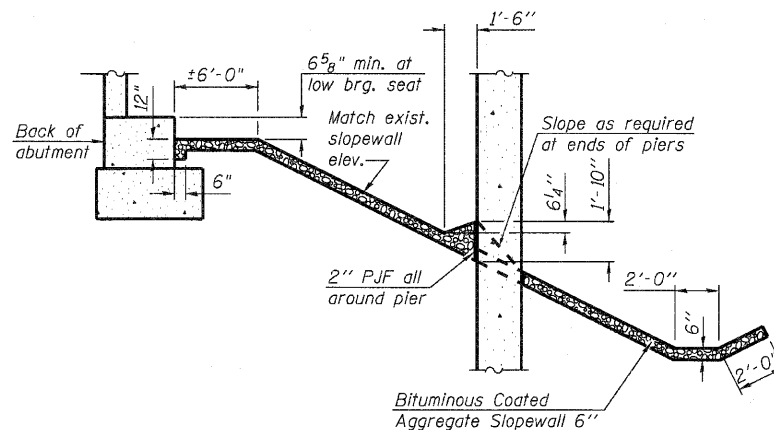
ILLINOIS FED. AID PROJECT

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		283	283
Concrete Removal	Cu. Yd.		44.1	44.1
Removal of Existing Concrete Deck No. 1	Each	2		2
Slope Wall Removal	Sq. Yd.			2773
Protective Shield	Sq. Yd.			837
Structure Excavation	Cu. Yd.		660	660
Floor Drains	Each	13		13
Concrete Structures	Cu. Yd.		305.6	305.6
Concrete Superstructure	Cu. Yd.	890.9		890.9
Bridge Deck Grooving	Sq. Yd.	2266		2266
Concrete Encasement	Cu. Yd.		5.6	5.6
Protective Coat	Sq. Yd.	2827		2827
Furnishing and Erecting Structural Steel Bridge No. 1	L. Sum	1		1
Cleaning and Painting Steel Bridge No. 1	L. Sum	1		1
Containment and Disposal of Lead Paint Cleaning Residues No. 1	L. Sum	1		1
Stud Shear Connectors	Each	9324		9324
Reinforcement Bars, Epoxy Coated	Pound	191160	39510	230670
Bar Splicers	Each		231	231
Bituminous Coated Aggregate Slopewall 6"	Sq. Yd.		3088	3088
Furnishing Steel Piles HP 10x42	Foot		1110	1110
Driving Piles	Foot		1110	1110
Name Plates	Each	2		2
Preformed Joint Strip Seal	Foot	243		243
Elastomeric Bearing Assembly, Type I	Each	4		4
Elastomeric Bearing Assembly, Type II	Each	2		2
Anchor Bolts, 1"	Each		16	16
Concrete Sealer	Sq. Ft.		848	848
Epoxy Crack Injection	Foot		6	6
Geocomposite Wall Drain	Sq. Yd.		141	141
Pipe Underdrains for Structures 4"	Foot		293	293
Drainage Scuppers, DS-II	Each	3		3
Structural Repair of Concrete (Depth Equal to or less than 5")	Sq. Ft.		20	20



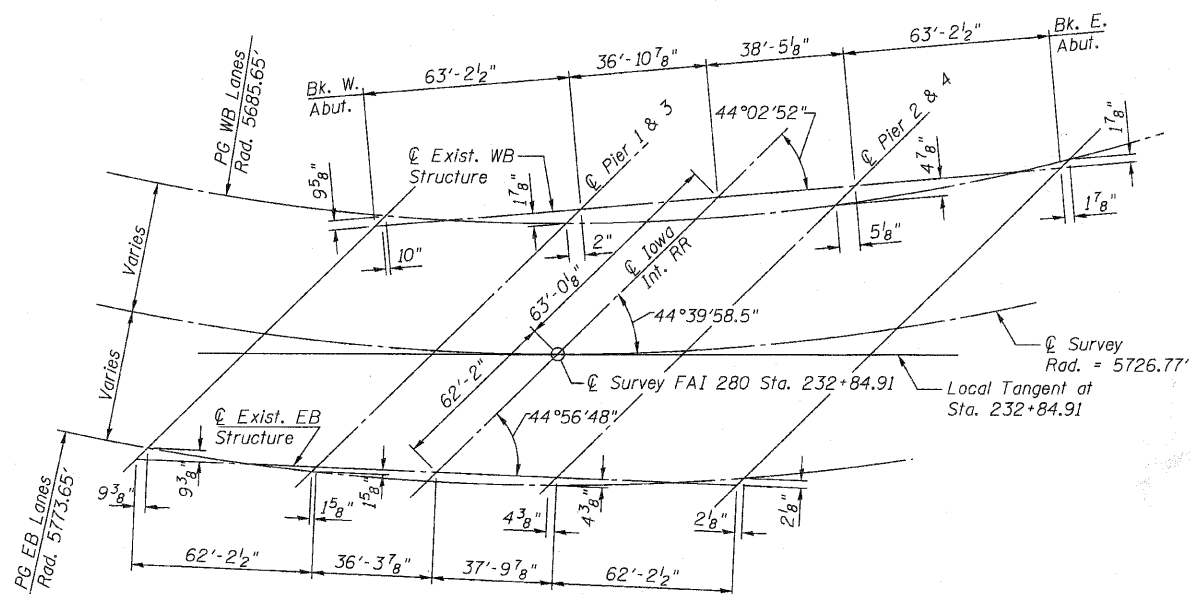
EB NAME PLATE
See Std. 515001

WB NAME PLATE
See Std. 515001



All Rubbish and Loose Earth in the Slopes Shall be Removed and any Eroded Portion of the Slopes shall be Filled and Compacted with Suitable Materials to the Lines and Grades as Shown on the Plans and/or Directed by the Engineer.

- 1 General Plan & Elevation
- 2 General Data
- 3 Footing Layout
- 4-6 Top of Slab Elevations EB Structure
- 7-8 Top of W & E Approach Slab Elevations (EB)
- 9-11 Top of Slab Elevations WB Structure
- 12-13 Top of W & E Approach Slab Elevations (WB)
- 14-15 Superstructure
- 16-17 Superstructure Details
- 18-19 Bridge Approach Slab Details EB
- 20-21 Bridge Approach Slab Details WB
- 22 Preformed Joint Strip Seal
- 23 Drainage Scupper, DS-II
- 24 Framing Plan
- 25-26 Structural Steel Details
- 27-28 Bearing Details
- 29-32 Concrete Removal Details
- 33-35 West Abutment EB Structure
- 36-38 East Abutment EB Structure
- 39-41 West Abutment WB Structure
- 42-44 East Abutment WB Structure
- 45 Piers 1 & 2
- 46 Piers 3 & 4
- 47 HP Pile Details
- 48 Bar Splicer Assembly and Mechanical Splicer Details
- 49 Concrete Parapet Slipforming Option
- 50-55 Boring Logs



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PLOT DATE      = 7/21/2010
FILE NAME      = ...0801-0018-0019-64815-002-gen-dot-a.dgn
PLOT SCALE     = 41.4111 1" / IN.
USER NAME      = CFC-

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Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{3}{8}$ -in. ϕ , holes $\frac{15}{16}$ -in. ϕ , unless otherwise noted.

Calculated weight of Structural Steel = 57,260 lbs.

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

The Contractor shall test the existing welds by non-destructive methods within 2 ft. of the end of the existing cover plates for cracks after removal of the existing concrete deck. Dye penetrant (PT), magnetic particle (MT), or other approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, report them to the Bureau of Bridges and Structures for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid for according to Article 109.04 of the Standard Specifications.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding $\frac{1}{4}$ inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

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.

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 $\frac{1}{8}$ 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 concrete for bridge decks finished according to Article 503.16(d) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.

The Protective Shield shall extend from centerline to centerline of the piers in the middle span of each structure and the width shall be the out to out parapet width of each structure plus 3 feet beyond each parapet.

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 surfaces and the bottom of the bottom flange of fascia beams, masked off connection surfaces, field installed fasteners and damaged areas shall be touched up and finish coated 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 the bottom of the bottom flange of fascia beams shall be Blue, Munsell No. 10B 3/6. See Special Provision for "Cleaning and Painting New Metal Structures."

Cleaning and painting of the existing structural steel shall be as specified in the Special Provision for "Cleaning and Painting Existing Steel Structures." All existing steel shall be cleaned per Near White Blast Cleaning- SSPC-SP10. All existing steel shall be painted according to the requirements of Paint System 1- 02/E/U. The color of the final finish coat for all interior surfaces shall be Gray, Munsell No. 5B 7/1. The color for the final finish coat for the exterior and bottom flange of the fascia beams shall be Blue, Munsell No. 10B 3/6.

A minimum of three (3) air monitors will be required to monitor abrasive blasting operations at this site. See Special Provision for "Containment and Disposal of Lead Paint Cleaning Residues."

STRUCTURE NO. 081-0018 (EB)
STRUCTURE NO. 081-0019 (WB)

 Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Design Firm License No. 184-002703	PROJECT NO. 09033	SHEET NO. 2 55 SHEETS	F.A.I. SECTION RTE.		COUNTY	TOTAL SHEETS	SHEET NO.
	SCALE DATE 6/4/2010		280	81-1 (VB) R	ROCK ISLAND	503	188
	DESIGN BY BD/MCB				CONTRACT NO. 64815		
	CHECKED BY MML VCB		FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT		

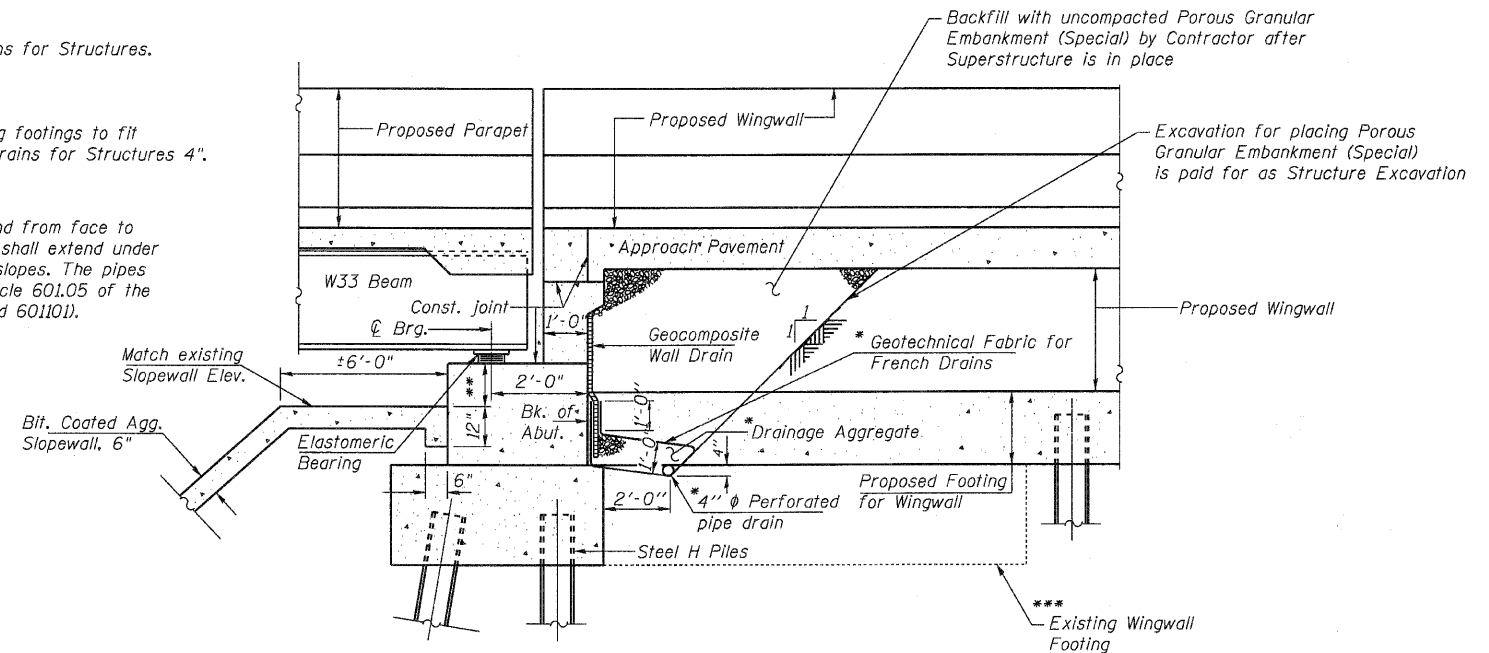
* Included in the cost of Pipe Underdrains for Structures.

** 6⁵/₈" minimum at existing cap.

*** Remove 5" x 5" area of top of existing footings to fit pipe drain. Cost included in Pipe Underdrains for Structures 4".

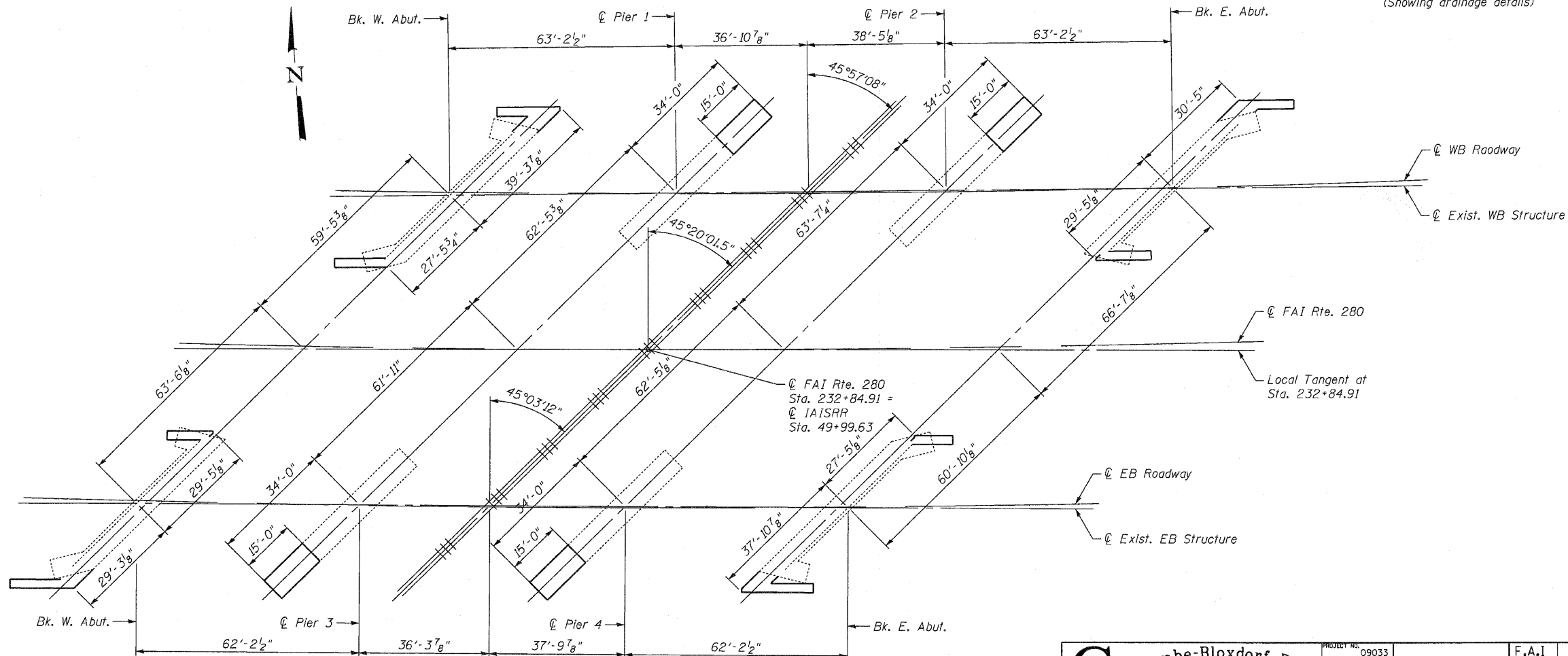
Note:

All drainage system components shall extend from face to face of each wingwall except an outlet pipe shall extend under the wingwall 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).



SECTION THRU ABUTMENT EXTENSION

(Horiz. dim. @ Rt. L's)
(Showing drainage details)



PLAN

FOOTING LAYOUT
STRUCTURE NO. 081-0018 (EB)
STRUCTURE NO. 081-0019 (WB)

CB Coombe-Bloxdorf P.C.
- CIVIL ENGINEERS -
- STRUCTURAL ENGINEERS -
- LAND SURVEYORS -
Design Firm License No. 184-002703

PROJECT NO. 09033
SCALE
DATE 6/4/2010
DESIGN BY
DRAWN BY MCB
CHECKED BY CFC

SHEET NO. 3
55 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1 (VB) R	ROCK ISLAND	503	189
CONTRACT NO. 64815				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	23159.54	-16.18	589.65	589.65
CL Brg. W. Abut.	23162.36	-16.23	589.66	589.66
A	23172.31	-16.39	589.67	589.68
B	23182.26	-16.54	589.68	589.70
C	23192.21	-16.66	589.69	589.71
D	23202.17	-16.77	589.70	589.71
E	23212.12	-16.86	589.70	589.71
CL Pier 3	23221.45	-16.93	589.70	589.70
F	23231.40	-16.99	589.70	589.72
G	23241.35	-17.03	589.70	589.72
H	23251.31	-17.06	589.70	589.73
I	23261.26	-17.06	589.70	589.73
J	23271.21	-17.05	589.69	589.71
K	23281.16	-17.03	589.68	589.69
CL Pier 4	23295.24	-16.96	589.66	589.66
L	23305.20	-16.89	589.65	589.66
M	23315.15	-16.80	589.63	589.65
N	23325.10	-16.69	589.61	589.64
O	23335.05	-16.57	589.59	589.62
P	23345.00	-16.43	589.57	589.59
CL Brg E. Abut.	23354.33	-16.28	589.55	589.55
Bk. E. Abut.	23357.15	-16.24	589.54	589.54

BEAM 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	23153.02	-9.39	589.83	589.83
CL Brg. W. Abut.	23155.83	-9.45	589.84	589.84
A	23165.77	-9.62	589.85	589.86
B	23175.71	-9.78	589.86	589.88
C	23185.65	-9.91	589.87	589.89
D	23195.59	-10.03	589.88	589.89
E	23205.53	-10.14	589.89	589.89
CL Pier 3	23214.85	-10.22	589.89	589.89
F	23224.79	-10.29	589.89	589.90
G	23234.73	-10.34	589.89	589.91
H	23244.67	-10.38	589.89	589.92
I	23254.61	-10.40	589.89	589.92
J	23264.56	-10.40	589.88	589.90
K	23274.50	-10.38	589.87	589.89
CL Pier 4	23288.56	-10.33	589.86	589.86
L	23298.50	-10.27	589.84	589.85
M	23308.44	-10.19	589.83	589.85
N	23318.38	-10.10	589.81	589.84
O	23328.32	-9.99	589.80	589.82
P	23338.26	-9.86	589.77	589.79
CL Brg E. Abut.	23347.58	-9.72	589.75	589.75
Bk. E. Abut.	23350.39	-9.68	589.75	589.75

BEAM 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	23146.51	-2.60	590.01	590.01
CL Brg. W. Abut.	23149.32	-2.66	590.01	590.01
A	23159.25	-2.84	590.03	590.04
B	23169.17	-3.01	590.04	590.06
C	23179.10	-3.16	590.05	590.08
D	23189.03	-3.29	590.06	590.08
E	23198.96	-3.40	590.07	590.08
CL Pier 3	23208.27	-3.50	590.07	590.07
F	23218.20	-3.58	590.08	590.09
G	23228.13	-3.64	590.08	590.10
H	23238.06	-3.69	590.08	590.11
I	23247.98	-3.72	590.08	590.11
J	23257.91	-3.73	590.07	590.09
K	23267.84	-3.73	590.06	590.08
CL Pier 4	23281.89	-3.69	590.05	590.05
L	23291.82	-3.64	590.04	590.05
M	23301.75	-3.58	590.03	590.04
N	23311.68	-3.50	590.01	590.04
O	23321.61	-3.40	589.99	590.02
P	23331.54	-3.28	589.98	589.99
CL Brg E. Abut.	23340.84	-3.16	589.96	589.96
Bk. E. Abut.	23343.66	-3.12	589.95	589.95

EAST BOUND ROADWAY

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	23144.02	0.00	590.08	590.08
CL Brg. W. Abut.	23146.78	0.00	590.08	590.08
A	23156.52	0.00	590.10	590.12
B	23166.28	0.00	590.12	590.14
C	23176.05	0.00	590.14	590.16
D	23185.84	0.00	590.15	590.16
E	23195.64	0.00	590.16	590.17
CL Pier 3	23204.85	0.00	590.17	590.17
F	23214.69	0.00	590.18	590.19
G	23224.54	0.00	590.18	590.20
H	23234.41	0.00	590.18	590.21
I	23244.30	0.00	590.18	590.21
J	23254.21	0.00	590.18	590.20
K	23264.13	0.00	590.17	590.19
CL Pier 4	23278.19	0.00	590.16	590.16
L	23288.16	0.00	590.15	590.15
M	23298.14	0.00	590.13	590.15
N	23308.14	0.00	590.12	590.14
O	23318.16	0.00	590.10	590.12
P	23328.19	0.00	590.08	590.09
CL Brg E. Abut.	23337.61	0.00	590.05	590.05
Bk. E. Abut.	23340.47	0.00	590.05	590.05

BEAM 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	23140.01	4.20	590.18	590.18
CL Brg. W. Abut.	23142.82	4.14	590.19	590.19
A	23152.74	3.95	590.20	590.22
B	23162.65	3.77	590.22	590.24
C	23172.57	3.61	590.23	590.25
D	23182.48	3.46	590.24	590.26
E	23192.40	3.34	590.25	590.26
CL Pier 3	23201.70	3.23	590.26	590.26
F	23211.62	3.14	590.26	590.27
G	23221.53	3.07	590.26	590.29
H	23231.45	3.01	590.26	590.29
I	23241.37	2.97	590.26	590.30
J	23251.29	2.94	590.26	590.28
K	23261.21	2.94	590.26	590.27
CL Pier 4	23275.24	2.96	590.24	590.24
L	23285.16	2.99	590.23	590.24
M	23295.07	3.04	590.22	590.24
N	23304.99	3.11	590.21	590.23
O	23314.91	3.20	590.19	590.21
P	23324.83	3.31	590.18	590.19
CL Brg E. Abut.	23334.12	3.42	590.16	590.16
Bk. E. Abut.	23336.93	3.46	590.15	590.15

BEAM 11

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	23133.53	11.01	590.36	590.36
CL Brg. W. Abut.	23136.34	10.95	590.36	590.36
A	23146.24	10.74	590.38	590.39
B	23156.15	10.55	590.40	590.42
C	23166.05	10.38	590.41	590.43
D	23175.96	10.22	590.42	590.44
E	23185.86	10.09	590.43	590.44
CL Pier 3	23195.15	9.97	590.44	590.44
F	23205.05	9.87	590.45	590.46
G	23214.96	9.78	590.45	590.47
H	23224.87	9.71	590.45	590.48
I	23234.77	9.66	590.45	590.48
J	23244.68	9.62	590.45	590.47
K	23254.59	9.60	590.45	590.46
CL Pier 4	23268.60	9.61	590.44	590.44
L	23278.51	9.63	590.43	590.44
M	23288.41	9.67	590.42	590.43
N	23298.32	9.73	590.41	590.43
O	23308.23	9.81	590.39	590.41
P	23318.13	9.90	590.37	590.39
CL Brg E. Abut.	23327.42	10.00	590.36	590.36
Bk. E. Abut.	23330.22	10.04	590.35	590.35

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 081-0018 (EB)

CB Coombe-Bloxdorf P.C.
 - CIVIL ENGINEERS -
 - STRUCTURAL ENGINEERS -
 - LAND SURVEYORS -
 Design Firm License No. 184-002703

PROJECT NO. 09033
 SCALE
 DATE 6/4/2010
 DESIGN BY MCB
 DRAWN BY CFC
 CHECKED BY MCB

SHEET NO. 5
 55 SHEETS

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1 (VB) R	ROCK ISLAND	503	191
CONTRACT NO. 64815				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

BEAM 12

<i>Location</i>	<i>Station</i>	<i>Offset</i>	<i>Theoretical Grade Elevations</i>	<i>Theoretical Grade Elevations Adjusted For Dead Load Deflection</i>
<i>Bk. W. Abut.</i>	<i>23127.07</i>	<i>17.83</i>	<i>590.53</i>	<i>590.53</i>
<i>CL Brg. W. Abut.</i>	<i>23129.87</i>	<i>17.76</i>	<i>590.54</i>	<i>590.54</i>
<i>A</i>	<i>23139.76</i>	<i>17.54</i>	<i>590.56</i>	<i>590.57</i>
<i>B</i>	<i>23149.66</i>	<i>17.34</i>	<i>590.57</i>	<i>590.59</i>
<i>C</i>	<i>23159.55</i>	<i>17.16</i>	<i>590.59</i>	<i>590.61</i>
<i>D</i>	<i>23169.44</i>	<i>16.99</i>	<i>590.60</i>	<i>590.62</i>
<i>E</i>	<i>23179.33</i>	<i>16.84</i>	<i>590.61</i>	<i>590.62</i>
<i>CL Pier 3</i>	<i>23188.61</i>	<i>16.72</i>	<i>590.62</i>	<i>590.62</i>
<i>F</i>	<i>23198.50</i>	<i>16.60</i>	<i>590.63</i>	<i>590.64</i>
<i>G</i>	<i>23208.40</i>	<i>16.50</i>	<i>590.63</i>	<i>590.65</i>
<i>H</i>	<i>23218.29</i>	<i>16.42</i>	<i>590.64</i>	<i>590.67</i>
<i>I</i>	<i>23228.19</i>	<i>16.36</i>	<i>590.64</i>	<i>590.67</i>
<i>J</i>	<i>23238.08</i>	<i>16.31</i>	<i>590.64</i>	<i>590.66</i>
<i>K</i>	<i>23247.98</i>	<i>16.28</i>	<i>590.64</i>	<i>590.65</i>
<i>CL Pier 4</i>	<i>23261.98</i>	<i>16.27</i>	<i>590.63</i>	<i>590.63</i>
<i>L</i>	<i>23271.87</i>	<i>16.28</i>	<i>590.62</i>	<i>590.63</i>
<i>M</i>	<i>23281.77</i>	<i>16.31</i>	<i>590.61</i>	<i>590.63</i>
<i>N</i>	<i>23291.66</i>	<i>16.36</i>	<i>590.60</i>	<i>590.62</i>
<i>O</i>	<i>23301.56</i>	<i>16.42</i>	<i>590.59</i>	<i>590.61</i>
<i>P</i>	<i>23311.45</i>	<i>16.50</i>	<i>590.57</i>	<i>590.58</i>
<i>CL Brg E. Abut.</i>	<i>23320.73</i>	<i>16.59</i>	<i>590.56</i>	<i>590.56</i>
<i>Bk. E. Abut.</i>	<i>23323.53</i>	<i>16.63</i>	<i>590.55</i>	<i>590.55</i>

BEAM E

<i>Location</i>	<i>Station</i>	<i>Offset</i>	<i>Theoretical Grade Elevations</i>	<i>Theoretical Grade Elevations Adjusted For Dead Load Deflection</i>
<i>Bk. W. Abut.</i>	<i>23121.59</i>	<i>23.63</i>	<i>590.68</i>	<i>590.68</i>
<i>CL Brg. W. Abut.</i>	<i>23124.39</i>	<i>23.56</i>	<i>590.68</i>	<i>590.68</i>
<i>A</i>	<i>23134.27</i>	<i>23.33</i>	<i>590.70</i>	<i>590.72</i>
<i>B</i>	<i>23144.15</i>	<i>23.12</i>	<i>590.72</i>	<i>590.74</i>
<i>C</i>	<i>23154.03</i>	<i>22.93</i>	<i>590.74</i>	<i>590.76</i>
<i>D</i>	<i>23163.92</i>	<i>22.75</i>	<i>590.75</i>	<i>590.77</i>
<i>E</i>	<i>23173.80</i>	<i>22.59</i>	<i>590.77</i>	<i>590.77</i>
<i>CL Pier 3</i>	<i>23183.06</i>	<i>22.46</i>	<i>590.77</i>	<i>590.77</i>
<i>F</i>	<i>23192.95</i>	<i>22.33</i>	<i>590.78</i>	<i>590.79</i>
<i>G</i>	<i>23202.83</i>	<i>22.22</i>	<i>590.79</i>	<i>590.81</i>
<i>H</i>	<i>23212.72</i>	<i>22.13</i>	<i>590.79</i>	<i>590.82</i>
<i>I</i>	<i>23222.60</i>	<i>22.06</i>	<i>590.80</i>	<i>590.83</i>
<i>J</i>	<i>23232.49</i>	<i>22.00</i>	<i>590.80</i>	<i>590.82</i>
<i>K</i>	<i>23242.38</i>	<i>21.96</i>	<i>590.80</i>	<i>590.81</i>
<i>CL Pier 4</i>	<i>23256.36</i>	<i>21.94</i>	<i>590.79</i>	<i>590.79</i>
<i>L</i>	<i>23266.24</i>	<i>21.94</i>	<i>590.78</i>	<i>590.79</i>
<i>M</i>	<i>23276.13</i>	<i>21.96</i>	<i>590.78</i>	<i>590.79</i>
<i>N</i>	<i>23286.02</i>	<i>22.00</i>	<i>590.77</i>	<i>590.79</i>
<i>O</i>	<i>23295.90</i>	<i>22.05</i>	<i>590.75</i>	<i>590.77</i>
<i>P</i>	<i>23305.79</i>	<i>22.12</i>	<i>590.74</i>	<i>590.75</i>
<i>CL Brg E. Abut.</i>	<i>23315.05</i>	<i>22.20</i>	<i>590.72</i>	<i>590.72</i>
<i>Bk. E. Abut.</i>	<i>23317.85</i>	<i>22.23</i>	<i>590.72</i>	<i>590.72</i>

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 081-0018 (EB)

PLOT DATE = 7/21/2010
PLOT SCALE = 1/8" = 1'-0"
USER NAME = CFC

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach	23132.01	-18.00	589.54
A	23141.75	-18.00	589.57
B	23151.52	-18.00	589.59
E. End E. Approach	23161.30	-18.00	589.61

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach	23126.29	-12.00	589.69
A	23136.02	-12.00	589.72
B	23145.76	-12.00	589.74
E. End E. Approach	23155.52	-12.00	589.76

CENTERLINE EB LANES

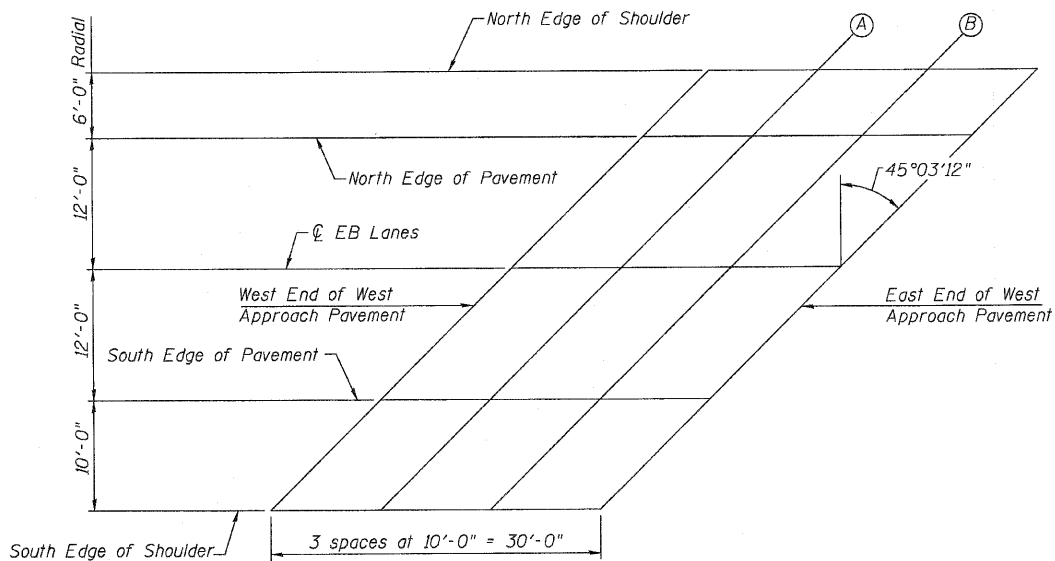
Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach	23114.91	0.00	590.00
A	23124.60	0.00	590.03
B	23134.30	0.00	590.05
E. End E. Approach	23144.02	0.00	590.08

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach	23103.60	12.00	590.30
A	23113.25	12.00	590.33
B	23122.91	12.00	590.36
E. End E. Approach	23132.59	12.00	590.38

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach	23094.22	22.00	590.55
A	23103.84	22.00	590.58
B	23113.47	22.00	590.61
E. End E. Approach	23123.12	22.00	590.64



PLAN
WEST APPROACH (EB)

TOP OF WEST APPROACH SLAB ELEVATIONS
EB STRUCTURE
STRUCTURE NO. 081-0018 (EB)

CB Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Design Firm License No. 184-002703	PROJECT NO. 090333 SCALE DATE 6/4/2010 DESIGN BY BD/MCB DRAWN BY TFC CHECKED BY MCB	SHEET NO. 7 55 SHEETS	F.A.I RTE. 280	SECTION 81-1 (VB) R	COUNTY ROCK ISLAND	TOTAL SHEETS 503	SHEET NO. 193
	CONTRACT NO. 64815 FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT						

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Approach	23358.97	-18.00	589.49
A	23369.11	-18.00	589.46
B	23379.27	-18.00	589.42
E. End E. Approach	23389.45	-18.00	589.38

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Approach	23352.78	-12.00	589.68
A	23362.90	-12.00	589.64
B	23373.04	-12.00	589.61
E. End E. Approach	23383.19	-12.00	589.57

CENTERLINE EB LANES

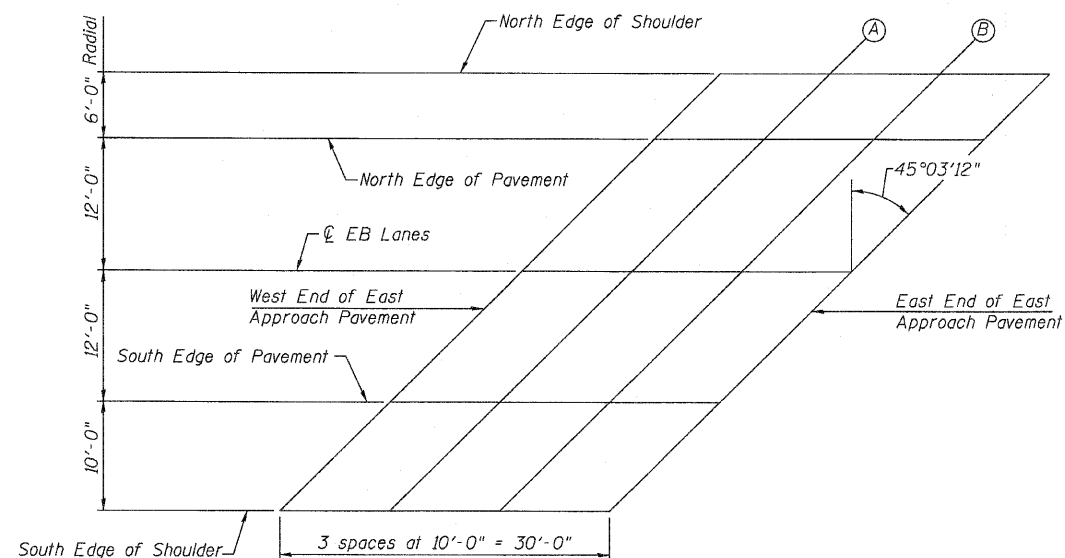
Location	Station	Offset	Theoretical Grade Elevations
W. End E. Approach	23340.47	0.00	590.05
A	23350.54	0.00	590.02
B	23360.63	0.00	589.99
E. End E. Approach	23370.75	0.00	589.95

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Approach	23328.23	12.00	590.41
A	23338.26	12.00	590.39
B	23348.31	12.00	590.36
E. End E. Approach	23358.38	12.00	590.33

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End E. Approach	23318.09	22.00	590.71
A	23328.09	22.00	590.69
B	23338.10	22.00	590.67
E. End E. Approach	23348.13	22.00	590.64



**PLAN
EAST APPROACH (EB)**

TOP OF EAST APPROACH SLAB ELEVATIONS

EB STRUCTURE

STRUCTURE NO. 081-0018 (EB)

CB Coombe-Bloxdorf P.C. CIVIL ENGINEERS- STRUCTURAL ENGINEERS- LAND SURVEYORS- Design Firm License No. 184-002703	PROJECT NO. 09033 SCALE DATE 6/4/2010 DESIGN BY BD/MCB DRAWN BY TFG CHECKED BY MCB	SHEET NO. 8 55 SHEETS	F.A.I. RTE. 280 SECTION 81-1 (VB) R COUNTY ROCK ISLAND TOTAL SHEETS 503 SHEET NO. 194	CONTRACT NO. 64815 FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT
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BEAM A

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection.
Bk. W. Abut.	23251.74	-21.61	589.57	589.57
CL Brg. W. Abut.	23254.65	-21.66	589.57	589.57
A	23264.76	-21.81	589.56	589.58
B	23274.87	-21.95	589.55	589.57
C	23284.99	-22.08	589.53	589.56
D	23295.11	-22.18	589.52	589.53
E	23305.22	-22.27	589.50	589.51
CL Pier 1	23315.68	-22.34	589.48	589.48
F	23325.79	-22.39	589.45	589.47
G	23335.91	-22.42	589.43	589.45
H	23346.03	-22.44	589.40	589.44
I	23356.14	-22.44	589.37	589.41
J	23366.26	-22.42	589.34	589.37
K	23376.38	-22.38	589.31	589.33
L	23386.49	-22.32	589.27	589.28
CL Pier 2	23391.89	-22.29	589.25	589.25
M	23402.00	-22.21	589.22	589.22
N	23412.12	-22.11	589.18	589.19
O	23422.24	-21.99	589.13	589.16
P	23432.35	-21.85	589.09	589.11
Q	23442.46	-21.70	589.04	589.06
CL Brg. E. Abut.	23452.92	-21.52	588.99	588.99
Bk. E. Abut.	23455.82	-21.47	588.98	588.98

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	23246.26	-16.18	589.73	589.73
CL Brg. W. Abut.	23249.16	-16.23	589.72	589.72
A	23259.27	-16.40	589.72	589.73
B	23269.37	-16.55	589.70	589.73
C	23279.48	-16.68	589.69	589.72
D	23289.58	-16.79	589.68	589.69
E	23299.69	-16.89	589.66	589.67
CL Pier 1	23310.13	-16.97	589.64	589.64
F	23320.24	-17.03	589.62	589.63
G	23330.35	-17.07	589.59	589.62
H	23340.45	-17.10	589.57	589.60
I	23350.56	-17.11	589.54	589.58
J	23360.67	-17.10	589.51	589.54
K	23370.78	-17.07	589.48	589.50
L	23380.88	-17.02	589.44	589.45
CL Pier 2	23386.27	-16.99	589.42	589.42
M	23396.38	-16.92	589.39	589.40
N	23406.49	-16.83	589.35	589.37
O	23416.59	-16.72	589.31	589.33
P	23426.70	-16.60	589.26	589.29
Q	23436.80	-16.45	589.22	589.23
CL Brg. E. Abut.	23447.24	-16.29	589.17	589.17
Bk. E. Abut.	23450.15	-16.24	589.15	589.15

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	23239.42	-9.38	589.92	589.92
CL Brg. W. Abut.	23242.32	-9.44	589.92	589.92
A	23252.41	-9.62	589.91	589.92
B	23262.50	-9.78	589.90	589.92
C	23272.60	-9.92	589.89	589.91
D	23282.69	-10.05	589.87	589.89
E	23292.79	-10.16	589.86	589.87
CL Pier 1	23303.22	-10.25	589.84	589.84
F	23313.31	-10.32	589.82	589.83
G	23323.41	-10.38	589.80	589.82
H	23333.50	-10.42	589.77	589.80
I	23343.60	-10.44	589.74	589.78
J	23353.69	-10.44	589.72	589.75
K	23363.79	-10.42	589.69	589.71
L	23373.89	-10.39	589.65	589.66
CL Pier 2	23379.27	-10.36	589.63	589.63
M	23389.36	-10.30	589.60	589.61
N	23399.46	-10.23	589.56	589.58
O	23409.55	-10.13	589.52	589.55
P	23419.65	-10.02	589.48	589.51
Q	23429.74	-9.89	589.44	589.45
CL Brg. E. Abut.	23440.17	-9.73	589.39	589.39
Bk. E. Abut.	23443.07	-9.69	589.38	589.38

BEAM 3

<i>Location</i>	<i>Station</i>	<i>Offset</i>	<i>Theoretical Grade Elevations</i>	<i>Theoretical Grade Elevations Adjusted For Dead Load Deflection</i>
<i>Bk. W. Abut.</i>	<i>23232.60</i>	<i>-2.58</i>	<i>590.11</i>	<i>590.11</i>
<i>CL Brg. W. Abut.</i>	<i>23235.49</i>	<i>-2.64</i>	<i>590.11</i>	<i>590.11</i>
<i>A</i>	<i>23245.58</i>	<i>-2.83</i>	<i>590.10</i>	<i>590.12</i>
<i>B</i>	<i>23255.66</i>	<i>-3.00</i>	<i>590.09</i>	<i>590.12</i>
<i>C</i>	<i>23265.74</i>	<i>-3.16</i>	<i>590.08</i>	<i>590.11</i>
<i>D</i>	<i>23275.82</i>	<i>-3.30</i>	<i>590.07</i>	<i>590.09</i>
<i>E</i>	<i>23285.90</i>	<i>-3.42</i>	<i>590.05</i>	<i>590.06</i>
<i>CL Pier 1</i>	<i>23296.32</i>	<i>-3.52</i>	<i>590.04</i>	<i>590.04</i>
<i>F</i>	<i>23306.40</i>	<i>-3.61</i>	<i>590.02</i>	<i>590.03</i>
<i>G</i>	<i>23316.49</i>	<i>-3.68</i>	<i>590.00</i>	<i>590.02</i>
<i>H</i>	<i>23326.57</i>	<i>-3.73</i>	<i>589.97</i>	<i>590.01</i>
<i>I</i>	<i>23336.65</i>	<i>-3.76</i>	<i>589.95</i>	<i>589.99</i>
<i>J</i>	<i>23346.74</i>	<i>-3.77</i>	<i>589.92</i>	<i>589.95</i>
<i>K</i>	<i>23356.82</i>	<i>-3.77</i>	<i>589.89</i>	<i>589.91</i>
<i>L</i>	<i>23366.90</i>	<i>-3.75</i>	<i>589.86</i>	<i>589.87</i>
<i>CL Pier 2</i>	<i>23372.28</i>	<i>-3.73</i>	<i>589.85</i>	<i>589.85</i>
<i>M</i>	<i>23382.36</i>	<i>-3.68</i>	<i>589.81</i>	<i>589.82</i>
<i>N</i>	<i>23392.45</i>	<i>-3.62</i>	<i>589.77</i>	<i>589.79</i>
<i>O</i>	<i>23402.53</i>	<i>-3.53</i>	<i>589.74</i>	<i>589.76</i>
<i>P</i>	<i>23412.61</i>	<i>-3.43</i>	<i>589.70</i>	<i>589.72</i>
<i>Q</i>	<i>23422.70</i>	<i>-3.31</i>	<i>589.65</i>	<i>589.67</i>
<i>CL Brg. E. Abut.</i>	<i>23433.11</i>	<i>-3.17</i>	<i>589.61</i>	<i>589.61</i>
<i>Bk. E. Abut.</i>	<i>23436.01</i>	<i>-3.13</i>	<i>589.59</i>	<i>589.59</i>

Q WEST BOUND ROADWAY

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Deck Load Deflection
Bk. W. Abut.	23230.01	0.00	590.18	590.18
CL Brg. W. Abut.	23232.85	0.00	590.18	590.18
A	23242.73	0.00	590.18	590.20
B	23252.63	0.00	590.18	590.20
C	23262.54	0.00	590.17	590.20
D	23272.47	0.00	590.16	590.18
E	23282.42	0.00	590.15	590.16
CL Pier 1	23292.72	0.00	590.14	590.14
F	23302.70	0.00	590.13	590.14
G	23312.70	0.00	590.11	590.13
H	23322.72	0.00	590.09	590.12
I	23332.76	0.00	590.06	590.10
J	23342.81	0.00	590.04	590.07
K	23352.88	0.00	590.01	590.03
L	23362.98	0.00	589.98	589.99
CL Pier 2	23368.37	0.00	589.96	589.96
M	23378.49	0.00	589.93	589.94
N	23388.62	0.00	589.89	589.91
O	23398.78	0.00	589.85	589.88
P	23408.96	0.00	589.81	589.83
Q	23419.15	0.00	589.76	589.78
CL Brg. E. Abut.	23429.71	0.00	589.71	589.71
Bk. E. Abut.	23432.65	0.00	589.70	589.70

BEAM 4

<i>Location</i>	<i>Station</i>	<i>Offset</i>	<i>Theoretical Grade Elevations</i>	<i>Theoretical Grade Elevations Adjusted For Dead Load Deflection</i>
<i>Bk. W. Abut.</i>	<i>23225.79</i>	<i>4.23</i>	<i>590.30</i>	<i>590.30</i>
<i>CL Brg. W. Abut.</i>	<i>23228.69</i>	<i>4.17</i>	<i>590.30</i>	<i>590.30</i>
<i>A</i>	<i>23238.75</i>	<i>3.96</i>	<i>590.29</i>	<i>590.31</i>
<i>B</i>	<i>23248.82</i>	<i>3.78</i>	<i>590.28</i>	<i>590.31</i>
<i>C</i>	<i>23258.89</i>	<i>3.61</i>	<i>590.28</i>	<i>590.30</i>
<i>D</i>	<i>23268.96</i>	<i>3.46</i>	<i>590.26</i>	<i>590.28</i>
<i>E</i>	<i>23279.03</i>	<i>3.33</i>	<i>590.25</i>	<i>590.26</i>
<i>CL Pier 1</i>	<i>23289.44</i>	<i>3.21</i>	<i>590.24</i>	<i>590.24</i>
<i>F</i>	<i>23299.51</i>	<i>3.11</i>	<i>590.22</i>	<i>590.23</i>
<i>G</i>	<i>23309.58</i>	<i>3.03</i>	<i>590.20</i>	<i>590.22</i>
<i>H</i>	<i>23319.65</i>	<i>2.97</i>	<i>590.18</i>	<i>590.21</i>
<i>I</i>	<i>23329.72</i>	<i>2.93</i>	<i>590.15</i>	<i>590.19</i>
<i>J</i>	<i>23339.80</i>	<i>2.90</i>	<i>590.13</i>	<i>590.16</i>
<i>K</i>	<i>23349.87</i>	<i>2.89</i>	<i>590.10</i>	<i>590.12</i>
<i>L</i>	<i>23359.94</i>	<i>2.90</i>	<i>590.07</i>	<i>590.08</i>
<i>CL Pier 2</i>	<i>23365.31</i>	<i>2.91</i>	<i>590.05</i>	<i>590.05</i>
<i>M</i>	<i>23375.38</i>	<i>2.95</i>	<i>590.02</i>	<i>590.03</i>
<i>N</i>	<i>23385.45</i>	<i>3.00</i>	<i>589.99</i>	<i>590.00</i>
<i>O</i>	<i>23395.52</i>	<i>3.07</i>	<i>589.95</i>	<i>589.98</i>
<i>P</i>	<i>23405.60</i>	<i>3.16</i>	<i>589.91</i>	<i>589.94</i>
<i>Q</i>	<i>23415.67</i>	<i>3.27</i>	<i>589.87</i>	<i>589.89</i>
<i>CL Brg. E. Abut.</i>	<i>23426.07</i>	<i>3.40</i>	<i>589.83</i>	<i>589.83</i>
<i>Bk. E. Abut.</i>	<i>23428.97</i>	<i>3.44</i>	<i>589.81</i>	<i>589.81</i>

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 081-0019 (WB)

BEAM 5

<i>Location</i>	<i>Station</i>	<i>Offset</i>	<i>Theoretical Grade Elevations</i>	<i>Theoretical Grade Elevations Adjusted For Dead Load Deflection</i>
<i>Bk. W. Abut.</i>	<i>23219.00</i>	<i>11.05</i>	<i>590.49</i>	<i>590.49</i>
<i>CL Brg. W. Abut.</i>	<i>23221.89</i>	<i>10.98</i>	<i>590.49</i>	<i>590.49</i>
<i>A</i>	<i>23231.95</i>	<i>10.77</i>	<i>590.48</i>	<i>590.50</i>
<i>B</i>	<i>23242.01</i>	<i>10.57</i>	<i>590.48</i>	<i>590.50</i>
<i>C</i>	<i>23252.06</i>	<i>10.39</i>	<i>590.47</i>	<i>590.50</i>
<i>D</i>	<i>23262.12</i>	<i>10.23</i>	<i>590.46</i>	<i>590.48</i>
<i>E</i>	<i>23272.18</i>	<i>10.08</i>	<i>590.45</i>	<i>590.46</i>
<i>CL Pier 1</i>	<i>23282.57</i>	<i>9.95</i>	<i>590.43</i>	<i>590.43</i>
<i>F</i>	<i>23292.63</i>	<i>9.84</i>	<i>590.42</i>	<i>590.43</i>
<i>G</i>	<i>23302.69</i>	<i>9.75</i>	<i>590.40</i>	<i>590.42</i>
<i>H</i>	<i>23312.75</i>	<i>9.68</i>	<i>590.38</i>	<i>590.41</i>
<i>I</i>	<i>23322.81</i>	<i>9.62</i>	<i>590.36</i>	<i>590.40</i>
<i>J</i>	<i>23332.87</i>	<i>9.59</i>	<i>590.33</i>	<i>590.36</i>
<i>K</i>	<i>23342.93</i>	<i>9.56</i>	<i>590.31</i>	<i>590.33</i>
<i>L</i>	<i>23352.99</i>	<i>9.56</i>	<i>590.28</i>	<i>590.28</i>
<i>CL Pier 2</i>	<i>23358.36</i>	<i>9.57</i>	<i>590.26</i>	<i>590.26</i>
<i>M</i>	<i>23368.42</i>	<i>9.59</i>	<i>590.23</i>	<i>590.24</i>
<i>N</i>	<i>23378.47</i>	<i>9.63</i>	<i>590.20</i>	<i>590.22</i>
<i>O</i>	<i>23388.53</i>	<i>9.69</i>	<i>590.16</i>	<i>590.19</i>
<i>P</i>	<i>23398.59</i>	<i>9.77</i>	<i>590.12</i>	<i>590.15</i>
<i>Q</i>	<i>23408.65</i>	<i>9.86</i>	<i>590.09</i>	<i>590.10</i>
<i>CL Brg. E. Abut.</i>	<i>23419.05</i>	<i>9.98</i>	<i>590.04</i>	<i>590.04</i>
<i>Bk. E. Abut.</i>	<i>23421.94</i>	<i>10.01</i>	<i>590.03</i>	<i>590.03</i>

BEAM

<i>Location</i>	<i>Station</i>	<i>Offset</i>	<i>Theoretical Grade Elevations</i>	<i>Theoretical Grade Elevations Adjusted For Dead Load Deflection</i>
<i>Bk. W. Abut.</i>	<i>23212.23</i>	<i>17.87</i>	<i>590.67</i>	<i>590.67</i>
<i>CL Brg. W. Abut.</i>	<i>23215.12</i>	<i>17.80</i>	<i>590.67</i>	<i>590.67</i>
<i>A</i>	<i>23225.16</i>	<i>17.58</i>	<i>590.67</i>	<i>590.69</i>
<i>B</i>	<i>23235.21</i>	<i>17.37</i>	<i>590.67</i>	<i>590.69</i>
<i>C</i>	<i>23245.25</i>	<i>17.18</i>	<i>590.66</i>	<i>590.69</i>
<i>D</i>	<i>23255.30</i>	<i>17.00</i>	<i>590.65</i>	<i>590.67</i>
<i>E</i>	<i>23265.34</i>	<i>16.85</i>	<i>590.64</i>	<i>590.65</i>
<i>CL Pier 1</i>	<i>23275.72</i>	<i>16.70</i>	<i>590.63</i>	<i>590.63</i>
<i>F</i>	<i>23285.77</i>	<i>16.58</i>	<i>590.61</i>	<i>590.63</i>
<i>G</i>	<i>23295.82</i>	<i>16.48</i>	<i>590.60</i>	<i>590.62</i>
<i>H</i>	<i>23305.87</i>	<i>16.40</i>	<i>590.58</i>	<i>590.61</i>
<i>I</i>	<i>23315.91</i>	<i>16.33</i>	<i>590.56</i>	<i>590.60</i>
<i>J</i>	<i>23325.96</i>	<i>16.28</i>	<i>590.54</i>	<i>590.57</i>
<i>K</i>	<i>23336.01</i>	<i>16.24</i>	<i>590.51</i>	<i>590.53</i>
<i>L</i>	<i>23346.06</i>	<i>16.23</i>	<i>590.48</i>	<i>590.49</i>
<i>CL Pier 2</i>	<i>23351.42</i>	<i>16.23</i>	<i>590.47</i>	<i>590.47</i>
<i>M</i>	<i>23361.46</i>	<i>16.24</i>	<i>590.44</i>	<i>590.45</i>
<i>N</i>	<i>23371.51</i>	<i>16.27</i>	<i>590.41</i>	<i>590.43</i>
<i>O</i>	<i>23381.56</i>	<i>16.31</i>	<i>590.37</i>	<i>590.40</i>
<i>P</i>	<i>23391.61</i>	<i>16.38</i>	<i>590.34</i>	<i>590.36</i>
<i>Q</i>	<i>23401.66</i>	<i>16.46</i>	<i>590.30</i>	<i>590.32</i>
<i>CL Brg. E. Abut.</i>	<i>23412.04</i>	<i>16.56</i>	<i>590.26</i>	<i>590.26</i>
<i>Bk. E. Abut.</i>	<i>23414.93</i>	<i>16.59</i>	<i>590.25</i>	<i>590.25</i>

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 081-0019 (WB)

PLOT DATE = 7/21/2010
 FILE NAME = 181-0018-0019-012-top-west-approach-slab-elev-wb.dgn
 PLOT SCALE = 82.822118 1" = 100'
 USER NAME = DFC

NORTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach	23222.38	-22.00	589.56
A	23232.28	-22.00	589.56
B	23242.20	-22.00	589.56
E. End W. Approach	23252.13	-22.00	589.56

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach	23212.40	-12.00	589.84
A	23222.27	-12.00	589.84
B	23232.15	-12.00	589.84
E. End W. Approach	23242.05	-12.00	589.84

CENTERLINE WB LANES

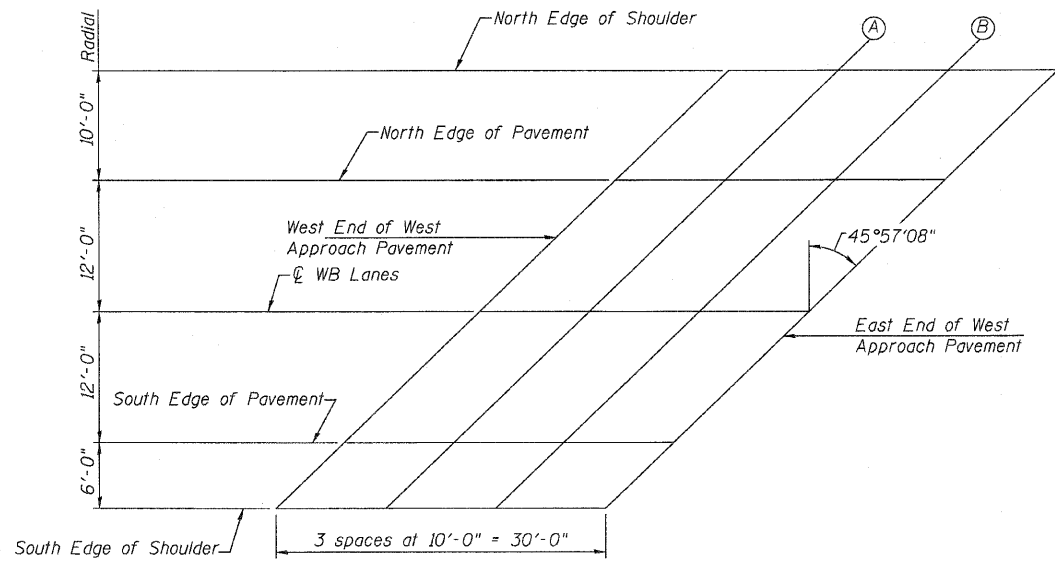
Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach	23200.49	0.00	590.17
A	23210.32	0.00	590.17
B	23220.16	0.00	590.18
E. End W. Approach	23230.01	0.00	590.18

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach	23188.66	12.00	590.49
A	23198.44	12.00	590.50
B	23208.24	12.00	590.51
E. End W. Approach	23218.06	12.00	590.51

SOUTH EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
W. End W. Approach	23182.77	18.00	590.65
A	23192.53	18.00	590.66
B	23202.31	18.00	590.67
E. End W. Approach	23212.11	18.00	590.68



PLAN
 WEST APPROACH (WB)

TOP OF WEST APPROACH SLAB ELEVATIONS

WB STRUCTURE

STRUCTURE NO. 081-0019 (WB)

CB Coombe-Bloxdorf P.C. -CIVIL ENGINEERS- -STRUCTURAL ENGINEERS- -LAND SURVEYORS- Design Firm License No. 184-002703	PROJECT NO. 09033	SHEET NO. 12	F.A.I. RTE. 280	SECTION 81-1 (VB) R	COUNTY ROCK ISLAND	TOTAL SHEETS 503	SHEET NO. 198
	DATE 6/4/2010	65 SHEETS					
	DESIGN BY BD/MCB						
	CHECKED BY TFG						
			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

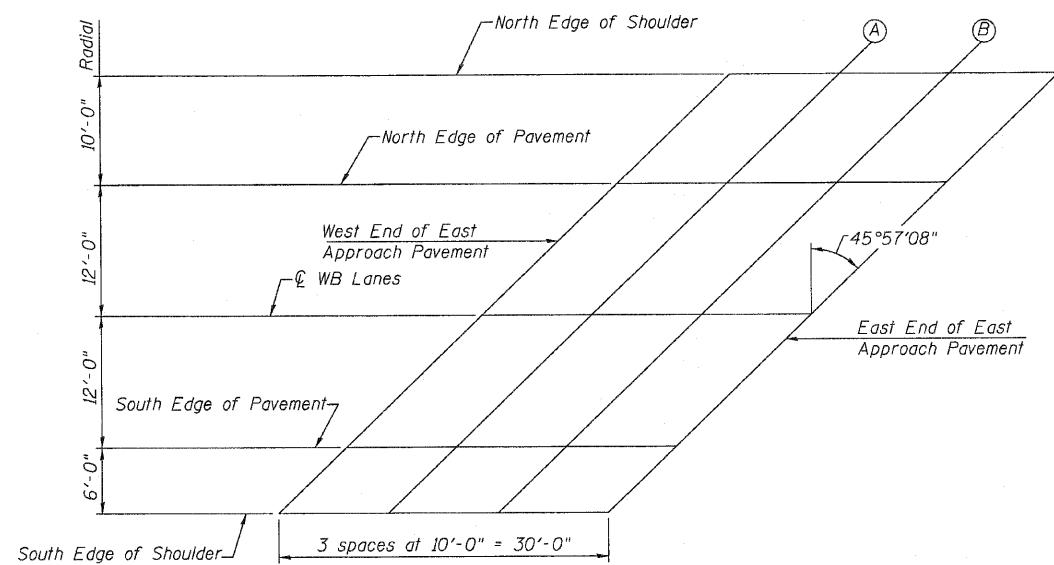
<i>Location</i>	<i>Station</i>	<i>Offset</i>	<i>Theoretical Grade Elevations</i>
<i>W. End E. Approach</i>	<i>23456.40</i>	<i>-22.00</i>	<i>588.96</i>
<i>A</i>	<i>23466.72</i>	<i>-22.00</i>	<i>588.90</i>
<i>B</i>	<i>23477.07</i>	<i>-22.00</i>	<i>588.84</i>
<i>E. End E. Approach</i>	<i>23487.44</i>	<i>-22.00</i>	<i>588.78</i>

<i>Location</i>	<i>Station</i>	<i>Offset</i>	<i>Theoretical Grade Elevations</i>
<i>W. End E. Approach</i>	<i>23445.57</i>	<i>-12.00</i>	<i>589.30</i>
<i>A</i>	<i>23455.85</i>	<i>-12.00</i>	<i>589.24</i>
<i>B</i>	<i>23466.16</i>	<i>-12.00</i>	<i>589.18</i>
<i>E. End E. Approach</i>	<i>23476.49</i>	<i>-12.00</i>	<i>589.12</i>

<i>Location</i>	<i>Station</i>	<i>Offset</i>	<i>Theoretical Grade Elevations</i>
<i>W. End E. Approach</i>	<i>23432.65</i>	<i>0.00</i>	<i>589.70</i>
<i>A</i>	<i>23442.89</i>	<i>0.00</i>	<i>589.65</i>
<i>B</i>	<i>23453.15</i>	<i>0.00</i>	<i>589.59</i>
<i>E. End E. Approach</i>	<i>23463.43</i>	<i>0.00</i>	<i>589.54</i>

<i>Location</i>	<i>Station</i>	<i>Offset</i>	<i>Theoretical Grade Elevations</i>
<i>W. End E. Approach</i>	<i>23419.82</i>	<i>12.00</i>	<i>590.10</i>
<i>A</i>	<i>23430.01</i>	<i>12.00</i>	<i>590.05</i>
<i>B</i>	<i>23440.23</i>	<i>12.00</i>	<i>590.00</i>
<i>E. End E. Approach</i>	<i>23450.46</i>	<i>12.00</i>	<i>589.94</i>

<i>Location</i>	<i>Station</i>	<i>Offset</i>	<i>Theoretical Grade Elevations</i>
<i>W. End E. Approach</i>	<i>23413.43</i>	<i>18.00</i>	<i>590.29</i>
<i>A</i>	<i>23423.60</i>	<i>18.00</i>	<i>590.25</i>
<i>B</i>	<i>23433.80</i>	<i>18.00</i>	<i>590.20</i>
<i>E. End E. Approach</i>	<i>23444.01</i>	<i>18.00</i>	<i>590.15</i>

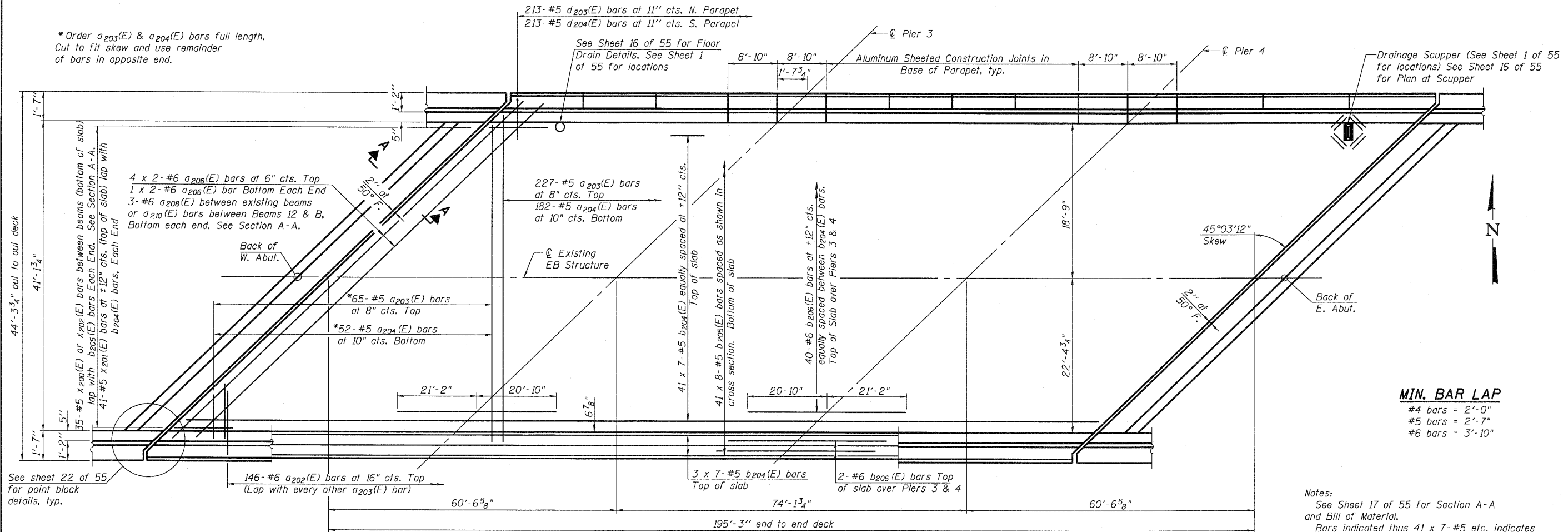


PLAN
EAST APPROACH (WB)

WB STRUCTURE

PROJECT NO. 09033	SHEET NO. 13 55 SHEETS	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE		280	81-1 (VB) R	ROCK ISLAND	503	199
DATE 6/4/2010		CONTRACT NO. 64815				
DESIGN BY BD/MCB						
DRAWN BY TFG						
CHECKED BY MCR	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT					

*Order a203(E) & a204(E) bars full length.
Cut to fit skew and use remainder
of bars in opposite end.

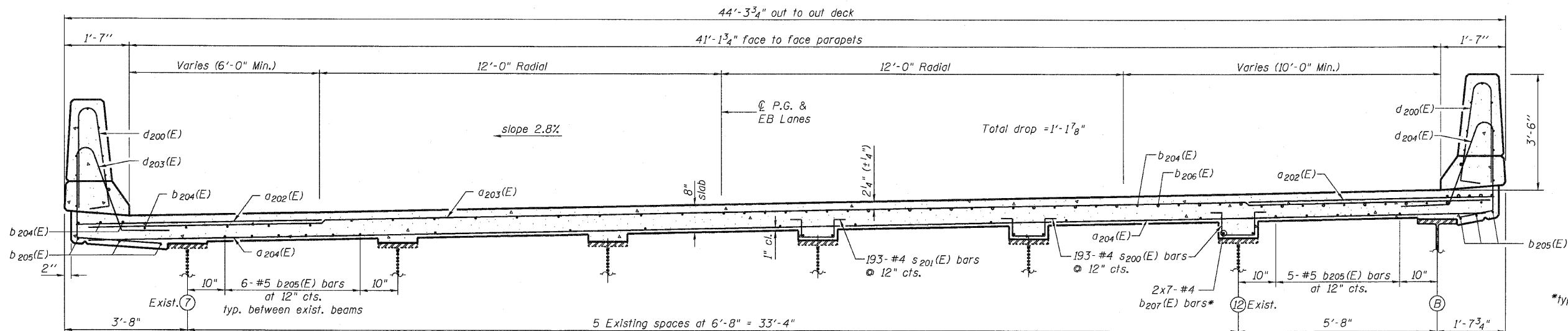


MIN. BAR LAP

#4 bars = 2'-0"
#5 bars = 2'-7"
#6 bars = 3'-10"

Notes:
See Sheet 17 of 55 for Section A-A
and Bill of Material.
Bars indicated thus 41 x 7- #5 etc. indicates
41 lines of bars with 7 lengths per line.
See Sheet 16 of 55 for parapet reinforcement.

PLAN



CROSS SECTION (Looking East)

SUPERSTRUCTURE STRUCTURE NO. 081-0018 (EB)

Coombe-Bloxdorf P.C.
- CIVIL ENGINEERS -
- STRUCTURAL ENGINEERS -
- LAND SURVEYORS -
Design Firm License No. 184-002703

PROJECT NO. 09033
SCALE
DATE 6/4/2010
DESIGN BY BD/MCB
DRAWN BY TFG/MMML
CHECKED BY MCB

SHEET NO. 14

55 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1 (VB) R	ROCK ISLAND	503	200
CONTRACT NO.				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

S-1-L(>30°)

11-1-09