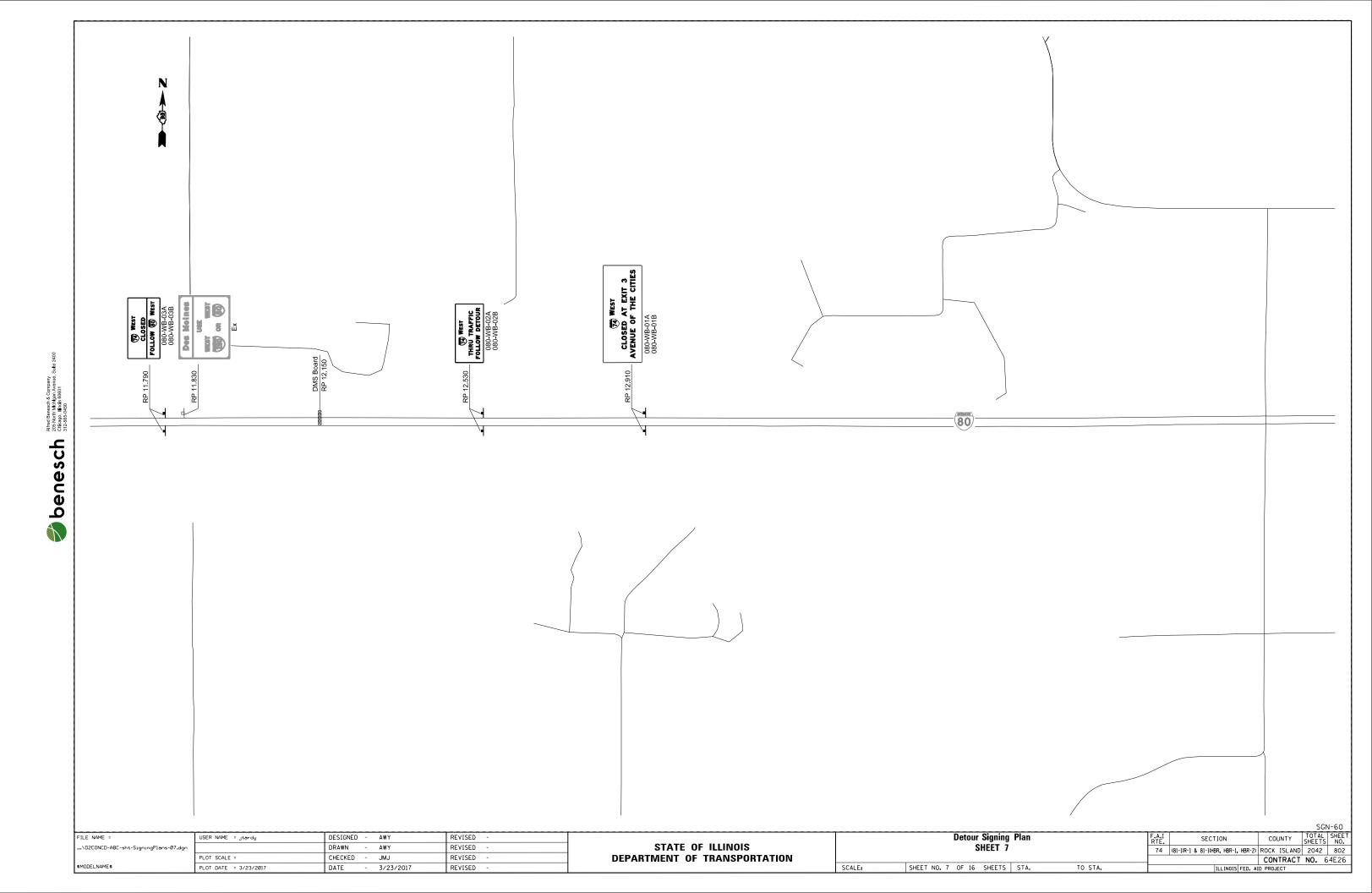
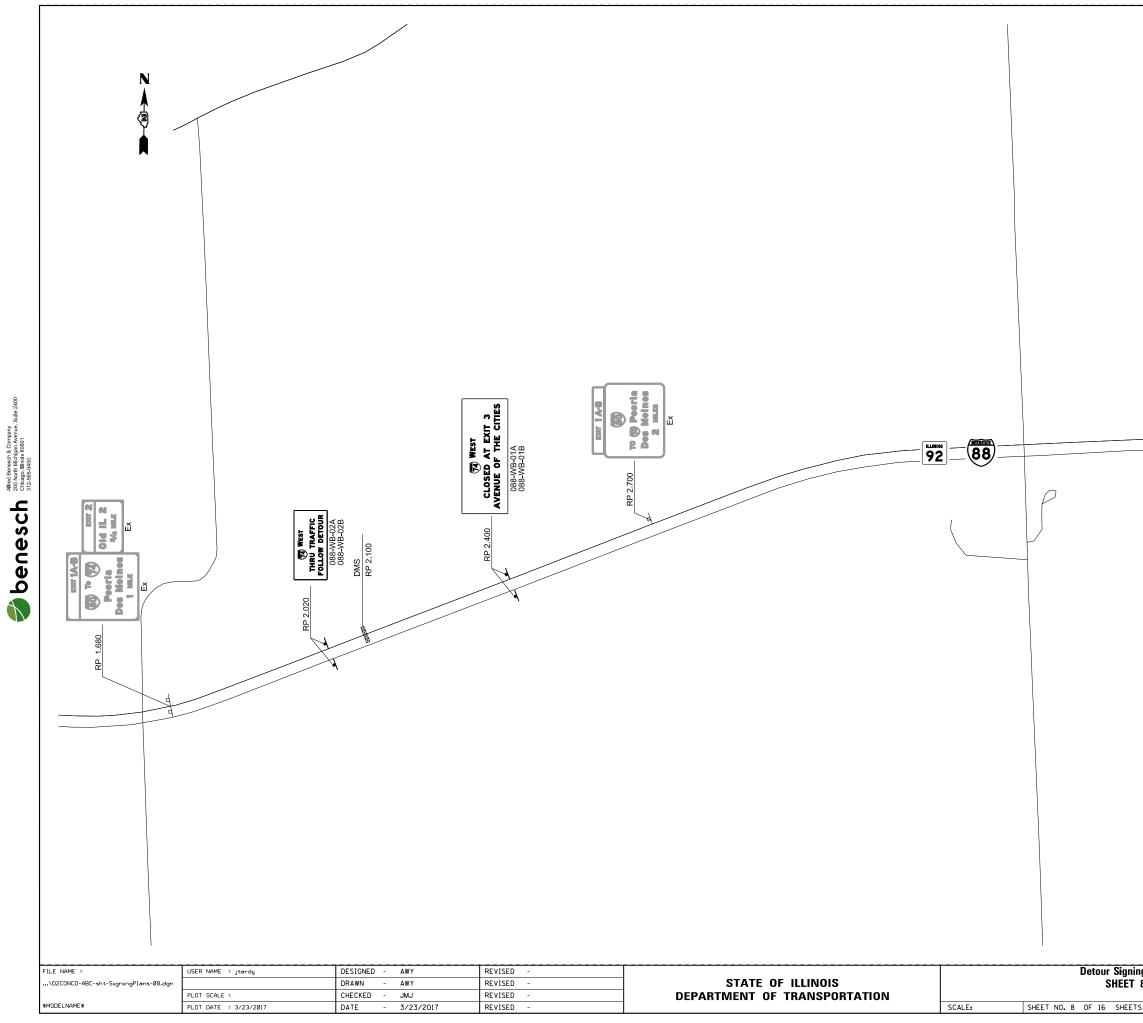


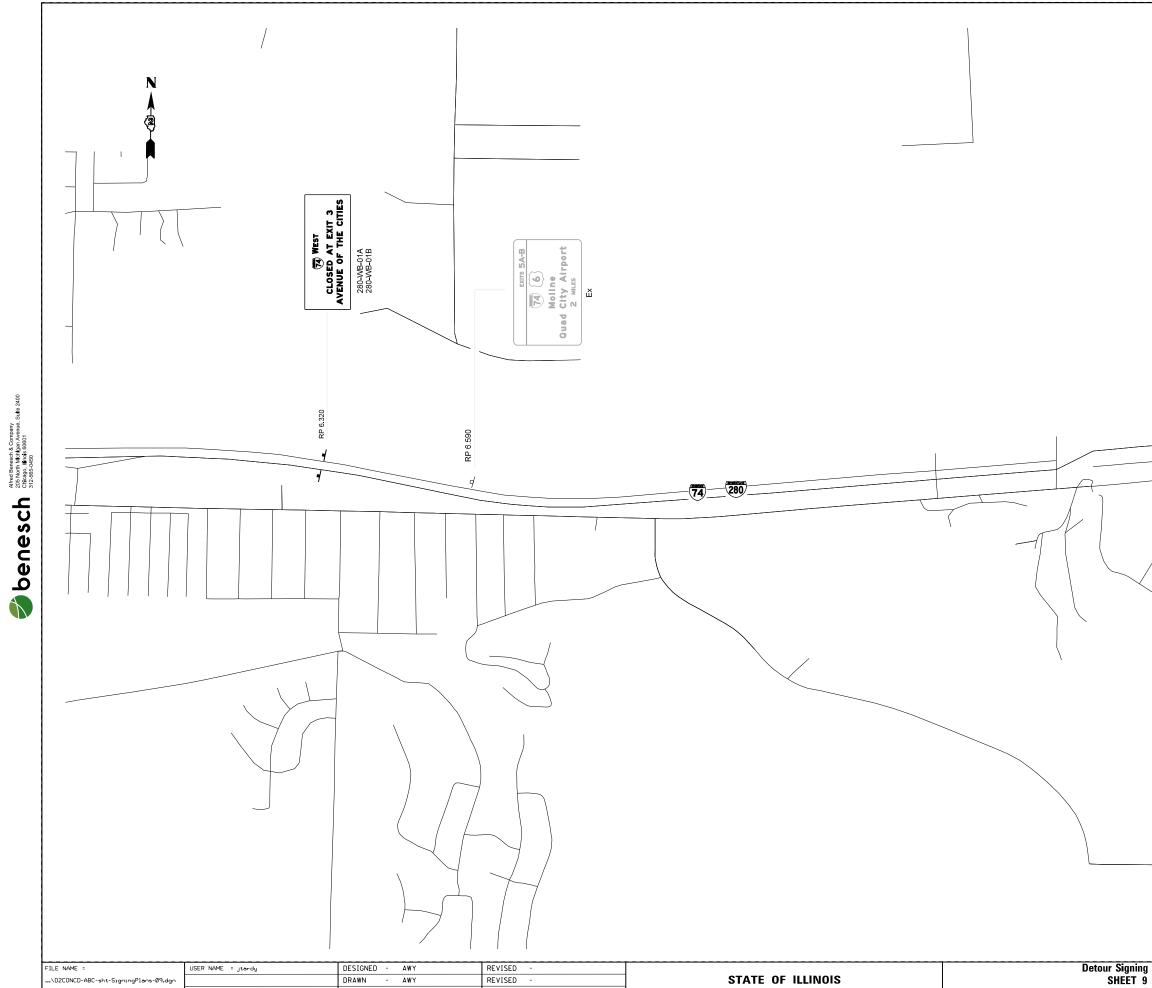
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\D2CONCD-ABC-sht-SigningPlans-06.dgn		DRAWN -	AWY	REVISED -	STATE OF ILLINOIS	1	SHEET 6
	PLOT SCALE =	CHECKED -	JMJ	REVISED -	DEPARTMENT OF TRANSPORTATION	1	
\$MODELNAME\$	PLOT DATE = 3/23/2017	DATE -	3/23/2017	REVISED -		SCALE:	SHEET NO. 6 OF 16 SHEETS

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ing Plan	SGN-59 F.A.I SECTION COUNTY TOTAL SHEET RTE. SECTION COUNTY NO.
6	74 (81-1)R-1 & 81-1(HBR, HBR-1, HBR-2) ROCK ISLAND 2042 801 CONTRACT NO. 64E26
TS STA. TO STA.	ILLINOIS FED. AID PROJECT



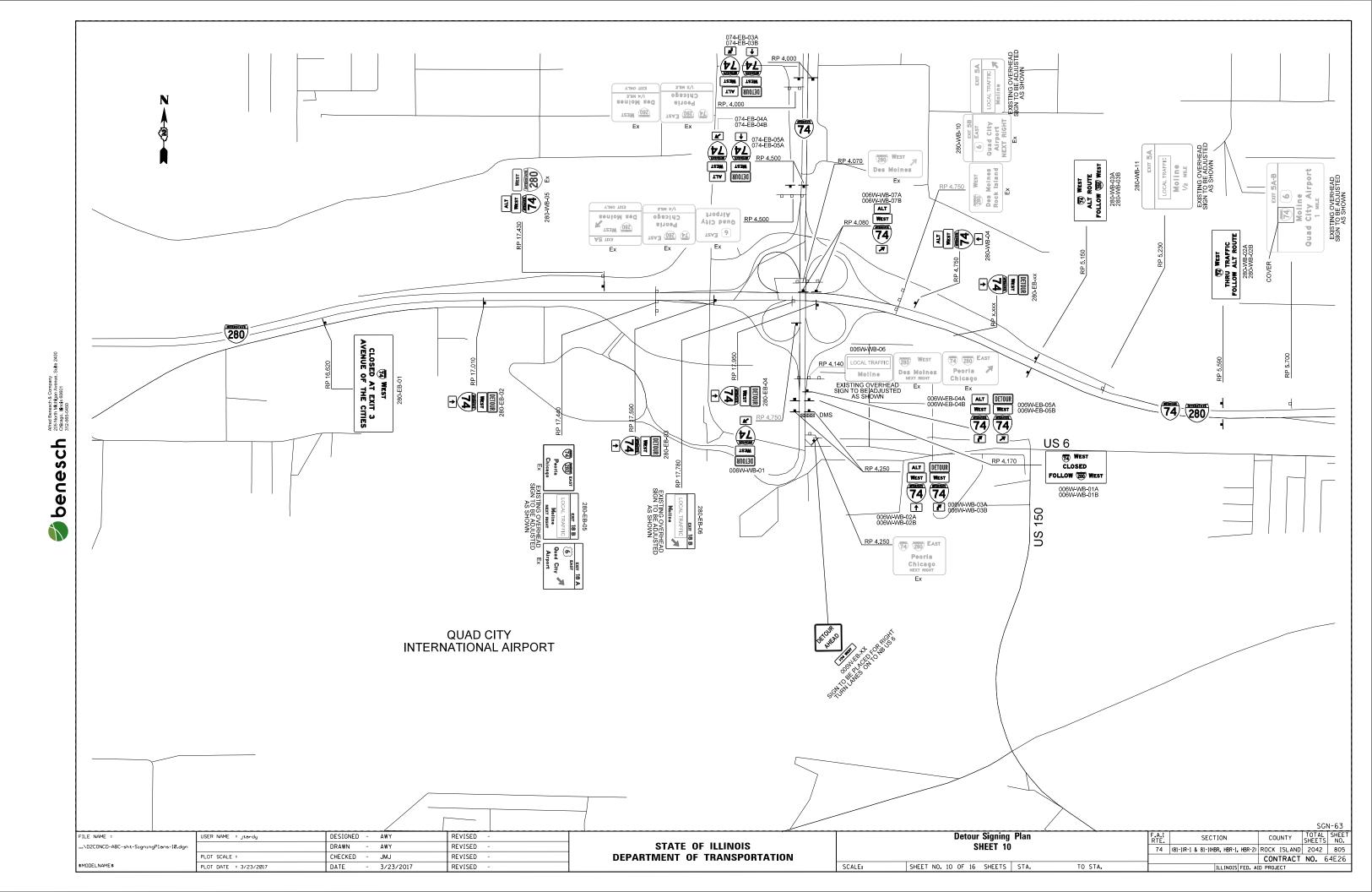


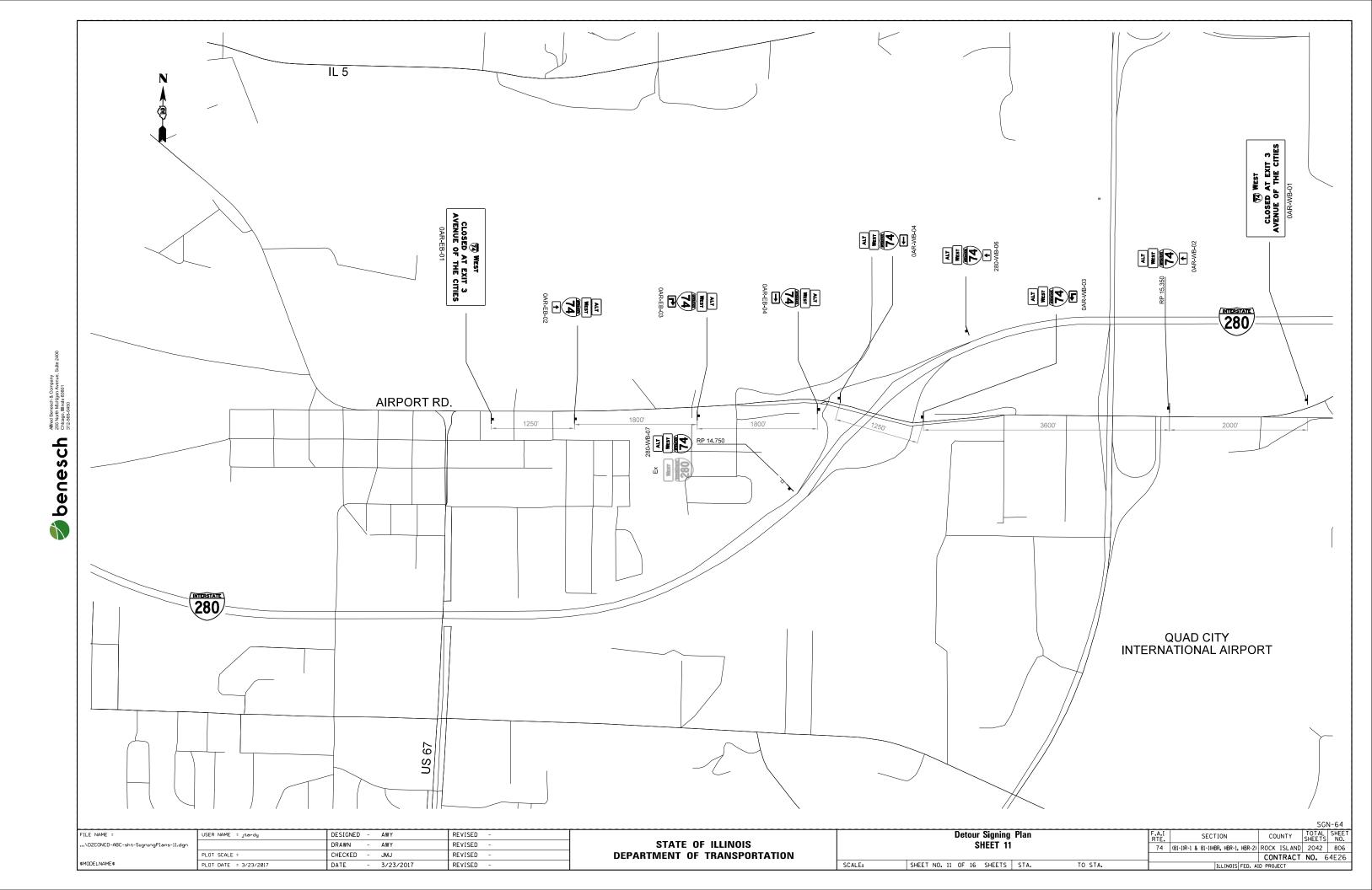
				/
	 			SGN-61
Plan	 F.A.I RTE. 74 (i	SECTION 81-1)R-1 & 81-1(HBR, HBR-1, HBR-2)	COUNTY ROCK ISLAND	TOTAL SHEET SHEETS NO. 2042 803
	1		L CONTRACT	NO. 64E26

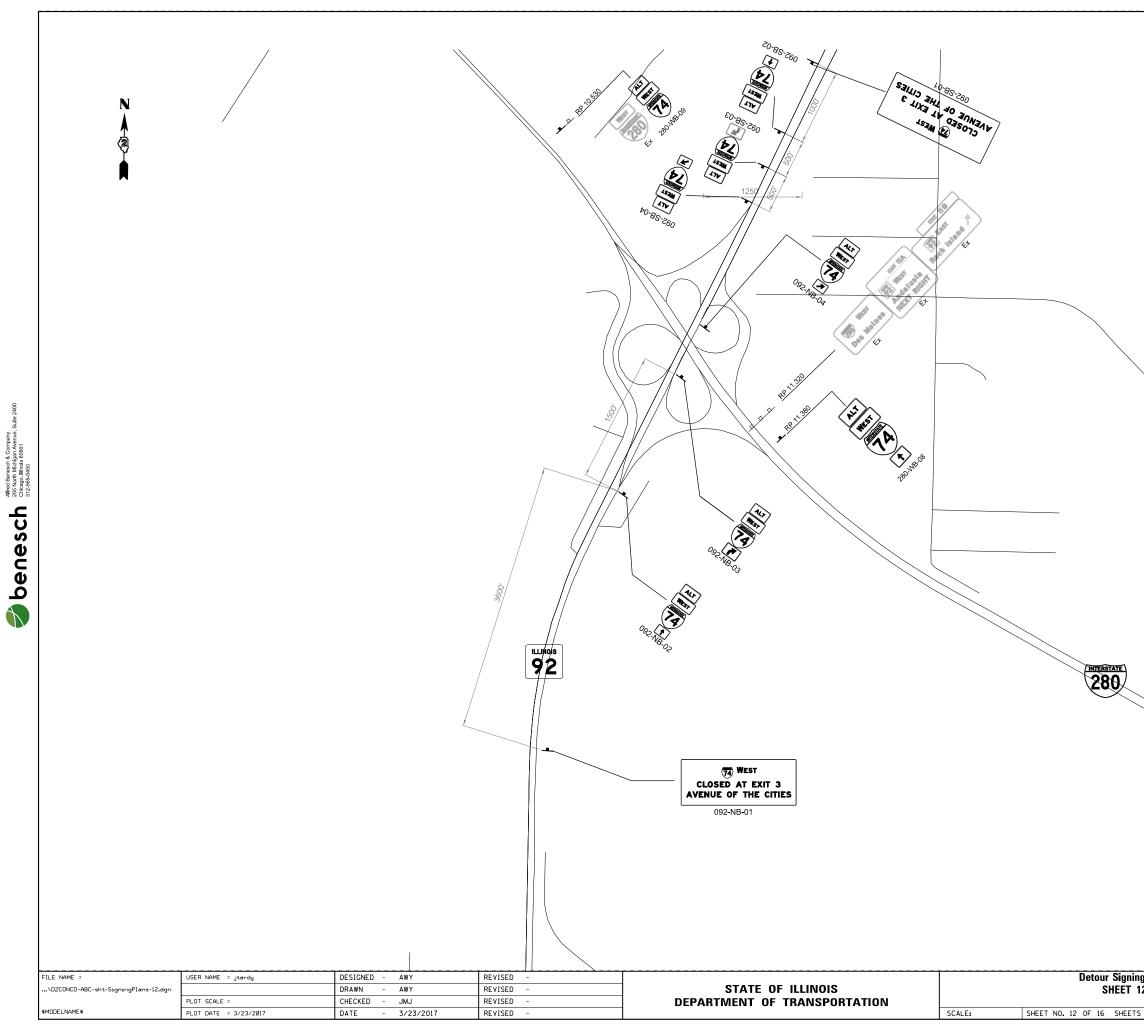


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\D2CONCD-ABC-sht-SigningPlans-09.dgn		DRAWN - AWY	REVISED -	STATE OF ILLINOIS		SHEET 9
	PLOT SCALE =	CHECKED - JMJ	REVISED -	DEPARTMENT OF TRANSPORTATION		
\$MODELNAME\$	PLOT DATE = 3/23/2017	DATE - 3/23/2017	REVISED -		SCALE:	SHEET NO. 9 OF 16 SHEETS S

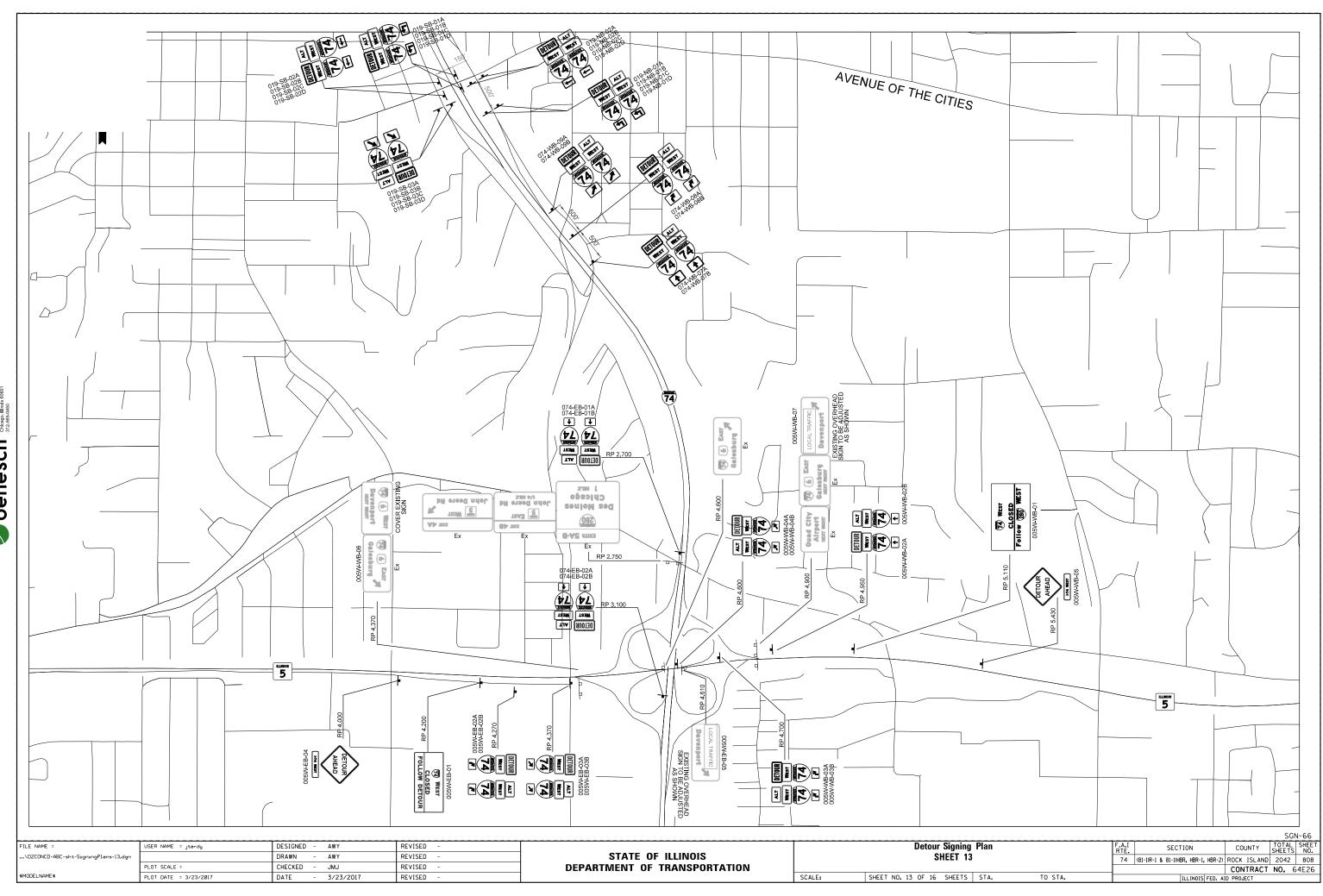
<b>g Plan</b> 9 5 sta.	TO STA.	F.A.I     SGN-62       RTE.     SECTION     COUNTY       74     (81-1)R-1 & 81-1(HBR, HBR-1, HBR-2)     ROCK ISLAND       2042     804       CONTRACT NO. 64E26       ILLINOIS FED. AID PROJECT







ng Plan 12		F.A.I SECTION COUNTY SHEET NO.
		74 (81-1)R-1 & 81-1(HBR, HBR-1, HBR-2) ROCK ISLAND 2042 807 CONTRACT NO. 64E26
S STA.	TO STA.	ILLINOIS FED. AID PROJECT

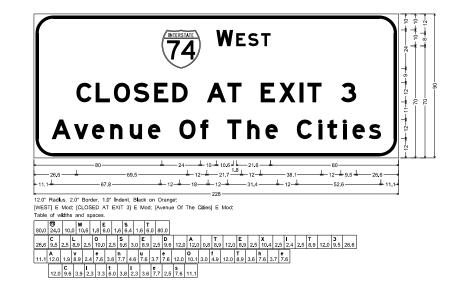


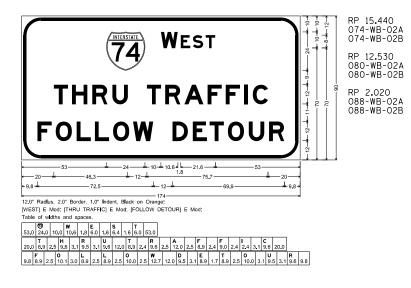
RP 16.620 280-EB-01 RP 15.900 074-WB-01A 074-WB-01B OAR-EB-01 OAR-WB-01 RP 12.910 080-WB-01A 080-WB-01B 092-NB-01 092-SB-01 RP 2.400 088-WB-01A 088-WB-01B RP 6.320 280-WB-01A 280-WB-01B

RP 15.180 074-WB-06A

074-WB-06B

RP 1.255 088-WB-03A 088-WB-03B

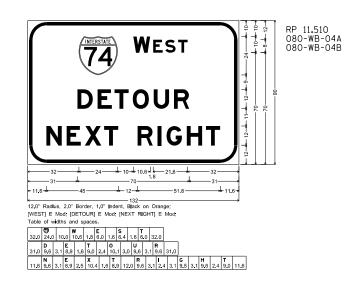




74 WEST **CLOSED** WEST FOLLOW 80 -522-4 - 69 6 -12-+ 12-+ 24-+ 10-+ 10.6+ 21.6-+ 10.8+ 10.8+ 12.0" Radius, 2.0" Border, 1.0" Indent, Black on Orange; [WEST] E Mod; [CLOSED] E Mod; [FOLLOW] E Mod; [WEST] E Mod; Table of widths and spaces. 
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\D2CONCD-ABC-sht-SigningPlans-14.dgn		DRAWN - AWY	REVISED -	STATE OF ILLINOIS				74 (81-1)R-1 & 81-1(HBR. HBR-1, HBR-2) ROCK ISLAND 2042 809
	PLOT SCALE =	CHECKED - JMJ	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT NO. 64E26
\$MODELNAME\$	PLOT DATE = 3/23/2017	DATE - 3/23/2017	REVISED -		SCALE:	SHEET NO. 14 OF 16 SHEETS STA.	TO STA.	ILLINOIS FED. AID PROJECT



- 75 7 -

70

k 0.0" Radlus, 0.0" Border, None on Orange; [LOCAL TRAFFIC] Black E Mod; Table of widths and spaces.

79

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RP 17.440 280-EB-05 RP 17.780 280-EB-06 RP 4.750 280-WB-10 RP 5.230 280-WB-11 RP 4.140 006W-WB-06 RP 4.370 005W-WB-06 RP 4.610 005W-EB-05 RP 4.900 005W-WB-07 
 RP 12.315
 RP 12.950

 006E-EB-01
 084-WB-01

 RP 13.890
 080-WB-03A

 006E-WB-01
 080-WB-03A

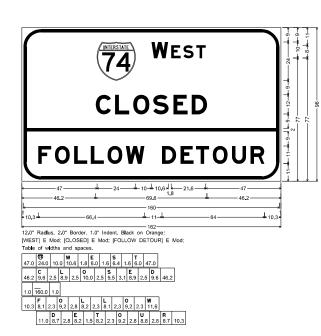
 224-EB-01
 RP 4.200

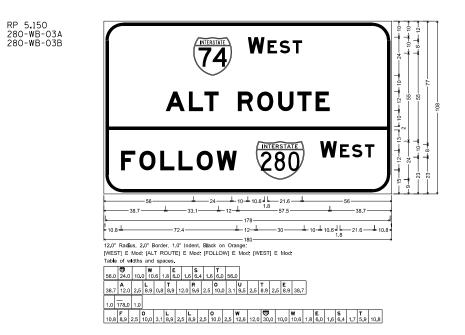
 RP 0.80
 005W-EB-01

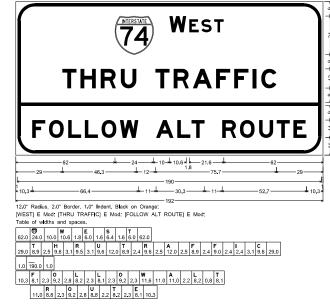
 224-WB-01
 RP 4.200

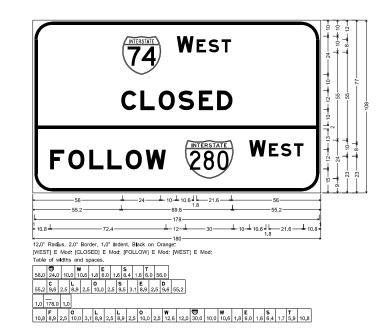
 RP 14.430
 005E-EB-01

 RP 12.190
 084-EB-01









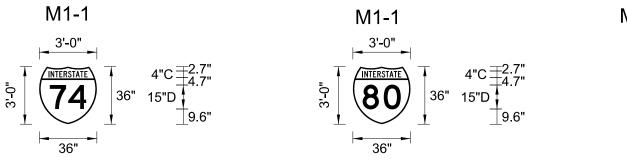
									SGN-68
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\D2CONCD-ABC-sht-SigningPlans-15.dgn		DRAWN - AWY	REVISED -	STATE OF ILLINOIS				74 (81-1)R-1 & 81-1(HBR, HBR-1, HBR-2)	ROCK ISLAND 2042 810
	PLOT SCALE =	CHECKED - JMJ	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT NO. 64E26
\$MODELNAME\$	PLOT DATE = 3/23/2017	DATE - 3/23/2017	REVISED -		SCALE:	SHEET NO. 15 OF 16 SHEETS STA.	TO STA.		ID PROJECT

benesch arten and harden and kompany 2010 Anter Antingian Arene, SI 2012 Antago Minde 2001



RP 5.590 280-WB-02A 280-WB-02B

RP 4.170 006W-WB-01A 006W-WB-01B RP 5.110 005W-WB-01



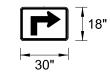


benesch <sup>206</sup> Steven Markel Benesch & Company 265 North Michigan Avenue, Suite 2400 312-565-640

M5-1

	18"
30"	

M5-1R



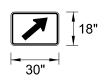


M6-1

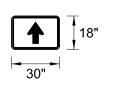
18" 30"

18" 30"

M6-2



M6-3



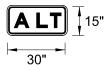
W20-2 (O) 4848



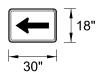
48" 12 I-74 WEST 30.2" 8.9" 8.9"

AND BLUE LEGEND BORDER.

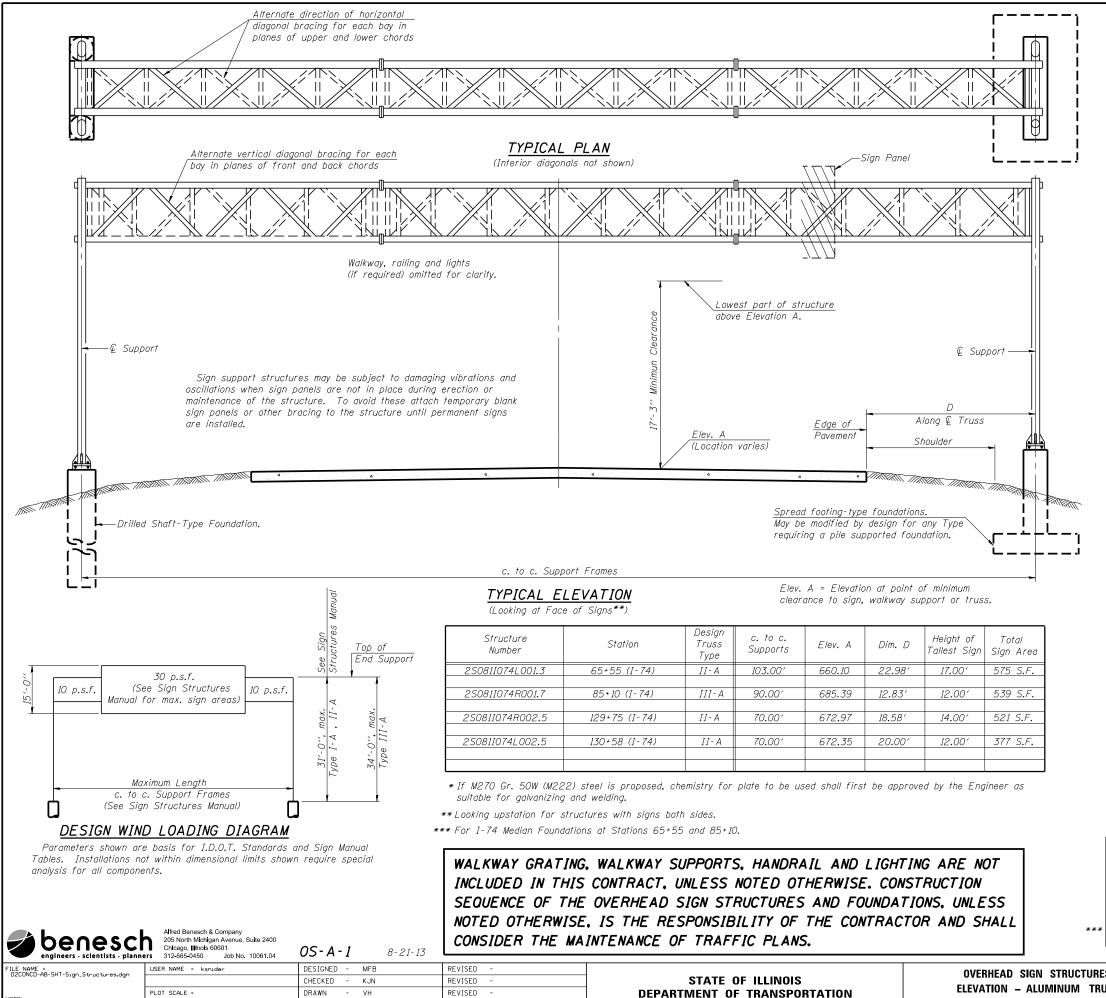
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\D2CONCD-ABC-sht-SigningPlans-16.dgn DRAWN - AWY REVISED - STATE OF ILLINOIS	(81-1)R-1 & 81-1(HBR- HBR-1- HBR-2) ROCK ISLAND 2042 811
PLOT SCALE = CHECKED - JMJ REVISED - DEPARTMENT OF TRANSPORTATION	CONTRACT NO. 64E26
\$MODELNAME\$         DLT DATE = 3/23/2017         DATE         - 3/23/2017         REVISED         STA.         TO STA.	ILLINOIS FED. AID PROJECT



## M6-1L



# NOTE: AUXILIARY ARROWS SHALL BE WITH WHITE BACKGROUND



PLOT DATE = 3/23/2017

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REVISED

SHEET NO. 1 OF

### GENERAL NOTES

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

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

LOADING: 90 M.P.H. WIND VELOCITY

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

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

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

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

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

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO MI64 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

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

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

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

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

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

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

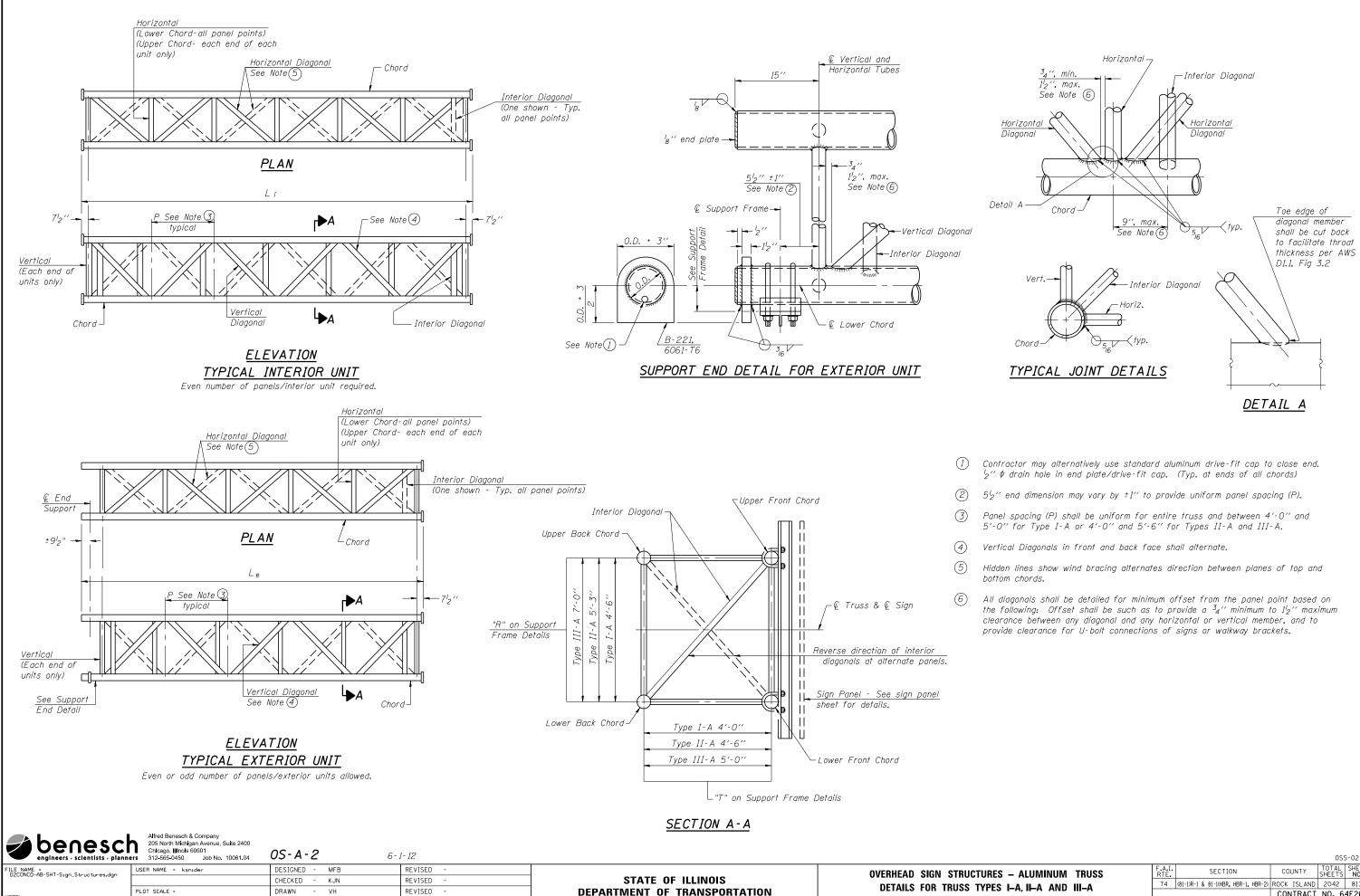
### TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	243
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	90
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	
CONCRETE FOUNDATIONS	Cu. Yds	•
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds	. 149
STRUCTURE EXCAVATION	Cu. Yds	28

		F.A.I. RTE. SECTION				COUNTY		TOTAL	
ISS & STEEL SUPPORTS	74	(81-1)R-1	& 81-1(H	BR. HBR-1.	HBR-2)	ROCK	ISLAND	2042	812
133 & SIEEL SUFFUNIS						CON	NTRACT	NO. 6	64E26
30 SHEETS	FED. RC	DAD DIST.	NO.	ILLINOIS	FED. AI	D PROJ	JECT		

8:52:02

055-01



SHEET NO. 2 OF 30 SHEETS

10DEL: 0SS-2

PLOT DATE = 3/23/2017

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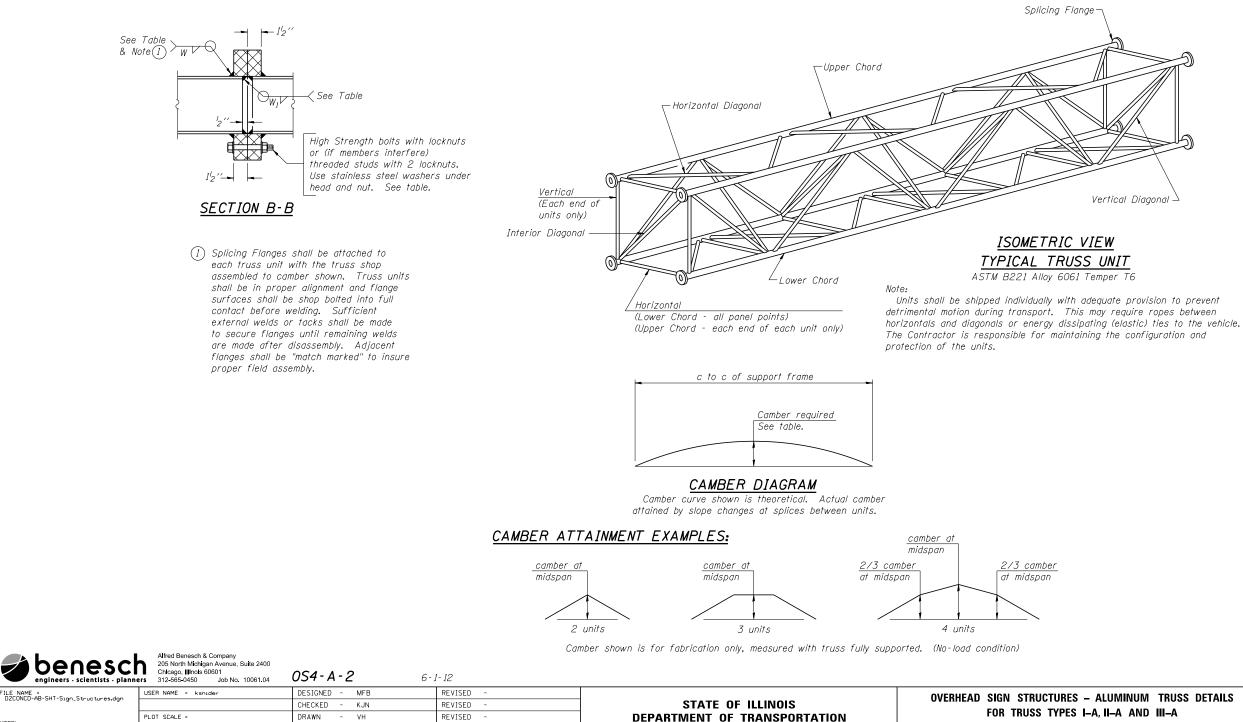
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			055	S-02	2
SECTION	CO	UNTY	TOTAL SHEETS	SHEET NO.	/23/2017
31-1(HBR, HBR-1, HBR-2)	ROCK	ISLAND	2042	813	33
	CON	ITRACT	NO. 6	4E26	12

							<u></u>	RUSS L											
Structure		Design Truss	Exte	Exterior Units (2)		Interior Unit			& Lower Verticals; Horizontals; Vertical, C Shord Horizontal, and Interior Diagonals		Camber at		Splicing Fl		Flange				
Number	Station	Type	No. Panels	Unit	Panel	No.	No. Panels	Unit	Panel				Interior Diagonais	u Midspan	Bolt		Weld	Sizes	
		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	per Unit	Lgth.(Le )			per Unit	Lgth,(L; )	Lgth.(P)	0.D.	Wall	O.D. Wall			No./Splice	Dia <b>.</b>	W	$W_{I}$	_
2S0811074L001.3	65+55 (I-74)	II-A	7	36′-8³4″	4′-11 <sup>3</sup> 4″	1	6	31′-1′ <sub>2</sub> ″	4′-11 <sup>3</sup> 4″	6'2"	<sup>5</sup> 16 "	3"	<sup>5</sup> /6 "	34"	6	1"	3 <sub>8</sub> "	4"	
2S0811074R001.7	85+10 (I-74)	III-A	5	28'-11'2"	5′-5″	1	6	33′-9″	5′-5″	7"	<sup>5</sup> 16 "	34"	<sup>5</sup> /6 "	134"	6	1"	716 "	<sup>5</sup> /6 "	
2S0811074R002.5	129+75 (I-74)	II-A	7	35′-8′2″	4'-10"					5′2″	<sup>5</sup> /6 "	3"	<sup>5</sup> /6 "	1 <sup>3</sup> 8"	6	<sup>7</sup> 8"	3 <sub>8</sub> "	4"	
																			_
2S081I074L002.5	130+58 (I-74)	II-A	7	35′-8′2″	4′-10″					5'2"	<sup>5</sup> /6 "	3"	<sup>5</sup> 16 "	1 <sup>3</sup> 8"	6	<sup>7</sup> 8"	3 <sub>8</sub> "	4"	
																			_

SHEET NO. 3 OF 3

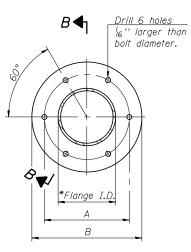


PLOT DATE = 3/23/2017

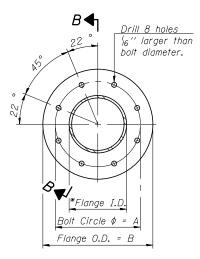
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REVISED

A	В
11"	14′2″
11′2″	15"
9′4″	12'4"
9′4″	12'4"



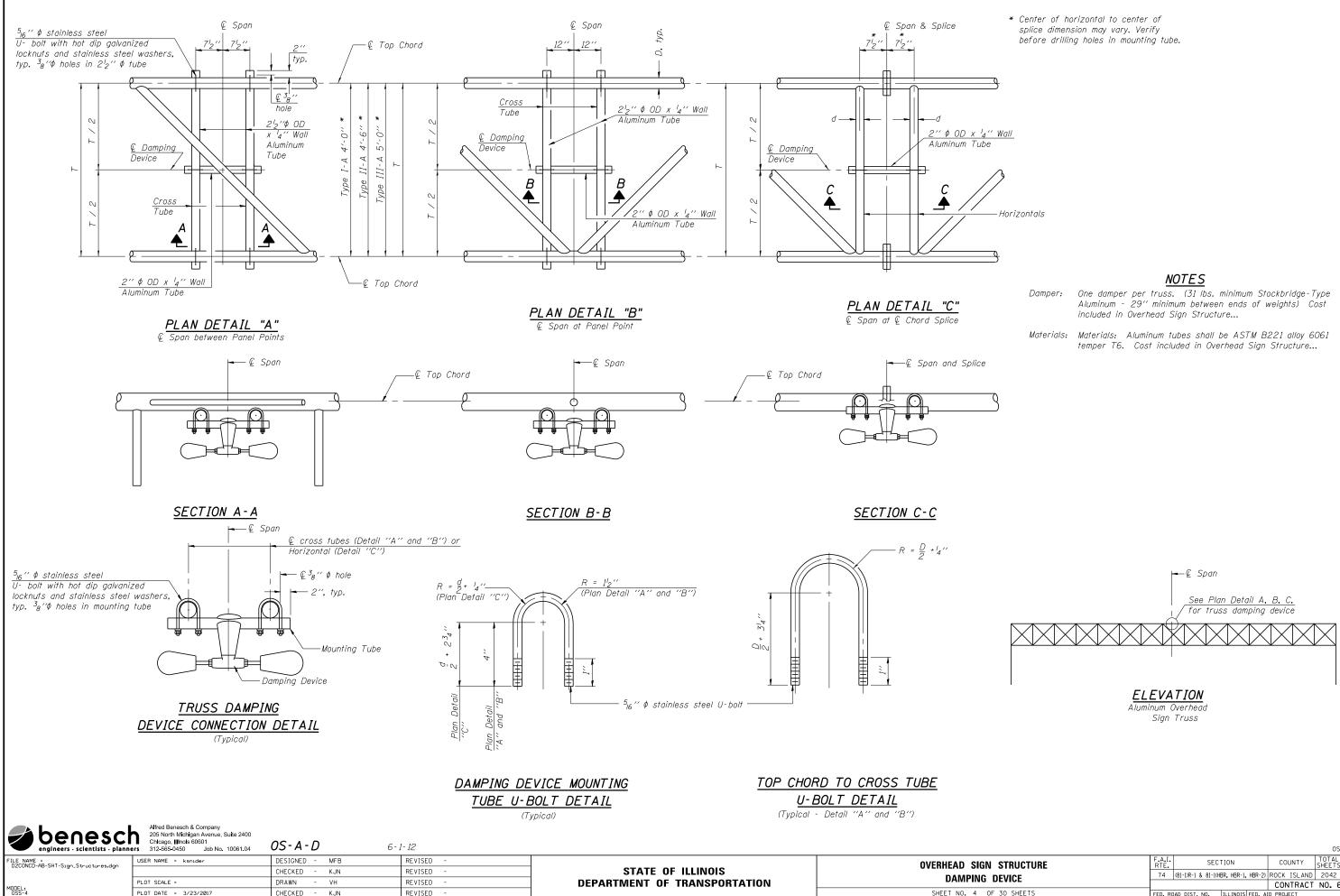
TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A SPLICING FLANGES

ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651 \*To fit O.D. of Chord with maximum gap of  $l_{16}^{\prime\prime}$ . Sign\_Str

					055	S-03	
ALUMINUM TRUSS DETAILS	F.A.I. RTE.	SEC	TION	COUNTY	TOTAL SHEETS	SHEET NO.	1001
, II-A AND III-A	74	(81-1)R-1 & 81-1(H	BR, HBR-1, HBR-2)	ROCK ISLAND	2042	814	ć
				CONTRACT	NO. 6	4E26	
30 SHEETS	FED. RC	DAD DIST. NO.	ILLINOIS FED. A	ID PROJECT			ſ



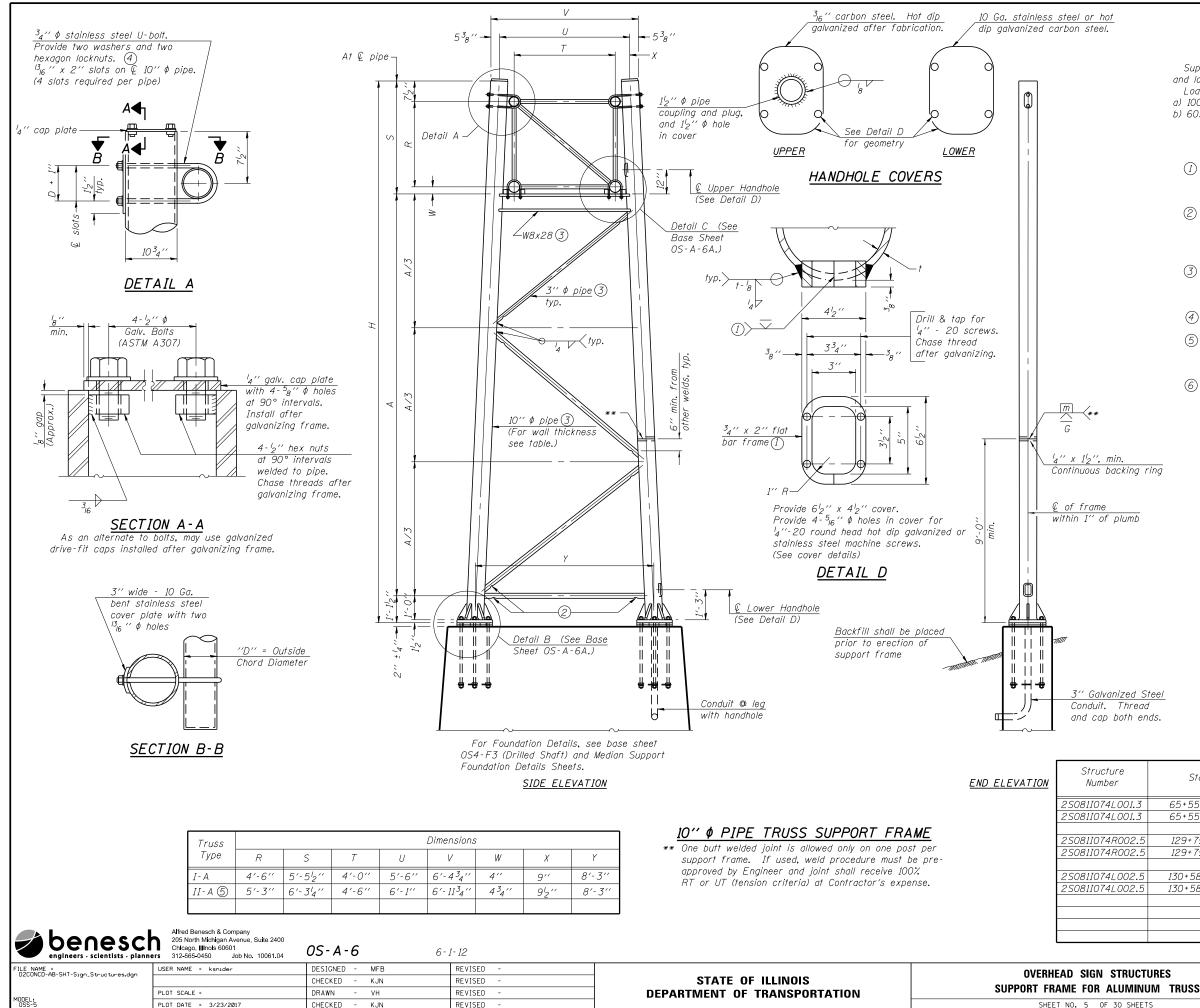
SHEET NO. 4 OF

MODEL: OSS-4

Damper:	One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure
Materials:	Materials: Aluminum tubes shall be ASTM B221 alloy 6061

						055	S-04	~
STRUCTURE	F.A.I. RTE.	SECT	ION	COI	UNTY	TOTAL SHEETS	SHEET NO.	1201
DEVICE	74	(81-1)R-1 & 81-1(HE	BR, HBR-1, HBR-2)	ROCK	ISLAND	2042	815	ć
				CON	ITRACT	NO. 6	4E26	$\leq$
30 SHEETS	FED. RC	AD DIST. NO.	ILLINOIS FED. A	D PROJ	ECT			ć

AΜ



Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.

Load combinations checked include deadload plus: a) 100%, wind normal to sign, 20%, parallel to sign b) 60%, wind normal to sign, 30%, parallel to sign

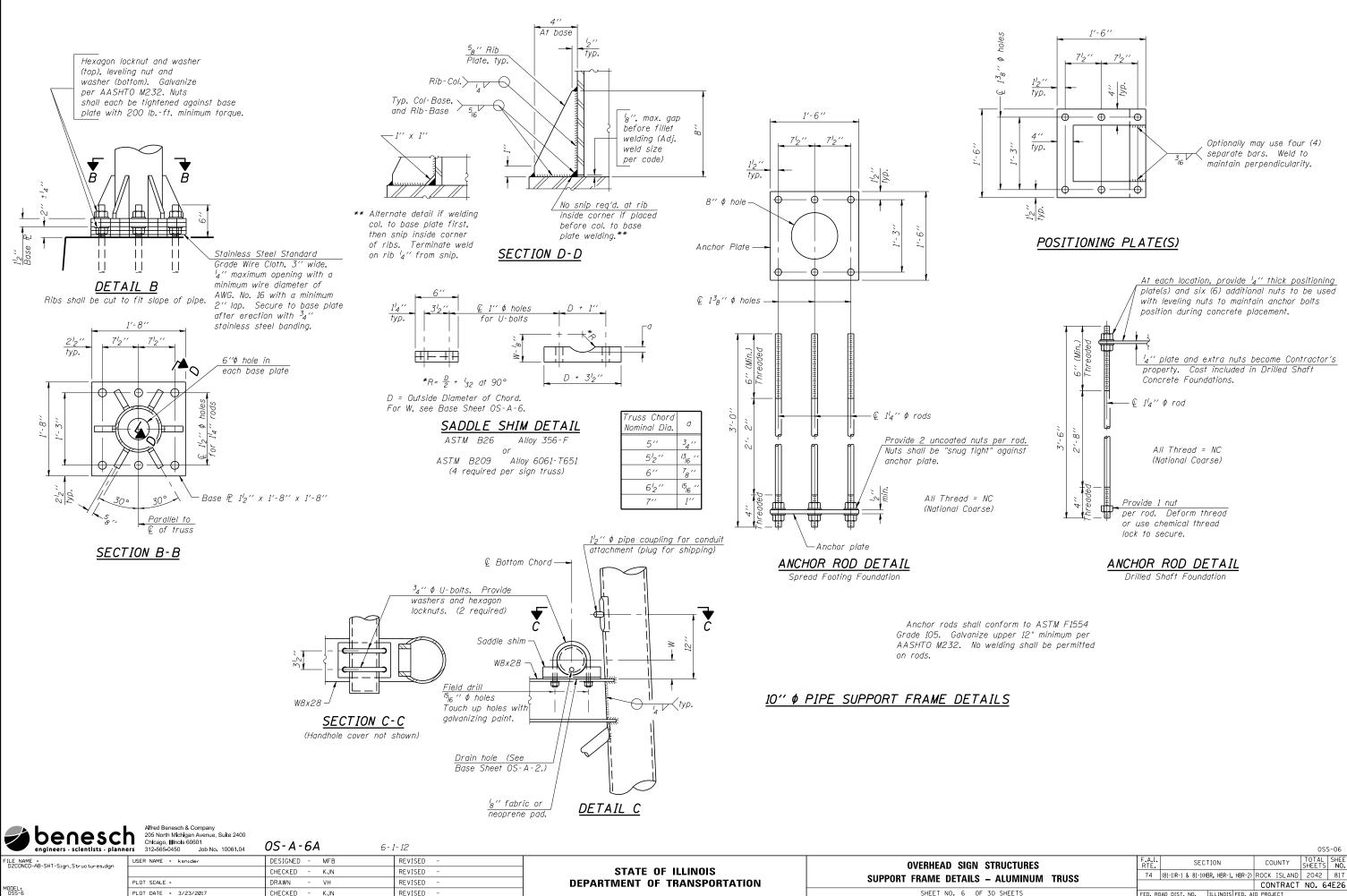
- (1) In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 µin or less.
- 2 Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- (3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- (4) See General Notes for fasteners.
- (5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- 6 "H" based on 15'-O'' or actual sign height, whichever is greater.

HANDHOLES AND CONDUIT IN FOUNDATION ARE INCLUDED IN THIS CONTRACT. UNLESS SHOWN OTHERWISE ON THE MEDIAN SUPPORT FOUNDATION DETAILS SHEETS.

3'' Galvanized Steel

ure	Station	Su	opor	7	Truss	Pipe V	Vall	Н		
er		Left	eft Right		Туре	Thickn	ess	6	A	
L001.3	65+55 (I-74)	X			II-A	0.36	5″	21.15'	13.7	767
L001 <b>.</b> 3	65+55 (I-74)			Χ	II-A	0.36	5″	29.77	' 22.	37′
R002.5	129+75 (I-74)	X	-		II-A	0.36	F."	24.85	17.4	15/
R002.5	129+75 (I-74)	~		X	II-A II-A	0.36	-	25.54		
L002.5	130+58 (I-74)	X	-		II-A	0.36	5"	24.96	/ 17.5	567
L002.5	130+58 (I-74)			Χ	II-A	0.36	5″	25.74	18.3	5 <i>1</i>
										_
	•								05	S-05
STRUCT	URES	F	.A.I. RTE.		SECTION		CO	UNTY	TOTAL SHEETS	SHEE NO.
LUMINU	JM TRUSS		74	(81-1)R-	1 & 81-1(HBR, H	BR-1, HBR-2)	ROCK	ISLAND	2042	816

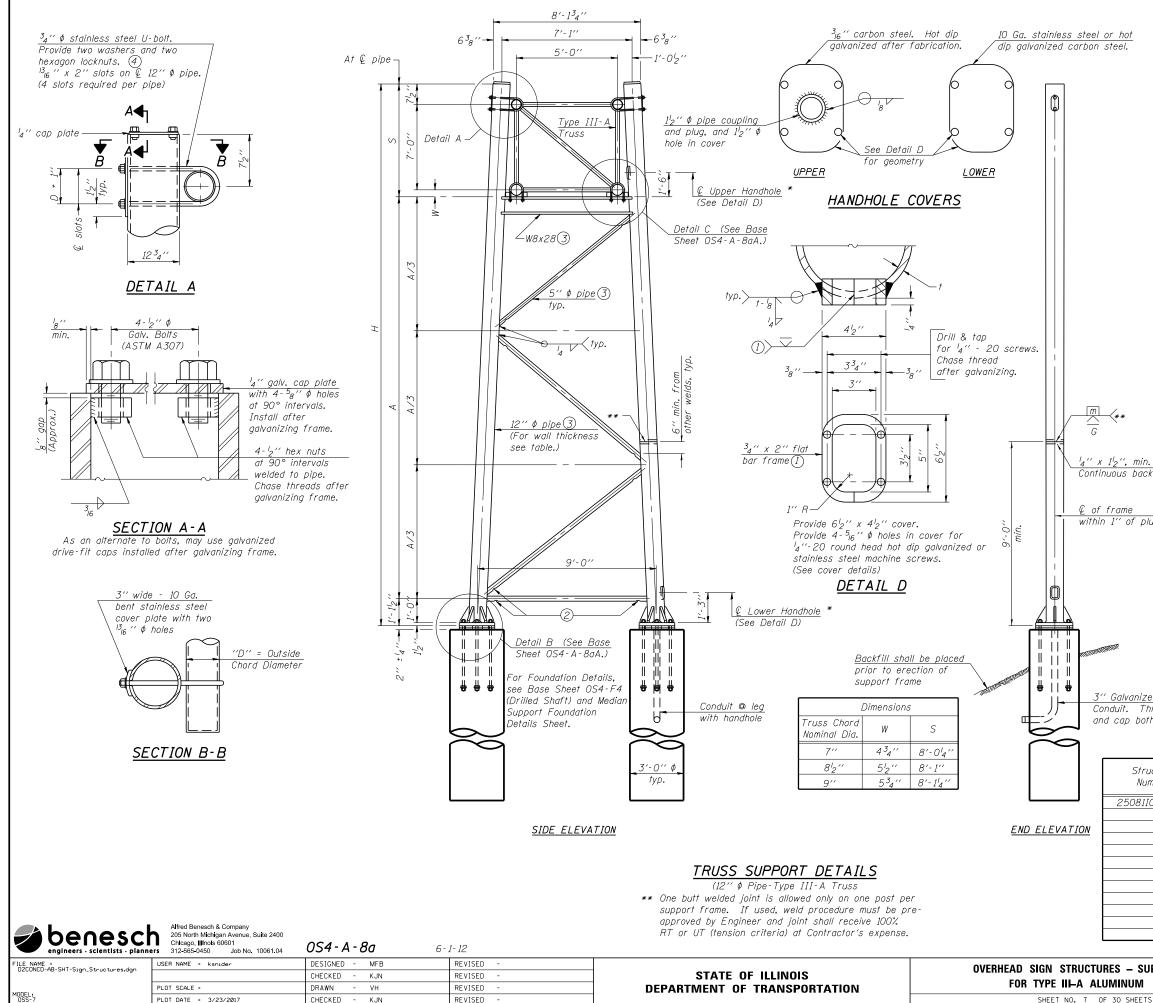
CONTRACT NO. 64E26



SHEET NO. 6 OF

10DEL: 0SS-6

							055	5-06	
STRUCTURES	F.A.I. RTE.	SEC	TION		CO	UNTY	TOTAL SHEETS	SHEET NO.	/201
– ALUMINUM TRUSS	74	(81-1)R-1 & 81-1(	HBR, HBR-1, H	HBR-2)	ROCK	ISLAND	2042	817	က္လဲ
- ALOMINUM THOSS						CONTRACT		4E26	2/2
30 SHEETS	FED. RC	DAD DIST. NO.	ILLINOIS F	ED. AI	D PRO.	ECT			10



hot	
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Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.

- Load combinations checked include deadload plus: a) 100% wind normal to sign, 20% parallel to sign b) 60% wind normal to sign, 30% parallel to sign
- (1) In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 µin or less.
- (2) Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- (3) Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- (4) See General Notes for fasteners.
- (5) Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- (6) "H" based on 15'-0'' or actual sign height, whichever is greater.
- \* For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.

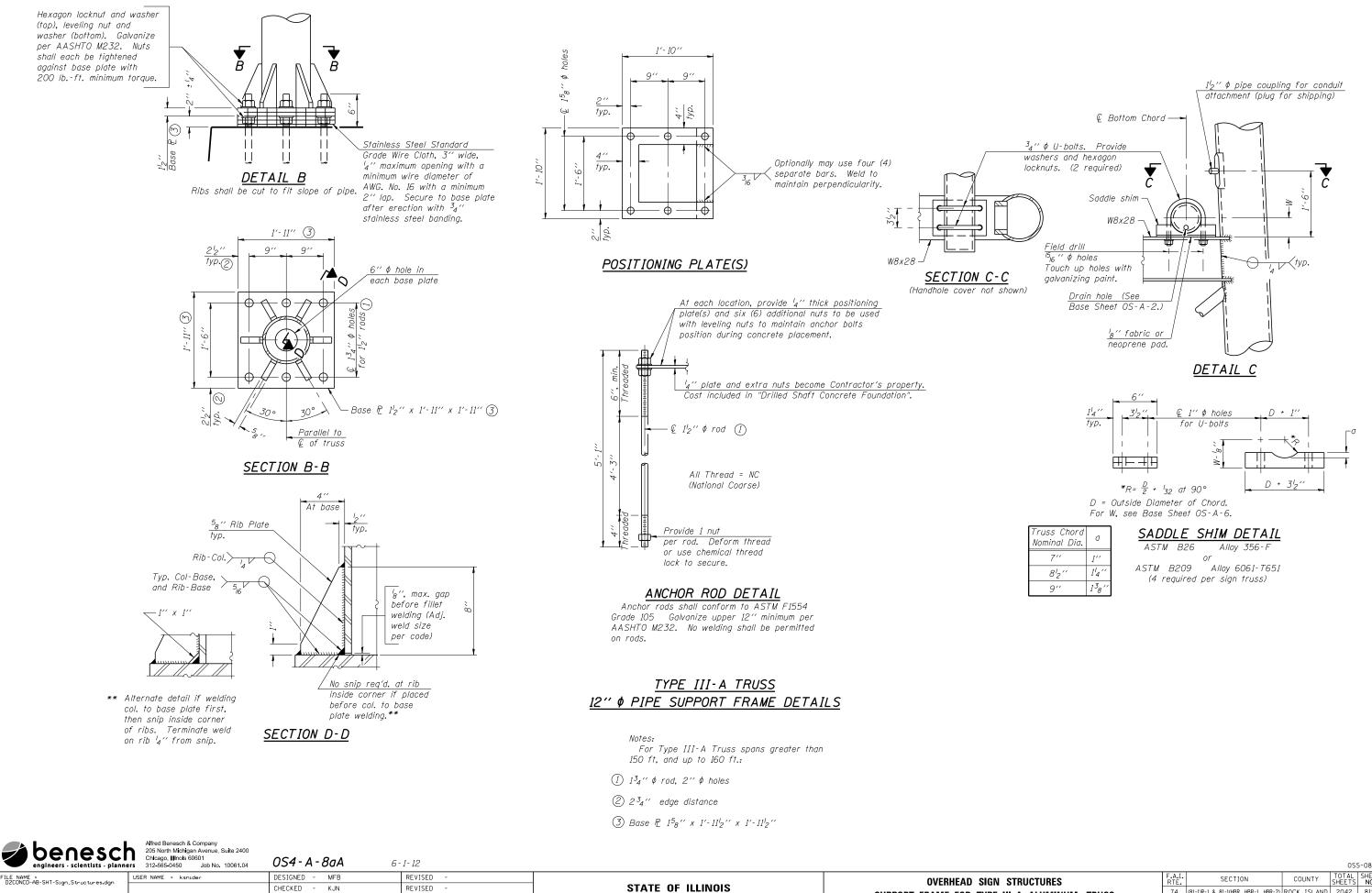
Continuous backing ring

within 1" of plumb

HANDHOLES AND CONDUIT IN FOUNDATION ARE INCLUDED IN THIS CONTRACT. UNLESS SHOWN OTHERWISE ON THE MEDIAN SUPPORT FOUNDATION DETAILS SHEET.

3'' Galvanized Steel Conduit. Thread and cap both ends.

Structure	Ctation		Sup,	oort	Pipe Wa	//	Н		7
Number	Station	L	.eft	Right	Thicknes	55	6	A	
250811074R001.7	85+10 (I-74)	)	Χ	Х	0.33"		26.66′	17.52	/
		_							_
									-
									_
						_			-
		_							_
									<b></b> 5-07
		F.A.I.	1	CECTI	0.1	0		TOTAL	SHEET
ES – SUPPORT FRAM	: -	RTE.		SECTI				SHEETS	NO.
MINUM TRUSS	-	74	(81-1)R-	1 & 81-1(HBR	, HBR-1, HBR-2)		NTRACT		818 4F 26
70.0.5570	L					0	MINACI	110. 0	



PLOT SCALE =

PLOT DATE = 3/23/2017

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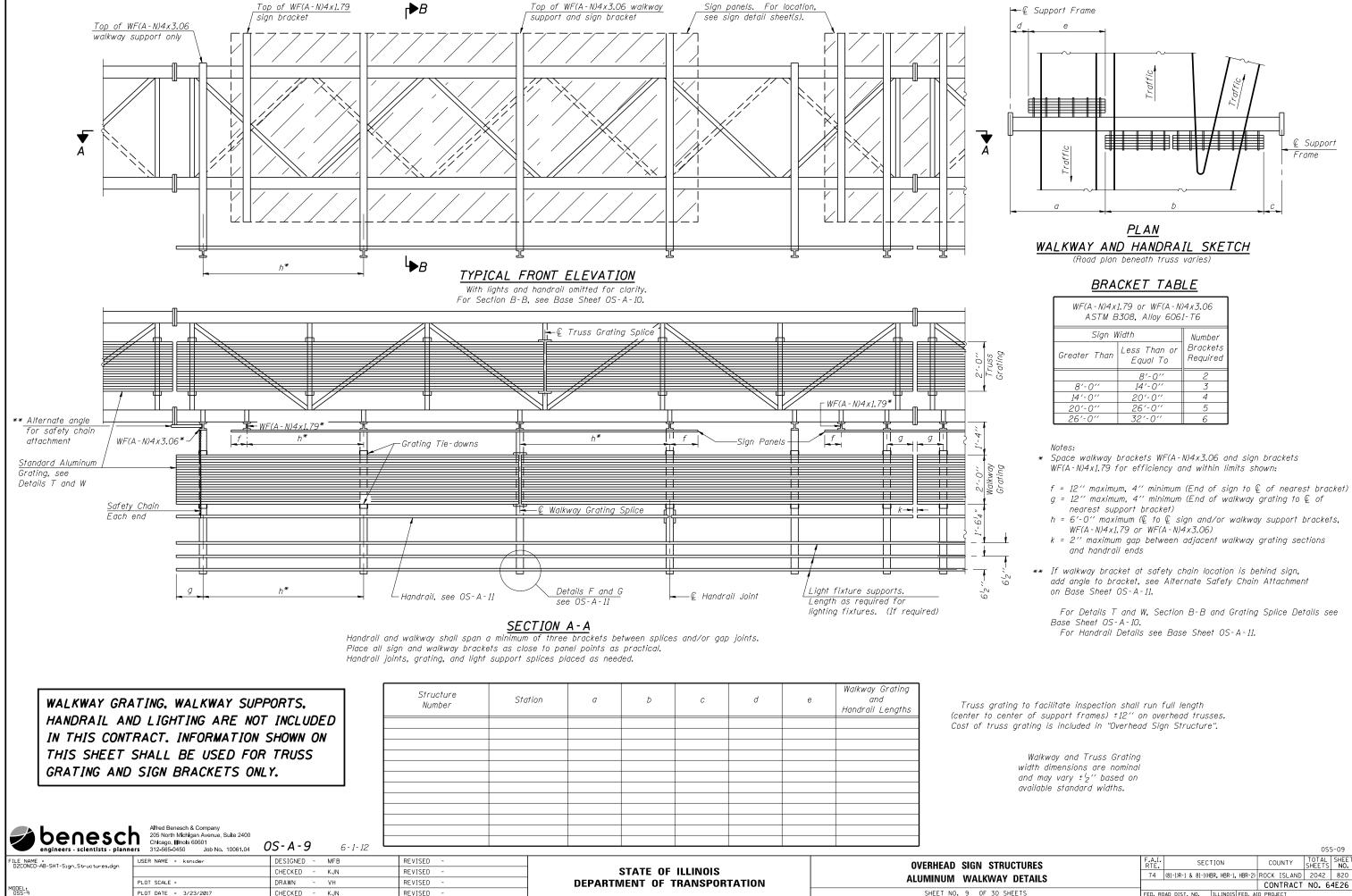
CHECKED - KJN

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REVISED

REVISED

				0SS-08	
STRUCTURES	F.A.I. RTE	SECTION	COUNTY	TOTAL SHEE SHEETS NO.	201
I–A ALUMINUM TRUSS	74	(81-1)R-1 & 81-1(HBR, HBR-1, HBR-2)	ROCK ISLAND	2042 819	- ĉ
FA ALOWINOW THO35			CONTRACT	NO. 64E26	
30 SHEETS	FED. RC	AD DIST. NO. ILLINOIS FED. A	ID PROJECT		- 0
					_

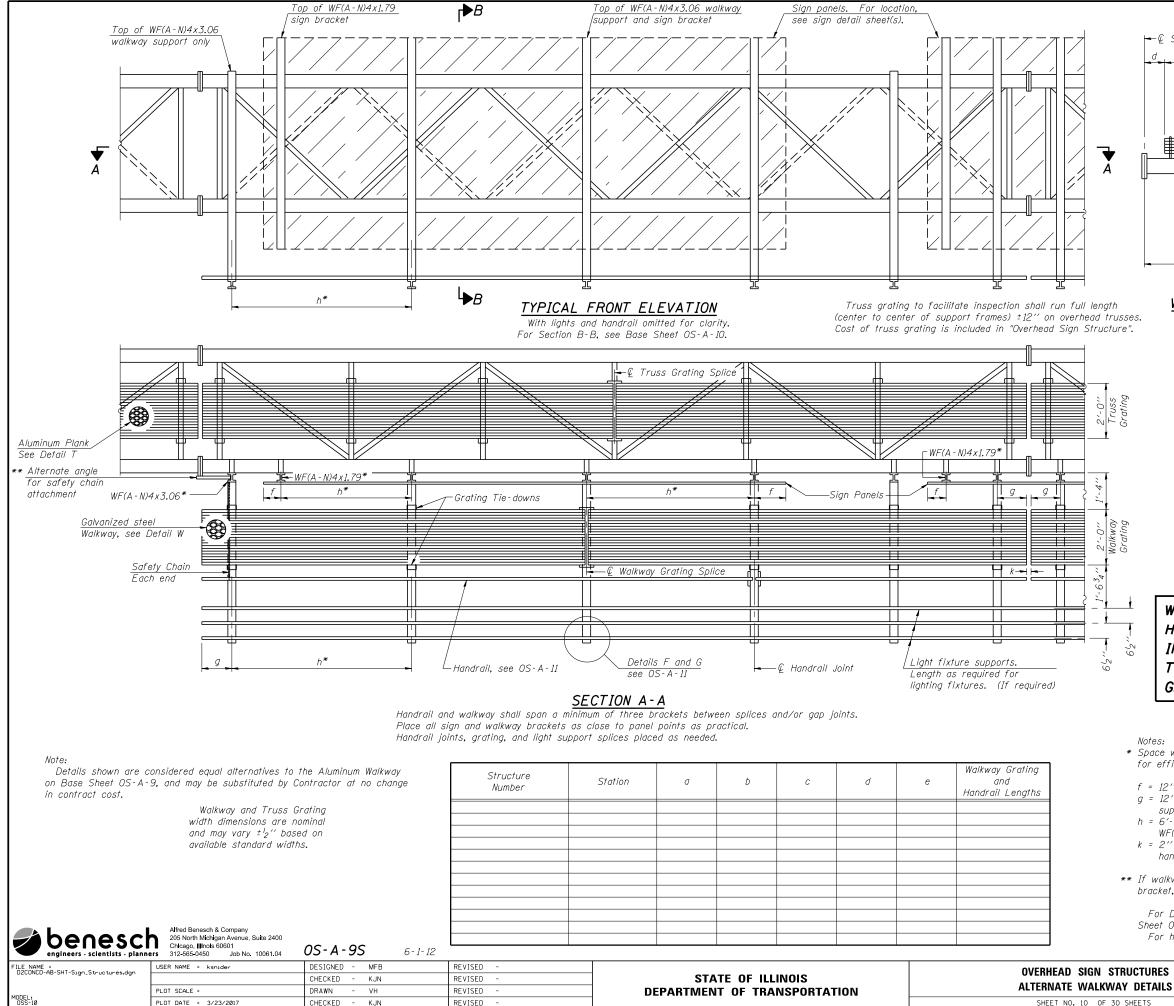


KJN

WF(A - N)4x1.79 or WF(A - N)4x3.06 ASTM B308, Alloy 6061-T6							
Sign V	Vidth	Number					
Greater Than	Less Than or Equal To	Brackets Required					
	8'-0''	2					
8'-0''	14'-0''	3					
14'-0''	20'-0''	4					
20'-0''	26'-0''	5					
26'-0''	32'-0''	6					

- f = 12" maximum, 4" minimum (End of sign to € of nearest bracket)

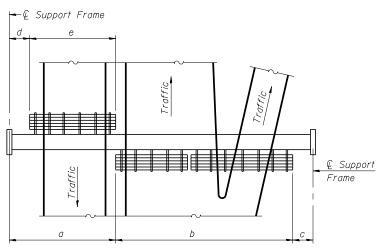
	055	S-09	2
	TOTAL SHEETS	SHEET NO.	/201
JD	2042	820	m



REVISED

SHEET NO. 10 OF 30 SHEETS

10DEL: 0SS-10



PLAN WALKWAY AND HANDRAIL SKETCH (Road plan beneath truss varies)

5			

BRACKET TABLE WE(A - N)/x179 or WE(A - N)/x306

ASTM B308, Alloy 6061-T6							
Sign W	lidth	Number					
Greater Than	Brackets Required						
	8'-0''	2					
8'-0''	14′-0′′	3					
14′-0′′	20'-0''	4					
20'-0''	26'-0''	5					
26'-0''	32'-0''	6					

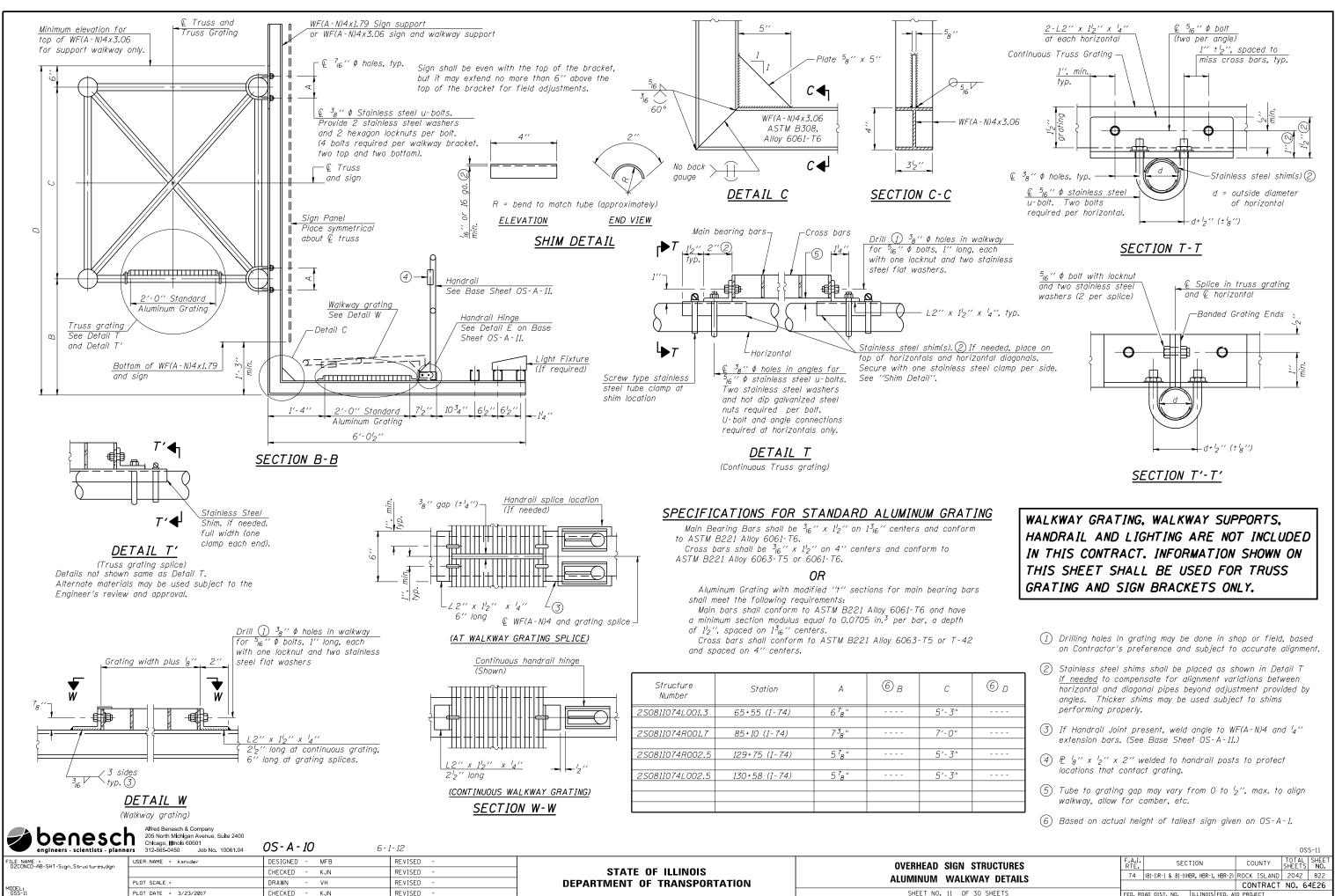
WALKWAY GRATING. WALKWAY SUPPORTS. HANDRAIL AND LIGHTING ARE NOT INCLUDED IN THIS CONTRACT. INFORMATION SHOWN ON THIS SHEET SHALL BE USED FOR TRUSS GRATING AND SIGN BRACKETS ONLY.

Notes:

- \* Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and within limits shown:
- $f = 12^{\prime\prime}$  maximum,  $4^{\prime\prime}$  minimum (End of sign to  $\mathcal{G}$  of nearest bracket)
- g = 12" maximum, 4" minimum (End of walkway grating to  $\mathcal{Q}$  of nearest support bracket)
- h = 6' 0'' maximum ( $\mathcal{Q}$  to  $\mathcal{Q}$  sign and/or walkway support brackets, WF(A - N)4x1.79 or WF(A - N)4x3.06)
- k = 2" maximum gap between adjacent walkway grating sections and handrail ends
- \*\* If walkway bracket at safety chain location is behind sign, add angle to bracket, see Alternate Safety Chain Attachment on Base Sheet OS-A-11.

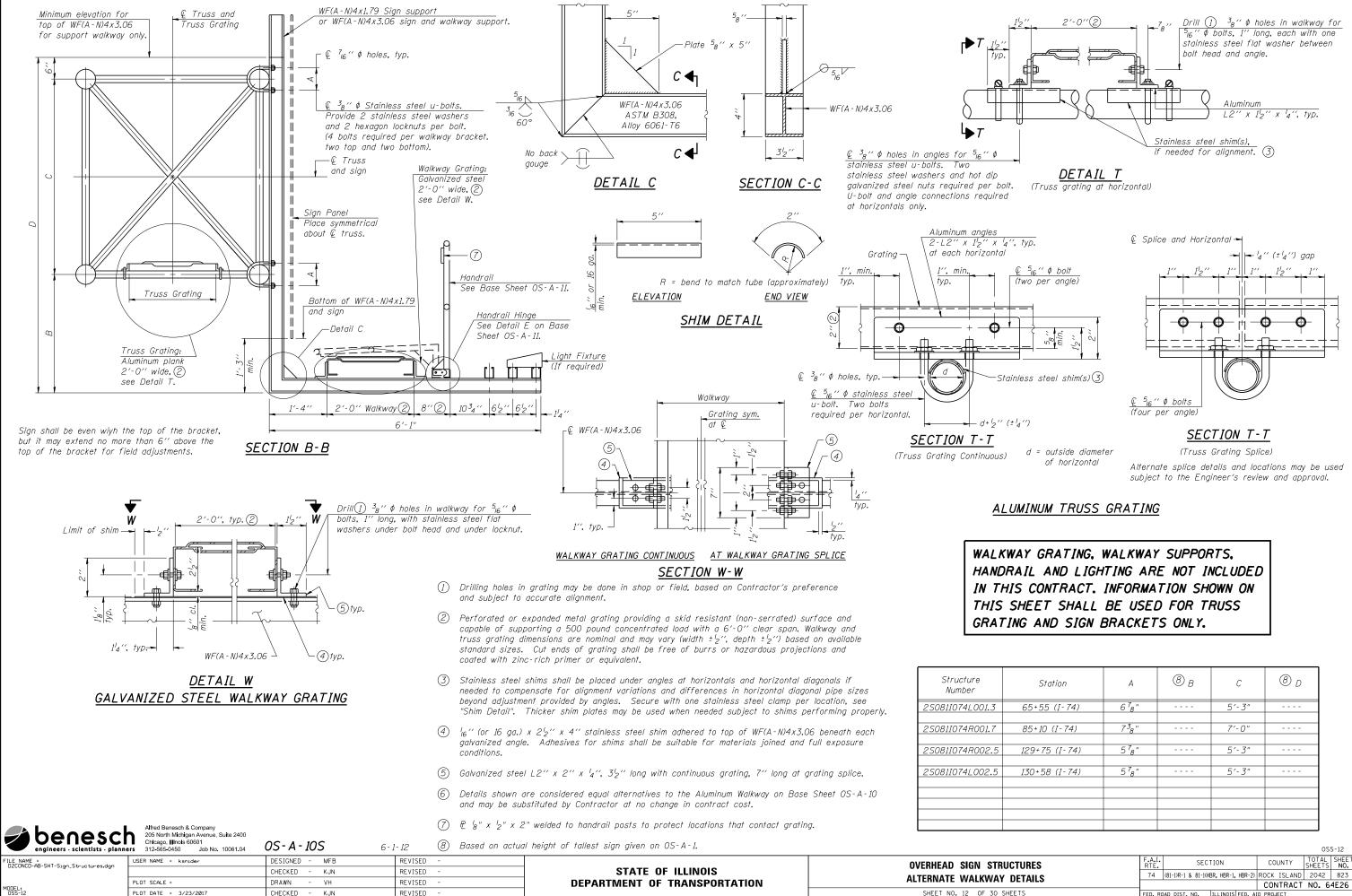
For Details T and W, Section B-B and Grating Splice Details see Base Sheet OS-A-10. For handrail details see base sheet OS-A-11.

0SS-10 TOTAL SHEE SHEETS NO. SECTION COUNTY 74 (81-1)R-1 & 81-1(HBR, HBR-1, HBR-2) ROCK ISLAND 2042 821 CONTRACT NO. 64E26



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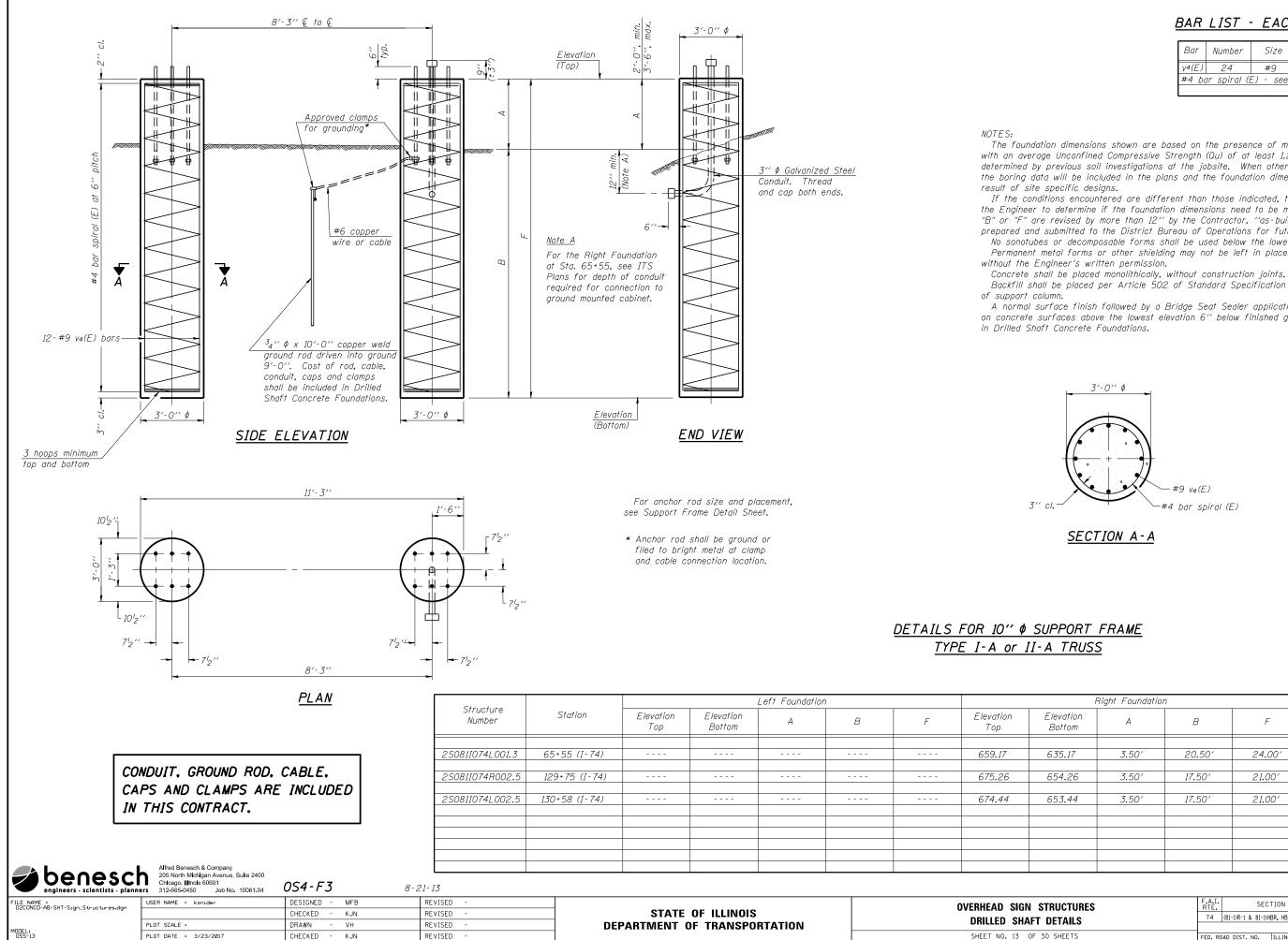
PLOT DATE = 3/23/2017

REVISED

SHEET NO. 12 OF

	Station	А	8 <sub>B</sub>	С	8 <sub>D</sub>
1.3	65+55 (I-74)	6 <sup>7</sup> 8"		5′-3″	
1.7	85+10 (I-74)	7 <sup>3</sup> 8"		7′-0″	
2.5	129+75 (I-74)	57 <sub>8</sub> "		5′-3″	
2.5	130+58 (I-74)	5 <sup>7</sup> 8"		5′-3″	

							055	5-12	
STRUCTURES	F.A.I. RTE.	SEC	TION		CO	UNTY	TOTAL SHEETS	SHEET NO.	1001
NAY DETAILS	74	(81-1)R-1 & 81-1(H	BR, HBR-1,	HBR-2)	ROCK	ISLAND	2042	823	ć
WAT DETAILS					CON	NTRACT	NO. 6	4E26	
30 SHEETS	FED. RC	DAD DIST. NO.	ILLINOIS	FED. AI	D PROJ	ECT			Ľ



### BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	
#4 ba	ar spiral (l	E) - see :	Side Elevatio	n

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

If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference. No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation

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

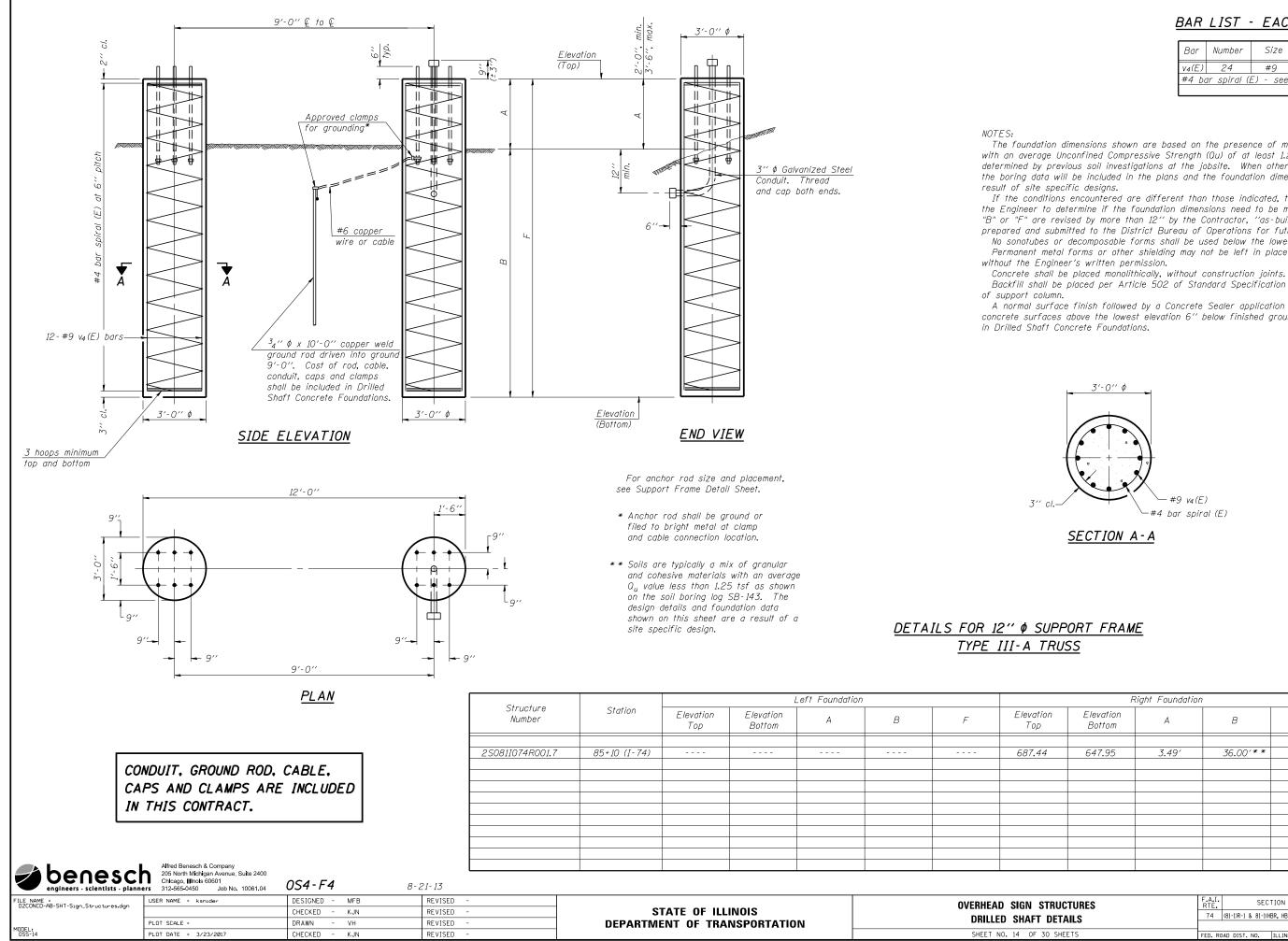
A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included

1	Class DS			
Elevation Bottom	A	В	F	Concrete (Cu. Yds.)
635.17	3.50′	20.50′	24.00′	13
654.26	3.50′	17.50′	21.00′	11
653.44	3.50′	17.50′	21.00′	11

						055	5-13	
STRUCTURES	F.A.I. RTE.	SEC	LION	со	UNTY	TOTAL SHEETS	SHEET NO.	1021
r details	74	74 (81-1)R-1 & 81-1(HBR, HBR-1, HBR-2)			ISLAND	2042	824	1 c
				100	NTRACT	NO. 6	4E26	
30 SHEETS	FED. RC	AD DIST. NO.	ILLINOIS FED. A	ID PRO.	JECT			10

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### BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape	
V4(E)	24	#9	F less 5"		
#4 bar spiral (E) - see Side Elevation					

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

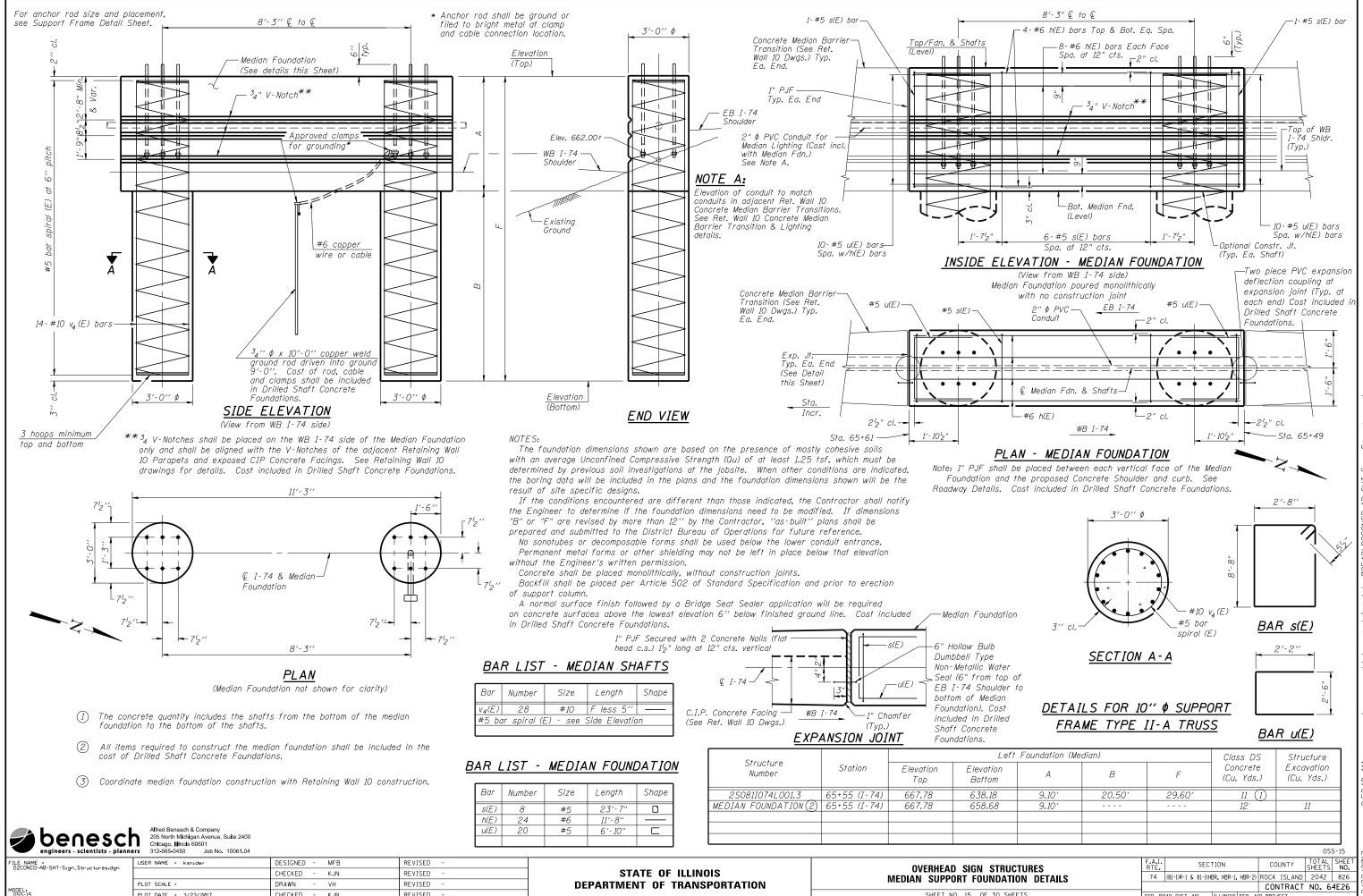
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference. No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation

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

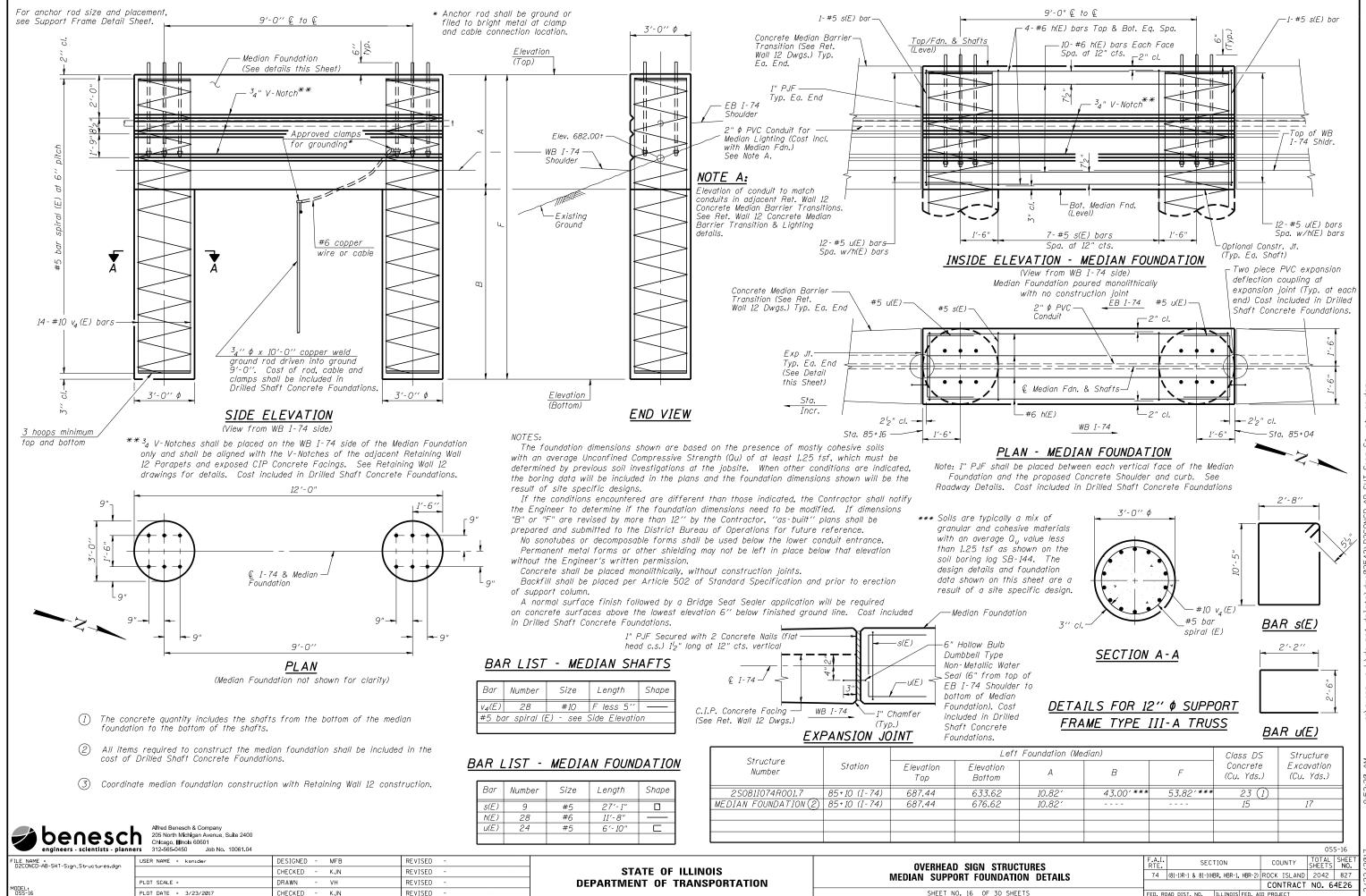
A normal surface finish followed by a Concrete Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included

	Class DS				
tion D	Elevation Bottom	А	В	F	Concrete (Cu. Yds.)
44	647.95	3.49′	36.00′**	39.49′ * *	21
	047.35	5.45	50.00	33.43	21

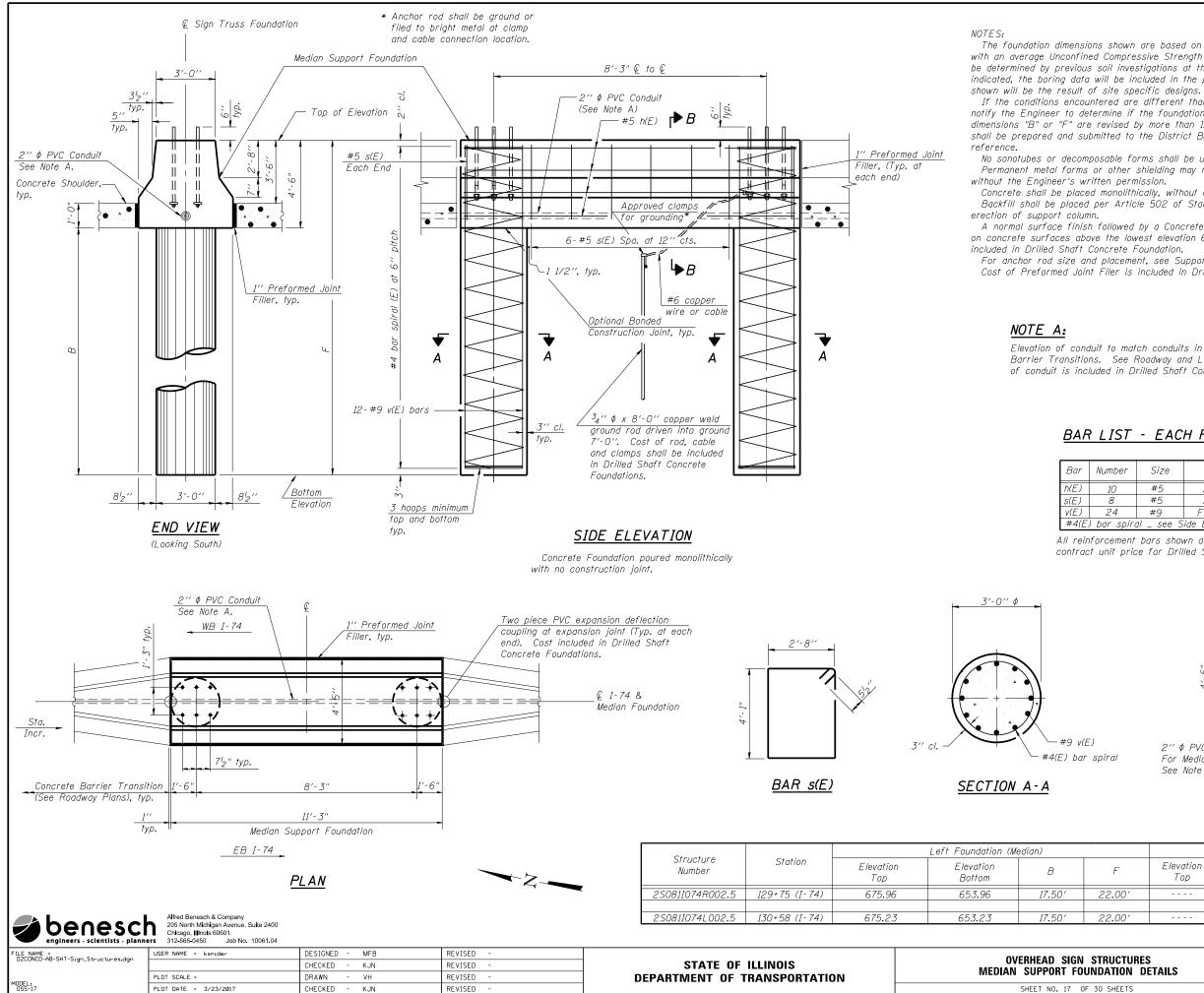
							05	S-14	$\sim$
STRUCTURES	F.A.I. RTE.	SECT	TION		COI	UNTY	TOTAL SHEETS	SHEET NO.	/201
DETAILS	74	(81-1)R-1 & 81-1(HE	BR. HBR-1. ⊢	HBR-2)	ROCK	ISLAND	2042	825	ĉ
DETAILS					CON	ITRACT	NO. 6	4E26	2/2
30 SHEETS	FED. RC	AD DIST. NO.	ILLINOIS F	ED. AI	D PROJ	ECT			



NAME = ONCD-AB-SHT-Sign_Structures.don	USER NAME = ksnider	DESIGNED - MFB	REVISED -		OVERHEAD
		CHECKED - KJN	REVISED -	STATE OF ILLINOIS	MEDIAN SUPPO
	PLOT SCALE =	DRAWN - VH	REVISED -	DEPARTMENT OF TRANSPORTATION	WEDIAN SUPPO
-15	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO



FILE NAME = D2CONCD-AB-SHT-Sign_Structures.dgn	USER NAME = ksnider	DESIGNED - MFB	REVISED -		
D2CONCD-HB-SHI-Sign_Structures.agn		CHECKED - KJN	REVISED -	STATE OF ILLINOIS	OVERHEAD SIGN MEDIAN SUPPORT FOU
MODE	PLOT SCALE =	DRAWN - VH	REVISED -	DEPARTMENT OF TRANSPORTATION	WEDIAN SUPPORT FOU
MODEL: OSS-16	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO. 16 OF



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

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

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation

Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to

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

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

Cost of Preformed Joint Filer is included in Drilled Shaft Concrete Foundations.

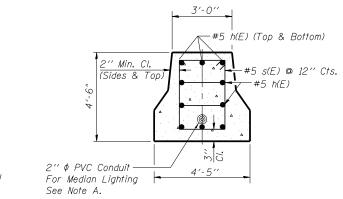
Elevation of conduit to match conduits in adjacent Concrete Barrier Transitions. See Roadway and Lighting plans. Cost of conduit is included in Drilled Shaft Concrete Foundations.

### BAR LIST - EACH FOUNDATION

Number	Size	Length	Shape
10	#5	10'-11''	
8	#5	14'-5''	
24	#9	F less 5"	
har spire			

All reinforcement bars shown are included in the

contract unit price for Drilled Shaft Concrete Foundations.



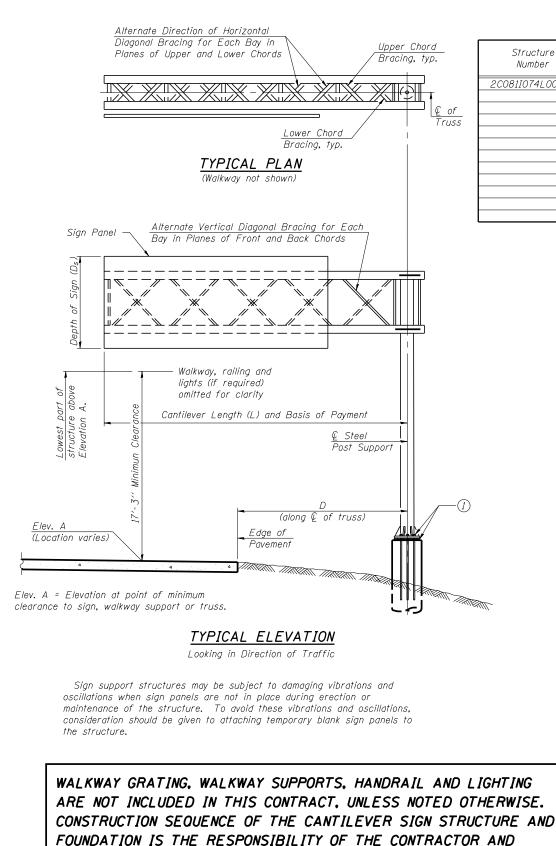
#### SECTION B-B

(Concrete Shoulder omitted for clarity)

\*\* Includes drilled shafts and barrier.

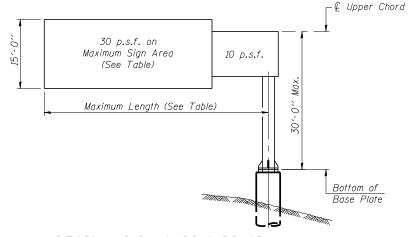
		**Class DS			
F	Elevation Top	Elevation Bottom	В	F	Concrete (Cu. Yds.)
22.00'					16
22.00′					16

						05	S-17	Γ
STRUCTURES	F.A.I. RTE.	F.A.I. RTE. SECTION		COUNTY		TOTAL SHEETS	SHEET NO.	1001
NDATION DETAILS	74	(81-1)R-1 & 81-1(H	BR, HBR-1, HBR-2)	ROCK	ISLAND	2042	828	Ś
ADATION DETAILS				100	NTRACT	NO. 6	4E26	
30 SHEETS	FED. RC	AD DIST. NO.	ILLINOIS FED. A	ID PRO.	JECT			



Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	Ds	Total Sign Area
2C081I074L001.6	80+90 (I-74)	III-C-A	33.00′	683.05	19.50′	11.00′	160 S.F.

russ Type Maximum Sign Area Maximum Length 170 Sq. Ft. 25 Ft. - C - A 340 Sq. Ft. 30 Et. - C - A 400 Sa. Et. 40 Ft. III-C-A



#### DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for LD.O.T. Standards Installations not within dimensional limits shown require special analysis for all components.

#### Note:

Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may reauire ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection of the trusses.

- After adjustments to level truss and insure adequate vertical clearance, all top and leveling nuts shall be tightened against the base plate with a minimum toraue of 200 lb.-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel banding.
- \* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

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

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

LOADING: 90 M.P.H. WIND VELOCITY

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

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

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W\*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO MI64 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

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

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

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

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

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

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

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE I-C-A	Foot	
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	33
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	Foot	
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu, Yds,	10

benesch engineers - scientists - planners	Alfred Benes 205 North M Chicago, IIIIr 312-565-045
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sch & Company lichigan Avenue, Suite 2400 10**I**s 60601 Job No. 10061.04

SHALL CONSIDER THE MAINTENANCE OF TRAFFIC PLANS.

- A - 1	8-21-13

engineers - scientists - planne		<b>OSC-A-1</b> 8-2	21-13	
E NAME = 2CONCD-AB-SHT-Sign_Structures.dgn	USER NAME = ksnider	DESIGNED - MFB	REVISED -	
2CUNCD-AB-SHI-Sign_Structures.agn		CHECKED - KJN	REVISED -	STATE OF ILLING
	PLOT SCALE =	DRAWN - VH	REVISED -	DEPARTMENT OF TRANS
DEL: SS-18	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -	

STATE	OF ILLIN	OIS	
ARTMENT	OF TRANS	SPORTATION	



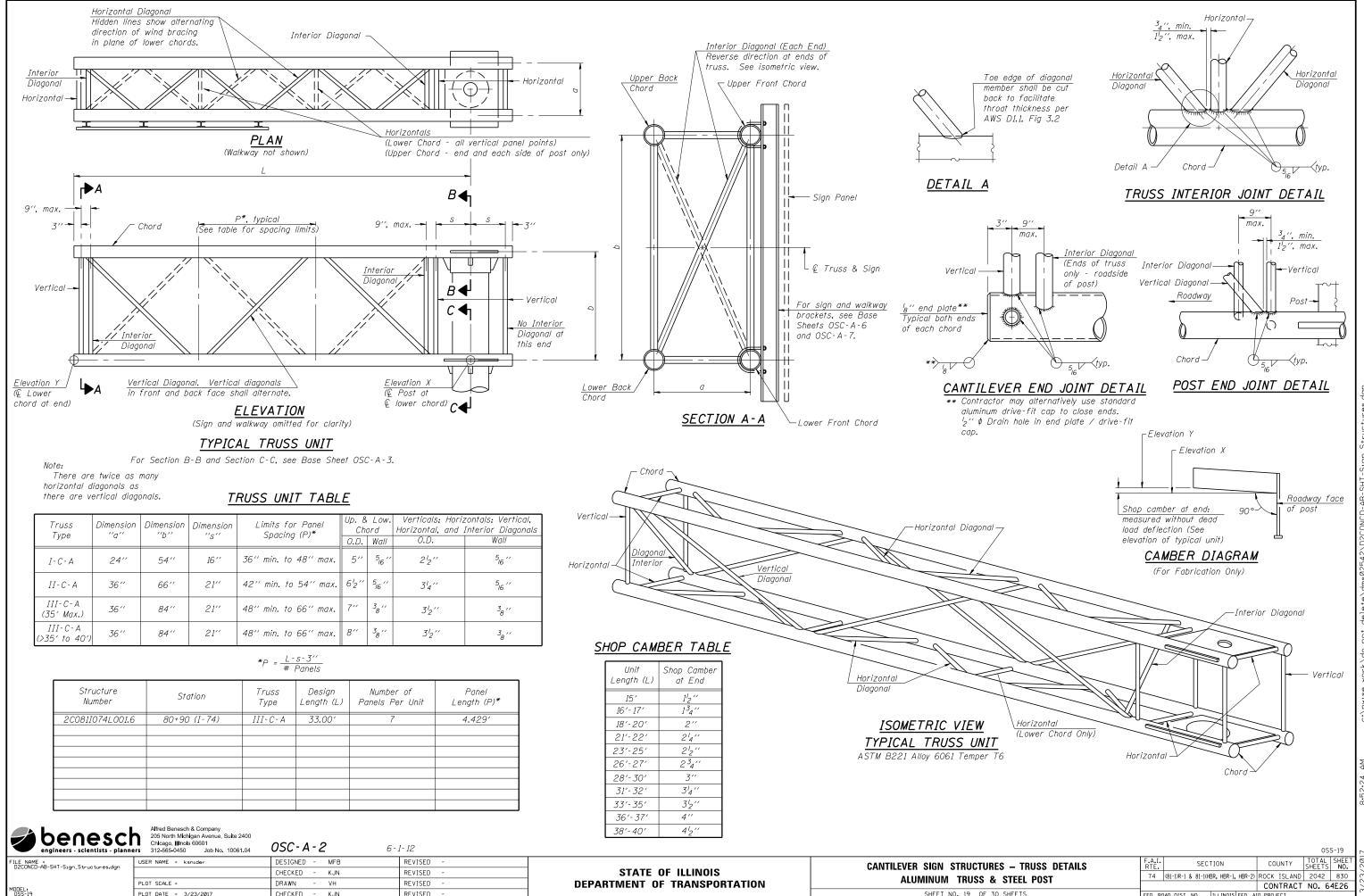
FILE D2C

### GENERAL NOTES

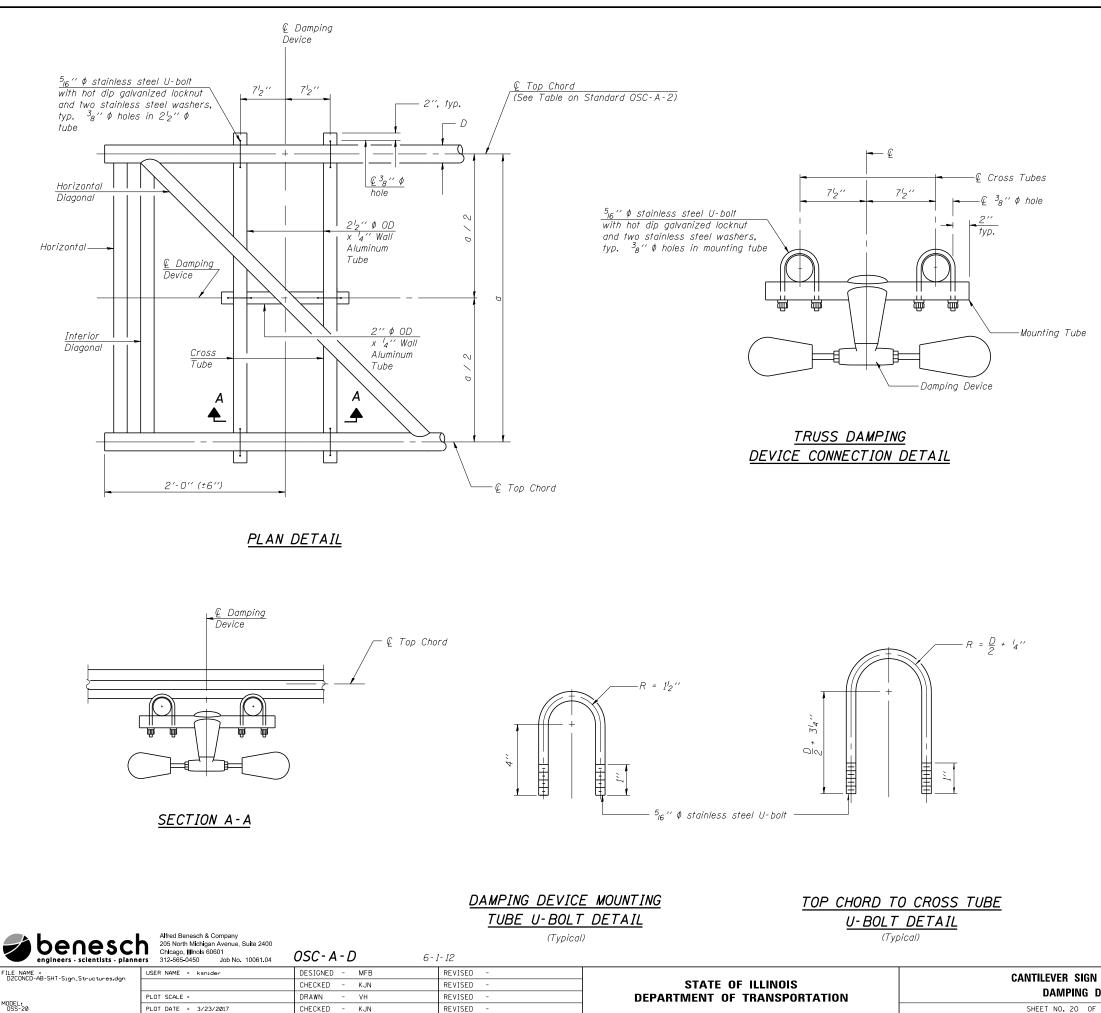
WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specificiations.

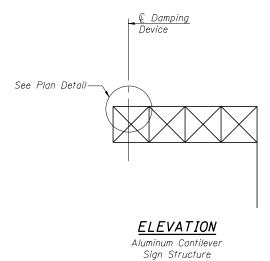
### TOTAL BILL OF MATERIAL

							0S	S-18
GENERAL PLAN & ELEVATION		SECT	ION		CO	UNTY	TOTAL SHEETS	SHEET NO.
& STEEL POST	74	(81-1)R-1 & 81-1(HE	BR, HBR-1,	HBR-2)	ROCK	ISLAND	2042	829
					CON	ITRACT	NO. 6	4E26
30 SHEETS	FED. RC	AD DIST. NO.	ILLINOIS	FED. Al	D PROJ	ECT		



SHEET NO. 19 OF 30 SHEETS





### GENERAL NOTES

Damper:

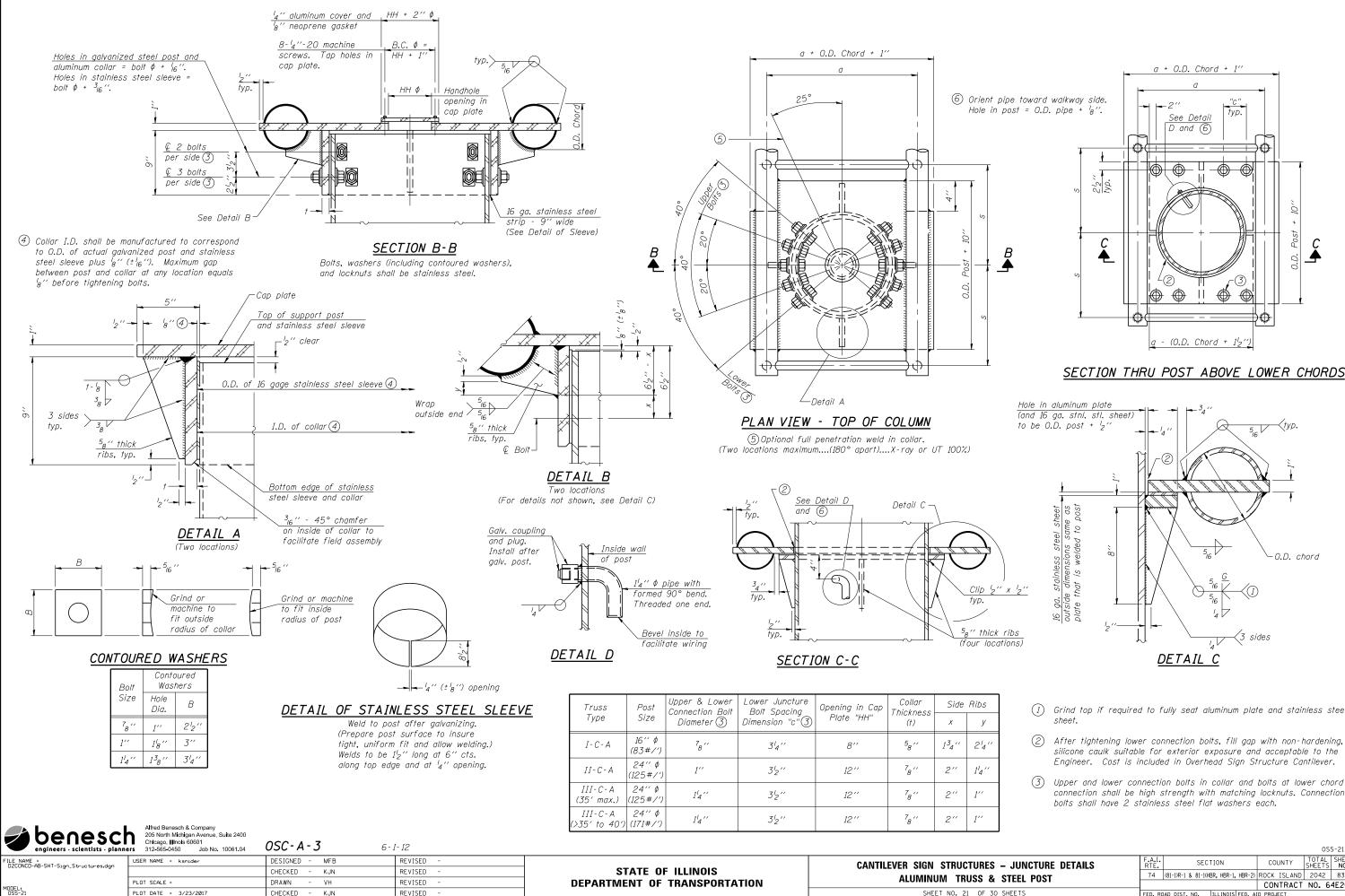
One damper per truss. (31 lbs. Stockbridge-Type Aluminum-29'' minimum between ends of weights)

Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6

						053	S-20
N STRUCTURE		SECT	LION	C	DUNTY	TOTAL SHEETS	SHEET NO.
DEVICE	74	(81-1)R-1 & 81-1(HE	BR, HBR-1, HBR-	2) ROCK	ISLAND	2042	831
				CO	NTRACT	NO. 6	4E26
F 30 SHEETS	FED. RC	AD DIST. NO.	ILLINOIS FED.	AID PRO	JECT		

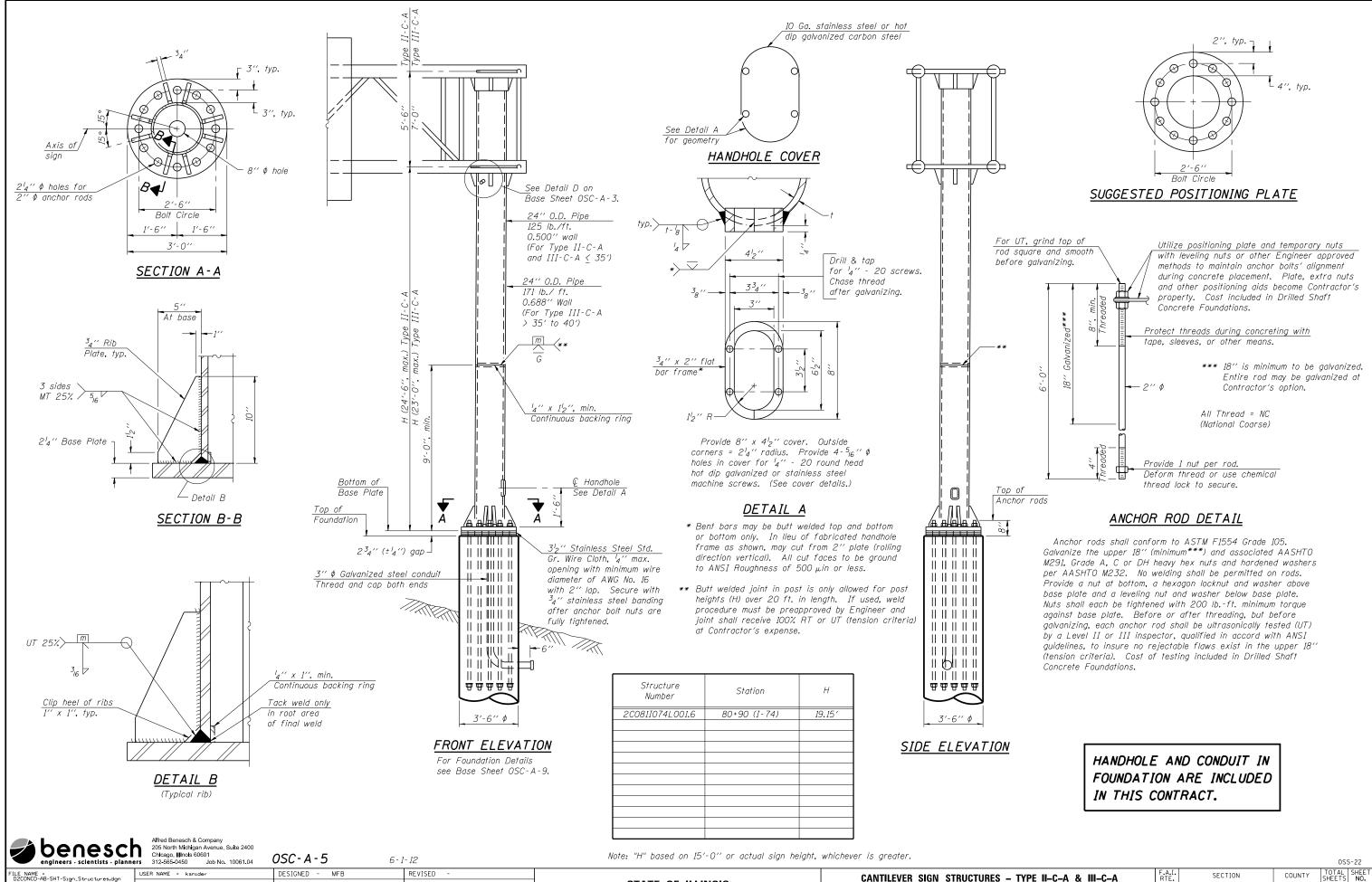
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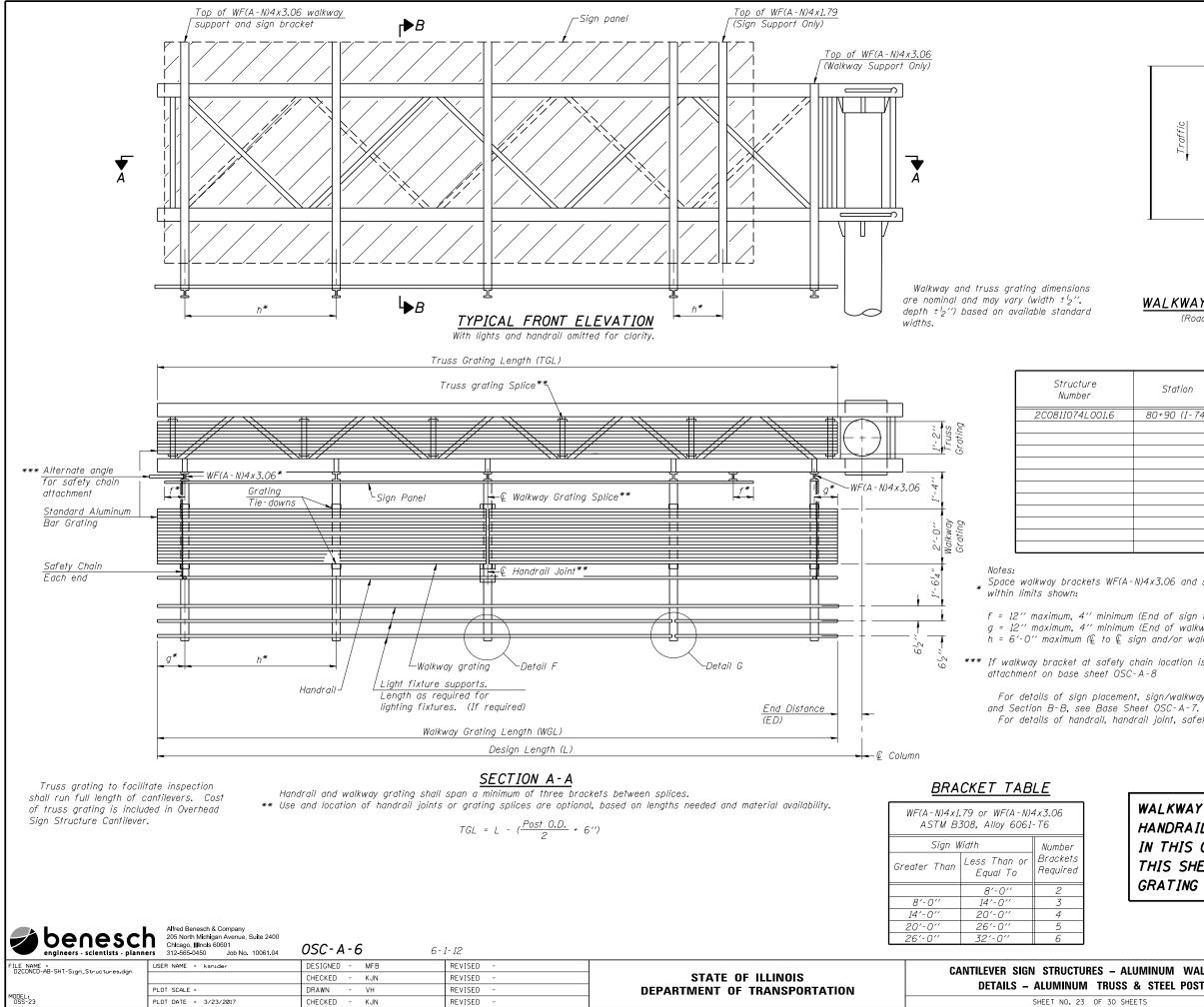
- (1) Grind top if required to fully seat aluminum plate and stainless steel
- 2 After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the
- connection shall be high strength with matching locknuts. Connection

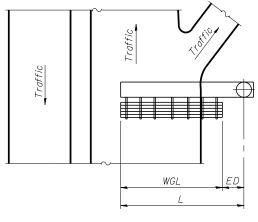
						055	S-21	$\sim$
S – JUNCTURE DETAILS	F.A.I. RTE.			cc	UNTY	TOTAL SHEETS		/201
& STEEL POST	74	(81-1)R-1 & 81-1(H	BR, HBR-1, HBR-:	ROCK	ISLAND	2042	832	23/
		CO	NTRACT	NO. 6	4E26	$\leq$		
30 SHEETS	FED. RC	AD DIST. NO.	ILLINOIS FED.	AID PRO	JECT			m
								•



FILE NAME = D2CONCD-AB-SHT-Sign_Structures.dgn	USER NAME = ksnider	DESIGNED - MFB CHECKED - KJN	REVISED - REVISED -	STATE OF ILLINOIS	CANTILEVER SIGN STRUCTURES
MODEL	PLOT SCALE =	DRAWN - VH	REVISED -	DEPARTMENT OF TRANSPORTATION	TRUSS SUPPORT POST – ALUMIN
MODEL: OSS-22	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO. 22 OF 3

					055	6-22	
S – TYPE II–C–A & III–C–A	F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	/201
INUM TRUSS & STEEL POST	74	(81-1)R-1 & 81-1(HBR, H	HBR-1, HBR-2)	ROCK ISLAND	2042	833	n n
				CONTRACT	NO. 6	4E26	
DF 30 SHEETS	FED. RC	DAD DIST. NO. ILLI	INOIS FED. AI	D PROJECT			0.5





PLAN WALKWAY AND HANDRAIL SKETCH (Road plan beneath truss varies)

	Station	WGL	ED	TGL
1.6	80+90 (I-74)			31.50′

Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and

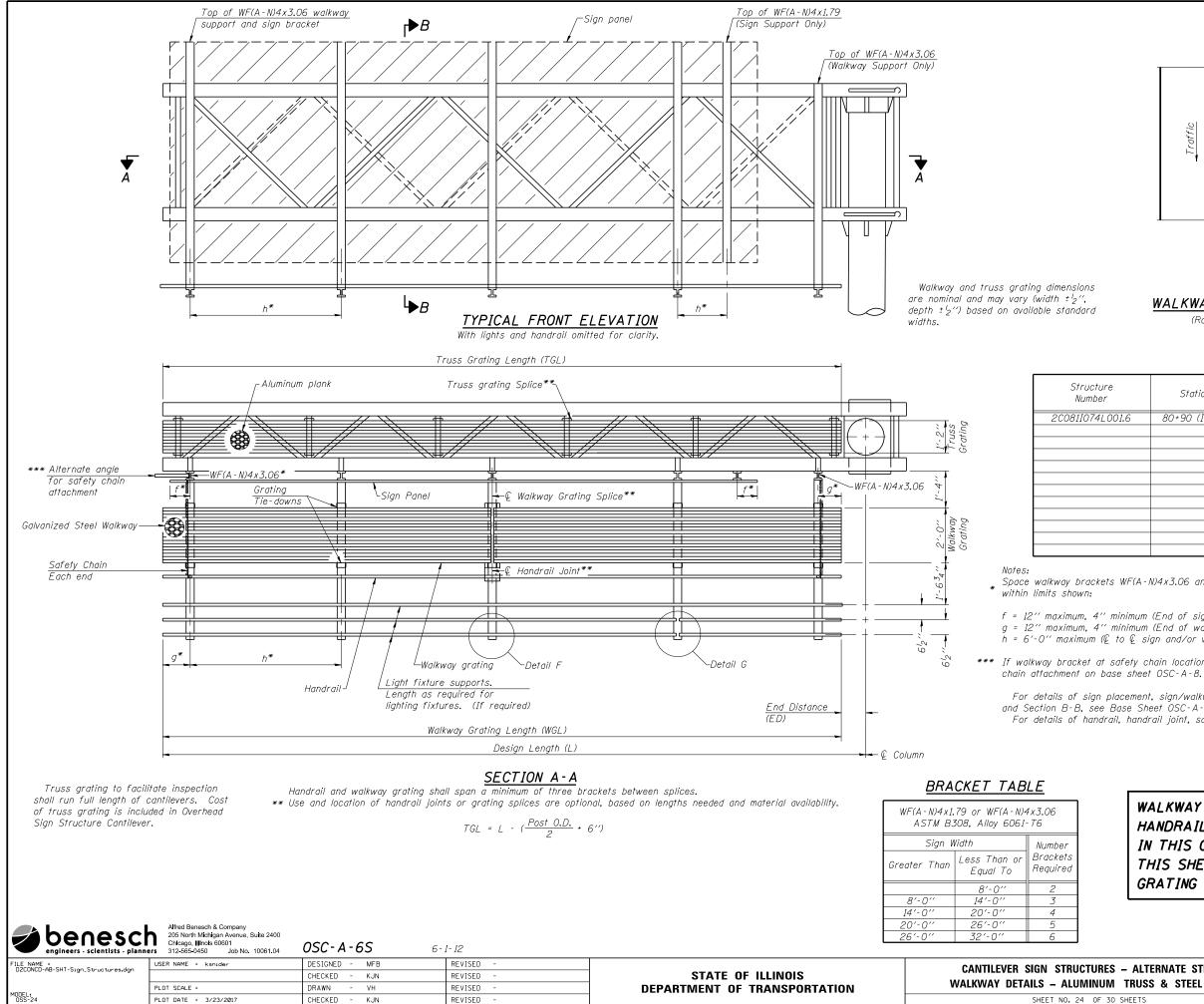
 $f = 12^{\prime\prime}$  maximum, 4<sup>\prime\prime</sup> minimum (End of sign to Q of nearest bracket)  $g = 12^{\prime\prime}$  maximum, 4<sup>\prime\prime</sup> minimum (End of walkway to Q of nearest bracket) h = 6'-0'' maximum (Q to Q sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)

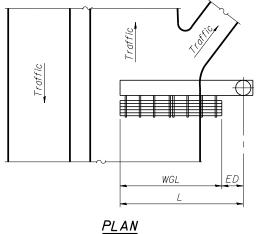
\*\*\* If walkway bracket at safety chain location is behind sign, add angle to bracket. See alternate safety chain

For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices For details of handrail, handrail joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

> WALKWAY GRATING, WALKWAY SUPPORTS, HANDRAIL AND LIGHTING ARE NOT INCLUDED IN THIS CONTRACT. INFORMATION SHOWN ON THIS SHEET SHALL BE USED FOR TRUSS GRATING AND SIGN BRACKETS ONLY.

						055	S-23	٢
– ALUMINUM WALKWAY USS & STEEL POST		SECTION		CO	UNTY	TOTAL SHEETS	SHEET NO.	1001
		(81-1)R-1 & 81-1(H	BR, HBR-1, HBR-2)	ROCK	ISLAND	2042	834	10
				CON	ITRACT	NO. 6	4E26	
30 SHEETS	FED. RO	DAD DIST. NO.	ILLINOIS FED. A	ID PROJ	ECT			ľ







re r	Station	WGL	ED	TGL
001.6	80+90 (I-74)			31,50′

Space walkway brackets WF(A-N)4x3.06 and sign brackets WF(A-N)4x1.79 for efficiency and

 $f = 12^{\prime\prime}$  maximum, 4<sup>\prime\prime</sup> minimum (End of sign to c of nearest bracket)  $g = 12^{\prime\prime}$  maximum, 4<sup>'\prime</sup> minimum (End of walkway to c of nearest bracket)  $h = 6^{\prime} - 0^{\prime\prime}$  maximum (c to c sign and/or walkway support brackets, WF(A-N)4x1.79 or WF(A-N)4x3.06)

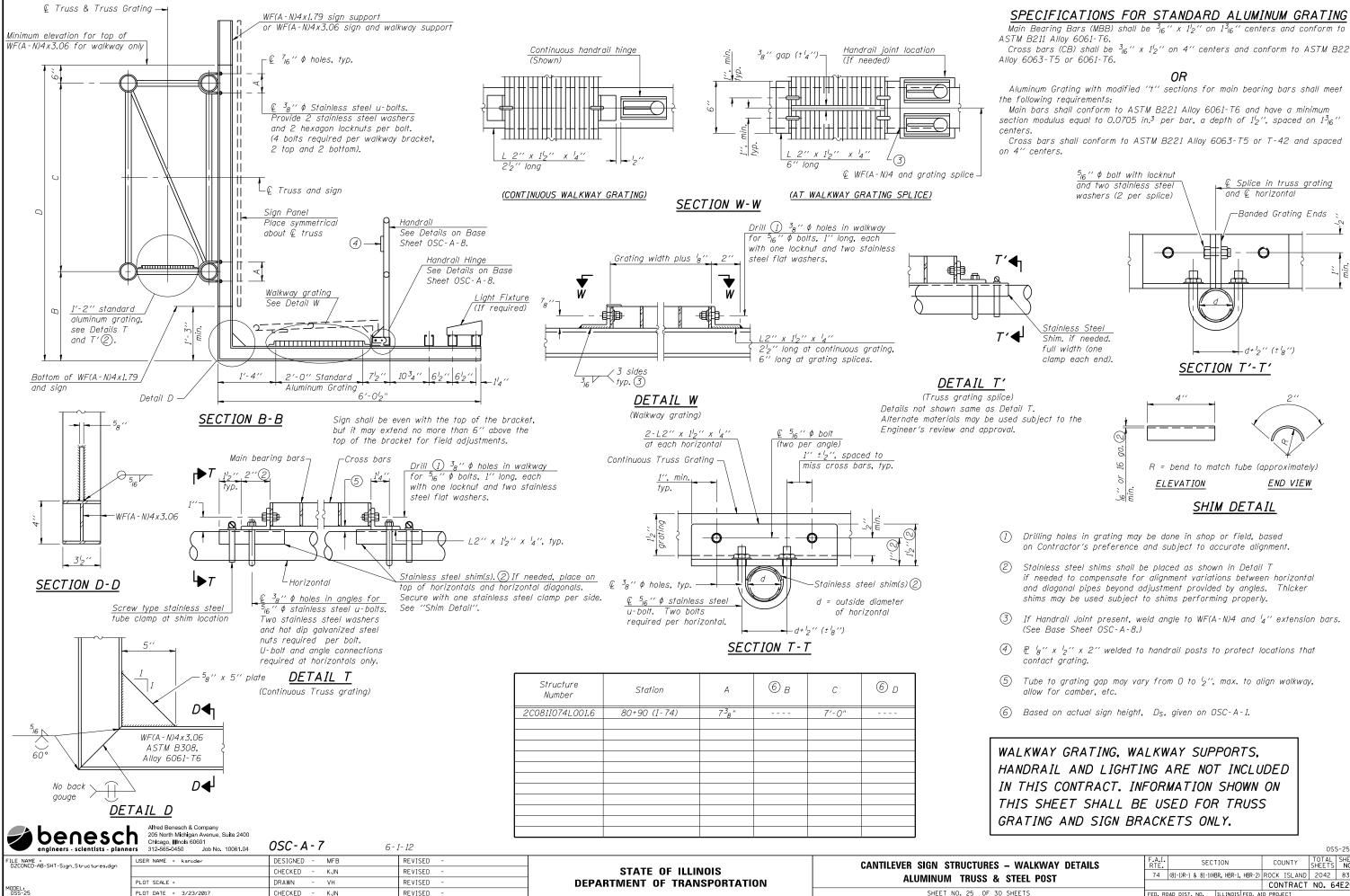
\*\*\* If walkway bracket at safety chain location is behind sign, add angle to bracket. See alternate safety chain attachment on base sheet OSC-A-8.

For details of sign placement, sign/walkway brackets, truss and walkway gratings, grating splices and Section B-B, see Base Sheet OSC-A-7S. For details of handrail, handrail joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

> WALKWAY GRATING, WALKWAY SUPPORTS, HANDRAIL AND LIGHTING ARE NOT INCLUDED IN THIS CONTRACT. INFORMATION SHOWN ON THIS SHEET SHALL BE USED FOR TRUSS GRATING AND SIGN BRACKETS ONLY.

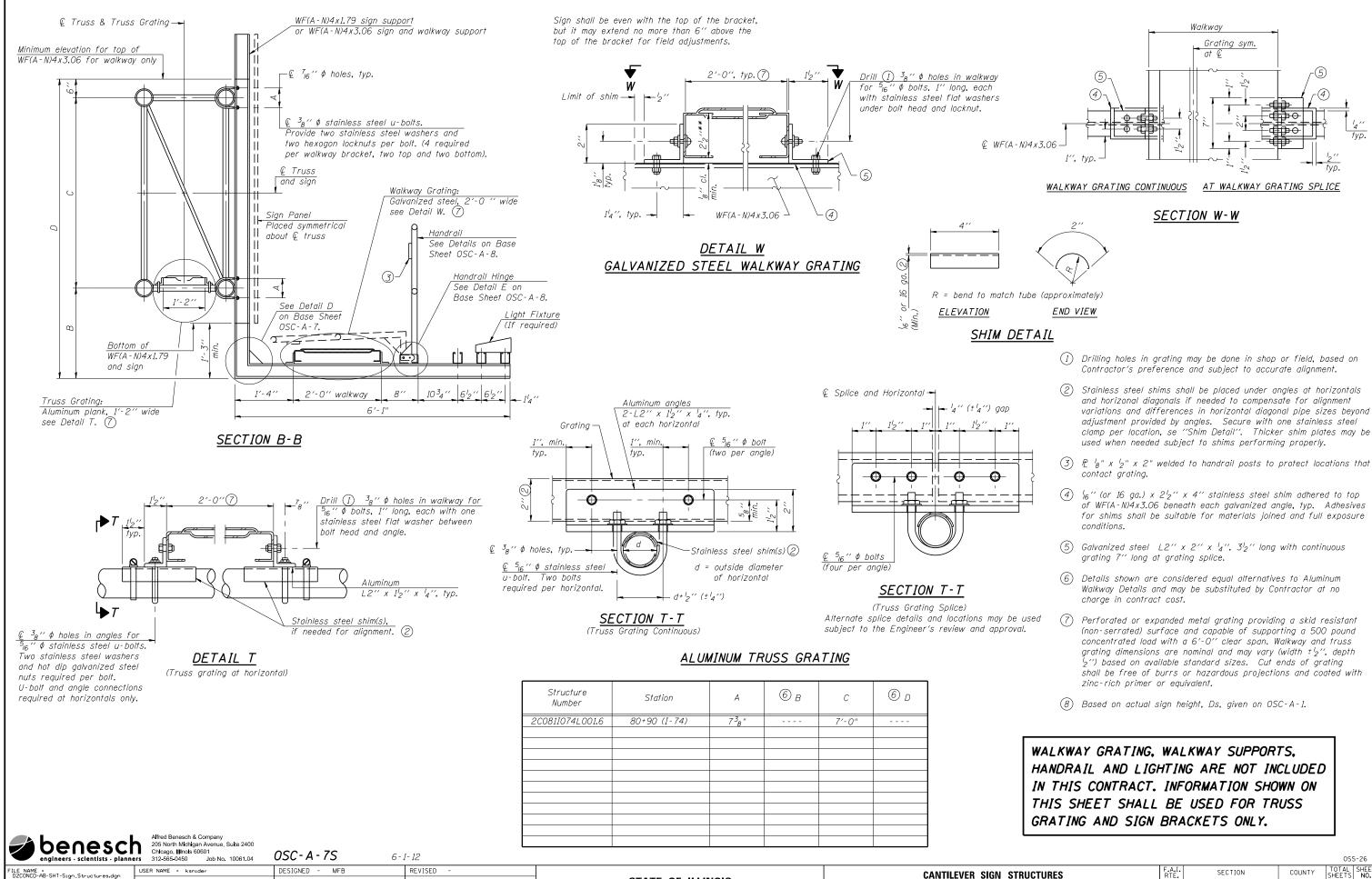
						0S	S-24	٢
S – ALTERNATE STEEL	F.A.I. RTE.	SECTION		со	UNTY	TOTAL SHEETS	SHEET NO.	0007
M TRUSS & STEEL POST	74	(81-1)R-1 & 81-1(H	3R, HBR-1, HBR-2)	ROCK	ISLAND	2042	835	S
M THOSS & STELL TOST	·		100	NTRACT	NO. 6	4E26		
30 SHEETS	FED. RO	DAD DIST. NO.	ILLINOIS FED. A	ID PRO.	JECT			Ľ

017



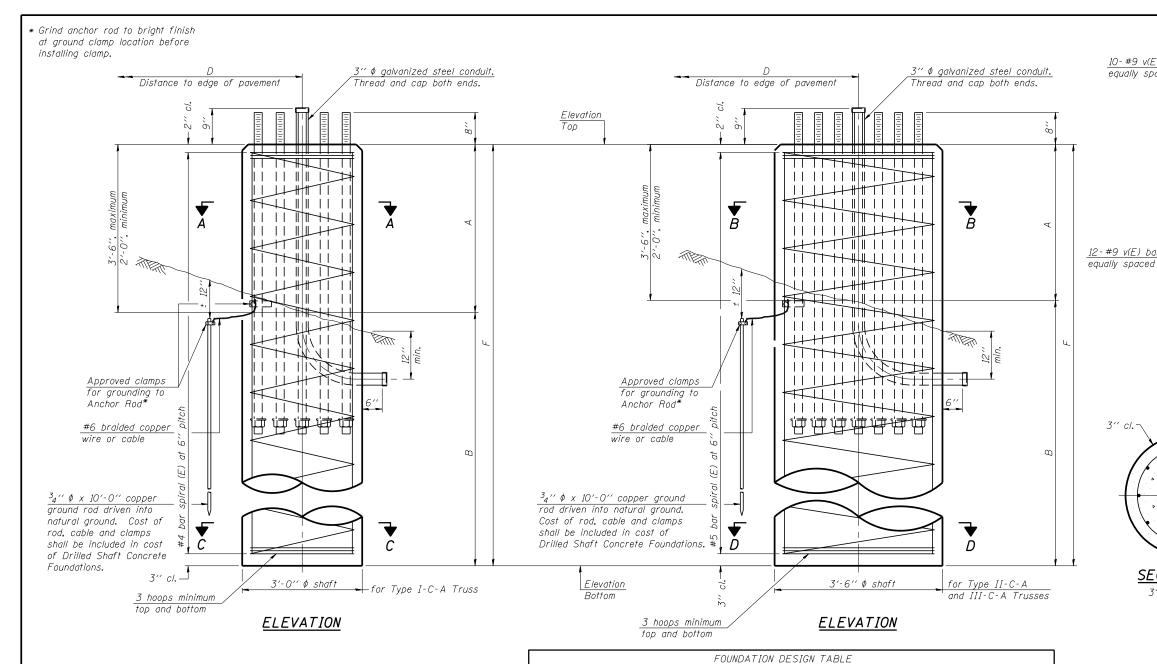
Cross bars (CB) shall be  ${}^{3}_{16}$  " x  ${}^{12}_{2}$ " on 4" centers and conform to ASTM B221

								1
S – WALKWAY DETAILS	F.A.I. RTE.			C	COUNTY		SHEET NO.	1001
& STEEL POST	74	(81-1)R-1 & 81-1(HE	BR, HBR-1, HBR	-2) ROCK	ISLAND	2042	836	2
			CO	NTRACT	NO. 64	4E26	È	
30 SHEETS	FED. RC	AD DIST. NO.	ILLINOIS FED	AID PRO	JECT			Ľ,



FILE NAME = D2CONCD-AB-SHT-Sign_Structures.dgn	USER NAME = ksnider PLOT SCALE =	DESIGNED - MFB CHECKED - KJN DRAWN - VH	REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CANTILEVER SIGN ST Alternate Walkway
MODEL: OSS-26	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO. 26 OF 30

						055	5-26	
STRUCTURES	F.A.I. RTE.	SEC	LION	CC	DUNTY	TOTAL SHEETS	SHEET NO.	1001
AY DETAILS	74	(81-1)R-1 & 81-1(H	BR. HBR-1. HBR∙	2) ROCK	ISLAND	2042	837	ć
				CO	NTRACT	NO. 6	4E26	2
30 SHEETS	FED. RO	DAD DIST. NO.	ILLINOIS FED.	AID PRO	JECT			ć



#### NOTES

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

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

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

Concrete shall be placed monolithically, without construction joints.

312 565 0450

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

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

### CONDUIT. GROUND ROD. CABLE. CAPS AND CLAMPS ARE INCLUDED IN THIS CONTRACT.

Job No. 10061.04

0SC-A-9

C	LAMPS	ARE	INCLUDED	IN	THIS	С
bene	esch	Alfred Be 205 Nort Chicago,	enesch & Company h Michigan Avenue, Suite 2 , IIIInols 60601	2400	nsc.	- ^

Туре	Sheet	CantileverLength (ft)	Total Sign Area (sq ft)	Diameter (in)	Depth (ft)	No.	Diameter (in)	Circle Diameter (in)
I-C-A	0SC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	0SC - A - 5	30	170	3.5	17.0	12	2	30
II-C-A	0SC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	0SC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	0SC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	0SC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	0SC-A-5	40	400	3.5	32.0	12	2	30
				F	OUNDATI	ON DA	TA TABLE	

Shaft "B" Anchor Rods Anchor Rod

Maximum

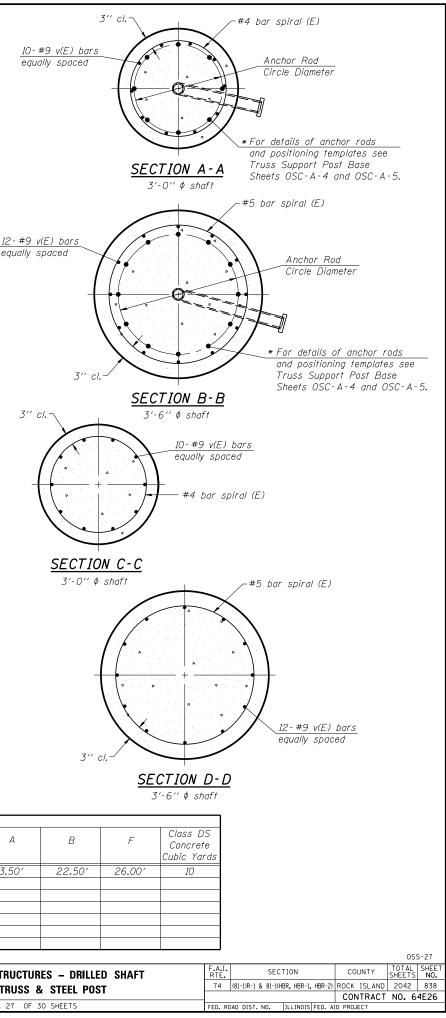
Maximum

		1						
Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	A	
2C081I074L001.6	80+90 (I-74)	III-C-A	3.50′	684.92	658.92	1.33 tsf	3.50′	

FILE NAME = D2CONCD-AB-SHT-Sign_Structures.dgn	USER NAME = ksnider	DESIGNED - MFB	REVISED -		CANTILEVER SIGN STRUCTURES
becomes no onn orgneou le un cough		CHECKED - KJN	REVISED -	STATE OF ILLINOIS	
MODEL	PLOT SCALE =	DRAWN - VH	REVISED -	DEPARTMENT OF TRANSPORTATION	ALUMINUM TRUSS & S
MODEL: OSS-27	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO. 27 OF 30 S

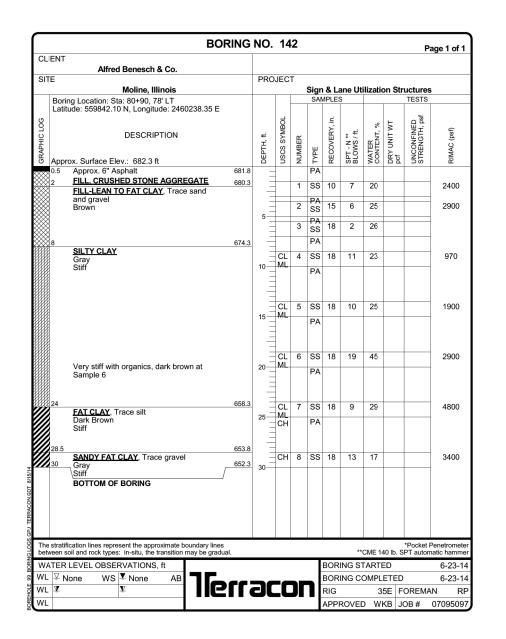
8-21-13

Truce Post Baco



8/2017

	BORIN	G N	o. s	6B-1	107						P	age 1 of <sup>•</sup>
CLĪ	ENT											190 1 01
SIT	Alfred Benesch & Co.		PRO	IEC.	т							
311	⊏ Moline, Illinois		FIXU	JLO		in. D	MS 8	Lane	Utiliz	ation	Structu	res
	Boring Location: Sta: 65+55, offset about 80' LT,				0.8		IPLES				TESTS	
	westbound I-74										<u> </u>	
8				ВО.			Ë,		*	Þ	<u> </u>	-
Ω	DESCRIPTION		÷	ΥM	۲		ER	** / ft.	Ľ,	1	GTH	(psf)
GRAPHIC LOG			DEPTH, ft.	USCS SYMBOL	NUMBER	ш	RECOVERY, in.	SPT - N ** BLOWS / ft.	WATER CONTENT, 9	5	UNCONFINED STRENGTH, psf	RIMAC (psf)
R,	Approx. Surface Elev.: 657 ft		DE	nsc	ΪN	ТҮРЕ	RE	E S B	¥0 80	DRY UNIT WT pcf	STE	RIN
4 . ×		656.8 655.9	-			PA						
***	<sup>1.1</sup> Approx. 13" Portland Cement Concrete FILL, SANDY LEAN TO FAT CLAY	000.0	=		1	SS	9	11	12			13,10
XX	3.5 Brown, Dark Brown	653.5	=			PA						
$\langle \rangle \rangle$	SANDY LEAN TO FAT CLAY (GLACIAL		5-	CL CH	2	SS	9	11	13			
	DEPOSIT) Brown		1	D I	3	PA SS	12	9	16			6300
$\langle \rangle \rangle$	Stiff		_	СН		PA						
1D			=	CL	4	SS	7	9	18			7760
UP)			10	CH	4		1	9	18			7760
$\langle \rangle \rangle$			- <sup>10</sup> =			PA						
D			_	1					1			
1D			=		F	SS	13	10	17			2000
IA			15-	CL	5		13	10	17			3880
$\square$			=			PA						
			=									
11			=	CL	6	SS	10	11	19			5330
H			20-	CH			10	•••	18			0000
			=			PA						
11			_									
40	23.5 SANDY LEAN TO FAT CLAY (GLACIAL	633.5	=	CL	7	SS	11	28	13			14.06
Ħ	TILL)		25-	СH	ļ	PA	•					1,00
n filler with the second se	Brown Very Stiff		=	1		PA						
Û			_	1		1						
M				CL	8	SS	10	27	12	1		1310
HB	30 BOTTOM OF BORING	, 627	30-	СH	<u> </u>			<u> </u>				
	BOTTOM OF BOIMING											
The	stratification lines represent the approximate boundary lines ween soil and rock types: in-situ, the transition may be gradual.		•					**		40 lb 1		Penetrom natic ham
	ATER LEVEL OBSERVATIONS, ft					-	BOR	ING S			autor	11-14-
WL						- 1					)	11-14
WL	¥ None WS ¥ None ¼ hr AB ¥ ¥ ¥	٢٢	21	۲٢	7		RIG				OREM	
						- 1		ROVE		_	IOB #	070950



#### <u>NOTE:</u>

For soils information for the sign structure median foundation near I-74 Station 65+55, see Soil Boring Log ILR1003 in the Retaining Wall 10 plans.

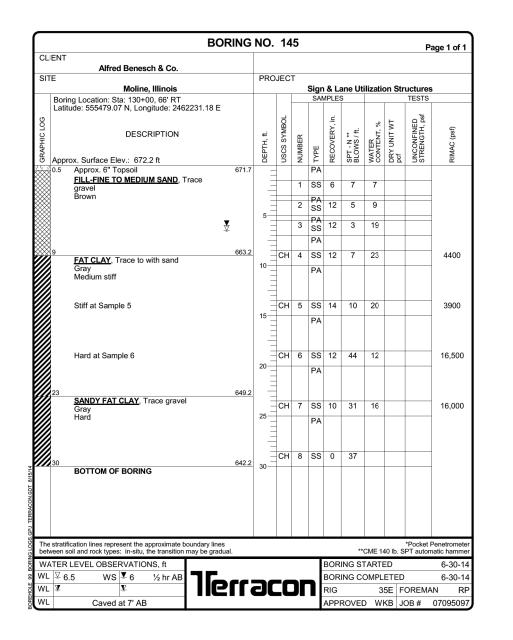


- engineers selentists plant					
FILE NAME = D2CONCD-AB-SHT-Sign_Structures.dgn	USER NAME = ksnider	DESIGNED - KJN	REVISED -		OVERHEAD SIGN STRU
bzeokeb Hb Shir Sign Structures.ogn		CHECKED - AWH	REVISED -	STATE OF ILLINOIS	SOIL BORING LOC
NODEL	PLOT SCALE =	DRAWN - KMS	REVISED -	DEPARTMENT OF TRANSPORTATION	SUL BURING LUC
MODEL: OSS-28	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO. 28 OF 30 S

CLIENT SITE Boring Loca Latitude: 55 90 Approx. Surf Ю FILL-S Brown Brown Brown **LEAN** Gray-E Mediu SILTY Dark E Stiff With o Sampl 30 FAT C Gray Stiff BOTTO The stratification lin between soil and ro WATER LEVEL WL ⊻4 WL ¥

BORING		14							Pa	age 1 of 1
Alfred Benesch & Co.										
Moline, Illinois	PRC	DJEC		Sign	21	ano l lit	ilizəti	nn Str	uctures	
	-				MPLE		mzaud	ภาอแ	TESTS	
ation: Sta: 85+10, 88' RT 59403.97 N, Longitude: 2460117.96 E			-	54		Ĭ	<u> </u>		12313	
		2			. <u>c</u> i				sf	
		ABC					, %	۲N N	빌ェ	¢.
DESCRIPTION	, <del>L</del>	¥	Ř		ШЩ.	* 5	"Ľ	Ę	19 19	sd)
	DEPTH, ft.	USCS SYMBOI	NUMBER	TYPE	RECOVERY	- Ñ	ËË	ΥC	UNCONFINED STRENGTH, psi	RIMAC (psf)
rface Elev.: 685.4 ft	B	N.	R	Σ	R	SPT - N ** BLOWS / ft.	WATER CONTENT, 9	DRY UNIT WT pcf	NU	RIA
ox. 1" Root Zone 685	.3 -	-		PA						
-SANDY LEAN TO FAT CLAY	-	-	1	SS	6	7	11			
concrete fragments // 682	.4	-			Ŭ	'				
-FAT CLAY		-	2	PA SS	0	2				
/n	5-			PA						
		-	3	SS	15	1	27			
	1 -	-	-	PA			-		$\mid$	
676	4 -	-			15	-	07			
N TO FAT CLAY	7 2	CL	4	SS	15	5	27			
-Brown	10-	-		PA						
um Stiff										
		-								
	1 -	CL	5	SS	15	6	29			
	15-	СН		PA						
		-		PA						
<u>.</u>	1 -	-								
666	_ I	-								
Y CLAY	7 3	CL ML	6	SS	12	13	38			1400
Brown and Gray	20-			PA						
	-	-								
	1 -	-								
organics, dark brown, very stiff at ple 7	1 -	CL	7	SS	18	19	37			
pie /	25-	ML		PA						
		1		PA						
CLAY, With sand	4 -	-								
655	4	СН	8	SS	18	10	24			2900
	30-									
TOM OF BORING										
in an annual and the annual desires in the second second second				-					*Dealist 7	Demotry
ines represent the approximate boundary lines rock types: in-situ, the transition may be gradual.						**	CME 14	40 lb. S	POCKet F PT autom	Penetrometer atic hammer
OBSERVATIONS, ft					BOR	ING S				6-30-14
						ING CO				
		-6	٦٢	ן ר		ING CO				6-30-14
	J				RIG				OREMA	
					APP	ROVED	D WI	KB J	OB #	07095097

	BORING	NO.	14	4						P	age 1 of
CLI	ENT										-
017	Alfred Benesch & Co.	000		-							
SIT	⊢ Moline, Illinois	PRC	JEC		Sign	21	ano Lit	ilizatio	n Str	uctures	
	Boring Location: Sta: 85+10, 20' LT		1			/PLES		liizaut	511 50	TESTS	•
	Latitude: 559414.76 N, Longitude: 2460225.57 E										
g			Б			E		%	E	psť	
CLC	DESCRIPTION	÷	YMB	~		RY	± ₩	÷.	≤ E	E E	(jsd
Ηď		DEPTH, ft.	USCS SYMBOI	BEF	ш	No.	N <sup>N</sup> -N	田原	N N	ENON NO	¢C (
GRAPHIC LOG	Approx. Surface Elev.: 677.2 ft	БР	nsc	NUMBER	ТҮРЕ	RECOVERY	SPT - N ** BLOWS / ft.	WATER CONTENT,	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf	RIMAC (psf)
	0.5 Approx. 6" Topsoil 676.7		-	-	PA	-					
*	FILL-SILTY CLAY	Ξ	1	1	SS	12	5	22			-
***	Brown-Gray	_	1	Ľ		12					
₩	4 673.2 FILL-LEAN TO FAT CLAY	=	-	2	PA SS	18	4	24			1
*	6 Brown-Gray 671.2	5—			PA						
***	FILL-SILTY CLAY	=	1	3	SS	18	5	24			
***	Brown-Gray	_			PA						]
*		_	-	4	SS	18	6	24			
***		10-	-		PA						
$\otimes$		_	1								
***	<b>Z</b>	_	1								
	14	_	CL	5	SS	12	6	25			-
	<u>SILTY CLAY</u> Gray	15-	ML	Ļ							-
	Medium Stiff	=	-		PA						
	With organics, dark brown at Sample 6	_	CL	6	AUG			81			
		_	ML CL	7	SS	12	7	28			
		20—	ML	Ľ		.2	, '				
		_	1		PA						
	_	_									
	23.5 <b>FAT CLAY</b> 653.7	_	СН	8	SS	18	9	23			-
	With sand, trace gravel	25—				10	3	23			
	-		-		PA						
		_									
		=	<u>.</u>		0.0	10		10			
	30 Stiff to Medium Stiff at Sample 9 647.2	30-	СН	9	SS	12	8	16			
	BOTTOM OF BORING	50									
The betv	stratification lines represent the approximate boundary lines veen soil and rock types: in-situ, the transition may be gradual.						**	CME 14	40 lb. S	*Pocket I PT auton	Penetron natic harr
	TER LEVEL OBSERVATIONS, ft				- F		ING S				7-11
	¥ 13 WS ¥ 23 ½ hr AB		_				ING C	OMPL	ETED		7-11
WL		၂	_C	JI		RIG		3	5E F	OREMA	٨N
			_	_			ROVE	o Wł		OB #	070950





L						
	FILE NAME = D2CONCD-AB-SHT-Sign_Structures.dgn	USER NAME = ksnider	DESIGNED - KJN	REVISED -		OVERHEAD SIGN STRU
	bzconeb mb sini sign_scrue unes.ogn		CHECKED - AWH	REVISED -	STATE OF ILLINOIS	SOIL BORING LO
	NODE	PLOT SCALE =	DRAWN - KMS	REVISED -	DEPARTMENT OF TRANSPORTATION	SUIL BURING LU
l	MODEL: OSS-29	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO. 29 OF 30 S

$\square$	BORING	N	О.	14	6						Р	age 1 of 1
CLI	ENT											uge i oi i
0.7	Alfred Benesch & Co.	<u> </u>			-							
SIT	E Moline, Illinois	P	'RO.	JEC		Sian	81:	ano l Iti	ilizətid	on Str	ructures	
	Boring Location: Sta: 130+00, 0' RT	-					MPLES		mzau	511 511	TESTS	,
	Latitude: 555522.59 N, Longitude: 2462280.74 E											
90				BOL			'n,		%	ž	E BS	~
ļ ļ	DESCRIPTION		Ë.	SYM	Ř		/ER	* T	"Ľ	É N	10 10 10	(psf
GRAPHIC LOG		Ī	UEPIH, II.	USCS SYMBOL	NUMBER	TYPE	RECOVERY	SPT - N ** BLOWS / ft.	WATER CONTENT, 9	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf	RIMAC (psf)
	Approx. Surface Elev.: 672.4 ft		5	ŝ	z		RE	ВЧ	≷ö	Цg	NTS	R
	0.3 Approx. 3½" Root Zone 672. 2 FILL-LEAN CLAY 670.	·	Ξ			PA						
	Dark Brown and Gray	4	_		1	SS	12	5	33			
	<u>FILL-FAT CLAY</u> Dark Brown and Dark Gray		Ξ		2	PA SS	12	5	22			
	6 666.		5			PA						
	FAT CLAY	4	-	СН	3	SS	18	7	27			
	Brown-Gray Medium Stiff		-			PA						
	Stiff at Sample 4		Ξ	СН	4	SS	18	9	22			
		1	0			PA						
			=									
	13 659. SANDY LEAN TO FAT CLAY	4	Ξ		_			_				
	Gray Stiff	1	5	CL CH	5	SS	12	8	11			
	Suit	"	Ĩ			PA						
			_									
	Very stiff below about 18 feet		Ξ	CL	6	SS	6	23	13			
		2	0-	СН	-	PA	-					
			=									
			Ξ									
			Ξ	CL	7	SS	18	25	13			
		2	5	СН		PA						
			Ξ									
			Ξ									
	30 642.	4 3	<u> </u>	CL CH	8	SS	18	25	15			
	BOTTOM OF BORING	7 3	0									
The	stratification lines represent the approximate boundary lines	1									*Pocket	Penetrometer
betw	een soil and rock types: in-situ, the transition may be gradual.										SPT auton	hatic hammer
						- H		NG ST				6-27-14
WL	¥ None         WS         ¥ None         1 hr AB         Terr           ¥         ¥         ¥         Y			7	זר	٦ŀ	BOR RIG	NG CO				6-27-14
WL									-		OREMA	
VVL							APP	ROVED	ו אי כ	∠R∣ ]	OB #	07095097

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8:52:45

CL	ENT									P	age 1 of
	Alfred Benesch & Co.	000		-							
SIT	E Moline, Illinois	PRO	JEC		Sign	81:	ane l Iti	ilizatio	on Str	uctures	
	Boring Location: Sta: 130+50, 0' RT					/PLES		Luit		TESTS	
	Latitude: 555485.13 N, Longitude: 2462313.74 E									_	
GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	NUMBER	ц	RECOVERY, in.	SPT - N ** BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf	RIMAC (psf)
ЧG	Approx. Surface Elev.: 671.8 ft	DEI	NSI	NN	ТҮРЕ	RE	SP <sup>-</sup>	8 C M	DR	STE	RIN
$\otimes$	0.25 Approx. 3" Root Zone 671.6	_			PA						
*	2.5 Dark Brown and Brown-Gray669.3	_		1	SS	15	13	20			
	FAT CLAY	-		_	PA		_				
	Gray Medium Stiff	5—	СН	2	SS	15	7	39			
		_	СН	3	PA SS	18	6	26			
		_			PA						
	Stiff at Sample 4	=	СН	4	SS	18	9	21			
		10-		4		10	3	21			
			1		PA						
	13 $\bigtriangledown$ 658.8	_	1								
	LEAN TO FAT CLAY, With sand, trace	=	CL	5	SS	18	11	15			
	gravel Gray	15	СН	<u> </u>	PA	. •					
	Stiff	=	1								
		_	1								
	Very stiff below about 18½ feet	=	CL	6	SS	18	26	17			
		20	СН	-	PA						
		_	1								
	Sandy below about 23 feet	_									
	Sanuy below about 25 leet		CL	7	SS	18	25	13			
		25—	СН		PA						
		=	1								
		=		_	0.0	10					
	30 641.8	30-	CL CH	8	SS	18	22				
	BOTTOM OF BORING	50									
betv	stratification lines represent the approximate boundary lines veen soil and rock types: in-situ, the transition may be gradual.									*Pocket I PT auton	Penetrom natic ham
	TER LEVEL OBSERVATIONS, ft				- F		ING ST				6-27
NL			-				ING CO				6-27-
NL		عال	_L	J		RIG		3	5E F	OREMA	N I
NL						APP	ROVED	o Wł	KB J	OB #	070950

CLI	ENT										age 1 of
	Alfred Benesch & Co.	000		-							
SIT	⊢ Moline, Illinois	PRO	JEC		Sign	21	nno Litti	lizatio	nn Str	uctures	
	Boring Location: Sta: 130+50, 66' LT					APLES		Inzau	511 511	TESTS	
	Latitude: 555528.70 N, Longitude: 2462363.37 E										
g			Ы			.⊑		%	H	psť	
5	DESCRIPTION	÷	SYMBOL	~		RΥ	; #	Ľ.	≤ ⊢	ITHE I	(Jsd
Ē		Τ,	ss	BEF		OVE	N S	影響	N	ENG NG	C (I
GRAPHIC LOG	Approx. Surface Elev.: 672.4 ft	DEPTH, ft.	USCS (	NUMBER	TYPE	RECOVERY, in.	SPT - N ** BLOWS / ft.	WATER CONTENT, 9	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf	RIMAC (psf)
-	0.333 Approx. 4" Root Zone 672.1			~	PA		0,8	20	00	50	
***	2 FILL-SILTY CLAY, Trace organics 670.4	_	CL	4	SS	18	11	19			
	Dark Brown to Brown	-	ML	1		10		19			
	<u>SILTY CLAY</u> Dark Brown and Dark Gray	_	CL	2	PA SS	15	7	23			
	Medium Stiff	5-	ML		PA						
	6 666.4 666.4	_	СН	3	SS	18	5	28			
	Gray	_	-		PA						
	Medium Stiff		СН	4	SS	18	8	19			
		10-			PA						
		=			PA						
	13 $\bigtriangledown$ 659.4	_									
	SANDY LEAN TO FAT CLAY, Trace	_	CL	5	SS	18	9	17			
	gravel Brown and Gray	15-	CH	5		10	9	17			
	Stiff	_			PA						
$\langle \rangle \rangle$		_									
$\parallel  ho$	Very stiff below about 18 feet	_	0	_		10		10			
$\parallel h$		20-	CL	6	SS	18	29	12			
$\langle \rangle \rangle$		20			PA						
		=									
$\parallel h$		=									
			CL CH	7	SS	18	29	13			
	X	25-	011		PA						
$\parallel h$	_	=									
		-	1								
	30 642.4		CL	8	SS	18	29	14			
	BOTTOM OF BORING	30 —									
The betw	stratification lines represent the approximate boundary lines een soil and rock types: in-situ, the transition may be gradual.						**	CME 14	40 lb. S	*Pocket F PT autom	Penetrome natic hami
WA	TER LEVEL OBSERVATIONS, ft				Т	BOR	ING ST	TARTE	ED		6-27-
WL	I I WS I 26 ½ hr AB					BOR	ING CO	OMPL	ETED		6-27-
WL	¥ 13 WS ¥ 26 ½ hr AB ¥ ¥ IIIIIIII			Jľ	11	RIG		3	5E F	OREMA	N I
WL					- 1		ROVED				070950



	engineers - scientists - planners 312-565-0450 Job No. 10061.04								
FILE NAME = D2CONCD-AB-SHT-Stop Structures dop	USER NAME = ksnider	DESIGNED - KJN	REVISED -		OVERHEAD SIGN STRUCTURES	RTE. SECTION COUNTY TOTAL SHEET S			
BECOMED HE SHIT SIGNES & BE WI ESTOGHT		CHECKED - AWH	REVISED -	STATE OF ILLINOIS	SOIL BORING LOGS	74 (81-1)R-1 & 81-1(HBR, HBR-1, HBR-2) ROCK ISLAND 2042 841			
NODEL	PLOT SCALE =	DRAWN - KMS	REVISED -	DEPARTMENT OF TRANSPORTATION	SUIL BURING LUGS	CONTRACT NO. 64E26			
OSS-30	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO. 30 OF 30 SHEETS	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

	SUMMARY OF ITS QUANTITIES			
Pay Code	Item	Unit	Estimated Total	As Built Quan
733Ø16ØØ	OVERHEAD SIGN STRUCTURE - BUTTERFLY, TYPE I-B-A	FOOT	14.6	
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	6	
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	13905	
81400100	HANDHOLE	EACH	26	
X814Ø1Ø5*	HANDHOLE (SPECIAL)	EACH	3	
81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	12070	
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1235	
XØ325482*	REMOVE EXISTING ITS EQUIPMENT	EACH	19	
XØ326263*	EQUIPMENT CABINET	EACH	3	
XØ327748*	REMOVE AND REPLACE ITS EQUIPMENT	EACH	1	
#2000329*	MVDS COMM CABLE, INSTALL ONLY	FOOT	3030	
#2ØØØ33Ø*	MVDS POWER CABLE, INSTALL ONLY	FOOT	1515	
#2ØØØ333*	POWER CONNECTION TO EXISTING METER	EACH	2	
#2000334*	45 FT STEEL ITS POLE, BLACK PAINTED	EACH	1	

\* NON-STANDARD PAY ITEM - SEE SPECIAL PROVISIONS

HH8-2 HH8-1	FIELD VERIFY			Coil	Power Coll	MVDS COMM Cable Coil	MVDS POWER Cable Coll
HH8-1	LIELD VERIET	LOCATION	EXISTING HANDHOLE				
	59+78	111 LT	HANDHOLE				
	65+51	110 LT	HANDHOLE (SPECIAL)				
HH8-P3	65+61	109 LT	HANDHOLE	2×5FT			
HH8-P2	66+83	95 LT	HANDHOLE				
HH8-P1	66+97	114 RT	HANDHOLE	2×5FT			
HH7-4	71+07	88 LT	HANDHOLE				
HH7-3	72+00	88 LT	HANDHOLE				
HH7-2	84+2Ø	83 LT	HANDHOLE (SPECIAL)				
HH7-P1	84+2Ø	85 LT	HANDHOLE		3×5FT		
HH7-D2	84+2Ø	81 LT	HANDHOLE			2×5FT	1×5FT
	FIELD VERIFY	LOCATION	EXISTING HANDHOLE		3x5FT		
HH7-1	84+00	103 RT	HANDHOLE				
HH7-D1	83+93	103 RT	HANDHOLE			2×100FT	1×100FT
HH6-4	89+33	138 RT	HANDHOLE				
HH6-3	89+38	83 RT	HANDHOLE				
HH6-2	97+35	151 RT	HANDHOLE				
HH6-1	97+83	77 RT	HANDHOLE				
HH6-D2	98+88	121 LT	HANDHOLE			2×100FT	1×100FT
HH6-D1	99+34	128 RT	HANDHOLE				
HH5-D1	106+69	176 RT	HANDHOLE			2×5FT	1×5FT
HH5-3	106+74	181 RT	HANDHOLE (SPECIAL)				
HH5-2	108+53	191 RT	HANDHOLE				
HH5-1	113+47	238 RT	HANDHOLE				
HH4-3	129+29	138 RT	HANDHOLE				
HH4-2	129+38	73 LT	HANDHOLE				
HH4-1	130+34	73LT	HANDHOLE				
HH3-3	135+10	69 LT	HANDHOLE				
HH3-2	136+51	69 LT	HANDHOLE				
HH3-1	145+92	69 LT					
HH2-1	156+03	67 LT					
HH1-1E* F	FIELD VERIFY	LOCATION	EXISTING HANDHOLE				

ITS DELIVERY AND STOCKPILING								
Item Description	Quantity	Units	Delivery Location	Contact Name & Number	Remarks			
DELIVER ITS CABINET AND APPURTENANCES TO IOWA DOT	5	EACH	Iowa DOT Davenport Maintenance Shop 8721 Northwest Blvd, Davenport, IA 52809	Scott Kullerstrand 815-284-5468				
DELIVER AUTOMATED GATES, SIGN PANELS, AND APPURTENANCES TO IOWA DOT	1	EACH						
REMOVE HANDHOLES AND APPURTENANCES. DELIVER TO TO IOWA DOT IF REQUESTED.	13	EACH						

Conduit	Loca	ation	Conduit	2" HDPE	Conduit	Powe	er Cable	MVDS	Cable	Tracer Wire
Run	From	То	Length	Plowed	Bored	*4	EXISTING*	COMM	POWER	#12
8I	ITS CABINET 4J	SIGN FOUNDATION	10	1		3				1
8H	HH8-1	ITS CABINET 4J	1Ø	1		3				
8G	HH8-P3	HH8-P2	135	1		3				
8F	HH8-P2	HH8-P1	24Ø		1	3				
8E	HH8-P1	POWER SOURCE	1Ø	1		3				
8D	HH9-1E	HH8-2	1040	1						1
8C	HH8-2	HH8-1	565		1					1
8B	HH8-1	ITS CABINET 4J	1Ø	1						1
8A	HH8-1	HH7-4	545	1						1
7I	ITS CABINET 3J	SIGN FOUNDATION	1Ø	2						2
7H	HH7-P1	HH7-P2E	125	1			3			
7G	ITS CABINET 3J	HH7-D2	20	1				2	1	
7F	HH7-D2	HH7-D1	180		1			2	1	
7E	HH7-D1	LIGHT POLE	20	1				2	1	
7D	HH7-4	HH7-3	100		1					1
7C	HH7-3	HH7-2	118Ø	1						1
7B	HH7-2/HH7-P1	ITS CABINET 3J	2Ø	2			3			1
7A	HH7-2	HH7-1	180		1					1
6F	HH6-D2	LIGHT POLE	2Ø	1				2	1	
6E	HH6-D2	HH6-D1	255		1			2	1	
6D	HH7-1	HH6-4	545	1						1
6C	HH6-4	HH6-3	60		1					1
6B	HH6-3	HH6-2	825	1						1
6A	HH6-2	HH6-1	90		1					1
5G	HH6-D1	HH5-D1	78Ø	1				2	1	
5F	HH5-D1	POLE FOUNDATION	20	1				2	1	
5E	HH6-1	HH5-3	94Ø	1						1
5D	HH5-3	FTC 1Ø1	20	1						1
5C	HH5-3	POLE FOUNDATION	2Ø	1						1
5B	HH5-3	HH5-2	18Ø		1					1
5A	HH5-2	HH5-1	51Ø		1					1
4C	HH5-1	HH4-3	1610	1						1
4B	HH4-3	HH4-2	210		1					1
4 A	HH4-2	HH4-1	100		1					1
3C	HH4-1	HH3-3	480	1						1
ЗB	HH3-3	HH3-2	145		1					1
ЗA	HH3-2	HH3-1	960	1						1
2A	HH3-1	HH2-1	1020	1						1
1B	HH2-1	HH1-1E	685	1						1
1 A	HH1-1E	ITS CABINET 1J	15							

LISTING OF ITS CABINET WORK								
Cabinet Label	Sheet Number	Cabinet Size	Pole Mount	Pad Mount				
CABINET 4J	ITS-05	36"×24"×17"		X				
CABINET 3J	ITS-06	36"x24"x17"		X				
CABINET 2J	ITS-Ø8	36"×24"×17"	Х					
FTC 1Ø1 (EXIST)	ITS-Ø8	UNKNOWN		Х				
CABINET 1J(EXIST)	ITS-12	UNKNOWN		Х				

INTELLIGENT TRANSPORTATION SYSTEM (ITS) PROJECT WORK SUMMARY THIS PROJECT INVOLVES FURNISHING AND INSTALLING ITS INFRASTRUCTURE. ITS WORK INCLUDES FURNISHING AND INSTALLING CONDUIT, HANDHOLES, CABINETS, ITT POLES, DMS SIGN STRUCTURES, AND ELECTRICAL CIRCUITS. ITS WORK ALSO INCLUDES INSTALLING MVDS CABLING, AND ITS REMOVALS AS SHOWN.

										ITS-01
	FILE NAME =	USER NAME = dmcclintock	DESIGNED - DJM	REVISED -			ITS PLANS AND DETAILS	F.A.I	SECTION	COUNTY TOTAL SHEET
T (ED	c:\pwise_work\do_not_delete\dms01359\D2P4	ACKCD-IT-sht-its100.sht	DRAWN - DJM	REVISED -	STATE OF ILLINOIS		ITS QUANTITIES	74	(81-1)R-1 & 81-1(HBR.	ROCK ISLAND 2042 842
LAYOU' DRAWN REVIEW		PLOT SCALE = NA	CHECKED - SPG	REVISED -	DEPARTMENT OF TRANSPORTATION				HBR-1, HBR-2)	CONTRACT NO. 64E26
RE		PLOT DATE = 3/22/2017	DATE - 3/23/2017	REVISED -		SCALE: NA	SHEET NO. 8420F 2042SHEETS STA. TO STA.		ILLINOIS FED.	AID PROJECT



# PROJECT DESCRIPTION

GENERAL NOTES	GENERAL NOTES
CONTRACTOR'S BID SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIAL ESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL ITS INSTALLATION IN IFORMANCE WITH THE PLANS AND SPECIFICATIONS.	15. LINEAR MEASUREMENTS ARE TAKEN BETWEEN POLE BASE, AND HANDHOLE CENTERS AND DO NOT INCLUDE ALLOWANCES FOR VERTICAL RISES OR SPLICES
PLAN LOCATIONS OF UNDERGROUND UTILITIES, WHEN SHOWN, ARE PROXIMATE ONLY. IN ADDITION, A PORTION OF UTILITY INFORMATION MAY HAVE BEEN PROVIDED. ALL UTILITIES SHALL BE LOCATED AND MARKED OR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITACTING UTILITIES AND LOCATOR SERVICES AND SCHEDULING THE ATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ALSO ITACT ANY AND ALL UTILITIES AND LOCAL GOVERNMENT AGENCIES NOT TTICIPATING IN LOCATION SERVICES.	<ul> <li>16. MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE "2016 ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" PLUS CURRENT SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVSIONS.</li> <li>17. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ANTICIPATE, COMMUNICATE, AND COORDINATE THIS WORK WITH ADJACENT CONSTRUCTION PROJECTS THAT INCLUDE BUT ARE NOT LIMITED TO ADJACENT ROADWAY PROJECTS.</li> </ul>
PPOSED ITS EQUIPMENT LOCATIONS ARE APPROXIMATE AND MAY REQUIRE DIFICATION TO AVOID CONFLICTS WITH UNDERGROUND UTILITES OR OTHER TRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TERMINE ANY CONFLICTS WITH EXISTING UTILITIES AT SITES IN THE FIELD OR TO INITIATION OF CONSTRUCTION AT THAT SITE. AS THE CCTV AND ISOR LOCATIONS ARE LOCATION SENSITIVE, THE CONTRACTOR SHALL EIVE WRITTEN APPROVAL FROM THE ENGINEER PRIOR TO REVISING THE IN LOCATION OF ANY CONDUIT, POLES, FOUNDATIONS, OR CABINETS.	<ul> <li>18. ALL HANDHOLE LIDS SHALL BE LABELED. HANDHOLES FOR FIBER OPTIC COMMUNICATIONS SHALL BE LABELED 'FIBER OPTIC'. HANDHOLES FOR ITS POWER SHALL BE LABELED 'ELECTRICAL'.</li> <li>19. POWER IS PROVIDED BY MIDAMERICAN ENERGY AND DESIGN REQUIRES 120/240V SERVICE FROM EXISTING METERS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE THE NECESSARY CONTACTS WITH THE UTILITY COMPANY WITH REGARD TO WORK RELATED TO THE EXISTING METERS.</li> </ul>
AND ALL IMPROVEMENTS SUCH AS ASPHALT OR CONCRETE PAVEMENTS, BS, GUTTERS, WALKS, DRAINAGE DITCHES, CULVERTS, DRAIN TILES, BANKMENTS, SHRUBS, TREES, GRASS, SOD, ETC., IF DAMAGED, SHALL BE TORED TO PRE-CONSTRUCTION CONDITIONS (OR BETTER) AS DIRECTED BY E ENGINEER.	
SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR EXISTING IDUIT, CONDUCTORS, OR OTHER FACILITIES DAMAGED DURING CONSTRUCTION. EXISTING INFRASTRUCTURE REMOVED OR DAMAGED BY THE CONTRACTOR LL BE REPLACED IN KIND BY THE CONTRACTOR, WITH NO ADDITIONAL IPENSATION.	
CONTRACTOR SHALL NOT DISTURB ANY EXISITING UTILITIES EXCEPT AS CIFICALLY DEFINED WITHIN THE SCOPE OF WORK FOR THIS CONTRACT. RE WORK AFFECTS OR IS AFFECTED BY THE EXISTING UTILITIES, THE RK SHALL BE COORDINATED WITH THE UTILITY COMPANY AND/OR OWNER. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE DOT.	
ITY COMPANIES WHOSE FACILITIES ARE SHOWN ON THE PLANS OR KNOWN BE WITHIN THE CONSTRUCTION LIMITS SHALL BE NOTIFIED BY THE ITRACTOR OF THE STARTING CONSTRUCTION DATE.	
CONDUIT SHALL BE PLACED AT A 48 INCH MINIMUM COVER UNLESS RWISE SPECIFIED ON THE PLANS.	
CONTRACTOR SHALL BORE UNDER ANY EXISTING ASPHALT OR CONCRETE MENT, RAILROAD, OR OTHER STRUCTURE.	
CONTRACTOR SHALL PLOW ALL CONDUIT WHERE EXISTING CONDITIONS DW UNLESS OTHERWISE SPECIFIED ON THE PLANS. THE CONTRACTOR MAY E IN LIEU OF PLOWING AT THE CONTRACTOR'S EXPENSE.	
MINIMUM BENDING RADIUS OF CONDUIT AND MULTIDUCT SYSTEMS SHALL THE LARGER OF THE FIBER OPTIC CABLE MANUFACTURER'S RECOMMENDATION NATIONAL ELECTRIC CODE (NEC) REQUIREMENTS. ALL CONDUIT SWEEP RADII LL BE GREATER AND/OR EQUAL TO 15 INCHES.	
WIRING AND GROUNDING SYSTEMS SHALL BE IN ACCORDANCE WITH THE IONAL ELECTRIC CODE.	
PROJECT DOES NOT INCLUDE PURCHASING, OR INSTALLTION OF ANY RAS, SENSORS, DYNAMIC MESSAGE SIGNS, OR OTHER ITS DEVICES.	

EWED	FILE NAME = c:\pwise_work\do_not_delete\dms01359\D		DESIGNED - DJM DRAWN - DJM CHECKED - SPG	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS PLANS AND ITS GENERAL			
REVI		PLOT SCALE = NA PLOT DATE = 3/21/2017	DATE - 3/23/2017	REVISED - REVISED -		SCALE: NA	SHEET NO. 8430F 2042SHEETS S		

LAYOUT DRAWN REVIEWED

# ITS LEGEND

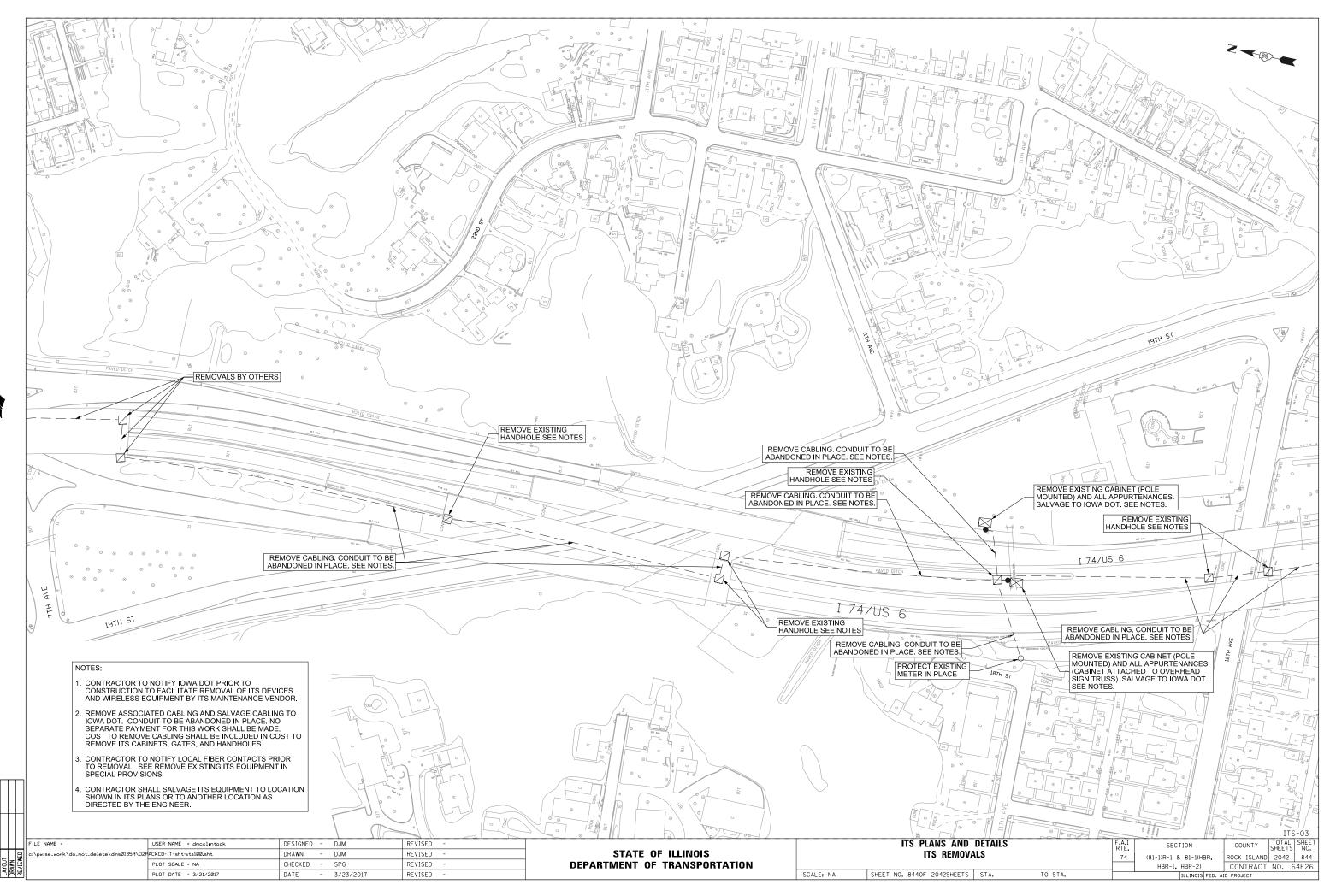
## INFRASTRUCTURE

- — — —	PLOWED CONDUIT
	BORED CONDUIT
	FIBER TERMINATION CABINET
	CABINET
•	DYNAMIC MESSAGE SIGN (Structure only)
ullet	45 FOOT ITS POLE
	HANDHOLE (COMM)
Ø	HANDHOLE (POWER)
Ø	POWER SOURCE
⋳	METER PEDESTAL

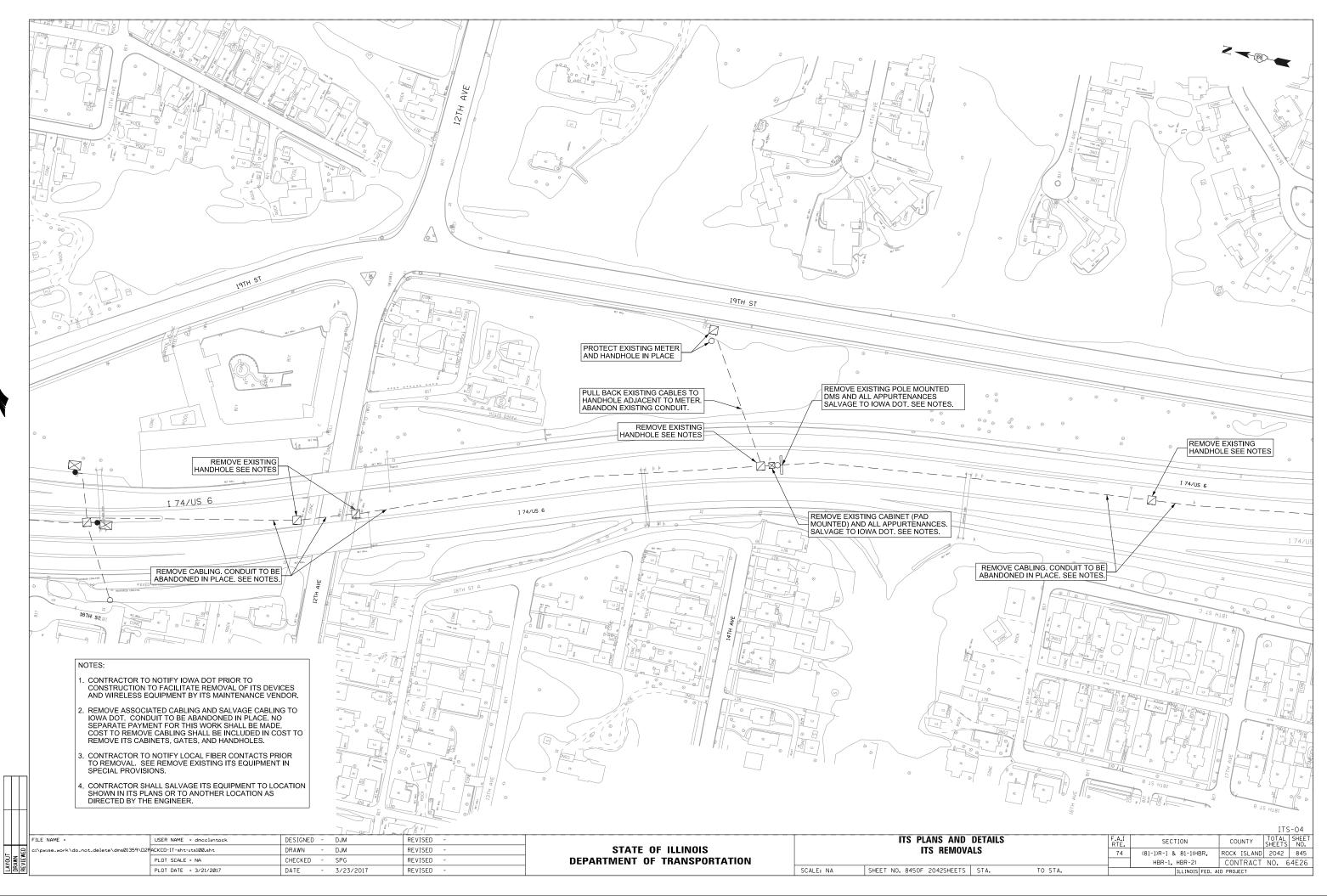
	DEVICES*
)	MOTOR VEHICLE DETECTOR Sensor (MVDS)
	ITS CLOSED CIRCUIT TELEVISION CAMERA (CCTV)
O_DMS_O	EXISTING OVERHEAD DMS SIGN

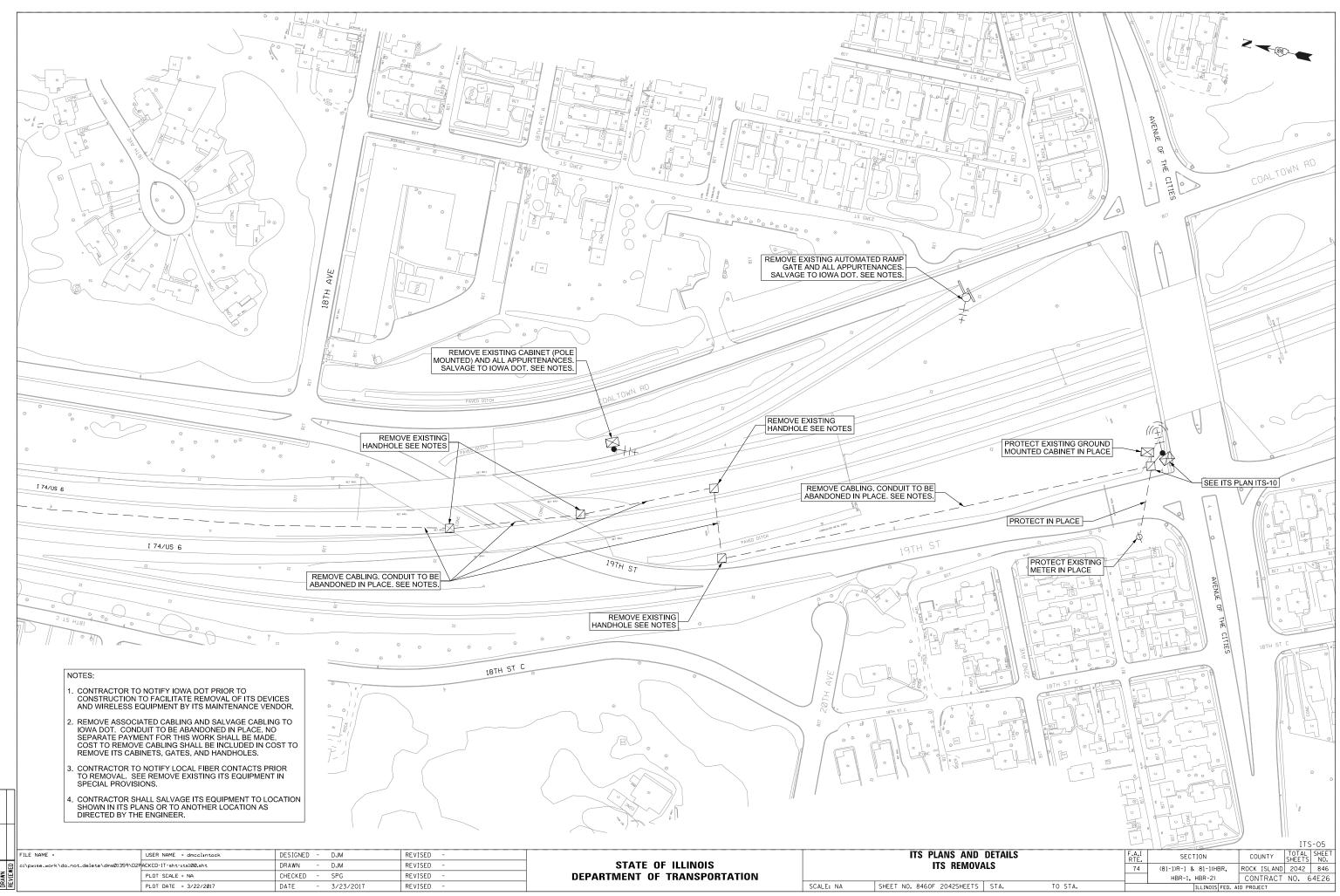
\*SEE NOTE 14.

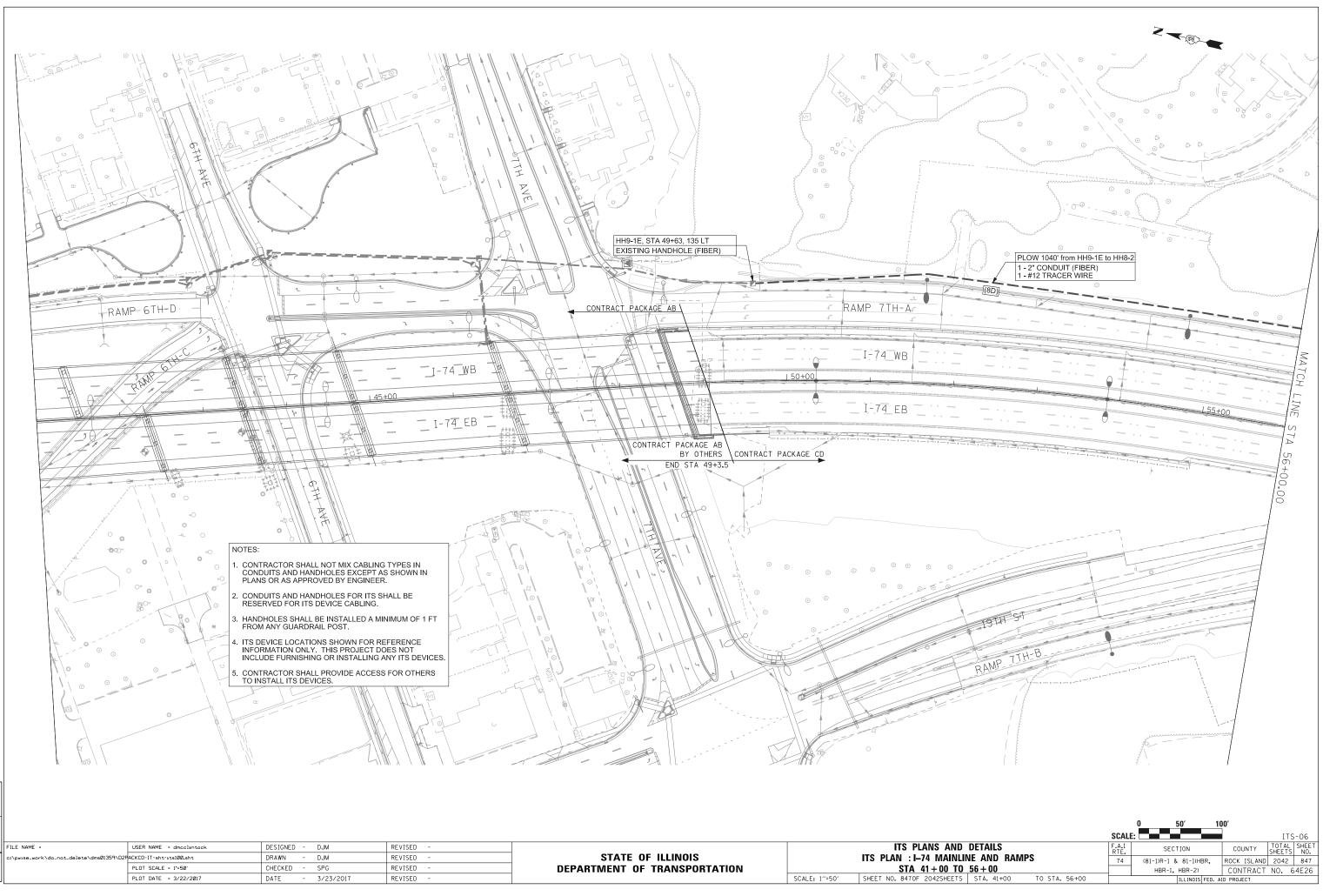
						ITS	5-02
	DETAILS		F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N	IOTES		74	(81-1)R-1 & 81-1(HBR,	ROCK ISLAND	2042	843
				HBR-1, HBR-2)	CONTRACT	NO. 6	4E26
S	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



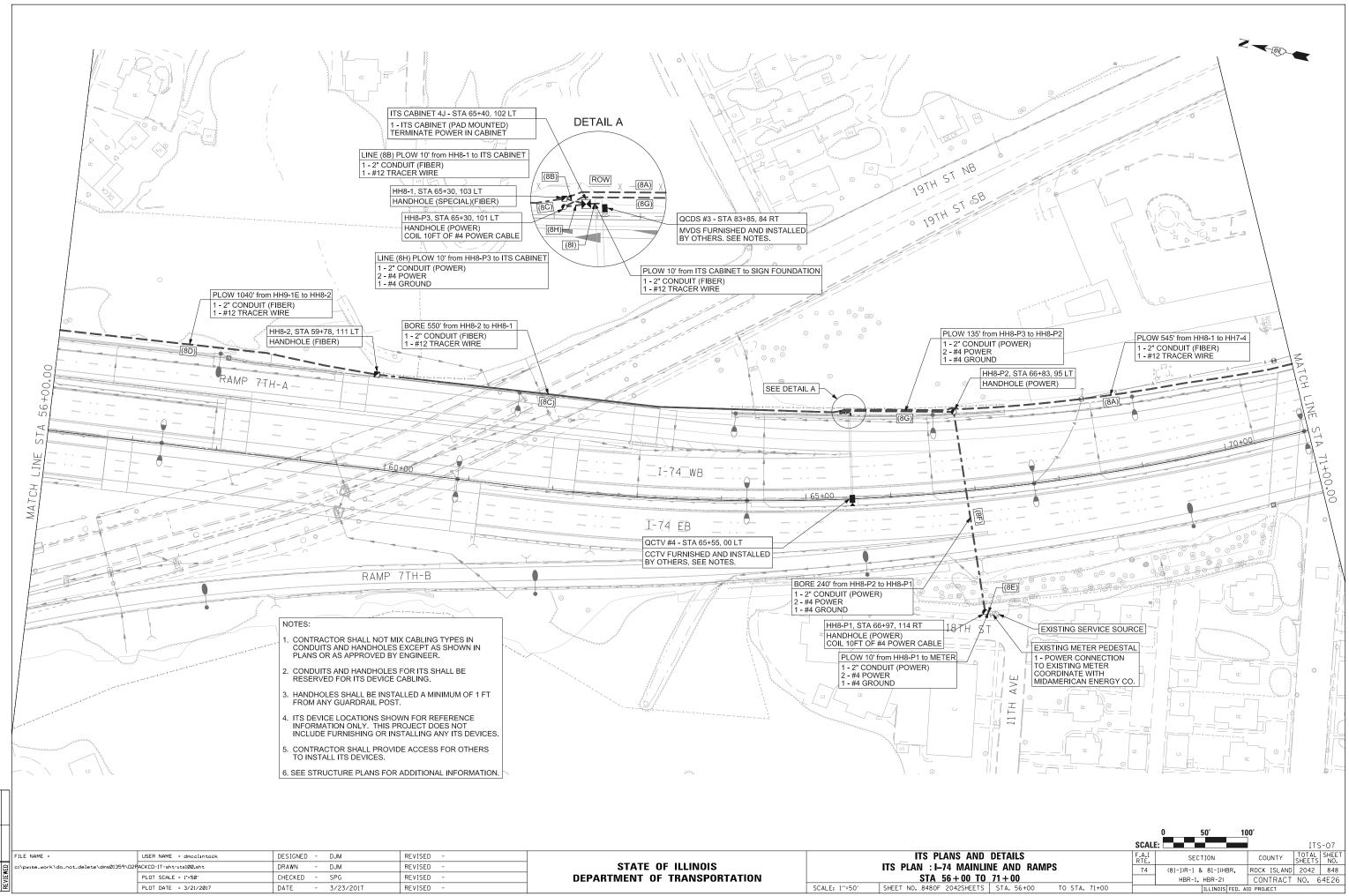
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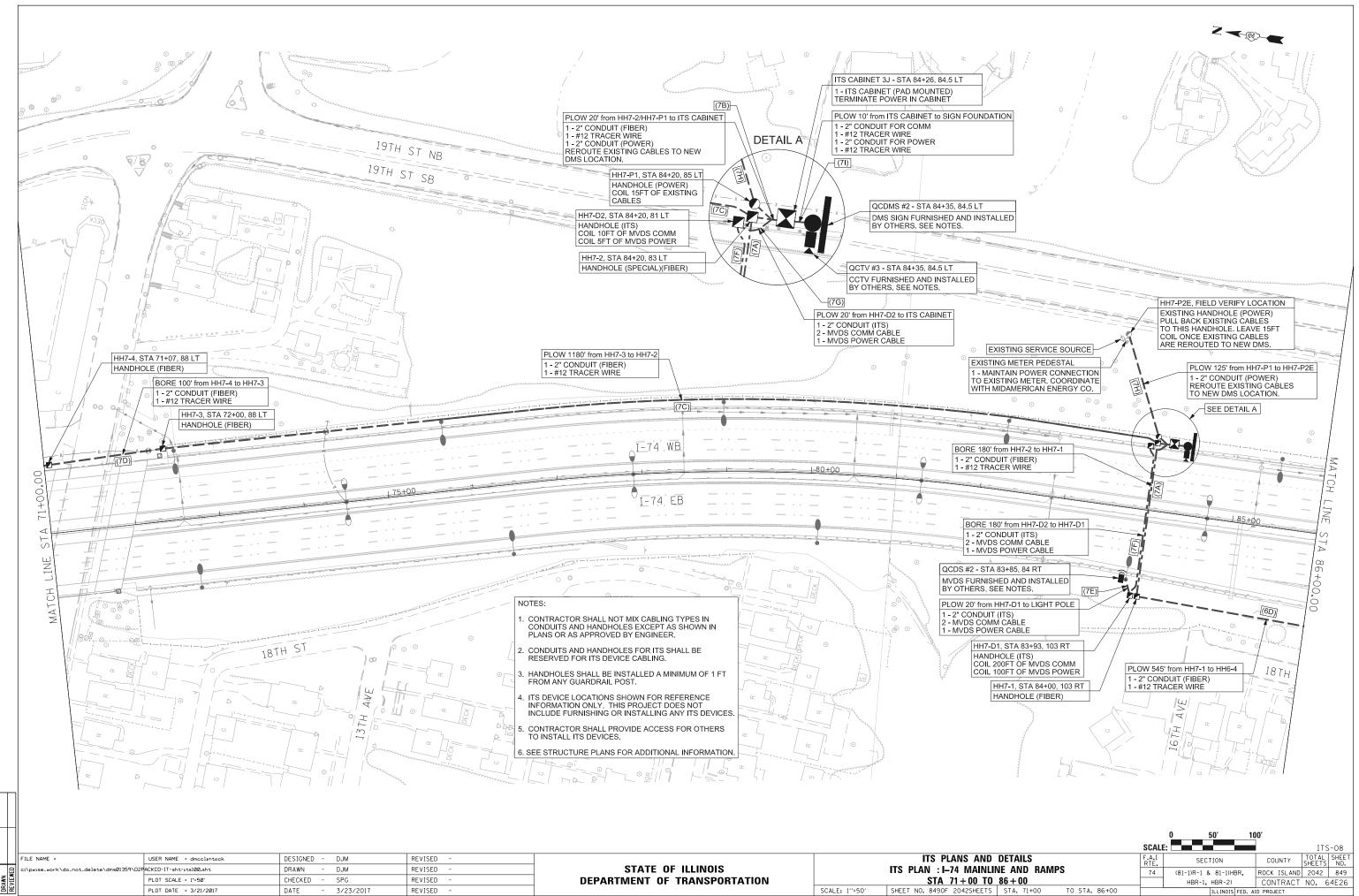




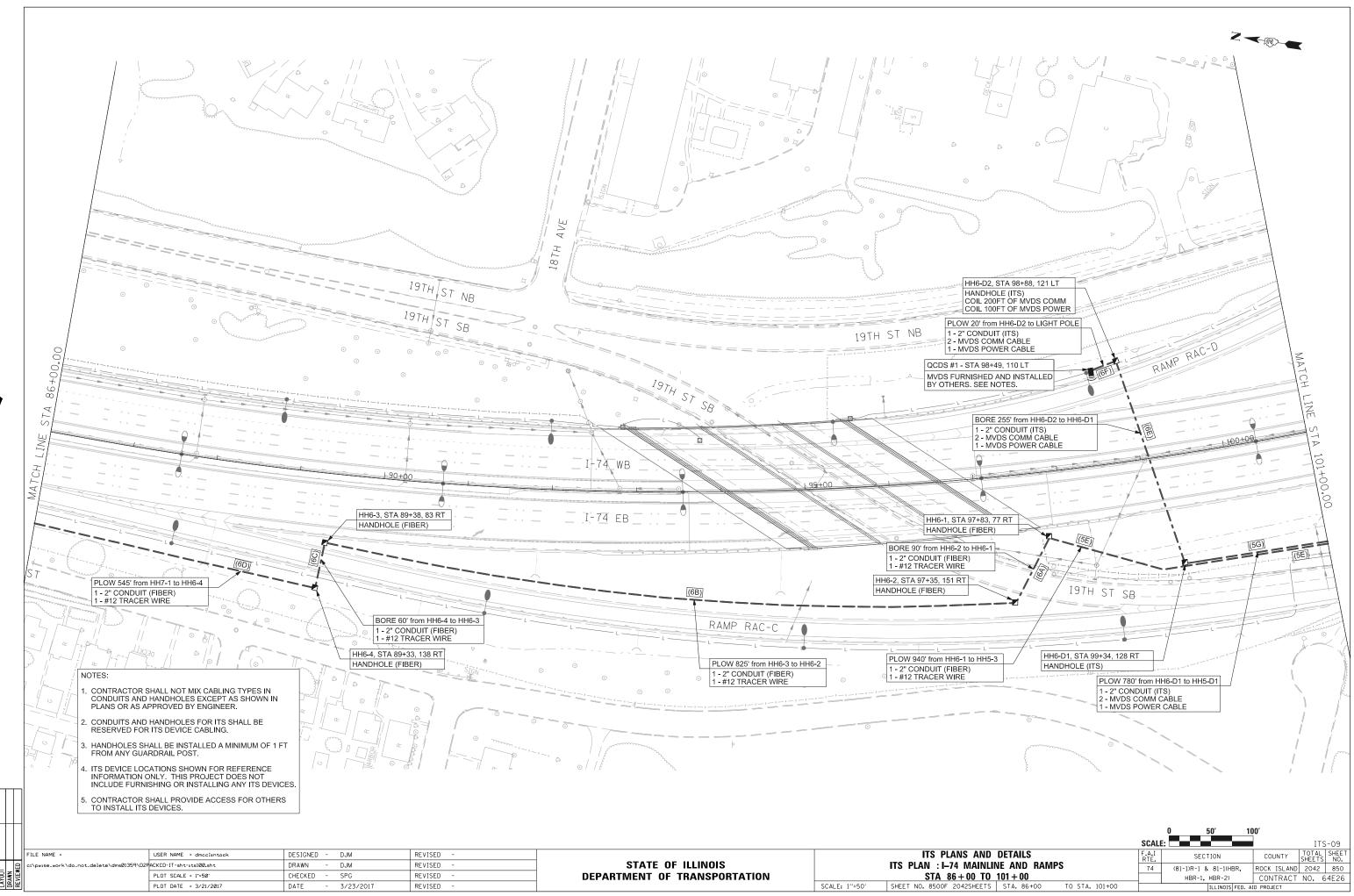
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	g) «	:\pwise_work\do_not_delete\dms01359\D2P	ACKCD-IT-sht-its100.sht	DRAWN -	DJM	REVISED -	STATE OF ILLINOIS		ITS PLAN : I-74 MAINLIN
LAYOUT DRAWN DEVIEWER	E I		PLOT SCALE = 1"=50'	CHECKED -	SPG	REVISED -	DEPARTMENT OF TRANSPORTATION		STA 41+00 TO
<b>Z</b>	۳ſ		PLOT DATE = 3/22/2017	DATE -	3/23/2017	REVISED -		SCALE: 1"=50'	SHEET NO. 8470F 2042SHEETS

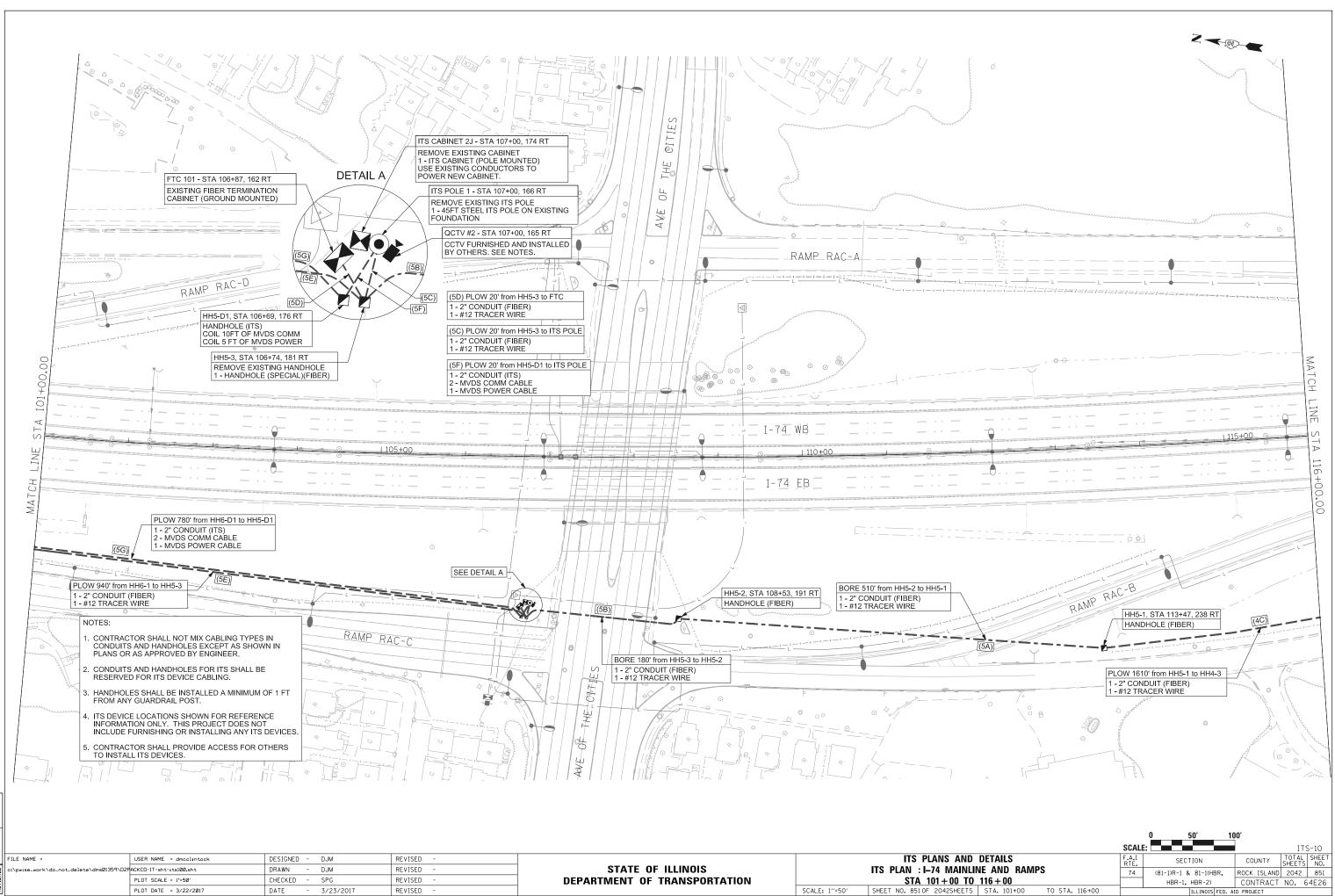


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LAYOUT	Į.		PLOT SCALE = 1"=50'	CHECKED -	SPG	REVISED -	DEPARTMENT OF TRANSPORTATION		STA 56+00 TO
R			PLOT DATE = 3/21/2017	DATE -	3/23/2017	REVISED -		SCALE: 1"=50"	SHEET NO. 8480F 2042SHEETS

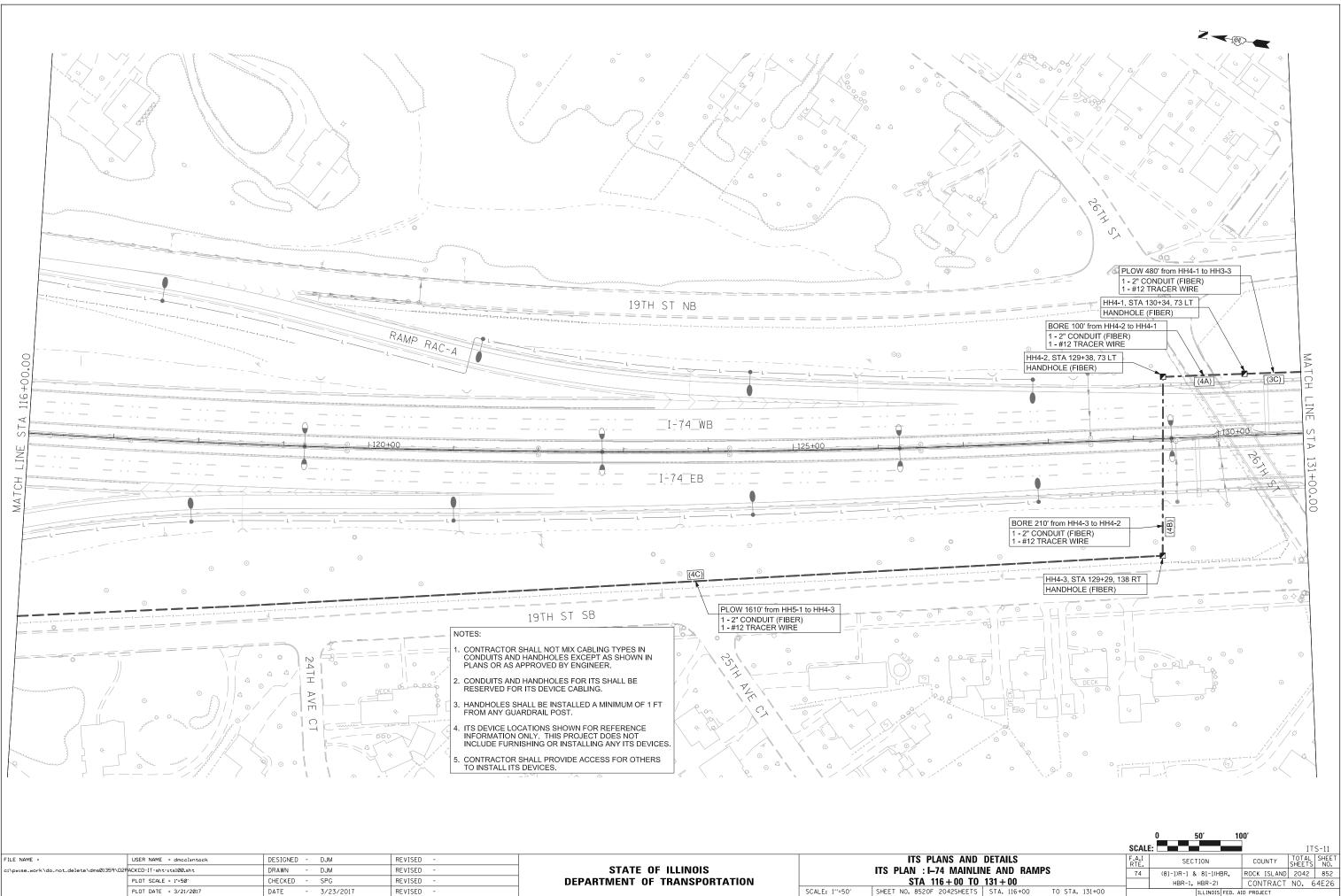


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_	B	c:\pwise_work\do_not_delete\dms01359\D2F	ACKCD-IT-sht-its100.sht	DRAWN -	DJM	REVISED -	STATE OF ILLINOIS		ITS PLAN : I-74 MAINLIN
LAYOUT			PLOT SCALE = 1"=50'	CHECKED -	SPG	REVISED -	DEPARTMENT OF TRANSPORTATION		STA 71+00 TO
PR BR	s æ		PLOT DATE = 3/21/2017	DATE -	3/23/2017	REVISED -		SCALE: 1"=50'	SHEET NO. 8490F 2042SHEETS

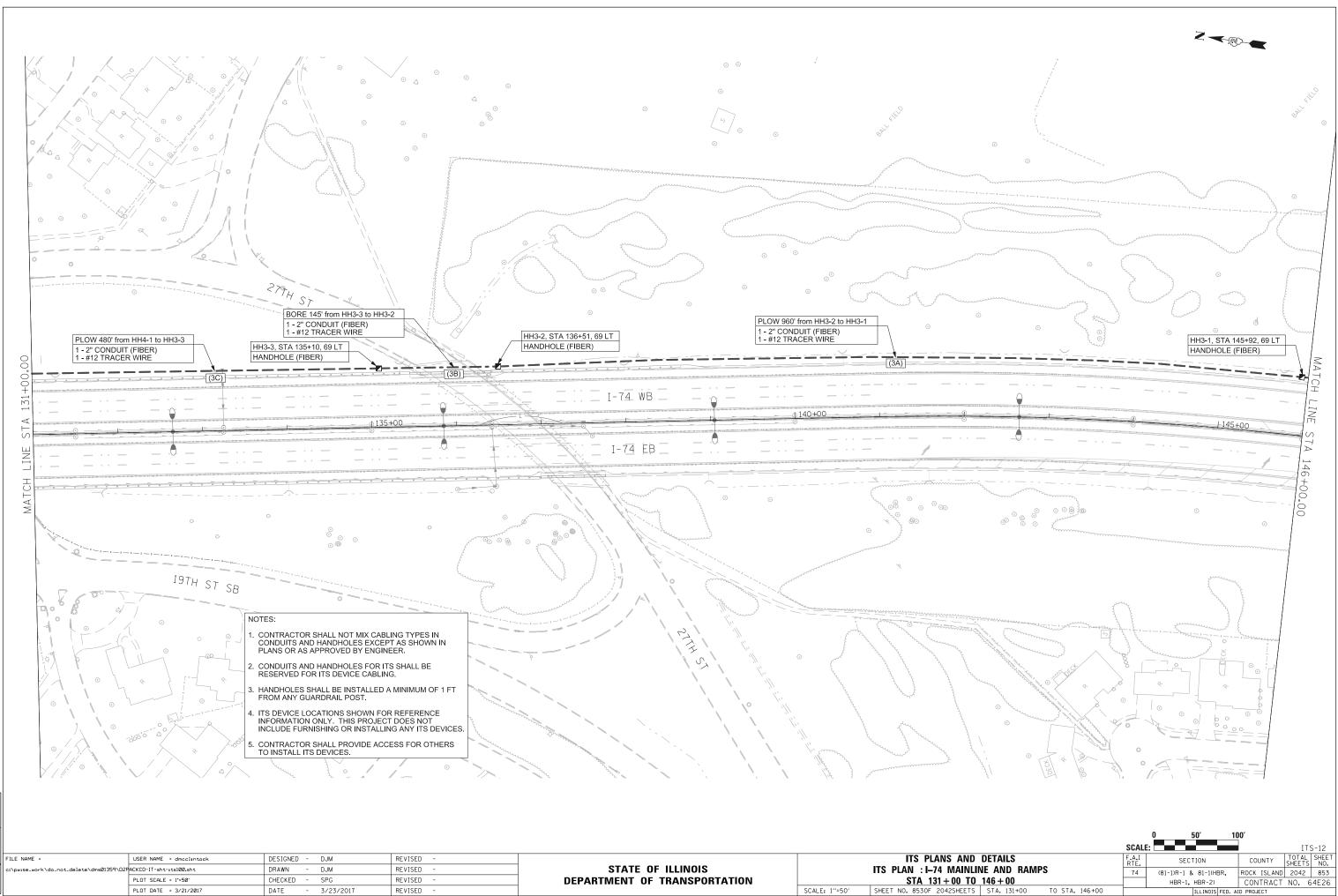




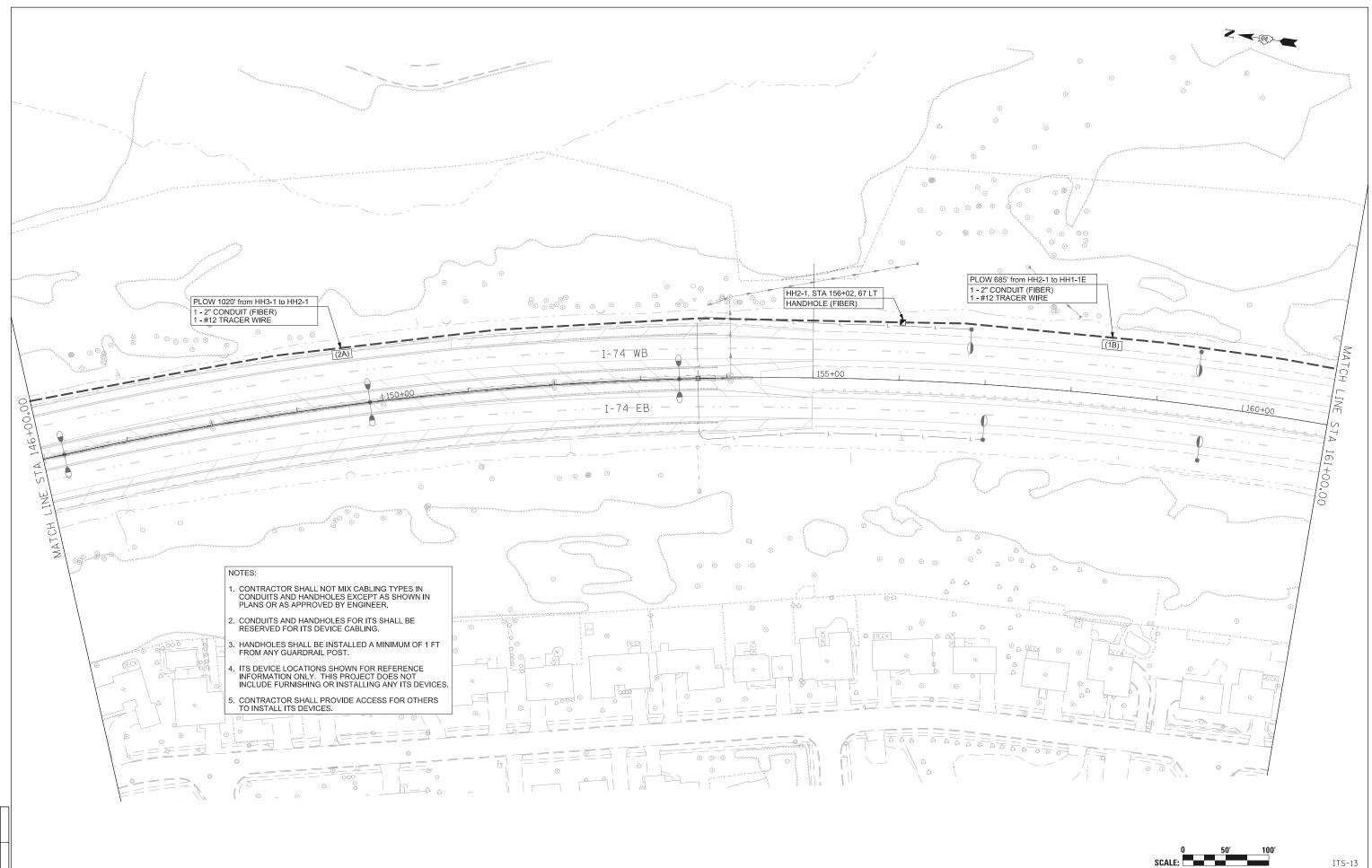
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	c:\pwise_work\do_not_delete\dms01359\D2P	ACKCD-IT-sht-its100.sht	DRAWN - DJM	REVISED -	STATE OF ILLINOIS		ITS PLAN : I-74 MAINLIN
, IEI		PLOT SCALE = 1"=50'	CHECKED - SPG	REVISED -	DEPARTMENT OF TRANSPORTATION		STA 101+00 TO 1
		PLOT DATE = 3/22/2017	DATE - 3/23/2017	REVISED -		SCALE: 1"=50'	SHEET NO. 851 OF 2042SHEETS



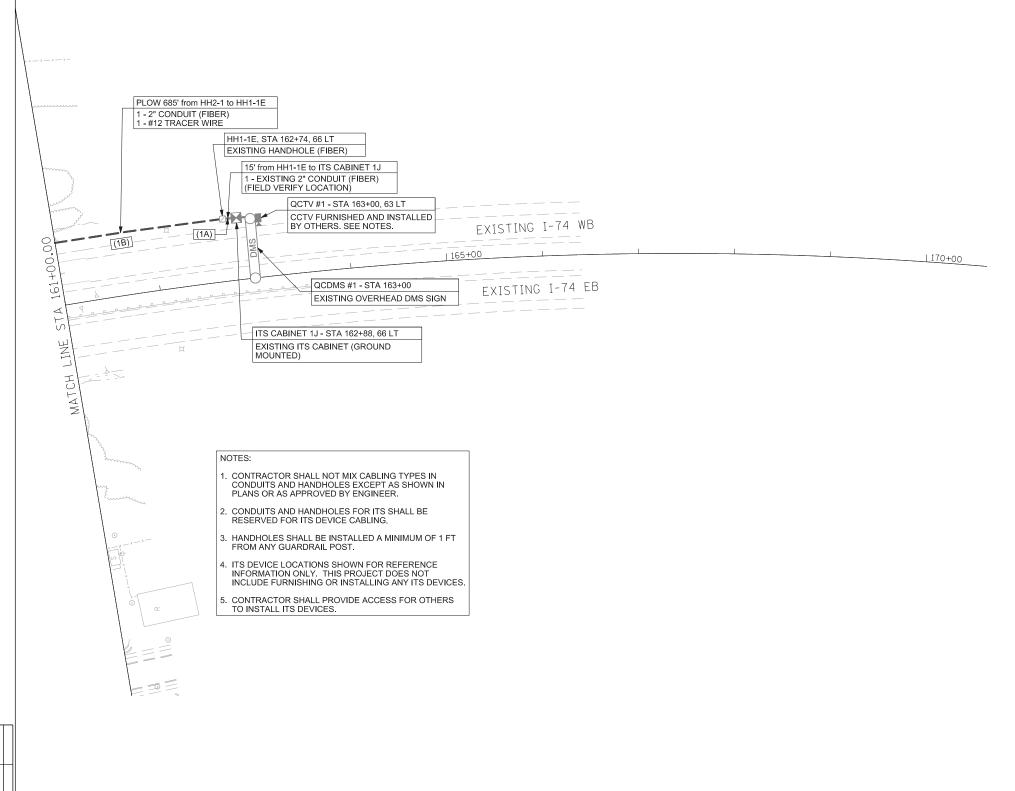
.B PLOT DATE = 3/21/2017 SCALE: 1"=50' DATE 3/23/2017 REVISED



		FILE NAME =	USER NAME = dmcclintock	DESIGNED - DJM	REVISED -			ITS PLANS AND D
		c:\pwise_work\do_not_delete\dms01359\D2P	ACKCD-IT-sht-its100.sht	DRAWN - DJM	REVISED -	STATE OF ILLINOIS		ITS PLAN : I-74 MAINLINE
LAYOUT			PLOT SCALE = 1"=50'	CHECKED - SPG	REVISED -	DEPARTMENT OF TRANSPORTATION		STA 131+00 TO 14
	Я.Ж		PLOT DATE = 3/21/2017	DATE - 3/23/2017	REVISED -		SCALE: 1"=50"	SHEET NO. 8530F 2042SHEETS

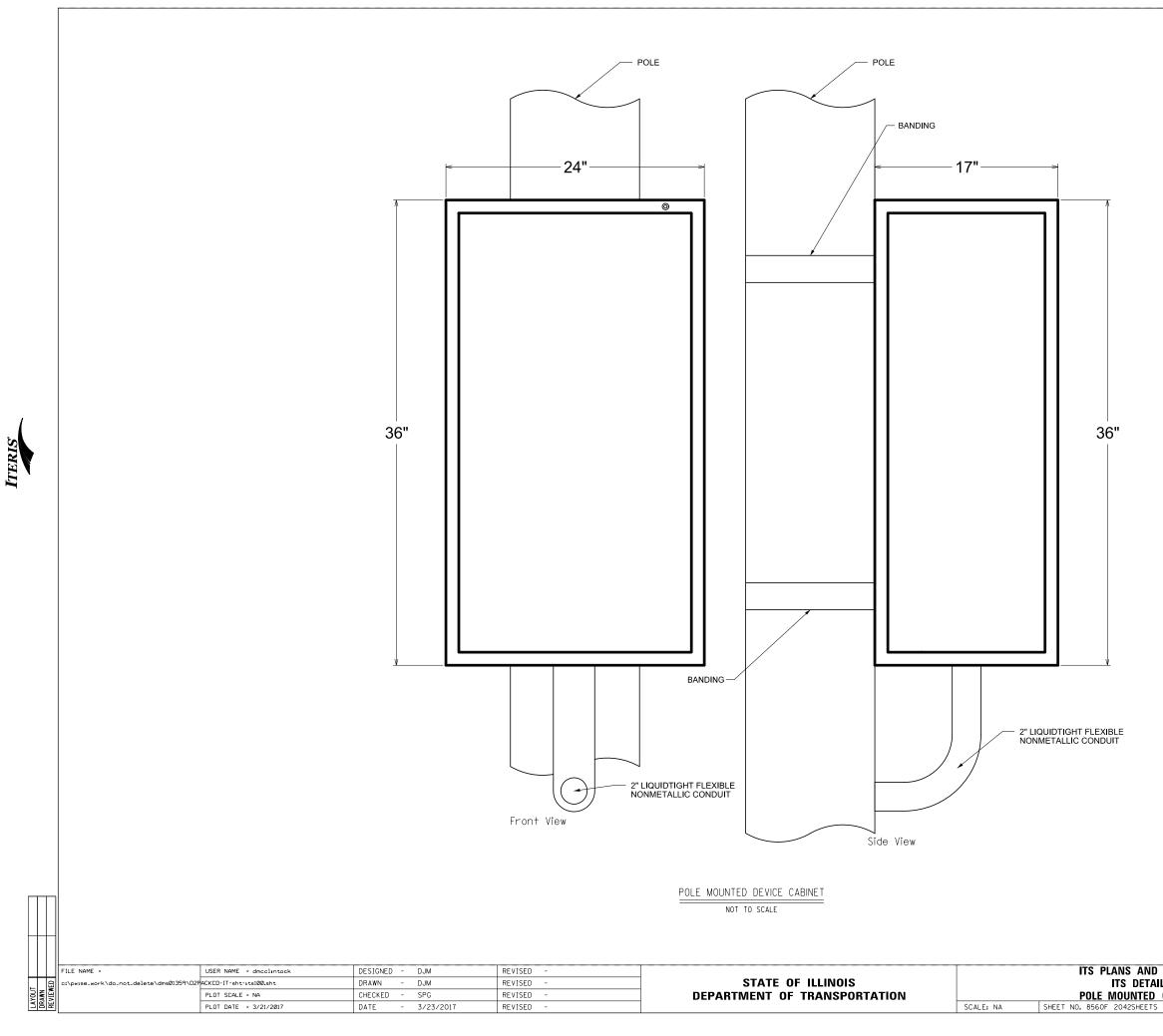


									SCALE:		ITS-13
	FILE NAME =	USER NAME = dmcclintock	DESIGNED -	DJM	REVISED -			ITS PLANS AND DETAILS	F.A.I RTF.	SECTION	COUNTY TOTAL SHEET
	C:\pwise_work\do_not_delete\dmsØ1359\D2P	ACKCD-IT-sht-1ts100.sht	DRAWN -	DJM	REVISED -	STATE OF ILLINOIS		ITS PLAN : I–74 MAINLINE AND RAMPS	74	(81-1)R-1 & 81-1(HBR.	ROCK ISLAND 2042 854
LAYOUT	A IEW	PLOT SCALE = 1"=50'	CHECKED -	SPG	REVISED -	DEPARTMENT OF TRANSPORTATION		STA 146 + 00 TO 161 + 00		HBR-1, HBR-2)	CONTRACT NO. 64E26
R	<u>ଅ</u>	PLOT DATE = 3/21/2017	DATE -	3/23/2017	REVISED -		SCALE: 1"=50'	SHEET NO. 8540F 2042SHEETS STA. 146+00 TO STA. 161+00		ILLINOIS FED. 4	ND PROJECT



								0 50' SCALE:	100'
	FILE NAME =	USER NAME = dmcclintock	DESIGNED -	DJM	REVISED -		ITS PLANS AND DETAILS	F.A.I SECTION	COUNTY TOTAL SHEET
		ACKCD-IT-sht-its100.sht	DRAWN -	DJM	REVISED -	STATE OF ILLINOIS	ITS PLAN : I-74 MAINLINE AND RAMPS	74 (81-1)R-1 & 81-1(HBR.	ROCK ISLAND 2042 855
LAYOU <sup>-</sup> DRAWN		PLOT SCALE = 1"=50'	CHECKED -	SPG	REVISED -	DEPARTMENT OF TRANSPORTATION	STA 161+00 TO 176+00	HBR-1, HBR-2)	CONTRACT NO. 64E26
R R		PLOT DATE = 3/21/2017	DATE -	3/23/2017	REVISED -		SCALE: 1"=50" SHEET NO. 8550F 2042SHEETS STA. 161+00 TO STA. 171+00	ILLINOIS FEF	AID PROJECT

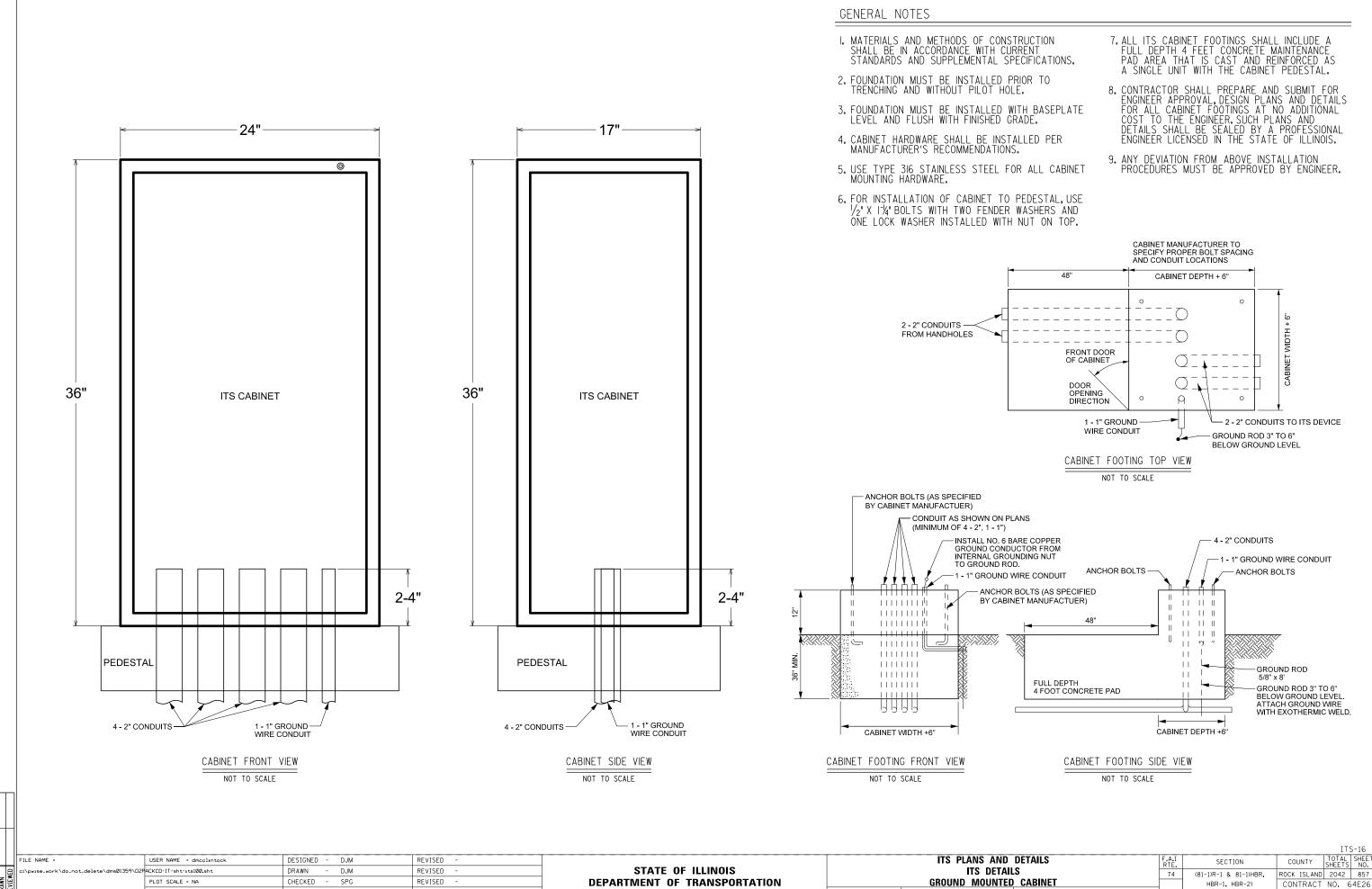




### GENERAL NOTES

- I. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT STANDARDS AND SUPPLEMENTAL SPECIFICATIONS.
- 2. CABINET HARDWARE SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- 3. USE TYPE 316 STAINLESS STEEL FOR ALL CABINET MOUNTING HARDWARE.
- 4. USE 3/4" WIDE AND 0.03" THICK BANDING FOR POLE MOUNTED CABINETS.

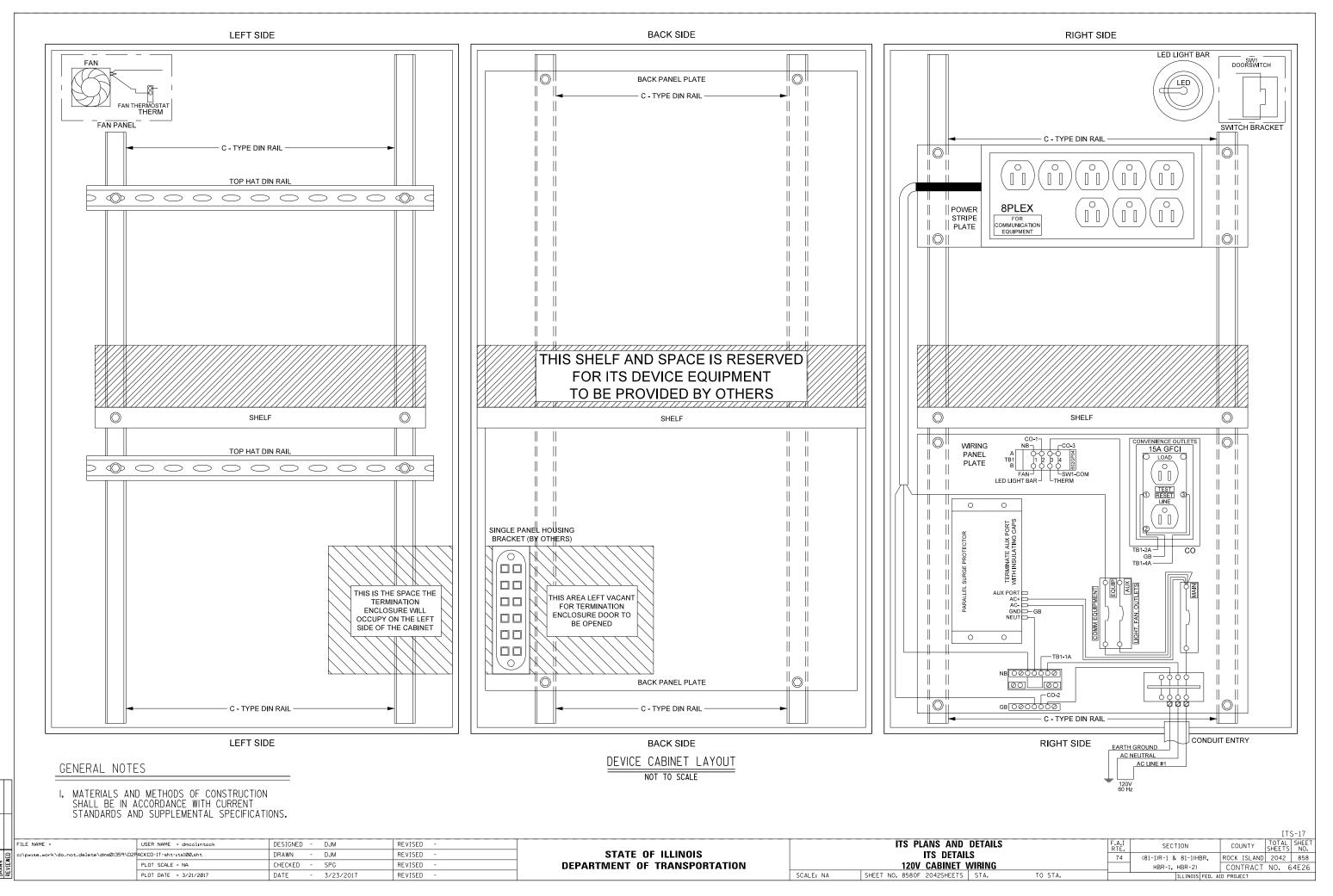
				IT	S-15
DETAILS	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ILS	74	(81-1)R-1 & 81-1(HBR,	ROCK ISLAND	2042	856
CABINET		HBR-1, HBR-2)	CONTRACT	NO. 6	54E26
STA. TO STA.		ILLINOIS FED. A	ID PROJECT		

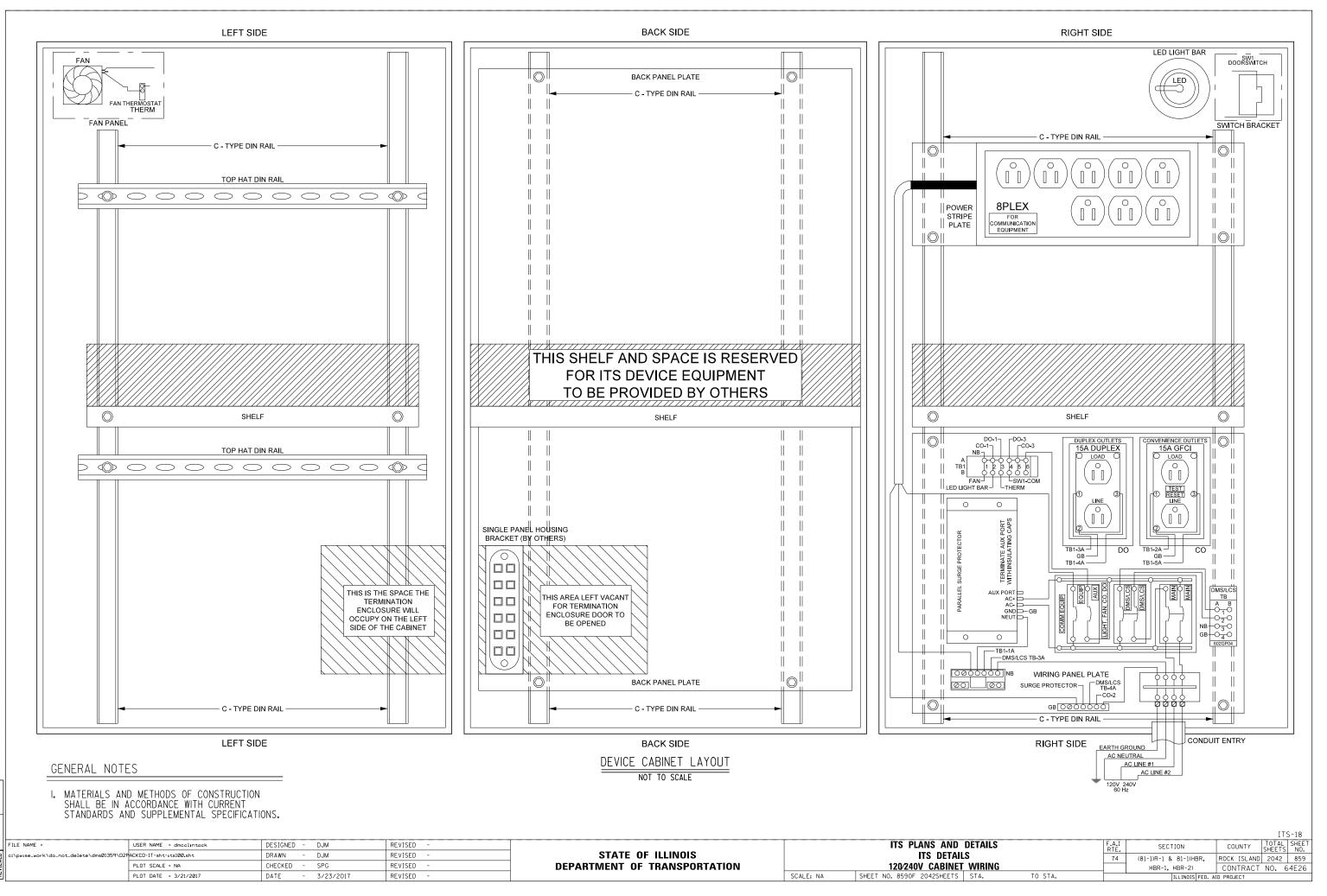


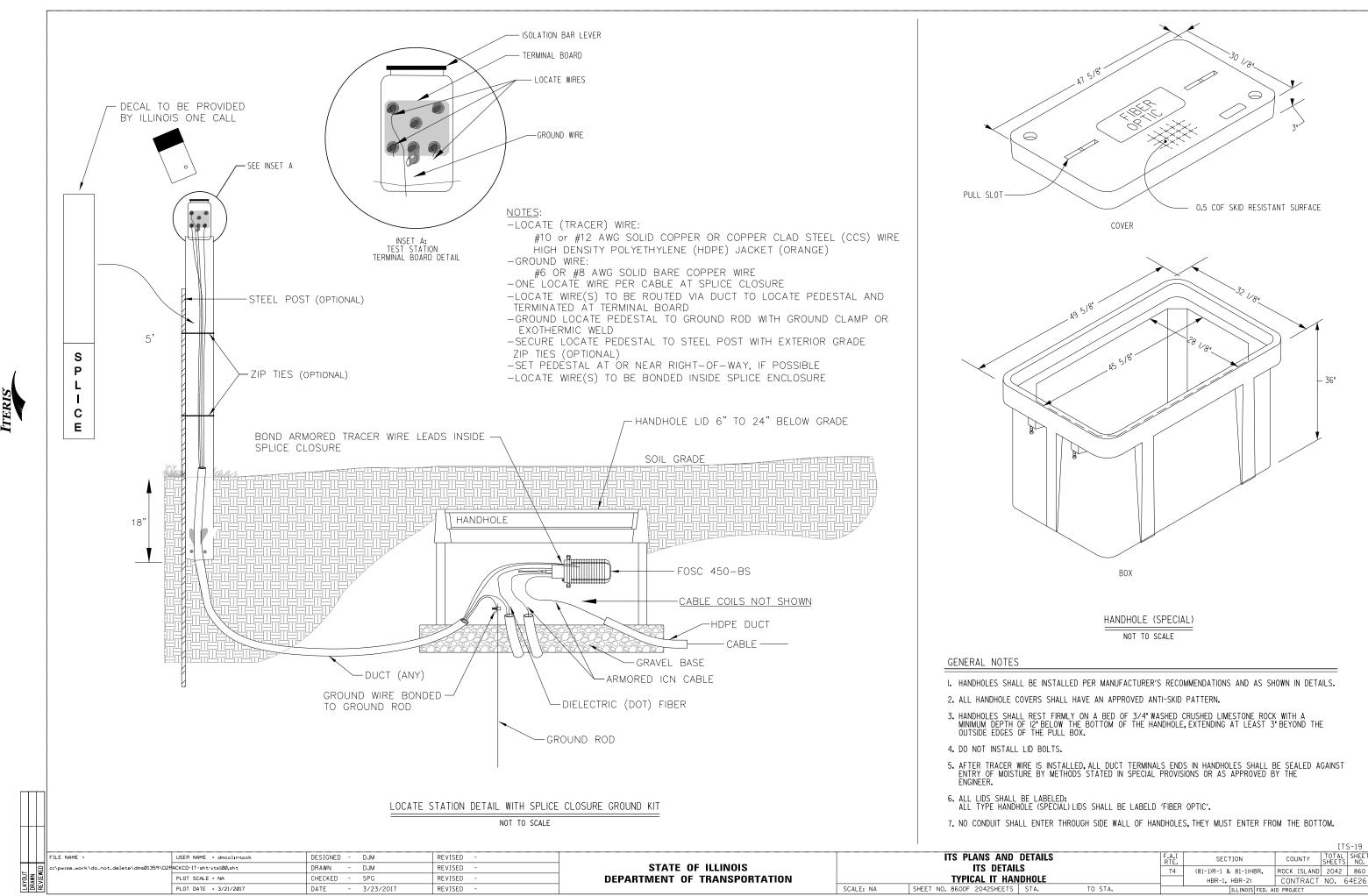
TO STA.

ILLINOIS FED. AID PROJECT

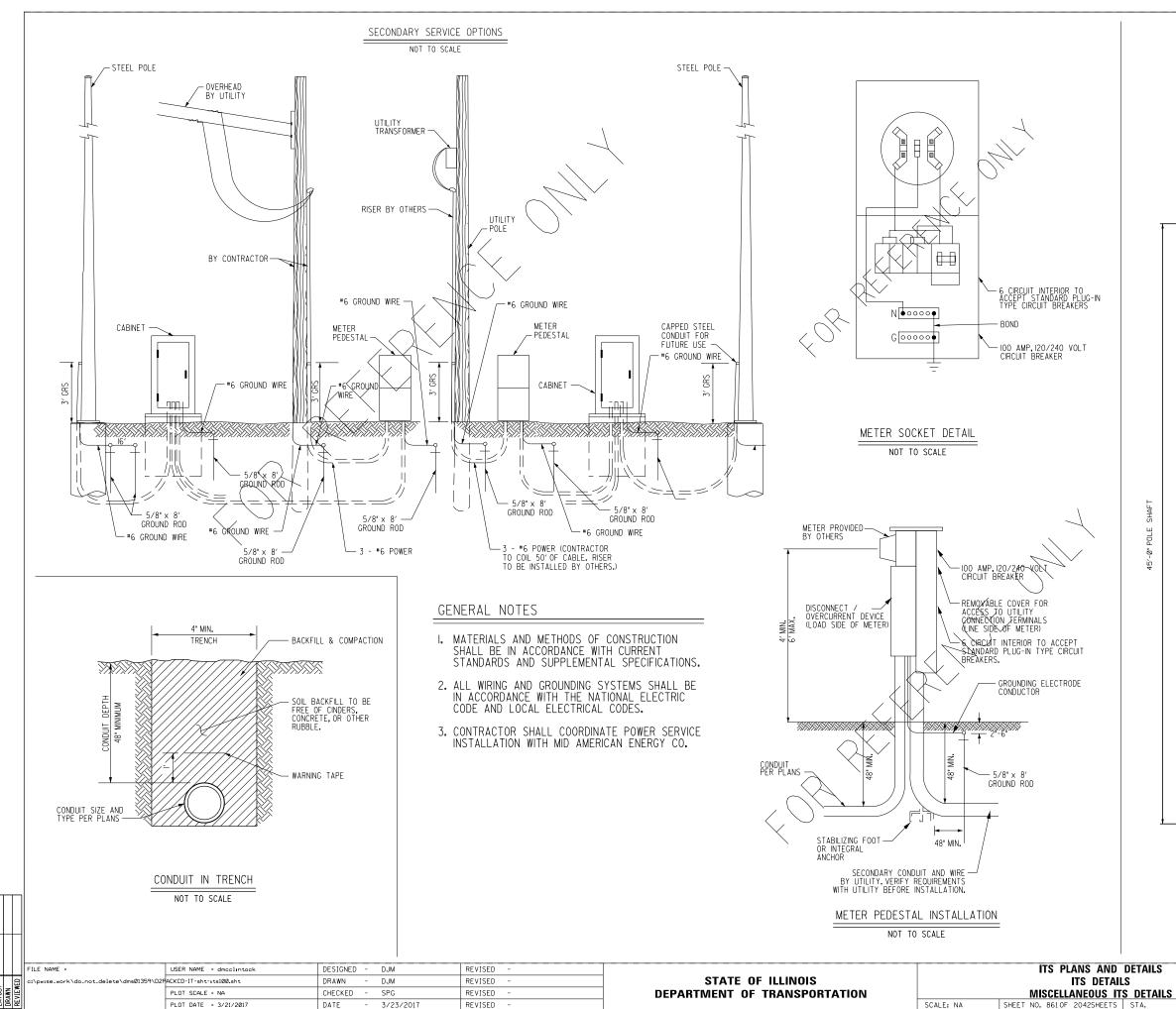
	FILE NAME =	USER NAME = dmcclintock	DESIGNED - DJM	REVISED -			ITS PLANS AND DETAIL
	c:\pwise_work\do_not_delete\dmsØ1359\D2P	ACKCD-IT-sht-its100.sht	DRAWN - DJM	REVISED -	STATE OF ILLINOIS		ITS DETAILS
DRAWN		PLOT SCALE = NA	CHECKED - SPG	REVISED -	DEPARTMENT OF TRANSPORTATION		GROUND MOUNTED CABI
588	J	PLOT DATE = 3/21/2017	DATE - 3/23/2017	REVISED -		SCALE: NA	SHEET NO. 8570F 2042SHEETS STA.





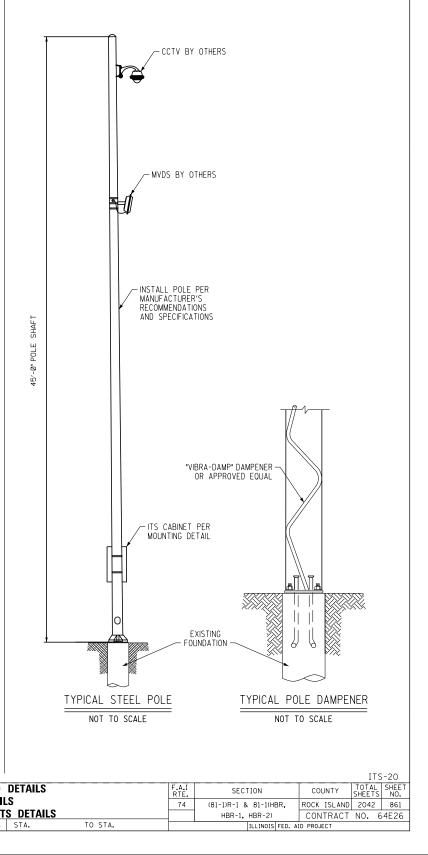


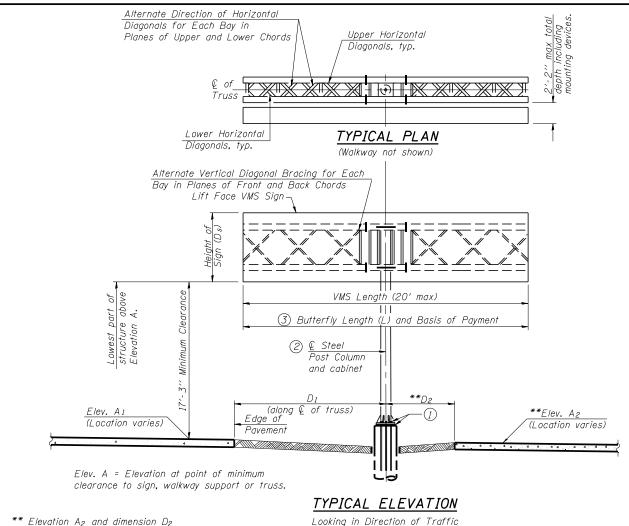
						ITS	S-19
	DETAILS		F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
۱L			74	(81-1)R-1 & 81-1(HBR,	ROCK ISLAND	2042	860
١N	IDHOLE			HBR-1, HBR-2)	CONTRACT	NO. 6	64E26
ŝ	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



#### GENERAL NOTES

- I. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT STANDARDS AND SUPPLEMENTAL SPECIFICATIONS.
- 2. CONTRACTOR SHALL FURNISH AND INSTALL POLE VIBRATION DAMPENER.





\*\* Elevation  $A_2$  and dimension  $D_2$ not used when butterfly structure is mounted on right side of the shoulder.

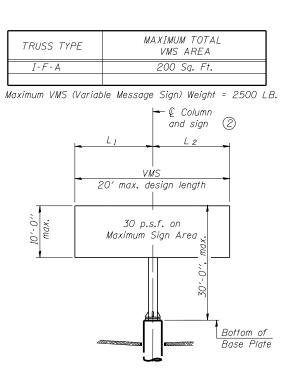
Sign support structures may be subject to damaging vibrations and oscillations when signs are not in place during erection or maintenance of the structure. To avoid these vibrations and oscillations, consideration should be given to attaching temporary blank sign panels to the structure.

Structure Number	Station	3 Total Butterfly Length (L)	Elev. A <sub>I</sub> ***	Elev. A <sub>2</sub>	Dim. D <sub>1</sub>	Dim. D <sub>2</sub>	Ds	Total Sign Area
2F081I074L001.6	84+35 (I-74)	14.6′	679.60		22,50′		8,12′	119 S.F.

\*\*\* Located at crown of roadway.

#### TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE - BUTTERFLY, TYPE I-B-A	Foot	14.6
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	6



### DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for L.D.O.T. Standards. Installations not within dimensional limits shown require special analysis for all components.

#### Note:

Trusses shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The contractor is responsible for maintaining the configuration and protection of the trusses.

- (1) After adjustments to level truss and insure adequate vertical clearance, all top and bottom leveling nuts shall be tightened against the base plate with a minimum torque of 200 lb,-ft. Stainless steel mesh shall then be placed around the perimeter of the base plate. Secure to base plate with stainless steel bandina.
- (2) Centerline sign must be located at centerline of column.
- (3) Total truss length to match VMS length.
- \* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.

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 WIND LOADING: 30 p.s.f. normal to DMS Cabinet Area and truss elements not behind sign Loadina Diaaram. WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES FIELD UNITS f'c = 3,500 p.s.i. fy = 60,000 p.s.i. (reinforcement)

and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W\* (M183, M223 Gr. 50, or M222). Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer. The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

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

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

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

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

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

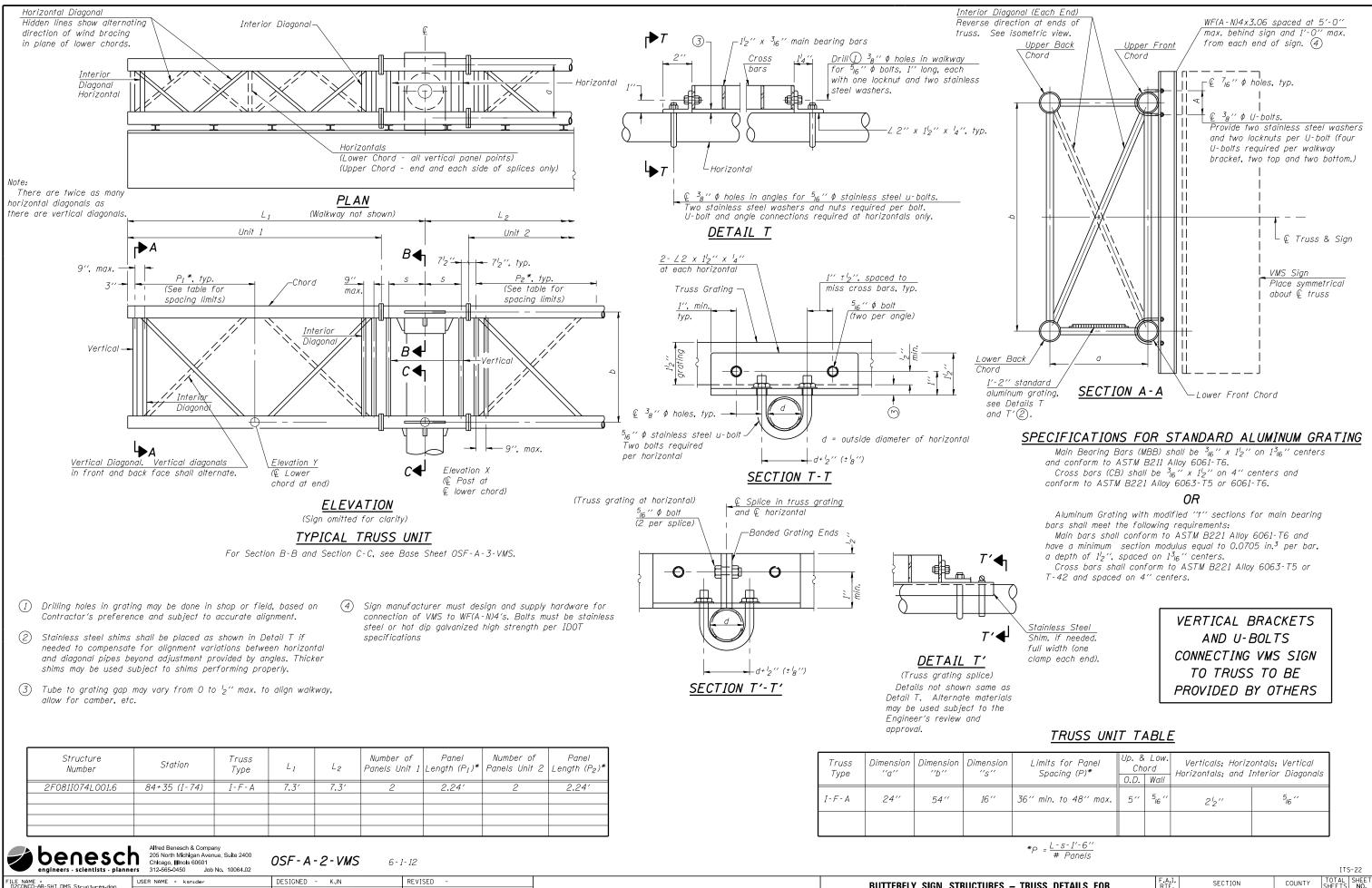
	Alfred Benesch & Company 205 North Michigan Avenue, Suite 2400 Chicago, Illinois 60601 312-565-0450 Job No. 10064.02	OSF-A-1-VMS	8-21-13				ITS-21
FILE NAME = D2CONCD-AB-SHT_DMS_Structures.dgn	USER NAME = ksnider	DESIGNED - KJN	REVISED -		BUTTERFLY SIGN STRUCTURES – PLAN & ELEVATION	F.A.I. SECTION	COUNTY TOTAL SHEET
becomes ins simplified at de tal calogn		CHECKED - JLS	REVISED -	STATE OF ILLINOIS		74 (81-1)R-1 & 81-1(HBR, HBR-1, HBR-2)	ROCK ISLAND 2042 862
NODE	PLOT SCALE =	DRAWN - KMS	REVISED -	DEPARTMENT OF TRANSPORTATION	FOR FRONT ACCESS VMS – ALUMINUM TRUSS & STEEL POST		CONTRACT NO. 64E26
1 Butterfly Sign Structures	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO. 1 OF 7 SHEETS	FED. ROAD DIST. NO. ILLINOIS FED. AI	

## GENERAL NOTES

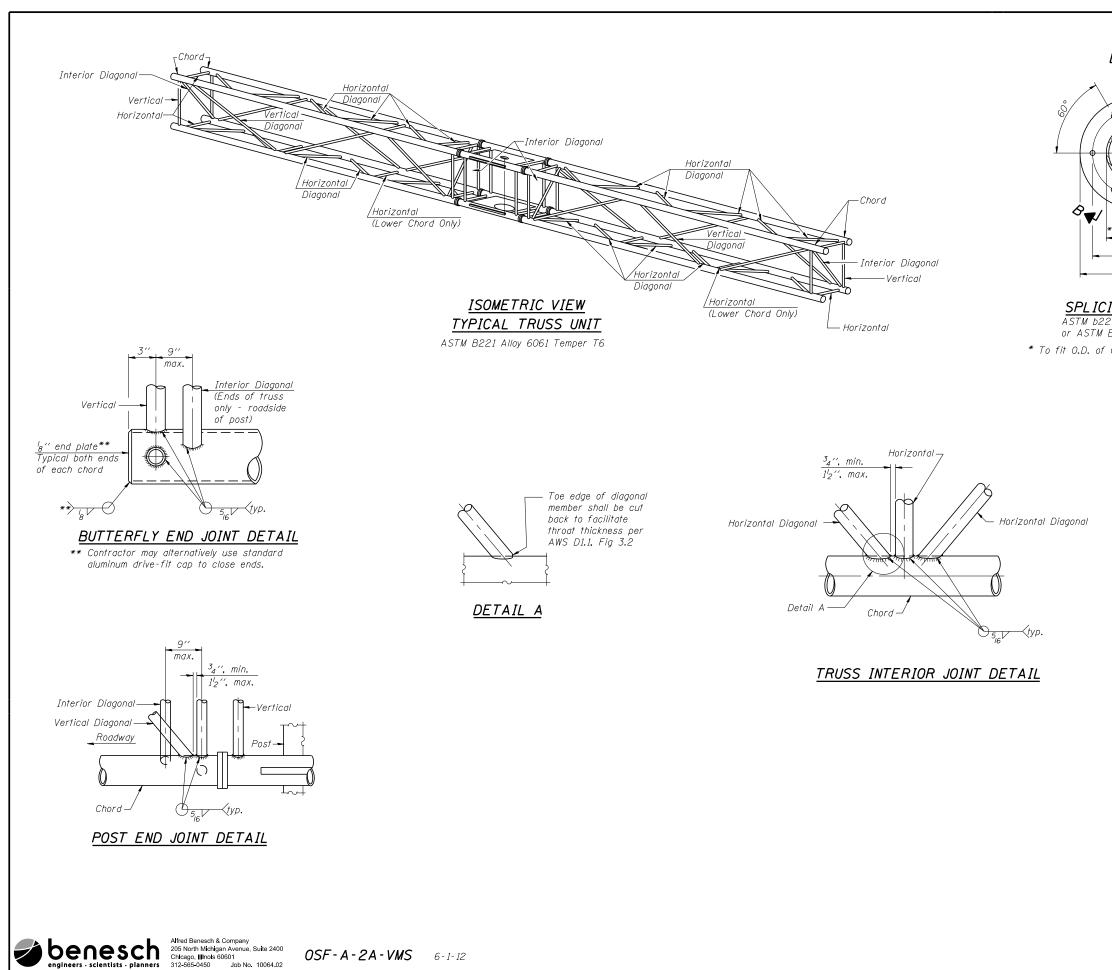
DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

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

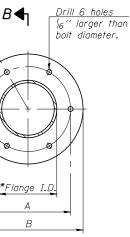
CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Concrete Sealer in accordance with the Standard Specifications.



engineers - scientists - plan	iners 312-565-0450 Job No. 10064	.02				ITS-22	
FILE NAME = D2CONCD-AB-SHT_DMS_Structures.dgn	USER NAME = ksnider	DESIGNED - KJN	REVISED -		BUTTERFLY SIGN STRUCTURES – TRUSS DETAILS FOR	F.A.I. SECTION COUNTY SHEFTS NO	E S
becomes instantistication actairestagn		CHECKED - JLS	REVISED -	STATE OF ILLINOIS		74 (81-1)R-1 & 81-1(HBR, HBR-1, HBR-2) ROCK ISLAND 2042 863	3 8
MODFI :	PLOT SCALE =	DRAWN - KMS	REVISED -	DEPARTMENT OF TRANSPORTATION	FRONT ACCESS VMS – ALUMINUM TRUSS & STEEL POST	CONTRACT NO. 64E26	10
2 Butterfly Sign Structures	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO. 2 OF 7 SHEETS	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	- m
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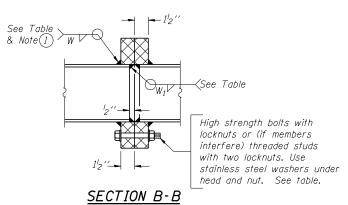


USER NAME = ksnider DESIGNED - KJN REVISED FILE NAME = D2CONCD-AB-SHT\_DMS\_Structures.dgn BUTTERFLY SIGN STRUCTURES STATE OF ILLINOIS CHECKED - JLS REVISED FRONT ACCESS VMS - ALUMINU PLOT SCALE = DRAWN KMS REVISED **DEPARTMENT OF TRANSPORTATION** MODEL: 3 Butterfly Sign Structures PLOT DATE = 3/23/2017 CHECKED - KJN REVISED SHEET NO. 3 OF



## SPLICING FLANGE

ASTM b221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651 \* To fit O.D. of Chord with maximum gap of '<sub>16</sub>''.

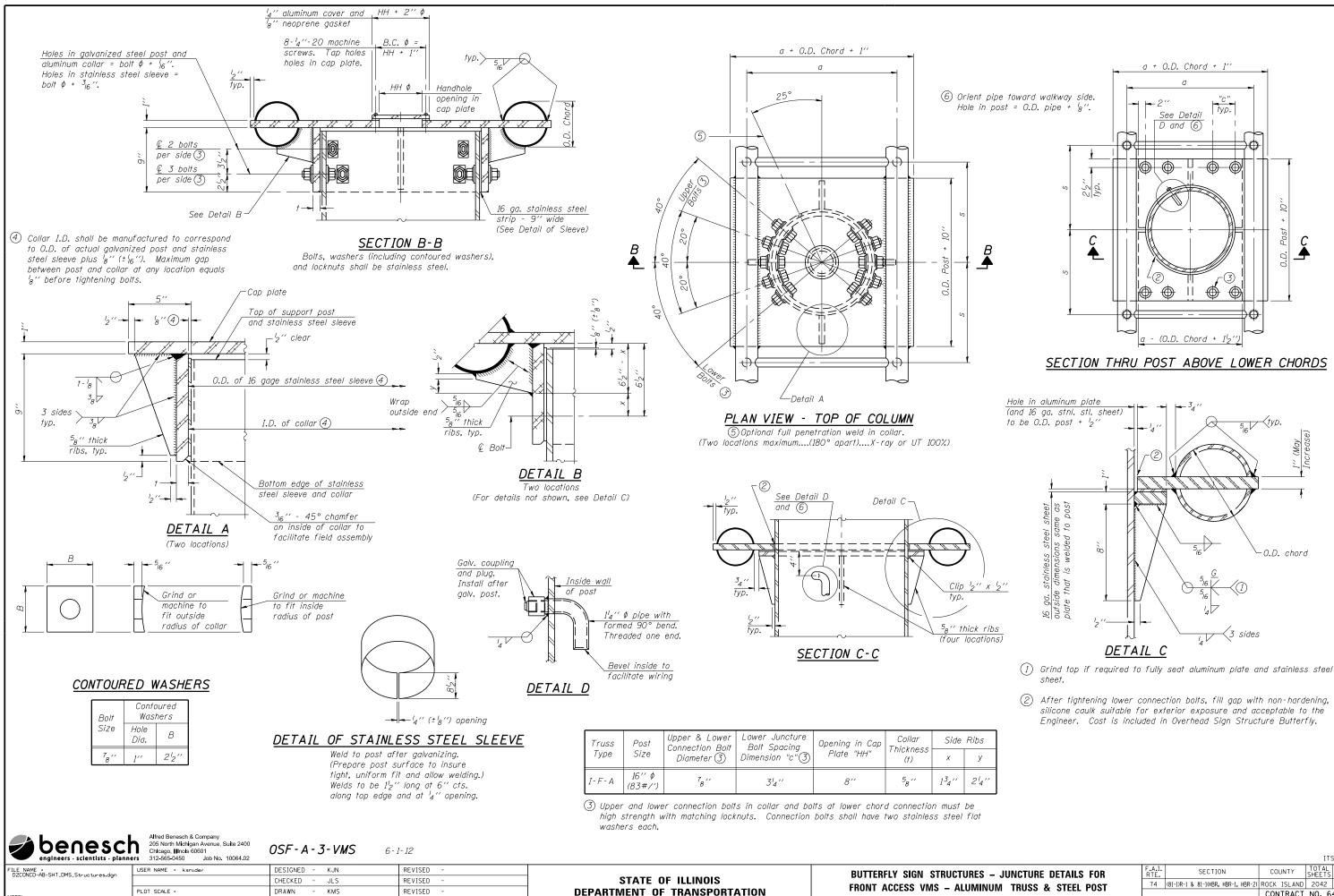


 Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.

Truss			Sizes		_
Туре	Dia.	W	W 1	A	В
I-F-A	7 <sub>8</sub> ''	5 <sub>16</sub> ′′	<sup>1</sup> 4 ''	8 <sup>3</sup> 4′′	11 <sup>3</sup> 4′′

								ITS	5-23	5
S – TRUSS DETAILS FOR	F.A.I. RTE.		SECTIO	ОN		CO	UNTY	TOTAL SHEETS	SHEET NO.	/201
UM TRUSS & STEEL POST	74	(81-1)R-1 8	81-1(HBR,	HBR-1,	HBR-2)	ROCK	ISLAND	2042	864	ĉ
						CON	ITRACT	NO. 6	4E26	2/2
7 SHEETS	EED RO	AD DIST	NO TI			D PROI	ECT			· · · ·

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MODEL: 4 Butterfly Sign Structures

PLOT DATE = 3/23/2017

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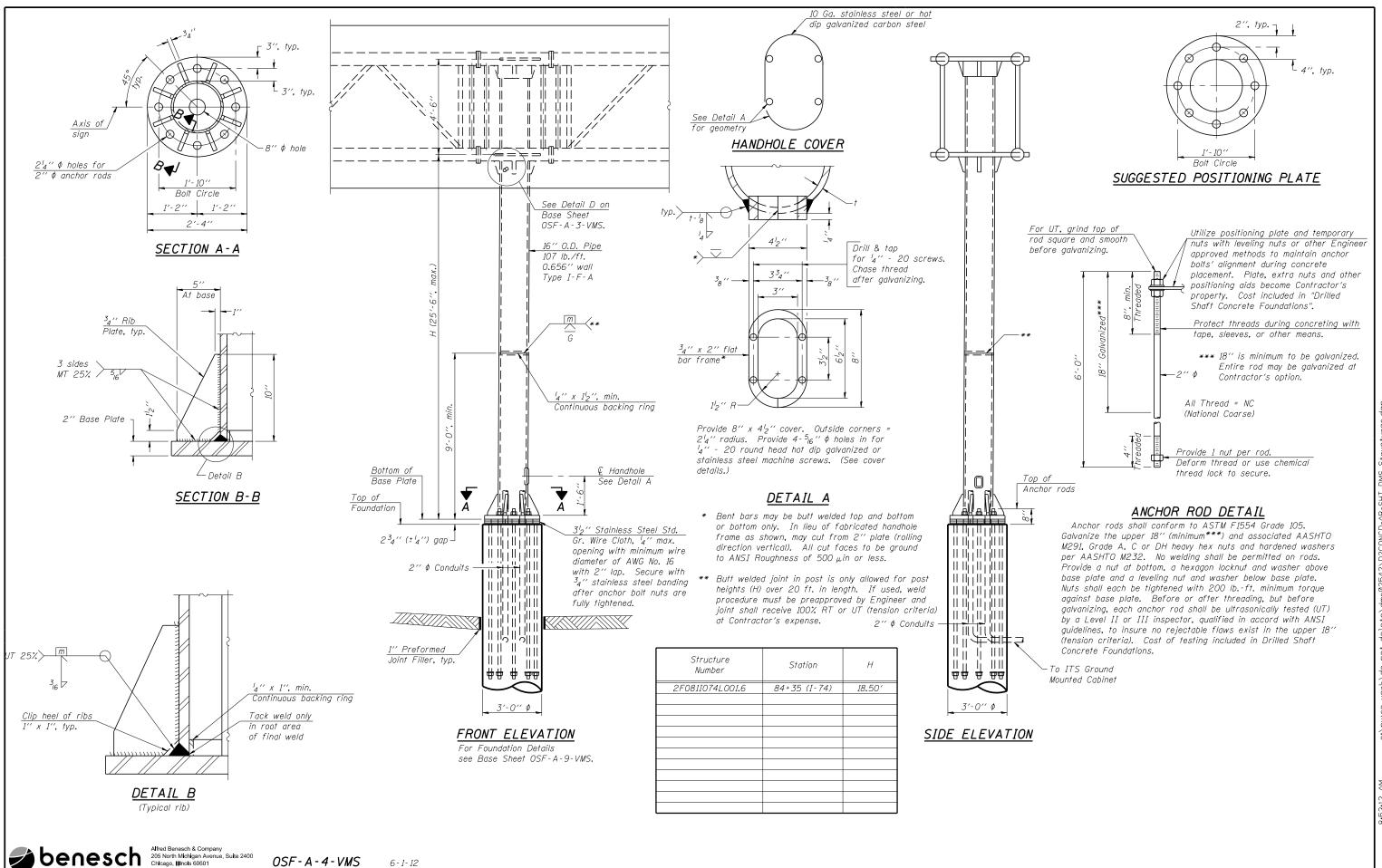
KJN

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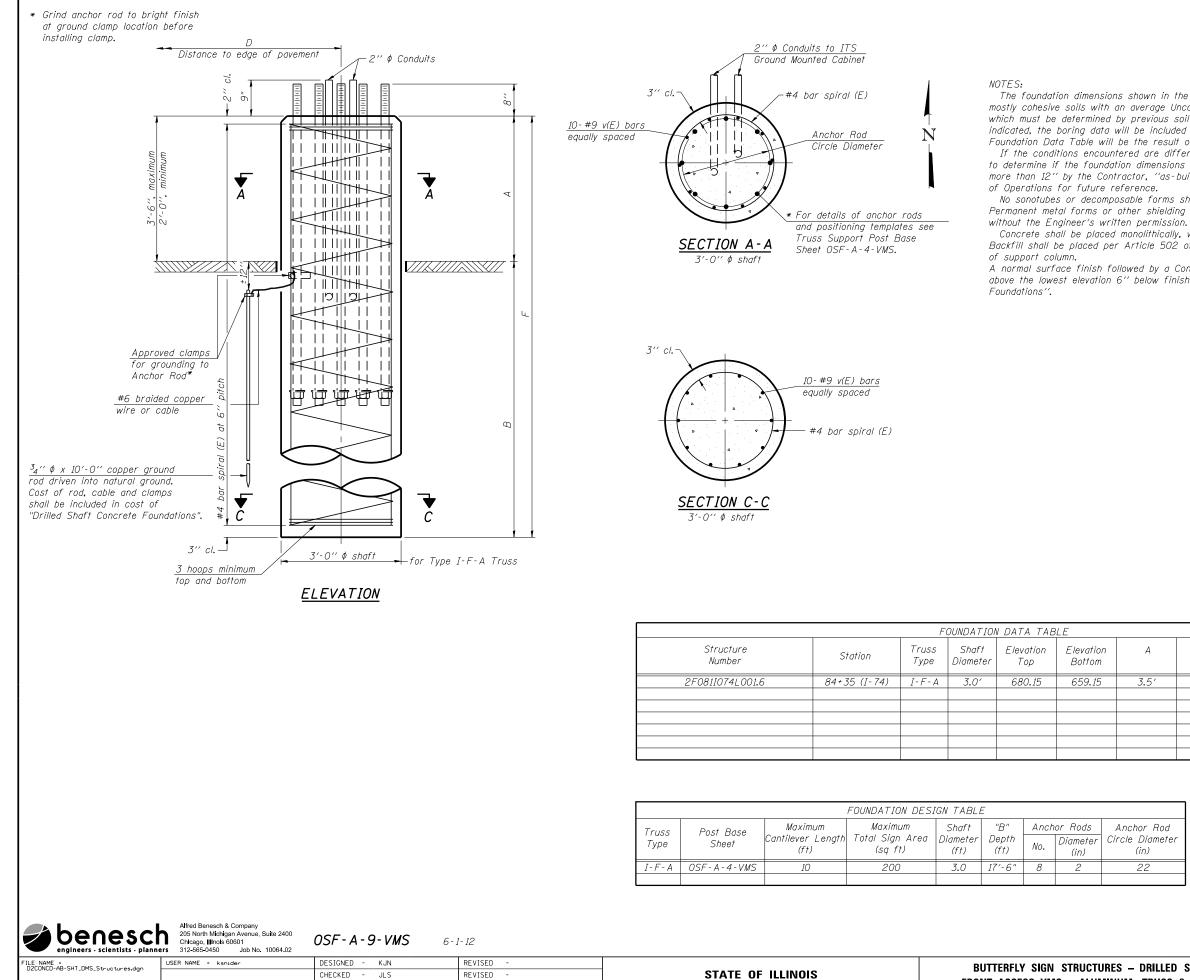
						ITS	S-24	
– JUNCTURE DETAILS FOR	F.A.I. RTE	SEC	TION	CO	UNTY	TOTAL SHEETS	SHEET NO.	1201
UM TRUSS & STEEL POST	74	(81-1)R-1 & 81-1(H	BR, HBR-1, HBR-2)	ROCK	ISLAND	2042	865	ι m
				CON	ITRACT	NO. 6	4E26	
7 SHEETS	FED. RC	AD DIST. NO.	ILLINOIS FED. A	ID PROJ	ECT			

3:53:11

SHEET NO. 4 OF



		<b>OSF - A - 4 - VMS</b> 6	- 1- 12			ITS-25
FILE NAME = D2CONCD-AB-SHT_DMS_Structures.dgn	USER NAME = ksnider	DESIGNED - KJN	REVISED -		BUTTERFLY SIGN STRUCTURES – TYPE I–F–A SUPPORT POST	F.A.I. SECTION COUNTY TOTAL SHEET
		CHECKED - JLS	REVISED -	STATE OF ILLINOIS		74 (81-1)R-1 & 81-1(HBR, HBR-1, HBR-2) ROCK ISLAND 2042 866
MODEL	PLOT SCALE =	DRAWN - KMS	REVISED -	DEPARTMENT OF TRANSPORTATION	FOR FRONT ACCESS VMS – ALUMINUM TRUSS & STEEL POST	CONTRACT NO. 64E26
MODEL: 5 Butterfly Sign Structures	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO. 5 OF 7 SHEETS	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



PLOT SCALE =

PLOT DATE = 3/23/2017

MODEL: 6 Butterfly Sign Structures

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KMS

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FRONT ACCESS VMS - ALUMINUM T SHEET NO. 6 OF 7 SHE

**DEPARTMENT OF TRANSPORTATION** 

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

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

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation

Concrete shall be placed monolithically, without construction joints.

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

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

А	В	F	Class DS Concrete Cubic Yards
3.5′	17.5′	21.0′	6

nchor Rod	
cle Diameter	
(in)	
22	

							113	5-26	
DRILLED SHAFT FOR	F.A.I. RTE.	SECT	ION		CO	UNTY	TOTAL SHEETS	SHEET NO.	/201
TRUSS & STEEL POST	74	(81-1)R-1 & 81-1(HE	R, HBR-1,	HBR-2)	ROCK	ISLAND	2042	867	Ω.
					CON	ITRACT	NO. 6	4E26	
HEETS	FED. RC	DAD DIST. NO.	ILLINOIS	FED. A	D PROJ	ECT			

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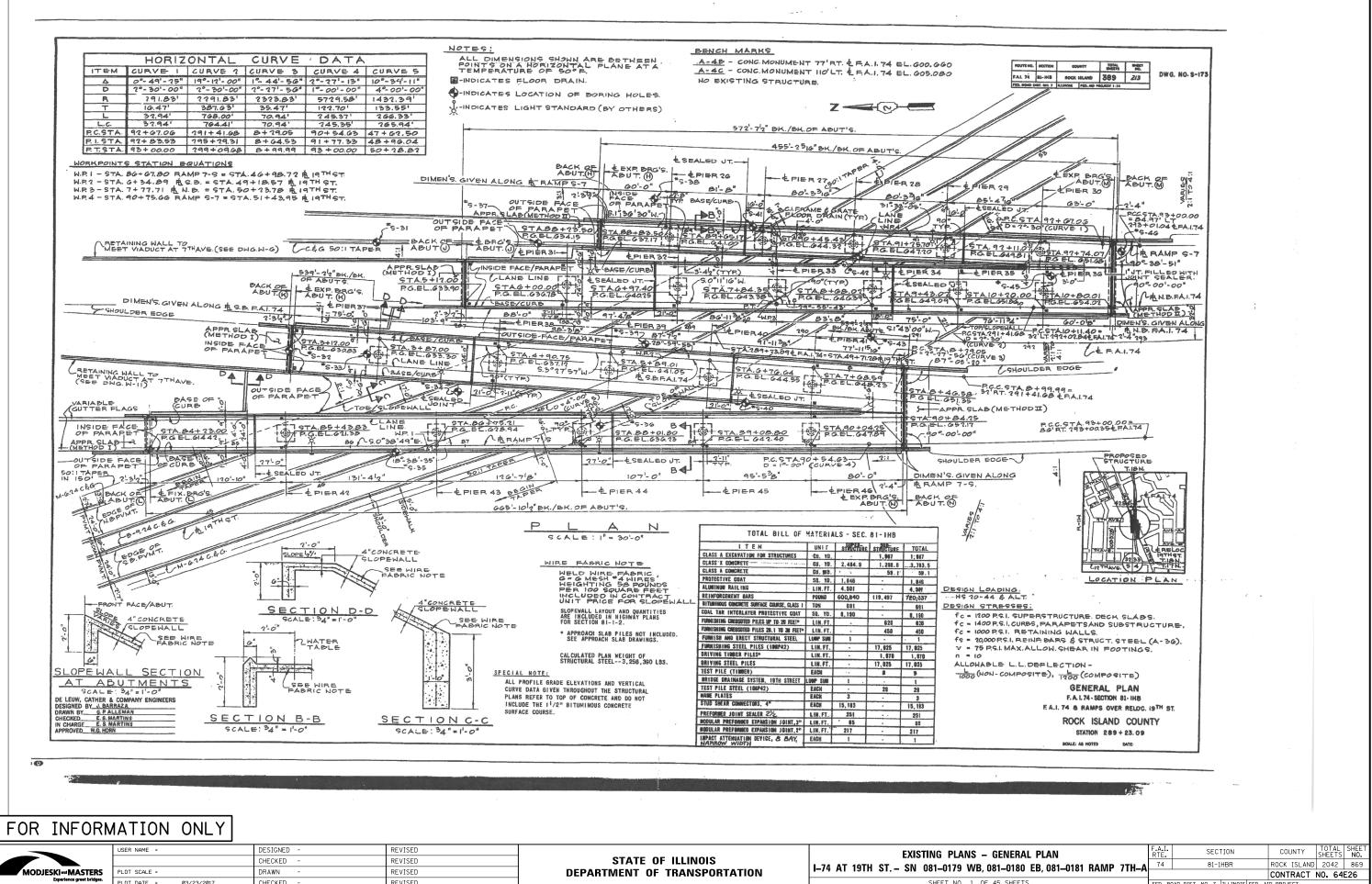
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	BORING N	). s	6B-1	108						Pa	ige 1 of 1
CL	ENT Alfred Benesch & Co.										•
SIT		PRO	JEC	T							
	Moline, Illinois			Sig				Utiliz	ation	Structur	res
	Boring Location: Sta: 84+35, offset about 68' LT				SAN	PLES	;			TESTS	
GRAPHIC LOG	DESCRIPTION Approx. Surface Elev.: 680 ft	DЕРТН, π.	USCS SYMBOL	NUMBER	TYPE	RECOVERY, in.	SPT - N ** BLOWS / ft.	WATER CONTENT, %	DRY UNIT WT pcf	UNCONFINED STRENGTH, psf	RIMAC (psf)
*	0.25 Approx. 3" Asphaltic Cement Concrete 679.8	-			PA						
***	0.5 Approx. 3" Crushed Limestone 679.5	_	-	1	SS	8	8	22			
***	FILL, SILTY CLAY Brown	-			PA						
***	5 675	_=		2	ss	10	6	25			
Ĩ	SILTY CLAY (LOESS)***	5		3	PA	0	6				
	Brown Medium Stiff	_			SS PA	ļ					
	CLAYEY SILT (LOESS)	-					_				
	Brown and Gray	10	ML	4	SS	7	9	20			970
	Stiff	10 =	1		PA						
		_	1		]						
		=		_	SS	45					10.40
Ħ	Medium stiff at Sample 5	15-		5		15	6	25			1940
Ħ		<sup>10</sup> =	1		PA			1			
	18 662		1								
***	ORGANIC CLAY (ALLUVIUM)	=		6	SS	8	14	64			
	Dark Brown Stiff	20-		Ů		°	-144	0.4			
$\widetilde{\mathcal{M}}$	21 659 SANDY FAT CLAY (GLACIAL DEPOSIT)	Ξ			PA						
	Gray	_									
	Stiff	Ξ	СН	7	SS	12	11	38			2910
		25—	1	<u> </u>	PA	<u> </u>	L . /	<sup>55</sup>			2010
		=			PA						
		_	1								
		=	Сн	8	ss	15	10	20	<u> </u>		970
	BOTTOM OF BORING 650	30-	1	-	+				-		
	***Soil descriptions are based on the driller's field classification of disturbed										
	samples.										
Th	e stratification lines represent the approximate boundary lines								40.15		Penetromete
	ween soil and rock types: in-situ, the transition may be gradual.					D/O/C				or lauton	natic hamme
							ING S			<u></u>	11-14-1
WL			-6	זר	ן ר		ING C		r-		11-14-1
VVL			_L	_1		RIG		3	35E F	OREMA	N RI

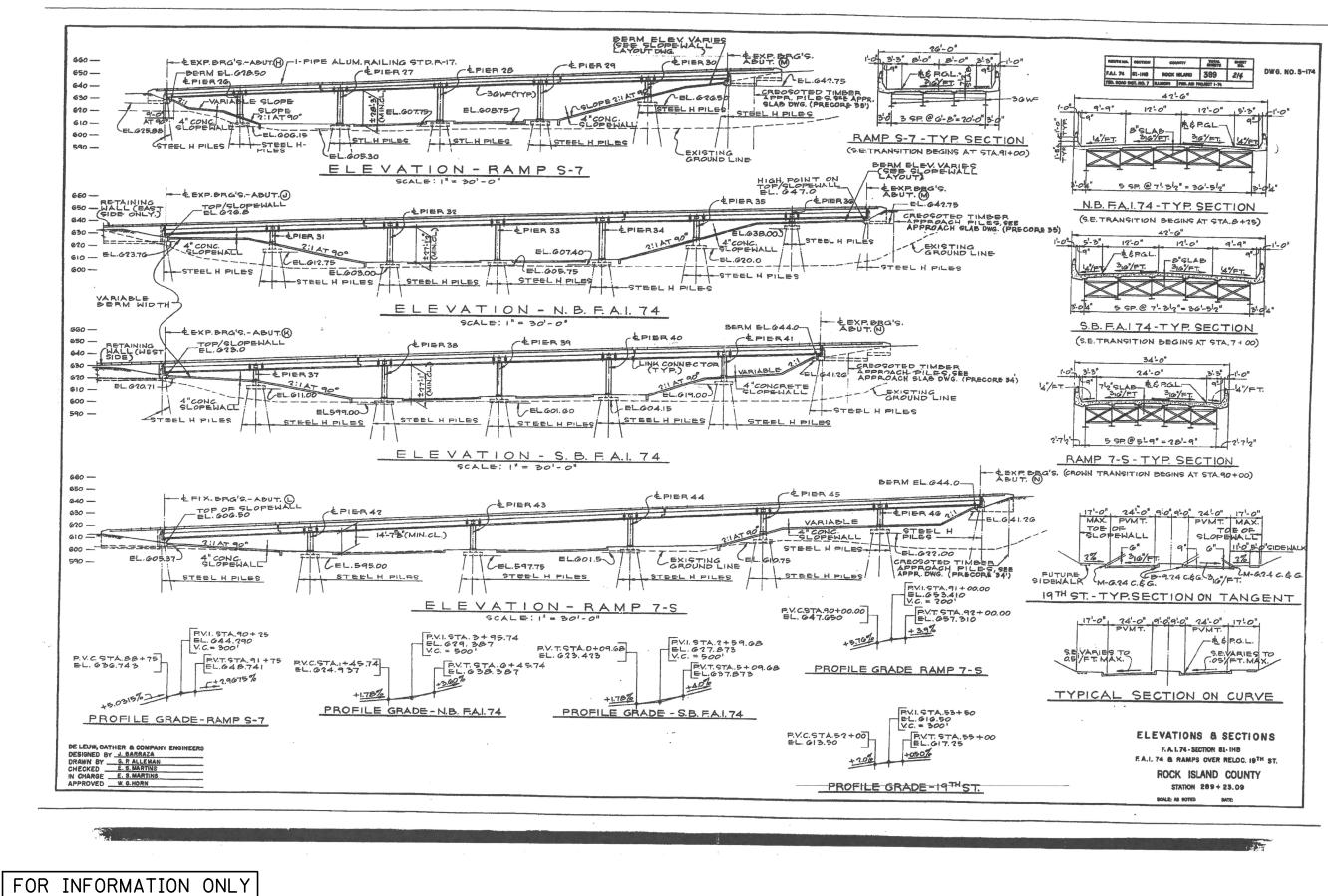


engineers - scientists - planners Chicago, Illinois 60601 1TS-27									
FILE NAME = D2CONCD-AB-SHT_DMS_Structures.dgn	USER NAME = ksnider	DESIGNED - KJN	REVISED -		BUTTERFLY SIGN STRUCTURES	F.A.I. SECTION COUNTY TOTAL SHEET S			
bzconcb mb ann_bha_au ac unes.agn		CHECKED - JLS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOG	74 (81-1)R-1 & 81-1(HBR, HBR-1, HBR-2) ROCK ISLAND 2042 868			
MODEL: 7 Butterfly Sign Structures	PLOT SCALE =	DRAWN - KMS	REVISED -		JUIL DUNING LUG	CONTRACT NO. 64E26			
	PLOT DATE = 3/23/2017	CHECKED - KJN	REVISED -		SHEET NO. 7 OF 7 SHEETS	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

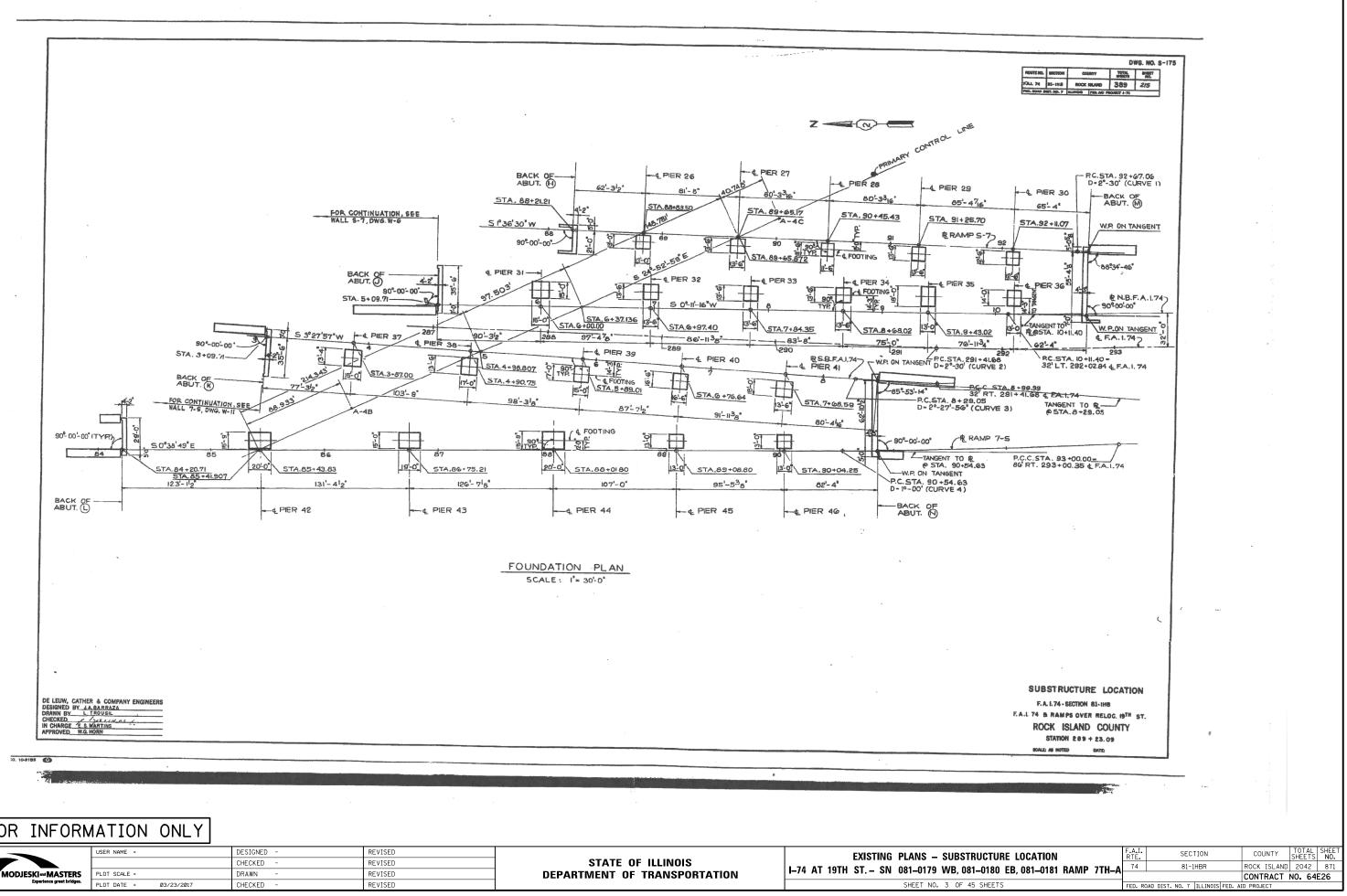


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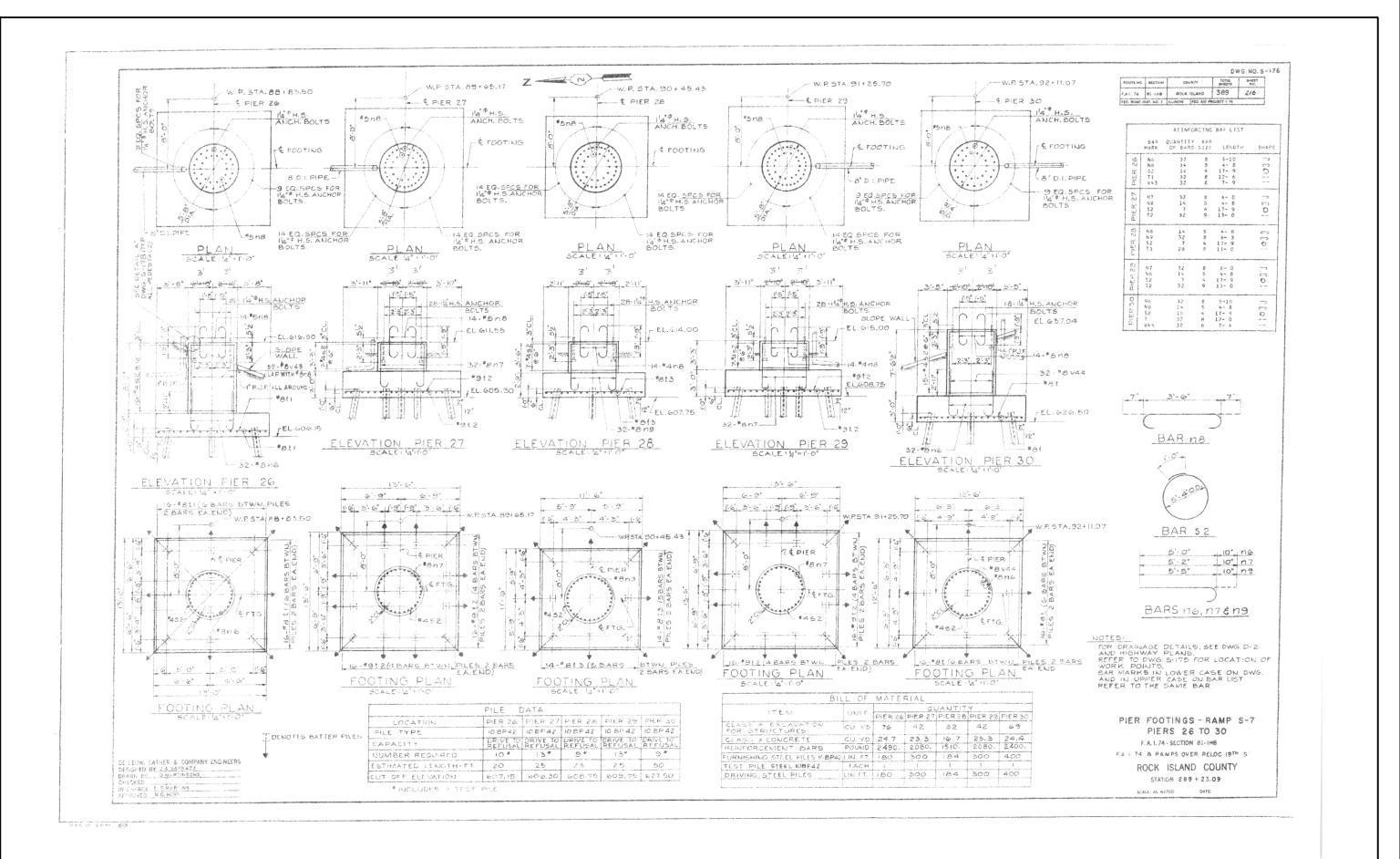


MODJESKI er MASTERS Experience greet bridges.	USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – ELEVATION AND SECTIONS	F.A.I. SECTION	COUNTY TOTAL SHEET
		CHECKED -	REVISED		I-74 AT 19TH ST SN 081-0179 WB, 081-0180 EB, 081-0181 RAMP 7TH-A	74 81-1HBR	ROCK ISLAND 2042 870
	PLOT SCALE =	DRAWN -	REVISED				CONTRACT NO. 64E26
	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 2 OF 45 SHEETS		AID PROJECT



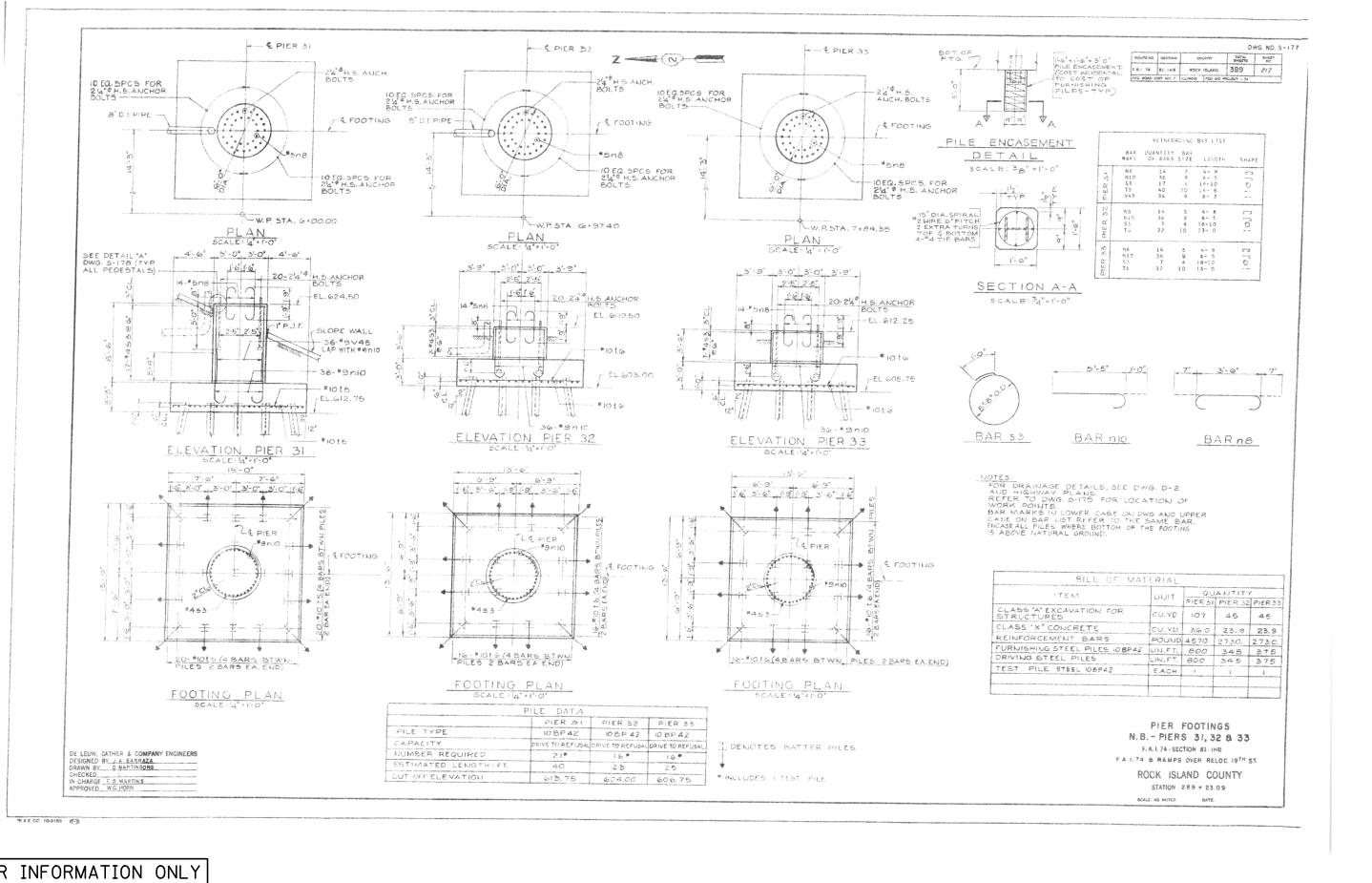
FOR INFORMATION O	NLY
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MODJESKI er MASTERS Experience great bridges.	USER NAME =	DESIGNED - CHECKED -	REVISED REVISED	STATE OF ILLINOIS	EXISTING PLANS – SUBSTRUC	
	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-	
	PLOT DATE = 03/23/2017	CHECKED -	REVISED		SHEET NO. 3 OF 45 SH	



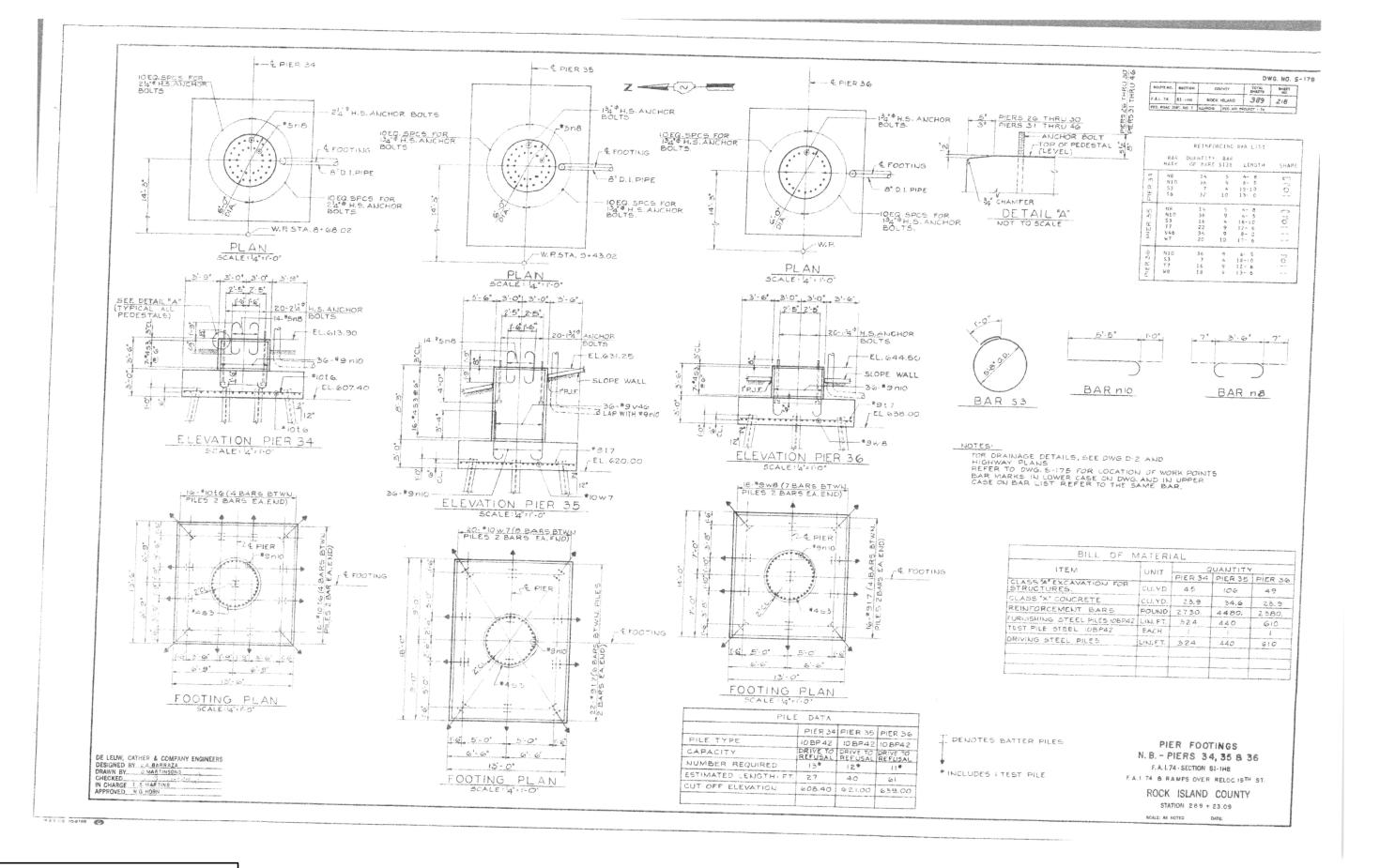
# FOR INFORMATION ONLY

MODJESKIMASTERS	USER NAME =	DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS – PIER FOOTINGS – RAMP S–7 (PIERS 26 TO 30) I–74 AT 19TH ST.– SN 081–0179 WB, 081–0180 EB, 081–0181 RAMP 7TH–A	F.A.I. SECTION	COUNTY TOTAL SHEET
		CHECKED -	REVISED			74 81-1HBR	ROCK ISLAND 2042 872
	PLOT SCALE =	DRAWN -	REVISED			l	CONTRACT NO. 64E26
Experience great bridges.	PLOT DATE = Ø3/2	3/2017 CHECKED -	REVISED		SHEET NO. 4 OF 45 SHEETS	FED. ROAD DIST. NO. 7 ILLINOIS FE	D. AID PROJECT



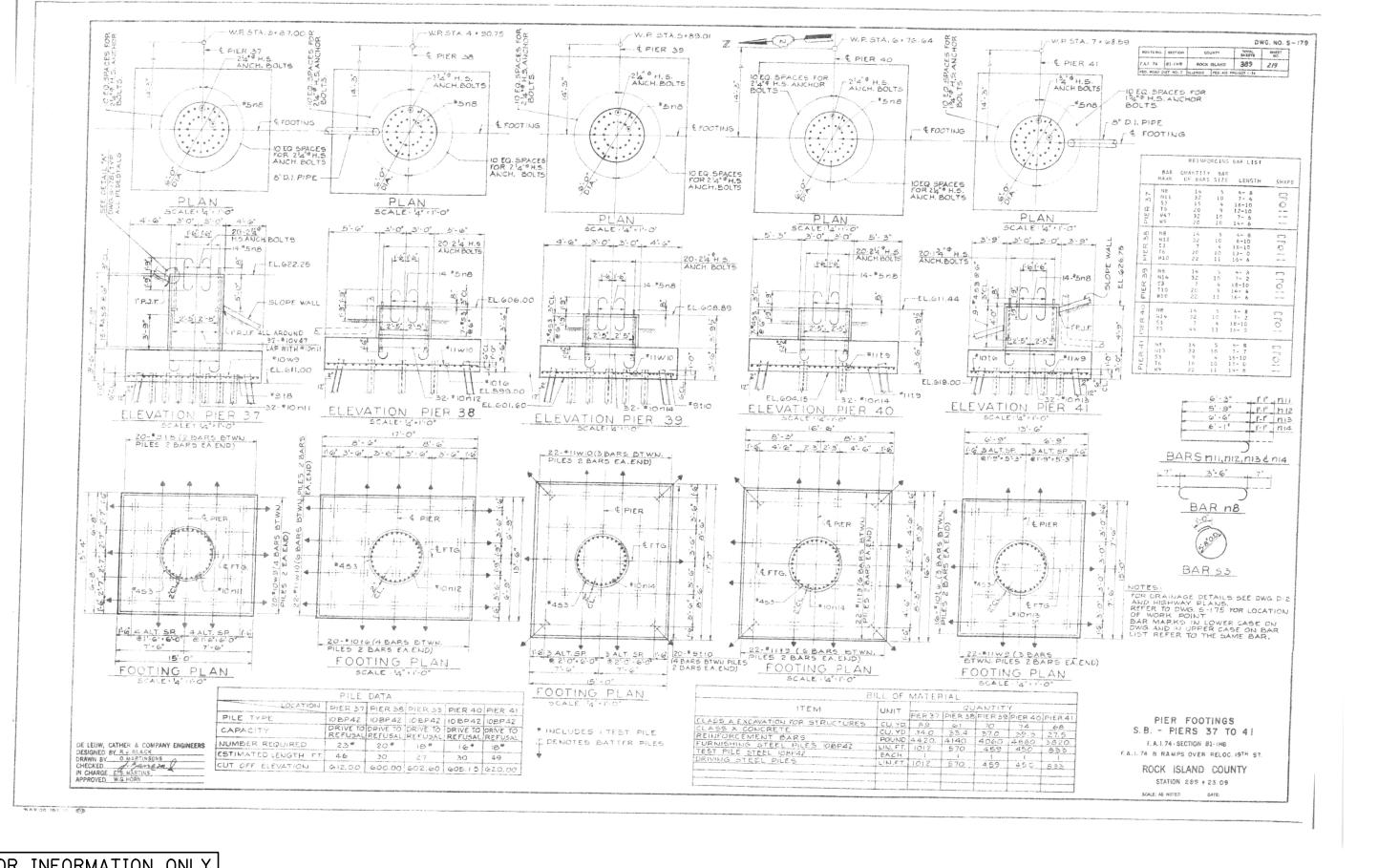
	USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – PIER FOOTINGS (N
		CHECKED -	REVISED	STATE OF ILLINOIS	
MODJESKI ••• MASTERS	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0
Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 5 OF 45 SH

(N.B. – PIERS 31, 32 & 33)	F.A.I. RTE.	•		SE	CT	ION			COI	JNTY		TOTAL	. S	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A	74			81	-1	HBR		R	ОСК	<b>ISL</b> A	١ND	2042		873
1-0100 EB, 001-0101 HAMI / III-A								С	ONT	RAC	Т	NO. 6	4E2	26
5 SHEETS	FED.	ROAD	DIST.	NO.	7	ILLINOIS	FED.	AID	PROJ	ЕСТ				



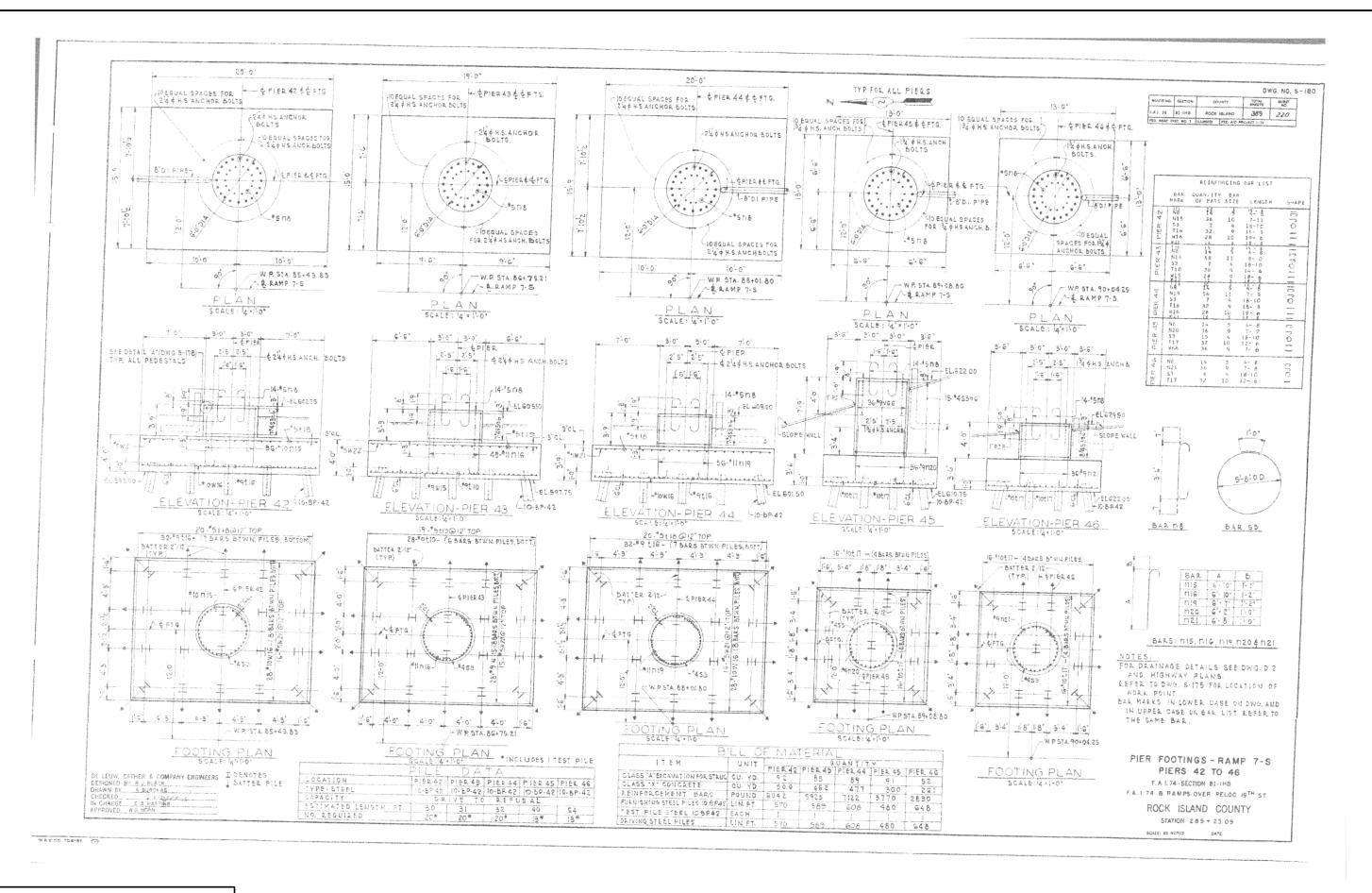
Ī		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – PIER FOOTINGS (N
			CHECKED -	REVISED	STATE OF ILLINOIS	
	MODJESKI MASTERS	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0
L	Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 6 OF 45 SH

; (N.B. – PIERS 34, 35 & 36)	F.A.I RTE.	•		SE	CTION	1			CO	UNT	Y	TOTAL SHEETS	SHEET
1-0180 EB, 081-0181 RAMP 7TH-A	74		81-1HBR				R	оск	ISL	AND	2042	874	
1-0100 EB, 001-0101 HAMI / 111-A								С	ONT	RA	СТ	NO. 64	4E26
15 SHEETS	FED.	ROAD	DIST.	NO.	r ILLI	NOIS	FED.	AID	PROJ	ЕСТ			

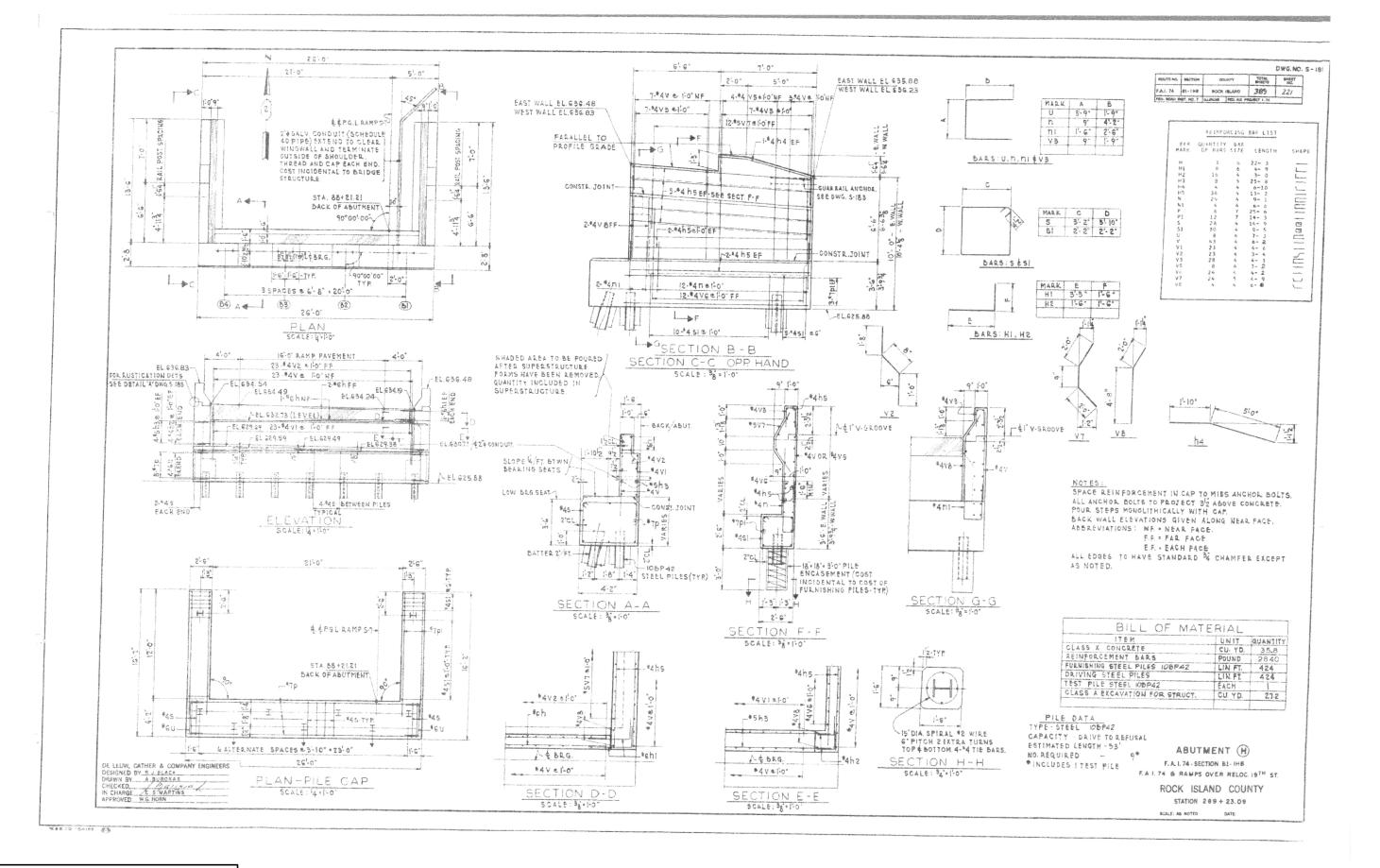


I		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – PIER FOOTINGS
			CHECKED -	REVISED	STATE OF ILLINOIS	
	MODJESKI *** MASTERS	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0
l	Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 7 OF 45 S

S (S.B. – PIERS 37 TO 41)	F.A.I. RTE	•		SEC	CTION		CO	UNTY	TOTAL SHEETS	SHEET NO.
1–0180 EB, 081–0181 RAMP 7TH–A	74		81-1HBR					ISLAN	2042	875
1-0100 EB, 001-0101 HAMI / 111-A							CONT	RACT	NO. 64	E26
15 SHEETS	FED.	ROAD	DIST.	NO. 7	ILLINOIS	FED. A	ID PROJ	ECT		

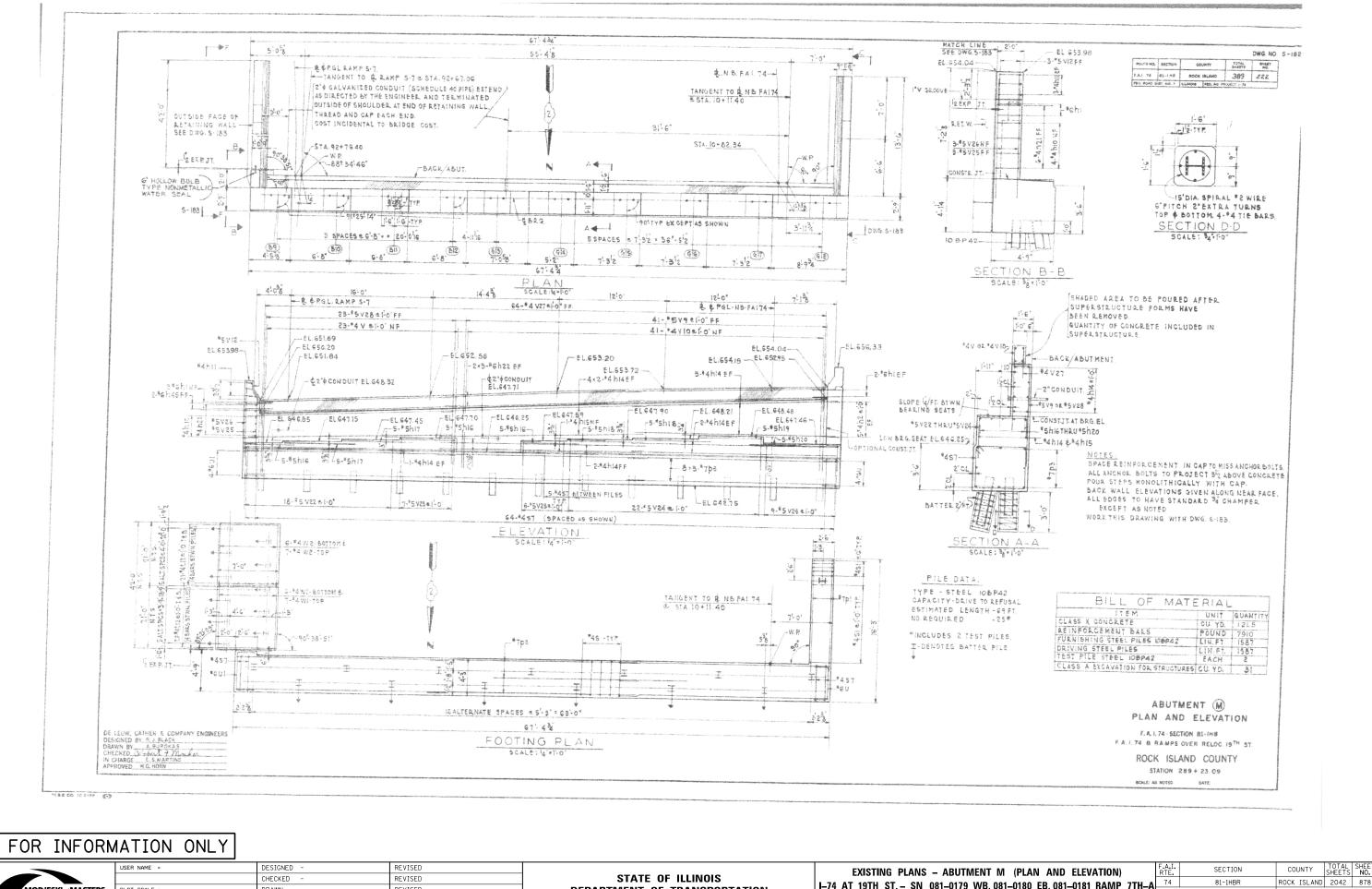


	USER NAME =	DESIGNED -	REVISED		EXISTING PLANS - PIER FOOTINGS - RAMP 7-S (PIERS 42 TO 46)	COUNTY TOTAL SHEET
		CHECKED -	REVISED	STATE OF ILLINOIS	I–74 AT 19TH ST. – SN 081–0179 WB, 081–0180 EB, 081–0181 RAMP 7TH–A	ROCK ISLAND 2042 876
MODJESKI and MASTERS Experience great bridges.	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION		CONTRACT NO. 64E26
Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 8 OF 45 SHEETS FED. ROAD DIST. NO. 7 ILLIND	S FED. AID PROJECT



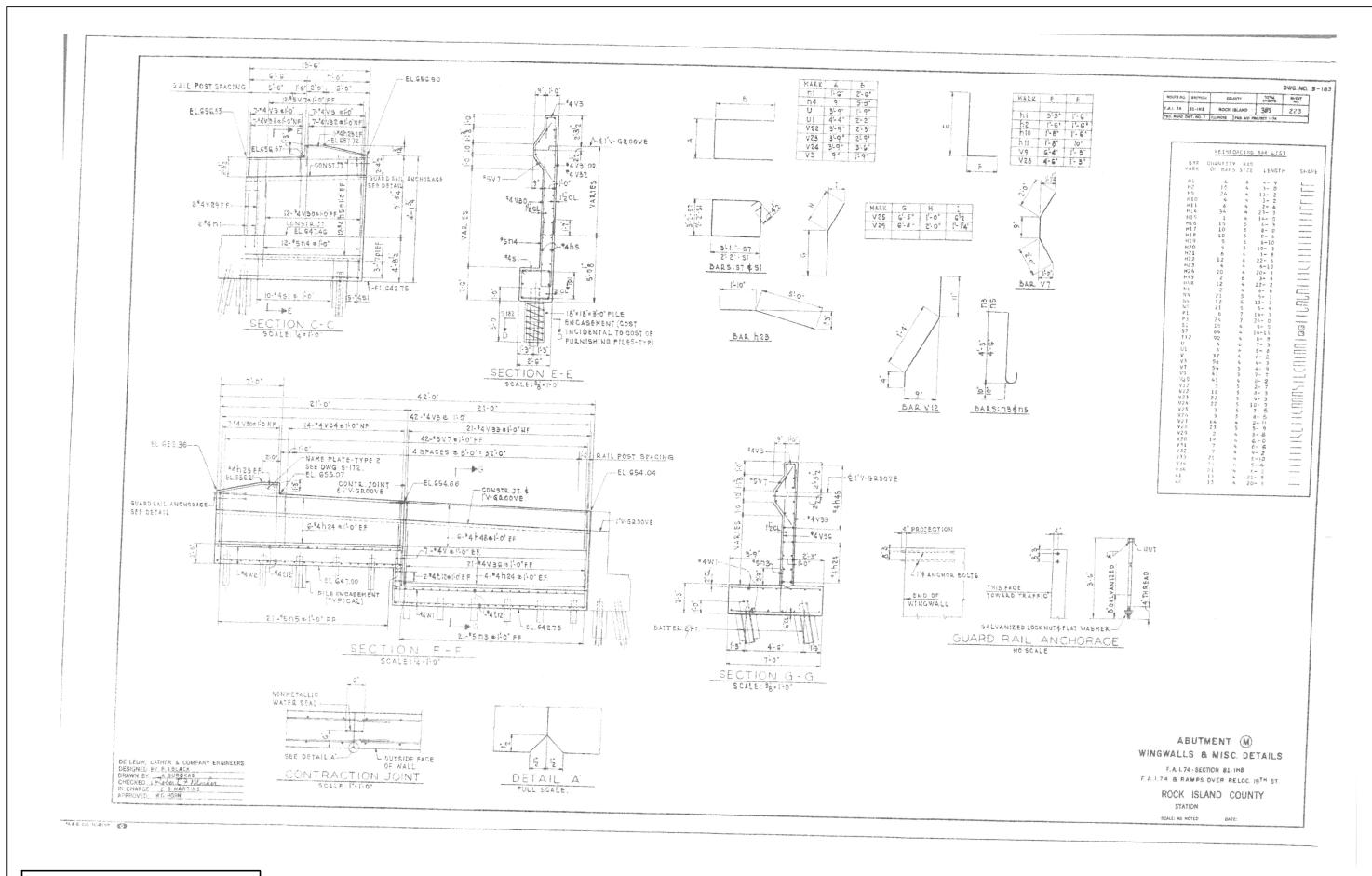
ľ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – ABU
I			CHECKED -	REVISED	STATE OF ILLINOIS	
I	MODJESKI	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0
l	Experience great bridges.	PLOT DATE = 03/23/2017	CHECKED -	REVISED		SHEET NO. 9 OF 45 SH

	_								
ABUTMENT H	F.A.I. RTE		SEC	TION		COU	NTY	TOTAL SHEETS	SHEET NO.
31–0180 EB, 081–0181 RAMP 7TH–A	74		81-1	IHBR		ROCK 1	ISLAND	2042	877
51-0100 EB, 001-0101 HAMI 711-A						CONTE	RACT	NO. 64	E26
45 SHEETS	FED. R	DAD DIST.	NO. 7	ILLINOIS	FED. /	AID PROJE	ст		



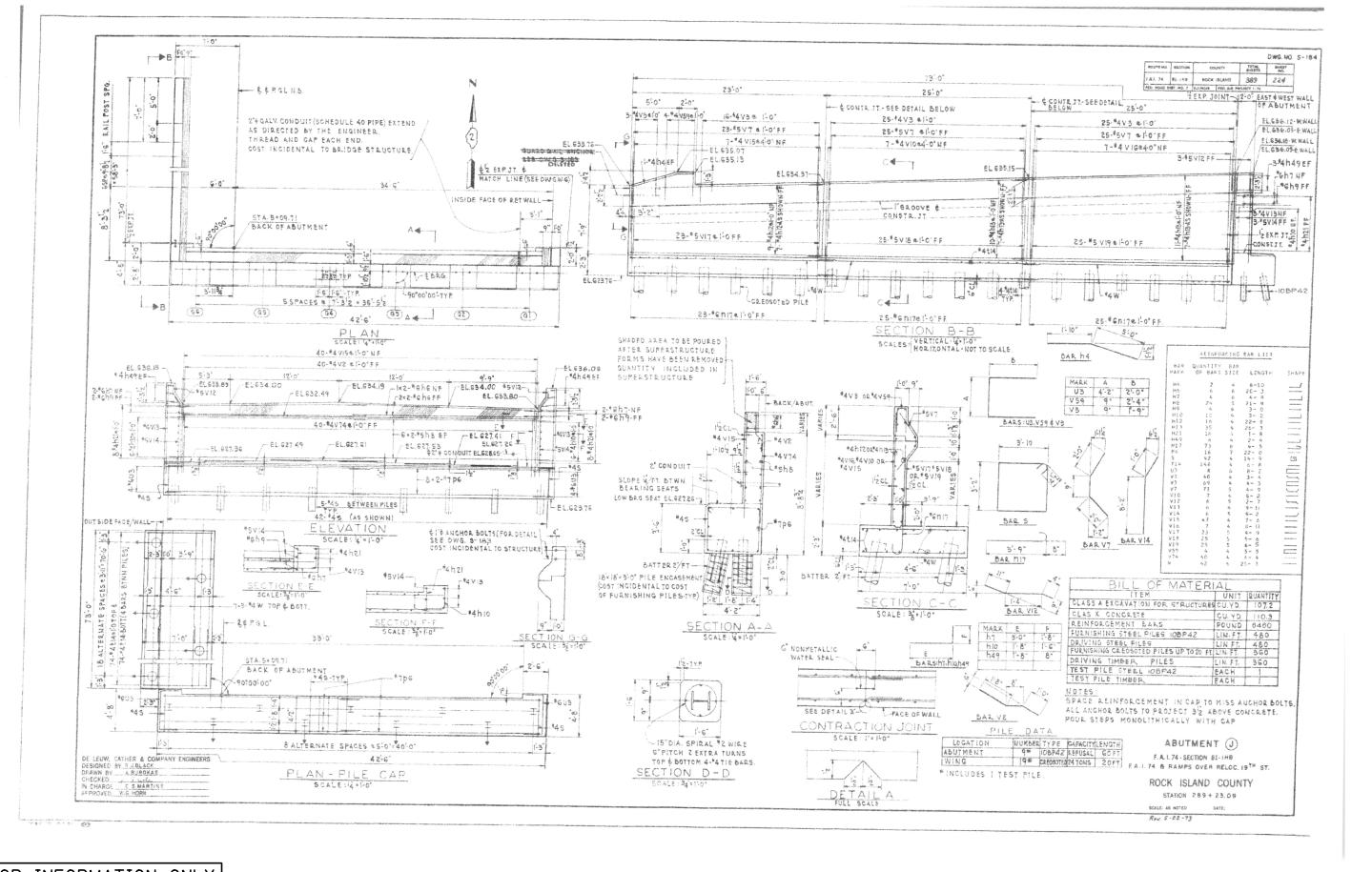
ſ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – ABUTMENT M (I
			CHECKED -	REVISED	STATE OF ILLINOIS	
	MODJESKI MASTERS	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0
L	Experience great bridges.	PLOT DATE = 03/23/2017	CHECKED -	REVISED		SHEET NO. 10 OF 45 SH

ROCK ISLAND 2042 878 -0180 EB, 081-0181 RAMP 7TH-A CONTRACT NO. 64E26 SHEETS



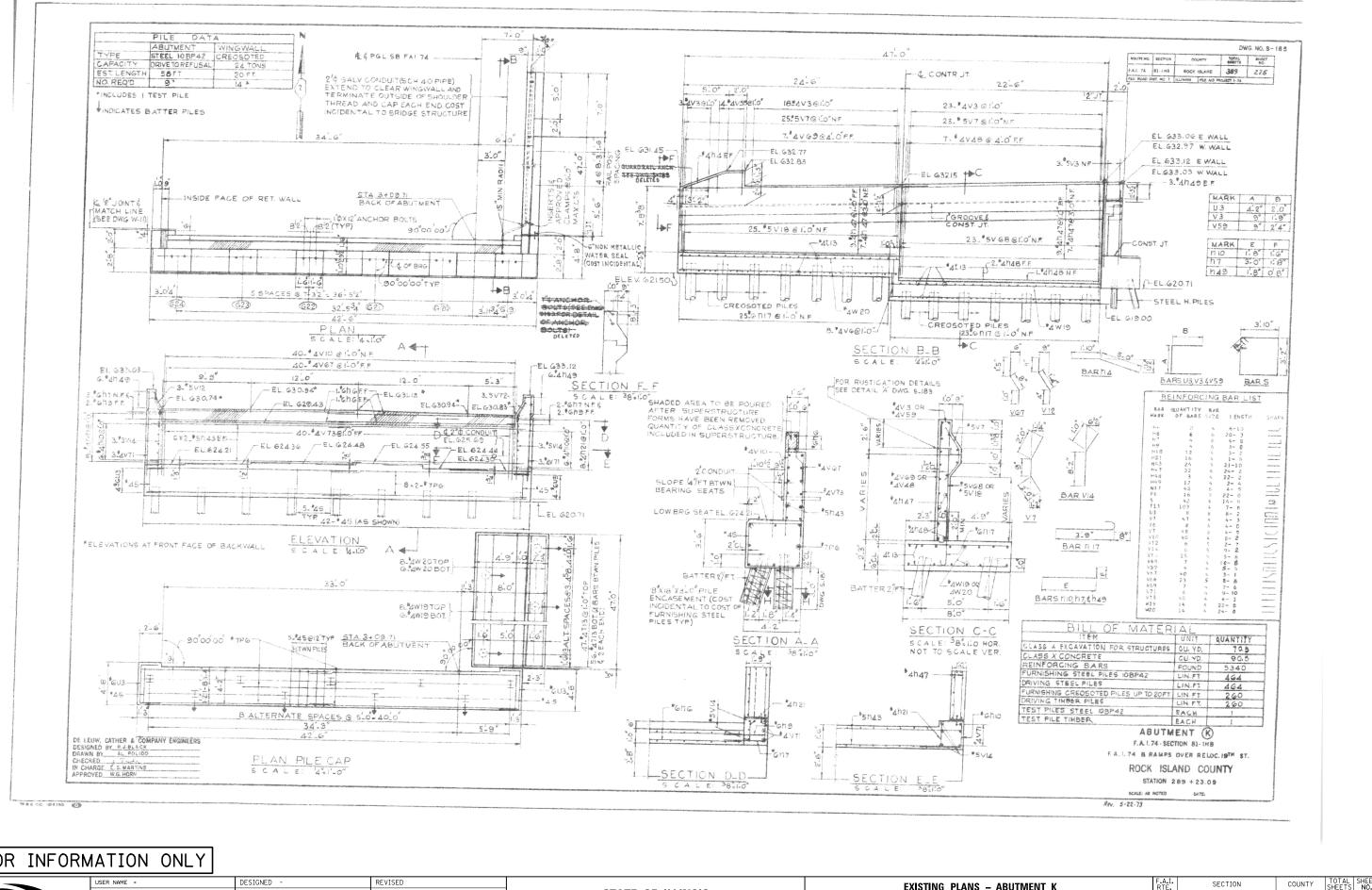
ľ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – ABUTMENT M (WIN
			CHECKED -	REVISED	STATE OF ILLINOIS	
	MODJESKI MASTERS	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0
l	Experience great bridges.	PLOT DATE = 03/23/2017	CHECKED -	REVISED		SHEET NO. 11 OF 45 SH

WINGWALLS & MISC. DETAILS)	F.A.I. RTE.		SEC	TION		CO	UNTY	TOTAL SHEETS	SHEET NO.
81–0180 EB, 081–0181 RAMP 7TH–A	74		81-	1HBR		ROCK	ISLAND	2042	879
1-0100 EB, 001-0101 HAMI / 111-A						CONT	RACT	NO. 64	E26
15 SHEETS	FED. RO	DAD DIST.	NO. 7	ILLINOIS	FED. /	AID PROJ	ECT		



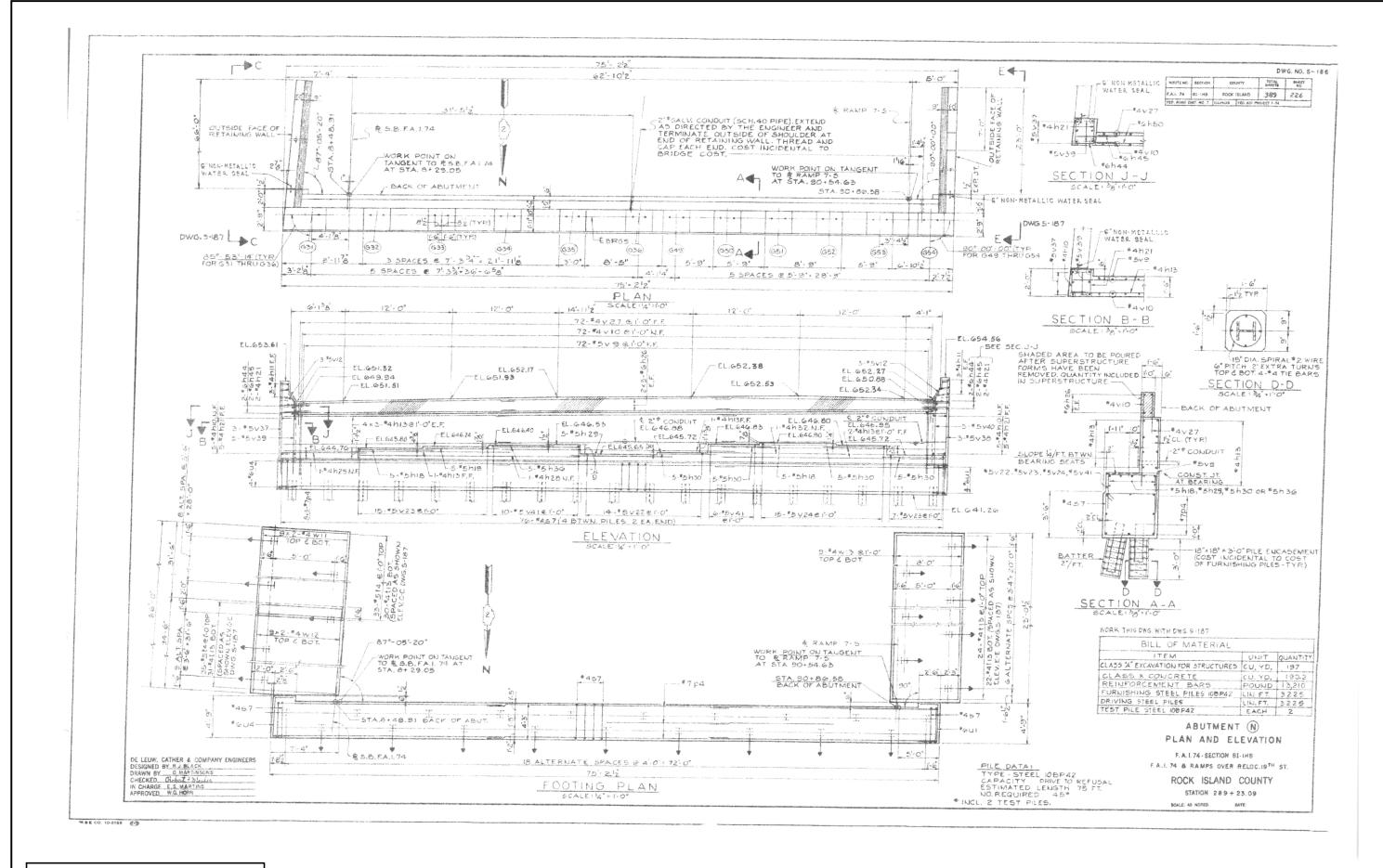
ľ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – ABU
I			CHECKED -	REVISED	STATE OF ILLINOIS	
	MODJESKI	PLOT SCALE =	DRAWN -	REVISED DEPARTMENT OF TRANSPORTATION		I-74 AT 19TH ST SN 081-0179 WB, 081-0
l	Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 12 OF 45 SH

	_								
ABUTMENT J 1-0180 EB, 081-0181 RAMP 7TH-A	F.A.I. RTE.		SEC	TION	COL	JNTY	TOTAL SHEETS	SHEET NO.	
	74		81-1	HBR		ROCK	ISLAND	2042	880
1-0100 EB, 001-0101 NAMF /1H-A						CONT	RACT	NO. 64	E26
15 SHEETS	FED. F	ROAD DIST.	NO. 7	ILLINOIS	FED. A	AID PROJE	ECT		



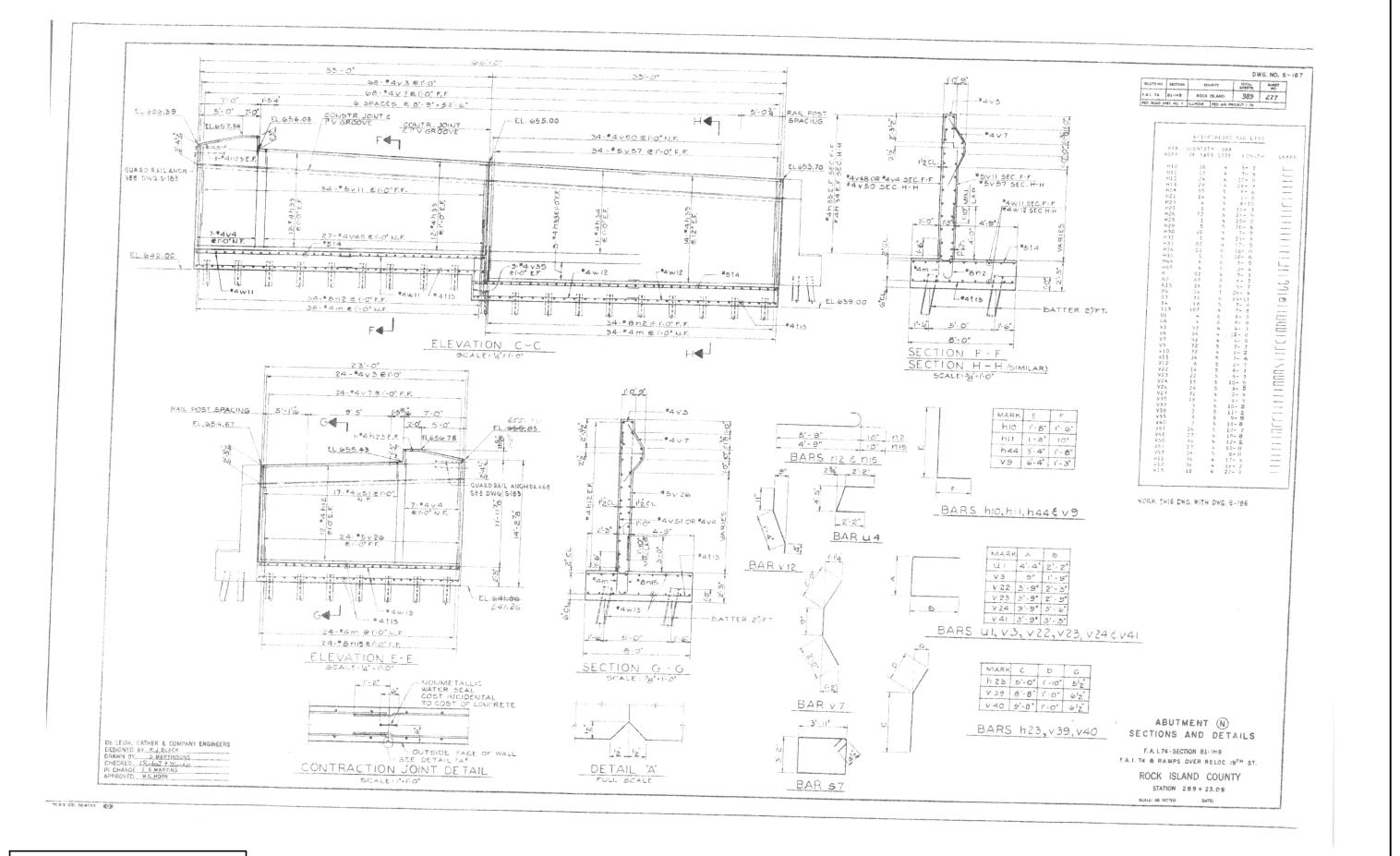
ľ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – ABU
			CHECKED -	REVISED	STATE OF ILLINOIS	
	MODJESKI MASTERS	PLOT SCALE =	DRAWN -	REVISED DEPARTMENT OF TRANSPORTATION		I-74 AT 19TH ST SN 081-0179 WB, 081-0
L	Experience great bridges.	PLOT DATE = 03/23/2017	CHECKED -	REVISED		SHEET NO. 13 OF 45 SH

ABUTMENT K	RTE			St	-C	FION			CO	UNT	(	SHEE	ŝ	NO.	
31-0180 EB, 081-0181 RAMP 7TH-A	74			8	1-1	HBR		F	ROCK	ISL	AND	2042	2	881	
1-0100 EB, 001-0101 NAMF /1H-A								C	CONT	RAC	ст	NO. 6	541	E26	
15 SHEETS	FED.	ROAD	DIST.	N0.	7	ILLINOIS	FED.	AID	PROJ	ECT					



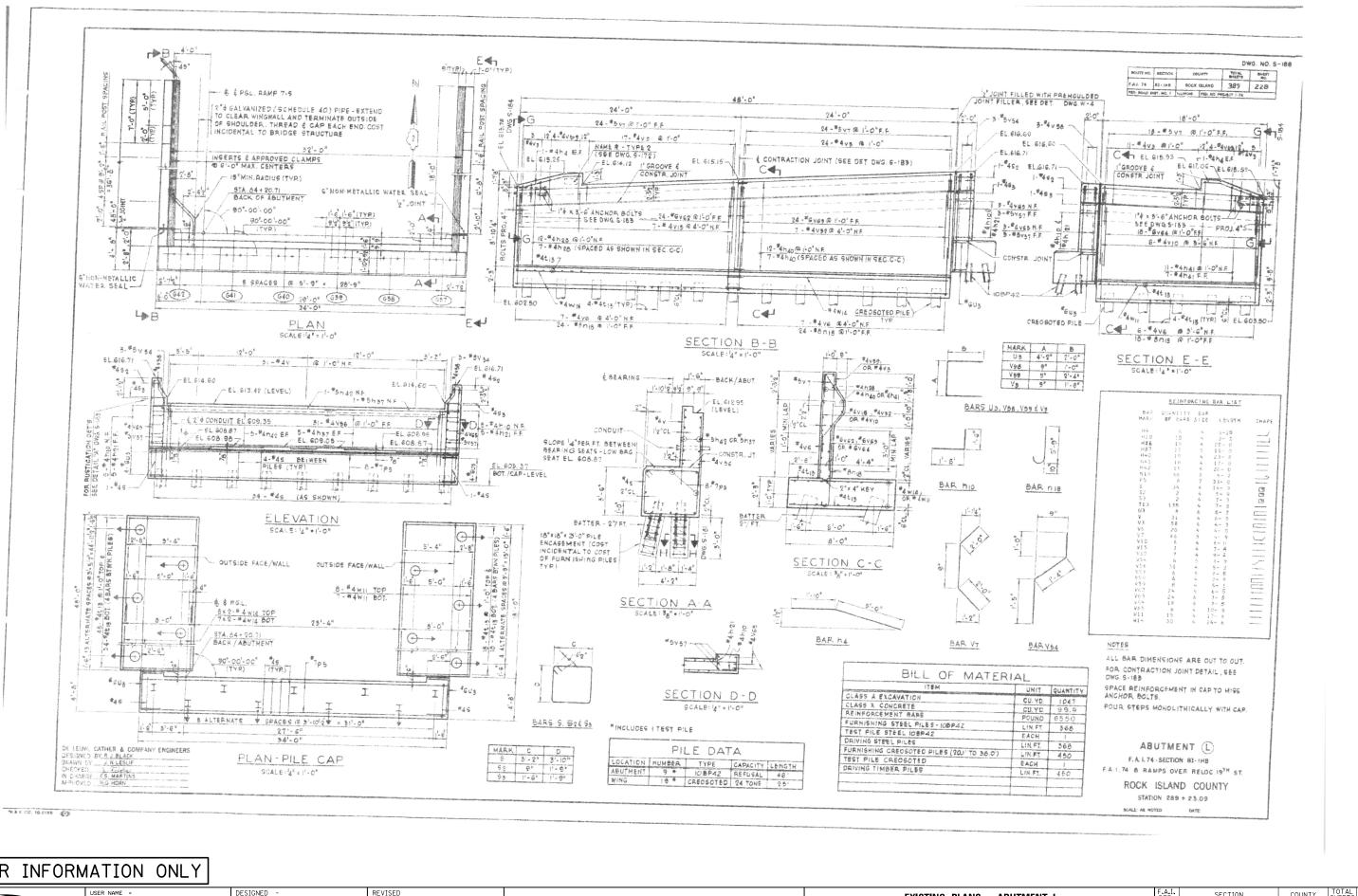
ľ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – ABUTMENT N (F
			CHECKED -	REVISED	STATE OF ILLINOIS	
	MODJESKI	PLOT SCALE =	DRAWN -	REVISED DEPARTMENT OF TRANSPORTATION		I-74 AT 19TH ST SN 081-0179 WB, 081-0
l	Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 14 OF 45 SH

	_								
I (PLAN AND ELEVATION)			SEC	TION		COUNTY		TOTAL SHEETS	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A	74		81-1	HBR		ROCK ISLA	ND	2042	882
1-0100 EB, 001-0101 HAMI / 111-A						CONTRAC	ΤN	10. 64	E26
15 SHEETS	FED. F	ROAD DIST.	NO. 7	ILLINOIS	FED. A	ID PROJECT			



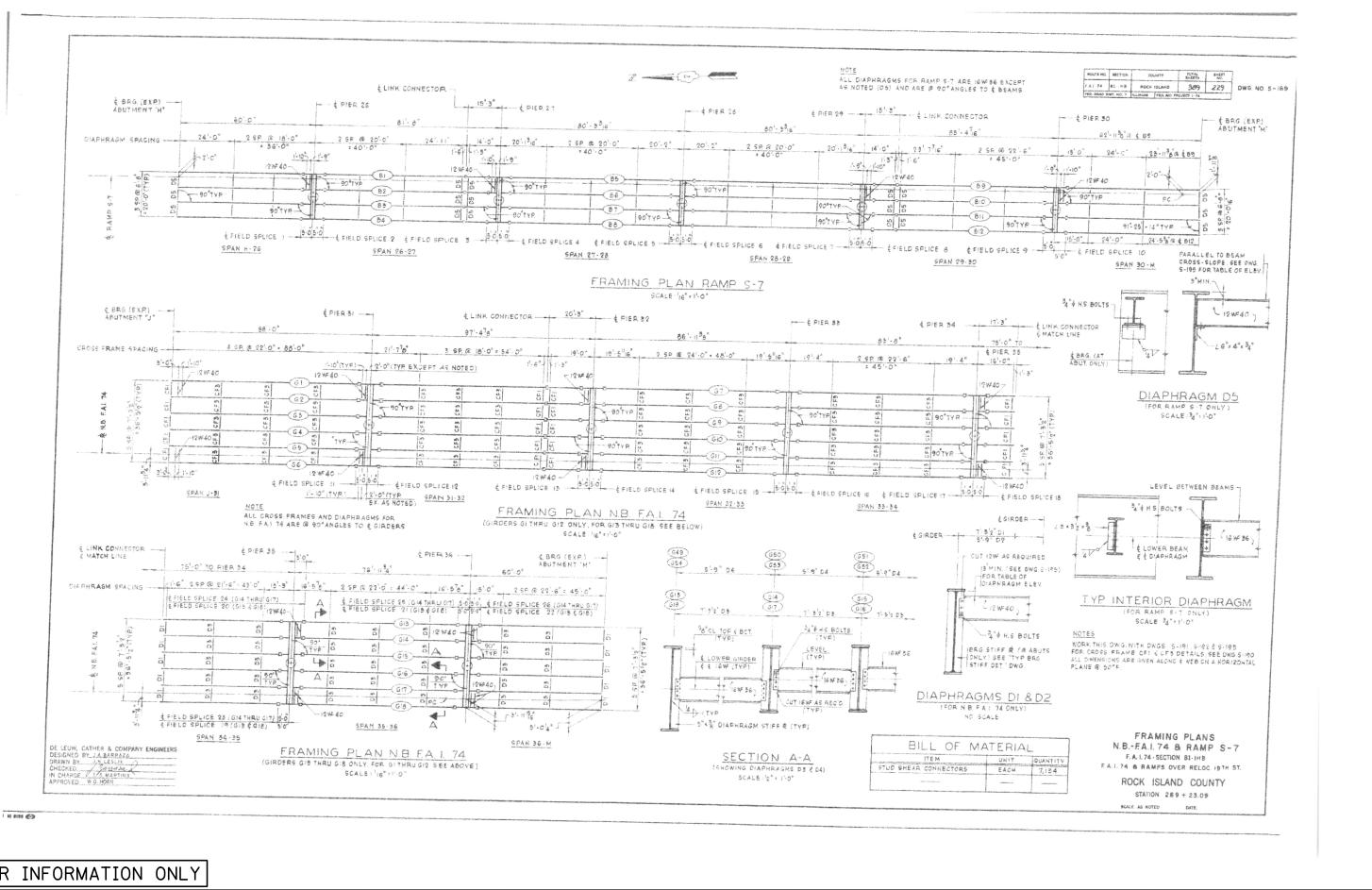
I		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – ABUTMENT N (S
I			CHECKED -	REVISED	STATE OF ILLINOIS	
	MODJESKI	PLOT SCALE =	DRAWN -	REVISED DEPARTMENT OF TRANSPORTATION		I-74 AT 19TH ST SN 081-0179 WB, 081-0
	Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 15 OF 45 SH

(SECTIONS AND DETAILS)		SEC	TION	COUNTY	TOTAL SHEETS	SHEET NO.
1–0180 EB, 081–0181 RAMP 7TH–A	74	81-1	HBR	ROCK ISLAND	2042	883
1-0100 EB, 001-0101 HAMI / 111-A				CONTRACT	NO. 64	E26
45 SHEETS	FED. R	DAD DIST. NO. 7	ILLINOIS FED. A	ID PROJECT		



ſ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – ABU
			CHECKED -	REVISED	STATE OF ILLINOIS	
	MODJESKI ••• MASTERS	PLOT SCALE =	DRAWN -	REVISED DEPARTMENT OF TRANSPORTAT		I-74 AT 19TH ST SN 081-0179 WB, 081-0
	Experience great bridges.	PLOT DATE = 03/23/2017	CHECKED -	REVISED		SHEET NO. 16 OF 45 SH

ABUTMENT L	F.A.I RTE.	•		SE	CTION		CC	DUNT	Y	TOTAL SHEETS	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A		74 81-1HBR							AND	2042	884
1-0100 EB, 001-0101 HAMI / III-A							CON	TRA	СТ	NO. 64	E26
5 SHEETS	FED.	ROAD	DIST.	NO. 7	ILLINOIS	FED.	AID PRO	JECT			



	USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – FRAMING PLAN (N.B
		CHECKED -	REVISED	STATE OF ILLINOIS	
MODJESKI	PLOT SCALE =	DRAWN - REVISED DEPARTMENT OF TR		DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0"
Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 17 OF 45 SH

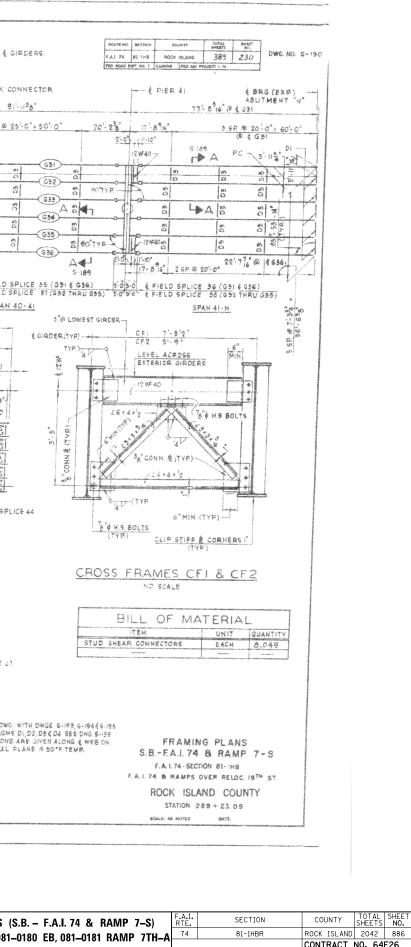
(N.B. – F.A.I. 74 & RAMP S–7)	F.A.I RTE.	•		SE	ECT	ION			CO	UNT	Y	TOTAL SHEETS	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A		4 81-1HBR						R	юск	ISL	AND	2042	885
1-0100 EB, 001-0101 IIAIMI /111-A								C	ONT	RA	СТ	NO. 64	E26
15 SHEETS	FED.	ROAD	DIST.	N0.	7	ILLINOIS	FED.	AID	PROJ	ЕСТ			

					NOT		GMS FOR S.B. F.A.I 74 ARE G	
	- CROSS FRAME É DIAPHRAGM SPACING	ž	Z		/" be be	CRODE FRAMES & DIAPHRA	GMS FOR 5.8. F.A.I. 74 ARE 0	© 90'ANGLES TO €
4BRG (EXR) ABUTMENT 1K" 75'-0"		LINK CONNECTOR 20'-3	É PIER 38	98'.3 <sup>i</sup> 5"	ę p	57'-7"2"	¢ PIER 40 20'	-3" - & LINK
3 SP @ 25'-0"= 75'-0"	4 SP @ 20'.6"=	12:0'	0" 24'-1 <sup>9</sup> 16"	2 SP @ 25'0"= 50'0"	24'.1%6" 21'-3	4" _ 2 5P. @ 22'. 6" = 45	·0" , 21'-3 <sup>3</sup> 4" 10'-0"	
5 <sup>L</sup> 0* 3 <sup>L</sup> -11 <sup>3</sup> 4	- 8 S.B. F.A.I. 74	1.6 1.3 1.	10 <sup>°</sup> , 2'-0" 16 40				and the second statements and the second	2 SP @
			90°TYP EL		00.		21 0 T 10	- CF
-124440 BE U	- 90 TYP LL L	CFI CF3	SO'TYP E	PA (026		C C L A		D C
- CF 25 140-	U 622 U	CF3	C LT C	x0 027 m		C F3	M L	E a
> - 90°TYP 10 B	and and and and and and	CFI CF3	C L	10 (178) m		CC CF 3 C		E E
124640 E E 90'TYF		CFI CFU	CF3	12 025 El 9	PTYP - PYP	С н С н С н С н С н С н С н С н С н С н	Elgo TYP	i a
5 5P @ 7'- 3'2"(TYP) = 36'-5'2"		12 WF 40 -	5-05-0	(630)				0
EFIELD SPLICE 27	5050 & FIELD SPLICE 28	4 FIELD SPLICE 29	FIELD SPLICE	30 ¢ FIELD SPLIC	5 31 - 19 <sup>101310</sup> d	IELD SPLICE 32 É FIELI SPAN 39-40	5 SPLICE 38 5-05-0	FIELD SPLICE 34
				FRAMING P	LAN S.B. FA	1. 74		SPAN
CROSS F	RAME É DIAPHRAGM SPACING				ALE: 16" = 1-0"		É LINK CONNECTOR É N	ATCH LINE
ABUTMENT "L"	LINK CONNECTOR	& PIER 42		4 PIER 43			EPIER 44	
120	-10"	n 🖉 mala ka	(31 <sup>1</sup> -4 <sup>1</sup> 2"			26'-7'8	E CIEV 41	107'-0" TO
25'.0" 25P.0 22'.6'2"=	and a construction of the second se	6 SP @	21-10-4" = 131-42"		19'- 6'16" ,	4 SP.@ 21-1034" =	87'-7" 19 6'16"	4 PIER 45
(3'0"		2-0°CTYP BOTTOM LATE EX. AS. NOTED.) SEE DETAIL	DWG 9-105				12 0 18	1'-3"- -12WF40
AN E SI	2 5 5 12 WE 40 - 5	1	643 B	- the second	Crist	CFS	STATES C	THE EI
00° TYP 2 2 63		BOTYP II BI		1 100	2 90°TYP	C F A	E 90'TYP -	CF2
1-CF2 21 31 04	EI EIE ACTVD.		2 G46 U	SI 90'TYP.	14	TA TA	A CFS	CE EI
	JI EIIS 12WF 40 - HI					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 3/90'TVP.	Z 4 2
BRAMP 7.5	L-42 & FIELD SPLICE 39			3.01×1	<u>.</u>			1102 4 01
1-10° 21-0°	1-10" (TYP)	2'O'(TYP EXCEPT AS NOTED)	<u>2FAN 42142</u>	FIELD SPLICE 41		2 SPAN 43-44	EFIELD SPLICE 43	0 5-0 EFIELD SE
· 2·-0·	$\mathbb{Z}$		G PLAN RAMP	7-S ALL		APHRAGMS FOR RAMP 7-6 AP	E @ 90'ANGLES TO & GIRDER	.6
			G48 ONLY, FOR G49 THRU G CALE: 16" = 1'-0"	54 SE E BELOW)	1 61005		1.000	
É LINK CONNECTOR	APHRAGM SPACING		1		(TVE)	5-9" CF4 7-3'2" CF1	5 CFD 7."6 H	S BOLTS (TYP.)
107'-0" TO & PIER 44	PIER 45	.ð_*	É PIER 46	& BRG (EXP)		I" CL TOP & E		
3 SP @ 20'.0" * 60'.0"			.'08		+		WASHER	
1.6"		<u>SP @ 25'0" = 75'0"</u> D SPLICE 47 (649 €654) 5	2 SP @ 24'0"= 48'-0 0 5'0, € FIELO SPLICE 48	the state of the s	0	3 × 5 /6 2	400	TYP
102	12WE40- PA EFIEL	D SPLICE SI (GBOTHRU GSB) 5	0 50 EFIELD SPLICE 52	(650 THRU 653)	үр) 3 9 2 СЕЗ & СЕ4 3 - 1 12 СЕЗ & СЕ4	5,62	GAGE LINE	A CONN & (TYP)
2 2 2	and a second i have been a second a s	G49 (050) a	18 21	4 6	2 6	1.3131	24	YP EXCEPT @ BOT.
4 D4 D4	The second	651 B 90 TYP.	-12#40 3	2 2	28.9° (174P)	6 + H.	5 BOLT	
2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	a service and the service of the ser	(052) A 47	10 20	20 v	1 0 00 1			4 <sup>3</sup> 4'(TYP)
	307YR-2 12#40 0 2	653 4	FC.24	2 2 00°TVP	02 # 10	2		NOTES
2'.4'2" 4 FIELD SPLICE 45 (649 4 6 4 FIELD SPLICE 49 (690 TH	254) 5:05:0 4 FIELD SPLICE 46 (64) RU 658) 5:05:0 4 FIELD SPLICE 50 (65	(054)	SPA SPA	<u>8</u> N 46: N		BOT. LATERAL CON (TYP. GF5 ONLY)	1" CE3 & CE4	WORK THIS DW FOR DIAPHRAGI ALL DIMENSION À HORIZONTAI
SPAN 44 45 UW, CATHER & COMPANY ENGINEERS		46.46	2.4	02				A HORIZONTAL
				02	C	LUCC EDAMEC	CED CEA D CEE	
NED BY JAN & BARRAZ NED BY JN. 159LE LED J Sances	FRAMING PLA	AN RAMP 7-S				CF5 HAS BOT. LATE CF5 É CF4 DO NOT HAVE B	CF3 CF4 & CF5	

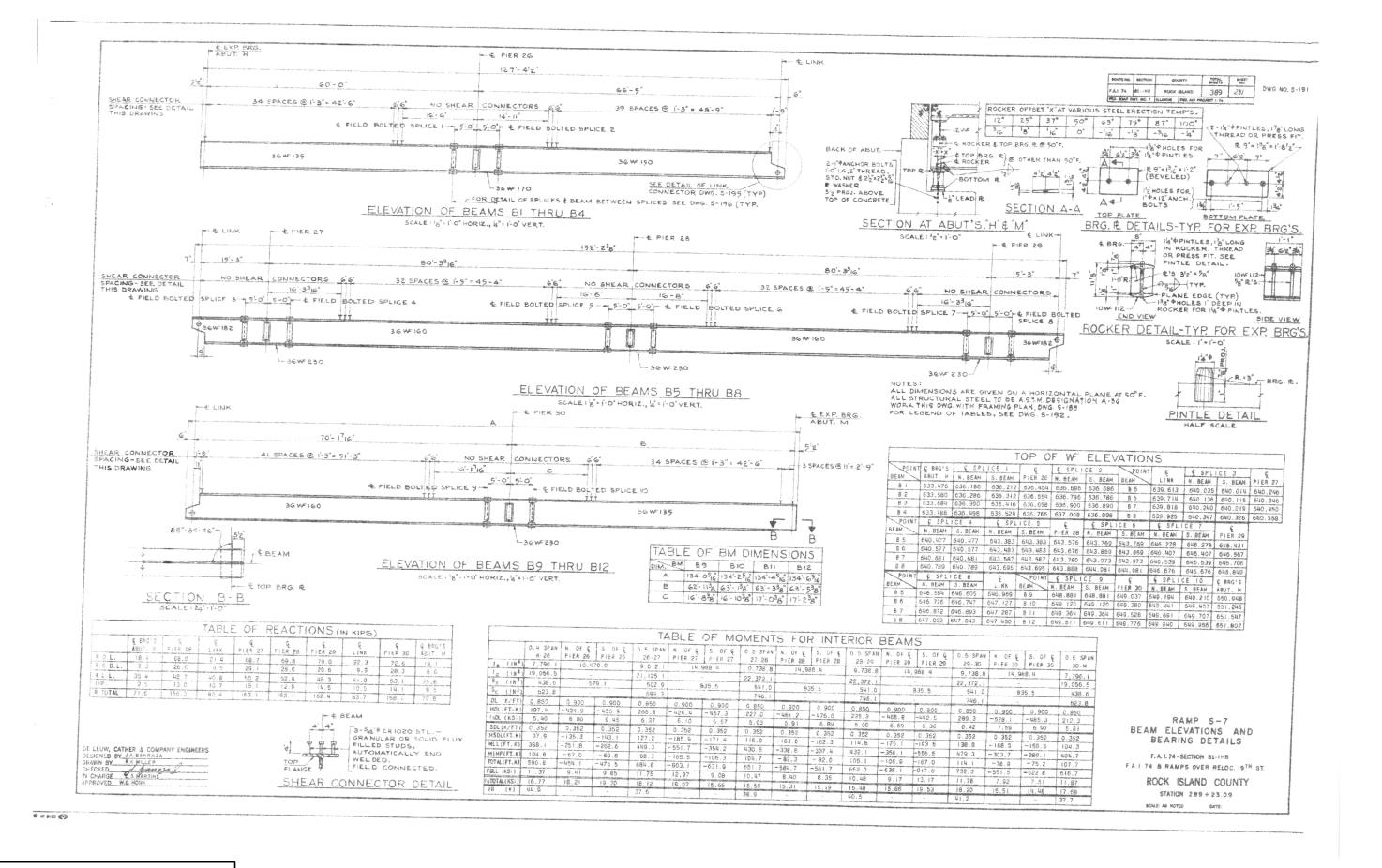
108 10 9155 30

-249.612

	USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – FRAMING PLANS (S.I
		CHECKED -	REVISED	STATE OF ILLINOIS	
MODJESKI •••• MASTERS	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I–74 AT 19TH ST. – SN 081–0179 WB, 081–0
Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 18 OF 45 SH

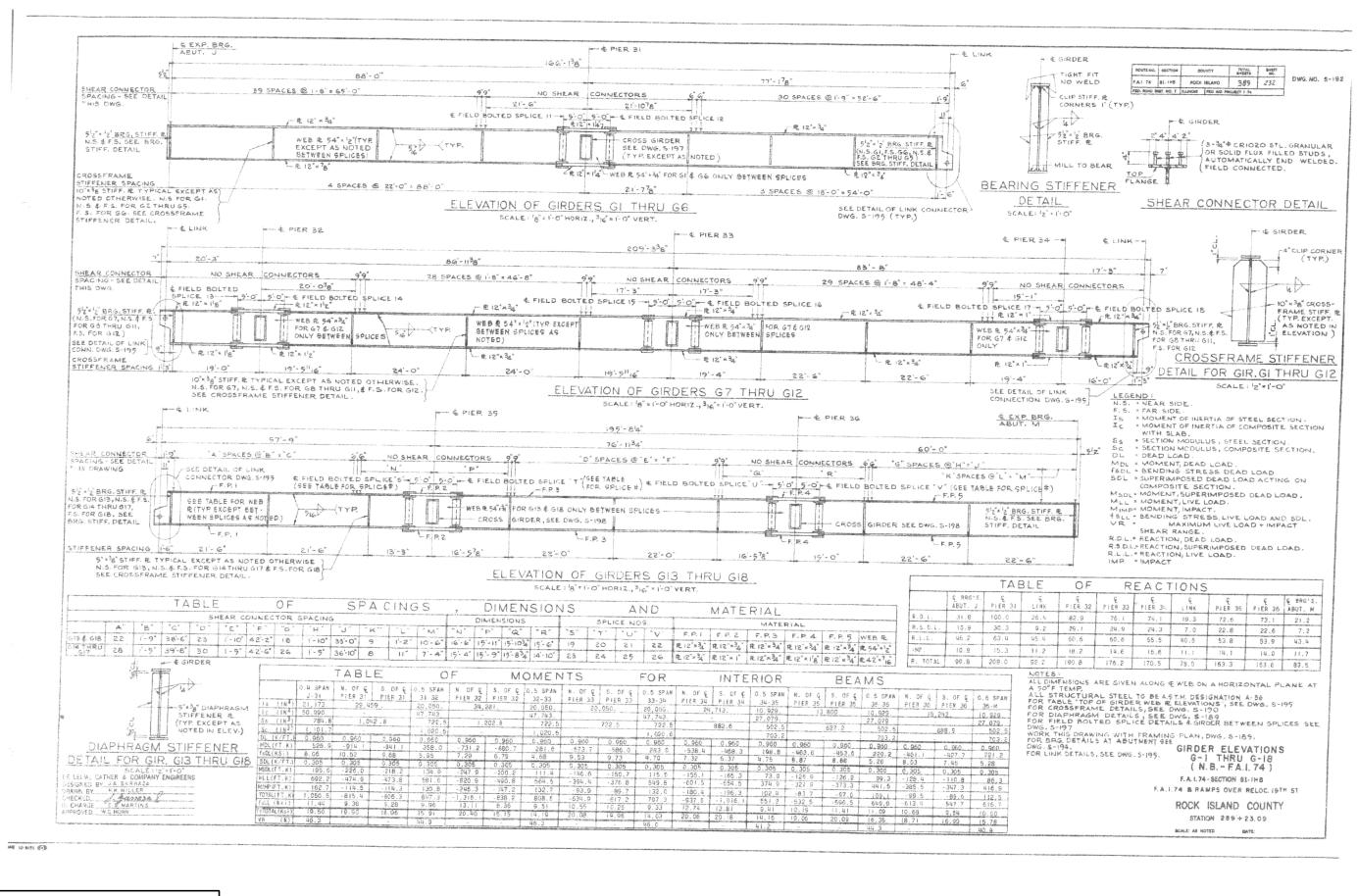


71-0100 EB, 001-0101 HAMI 7111-A									CONTRACT	NO.	64E26
45 SHEETS	FED.	ROAD	DIST.	N0.	7	ILLINOIS	FED.	AID	PROJECT		



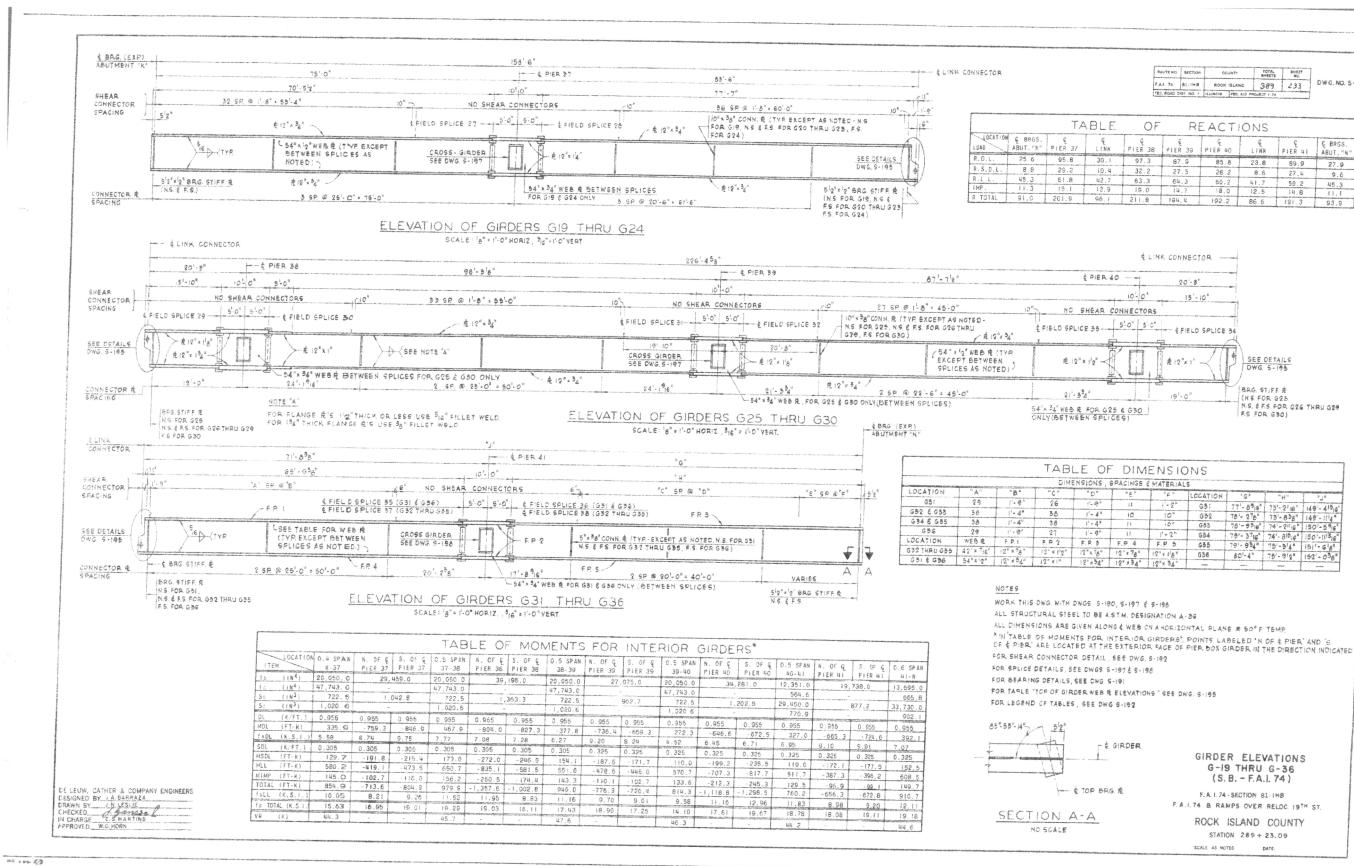
	USER NAME =	DESIGNED - CHECKED - DRAWN -	REVISED REVISED	STATE OF ILLINOIS	EXISTING PLANS – RAMP S–7 (BEAM ELEV I–74 AT 19TH ST. – SN 081–0179 WB, 081–0
MODJESKI end MASTERS Experience great bridges.	PLOT SCALE = PLOT DATE = 03/23/2017	CHECKED -	REVISED REVISED	DEPARTMENT OF TRANSPORTATION	SHEET NO. 19 OF 45 SH

ELEVATIONS & BEARING DETAILS)	F.A.I. RTE		SEC	TION	COU	INTY	TOTAL SHEETS	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A			81-1	IHBR	ROCK	ISLAND	2042	887
1-0100 EB, 001-0101 IIAMI /111-A					CONT	RACT	NO. 64	E26
5 SHEETS	FED. R	OAD DIST.	NO. 7	ILLINOIS FED.	AID PROJE	ст		



	USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – GIRDER ELEVATIONS G-
		CHECKED -	REVISED	STATE OF ILLINOIS	
MODJESKI	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I74 AT 19TH ST SN 0810179 WB, 0810
Experience great bridges.	PLOT DATE = 03/23/2017	CHECKED -	REVISED		SHEET NO. 20 OF 45 SH

G–1 THRU G–18 (N.B. – F.A.I. 74)	F.A.I. RTE.			SE	С	FION			COL	JNTY		TOTAL	SHEET
1-0180 EB, 081-0181 RAMP 7TH-A	74			8	l – 1	HBR		RC	ОСК	ISLA	ND	2042	888
1-0100 EB, 001-0101 HAMI / III-A								C	тис	RAC	Γ	NO. 6	4E26
5 SHEETS	FED. F	ROAD	DIST.	NO.	7	ILLINOIS	FED.	AID F	PROJE	СТ			

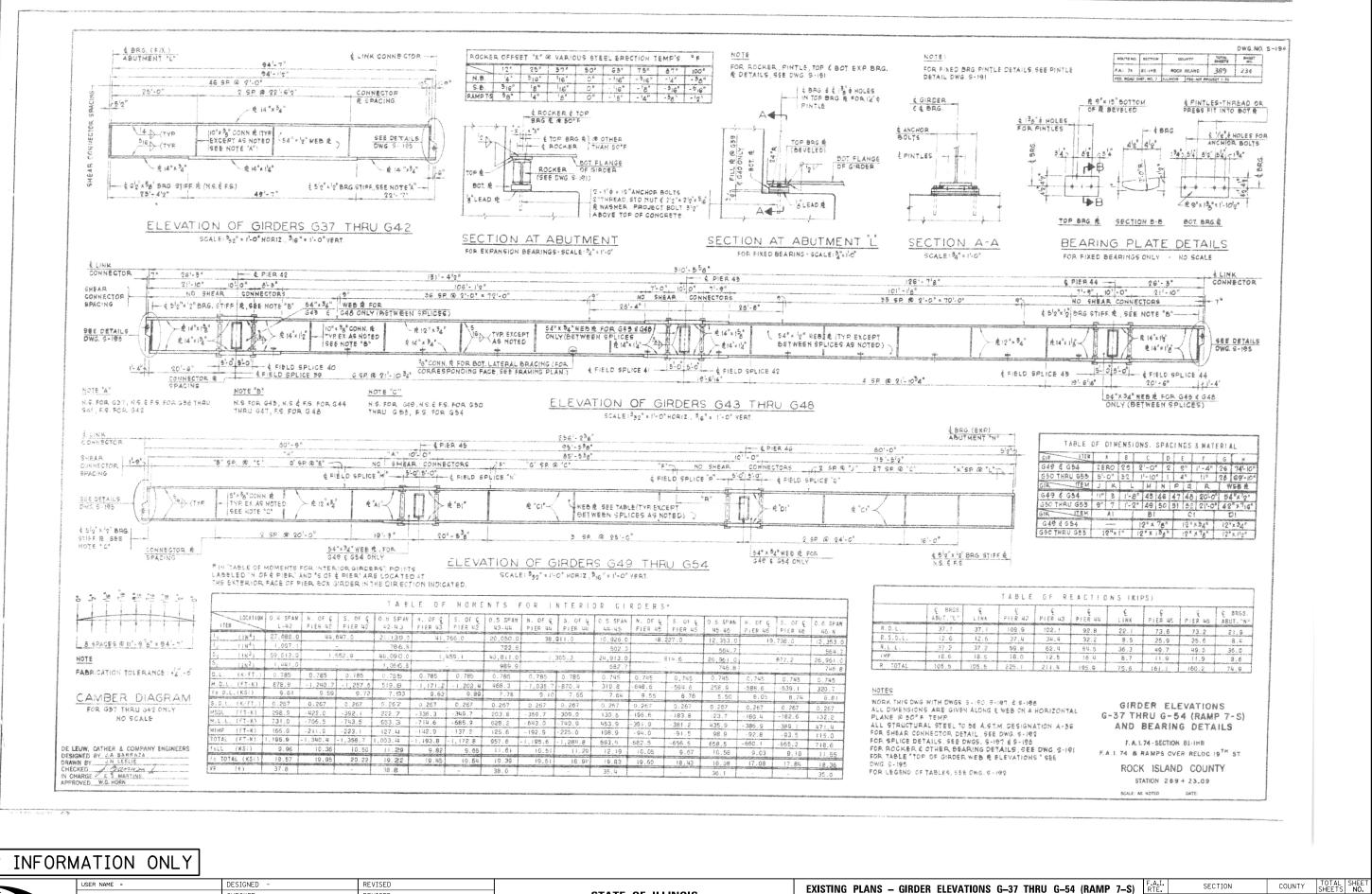


	USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – GIRDER ELEVATIONS G–19 THRU G–36 (S.B. – F.A.I. 74)	F.A.I. SECTION COUNTY TOTAL SHEET
		CHECKED -	REVISED	STATE OF ILLINOIS		
MODJESKI	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0180 EB, 081-0181 RAMP 7TH-A	CONTRACT NO. 64E26
Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 21 OF 45 SHEETS	FED. ROAD DIST. NO. 7  ILLINOIS FED. AID PROJECT

		CUNTY	BHEETS	BHSET NO.	
F.A.I. 74 81-	INB ROC	K ISLAND	389	233	DWG. NO. 5-193

TA	BLE	OF	R	ACT	ONS		
PIER 37	G LINK	E PIER 38	PIER 39	Q PIER 40	Ę LINK	PIER 41	Q BRGS. ABUT. "N"
95.8	30.1	97.3	87.9	85.8	23.8	89.9	27.9
29.2	10.4	32.2	27.5	28.2	8.6	27.4	9.6
51.8	42.7	63.3	64.3	60.2	ù1.7	59.2	45.3
15.1	12.9	19.0	14.7	18.0	12.5	14.8	11.1
201.9	96.1	211.8	194.4	192.2	86.6	191.3	93.9

AB	LE OF	DIM	ENSIC	DNS			
DIM	INSIONS .	SPACINGS (	MATERIAL	.5		a na baran dari serin sara terda siya b	- Distantan in an an an ang an ang an
"C"	"D"	"E"	"F "	LOCATION	'G'	1 "#"	1 734
26	1-91	11	1-2"	G31	77'- 89,9"	73'-216"	120-215,2
38	1-4"	10	10"	632	78'- 278"	73'- 838"	140-1114
38	11-48	11	10"	G83	78'-9316"		150'-5%
27	1'- 9"	11	1'-2"	634	79'- 3715"		150'-111316"
P.2	F.P.B	F.P.4	F.P. 5	635	79'- 934"	75'-314"	1511- GIAN
"×1'2"	12" x 78"	12" x 78"	12" × 118"	G36	801-4"	75'- 9'0"	152'-036"
K TH	12" x 34"	12" × 34"	12"x 34"	-			100-0-0



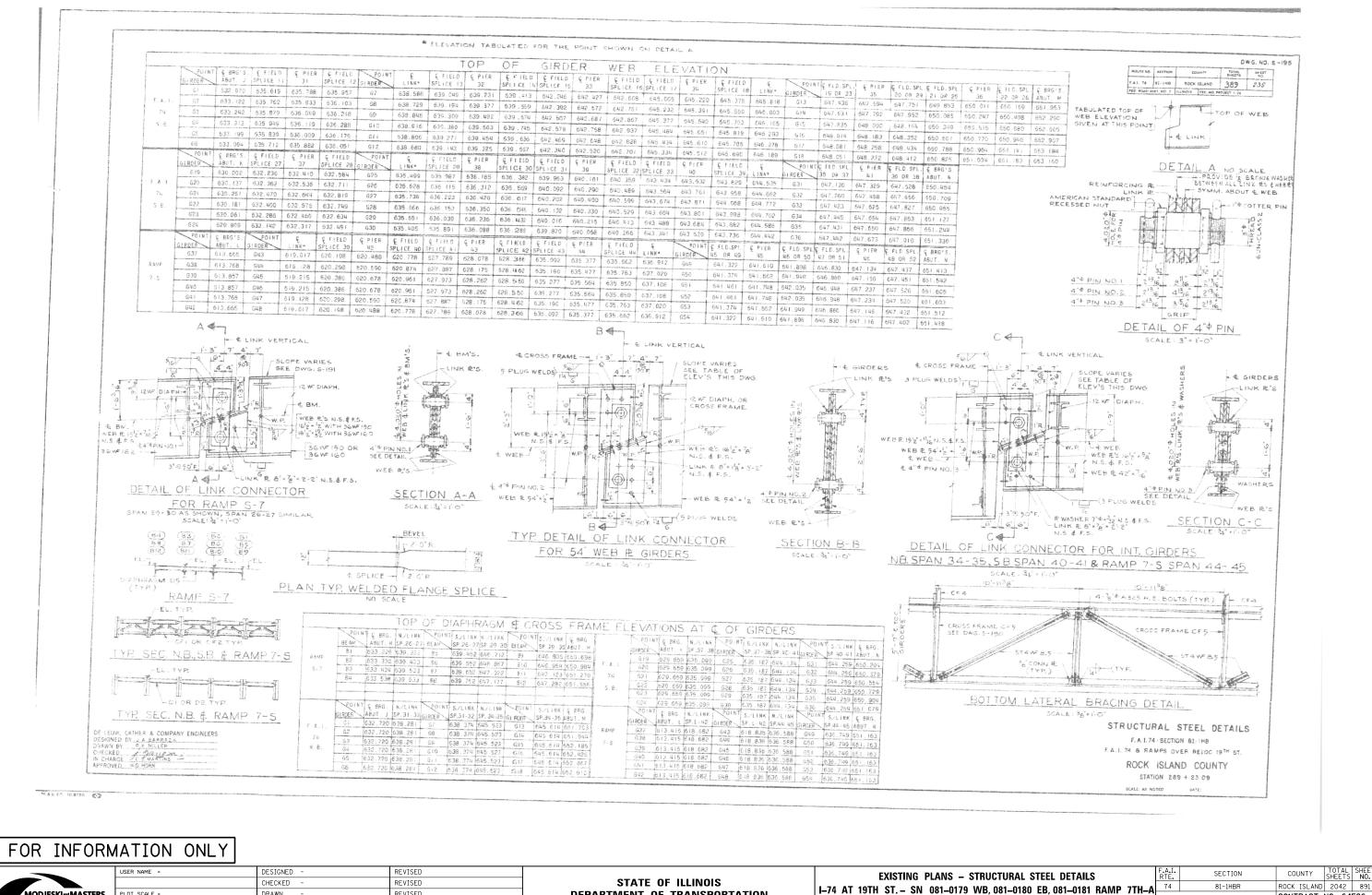
	USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – GIRDER ELEVATIONS G–37 THRU G–54 (RAMP 7–S)
		CHECKED -	REVISED	STATE OF ILLINOIS	
<b>MODJESKI</b> MASTERS	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0180 EB, 081-0181 RAMP 7TH-A
Experience great bridges.	PLOT DATE = 03/23/2017	CHECKED -	REVISED		SHEET NO. 22 OF 45 SHEETS

81-1HBR

74

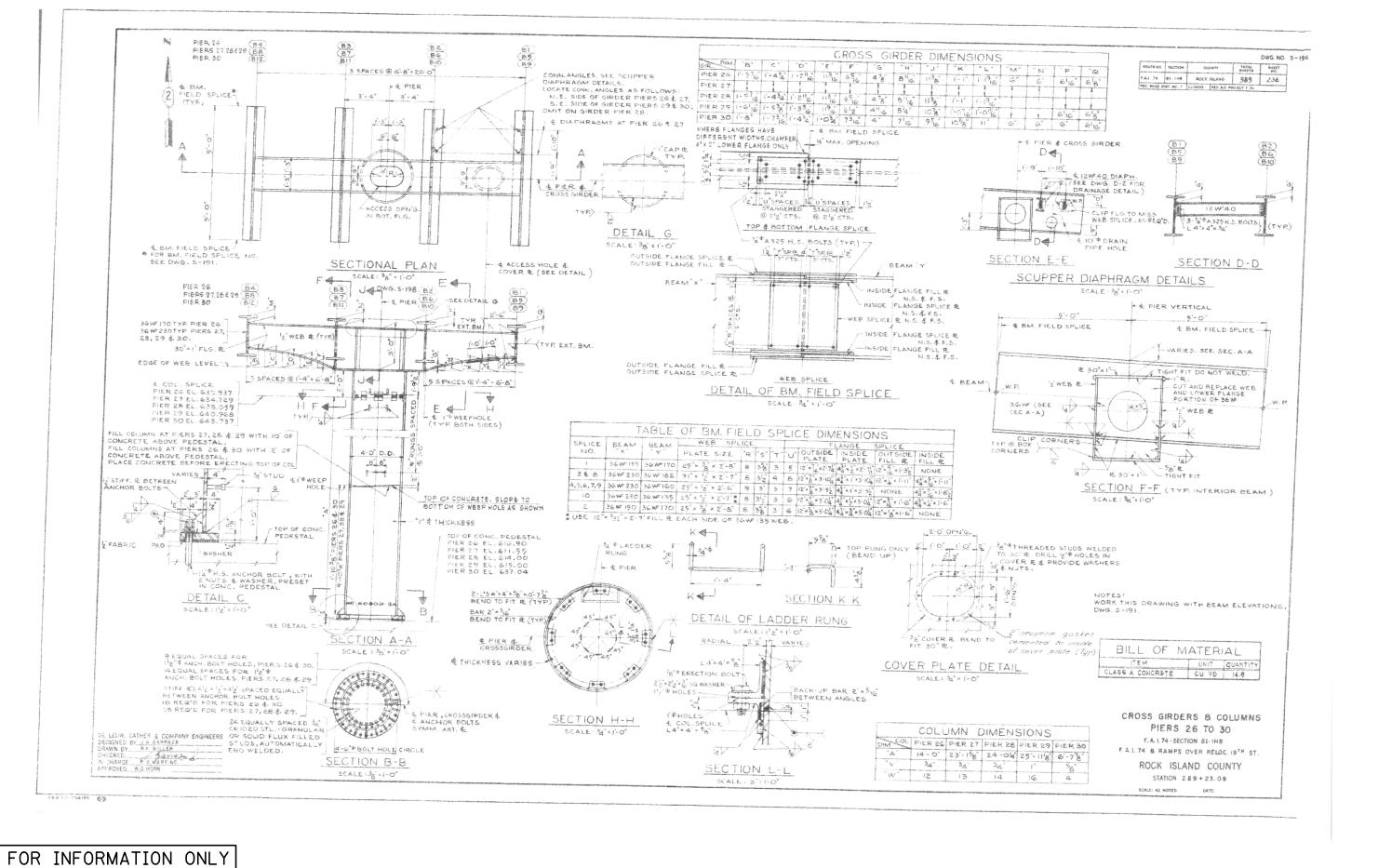
ROCK ISLAND 2042 890

CONTRACT NO. 64E26



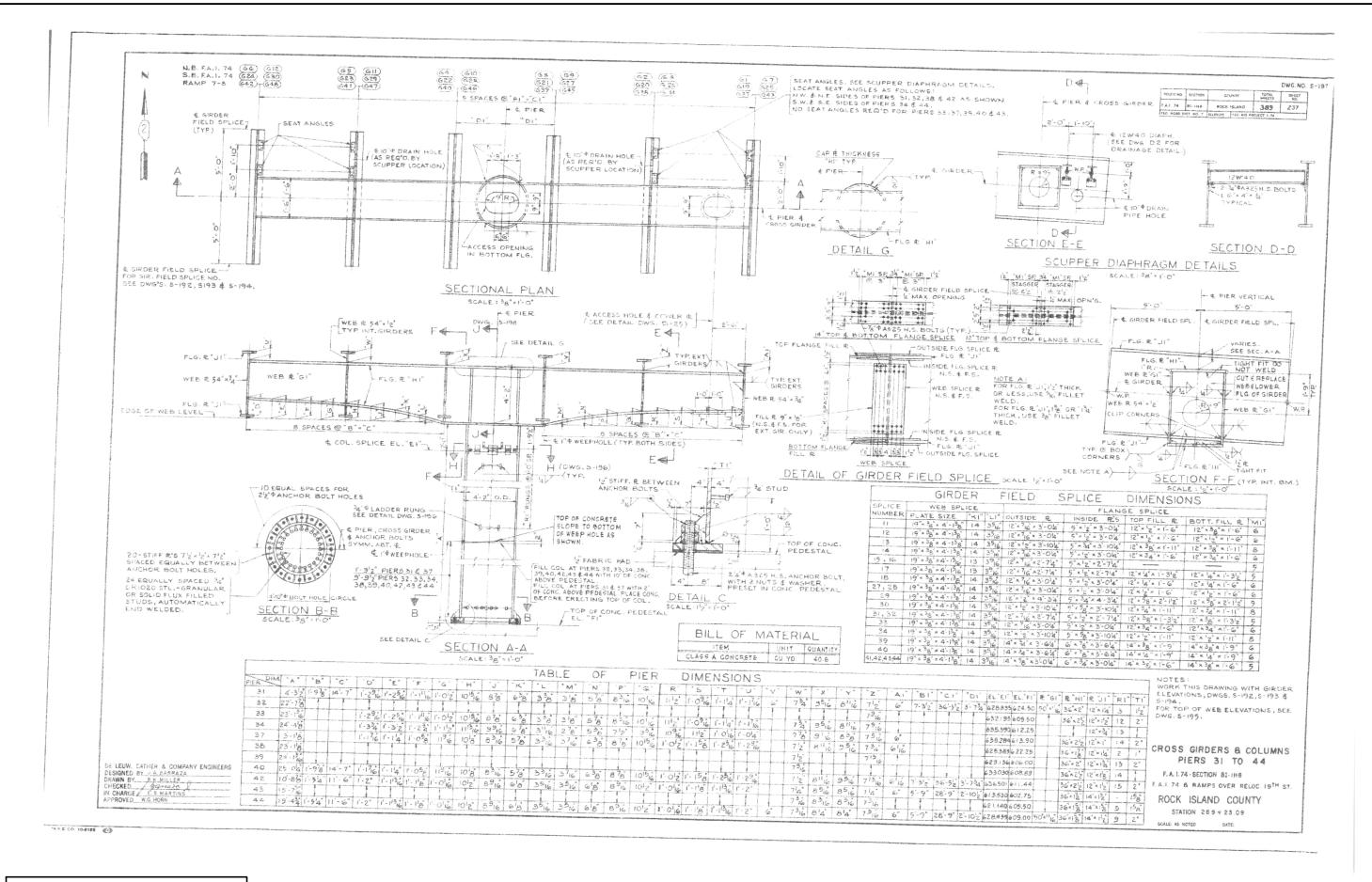
ſ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – STRUCTURA			
I			CHECKED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-			
I	MODJESKI end MASTER: Experience great bridge	PLOT SCALE = PLOT DATE = Ø3/23/2017	DRAWN - CHECKED -	REVISED REVISED		SHEET NO. 23 OF 45 SH			

CON-CICC EB, CON-CICT NAME / IN-A		CONTRACT N	0.64E26
F 45 SHEETS	FED. ROAD DIST. NO. 7 ILLINOIS FED. AI	ID PROJECT	



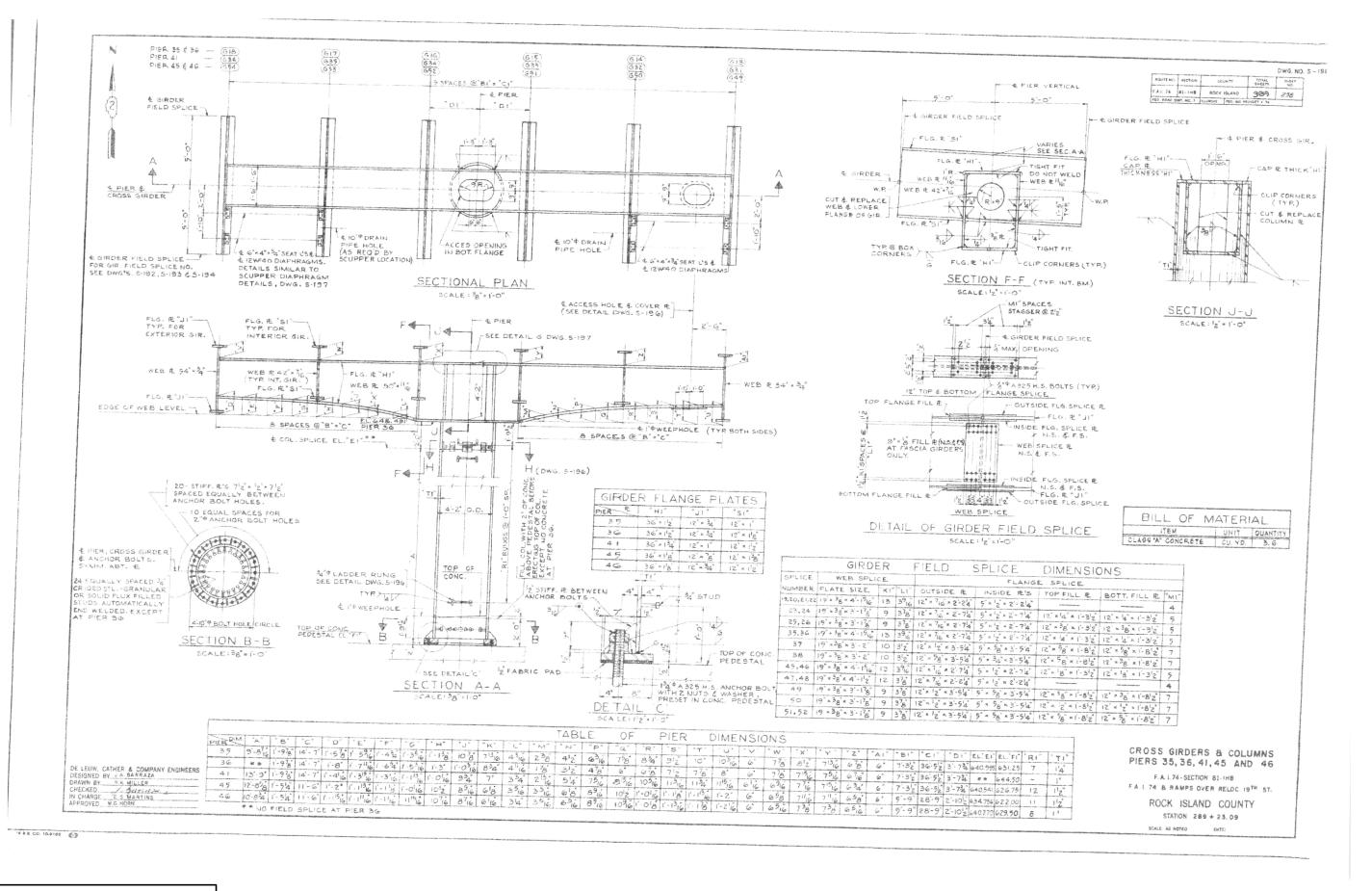
Γ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – CROSS GIRDER & C
			CHECKED -	REVISED	STATE OF ILLINOIS	
L	MODJESKI	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I74 AT 19TH ST SN 0810179 WB, 0810
L	Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 24 OF 45 SH

COLUMNS (PIERS 26 TO 30)	F.A.I. RTE.		SEC	TION		со	UNTY	4	TOTAL SHEETS	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A	74		81-3	lhbr		ROCK	ISLA	ND	2042	892
1-0100 EB, 001-0101 HAMI / III-A						CONT	RAC	ΤŇ	10. 64	E26
5 SHEETS	FED. F	ROAD DIS	F. NO. 7	ILLINOIS	FED. A	ID PROJ	ECT			



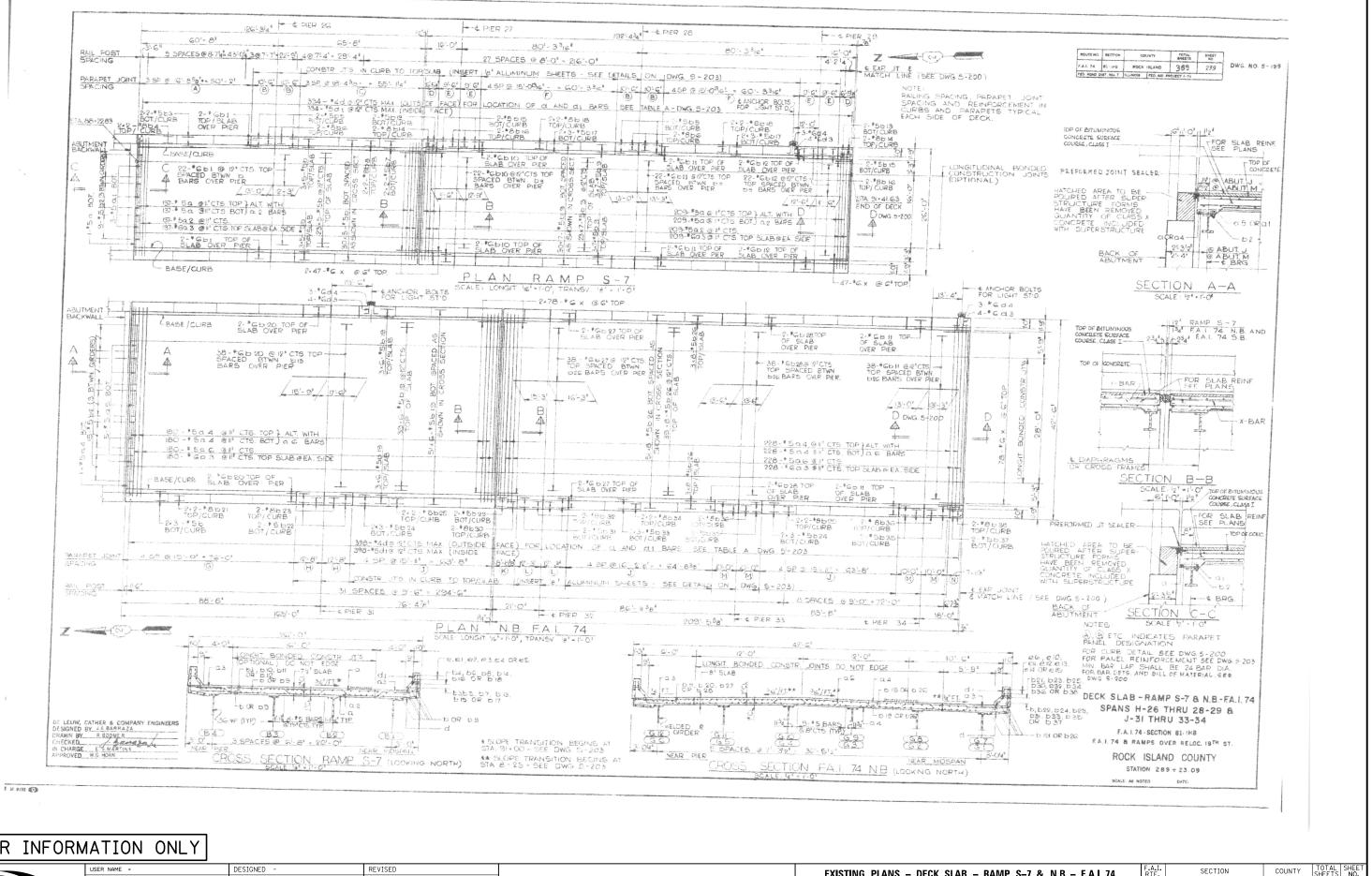
ľ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – CROSS GIRDERS & C
I			CHECKED -	REVISED	STATE OF ILLINOIS	
I	MODJESKI MASTERS	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I–74 AT 19TH ST. – SN 081–0179 WB, 081–01
l	Experience great bridges.	PLOT DATE = 03/23/2017	CHECKED -	REVISED		SHEET NO. 25 OF 45 SH

	_								
& COLUMNS (PIERS 31 TO 44)	F.A.I. RTE		SEC	TION		COUN	ITY	TOTAL SHEETS	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A	74		81-1	HBR		ROCK I	SLAND	2042	893
1-0100 EB, 001-0101 HAMI / III-A						CONTR	ACT	NO. 64	E26
5 SHEETS	FED. R	OAD DIST.	NO. 7	ILLINOIS F	ED. AI	D PROJEC	Т		



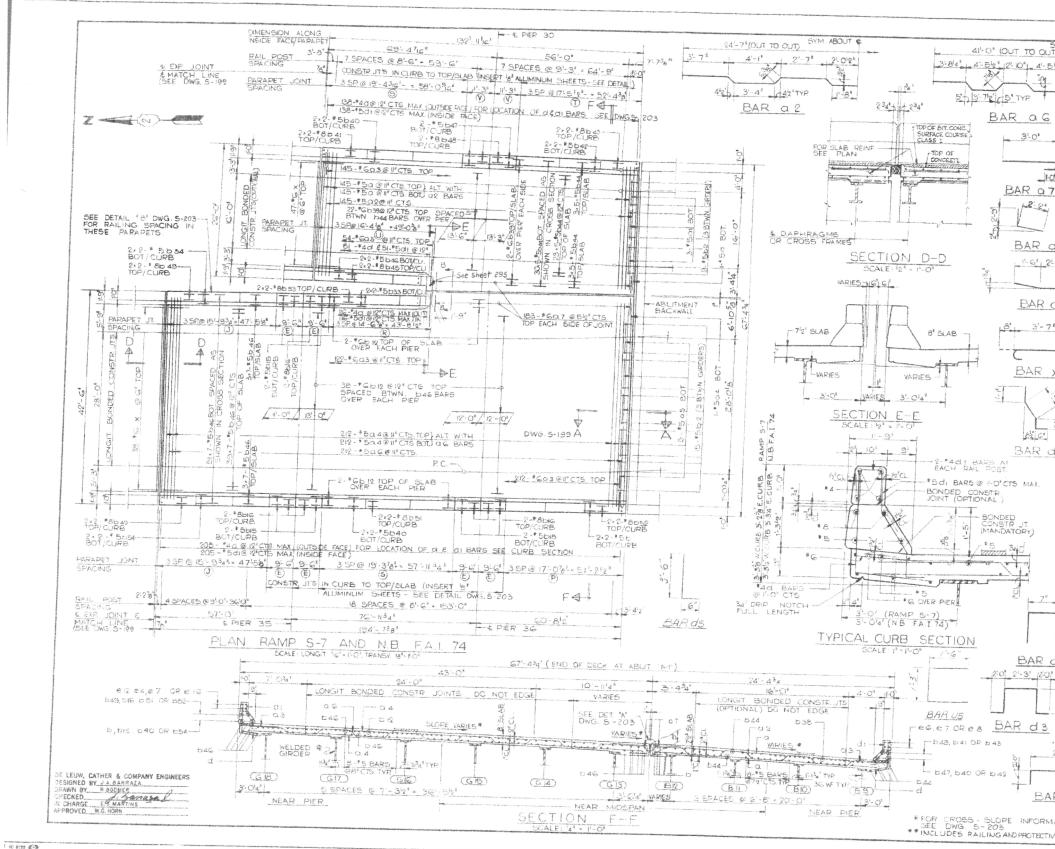
Γ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – CROSS GIRDERS & CO
			CHECKED -	REVISED	STATE OF ILLINOIS	
Т	MODJESKI	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0
	Experience great bridges.	PLOT DATE = 03/23/2017	CHECKED -	REVISED		SHEET NO. 26 OF 45 SH

COLUMNS (PIERS 35,36,41,45&46)	F.A.I. RTE		SECTION		CO	UNTY	TOTAL SHEETS	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A			81-1HBR		ROCK	ISLAND	2042	894
1-0100 EB, 001-0101 IIAMI /111-A					CONT	RACT	NO. 64	E26
5 SHEETS	FED, R	DAD DIST. NO	0.7 ILLING	DIS FED. /	AID PROJ	ECT		



MODJESKI erd MASTERS Experience greet bridge.	PLOT SCALE =	DESIGNED - CHECKED - DRAWN -	REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS – DECK SLAB – RAN I–74 AT 19TH ST. – SN 081–0179 WB, 081–0
	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 27 OF 45 SH

RAMP S–7 & N.B. – F.A.I. 74	F.A.I RTE			SE	С	FION			COI	JNTY	SHEE	AL ETS	SHEE
81–0180 EB, 081–0181 RAMP 7TH–A	74			81	l – 1	HBR		R	OCK	ISLAND	204	42	89
01-0100 EB, 001-0101 HAMI / III-A								С	ONT	RACT	NO.	64E	26
45 SHEETS	FED.	ROAD	DIST.	N0.	7	ILLINOIS	FED.	AID	PROJ	ECT			



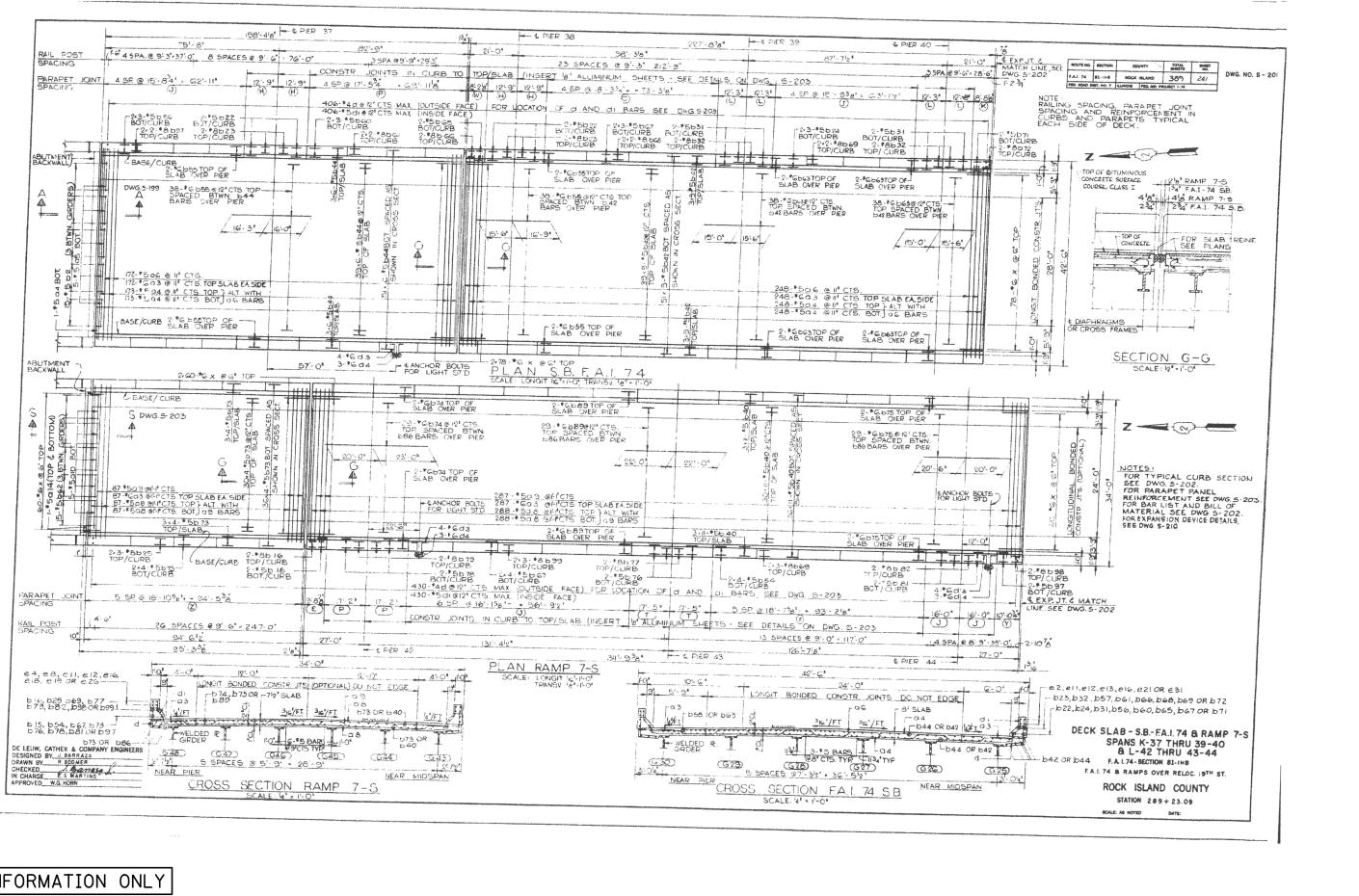
Γ		USER NAME =	DESIGNED -	REVISED	STATE OF ULINOIS	EXISTING PLANS – DECK SLAB – RAN		
	MODJESKI and MASTERS	PLOT SCALE =	CHECKED - DRAWN -	REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 08		
L	Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 28 OF 45 SH		

SYM. ABOUT	
512 2-10 2:23	4

 КОЛТЕ НО.
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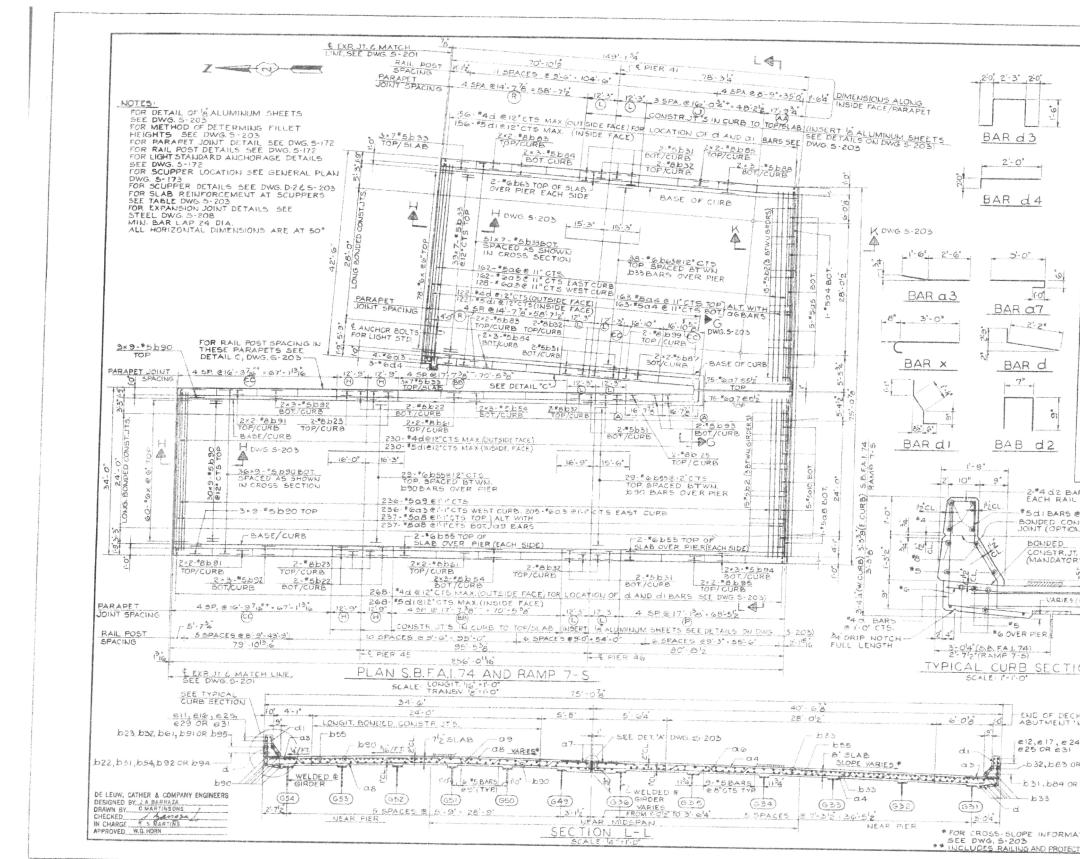
		R	AMP	S - 7	an a	1	NORTH 8	OUND -	FA	74
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To:	BAR	GUANTIT OF BAR				8.	AH QUANTII	Y BAR		Personal of
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3	E13 514	5 8	5	6- 2 8- 2	and an age	825 926 827	768	5	33- 0 27- 3	
-	E15 815 817	16	5	9- 2	Alterna galan	B28 B29	42	5	81- 6 27- 0 8- 3	
-1	818 839	24 16 26	5 8 6	21- 0 31- 3 26- 9	an a	830 831	4 6	8 5 1	6- 3	
	840 841	4 4	5	29- 6	1 Windows	B32 B33 B34	16	8 1 5 2	1-10	
	形42 1543 R44	d.; .(.	5	26- 9 77- 2 27- 6	nanhalaga	835 835	8 16 16	5	3- 3 9- 9 9- 9	
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	847 848	4	5	9-10 9-10		845 849 851	672 8	6 2	8-10	
11	B06 0 01	26 857	5	2-4		852 853	4	8 21	9-6 6-6 2-9	
- 0	02 03	857 202 4	5 4 6	3- 8 2- 1 9- 3	Ē	854 896 D	8 96	5 2.	- 3 - 4 - 11	
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E E	14	3.2 64	4 4 1	6- 1 9- 2 14- 9		E 4 E 7	24 12	4 19	- 2	
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L	NOT	ES:		900 haran gagarang						
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					ON DWG. BARS IND 1. 3 LENG 1.24 BAR					a de la calega de la
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	SEE	RAILING	SHEET	FOR PA	DAPET IG	INT EIL	LER DETAIL			
	p	LOCATION	UF B	TIA CHAR	, A12 8 890	S, SEE SI	CUPPER DIAR	HRAGMS,	DWG.S-	203.
6				BILL	. OF	MA	TERIAL	-		
er e			ITE	M	L	NIT		VTITIES		
2	BIT	UMINOUS	CON	CRETE			RAMP 5-7		CONTRACTOR AND	
**	Contraction of Contra	AL TAR IN	TRACCORD IN AND		4	TON	96	2	08	
0	PRO	DIECTIVE.	COA	ATER T		2.YD.	1133	24	70	
-	REI	HE MART	(IME)	VT PA	17	I. YD.	372.4	73		
	1	3 (MICHAE) 3 (M	1 144	ALL INKS	* * 11 IA	GT I	669	179.	6	
	DETAILS	ON DWG.S-	199		* * SO		309	58	And the second second second	
				ULCK	SPAN	- KAN S 29	1P S-7 8 -30, 30	N.B1	A.I.7	4
					34-	35, 3	5-36,36	-M		
						4 - SECTI	ION 81- IHB			-
<u>O</u> <sup>s</sup>					P. A. I. J					
O <sup>s</sup>	4			EA.	.74 8 R				37.	
C'	4			E.A.I	ROCK	ISLA	ND COU	NTY	57.	link my ten sy white watersame
d i		T. WINGV	VALLS		ROCK	ISLA		NTY	37.	na en esta esta esta esta esta esta esta esta

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RAMP S–7 & N.B. – F.A.I. 74	F.A.I. RTE	SEC	TION	COUNTY	TOTAL SHEETS	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A	74	81-1	HBR	ROCK ISLAND	2042	896
1-0100 EB, 001-0101 IIAMI /111-A				CONTRACT	NO. 64	E26
5 SHEETS	FED. RO	DAD DIST. NO. 7	ILLINOIS FED. A	ID PROJECT		



I		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – DECK SLAB – S.B
I			CHECKED -	REVISED	STATE OF ILLINOIS	
I	MODJESKI MASTERS	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0
l	Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 29 OF 45 S

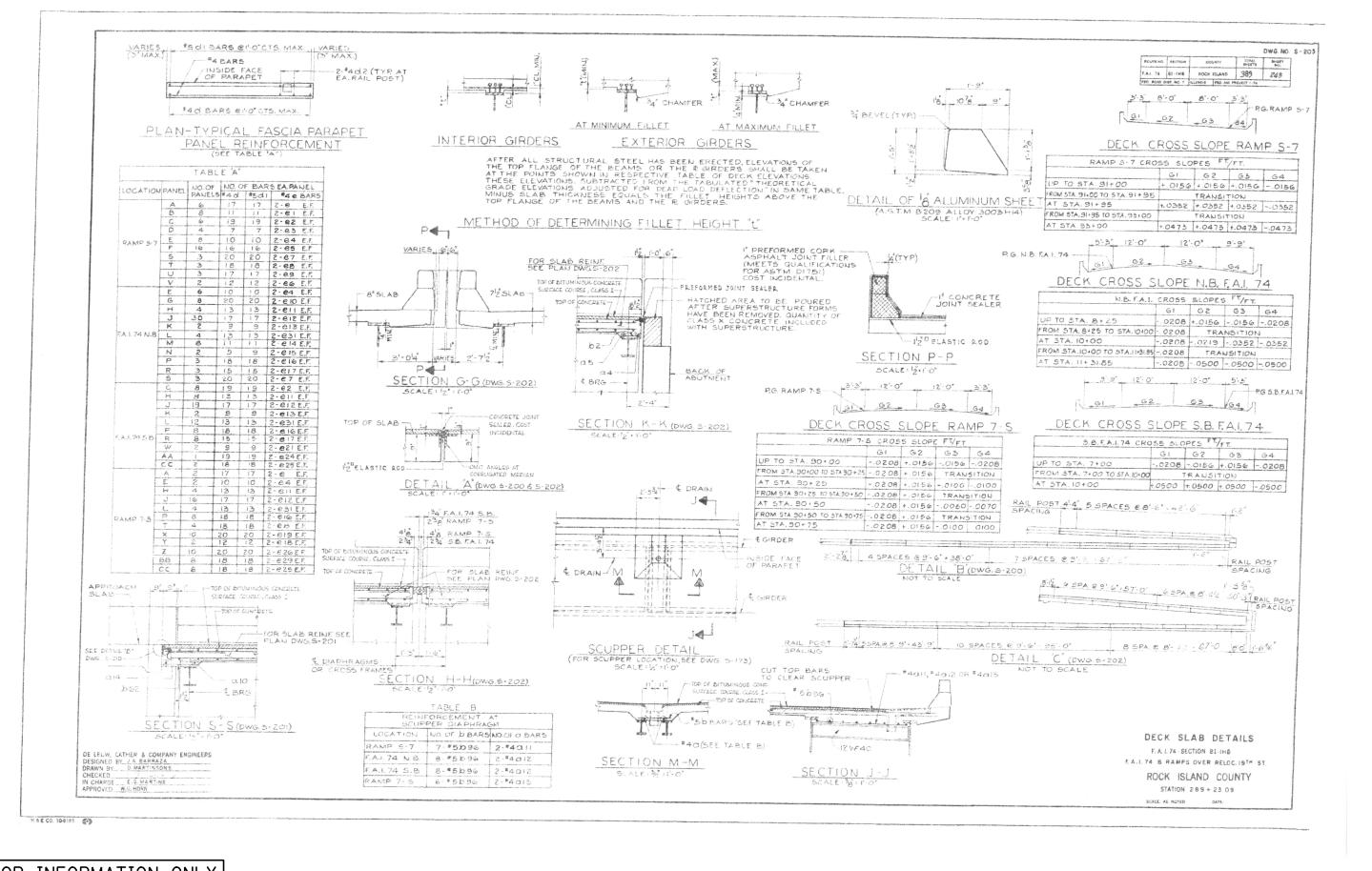
B. – F.A.I. 74 AND RAMP 7–S	F.A.I. RTE.	•		SEC	TION		со	UNTY	TOTAL SHEETS	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A	74			81-1	HBR		ROCK	ISLAN	D 2042	897
1-0100 EB; 001-0101 HAMI / 111-A							CONT	TRACT	NO. 64	E26
5 SHEETS	FED.	ROAD	DIST.	NO. 7	ILLINOIS	FED. /	AID PRO.	JECT		



ľ		USER NAME =	DESIGNED -	REVISED		EXISTING PLANS – DECK SLAB – S.B
I			CHECKED -	REVISED	STATE OF ILLINOIS	
I	MODJESKI	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0
L	Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 30 OF 45 S

$ \frac{11}{12} = \frac{1}{12} = \frac{1}{12$								DWG. NO. 5
South Bound - E.A.L. 74         RAM P         7 - 5           South Bound - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           South - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           South - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           South - E.A.L. 74         RAM P         7 - 5           All Oddawing - E.A.L. 74         RAM P         7 - 5           South - E.A.L. 74         RAM P         7 - 5           South - E.A.L. 74         RAM P         7 - 5           South - E.A.L. 74			ROLITE NO	L BECTION	COUNTY		YOTAL BHEEYB	BHERT NO.
DUITH BOUND - FALL 74         RAMP 7 - 5           RELINGED TO: AMA LIST           RELINGED T								242
Alt       OUNTING Sold       ENGTH       Source       Source <td>50</td> <td>UTH BOUND - F.A.I. 74</td> <td></td> <td>1</td> <td>Contraction of the second</td> <td></td> <td></td> <td></td>	50	UTH BOUND - F.A.I. 74		1	Contraction of the second			
And of prices       Of early still       LPACT       Share       And of the still state       LPACT         1130       6       10       47       173       6       10       5       10         1130       6       10       47       173       6       10       5       10       1					REINFOR	GING	BAR LI	51
$     \begin{array}{c}                                     $			SHAPE	HARK			LENG	ГН БНА
$\begin{array}{c ccccc} a & 4i: 0' (OUT TO OUT) \\ \hline a & 5i: 6i' & 4: 5i' & 2i' (OUT TO OUT) \\ \hline a & 5i: 6i' & 4: 5i' & 2i' & 4: 5i' & 2: 10' & 2284' \\ \hline a & 5i: 6i' & 5: 7i' & 2i' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 3: 7i' & 1: 9i' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 3: 7i' & 1: 9i' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 3'' & 3: 7i' & 10''' & 10''' & 10'''' & 10'''' & 10''''' & 10''''''''''$		130 6 4-0	1	A3 A7	1188 75	6	4- 0 4- 6	-
$\begin{array}{c ccccc} a & 4i: 0' (OUT TO OUT) \\ \hline a & 5i: 6i' & 4: 5i' & 2i' (OUT TO OUT) \\ \hline a & 5i: 6i' & 4: 5i' & 2i' & 4: 5i' & 2: 10' & 2284' \\ \hline a & 5i: 6i' & 5: 7i' & 2i' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 3: 7i' & 1: 9i' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 3: 7i' & 1: 9i' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 3'' & 3: 7i' & 10''' & 10''' & 10'''' & 10'''' & 10''''' & 10''''''''''$	A 5 A 6	10 5 7-0 582 5 42-9		19	610	5	32- 0 34- 3	20
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$\begin{array}{c ccccc} a & 4i: 0' (OUT TO OUT) \\ \hline a & 5i: 6i' & 4: 5i' & 2i' (OUT TO OUT) \\ \hline a & 5i: 6i' & 4: 5i' & 2i' & 4: 5i' & 2: 10' & 2284' \\ \hline a & 5i: 6i' & 5: 7i' & 2i' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 3: 7i' & 1: 9i' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 3: 7i' & 1: 9i' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 3'' & 3: 7i' & 10''' & 10''' & 10'''' & 10'''' & 10''''' & 10''''''''''$		4 11-10 6 4= 3	e e	16	32 4	15	5- 6	Maria and
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$\begin{array}{c ccccc} a & 4i: 0' (OUT TO OUT) \\ \hline a & 5i: 6i' & 4: 5i' & 2i' (OUT TO OUT) \\ \hline a & 5i: 6i' & 4: 5i' & 2i' & 4: 5i' & 2: 10' & 2284' \\ \hline a & 5i: 6i' & 5: 7i' & 2i' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 2: 10' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 3: 7i' & 1: 9i' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 7i' & 3: 7i' & 1: 9i' & 1: 9i' \\ \hline a & 5: 0' & 10' & 3'' & 3: 3'' & 3: 7i' & 10''' & 10''' & 10'''' & 10'''' & 10''''' & 10''''''''''$			£2	9	40 4	16	- 6	
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$\begin{array}{c c c c c c c c c c c c c c c c c c c $	J	an 3:04 5:7	2" 2.1	2 3.	72 2-12	1 1	94	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	N		50 J	8	670 2	_	-	-SYM.
BAR Q. 6 ¢ Q.9 (Incurrent constraints (Incurrent constraints) BILL OF MATERIAL <sup>†</sup> ITEM UNIT QUANTITY BITUMINOUS CONCETE SURPACE COURSE, CLASS I COALTAR INTERLAYED COALTAR INTERL	und in				Same 1			adout q
BILL OF MATERIAL <sup>†</sup> ITEM         UNIT         QUANTITY           BIUMINOUS CONCRETE         TON         19.7         19.0           BITUMINOUS CONCRETE         TON         19.7         19.0           COLATAR INTERLAYER         SQ.YD.         23.31         22.56           CLABS X CONCRETE         CU.YD.         704.6         677.8           REINFORCING BARS         POUND 169,870         157,350           ALUMINUM RAILING**         LIN.FT         1142         137.47           PROTECTIVE COAT**         SQ.YD.         452         499           DECK SLAB - S.BFA.I.74 & RAMP 7-S         SPANS 40 - 41, 41 - N, 44 - 45, 45 - 45         45 - 46           ALUMINUM RAILING**         LIN.FT         1142         137.47           BECK SLAB - S.BFA.I.74 & RAMP 7-S         SPANS 40 - 41, 41 - N, 44 - 45, 45 - 499         56           BECK SLAB - S.BFA.I.74 & RAMP 7-S         SPANS 40 - 41, 41 - N, 44 - 45, 45 - 45 - 45 - 45 - 45 - 45 -	i.	42 2.10	2 42 as		4		*	
ITEM         UNIT         QUANTITY           BITUMINOUS CONCRETE         UNIT         FAL.74 S.B. RAMP 7:6           SURFACE COURSE, CLASS I         TON         197         190           COALTAR INTERLAYER         SQ.YD.         2331         2256           CLASS X CONCRETE         CU.YD.         704.6         677.6           REINFORCING BARS         POUND         169,870         157,350           ALUMINUM RAILING**         LIN.FT         1142         152.47           PROTECTIVE COAT**         SQ.YD.         452         499           BE         DECK SLAB - S.BF.A.I.74         RAMP 7-S           SPANS         40 - 41, 41 - N, 44 - 45,         45 - 46           AND         F.A.1.74         RAMP 7-S           SPANS         40 - 41, 41 - N, 44 - 45,           B         F.A.1.74         RAMP 7-S           CLASS         SPANS OVER RELOC.19 <sup>TH</sup> ST.           RCK         ISLAND COUNTY           STATION 289 + 23.09         STATION 289 + 23.09	Det		DAR	40	<u> 4 U J</u>		ON DWG	E DETAILS
ITEM         DNT         FAJ. 74 S.D.         RAMP 7-6           BITUMINOUS CONCRETE SURFACE COURSE, CLASS I         TON         19.7         19.0           COAL TAR INTERLAYER PROTECTIVE COAT         SQ.YD.         23.31         22.56           CLADS X CONCRETE CLADS X CONCRETE         SQ.YD.         23.31         22.56           REINFORCING BARS         POUND 169,870         157,350           ALUMINUM RAILING**         LIN.FT         1142         13.547           PROTECTIVE COAT**         SQ.YD.         4.52         4.99           DECK SLAB - S.BFA.I.74         RAMP 7-S         SPANS         40 - 41, 41 - N, 44 - 45, 45 - 46           ALVMINUM RAILING**         LIN.FT         1142         13.547           PROTECTIVE COAT**         SQ.YD.         4.52         4.99           DECK SLAB - S.BFA.I.74         RAMP 7-S         SPANS 40 - 41, 41 - N, 44 - 45, 45 - 46         AND 46 - N           F.A.I.74         BRAMPS OVER RELOC. 19 <sup>TH</sup> ST.         ROCK         ISLAND COUNTY           STATION 289 + 23.09         STATION 289 + 23.09         STATION 289 + 23.09		В	ILL OF	MA	the second s			
BITUMINOUS CONCRETE         TON         197         190           SURFACE COURSE, CLASS I         TON         197         190           COAL TAR INTERLAYER         SQ.YD.         2331         2256           PROTECTIVE COAT         SQ.YD.         2331         2256           CLASS × CONURETE         CU.YD.         704.6         877.6           REINFORCING BARS         POUND         169,270         157,350           ALUMINUM RAILING**         LIN.FT         1142         13247           PROTECTIVE         COAT**         SQ.YD.         452         499           BS         DECK SLAB - S.BF.A.I.74         RAMP 7-S         SPANS         40 - 41, 41 - N, 44 - 45, 45 - 499           BS         A5 - 46         AND 46 - N         F.A.174         BRAMP 7-S           B         45 - 46         AND 46 - N         F.A.174         BRAMP 7-S           CK         ISLAND         COUNTY         STATION 289 + 23.09         STATION 289 + 23.09		ITEM		UNIT				70
SOULTAR: INTERLAYED         SQ.YD.         2331         2256           CLASS X CONJETE CU.YD.         704.6         877.8           REINFORCING BARS POUND 169,870         157,350           ALUMINUM RAILING**         LIN.FT         1142           PROTECTIVE COAT**         SQ.YD.         452           PROTECTIVE COAT**         SQ.YD.         452           PROTECTIVE COAT**         SQ.YD.         452           ALUMINUM RAILING**         LIN.FT         1142           DECK SLAB - S.BFA.I.74         BRAMP 7-S           SPANS         40-41, 41-N, 44-45, 45-499           B         45-46         AND 46-N           F.A.I.74         BRAMP 7-S           SPANS         40-41, 41-N, 44-45, 45-45           A         5-46         AND 46-N           F.A.I.74         BRAMP 50VER RELOC. 19 <sup>TH</sup> ST.           ROCK         ISLAND COUNTY           STATION 269 + 23.09         STATION 269 + 23.09	)N	BITUMINOUS CONCR	ETE	TON		5.0		
PROTECTIVE COAT         SULVD.         23.31         2256           CLASS × CONJETE         CU.YD.         704.6         877.8           REINFORCING BARS         POUND         169,870         157,350           ALUMINUM RAILING**         LIN.FT         1142         137.47           PROTECTIVE         COAT**         SQ.YD.         452         499           B5         DECK SLAB - S.BFA.I.74         8 RAMP         7-S           SPANS         40 - 41, 41 - N, 44 - 45,         45 - 46         AND 46 - N           F.A.I.74         B RAMPS OVER RELOC. 19 <sup>TH</sup> ST.         ROCK         ISLAND COUNTY           STATION         28 + 23.09         STATION         28 + 23.09			0	Printer Maarin				
REINFORCING BARS         POUND         169,870         157,350           ALUMINUM RAILING**         LIN.FT         1142         13747           PROTECTIVE         COAT**         50.YR         462         499           35         DECK SLAB - S.BFA.I.74         RAMP 7-S           SPANS         40 - 41, 41 - N, 44 - 45, 45 - 46         AND 46 - N           F.A.I.74         BRAMPS OVER RELOC. 19 <sup>TH</sup> ST.           ROCK         ISLAND COUNTY           STATION         28 + 23.09		PROTECTIVE COAT	12		2331		2256	5
ALUMINUM RAILING**         LIN.FT         1142         1534           PROTECTIVE         COAT**         50. YE         452         499           36         DECK SLAB - S.BFA.I.74 & RAMP 7-S         SPANS         40 - 41, 41 - N, 44 - 45, 45 - 46           8         45 - 46         AND 46 - N         F.A.I.74 & RAMP 50           8         45 - 46         AND 46 - N           F.A.I.74 & RAMPS OVER RELOC. 19 <sup>TH</sup> ST.         ROCK ISLAND COUNTY           0         STATION 289 + 23.09	AT	CLASS X CONCE	ARS P	U. YD.	704.6		the state of the second state of	
DECK SLAB - S.BF.A.I.74 & RAMP 7-S           SPANS 40 - 4I, 4I - N, 44 - 45, 45 - 46 AND 46 - N           F.A.I.74 & RAMPS OVER RELOC. 19 <sup>TH</sup> ST.           ROCK ISLAND COUNTY           STATION 269 + 23.09		ALUMINUM RAILI	NG . LI	N.FT.			1 1 80	A Complexity
SPANS 40-41, 41-N, 44-45, 45-46 AND 46-N F.A.I.74-SECTION 81-IHB F.A.I.74 B RAMPS OVER RELOC. 19 <sup>TH</sup> ST. ROCK ISLAND COUNTY STATION 289+23.09		PROTECTIVE CO	AT** 5	Q.YD.	452	Ì	of a second second	
6 45-46 AND 46-N F.A.I.74-SECTION 81-IHB F.A.I.74 B RAMPS OVER RELOC. 19 <sup>TH</sup> ST. ROCK ISLAND COUNTY STATION 289+23.09	585	DECK	SLAB	- S.B.	- F.A.I. 74	8	RAMP	7-5
F.A. I. 74 - SECTION 81-IHB F.A. I. 74 - BRAMPS OVER RELOC. 19 <sup>TH</sup> ST. ROCK ISLAND COUNTY STATION 289 + 23.09	88	SF	ANS	- 40 - 4	41-N	,4	4-45	-
STATION 289 + 23.09							fΨ	
U STATION 289 + 23.09		E A	1.74 8	RAMPS	OVER REL	.oc.	19 <sup>TH</sup> ST	.
			ROCI	K ISL	AND CO	)UN	TY	
COAT ON ABUT, WINGWALLS SCALE: AS NOTED DATE:	ON				289 + 23.(	09		A Charles
	E COAT ON	ABUT. WINGWALLS	SCALE: A	S NOTED	DATE:	elic-sing a		]

B. – F.A.I. 74 AND RAMP 7–S	F.A.I. RTE		SEC	TION		CO	UNTY	TOTAL SHEETS	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A	74		81-3	lhbr		ROCK	ISLAND	2042	898
1-0100 EB, 001-0101 HAMI / 111-A						CONT	RACT	NO. 64	E26
5 SHEETS	FED. R	OAD DIST.	NO. 7	ILLINOIS	FED. /	AID PROJ	ECT		



ĺ		USER NAME =	DESIGNED - CHECKED -	REVISED REVISED	STATE OF ILLINOIS	EXISTING PLANS – DECK S
I	MODJESKI	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0
l	Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 31 OF 45 SH

K SLAB DETAILS	F.A.I. RTE.		SEC	TION		CO	UNTY	TOTAL SHEETS	SHEET NO.
1-0180 EB, 081-0181 RAMP 7TH-A	74		81-	1HBR		ROCK	ISLAND	2042	899
1-0100 EB, 001-0101 HAMI / III-A						CONT	RACT	NO. 64	E26
5 SHEETS	FED. R	OAD DIST	. NO. 7	ILLINOIS	FED. A	D PROJ	ECT		

	g																ROUTE NO. SECTION F.A.J. 74 B1-IMP FRD. READ DIST. NO. 7	ROCK ISLAND	DWG. NO. 5 107AL BHETS BHEET 10389 244 2800/071124
		BEAM B		nambér sélén nak finis han i hing a la figarin nan ganan té kasagan			EAM B				BE	AM B	3			BE	EAM B	4	an a
	DISTANCE FROK SUPPORT (FT)	NORMAL THEORETI OFFSET GRADE (FEET) ELEVATI	DEFLECT	DAD THED. ELEV. ION ADJ FOR I DEFLECTION	DISTANCE FROM SUPPORT (FT)	NDRA DFFSI (FEET	T GRADE	DEFLECTI		DISTANCE FROM SUPPORT (FT)	NORMA OFFSE (FEET		DEFLECTI	AD THEO. ELEV. ON ADJ FOR DEPLECTION	DISTANCE FROM SUPPORT (FT)	NORM OFFSI (FEE)		DEFLECTI	AD THED. ELEV.
SPAN H-26	0.00 10.00 20.00 30.00 40.00 50.00 50.00 59.99	-2.000 634,119 -2.000 636,622 -2.000 635,125 -2.000 635,125 -2.000 635,628 -2.000 636,635 -2.000 636,635 -2.000 637,136	0.000 0.015 0.024 0.024 0.024 0.017 0.008 0.008	634,637 035,150 635,653 036,149 036,643	0,00 10,00 20,00 30,00 40,00 50,00 59,99	4.665 4.655 4.655 4.655 4.655 4.655 4.655	534.223 634.726 635.229 635.732 635.236 635.236 636.739 637.240	0.000 0.014 0.022 0.021 0.013 0.003 0.003	634.223 634.740 635.252 635.754 636.249 636.742 637.240	0.00 10.00 20.00 30.00 40.00 50.00 59.99	11.333 11.333 11.333 11.333 11.333 11.333 11.333	634.327 634.830 635.333 635.836 636.340 636.340 636.843 637.344	0.000 0.015 0.023 0.023 0.015 0.015 0.015 0.004 0.000	634.327	0,00 10,00 20,00 30,00 40,60 50,00 59,99	18.000 18.000 18.000 18.000 18.000 18.000 18.000	1) ELEVATIO 634.431 634.934 635.437 635.940 636.444 636.947 637.448	V (F2ET) 0,000 0,015 0,024 0.024 0.017 0.008 0.005	634,431 634,949 635,462 635,965 635,965 636,461 636,955 637,453
SPAN 26-27 (PIER 26 T0 ∉ LINK)	0.00 10.00 30.00 40.00 50.00 60.00 66.41	-2.000 637.136 -2.000 637.629 -2.000 638.116 -2.000 638.957 -2.000 639.070 -2.000 639.956 -2.000 639.996 -2.000 640.287	0.005 0.013 0.026 0.037 0.041 0.041 0.035 0.023 0.023	637.643 638.143 638.634 639.111 637.573 640.019	0+00 10.00 20.00 30.00 40.00 50.00 60.00 60+41	4.200 4.200 4.000 4.000 4.000 4.000 4.000 4.000 4.000	637.240 637.733 638.220 638.701 639.174 639.640 640.100 640.391	0.000 0.010 0.025 0.036 0.043 0.036 0.020 0.020 0.020	637.240 637.744 638.246 638.246 638.749 639.217 639.677 640.121 640.399	0.00 10.00 20.00 30.00 40.00 50.00 60.00 66.41	11.333 11.333 11.333 11.333 11.333 11.333 11.333 11.333 11.333	637.344 637.837 638.324 638.505 639.278 639.744 840.205	0.000 0.010 0.025 0.036 0.036 0.034 0.036 0.026 0.027	637.344 637.848 638.350 638.843 639.321 639.781 640.225 640.503	$\begin{array}{c} 0.00 \\ 10.00 \\ 20.00 \\ 30.00 \\ 40.00 \\ 50.00 \\ 60.00 \\ 66.41 \end{array}$	15.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000	637.448 637.941 638.428 638.428 638.909 639.382 639.846 640.599	C.005 0.014 0.029 0.041 0.045 6.039 0.024 0.024	637,453 637,956 638,458 638,951 639,428 639,428 639,428 640,332 640,611
	an fan yn i'r yn o roenn yn y	BEAM B	5		1	BE	AM B6		n gantan amada kasin ku ingin kasin kas Manga Matalan Matalan pertakan pertakan kasin		RF	AM B7					AM B8		0-0:011
SPAN 26-27	DISTANCE FRDM SUPPORT (FT)	NORMAL THEORETIC. OFFSET GRADE (FEET) ELEVATION	DEFLECTI	A0 THEO, ELEV, ON ADJ FOR DEFLECTION	DISTANCE FROM SUPPORT (FT)	NORMA	THEORETICAL GRADE	DEAD LOAD	O THEO. ELEV.	DISTANCE FROM	NORMAL	THEDRETICAL GRADE	DEAD LOAD	D THED. ELEV. N ADJ FOR	DISTANCE	NORMAL OFFSET	THEORETICA	DEAD LOA	D THEG. ELEV. N ACJ FOR
(& LINK TO PIER 27)	0.00 10.00 15.24	-2.000 640.287 -2.000 540.735 -2.000 640.968	0.012 0.008 6.005	640.299 640.744 646.973	0.00 10.00 15.24	(FEET 4.565 4.665 4.665	640.391 640.839 641.072	0.007 0.003 0.000	DEFLECTION 640.399 640.843 641.073	0.00 10.00 15.24	(FEET) 11.333 11.333 11.333	640.495 640.943 641.176	(FEET) 0.007 0.003 0.000	DEFLECTION 640.503 640.947 641.177	SUPPORT (FT) 0.00 10.00 15.24	(FEET) 18,000 18,000 18,000	640.599 641.047 641.280	0.012 0.008 0.005	040.611 641.056 641.285
SPAN 27-28	0,00 10,00 20,00 40,00 50,00 50,00 70,00 80,00 80,20	$\begin{array}{cccc} -2,000 & 64^\circ,968 \\ -2,000 & 641,403 \\ -2,000 & 641,837 \\ -2,000 & 642,837 \\ -2,000 & 642,260 \\ -2,000 & 642,267 \\ -2,000 & 643,681 \\ -2,000 & 643,681 \\ -2,000 & 644,267 \\ -2,000 & 644,267 \end{array}$	0.005 0.011 0.022 0.032 0.036 0.032 0.022 0.022 0.010 0.005	640.974 641.417 641.859 642.293 642.714 643.513 643.513 643.898 844.282 644.282	$\begin{array}{c} 0.00\\ 10.00\\ 20.00\\ 30.00\\ 40.00\\ 50.00\\ 60.00\\ 70.00\\ 80.26\end{array}$	4.565 4.565 4.565 4.565 4.555 4.555 4.555 4.555 4.555	$\begin{array}{c} 641.072\\ 641.510\\ 641.941\\ 642.762\\ 642.762\\ 643.192\\ 643.192\\ 643.992\\ 643.992\\ 644.361\\ 644.391\end{array}$	0.000 0.006 0.018 0.028 0.032 0.028 0.028 0.028 0.018 0.006 0.000 0.000	641.073 641.516 641.959 642.393 642.614 643.613 643.613 643.998 644.392	C • 00 10 • 00 20 • 00 30 • 00 40 • 00 50 • 00 60 • 00 70 • 00 80 • 26	11.333 11.333 11.333 11.333 11.333 11.333 11.333 11.333 11.333 11.333	641.176 641.614 642.045 642.468 642.886 643.296 643.699 644.096 644.485 644.485	C.000 C.006 C.018 C.028 C.028 C.028 C.028 C.018 C.018 C.018 C.016 C.000 C.000	641.177 641.620 642.053 642.915 643.324 643.717 644.102 844.486 644.496	0.00 10.00 26.00 30.00 50.00 60.05 70.05 80.00 80.00	18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000	641.280 641.718 642.149 642.572 642.990 643.803 644.200 644.589 644.599	0.005 0.011 0.022 0.032 0.032 0.032 0.022 0.010 0.005 0.005	641.286 641.729 642.171 642.605 643.026 643.026 643.432 643.825 644.210 844.594 644.605
SPAN 28-29	0.00 10.00 20.00 30.00 40.00 50.00 60.00 70.00 80.00 80.20 80.20	-2.000 644,287 -2.000 645,045 -2.000 645,045 -2.000 645,414 -2.000 645,176 -2.000 646,131 -2.000 646,137 -2.000 646,177 -2.000 647,144 -2.000 647,144	0.005 0.010 0.021 0.035 0.031 0.022 0.011 0.005 0.005	544.293 544.620 645.057 645.446 645.812 646.163 646.499 846.825 647.169 847.158	0.00 10.00 20.00 30.00 50.00 50.00 50.00 70.00 80.00 80.00 80.20	4.800 4.600 4.600 4.600 4.600 4.600 4.600 4.600 4.600 4.600 4.600	644,391 644,774 645,149 645,518 645,235 646,235 646,528 646,939 647,283 647,283	0.000 0.006 0.017 0.027 0.032 0.028 0.018 0.006 0.000 0.000	544.392 544.780 645.167 645.912 546.263 546.006 646.946 647.283 647.293	0,00 13,00 20,06 36,00 40,00 50,00 60,00 70,00 80,00 80,00 80,26	11.333 11.333 11.333 11.333 11.333 11.333 11.333 11.333 11.333 11.333 11.333	644.495 644.253 645.253 645.984 645.984 646.339 646.700 647.064 647.422 647.431	0.000 0.006 0.017 0.032 0.032 0.018 0.016 0.006 0.000 0.000	844,496 644,884 645,271 645,650 646,016 646,367 646,718 647,071 847,071 847,422 647,432	0.00 10.00 20.00 30.03 40.00 50.00 60.00 70.00 80.00 80.00 80.25	18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000	644.599 644.982 645.357 645.726 646.088 646.443 646.611 647.189 647.551	0.005 0.010 0.021 0.031 0.035 0.031 0.022 0.011 0.005	644.605 644.992 645.379 645.758 646.124 646.475 646.834 647.501 647.506 647.578
5PAN 29-30 PIER 29 To & LINK)	0.00 10.00 15.24	-2.000 647.153 -2.000 647.476 -2.000 647.643	0.005 0.009 0.013	647.158 647.485 647.656	0.00 10.00 15.24	4.666 4.666 4.666	647.292 647.629 647.803	0.000 0.004 0.008	647.293 647.634 647.812	0.00 10.00 15.24	11.333 11.333 11.333	647.432 647.762 647.964	0.000 0.004 0.008	647.432 647.787 647,972	0,00 10,00 15,24	10.000 10.000 10.000	647.571 647.935 640.124	0.005 0.009 0.013	647,577 647,945 648,137
	DISTANCE	BEAM B9					AM BIO				BEA	M BII			99 - Maria Managara ( 1997) - Maria San Angalan ( 1997) - Maria Managara ( 1998) - Maria Managara ( 1998) - Ma Managara ( 1997) - Managara ( 1997)	BEA	M BIZ		
PAN 29-30	FROM SUPPORT (FT)	NORMAL THEDRETICAL OFFSET GRADE (FEET) ELEVATION	DEFLECTION (FEET)	ADJ FOR DEFLECTION	DISTANCE FROM SUPPORT (FT)	NDRMAL OFFSET (FEET)	THEORETICAL GRADE ELEVATION	DEAD LOAD DEFLECTION (FEET)	THED. ELEV. ADJ FOR DEFLECTION	DISTANCE FROM SUPPORT (FT)	NORMAL OFFSET (FEET)	THEORETICAL GRADE ELEVATION	DEFLECTION	THEO, ELEV. ADJ FOR DEFLECTION	DISTANCE FROM SUPPORT (FT)	NORMAL DEFSET (FEET)	THEORET ICAL GRADE ELEVATION	DEFLECTION	THEO. ELEV. ADJ FOR DEFLECTION
€ LINK TO PIER 30)	0.00 10.00 20.00 30.00 40.00 50.00 60.00 70.00 70.00 70.11	-2.000 647.643 +2.000 647.956 -2.000 648.261 -2.000 648.560 -2.000 648.853 +2.000 649.146 -2.000 649.146 -2.000 649.40 -2.000 649.734 -2.000 649.738	0.013 0.033 0.046 0.050 0.043 0.029 0.014 0.005 0.005	647.656 647.989 648.308 648.610 648.697 549.176 649.176 649.456 849.740 649.744	0.00 10.00 20.00 30.00 40.00 50.00 80.00 70.00 70.11	4.655 4.555 4.555 4.555 4.555 4.555 4.555 4.555 4.555 4.555 4.555	647.803 648.130 548.449 648.762 649.069 649.375 649.279 649.981 649.985	0.007 0.028 0.042 0.046 0.040 0.025 0.009 0.000 0.000	647.811 648.492 648.492 648.809 649.109 649.109 649.401 649.480 649.982 649.982 649.986	0.00 10.00 20.00 40.00 50.00 60.00 70.00 70.11	11.333 11.333 11.333 11.333 11.333 11.333 11.333 11.333 11.333	647.964 648.304 648.637 648.963 849.284 649.604 649.604 649.604 650.228 650.232	0.025 0.009 0.000	647.971 648.332 648.680 649.324 649.324 649.30 649.324 650.229 650.233	0.00 10.00 20.00 30.00 40.00 50.00 60.00 70.00 70.11	18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000	648.124 648.476 648.825 649.165 649.500 649.833 650.158 650.475 850.475	0.013 0.033 0.046 0.050 0.043 0.029 0.014 0.005	648.137 648.511 649.871 649.215 649.545 649.863 650.172 650.461 650.461
PAN 30-M	0.00 10.00 20.00 30.00 40.00 50.00 50.00 60.00 60.00	-2.000 649.737 -1.999 650.031 -1.999 650.126 -1.999 650.126 -1.999 650.915 -1.999 651.209 -1.996 651.504 -1.988 651.591	0.005 0.007 0.017 0.026 0.026 0.026 0.026 0.025 0.005 0.005	649,743 650,039 650,344 650,844 750,943 651,230 651,591 651,591	0.00 10.00 20.00 30.00 40.00 50.00 60.00 60.00 63.11	4.655 4.665 4.665 4.665 4.665 4.665 4.670 4.677	649.984 650.286 650.588 650.890 651.193 851.495 651.797 651.691	0.000 0.004 0.015 0.025 0.025 0.025 0.021 0.021 0.005 0.000	649.985 650.290 650.604 650.604 651.221 651.516 651.802 651.891	0.00 10.00 20.00 30.00 40.00 50.00 60.00 63.28	11.333	650.231 650.541 650.851 651.160 651.470 651.780 652.089 652.191	0,004 0.016 0.026 0.029 0.021 0.021 0.006	650.232 650.545 650.867 651.187 651.499 651.802 652.396 652.191	0.00 10.00 20.00 30.00 40.00 50.00 60.00 63.44	18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.003	650.470 650.796 651.113 651.431 651.748 652.086 652.086 652.382 852.382 852.491	0.005 0.008 0.019 0.028 0.030 0.022 0.022 0.006	650.484 650.804 651.132 651.459 651.778 652.086 652.369 652.491
V. CATHER & COMPANY ENGINEE D BY JABARAZA BY F. F. HORBANIAN D J. J. MARAYA GE ÉS. MIRINS D W.G. HORN	or smaller, d										AT NORTH TABULATED CENTER LII NEGATIVE ( LINE, POS GRADE LINE POSITIVE [	ND IN EACH S ELEVATIONS A RE OF BEAMS. FFSETS PERTA ITIVE OFFSETS	PAN, ALONG C RE FOR TOP O IN TO POINTS 5 PERTAIN TO IDICATE DOWN	FROM CENTER LINE B LENTER LINE OF BEA IF CONCRETE SLAB A EAST OF THE PROF POINTS WEST OF TI WARD DEFLECTIONS. TIONS.	MS. Long Ile grade He profile	F	74 8 RAMPS	OVER RELO	з с. is <sup>th:</sup> st. NTY

DE LE DESIG DRAW CHEC IN CHEC

K & E CO. 10-9185

	USER NAME =	DESIGNED - CHECKED -	REVISED REVISED	STATE OF ILLINOIS	EXISTING PLANS – DECK
MODJESKI	PLOT SCALE =	DRAWN -	REVISED	DEPARTMENT OF TRANSPORTATION	I-74 AT 19TH ST SN 081-0179 WB, 081-0
Experience great bridges.	PLOT DATE = Ø3/23/2017	CHECKED -	REVISED		SHEET NO. 32 OF 45 SH

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CK ELEVATIONS	F.A.I. RTE		SEC	TION		COL	JNTY	TOTAL SHEETS	SHEET NO.
31-0180 EB, 081-0181 RAMP 7TH-A	74		81-1	IHBR		ROCK	ISLAND	2042	900
71-0100 EB, 001-0101 IIAIMI 7111-A						CONT	RACT	NO. 64	E26
45 SHEETS	FED. R	OAD DIST.	NO. 7	ILLINOIS	FED. A	ID PROJE	CT.		