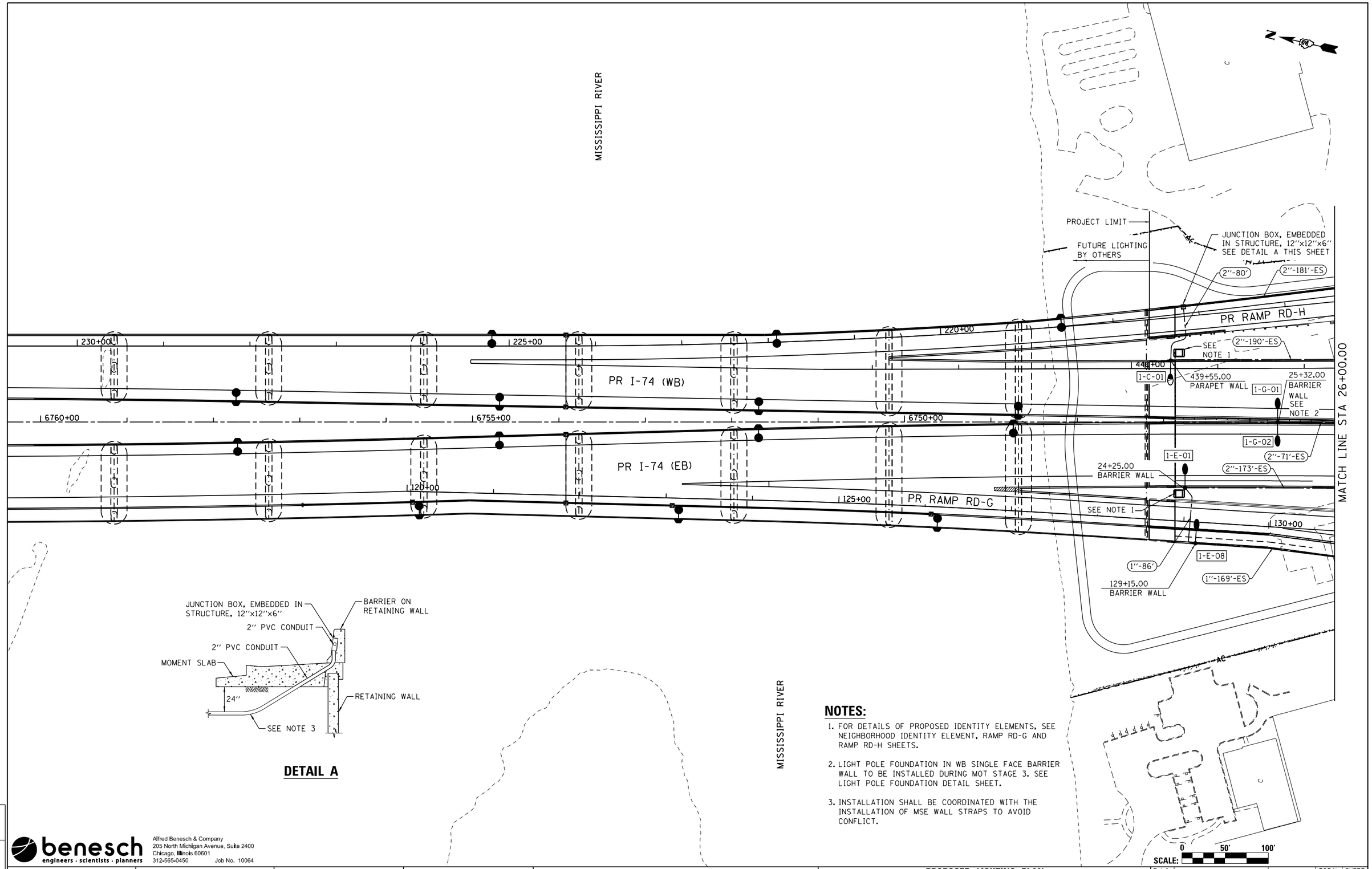

DETAIL A

NOTES:

1. FOR DETAILS OF PROPOSED IDENTITY ELEMENTS, SEE NEIGHBORHOOD IDENTITY ELEMENT, RAMP RD-G AND RAMP RD-H SHEETS.
2. LIGHT POLE FOUNDATION IN WB SINGLE FACE BARRIER WALL TO BE INSTALLED DURING MOT STAGE 3. SEE LIGHT POLE FOUNDATION DETAIL SHEET.
3. INSTALLATION SHALL BE COORDINATED WITH THE INSTALLATION OF MSE WALL STRAPS TO AVOID CONFLICT.

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LAYOUT | DRAWN | REVIEWED

FILE NAME = D2CONAB-AB-sht-light400.dgn	USER NAME =	DESIGNED - GHT	REVISED -
		DRAWN - JLW	REVISED -
	PLOT SCALE = AS NOTED	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
MAINLINE & RAMPS

SCALE: AS NOTED | SHEET NO. 5 OF 29 SHEETS | STA. 11+00 | TO STA. 26+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	501
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		

MATCH LINE STA 26+00.00

MATCH LINE STA 41+00.00

RIVER DRIVE

IL 92 / 4TH AVE

5TH AVE

PR RAMP RD-H

PR I-74 (WB)

PR I-74 (EB)

PR RAMP RD-G

PR RAMP 6TH-D

PR I-74 WB

PR I-74 EB

PR RAMP 6TH-C

EX I-74 RAMPS

PR 21ST ST

JUNCTION BOX, 12"x12"x6", ATTACHED TO STRUCTURE AND CONDUIT ATTACHED TO STRUCTURE, 2" DIA STAINLESS STEEL - 10'

EXISTING ELECTRIC SERVICE INSTALLATION, 120/240V, 200 A, 1 PHASE, 3 WIRE

EXISTING IDOT CONTROLLER 1, 120/240V, 1 PHASE, 200 A (SEE NOTE 5)

PROPOSED HANDHOLE AND (2) 5" PVC CONDUITS TO CONNECT TO EXISTING SPARE STUB-OUTS FROM CONTROLLER. 5" PVC CONDUITS SHALL BE INCLUDED IN THE COST OF THE HANDHOLE.

JUNCTION BOX, EMBEDDED IN STRUCTURE, 12"x12"x6"

HANDHOLE

HANDHOLE (TO RISER FOR UNDERDECK LIGHTING)

IDENTITY ELEMENT

215+30.00 RETAINING WALL

436+45.00 BARRIER WALL

433+30.00 PARAPET WALL

28+10.00 BARRIER WALL SEE NOTE 2

30+60.00 PARAPET WALL

320+65.00 RETAINING WALL

323+97.50 PARAPET WALL

132+15.00 RETAINING WALL

135+15.00 50.94' RT SEE NOTE 3

SEE NOTE 4 211+54.00 38.00' RT

430+05.00 PARAPET WALL

33+44.00 PARAPET WALL

327+25.00 PARAPET WALL

426+81.00 PARAPET WALL

36+22.00 PARAPET WALL

38+97.00 PARAPET WALL

331+08.00 PARAPET WALL

423+65.00 RETAINING WALL

334+22.00 16.00' RT

SEE NOTE 1

NOTES:

1. CONDUIT EMBEDDED IN DOUBLE FACE MEDIAN BARRIER WALL SHALL TRANSITION INTO WB BARRIER WALL.
2. LIGHT POLE FOUNDATION, SPECIAL. SEE MEDIAN LIGHT POLE FOUNDATION, SPECIAL DETAIL.
3. POLE FOUNDATION SHALL BE 24" DIAMETER.
4. PROVIDE AND INSTALL BREAKAWAY COUPLINGS WITH ALUMINUM SKIRT.
5. CONTRACTOR SHALL REMOVE AND REPLACE (2) EXISTING 20 AMP, 2-POLE CIRCUIT BREAKERS WITH 40 AMP, 2-POLE CIRCUIT BREAKERS FOR PROPOSED CIRCUITS C & D.

SCALE: 0 50' 100'

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LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
MAINLINE & RAMPS

SCALE: AS NOTED | SHEET NO. 6 OF 29 SHEETS | STA. 26+00 | TO STA. 41+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	502
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

ROADWAY LIGHTING GENERAL NOTES

1. ELECTRICAL EQUIPMENT, RACEWAY, ETC. ARE SHOWN IN APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL INSTALL ELECTRICAL EQUIPMENT, RACEWAYS, ETC. WHERE DIRECTED BY THE ENGINEER IN ORDER TO BEST SUIT JOB CONDITIONS.

2. ALL REPLACEMENT AND TEMPORARY WIRING SHALL BE EQUAL TO OR GREATER THAN THE EXISTING WIRE GAUGE.

3. NO SPLICING OF EXISTING-TO-NEW WIRING IS ALLOWED INSIDE ELECTRICAL DUCTS. ALL WIRING INTERCONNECTIONS SHALL BE INSTALLED IN ACCESSIBLE AREAS AND SHALL BE MADE WITH ILLINOIS DOT APPROVED CONNECTORS.

4. ALL LIQUID-TIGHT FLEXIBLE CONDUIT SHALL BE INCIDENTAL TO THE CONDUIT ATTACHED TO STRUCTURE OF THE SIZE SPECIFIED.

5. NO POLES TO BE INSTALLED IN THE FLOWLINE OF THE DITCH. POLE SETBACK SHALL BE ADJUSTED IF NECESSARY AS DIRECTED BY THE ENGINEER.

6. ELECTRIC SERVICE INSTALLATION SHALL INCLUDE ALL CONDUIT AND CABLE REQUIRED BETWEEN THE UTILITY SERVICE AND THE LIGHTING CONTROLLER.

7. ALL CONDUIT UNDER ROADWAYS SHALL BE PVC SCHEDULE 80.

8. THE GROUND CONDUCTOR SHALL HAVE NO SPLICE OR KINCKS BELOW GRADE. IT SHALL BE SOLIDLY CONNECTED TO THE GROUNDING LUG OF EACH POLE, JUNCTION BOX, AND TO THE GROUND ROD AT THE SERVICE INSTALLATION.

   IN AREAS WHERE MULTIPLE CIRCUIT CONDUCTORS SHARE A COMMON CONDUIT, A COMMON EQUIPMENT GROUND SHALL BE UTILIZED.

9. THE CONTRACTOR SHALL PROVIDE A 1/4" POLY PULL-LINE THROUGH EACH PVC CONDUIT IN WHICH NO CONDUCTORS ARE PLACED IN THIS CONTRACT. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE PRICE FOR THE CONDUIT SPECIFIED.

10. JUNCTION BOXES OF "SLIGHTLY" LARGER SIZE THAN THOSE SPECIFIED ON THE PLANS MAY BE USED WHEN APPROVED BY ENGINEER AT NO ADDITIONAL COST TO THE CONTRACT.

11. EXISTING AND/OR TEMPORARY LIGHTING UNITS SHALL NOT BE REMOVED UNTIL NEW LIGHTING SYSTEM IS COMPLETELY INSTALLED AND FULLY OPERATIONAL TO THE SATISFACTION OF THE ENGINEER.

12. CONTRACTOR SHALL PROVIDE STAINLESS STEEL SCREEN UNDERNEATH THE ALUMINUM SKIRT OF THE BREAKAWAY COUPLINGS. THE COST OF THE SCREEN SHALL BE INCLUDED IN THE COST OF THE COUPLINGS. SKIRT SHALL BE PAINTED BLACK TO MATCH LIGHT POLES.

13. REMOVAL AND DISPOSAL OF ALL LIGHT POLES AND UNDERPASS LUMINAIRES ATTACHED TO BRIDGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED "REMOVAL OF EXISTING STRUCTURES" PAY ITEM. PLEASE SEE STRUCTURAL REMOVAL PLANS DEMOLITION PLAN FOR ADDITIONAL INFORMATION.

14. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL EXISTING STATE OWNED LIGHTING AND/OR TRAFFIC SIGNAL UTILITIES WITHIN THE LIMITS OF THE CONTRACT.

15. EXPANSION/DEFLECTION COUPLINGS SHALL BE INSTALLED IN ALL LOCATIONS BETWEEN STRUCTURES, AT EXPANSION JOINTS, AND WHERE NECESSARY TO CONTROL MOVEMENT THAT WOULD DAMAGE THE CONDUIT. THE COST OF EXPANSION/DEFLECTION COUPLINGS SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED CONDUIT AS CALLED OUT ON THE PLANS.

ESTIMATED PROJECT QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	86
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	4,997
81028360	UNDERGROUND CONDUIT, PVC, 2 1/2" DIA.	FOOT	1,404
81100300	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., GALVANIZED STEEL	FOOT	2,292
81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	3,845
81200210	CONDUIT EMBEDDED IN STRUCTURE, 1" DIA. PVC	FOOT	2,646
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. PVC	FOOT	8,191
81300220	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 6"x6"x4"	EACH	90
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x10"x6"	EACH	50
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x12"x6"	EACH	6
81301290	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 12"x12"x6"	EACH	4
81400100	HANDHOLE	EACH	10
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	6,497
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	74,255
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	22,605
82500335	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240VOLT, 100AMP	EACH	1
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	10
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	126
83800505	BREAKAWAY DEVICE, COUPLING WITH ALUMINUM SKIRT	EACH	60
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	38
84200804	REMOVAL OF POLE FOUNDATION	EACH	36
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	6
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	4
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	4
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	3
87900200	DRILL EXISTING HANDHOLE	EACH	1
X0326357	ROADWAY LIGHTING MODIFICATIONS	L SUM	1
X0327006	ROADWAY LIGHT POLE, INSTALL ONLY	EACH	41
X1400128	REMOVE AND REPLACE EXISTING CIRCUIT BREAKER WITH 40 AMP, 2-POLE	EACH	2
X8110454	CONDUIT ATTACHED TO STRUCTURE, 1" DIA., STAINLESS STEEL	FOOT	10
X8110458	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., STAINLESS STEEL	FOOT	80
X8360120	LIGHT POLE FOUNDATION, SPECIAL	EACH	1
X8360310	LIGHT POLE FOUNDATION, 30" DIAMETER, SPECIAL	FOOT	9
X8410102	TEMPORARY LIGHTING SYSTEM	L SUM	1
*2000324	ROADWAY LUMINAIRE, SPECIAL (INSTALL ONLY)	EACH	59
*2000325	AESTHETIC LUMINAIRE, (INSTALL ONLY)	EACH	71
*2000326	UNDERPASS LUMINAIRE, (INSTALL ONLY)	EACH	25

LIGHTING LEGEND

- PROPOSED ELECTRIC SERVICE INSTALLATION
- PROPOSED LIGHTING CONTROLLER, 240V, 100A (UNLESS OTHERWISE NOTED)
- PROPOSED HANDHOLE
- PROPOSED LED STREET LIGHT, 50 FT MOUNTING HEIGHT, 14 FT MAST ARM (UNLESS OTHERWISE NOTED)
- PROPOSED LED STREET LIGHT, 48.5 FT MOUNTING HEIGHT, TWIN 14 FT MAST ARMS (UNLESS OTHERWISE NOTED)
- PROPOSED BRIDGE MOUNTED LED STREET LIGHT, 48.5 FT MOUNTING HEIGHT, 14 FT MAST ARM (UNLESS OTHERWISE STATED)
- PROPOSED BRIDGE MOUNTED LED STREET LIGHT, 48.5 FT MOUNTING HEIGHT, TWIN 14 FT MAST ARMS, (UNLESS OTHERWISE NOTED)
- PROPOSED TRAFFIC SIGNAL / STREET LIGHT COMBINATION
- PROPOSED UNDERPASS LUMINAIRE, LED, VERY LOW WATTAGE
- PROPOSED UNDERGROUND CONDUIT, TYPE AND SIZE AS NOTED
- PROPOSED CONDUIT ATTACHED TO STRUCTURE, SIZE AS NOTED
- PROPOSED CONDUIT EMBEDDED IN STRUCTURE, SIZE AS NOTED
- EXISTING LIGHTING CONTROLLER TO REMAIN
- EXISTING LIGHTING UNIT TO REMAIN
- EXISTING LIGHT TO BE MODIFIED
- EXISTING LIGHT TO BE REMOVED
- EXISTING LIGHT TO BE RELOCATED
- EXISTING LIGHTING CONTROLLER TO BE REMOVED
- EXISTING ELECTRIC SERVICE INSTALLATION TO BE REMOVED
- TEMPORARY LIGHTING UNIT, AS NOTED ON PLANS
- AC — TEMPORARY AERIAL CABLE, AS NOTED ON PLANS

3"-72'-T — CONDUIT CALLOUT
- INSTALLATION METHOD (UNDERGROUND UNLESS OTHERWISE SPECIFIED, EMBEDDED IN STRUCTURE OR ATTACHED TO STRUCTURE)
- CONDUIT LENGTH
- CONDUIT DIAMETER

1-A-01 — LIGHT POLE DESIGNATION
- POLE NUMBER
- CIRCUIT
- CONTROL CABINET

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LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
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LIGHTING QUANTITIES & GENERAL NOTES

SCALE: NO SCALE | SHEET NO. 1 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	497
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

LIGHTING REMOVAL DATA

LOCATION			OWNER	REMARKS
STATION	OFFSET	ALIGNMENT		
162+98	20′ RT	EX I-74	IDOT	
166+24	12′ RT	EX I-74	IDOT	
169+93	10′ RT	EX I-74	IDOT	
172+12	48′ LT	EX I-74	IDOT	
173+76	22′ RT	EX I-74	IDOT	
368+31	18′ LT	EX I-74	IDOT	
370+27	26′ LT	EX I-74	IDOT	
403+35	25′ RT	EX 4TH AVENUE	CITY OF MOLINE	RELOCATE LIGHT POLE
407+46	15′ RT	EX 4TH AVENUE	CITY OF MOLINE	REMOVE/MODIFY LIGHT POLE
408+58	16′ RT	EX 4TH AVENUE	CITY OF MOLINE	REMOVE/RELOCATE LIGHT POLE
5001+15	18′ LT	EX 5TH AVENUE	CITY OF MOLINE	
5003+35	23′ LT	EX 5TH AVENUE	CITY OF MOLINE	
5003+89	24′ RT	EX 5TH AVENUE	CITY OF MOLINE	
5005+09	23′ LT	EX 5TH AVENUE	CITY OF MOLINE	
5006+07	23′ RT	EX 5TH AVENUE	CITY OF MOLINE	
106+45	35′ RT	EX 7TH AVENUE	IDOT	
109+04	55′ RT	EX 7TH AVENUE	IDOT	
109+47	76′ RT	EX 7TH AVENUE	IDOT	
112+25	62′ RT	EX 7TH AVENUE	IDOT	
115+70	34′ RT	EX 7TH AVENUE	IDOT	
118+68	169′ RT	EX 7TH AVENUE	IDOT	
206+09	29′ LT	EX 7TH AVENUE	IDOT	
208+73	50′ LT	EX 7TH AVENUE	IDOT	
209+96	107′ LT	EX 7TH AVENUE	IDOT	
210+67	49′ LT	EX 7TH AVENUE	IDOT	
212+43	41′ LT	EX 7TH AVENUE	IDOT	
212+84	102′ LT	EX 7TH AVENUE	IDOT	
214+90	149′ LT	EX 7TH AVENUE	IDOT	
215+14	46′ LT	EX 7TH AVENUE	IDOT	
217+37	38′ LT	EX 7TH AVENUE	IDOT	
3012+20	45′ LT	EX RIVER ROAD	IDOT	RELOCATE LIGHT POLE
3013+40	45′ LT	EX RIVER ROAD	IDOT	RELOCATE LIGHT POLE
3013+40	59′ RT	EX RIVER ROAD	IDOT	RELOCATE LIGHT POLE
3014+40	45′ LT	EX RIVER ROAD	IDOT	
3014+40	62′ RT	EX RIVER ROAD	IDOT	RELOCATE LIGHT POLE
3016+55	50′ RT	EX RIVER ROAD	IDOT	REMOVE ONE COMBO LIGHT/ARM
365+80	165′ LT	EX I-74	CITY OF MOLINE	FLAG POLE FLOOD LIGHT
366+70	95′ LT	EX I-74	CITY OF MOLINE	FLAG POLE FLOOD LIGHT
-	-	JOHN DEERE PARKING LOT	JOHN DEERE	REMOVE SEVEN (7) LIGHT POLES

LIGHTING INSTALLATION DATA

LOCATION				TYPE				
NO.	STATION	OFFSET	ALIGNMENT	POLE	M.A.	POLE DETAIL•	LUMINAIRE(S) ••	REMARKS
1-G-03/1-G-04	30+60.0	PARAPET WALL	I-74 ML	45′	14′	TYPE I	TYPE A	SEE NOTE 1
1-H-03/1-H-04	33+44.0	PARAPET WALL	I-74 ML	45′	14′	TYPE I	TYPE A	SEE NOTE 1
1-G-05/1-G-06	36+22.0	PARAPET WALL	I-74 ML	45′	14′	TYPE I	TYPE A	SEE NOTE 1
1-H-05/1-H-06	38+97.0	PARAPET WALL	I-74 ML	45′	14′	TYPE I	TYPE A	SEE NOTE 1
1-G-07/1-G-08	41+66.0	PARAPET WALL	I-74 ML	45′	14′	TYPE I	TYPE A	SEE NOTE 1
1-E-08	129+15.0	BARRIER WALL	RAMP RD-G	29′	4′	TYPE IV	TYPE A	SEE NOTE 1
1-F-08	132+15.0	RETAINING WALL	RAMP RD-G	29′	4′	TYPE IV	TYPE A	SEE NOTE 1
1-E-09	135+15.0	50.94′ RT	RAMP RD-G	29′	4′	TYPE IV	TYPE A	
1-C-19	215+30.0	RETAINING WALL	RAMP RD-H	45′	14′	TYPE II	TYPE A	SEE NOTE 1
1-D-17	211+54.0	38.0′ RT	RAMP RD-H	50′	14′	TYPE III	TYPE A	
1-C-01	439+55.0	PARAPET WALL	RAMP 6TH-D	45′	14′	TYPE II	TYPE A	SEE NOTE 1
1-D-01	436+45.0	BARRIER WALL	RAMP 6TH-D	45′	14′	TYPE II	TYPE A	SEE NOTE 1
1-C-02	433+30.0	PARAPET WALL	RAMP 6TH-D	45′	14′	TYPE II	TYPE A	SEE NOTE 1
1-D-02	430+05.0	PARAPET WALL	RAMP 6TH-D	45′	14′	TYPE II	TYPE A	SEE NOTE 1
1-C-03	426+81.0	PARAPET WALL	RAMP 6TH-D	45′	14′	TYPE II	TYPE A	SEE NOTE 1
1-D-03	423+65.0	RETAINING WALL	RAMP 6TH-D	45′	14′	TYPE II	TYPE A	SEE NOTE 1
1-G-01/1-G-02	25+32.00	I-74 CL	I-74 ML	45′	14′	TYPE I	TYPE A	SEE NOTE 1
1-H-01/1-H-02	28+10.00	I-74 CL	I-74 ML	45′	14′	TYPE I	TYPE A	SEE NOTE 1
1-E-01	24+25.00	BARRIER WALL	I-74 ML	45′	14′	TYPE II	TYPE A	SEE NOTE 1
1-F-01/1-F-09	320+65.00	RETAINING WALL	RAMP 6TH-C	45′	14′	TYPE I	TYPE A	SEE NOTE 1
1-E-02/1-E-10	323+97.50	PARAPET WALL	RAMP 6TH-C	45′	14′	TYPE I	TYPE A	SEE NOTE 1
1-F-02	327+25.00	PARAPET WALL	RAMP 6TH-C	45′	14′	TYPE II	TYPE A	SEE NOTE 1
1-E-03	331+08.00	PARAPET WALL	RAMP 6TH-C	45′	14′	TYPE II	TYPE A	SEE NOTE 1
1-F-03	334+22.00	16.00′ RT	RAMP 6TH-C	50′	14′	TYPE III	TYPE A	
13-B-01	403+09.30	27.71′ RT	4TH AVE	-	-	-	-	RELOCATED POLE
1-H-07/1-H-08	44+48.0	BARRIER WALL	I-74	45′	14′	TYPE I	TYPE A	SEE NOTE 1
1-G-09/1-G-10	47+16.0	BARRIER WALL	I-74	45′	14′	TYPE I	TYPE A	SEE NOTE 1
1-C-04	6007+04.5	40.2′ LT	6TH AVE	45′	15′	-	TYPE A	COMBINATION POLE
1-D-04	6007+12.2	48.0′ RT	6TH AVE	50′	14′	TYPE III	TYPE A	
1-C-05	6006+11.7	30.4′ RT	6TH AVE	45′	15′	-	TYPE A	COMBINATION POLE
1-D-16	7007+32.0	95.0′ RT	7TH AVE	45′	15′	-	TYPE A	COMBINATION POLE
1-D-13	7008+64.0	82.0′ LT	7TH AVE	45′	15′	-	TYPE A	COMBINATION POLE
1-C-13	7010+50.0	70.6′ RT	7TH AVE	50′	14′	TYPE III	TYPE A	
1-D-14	7006+86.0	74.0′ LT	7TH AVE	45′	15′	-	TYPE A	COMBINATION POLE
1-D-12	7010+50.0	76.6′ LT	7TH AVE	50′	14′	TYPE III	TYPE A	
1-D-15	7008+91.9	66.6′ RT	7TH AVE	50′	14′	TYPE III	TYPE A	
1-D-08	7013+47.2	76.5′ RT	7TH AVE	45′	15′	-	TYPE A	COMBINATION POLE
1-C-07	7014+39.6	65.4′ LT	7TH AVE	50′	14′	TYPE III	TYPE A	
1-C-06	644+49.0	30.6′ LT	7TH-RAMP A	50′	14′	TYPE III	TYPE A	
1-C-09	642+15.0	25.2′ RT	7TH-RAMP A	50′	14′	TYPE III	TYPE A	
1-D-05	645+83.0	41.6′ LT	7TH-RAMP A	50′	14′	TYPE III	TYPE A	
1-D-06	7013+75.0	54.3′ LT	7TH AVE	45′	15′	-	TYPE A	COMBINATION POLE
1-D-07	7016+50.0	39.6′ LT	7TH AVE	50′	14′	TYPE III	TYPE A	
1-C-08	7014+29.0	56.5′ RT	7TH AVE	50′	14′	TYPE III	TYPE A	
1-C-14	7008+91.9	76.6′ LT	7TH AVE	50′	14′	TYPE III	TYPE A	
1-C-15	7006+31.0	88.0′ LT	7TH AVE	50′	14′	TYPE III	TYPE A	
1-C-16	7008+55.0	98.0′ RT	7TH AVE	50′	14′	TYPE III	TYPE A	
1-C-17	7006+93.0	71.0′ RT	7TH AVE	50′	14′	TYPE III	TYPE A	
1-C-18	7005+00.0	48.6′ LT	7TH AVE	50′	14′	TYPE III	TYPE A	

• SEE LIGHTING DETAIL SHEETS FOR POLE DETAILS

•• TYPE A SHALL BE A LED, MEDIUM WATTAGE, 240 VOLT LUMINAIRE

NOTE 1: LIGHT POLE MOUNTED TO BARRIER WALL, BRIDGE PARAPET, OR RETAINING WALL

LAYOUT
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312-565-0450 Job No. 10064

FILE NAME =	USER NAME =	DESIGNED - GHT	REVISED -
D2CONAB-AB-sht-light00.dgn		DRAWN - JLW	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING QUANTITIES

SCALE: NO SCALE | SHEET NO. 2 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	498
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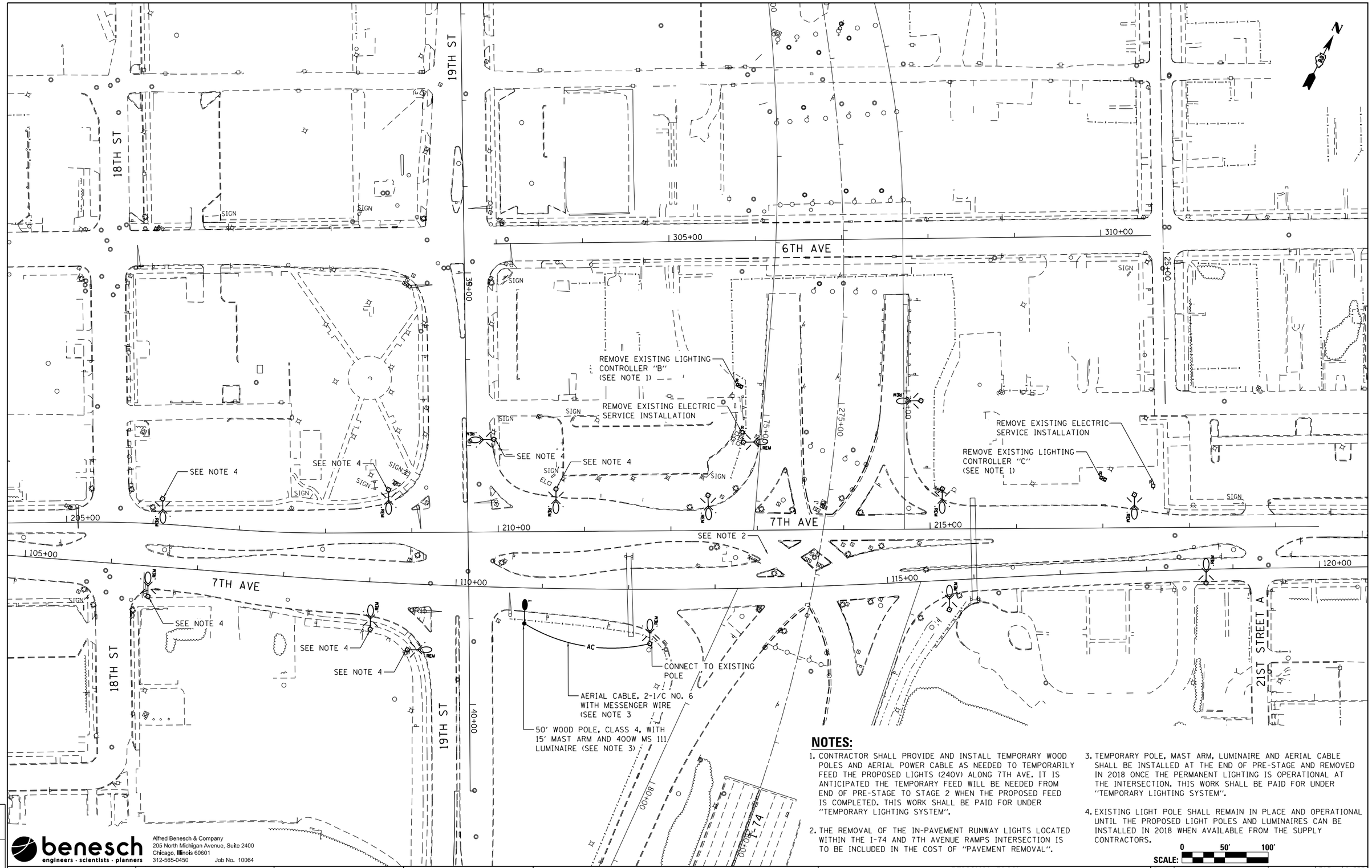

NOTES:

1. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY WOOD POLES AND AERIAL POWER CABLE AS NEEDED TO TEMPORARILY FEED THE PROPOSED LIGHTS (240V) ALONG 7TH AVE. IT IS ANTICIPATED THE TEMPORARY FEED WILL BE NEEDED FROM END OF PRE-STAGE TO STAGE 2 WHEN THE PROPOSED FEED IS COMPLETED. THIS WORK SHALL BE PAID FOR UNDER "TEMPORARY LIGHTING SYSTEM".
2. THE REMOVAL OF THE IN-PAVEMENT RUNWAY LIGHTS LOCATED WITHIN THE I-74 AND 7TH AVENUE RAMPS INTERSECTION IS TO BE INCLUDED IN THE COST OF "PAVEMENT REMOVAL".
3. TEMPORARY POLE, MAST ARM, LUMINAIRE AND AERIAL CABLE SHALL BE INSTALLED AT THE END OF PRE-STAGE AND REMOVED IN 2018 ONCE THE PERMANENT LIGHTING IS OPERATIONAL AT THE INTERSECTION. THIS WORK SHALL BE PAID FOR UNDER "TEMPORARY LIGHTING SYSTEM".
4. EXISTING LIGHT POLE SHALL REMAIN IN PLACE AND OPERATIONAL UNTIL THE PROPOSED LIGHT POLES AND LUMINAIRES CAN BE INSTALLED IN 2018 WHEN AVAILABLE FROM THE SUPPLY CONTRACTORS.

SCALE: 0 50' 100'

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LAYOUT | DRAWN | REVIEWED

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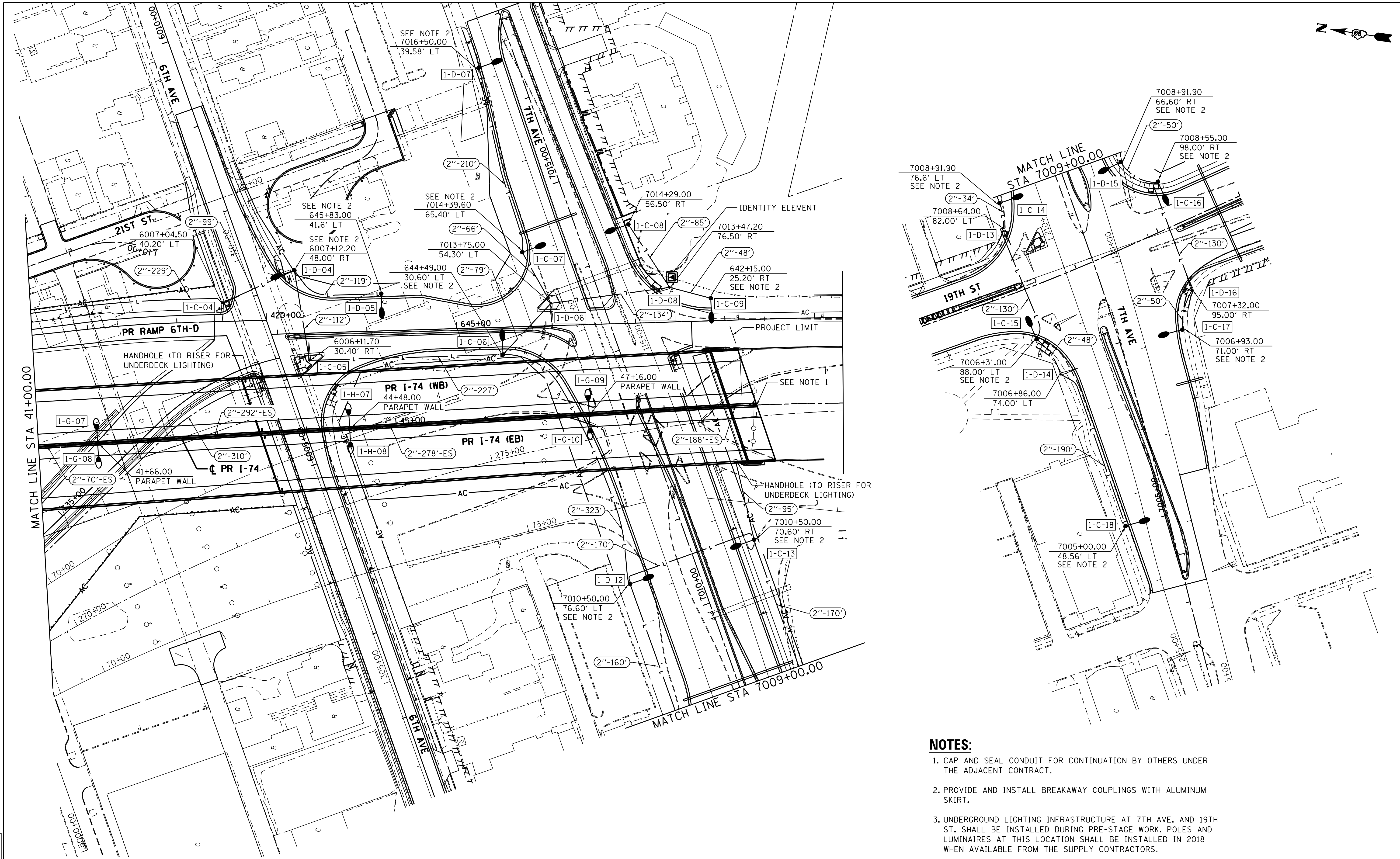
		DRAWN - JLW	REVISED -
	PLOT SCALE = AS NOTED	CHECKED - GRR	REVISED -
	PLOT DATE = 1/30/2017	DATE - 2/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
7TH AVE

SCALE: AS NOTED | SHEET NO. 4 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	500
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. CAP AND SEAL CONDUIT FOR CONTINUATION BY OTHERS UNDER THE ADJACENT CONTRACT.
2. PROVIDE AND INSTALL BREAKAWAY COUPLINGS WITH ALUMINUM SKIRT.
3. UNDERGROUND LIGHTING INFRASTRUCTURE AT 7TH AVE. AND 19TH ST. SHALL BE INSTALLED DURING PRE-STAGE WORK. POLES AND LUMINAIRES AT THIS LOCATION SHALL BE INSTALLED IN 2018 WHEN AVAILABLE FROM THE SUPPLY CONTRACTORS.

SCALE: 0 50' 100'

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		DRAWN - JLW	REVISED -
	PLOT SCALE = AS NOTED	CHECKED - GRR	REVISED -
	PLOT DATE = 1/30/2017	DATE - 2/5/2016	REVISED -

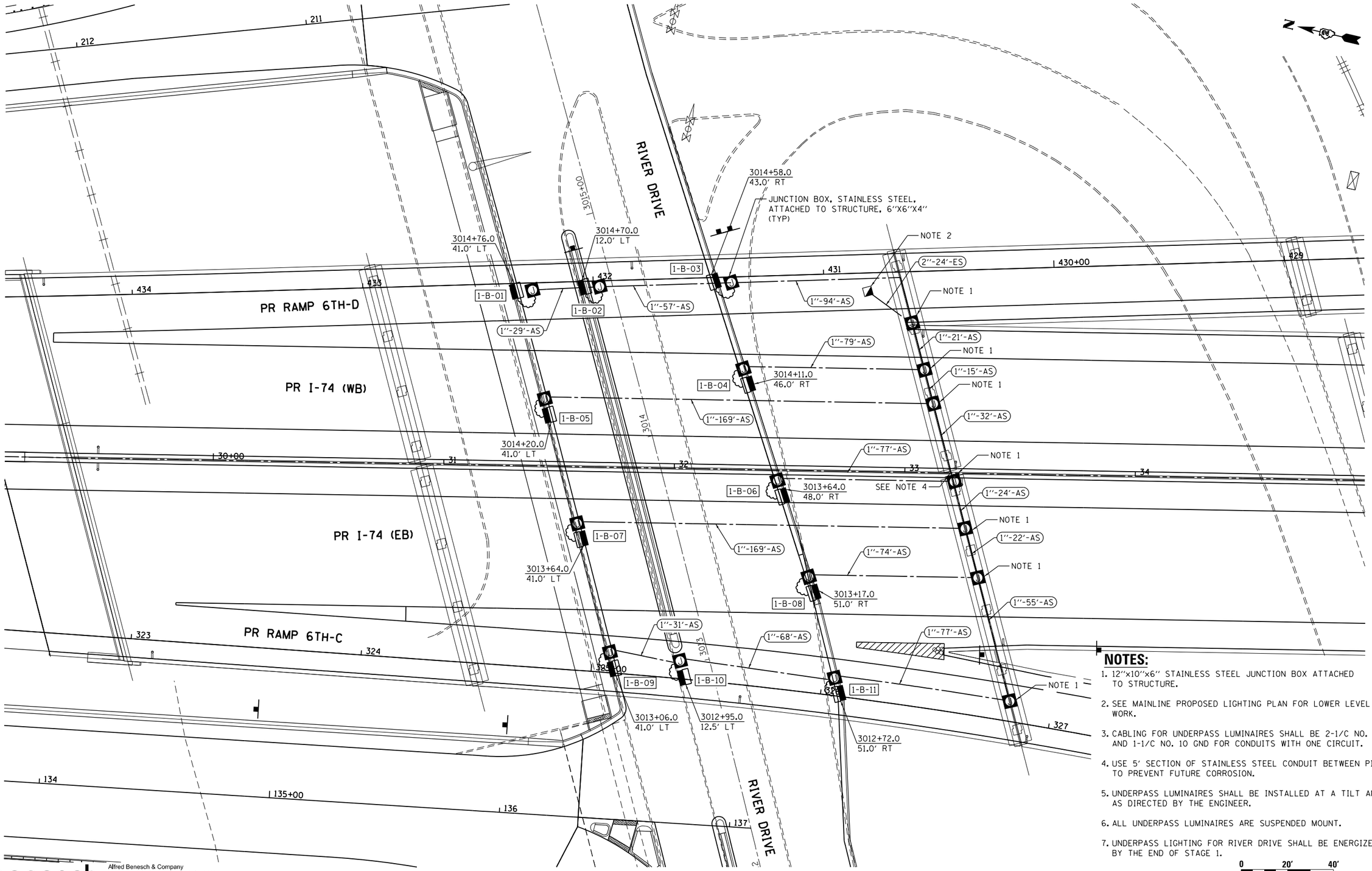
LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
MAINLINE & RAMPS

SCALE: AS NOTED | SHEET NO. 7 OF 29 SHEETS | STA. 41+00 TO STA. 56+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	503
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. 12"x10"x6" STAINLESS STEEL JUNCTION BOX ATTACHED TO STRUCTURE.
2. SEE MAINLINE PROPOSED LIGHTING PLAN FOR LOWER LEVEL WORK.
3. CABLING FOR UNDERPASS LUMINAIRES SHALL BE 2-1/C NO. 10 AND 1-1/C NO. 10 GND FOR CONDUITS WITH ONE CIRCUIT.
4. USE 5' SECTION OF STAINLESS STEEL CONDUIT BETWEEN PIERS TO PREVENT FUTURE CORROSION.
5. UNDERPASS LUMINAIRES SHALL BE INSTALLED AT A TILT ANGLE AS DIRECTED BY THE ENGINEER.
6. ALL UNDERPASS LUMINAIRES ARE SUSPENDED MOUNT.
7. UNDERPASS LIGHTING FOR RIVER DRIVE SHALL BE ENERGIZED BY THE END OF STAGE 1.

SCALE: 0 20' 40'

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LAYOUT	DRAWN	REVIEWED

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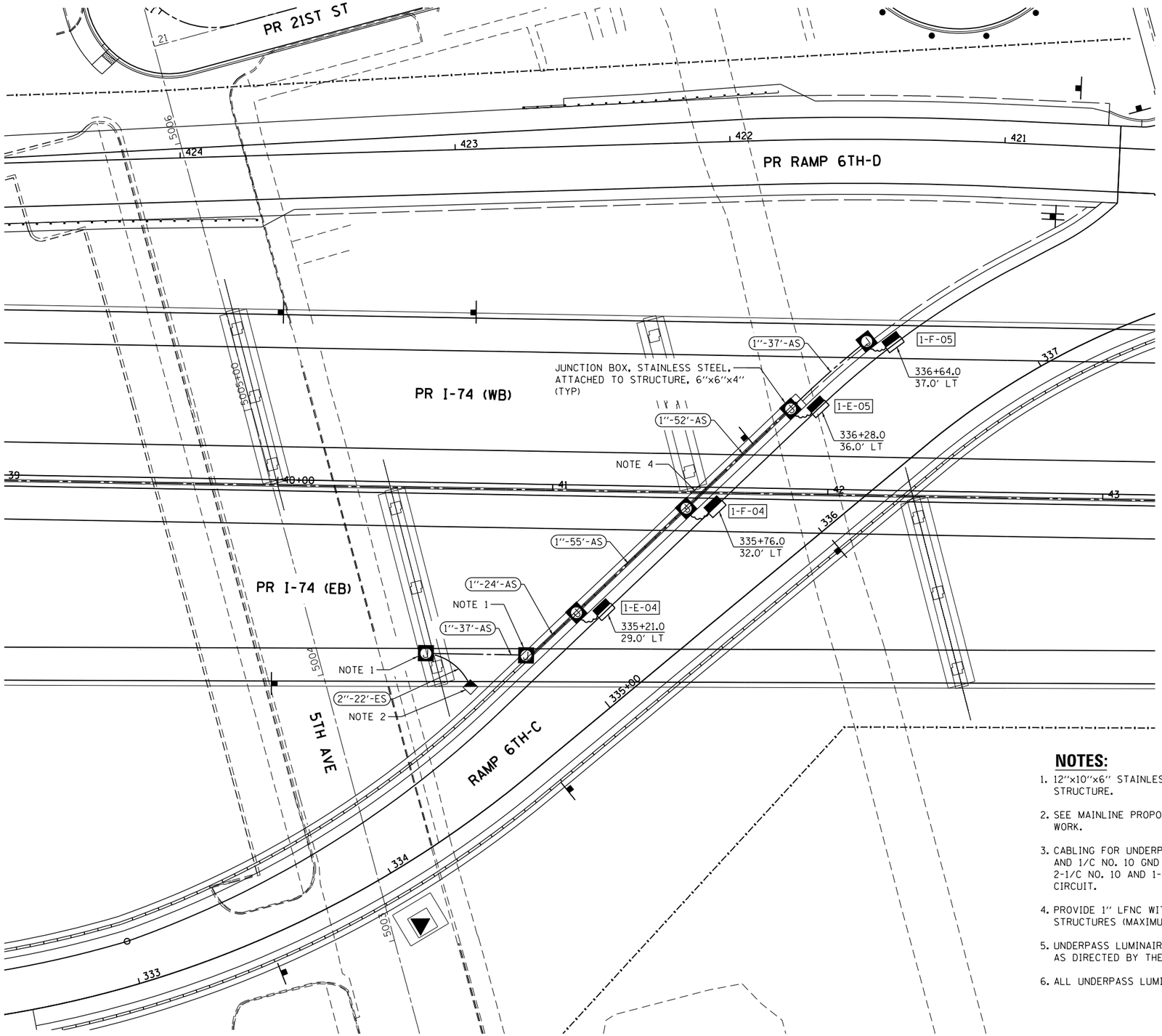
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED UNDERDECK LIGHTING PLAN
RIVER DRIVE

SCALE: AS NOTED | SHEET NO. 8 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	504
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. 12"x10"x6" STAINLESS STEEL JUNCTION BOX ATTACHED TO STRUCTURE.
2. SEE MAINLINE PROPOSED LIGHTING PLAN FOR LOWER LEVEL WORK.
3. CABLING FOR UNDERPASS LUMINAIRES SHALL BE 4-1/C NO. 10 AND 1/C NO. 10 GND FOR CONDUITS WITH TWO CIRCUITS AND 2-1/C NO. 10 AND 1-1/C NO. 10 GND FOR CONDUITS WITH ONE CIRCUIT.
4. PROVIDE 1" LFNC WITH CIRCUIT CABLING BETWEEN BRIDGE STRUCTURES (MAXIMUM LENGTH OF 6') TO ALLOW FOR MOVEMENT.
5. UNDERPASS LUMINAIRES SHALL BE INSTALLED AT A TILT ANGLE AS DIRECTED BY THE ENGINEER.
6. ALL UNDERPASS LUMINAIRES ARE SUSPENDED MOUNT.

SCALE: 0 20' 40'

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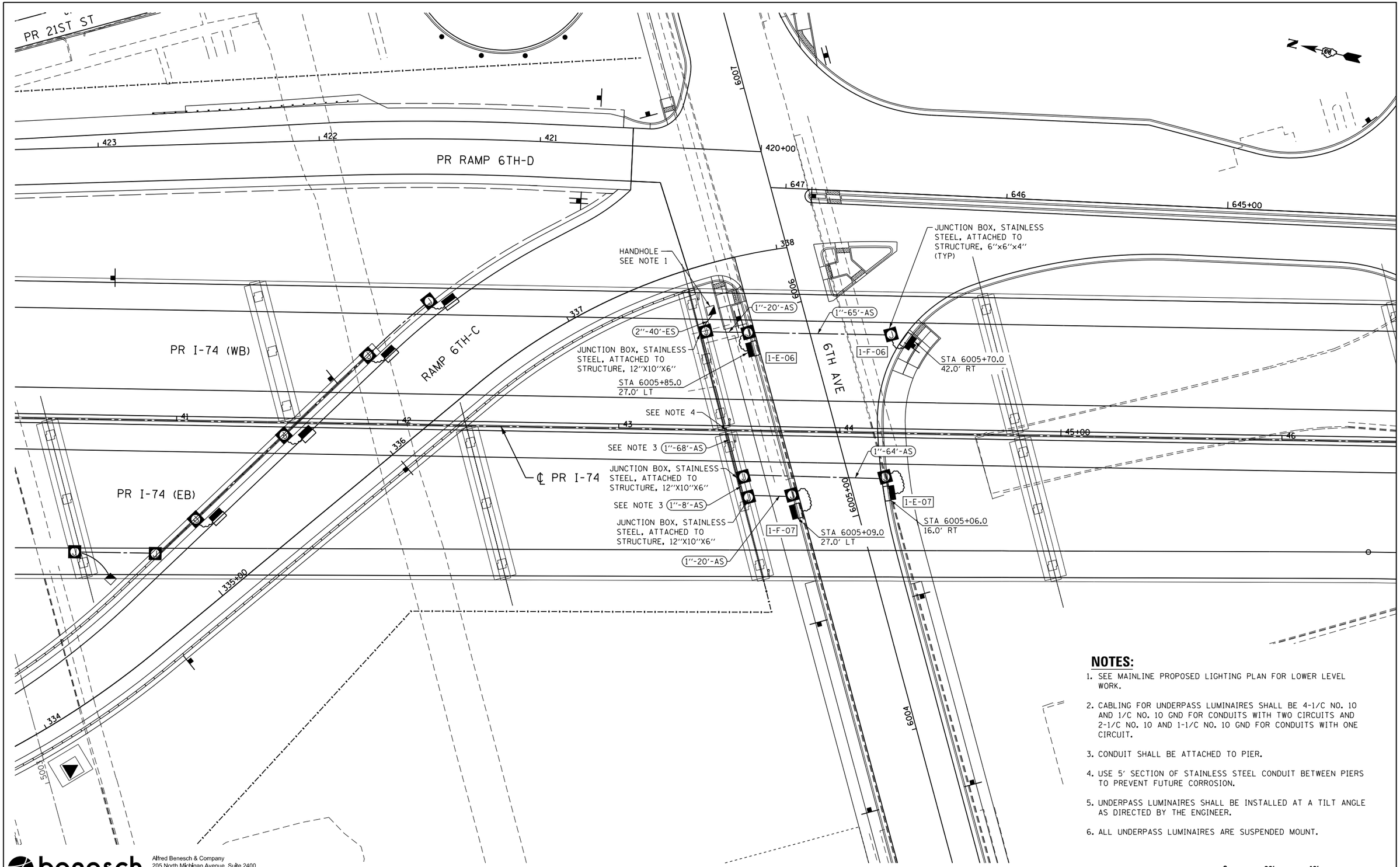
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED UNDERDECK LIGHTING PLAN
RAMP 6TH C

SCALE: AS NOTED | SHEET NO. 9 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	505
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SEE MAINLINE PROPOSED LIGHTING PLAN FOR LOWER LEVEL WORK.
2. CABLING FOR UNDERPASS LUMINAIRES SHALL BE 4-1/C NO. 10 AND 1/C NO. 10 GND FOR CONDUITS WITH TWO CIRCUITS AND 2-1/C NO. 10 AND 1-1/C NO. 10 GND FOR CONDUITS WITH ONE CIRCUIT.
3. CONDUIT SHALL BE ATTACHED TO PIER.
4. USE 5' SECTION OF STAINLESS STEEL CONDUIT BETWEEN PIERS TO PREVENT FUTURE CORROSION.
5. UNDERPASS LUMINAIRES SHALL BE INSTALLED AT A TILT ANGLE AS DIRECTED BY THE ENGINEER.
6. ALL UNDERPASS LUMINAIRES ARE SUSPENDED MOUNT.

SCALE: 0 20' 40'

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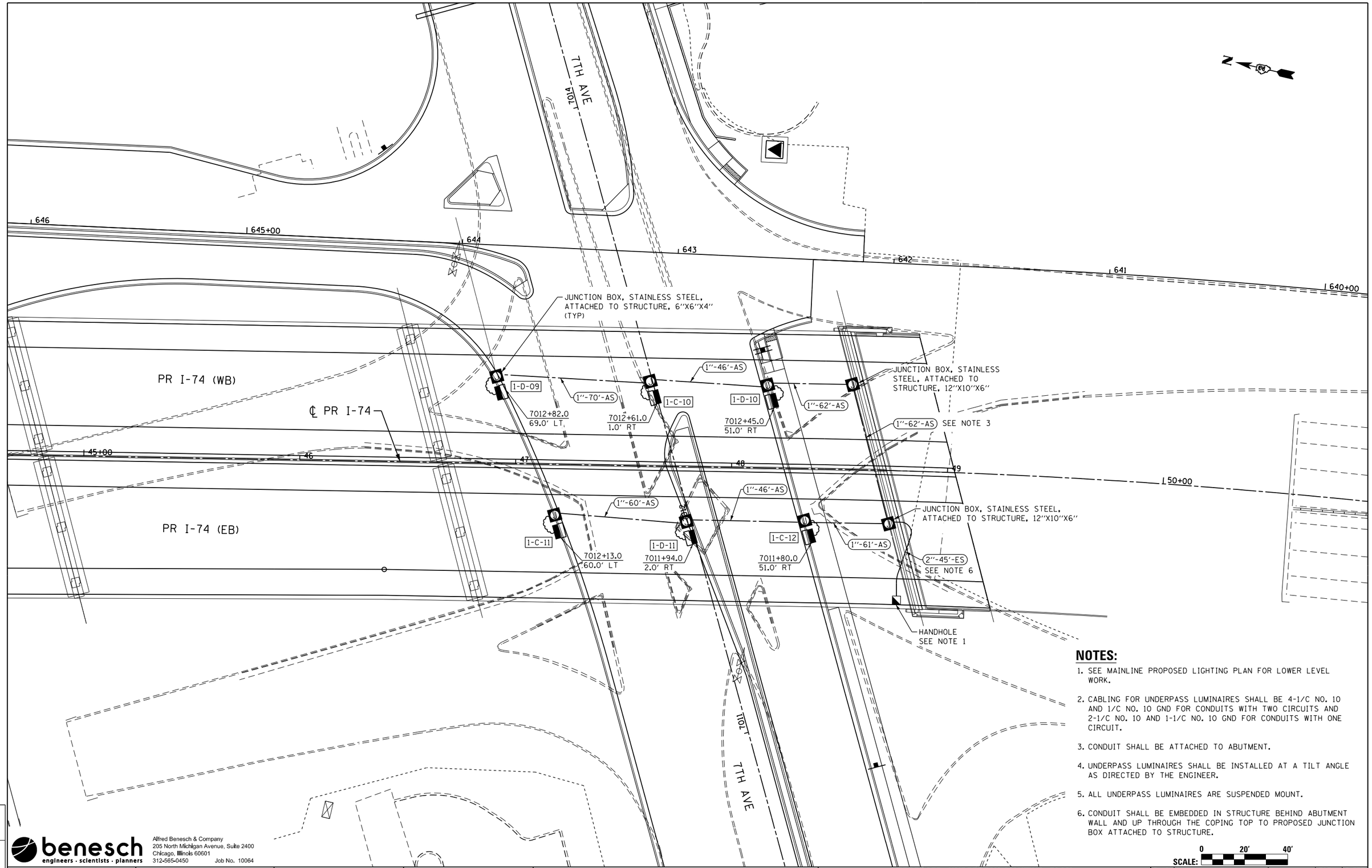
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED UNDERDECK LIGHTING PLAN
6TH AVE

SCALE: AS NOTED | SHEET NO. 10 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	506
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. SEE MAINLINE PROPOSED LIGHTING PLAN FOR LOWER LEVEL WORK.
2. CABLING FOR UNDERPASS LUMINAIRES SHALL BE 4-1/C NO. 10 AND 1/C NO. 10 GND FOR CONDUITS WITH TWO CIRCUITS AND 2-1/C NO. 10 AND 1-1/C NO. 10 GND FOR CONDUITS WITH ONE CIRCUIT.
3. CONDUIT SHALL BE ATTACHED TO ABUTMENT.
4. UNDERPASS LUMINAIRES SHALL BE INSTALLED AT A TILT ANGLE AS DIRECTED BY THE ENGINEER.
5. ALL UNDERPASS LUMINAIRES ARE SUSPENDED MOUNT.
6. CONDUIT SHALL BE EMBEDDED IN STRUCTURE BEHIND ABUTMENT WALL AND UP THROUGH THE COPING TOP TO PROPOSED JUNCTION BOX ATTACHED TO STRUCTURE.

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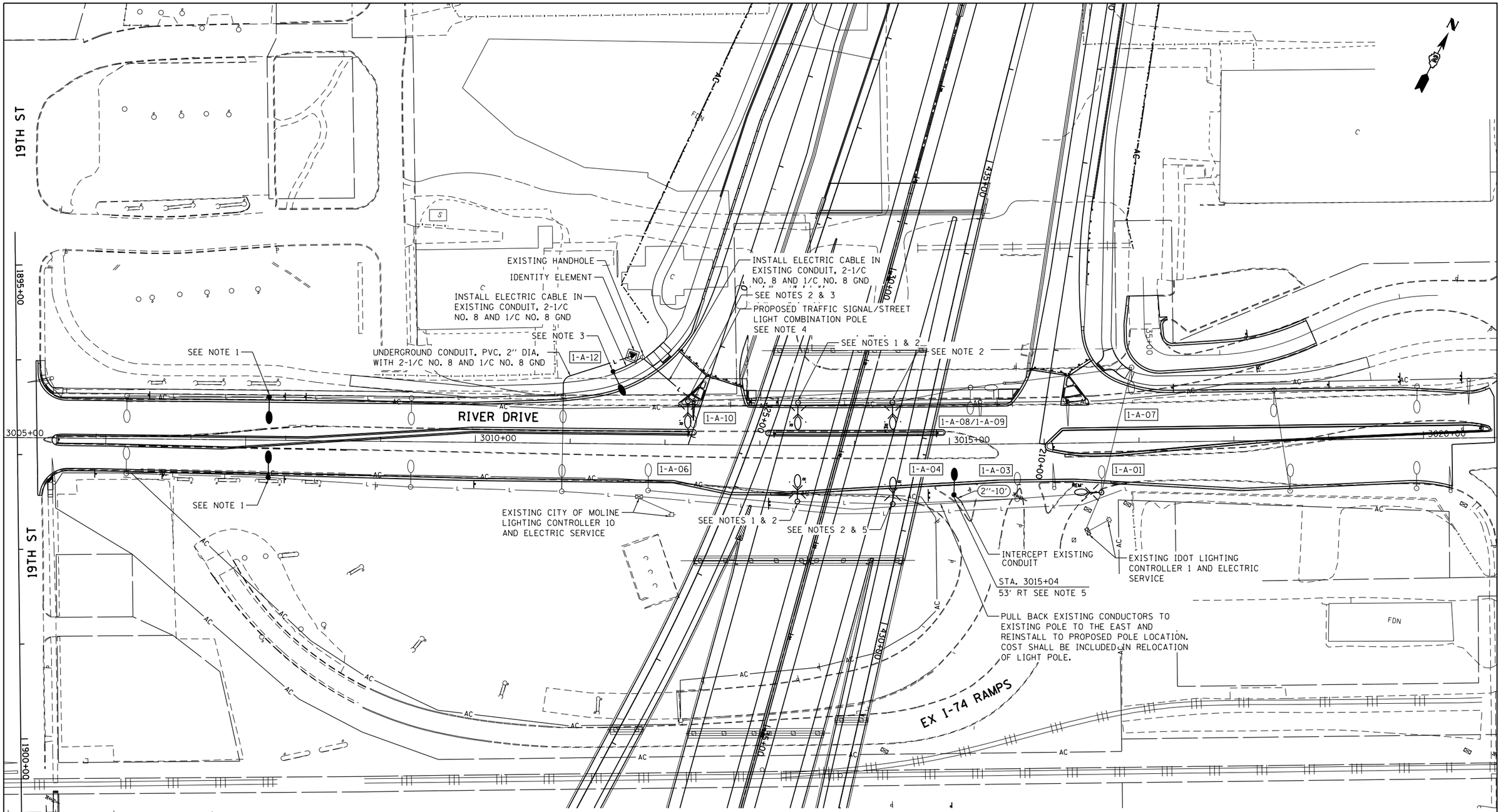
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED UNDERDECK LIGHTING PLAN
7TH AVE

SCALE: AS NOTED | SHEET NO. 11 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	507
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. CONTRACTOR SHALL RELOCATE EXISTING LIGHT POLE NEAR THE PROPOSED I-74 STRUCTURES TO THE EXISTING FOUNDATION UNDER THE EXISTING I-74 STRUCTURES ONCE THE EXISTING STRUCTURES ARE DEMOLISHED. REMOVE THE EXISTING POLE IN STAGE 1 AND REERECT POLE AT NEW LOCATION IN STAGE 3. CONTRACTOR SHALL STORE POLE BETWEEN STAGES. CONTRACTOR SHALL REMOVE THE JUNCTION BOX "CAP" OVER THE EXISTING FOUNDATION AND DISPOSE OF OFF SITE.
2. CONTRACTOR SHALL REMOVE THE EXISTING FOUNDATION ONCE THE POLE HAS BEEN RELOCATED OR REMOVED AS APPLICABLE.
3. CONTRACTOR SHALL RELOCATE EXISTING LIGHT POLE IN THE ISLAND TO THE EXISTING FOUNDATION BEHIND THE SIDEWALK ONCE THE OVERHEAD HIGH VOLTAGE LINES ARE RELOCATED BY MID AMERICAN.
4. CONTRACTOR SHALL INSTALL ONE OF THE REMOVED LUMINAIRES TO THE EAST ONTO THIS PROPOSED COMBINATION POLE. CONTRACTOR SHALL REMOVE THE JUNCTION BOX "CAP" OVER THE EXISTING FOUNDATION AND DISPOSE OFF SITE.
5. CONTRACTOR SHALL RELOCATE EXISTING LIGHT POLE TO PROPOSED 30" DIA. FOUNDATION TO THE EAST. REMOVE THE EXISTING POLE IN STAGE 1 AND REERECT POLE AT NEW LOCATION IN STAGE 3. CONTRACTOR SHALL STORE POLE BETWEEN STAGES.
6. UNDERPASS LIGHTING FOR RIVER DRIVE SHALL BE ENERGIZED BY THE END OF STAGE 1.

SCALE: 0 50' 100'

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		DRAWN - JLW	REVISED -
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	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

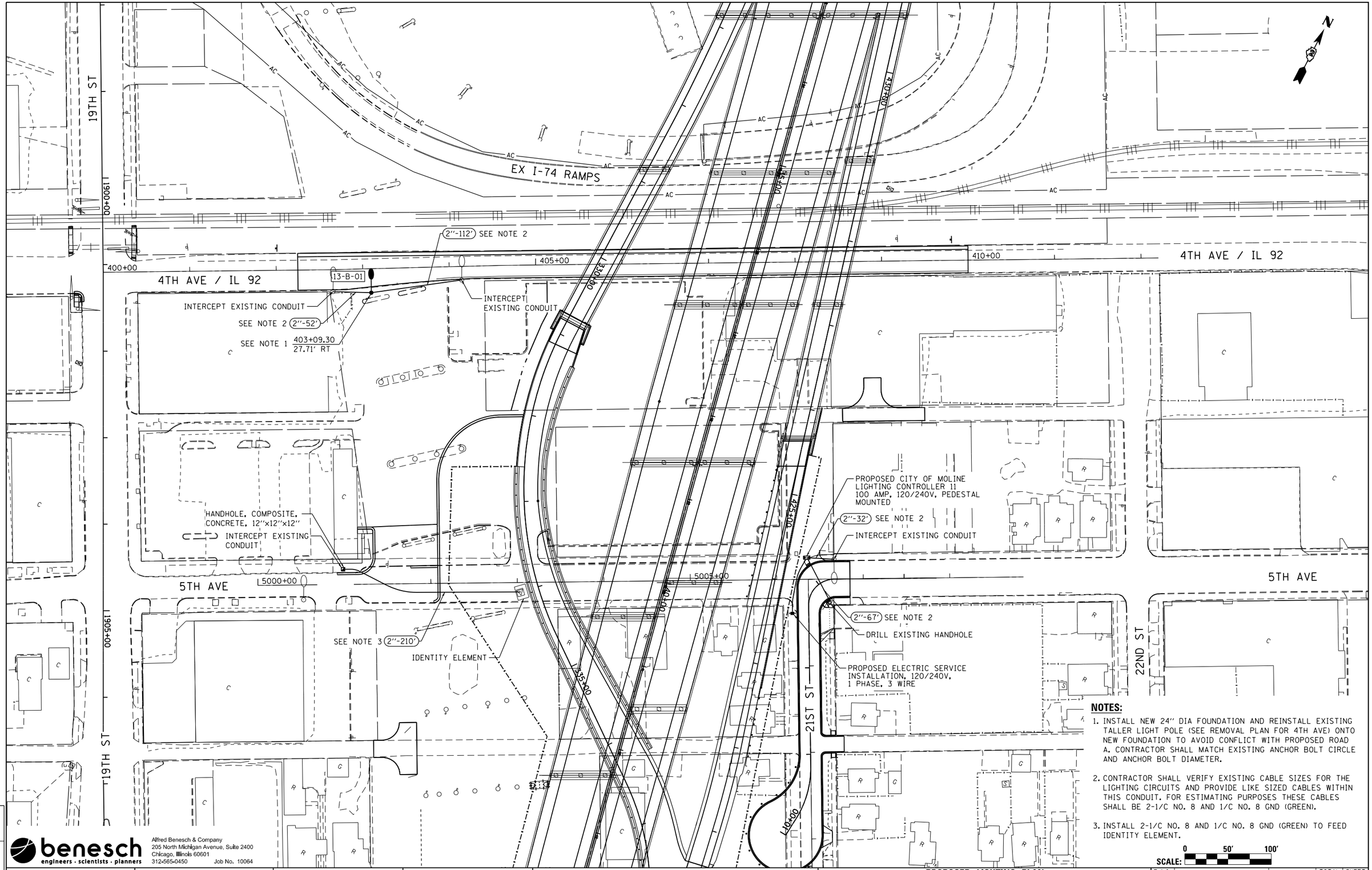
LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
RIVER DRIVE

SCALE: NO SCALE | SHEET NO. 12 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	508
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. INSTALL NEW 24" DIA FOUNDATION AND REINSTALL EXISTING TALLER LIGHT POLE (SEE REMOVAL PLAN FOR 4TH AVE) ONTO NEW FOUNDATION TO AVOID CONFLICT WITH PROPOSED ROAD A. CONTRACTOR SHALL MATCH EXISTING ANCHOR BOLT CIRCLE AND ANCHOR BOLT DIAMETER.
2. CONTRACTOR SHALL VERIFY EXISTING CABLE SIZES FOR THE LIGHTING CIRCUITS AND PROVIDE LIKE SIZED CABLES WITHIN THIS CONDUIT. FOR ESTIMATING PURPOSES THESE CABLES SHALL BE 2-1/C NO. 8 AND 1/C NO. 8 GND (GREEN).
3. INSTALL 2-1/C NO. 8 AND 1/C NO. 8 GND (GREEN) TO FEED IDENTITY ELEMENT.

SCALE: 0 50' 100'

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	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

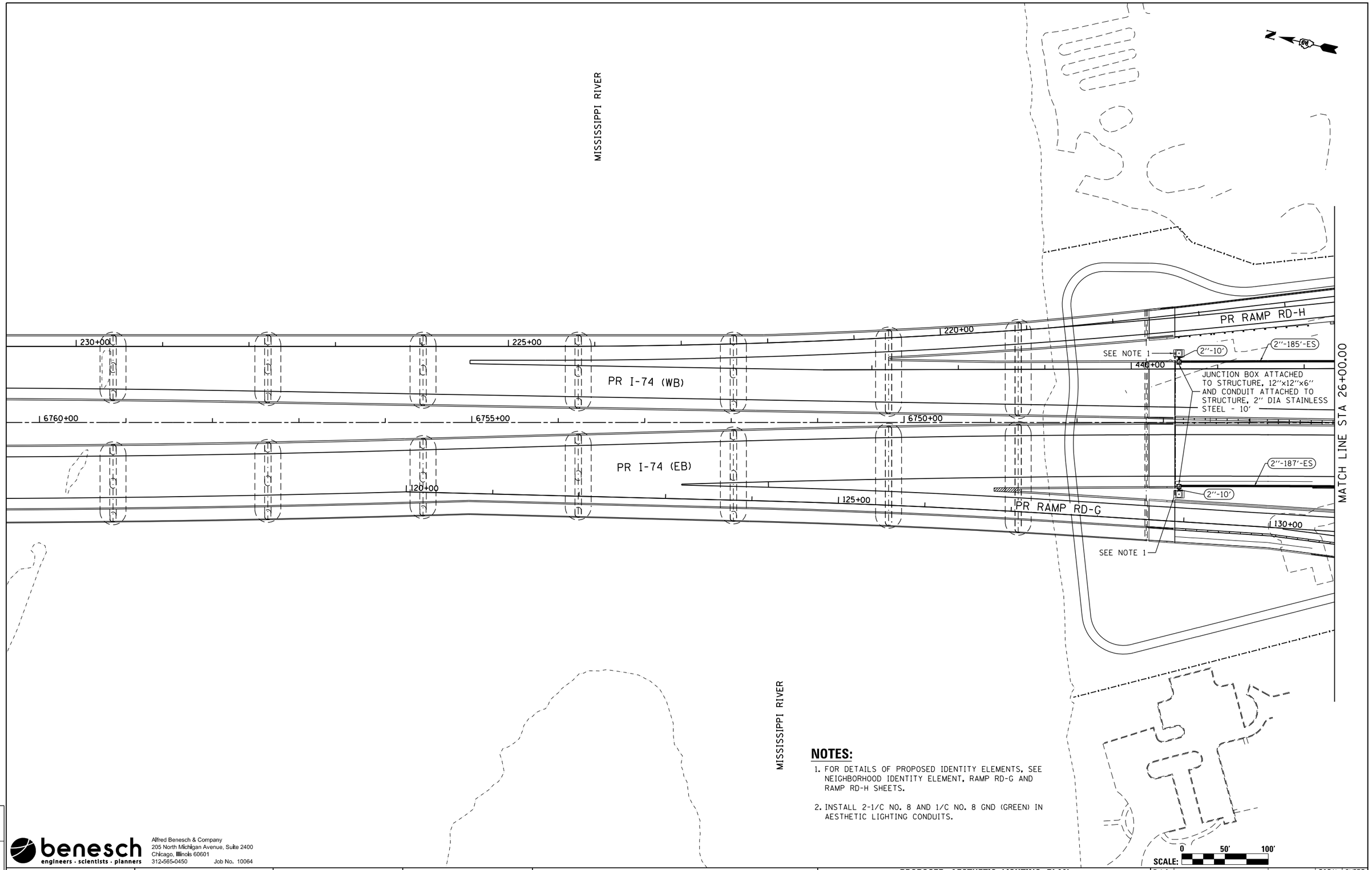
LAYOUT
DRAWN
REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING PLAN
4TH AVE & 5TH AVE

SCALE: NO SCALE | SHEET NO. 13 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	509
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. FOR DETAILS OF PROPOSED IDENTITY ELEMENTS, SEE NEIGHBORHOOD IDENTITY ELEMENT, RAMP RD-G AND RAMP RD-H SHEETS.
2. INSTALL 2-1/C NO. 8 AND 1/C NO. 8 GND (GREEN) IN AESTHETIC LIGHTING CONDUITS.

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		DRAWN - JLW	REVISED -
	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

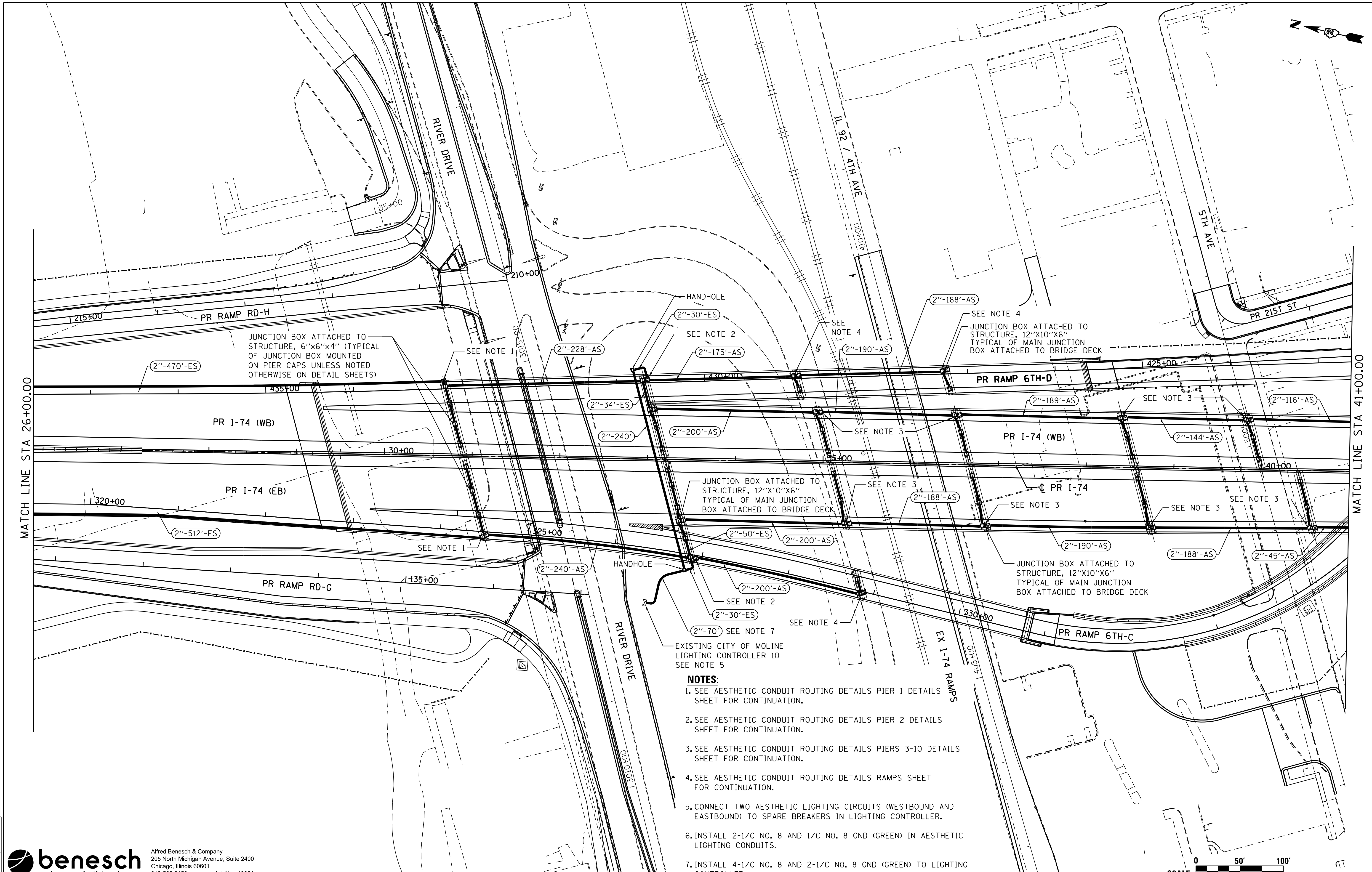
LAYOUT
DRAWN
REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED AESTHETIC LIGHTING PLAN
MAINLINE & RAMPS

SCALE: NO SCALE | SHEET NO. 14 OF 29 SHEETS | STA. 11+00 | TO STA. 26+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	510
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SEE AESTHETIC CONDUIT ROUTING DETAILS PIER 1 DETAILS SHEET FOR CONTINUATION.
2. SEE AESTHETIC CONDUIT ROUTING DETAILS PIER 2 DETAILS SHEET FOR CONTINUATION.
3. SEE AESTHETIC CONDUIT ROUTING DETAILS PIERS 3-10 DETAILS SHEET FOR CONTINUATION.
4. SEE AESTHETIC CONDUIT ROUTING DETAILS RAMPS SHEET FOR CONTINUATION.
5. CONNECT TWO AESTHETIC LIGHTING CIRCUITS (WESTBOUND AND EASTBOUND) TO SPARE BREAKERS IN LIGHTING CONTROLLER.
6. INSTALL 2-1/C NO. 8 AND 1/C NO. 8 GND (GREEN) IN AESTHETIC LIGHTING CONDUITS.
7. INSTALL 4-1/C NO. 8 AND 2-1/C NO. 8 GND (GREEN) TO LIGHTING CONTROLLER.

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		DRAWN - JLW	REVISED -
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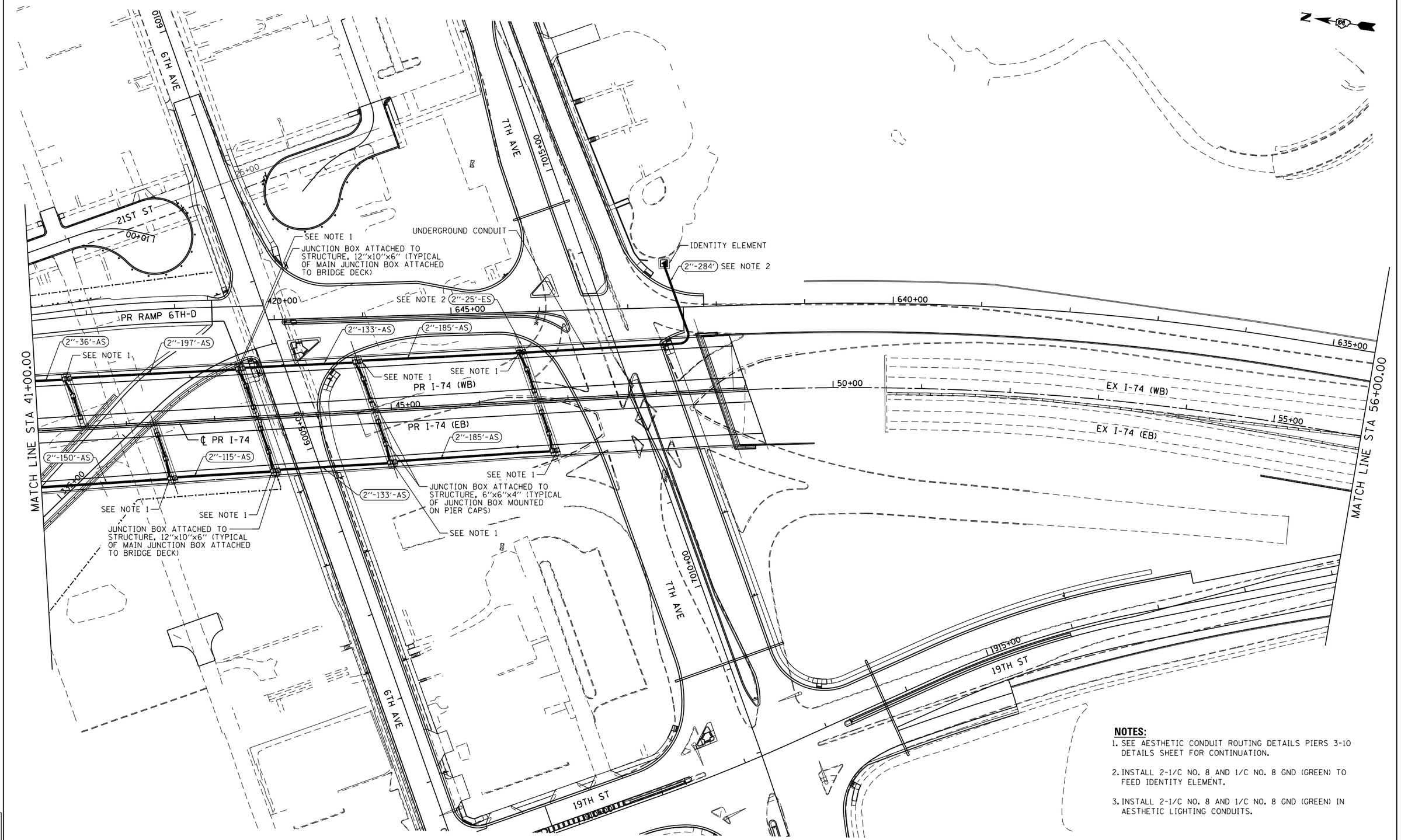
LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED AESTHETIC LIGHTING PLAN
MAINLINE & RAMPS

SCALE: NO SCALE | SHEET NO. 15 OF 29 SHEETS | STA. 26+00 TO STA. 41+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	511
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SEE AESTHETIC CONDUIT ROUTING DETAILS PIERS 3-10 DETAILS SHEET FOR CONTINUATION.
2. INSTALL 2-1/C NO. 8 AND 1/C NO. 8 GND (GREEN) TO FEED IDENTITY ELEMENT.
3. INSTALL 2-1/C NO. 8 AND 1/C NO. 8 GND (GREEN) IN AESTHETIC LIGHTING CONDUITS.

SCALE: 0 50' 100'

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	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

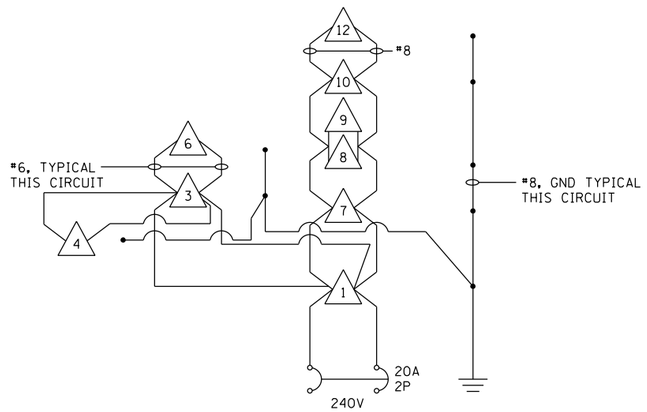
PROPOSED AESTHETIC LIGHTING PLAN
MAINLINE & RAMPS

SCALE: NO SCALE | SHEET NO. 16 OF 29 SHEETS | STA. 41+00 | TO STA. 56+00

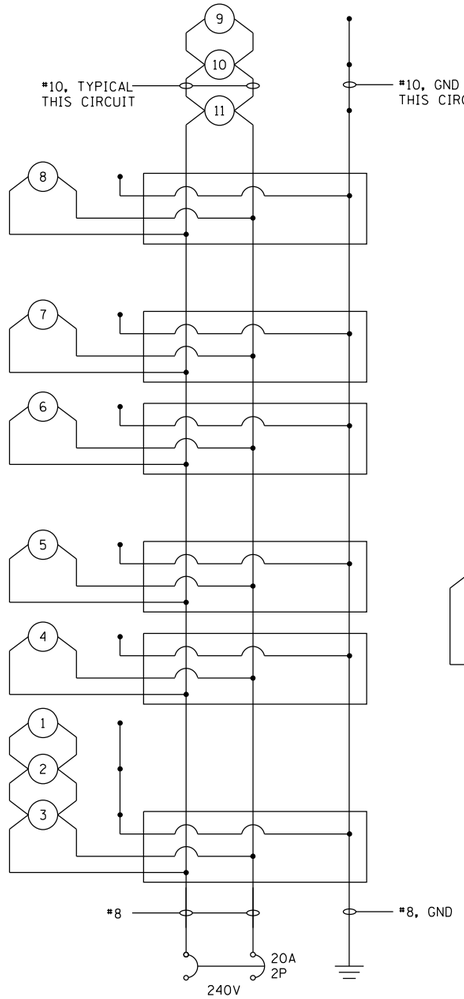
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	512
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

LEGEND

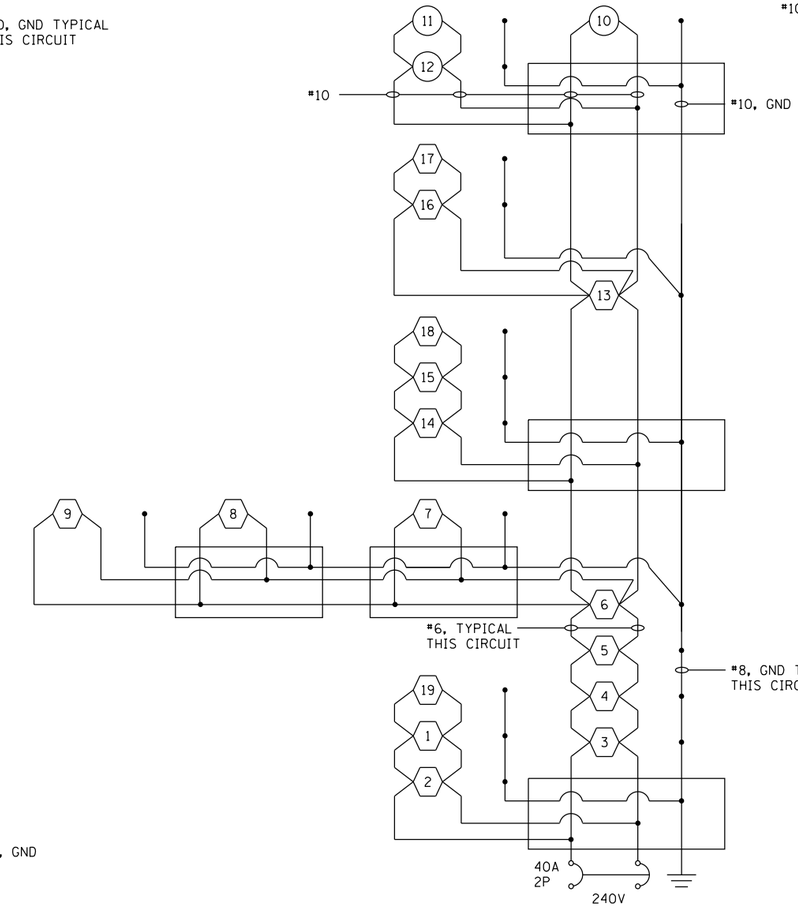
- MEDIUM WATTAGE LED ROADWAY LUMINAIRE
- VERY LOW WATTAGE LED UNDERPASS LUMINAIRE
- GROUND CONNECTION AT EACH POLE
- GROUND ROD
- JUNCTION BOX
- EXISTING LOW WATTAGE LED ROADWAY LUMINAIRE



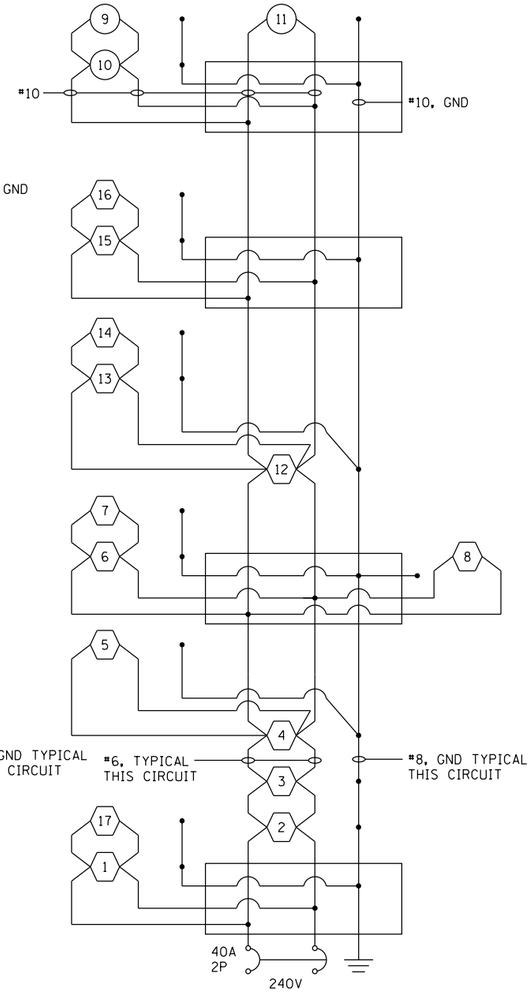
LIGHTING CONTROLLER 1
CKT A



LIGHTING CONTROLLER 1
CKT B



LIGHTING CONTROLLER 1
CKT C



LIGHTING CONTROLLER 1
CKT D

NOTES:

1. BOND EACH JUNCTION BOX TO EQUIPMENT GROUND CONDUCTOR.
2. ALL WIRING TO BE UTILIZED FOR UNDERPASSES SHALL BE NO. 10.

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		DRAWN - JLW	REVISED -
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LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING WIRING SCHEMATIC PLAN
MAINLINE & RAMPS

SCALE: NO SCALE | SHEET NO. 17 OF 29 SHEETS | STA. | TO STA.

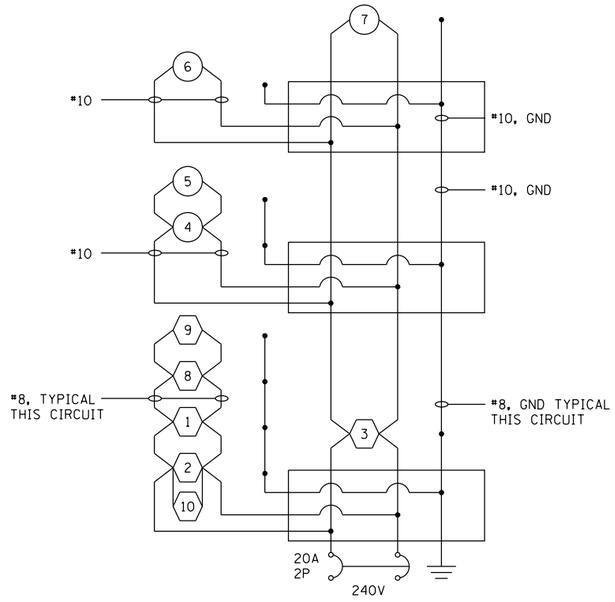
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	513
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

LEGEND

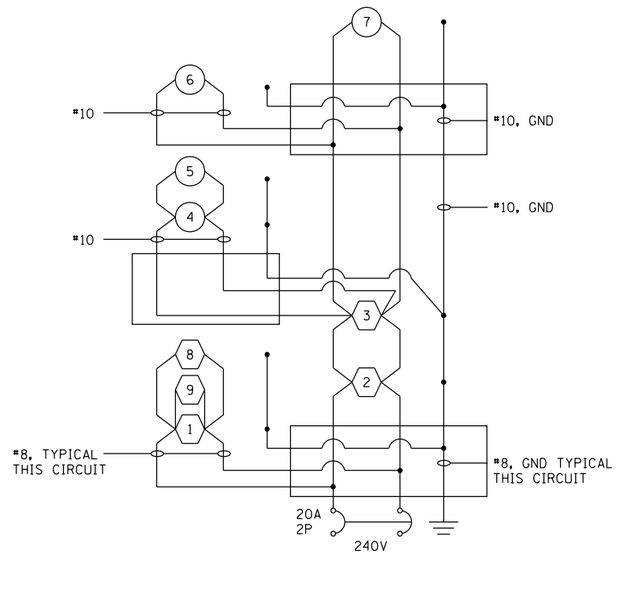
- MEDIUM WATTAGE LED ROADWAY LUMINAIRE
- VERY LOW WATTAGE LED UNDERPASS LUMINAIRE
- GROUND CONNECTION AT EACH POLE
- GROUND ROD
- JUNCTION BOX

NOTES:

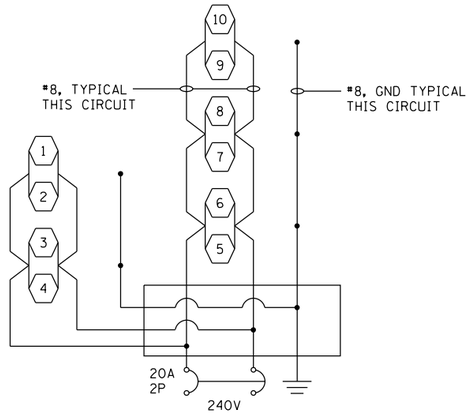
1. BOND EACH JUNCTION BOX TO EQUIPMENT GROUND CONDUCTOR.
2. ALL WIRING TO BE UTILIZED FOR UNDERPASSES SHALL BE NO. 10.



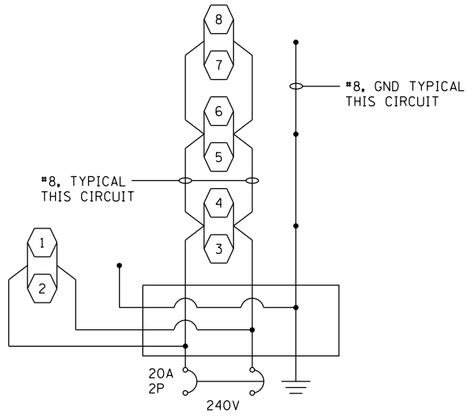
LIGHTING CONTROLLER 1
CKT E



LIGHTING CONTROLLER 1
CKT F



LIGHTING CONTROLLER 1
CKT G



LIGHTING CONTROLLER 1
CKT H

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		DRAWN - JLW	REVISED -
	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

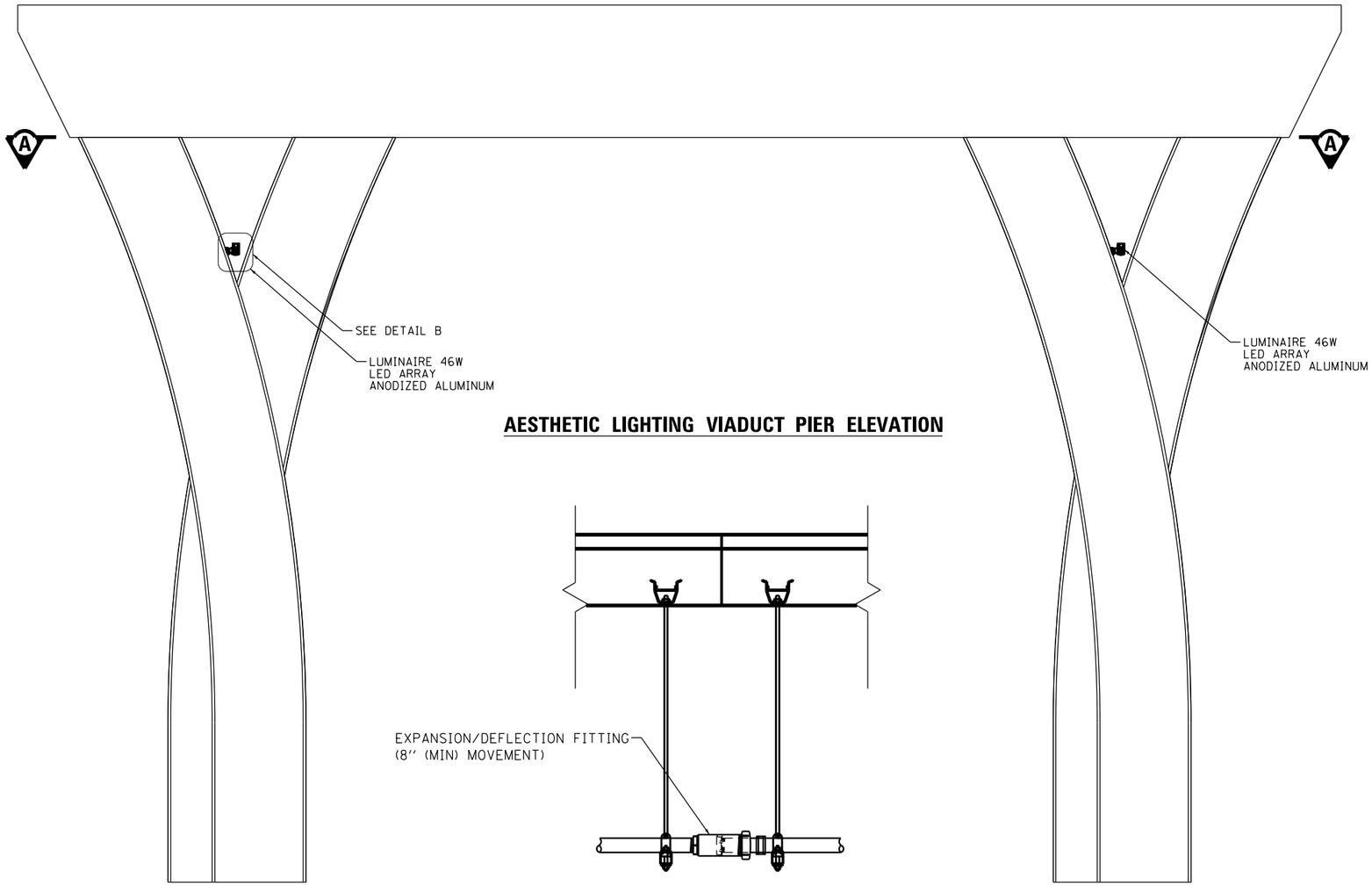
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED LIGHTING WIRING SCHEMATIC PLAN
MAINLINE & RAMPS

SCALE: NO SCALE | SHEET NO. 18 OF 29 SHEETS | STA. | TO STA.

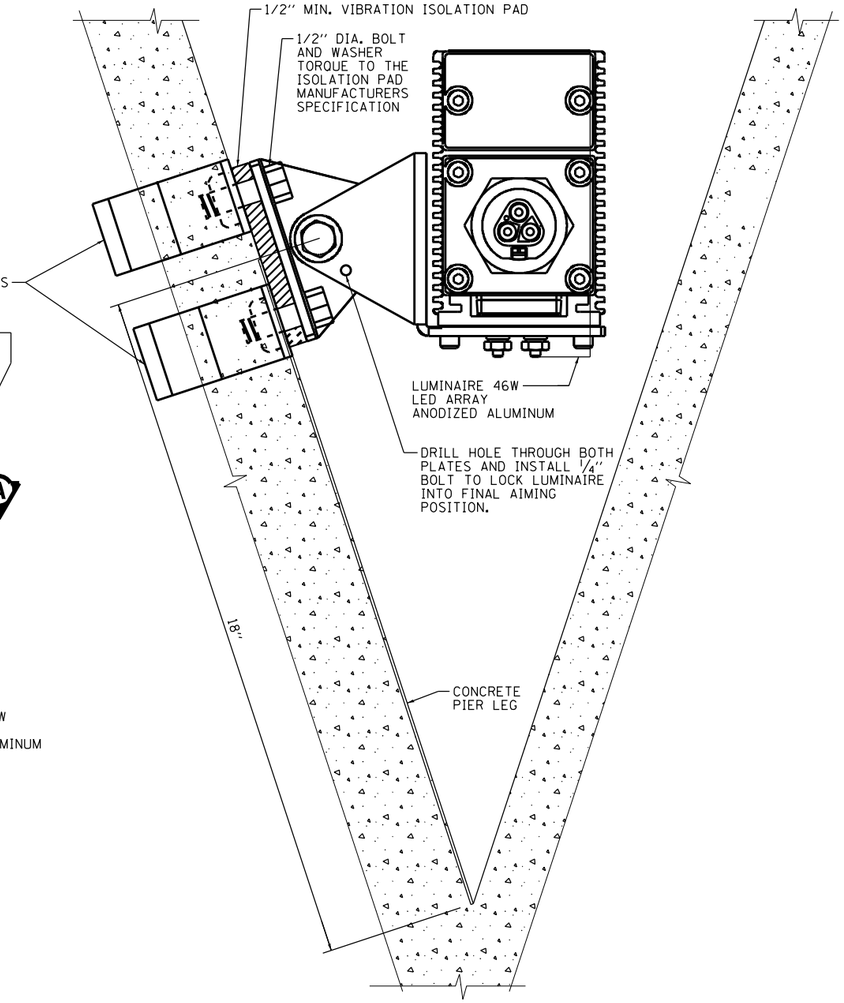
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	514
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		

AESTHETIC LIGHTING VIADUCT PIER CAP– SECTION A–A



AESTHETIC LIGHTING VIADUCT PIER ELEVATION

CONCRETE ATTACHED EXPANSION/DEFLECTION FITTING DETAIL



DETAIL B
VIADUCT PIER CAP MOUNTING

NOTES:

1. LUMINAIRE TO BE AIMED AT THE PIER CAP WITH THE FIXTURE LENS ALIGNED WITH NADIR. AFTER AIMING OF ALL FIXTURES HAS BEEN APPROVED BY THE ENGINEER, APPLY THREADLOCKER TO HINGE LOCKS TO PREVENT LOOSENING FROM SHOCK AND VIBRATION.
2. SEE AESTHETIC LIGHTING SPECIAL PROVISION FOR LUMINAIRE SPECIFICATION.

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LAYOUT | DRAWN | REVIEWED

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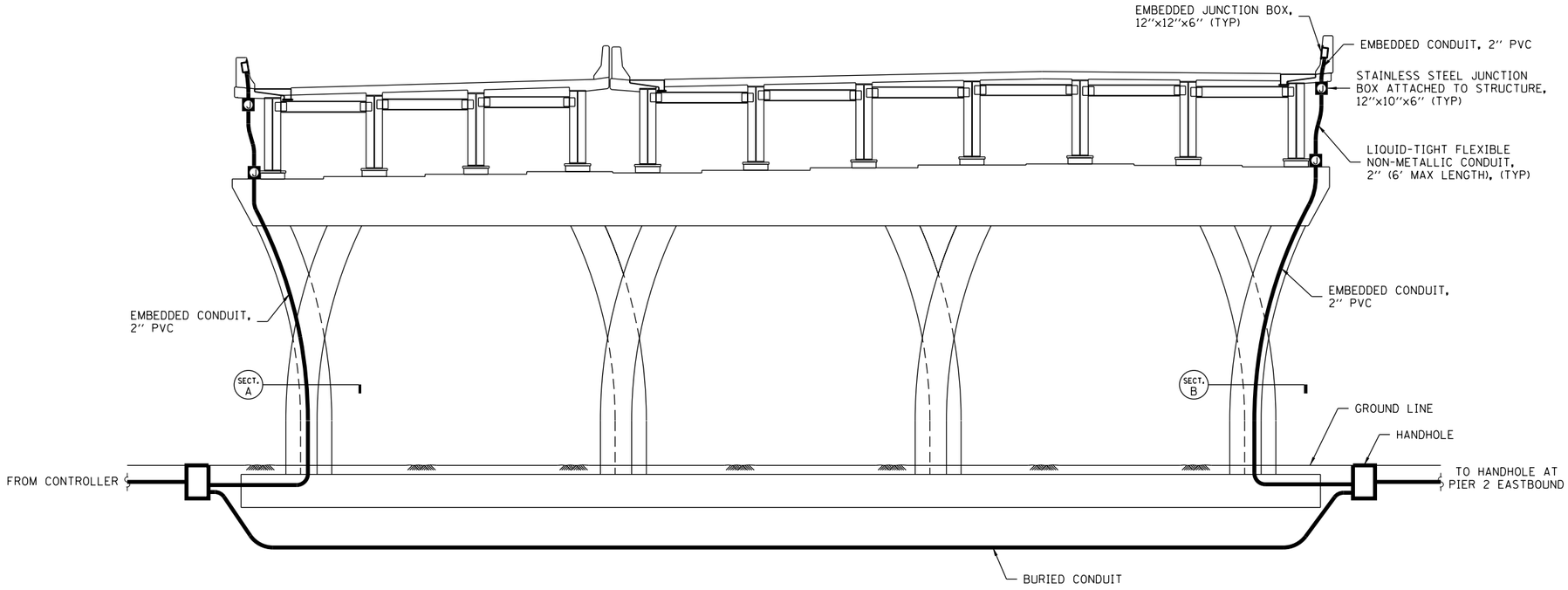
	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AESTHETIC LIGHTING DETAILS

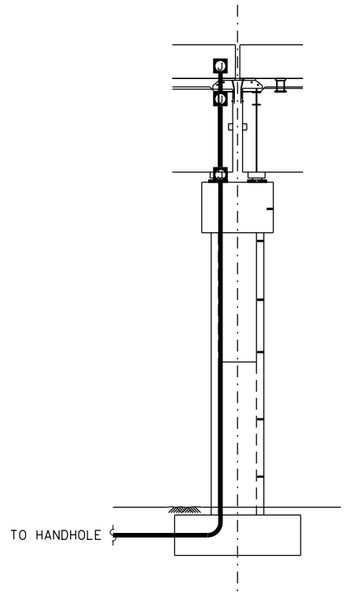
SCALE: NO SCALE | SHEET NO. 19 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	515
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



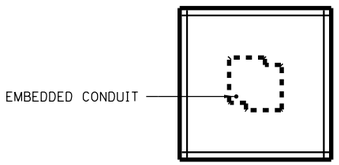
PIER 2 (WESTBOUND) TRANSVERSE ELEVATION (LOOKING SOUTH)

NO SCALE



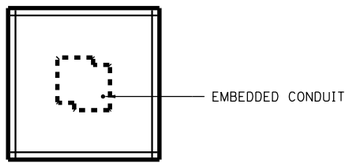
PIER 2 LONGITUDINAL ELEVATION

NO SCALE



SECTION A

NO SCALE



SECTION B

NO SCALE

NOTE:

1. PIER 2 EASTBOUND IS SIMILAR EXCEPT CONDUIT RISER UP PIER AND JUNCTION BOXES ARE ONLY AT WESTERN EDGE FOR RAMP 6TH-C.

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		DRAWN - JLW	REVISED -
	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

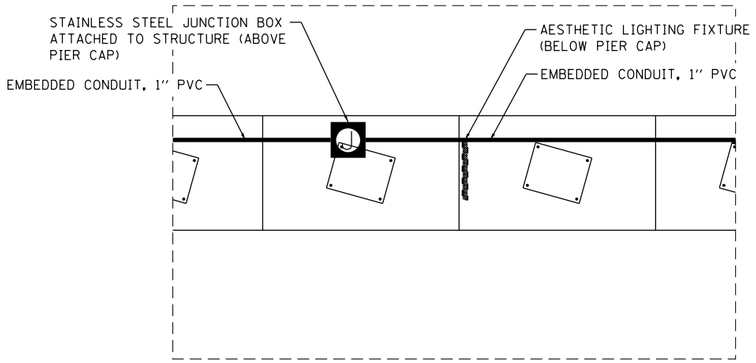
LAYOUT
DRAWN
REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINLINE CONDUIT ROUTING DETAILS
PIER 2

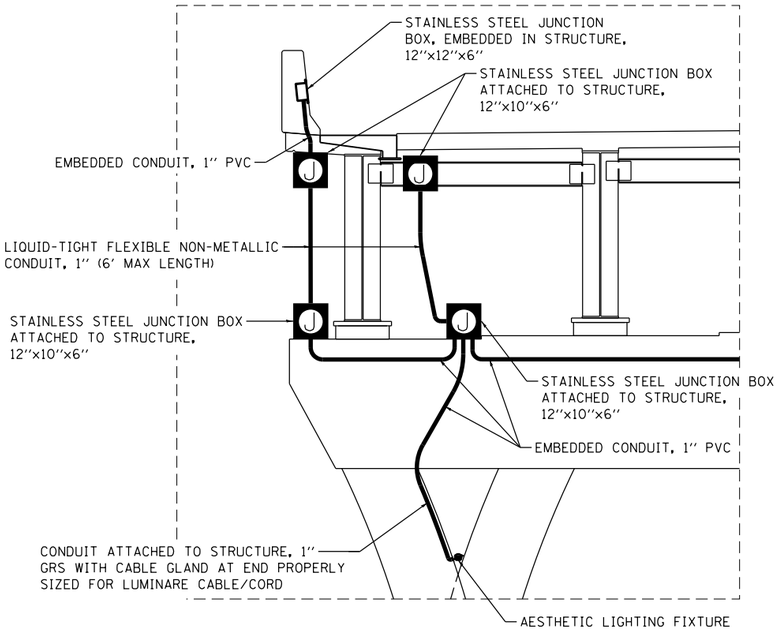
SCALE: NO SCALE | SHEET NO. 20 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	516
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



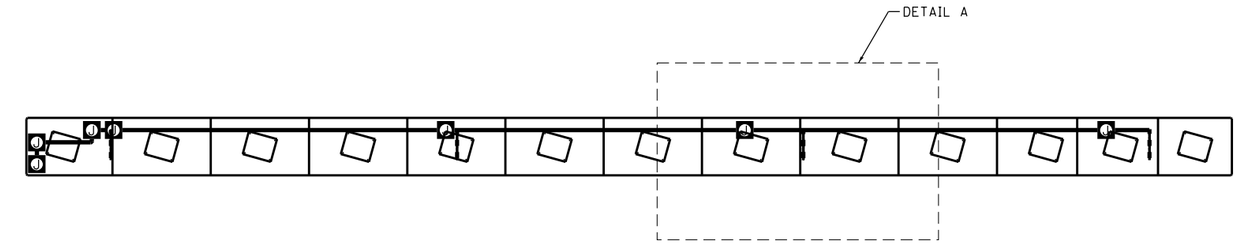
DETAIL A

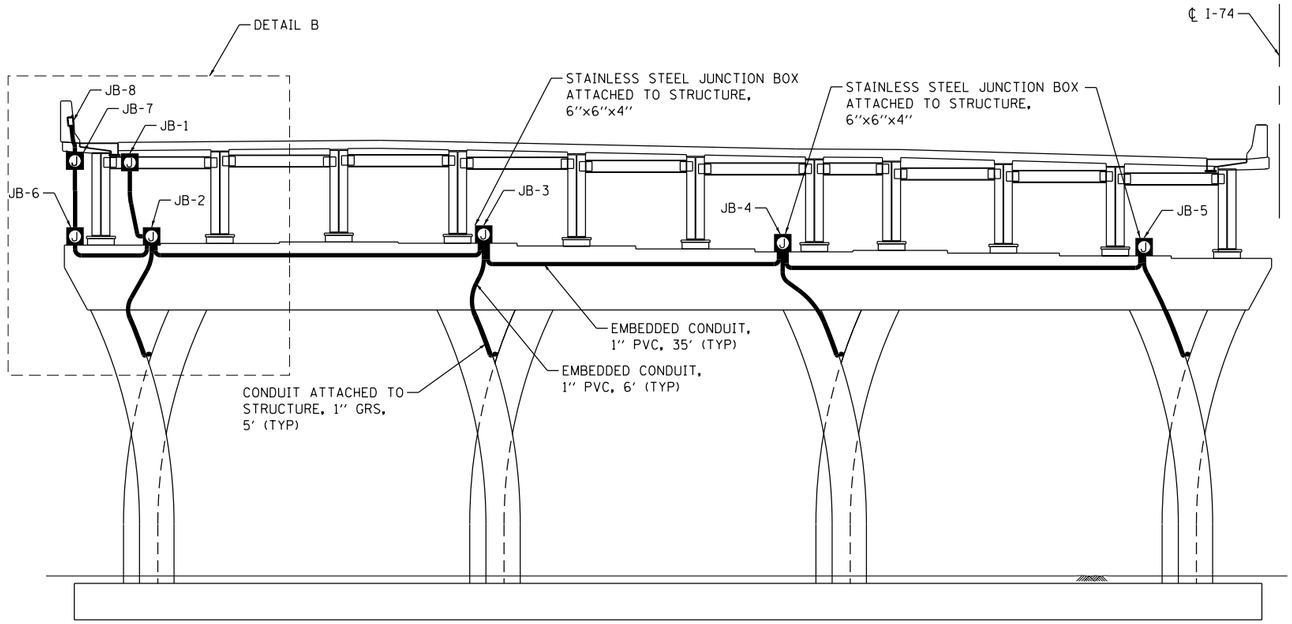
NO SCALE



DETAIL B

NO SCALE





PIER 1 (WESTBOUND) PLAN & ELEVATION DETAIL FOR AESTHETIC LIGHTING CONDUIT ROUTING

NO SCALE - LOOKING SOUTH

NOTE:

1. PIER 1 EASTBOUND IS SIMILIAR EXCEPT MIRRORED ABOUT I-74 CENTERLINE.

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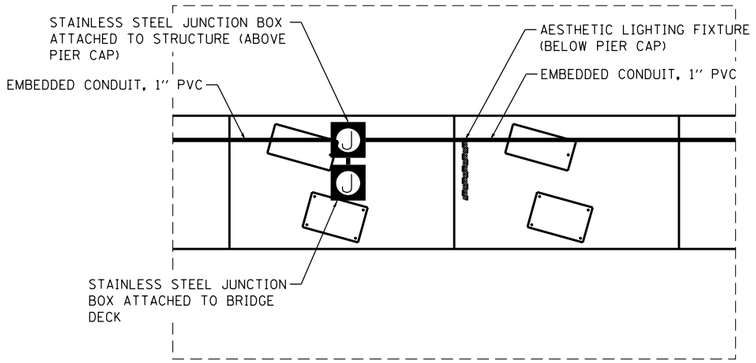
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AESTHETIC CONDUIT ROUTING DETAILS
PIER 1

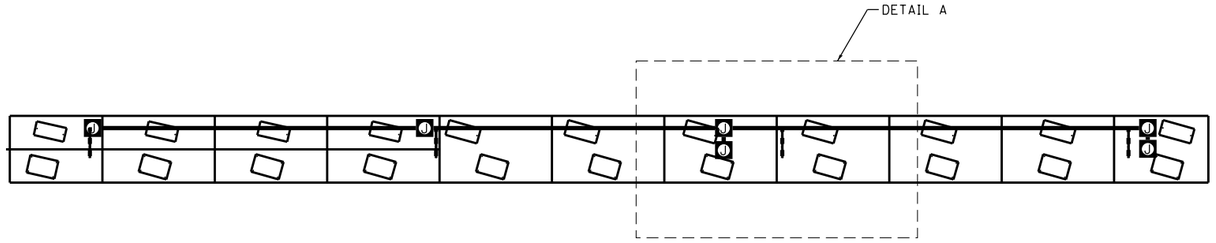
SCALE: NO SCALE | SHEET NO. 21 OF 29 SHEETS | STA. | TO STA.

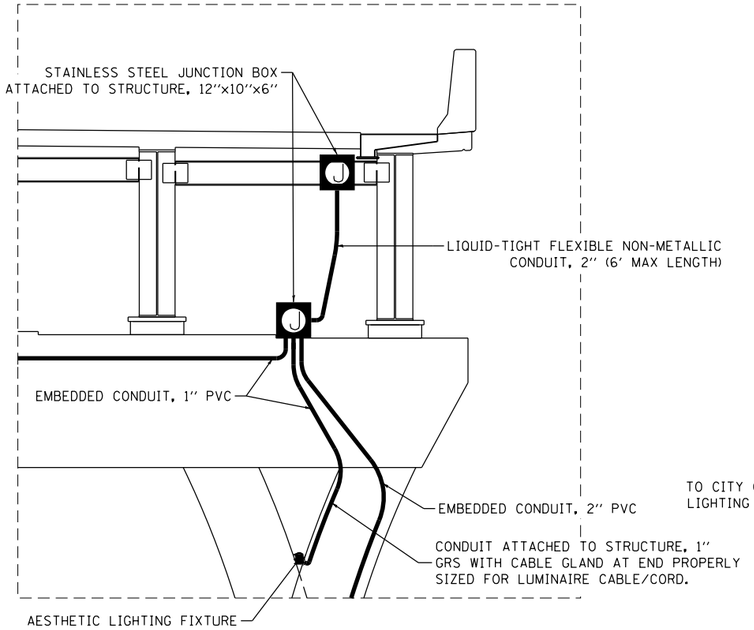
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	517
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



DETAIL A

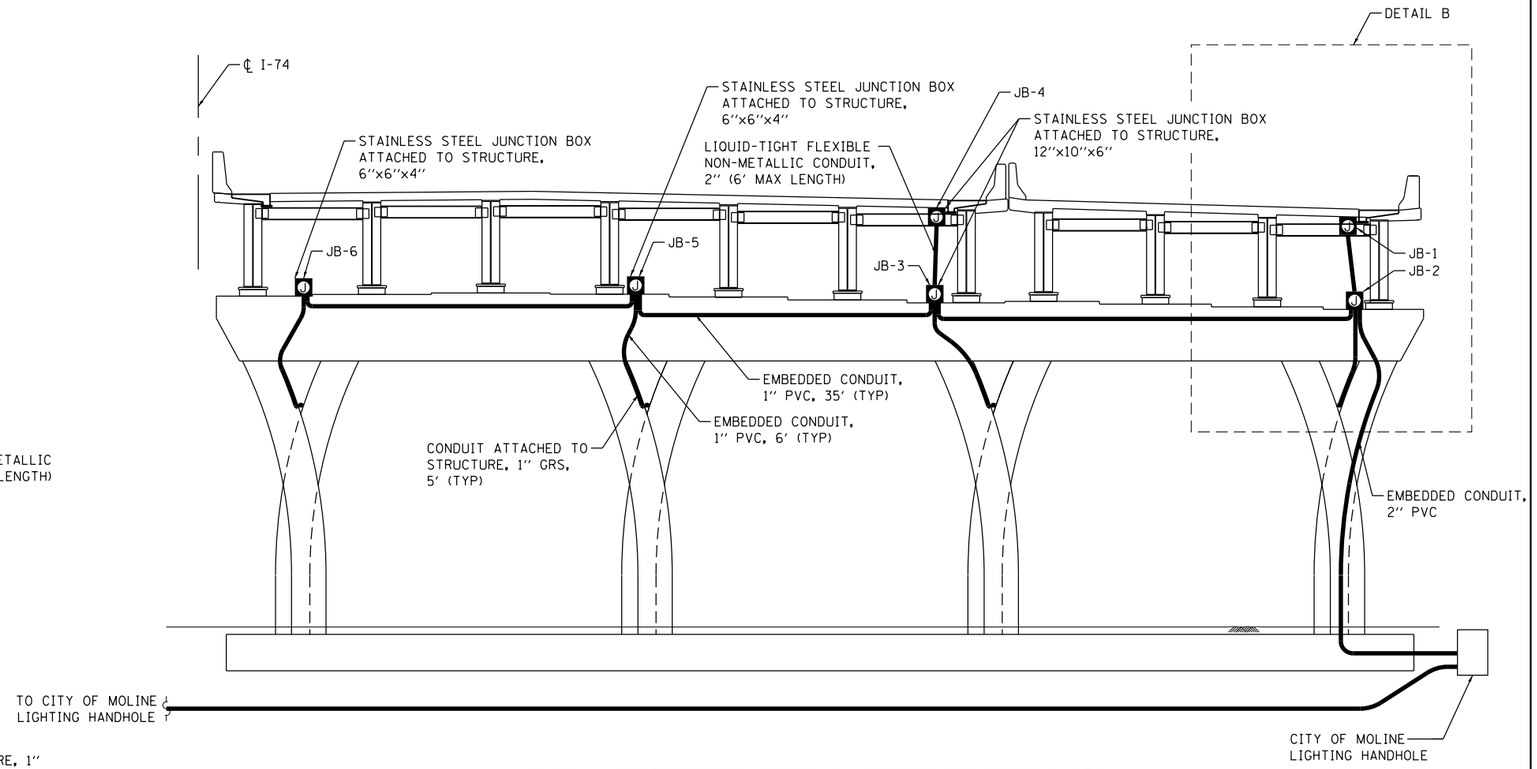
NO SCALE





DETAIL B

NO SCALE



PIER 2 WESTBOUND PLAN & ELEVATION DETAIL FOR AESTHETIC LIGHTING CONDUIT ROUTING

NO SCALE - LOOKING NORTH

NOTE:

1. PIER 2 EASTBOUND IS SIMILIAR EXCEPT MIRRORED ABOUT I-74 CENTERLINE AND WITH ONE ADDITIONAL COLUMN.

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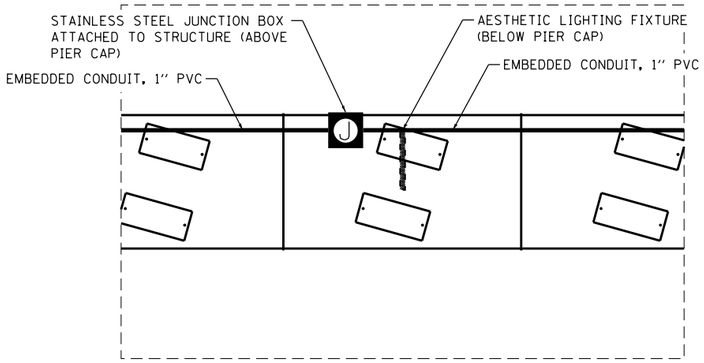
		DRAWN - JLW	REVISED -
	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AESTHETIC CONDUIT ROUTING DETAILS
PIER 2

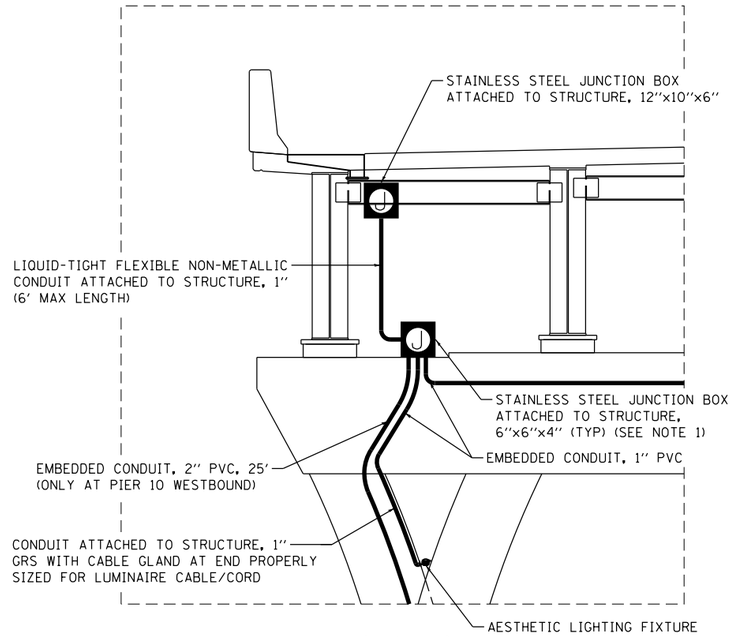
SCALE: NO SCALE | SHEET NO. 22 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	518
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



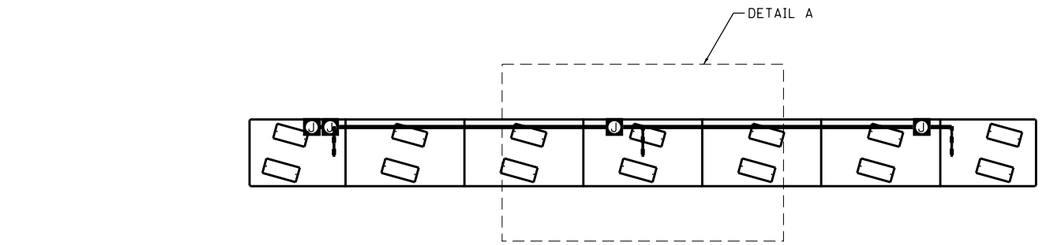
DETAIL A

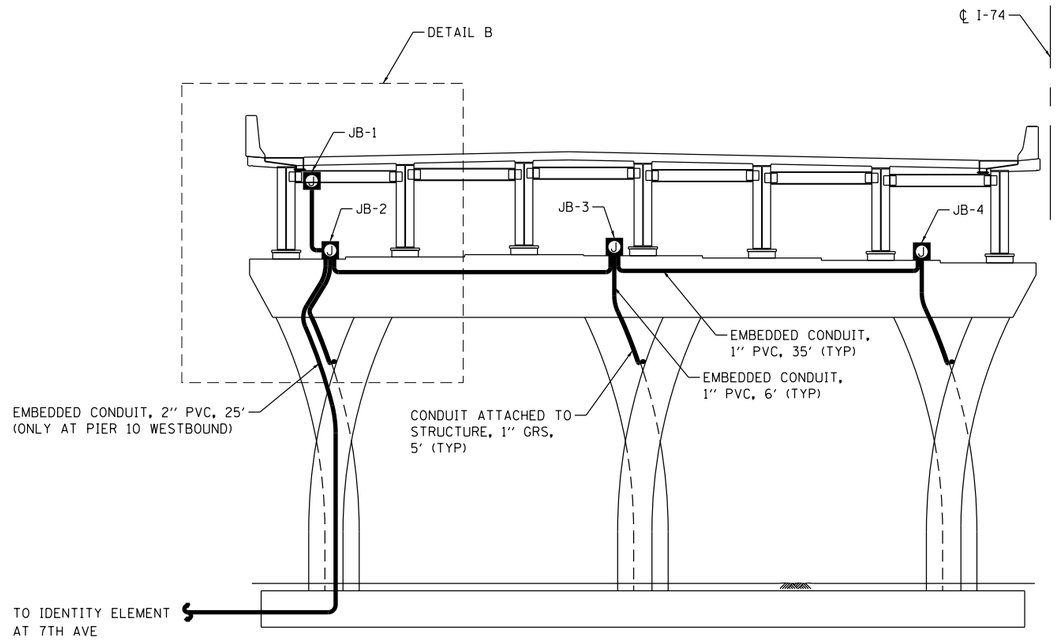
NO SCALE



DETAIL B

NO SCALE





PIERS 3–10 (WESTBOUND) PLAN & ELEVATION DETAIL FOR AESTHETIC LIGHTING CONDUIT ROUTING

NO SCALE - LOOKING SOUTH

NOTES:

1. JUNCTION BOX SHALL BE 12"x10"x6" AT PIER 10 WESTBOUND.

2. DETAILS ABOVE ARE SIMILIAR FOR EASTBOUND PIERS 3-10 EXCEPT MIRRORED ABOUT I-74 CENTERLINE.

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	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

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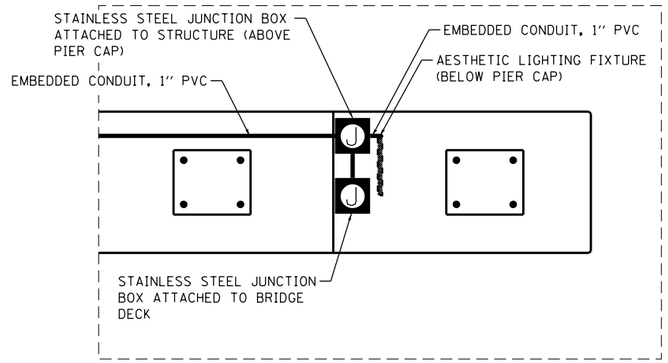
DEPARTMENT OF TRANSPORTATION

AESTHETIC CONDUIT ROUTING DETAILS
PIERS 3–10

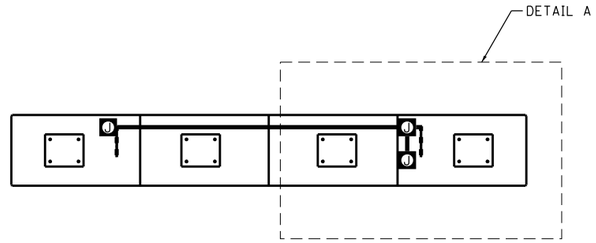
SCALE: NO SCALE | SHEET NO. 23 OF 29 SHEETS | STA. | TO STA.

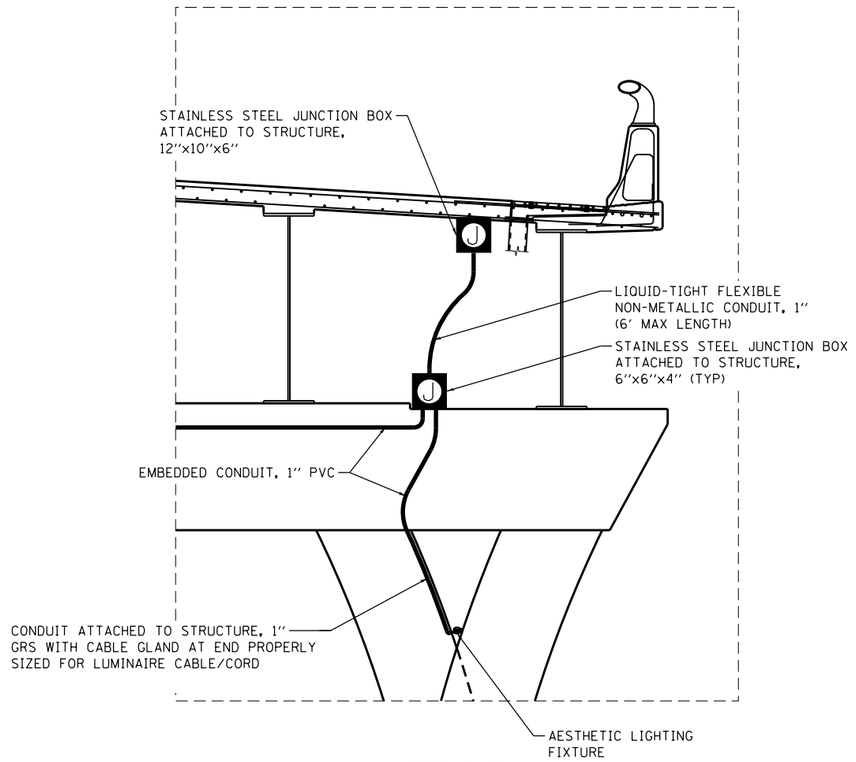
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	519
		CONTRACT NO. 64C08		
		ILLINOIS	FED. AID PROJECT	



DETAIL A

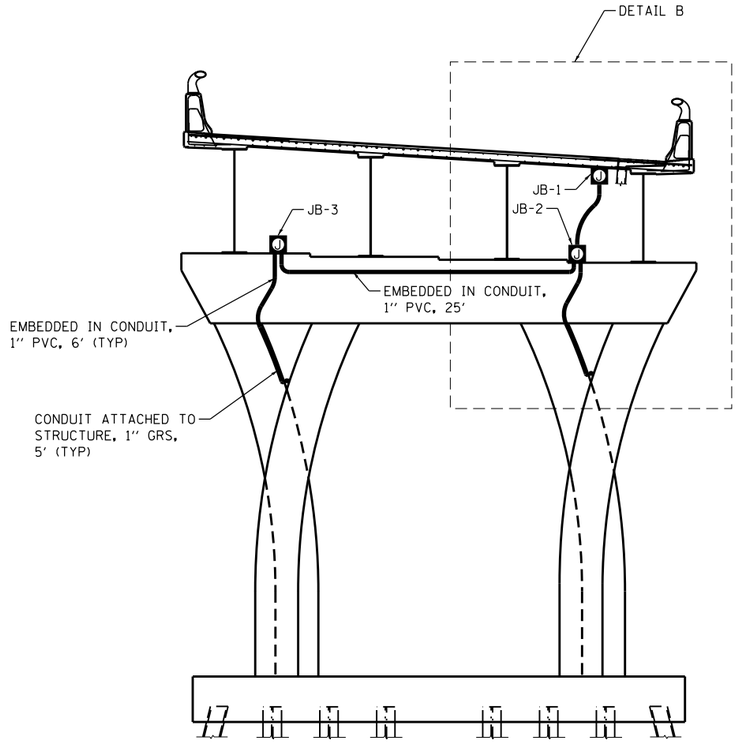
NO SCALE





DETAIL B

NO SCALE



RAMP PLAN & ELEVATION DETAIL FOR AESTHETIC LIGHTING CONDUIT ROUTING

NO SCALE
LOOKING SOUTH FOR RAMP 6TH-C
LOOKING NORTH FOR RAMP 6TH-D

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		DRAWN - JLW	REVISED -
	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

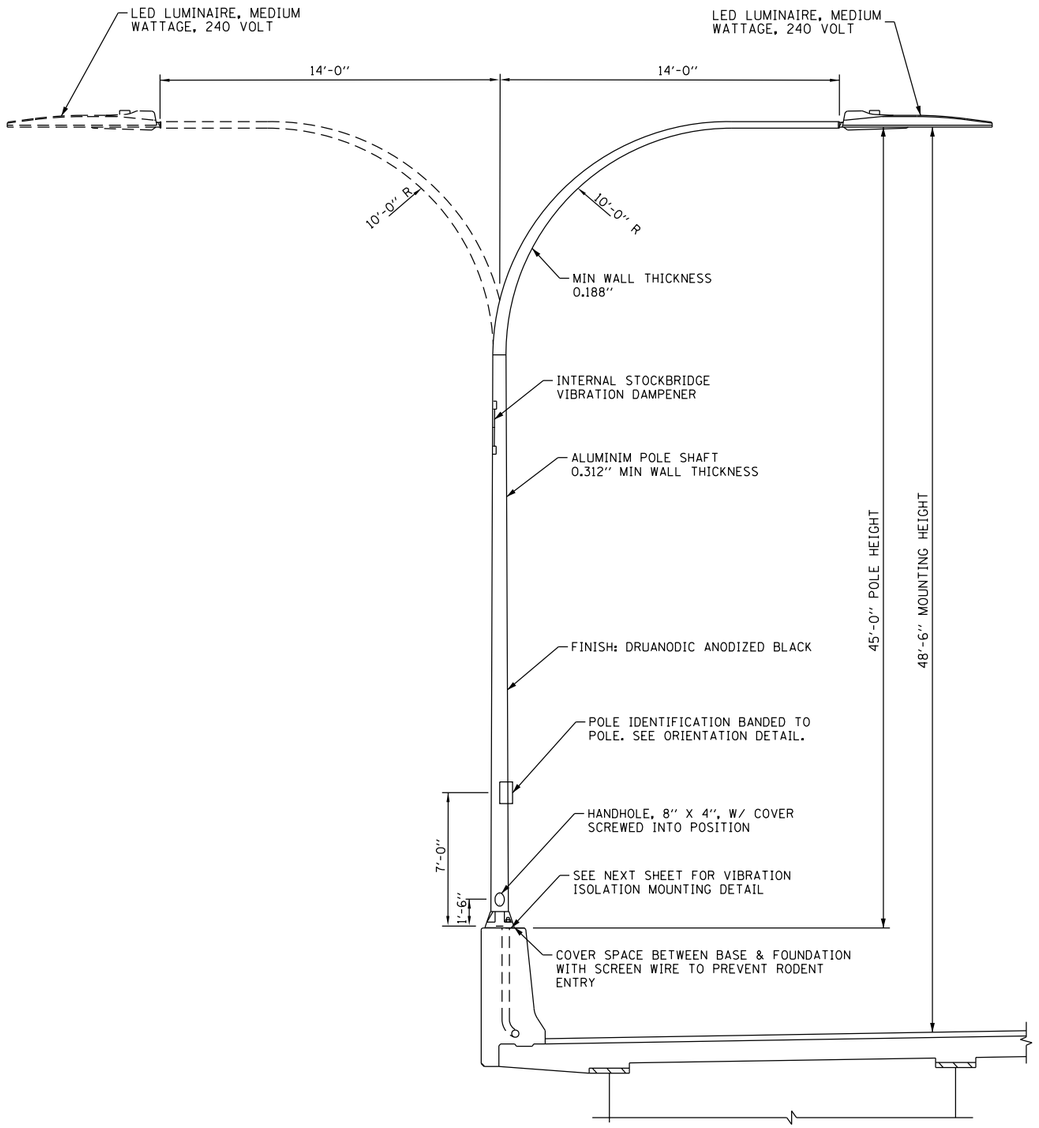
LAYOUT
DRAWN
REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

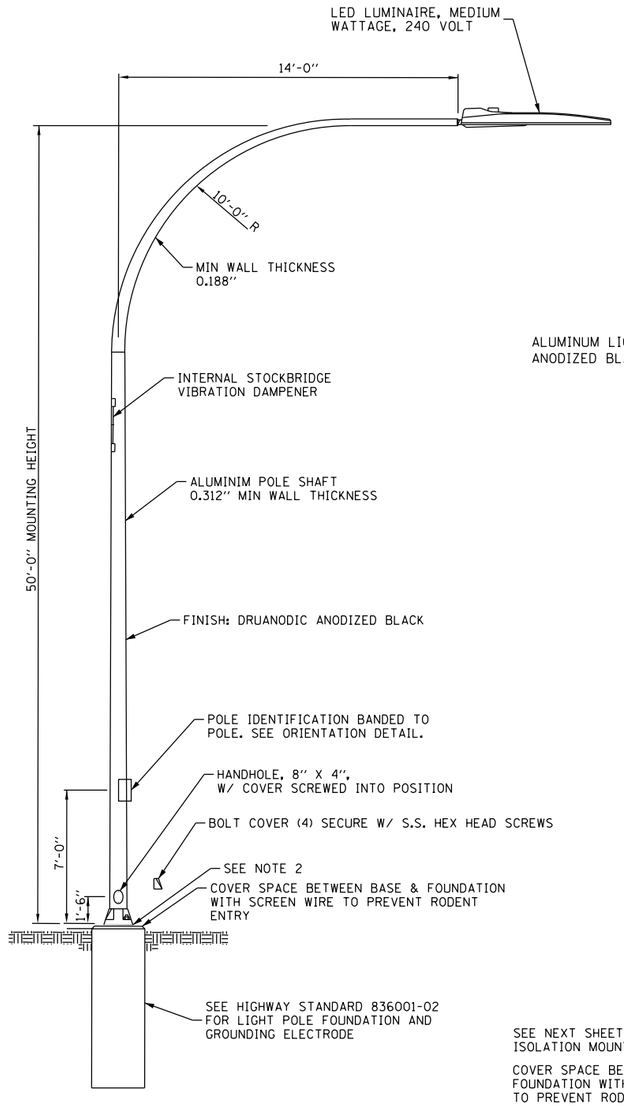
AESTHETIC CONDUIT ROUTING DETAILS
RAMPS

SCALE: NO SCALE | SHEET NO. 24 OF 29 SHEETS | STA. | TO STA.

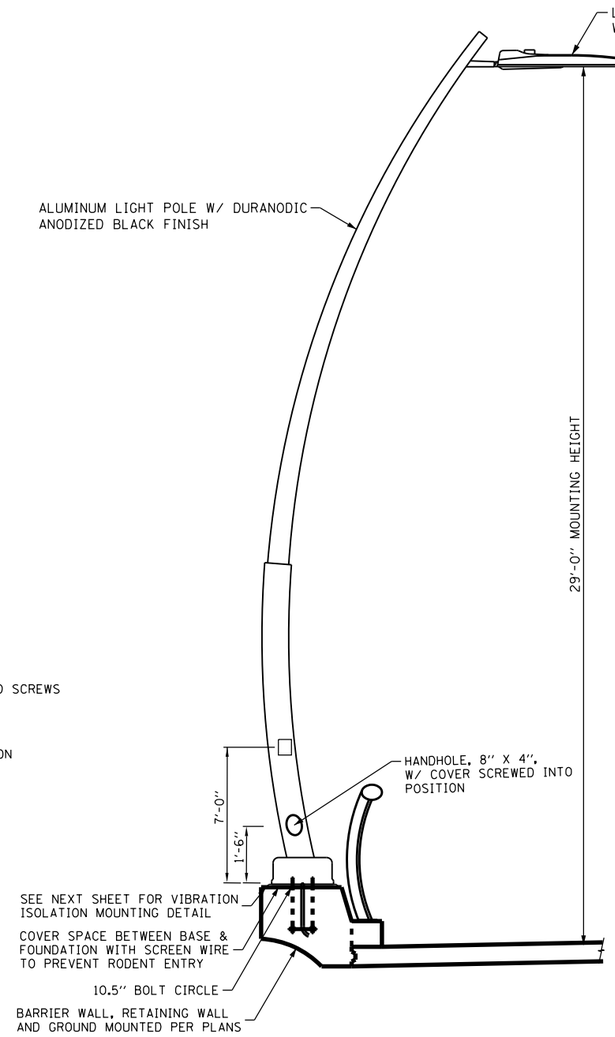
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	520
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		



TYPE I – TWIN MOUNT DAVIT ARM
TYPE II – SINGLE DAVIT ARM
DAVIT POLE AT BRIDGE BARRIER OR RETAINING WALL



TYPE III DAVIT POLE
STATE RAMP POLE



TYPE IV DAVIT POLE
RAMP LIGHTING ALONG BIKE PATH

NOTES:

1. SEE STANDARD 720001 FOR POLE IDENTIFICATION BANDING TO POLE.
2. PROVIDE BREAKAWAY DEVICES WHERE REQUIRED AS NOTED ON THE PLANS.
3. ALL POLES AND LUMINAIRES ARE FURNISHED BY OTHERS UNDER THE SUPPLY CONTRACTS. CONTRACTOR SHALL COORDINATE DELIVERY WITH SUPPLIERS AND INSTALL THE EQUIPMENT UNDER THIS CONTRACT.

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LAYOUT | DRAWN | REVIEWED

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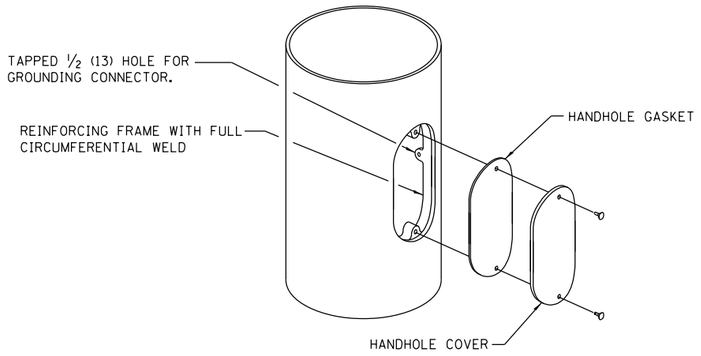
		DRAWN - JLW	REVISED -
	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

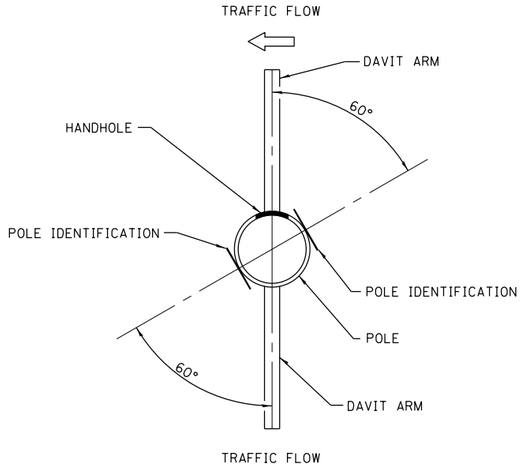
LIGHTING DETAILS
POLE DETAILS

SCALE: NO SCALE | SHEET NO. 25 OF 29 SHEETS | STA. | TO STA.

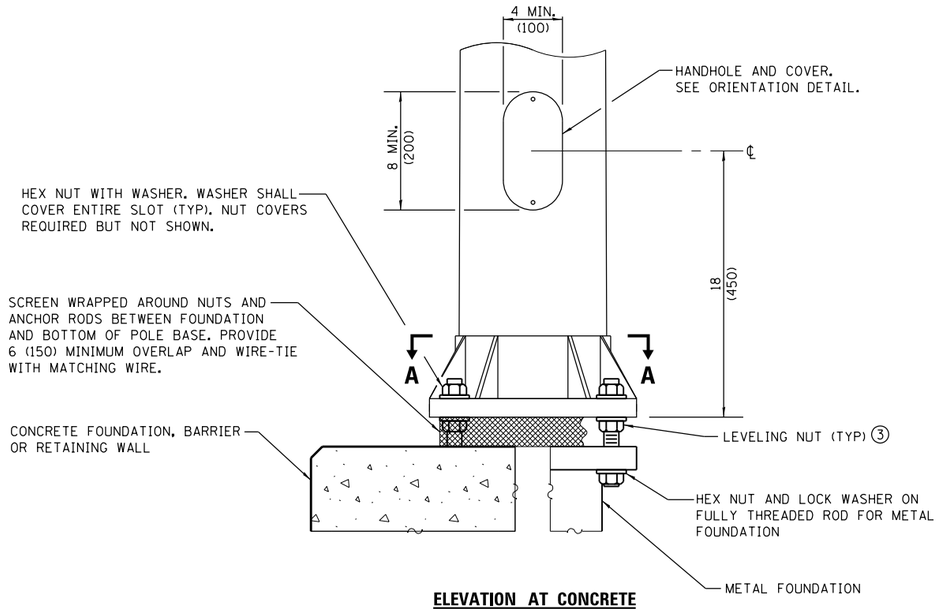
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	521
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		



HANDHOLE DETAIL

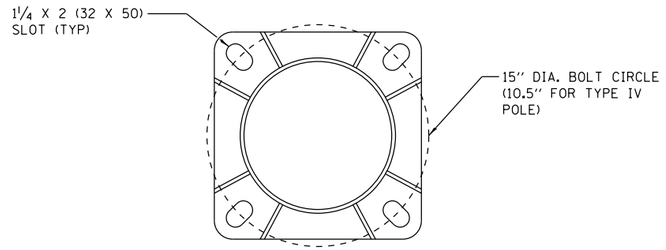


POLE ON MEDIAN BARRIER WALL



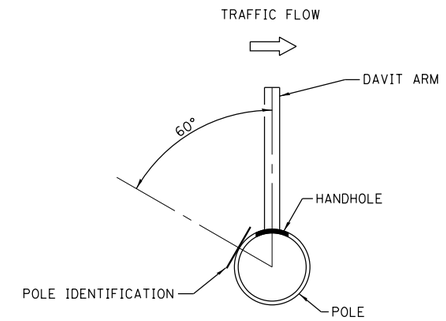
ELEVATION AT CONCRETE FOUNDATION, METAL FOUNDATION OR RETAINING WALL

③ OMIT LEVELING NUTS WHEN BREAKAWAY DEVICES ARE REQUIRED.

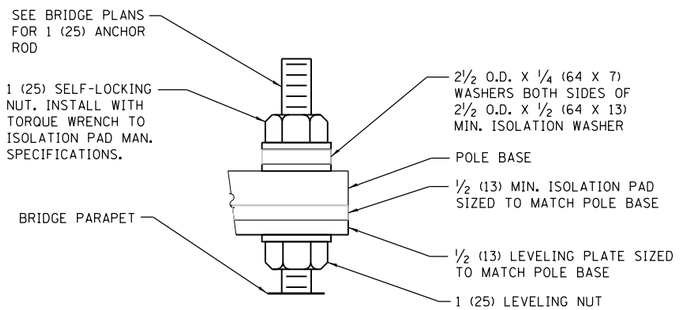


SECTION A–A
(BOLTS NOT SHOWN)

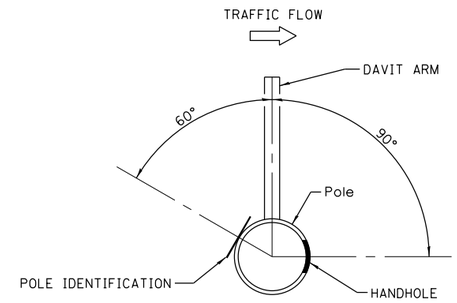
POLE BASE DETAIL



POLE ON BARRIER WALL OR PARAPET

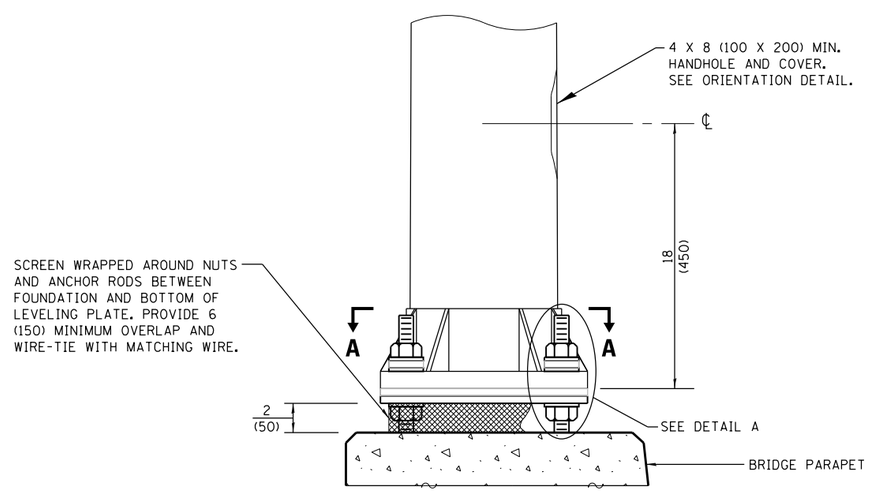


DETAIL A



POLE ON GROUND MOUNTED FOUNDATION

HANDHOLE /IDENTIFICATION ORIENTATION DETAIL



ELEVATION AT BRIDGE PARAPET

POLE BASE DETAILS

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205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10064

FILE NAME = D2CONAB-AB-sht-light400.dgn	USER NAME =	DESIGNED - GHT	REVISED -
		DRAWN - JLW	REVISED -
	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

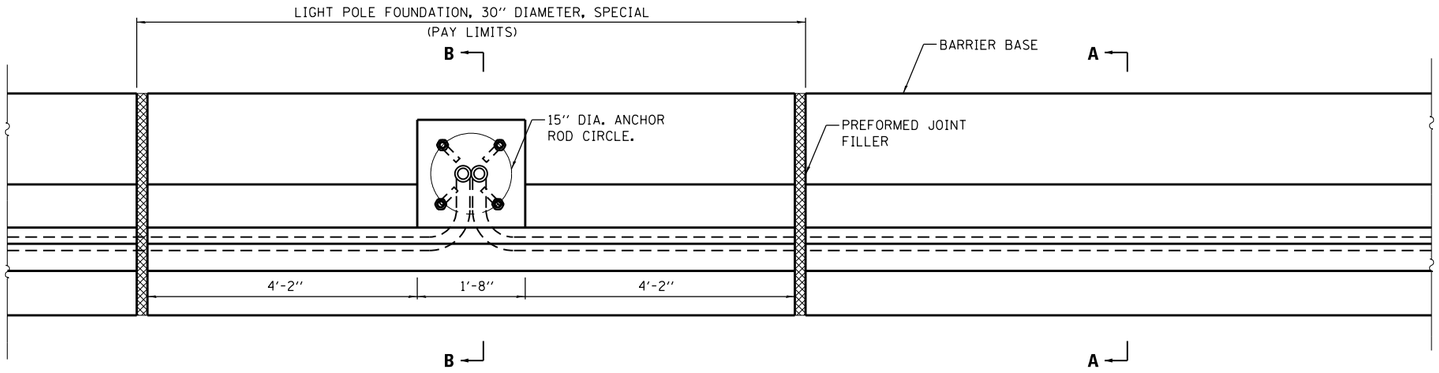
LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

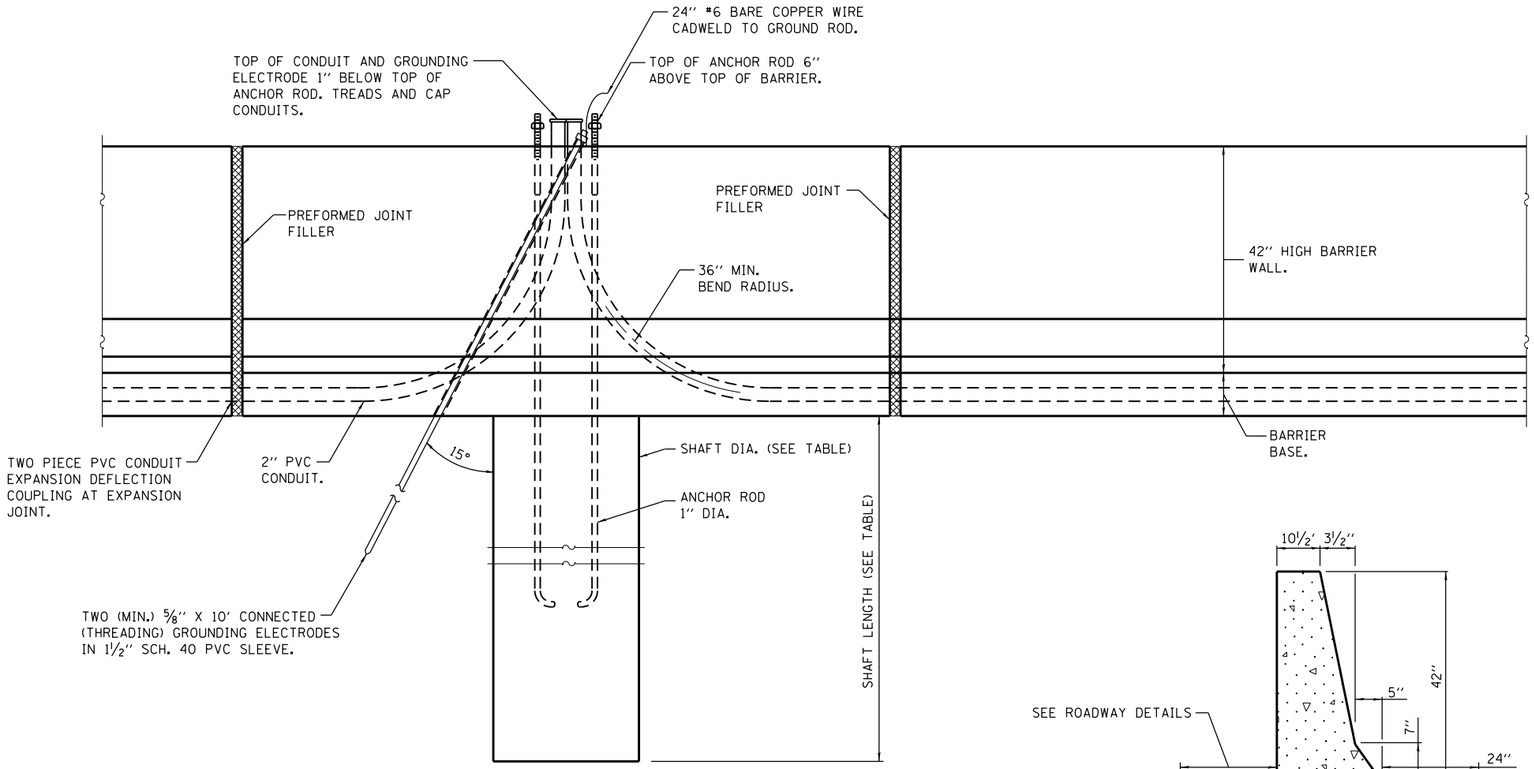
LIGHTING DETAILS
POLE DETAILS

SCALE: NO SCALE | SHEET NO. 26 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	522
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



PLAN



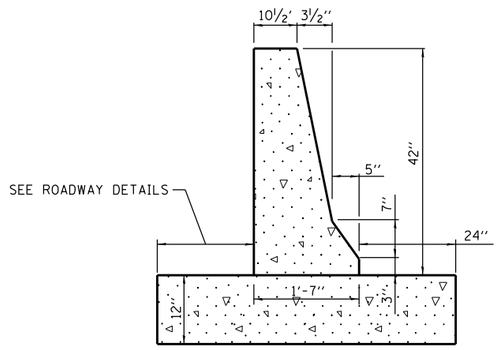
ELEVATION
LIGHT POLE FOUNDATION

FOUNDATION TABLE				
LIGHT POLE MOUNTING HEIGHT	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH (1)	ANCHOR ROD CIRCLE DIA.
46'-50' (14.0 m - 15.2 m)	30 (762)	9'-0'' (2.74 m)	8'-0'' (2.44 m)	15 (381)

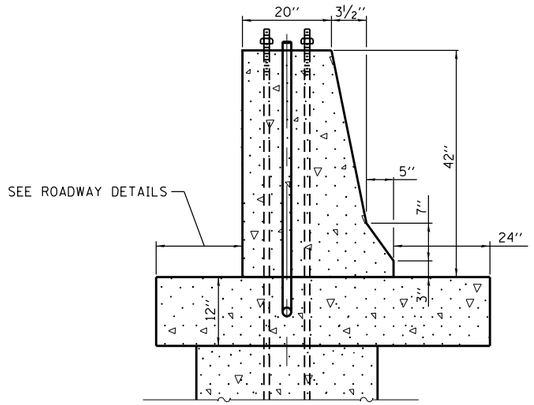
(1) LENGTH DOES NOT INCLUDE 4 (100) HOOK.

NOTES:

1. SEE STANDARD 637006 AND ROADWAY PLAN DETAILS FOR BARRIER WALL DETAILS.
2. REINFORCEMENT FOR BARRIER AND BARRIER BASE SHALL BE INCLUDED PER STANDARD 637006 AND ROADWAY PLAN DETAILS.
3. PROVIDE 2(50) MIN. SEPARATION BETWEEN ALL CONDUITS.
4. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



SECTION A–A



SECTION B–B

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Chicago, Illinois 60601
312-565-0450 Job No. 10064

FILE NAME = D2CONAB-AB-sht-light400.dgn	USER NAME =	DESIGNED - GHT	REVISED -
		DRAWN - JLW	REVISED -
	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

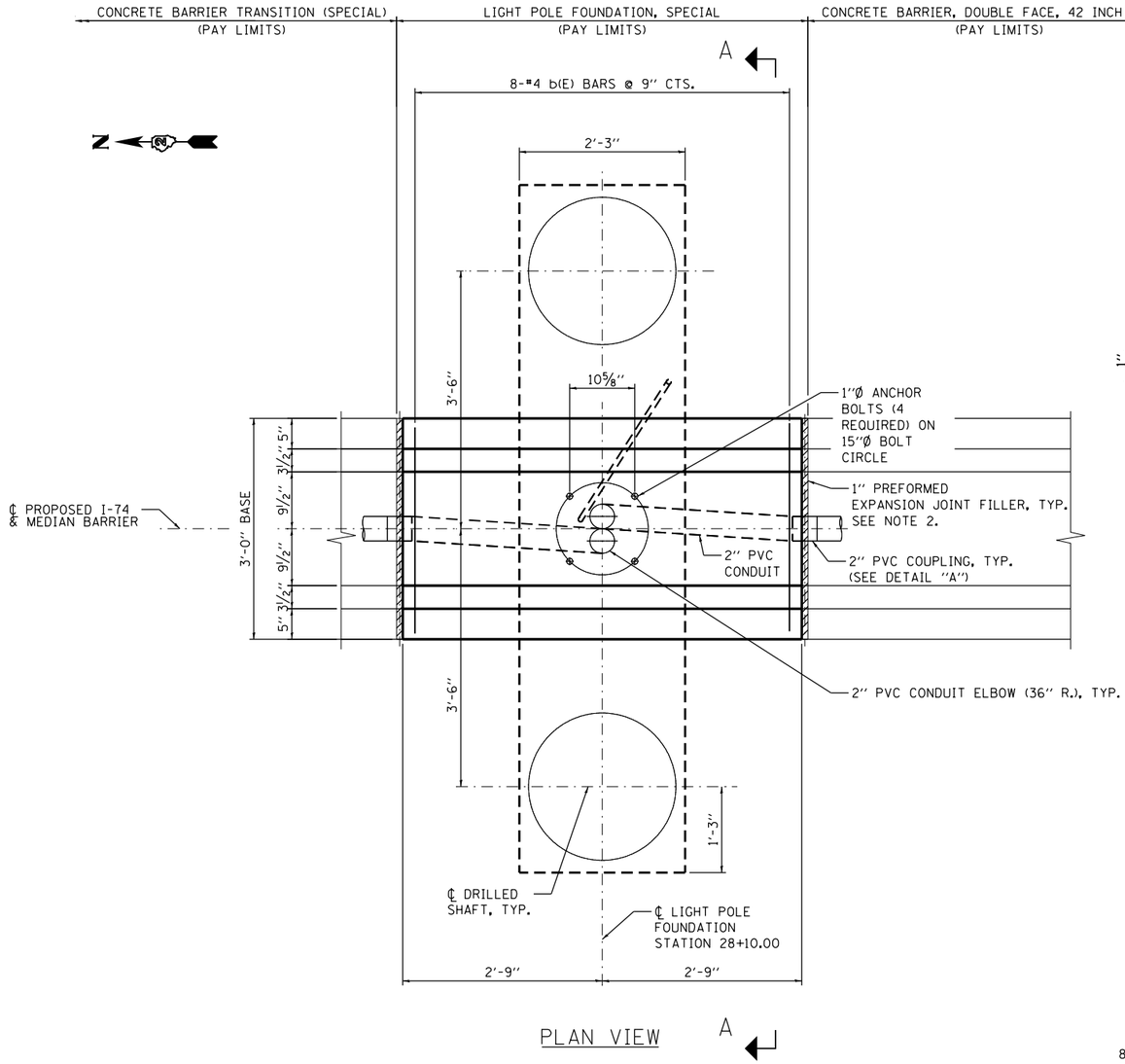
LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

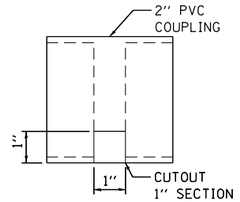
LIGHTING DETAILS
FOUNDATION DETAILS

SCALE: NO SCALE | SHEET NO. 27 OF 29 SHEETS | STA. | TO STA.

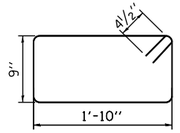
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	523
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



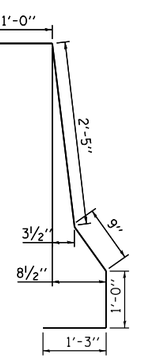
PLAN VIEW



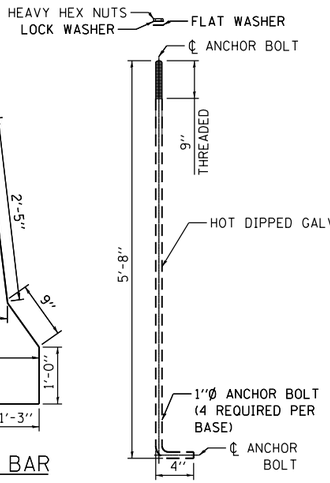
DETAIL "A"
NOT TO SCALE



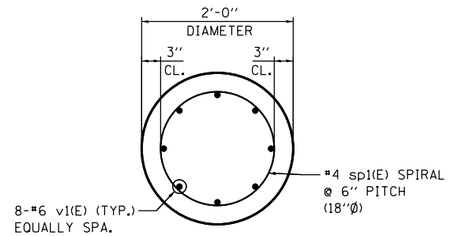
s(E) BARS



d1(E) BAR



ANCHOR BOLT DETAIL



SECTION B-B

BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	10	#7	9'-0"	——
a1(E)	12	#4	5'-2"	——
b(E)	8	#4	2'-8"	——
d1(E)	12	#4	6'-5"	
s(E)	10	#4	5'-11"	
sp1(E)	2	#4	**	
v1(E)	16	#6	8'-7"	——

PAY ITEM	UNIT	QUANTITY
*REINFORCEMENT BARS, EPOXY COATED	POUND	680
LIGHT POLE FOUNDATION, SPECIAL	EACH	1

* COST OF REINFORCEMENT BARS, EPOXY COATED INCLUDED IN LIGHT POLE FOUNDATION, SPECIAL PAY ITEM. BILL OF MATERIALS PER LOCATION.

** SEE SECTION A-A ON SHEET LIGHT POLE FOUNDATION SPECIAL, 2 OF 2.

NOTES:

1. SEE SHEET LIGHT POLE FOUNDATION SPECIAL, 2 OF 2 FOR ELEVATION AND SECTION A-A
2. COST OF PJF INCLUDED IN LIGHT POLE FOUNDATION, SPECIAL.

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LAYOUT | DRAWN | REVIEWED

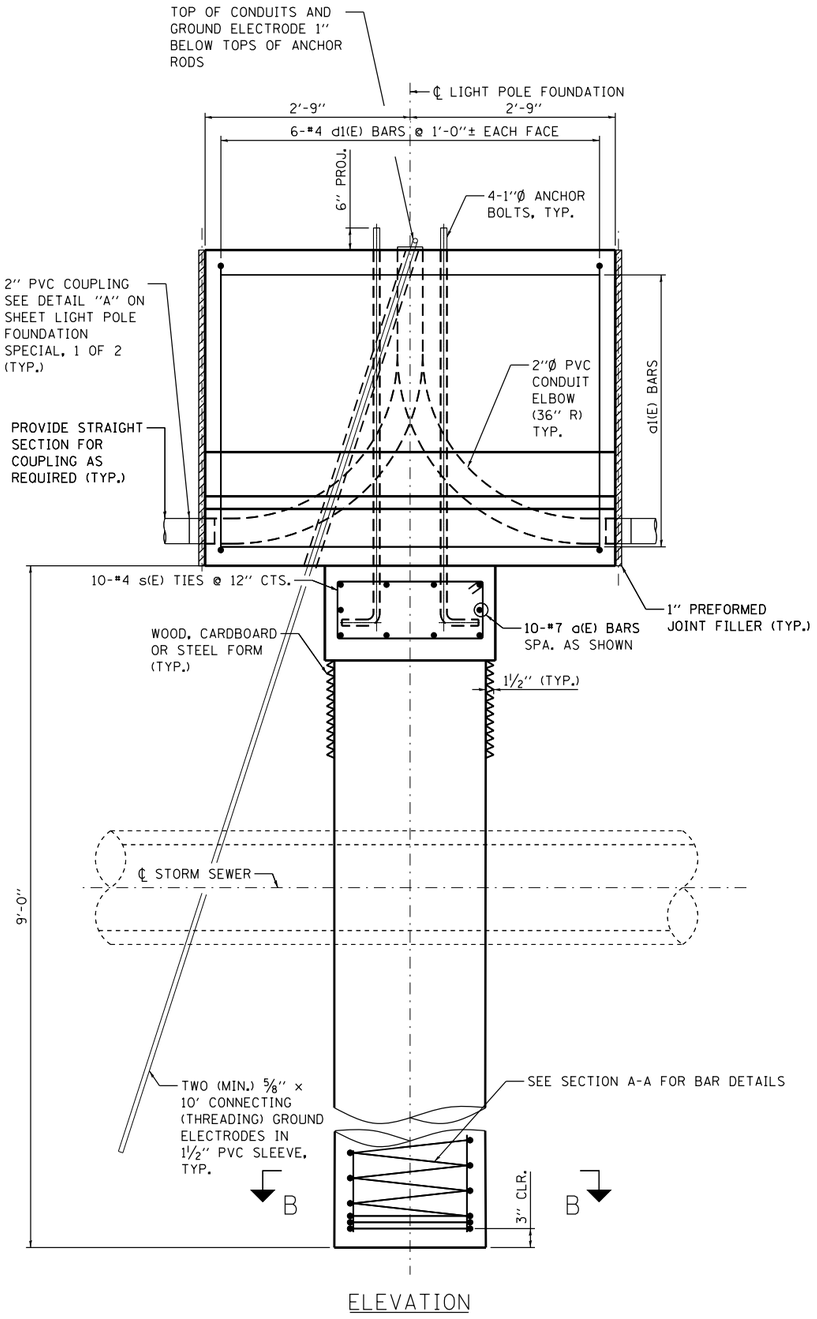
FILE NAME = D2CONAB-AB-sht-light400.dgn	USER NAME =	DESIGNED - GHT	REVISED -
		DRAWN - JLW	REVISED -
	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

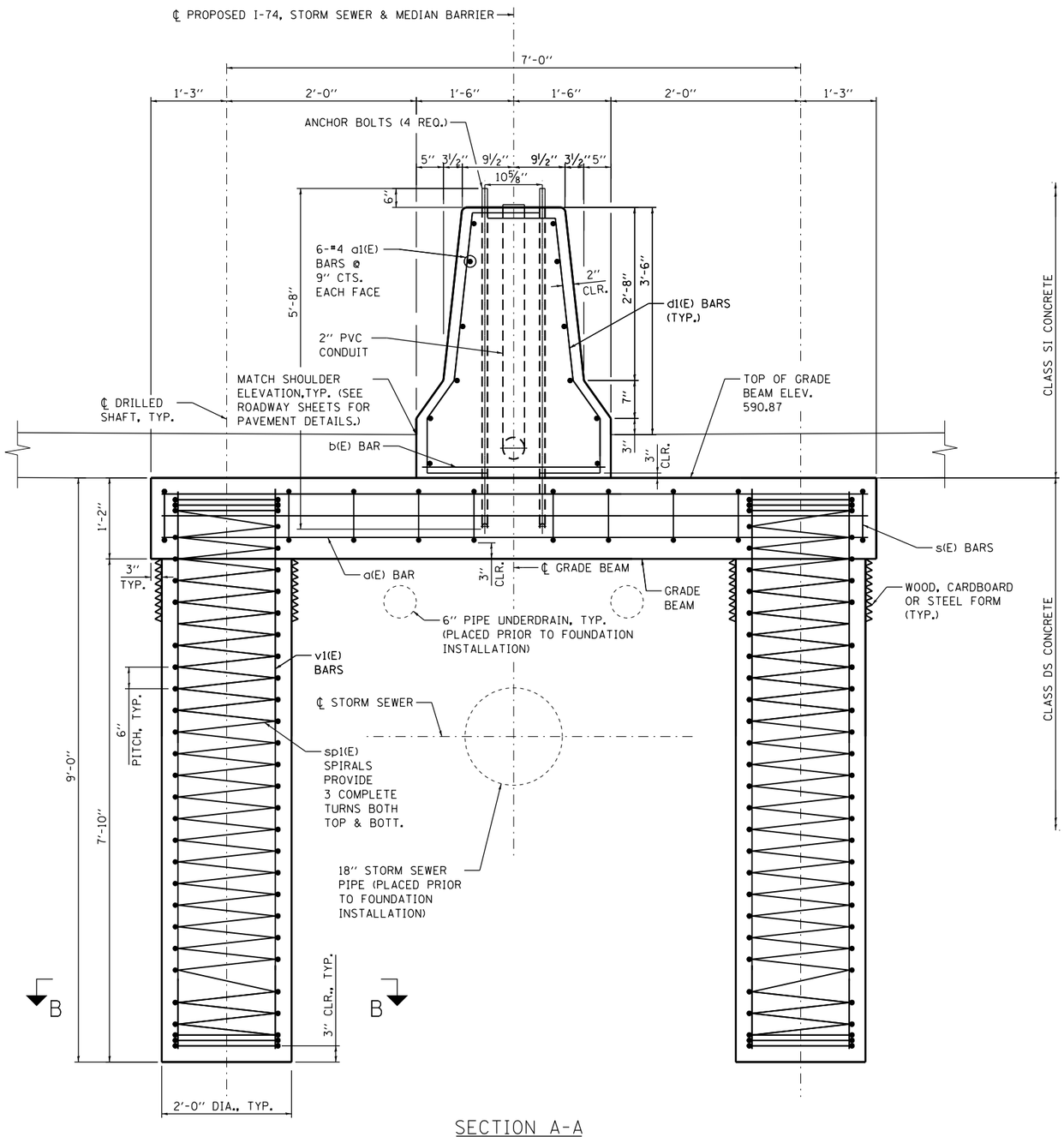
LIGHTING DETAILS
LIGHT POLE FOUNDATION, SPECIAL
1 OF 2

SCALE: NO SCALE | SHEET NO. 28 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	524
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



ELEVATION



SECTION A-A

NOTE:

SEE SHEET LIGHT POLE FOUNDATION SPECIAL, 1 OF 2 FOR PLAN VIEW, BILL OF MATERIALS, BAR DETAILS AND SECTION B-B.

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LAYOUT | DRAWN | REVIEWED

FILE NAME = D2CONAB-AB-sht-light400.dgn	USER NAME =	DESIGNED - GHT	REVISED -
		DRAWN - JLW	REVISED -
	PLOT SCALE = NO SCALE	CHECKED - GRR	REVISED -
	PLOT DATE = 1/23/2017	DATE - 2/5/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHTING DETAILS
LIGHT POLE FOUNDATION, SPECIAL
2 OF 2

SCALE: NO SCALE | SHEET NO. 29 OF 29 SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	525
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

HANSON

SIGNING PLANS BILL OF MATERIALS

PAY ITEM	DESCRIPTION	UNIT	TOTAL QUANTITY
50800205	REINF BARS, EPOXY CTD	POUND	320
72000100	SIGN PANEL - TYPE 1	SQ FT	652
72000200	SIGN PANEL - TYPE 2	SQ FT	260
72000300	SIGN PANEL - TYPE 3	SQ FT	1,877
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	58
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	10
72400310	REMOVE SIGN PANEL TYPE 1	SQ FT	33
72400320	REMOVE SIGN PANEL TYPE 2	SQ FT	58
72400330	REMOVE SIGN PANEL TYPE 3	SQ FT	168
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2
72600100	MILE POST MARKER ASSEMBLY	EACH	2
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	1,275
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	606
73000100	WOOD SIGN SUPPORT	FOOT	176
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	10
73400100	CONCRETE FOUNDATIONS	CU YD	2.8
73600100	REMOVE OVERHEAD SIGN STRUCTURE - SPAN	EACH	4
73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	4
73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	4
73700300	REMOVE CONCRETE FOUNDATION - OVERHEAD	EACH	8
X7260100	MILE POST MARKER ASSEMBLY (SPECIAL)	EACH	2
#2000319	PARAPET MOUNTED SIGN SUPPORT ASSEMBLY	EACH	5

NOTE:

THE SIZE, DIMENSIONS AND QUANTITIES OF CONCRETE FOUNDATIONS AND POSTS FOR THE SIGNS ON STEEL BREAKAWAY POSTS IS FOR BIDDING ESTIMATES ONLY. THE EXACT DESIGN SHALL BE DETERMINED AFTER THE FINAL GRADING HAS BEEN COMPLETED. ONCE FINAL GRADING HAS BEEN COMPLETED, THE CONTRACTOR SHALL CONTACT KRISTIE NYDEREK (815) 284-5469 OR KURT GLAZIER (815) 284-5478. THE STATE WILL HAVE 3 WEEKS TO PROVIDE THE SIGN SUPPORT DESIGNS TO THE CONTRACTOR.

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

SGN-01

FILE NAME = D2CONAB-HPS-sht-sign001.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
BILL OF MATERIALS

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	526
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

SIGN REMOVAL SCHEDULE

SIGN PLAN SHEET NUMBER	DESCRIPTION	SIGN CODE	ALIGNMENT NAME	STATION	OFFSET	PANEL WIDTH	PANEL HEIGHT	SIGN AREA	NO. OF POSTS / FOUNDATIONS	MOUNTING TYPE TS - BS - LP - WP - SM - PM - MP	72400100 REMOVE SIGN PANEL ASSEMBLY - TYPE A	72400200 REMOVE SIGN PANEL ASSEMBLY - TYPE B	72400310 REMOVE SIGN PANEL TYPE 1	72400320 REMOVE SIGN PANEL TYPE 2	72400330 REMOVE SIGN PANEL TYPE 3	73600100 REMOVE OVERHEAD SIGN STRUCTURE - SPAN	73700100 REMOVE GROUND MOUNTED SIGN SUPPORT	73700200 REMOVE CONCRETE FOUNDATION - GROUND MOUNT	73700300 REMOVE CONCRETE FOUNDATION - OVERHEAD
						FEET	FEET	SQ FT			EACH	EACH	SQ FT	SQ FT	SQ FT	EACH	EACH	EACH	EACH
SGN-10	EXIT 2, 7TH AVE, NEXT RIGHT	EB-74-SP-002-R	I-74 (EXISTING)	255+05	OVERHEAD	11.5	7.5	86	0	SP	--	--	--	--	--	1	--	--	0
SGN-10	I WIRELESS CENTER, JOHN DEERE PAVILLION, RIVERFRONT, EXITS 1 & 2	EB-74-SP-003-R	I-74 (EXISTING)	255+05	OVERHEAD	19.5	6.5	127	0		--	--	--	--	--		--	--	--
SGN-10	EXIT 1, RIVER DR, RAMP 20 MPH	EB--74-SP-004-R	I-74 (EXISTING)	255+05	OVERHEAD	15.5	11	171	0		--	--	--	--	--		--	--	--
SGN-10	SPEED LIMT 65	EB-74-LP-005-R	I-74 (EXISTING)	260+21	RIGHT	4	5	20	0	LP	--	--	--	20.00	--	--	--	--	--
SGN-10	MINIMUM 45	EB-74-LP-006-R	I-74 (EXISTING)	260+21	RIGHT	4	3	12	0	LP	--	--	--	12.00	--	--	--	--	--
SGN-10	GRAND ARMY OF THE REPUBLIC HIGHWAY	EB-R3S-LP-007-R	R3S	162+67	LEFT	4	2.5	10	0	LP	--	--	--	10.00	--	--	--	--	--
SGN-10	ARROW	EB-R3S-WP-008-R	R3S	162+99	RIGHT	4	2.5	10	1	WP	--	1	--	--	--	--	--	--	--
SGN-10	20 MPH	EB-R3S-WP-009-R	R3S	162+99	RIGHT	2	2	4					--	--	--	--	--	--	--
SGN-11	DO NOT ENTER	SB-R3S-TS-018-R	R3S	173+97	LEFT	2.5	2.5	6	1	TS	1	--	--	--	--	--	--	--	--
SGN-11	MOLINE (SPECIAL)	SB-R3S-TS-019-R	R3S	173+01	RIGHT	4	4	16	1	TS	--	1	--	--	--	--	--	--	--
	MOLINE (SPECIAL)					3.67	1.5	6					--	--	--	--	--	--	--
SGN-11	MOLINE (SPECIAL)	SB-R3S-TS-020-R	R3S	172+98	LEFT	4	4	16	1	TS	--	1	--	--	--	--	--	--	--
	MOLINE (SPECIAL)					3.67	1.5	6					--	--	--	--	--	--	--
SGN-11	ARROW	SB-R3S-TS-021-R	R3S	171+56	RIGHT	4	2	8	1	TS	1	--	--	--	--	--	--	--	--
SGN-11	FORM SINGLE LINE	NB-R3N-TS-201-R	R3N	369+35	RIGHT	4	4	16	1	TS	--	1	--	--	--	--	--	--	--
SGN-12	MILE MARKER 1	WB-74-LP-001-R	I-74	48+00	LEFT	1	2	2	--	LP	--	--	2.00	--	--	--	--	--	--
SGN-12	ROCK ISLAND / ARSENAL	SB-R7S-LP-022-R	R7S	69+39	RIGHT	2	2	4	--	LP	--	--	4.00	--	--	--	--	--	--
	GREEN BACKGROUND ARROW	SB-R7S-LP-023-R				1.75	1.25	2			--	--	2.19	--	--	--	--	--	--
	TOURIST INFO CENTER	SB-R7S-LP-024-R				2	2	4			--	--	4.00	--	--	--	--	--	--
	BLUE BACKGROUND ARROW	SB-R7S-LP-025-R				1.75	1.25	2			--	--	2.19	--	--	--	--	--	--
SGN-12	ILLINOIS WELCOME	EB-74-SP-026-R	R7S	42+59	OVERHEAD	14	7	98	0	SP	--	--	--	--	--	1	--	--	0
	EXIT 3 AVE OF THE CITIES	EB-74-SP-027-R				13.5	10	135			--	--	--	--	--		--	--	
	EXIT 2 7TH AVE	EB-74-SP-028-R				13	8	104			--	--	--	--	--		--	--	
SGN-12	ADVANCE TRAFFIC CONTROL	EB-R7S-LP-029-R	R7S	72+00	RIGHT	4	4	16	--	LP	--	--	--	16.00	--	--	--	--	--
SGN-12	JOHN DEERE PAVILLION, MOLINE, ROCK ISL	EB-R7S-WP-030-R	R7S	74+67	LEFT	4	4	16	1	WP	--	1	--	--	--	--	--	--	--
	MOLINE PLACARD	EB-R7S-WP-031-R				3.67	1.5	6					--	--	--	--	--	--	--
SGN-12	I WIRELESS CENTER, MOLINE, ROCK ISL	EB-R7S-WP-032-R	R7S	74+65	RIGHT	4	4	16	1	WP	--	1	--	--	--	--	--	--	--
	MOLINE PLACARD	EB-R7S-WP-033-R				3.67	1.5	6					--	--	--	--	--	--	--
SGN-12	WRONG WAY	EB-R7S-TS-034-R	R7S	74+91	LEFT	3	2	6	1	TS	1	--	--	--	--	--	--	--	--
SGN-12	MERGE	EB-R7N-TS-035-R	R7N	72+76	LEFT	2.5	2.5	6	1	TS	1	--	--	--	--	--	--	--	--
SGN-12	YIELD	EB-R7N-TS-036-R	R7N	75+14	LEFT	-	-	5	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	I-74/US 6 WEST DAVENPORT	EB-3-BS-304-R	RIVER DRIVE	3013+11	RIGHT	14	6	84	2	BS	--	--	--	--	84.00	--	2	2	--
SGN-14	NO LEFT TURN	EB-3-TS-311A-R	RIVER DRIVE	3014+88	LEFT	2.5	2.5	6.25	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	DO NOT ENTER	WB-3-TS-311B-R	RIVER DRIVE	3015+86	LEFT	3	3	9	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311C-R	RIVER DRIVE	3015+91	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311D-R	RIVER DRIVE	3016+00	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311E-R	RIVER DRIVE	3016+09	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
										SUBTOTAL	10	6	14	58	84	2	2	2	0

NOTES:
1. STA & OFFSETS TO CENTER OF SIGN PANEL

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

SGN-02

FILE NAME =	USER NAME = hehm01663	DESIGNED - MTH	REVISED -
D2CONAB-HPS-sht-sign302.dgn		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN SCHEDULES
REMOVALS

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	527
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		

SIGN REMOVAL SCHEDULE

SIGN PLAN SHEET NUMBER	DESCRIPTION	SIGN CODE	ALIGNMENT NAME	STATION	OFFSET	PANEL WIDTH	PANEL HEIGHT	SIGN AREA	NO. OF POSTS / FOUNDATIONS	MOUNTING TYPE TS - BS - LP - WP - SM - PM - MP	72400100 REMOVE SIGN PANEL ASSEMBLY - TYPE A	72400200 REMOVE SIGN PANEL ASSEMBLY - TYPE B	72400310 REMOVE SIGN PANEL TYPE 1	72400320 REMOVE SIGN PANEL TYPE 2	72400330 REMOVE SIGN PANEL TYPE 3	73600100 REMOVE OVERHEAD SIGN STRUCTURE - SPAN	73700100 REMOVE GROUND MOUNTED SIGN SUPPORT	73700200 REMOVE CONCRETE FOUNDATION - GROUND MOUNT	73700300 REMOVE CONCRETE FOUNDATION - OVERHEAD
						FEET	FEET	SQ FT			EACH	EACH	SQ FT	SQ FT	SQ FT	EACH	EACH	EACH	EACH
SGN-14	OBJECT MARKER	WB-3-TS-311F-R	RIVER DRIVE	3016+19	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	DO NOT ENTER	WB-3-TS-311G-R	RIVER DRIVE	3016+24	LEFT	3	3	9	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	DO NOT ENTER	WB-3-TS-311H-R	RIVER DRIVE	3016+27	LEFT	3	3	9	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311I-R	RIVER DRIVE	3016+30	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311J-R	RIVER DRIVE	3016+38	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311K-R	RIVER DRIVE	3016+46	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311L-R	RIVER DRIVE	3012+17	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311M-R	RIVER DRIVE	3012+25	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311N-R	RIVER DRIVE	3012+33	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311O-R	RIVER DRIVE	3012+40	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311P-R	RIVER DRIVE	3012+53	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311Q-R	RIVER DRIVE	3012+64	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	OBJECT MARKER	WB-3-TS-311R-R	RIVER DRIVE	3012+75	LEFT	1.5	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-14	NO RIGHT TURN	WB-3-TS-312A-R	RIVER DRIVE	3017+36	LEFT	2.5	2.5	6.25	1	TS	1	--	--	--	--	--	--	--	--
SGN-15	I-74/US 6 WEST DAVENPORT	WB-3-BS-312-R	RIVER DRIVE	3019+45	LEFT	14	6	84	2	BS	--	--	--	--	84.00	--	2	2	--
SGN-15	NO RIGHT TURN	WB-3-TS-313A-R	RIVER DRIVE	3019+00	LEFT	2.5	2.5	6.25	1	TS	1	--	--	--	--	--	--	--	--
SGN-16	LEFT TURN LANE	WB-4-LP-037-R	4TH AVE	404+14	RIGHT	2	2	4	--	LP	--	--	4.00	--	--	--	--	--	--
SGN-16	NO PARKING	WB-4-LP-038-R	4TH AVE			1.5	2	3			--	--	3.00	--	--	--	--	--	--
SGN-16	NO PARKING	WB-4-LP-039-R	4TH AVE	406+31	RIGHT	1.5	2	3	--	LP	--	--	3.00	--	--	--	--	--	--
SGN-17	WEST	WB-4-LP-040-R	4TH AVE	407+46	RIGHT	2	1	2	--	LP	--	--	2.00	--	--	--	--	--	--
SGN-17	ILLINOIS 92	WB-4-LP-041-R	4TH AVE			2	2	4			--	--	4.00	--	--	--	--	--	--
SGN-17	RIGHT LANE	WB-4-LP-042-R	4TH AVE			2	1.5	3			--	--	3.00	--	--	--	--	--	--
SGN-18	NO PARKING HERE TO CORNER	SB-21-TS-221-R	21ST STREET	8+48	RIGHT	1	1.5	1.50	1	TS	1	--	--	--	--	--	--	--	--
SGN-18	NO OUTLET	NB-21-TS-222-R	21ST STREET	8+56	RIGHT	2.5	2.5	6.25	1	TS	1	--	--	--	--	--	--	--	--
SGN-18	STOP	NB-21-TS-223-R	21ST STREET	8+58	RIGHT	2.5	2.5	6.25	1	TS	1	--	--	--	--	--	--	--	--
	ONE WAY	NB-21-TS-224-R				1.5	2	3.00	1	TS	1	--	--	--	--	--	--	--	--
SGN-18	21ST STREET	SB-21-TS-225-R	21ST STREET	9+54	RIGHT	2.16	0.67	1.45	1	TS	1	--	--	--	--	--	--	--	--
	6TH AVE	SB-21-TS-226-R				1.67	0.67	1.12	1	TS	1	--	--	--	--	--	--	--	--
SGN-18	STOP	SB-21-TS-227-R	21ST STREET	9+66	RIGHT	2.5	2.5	6.25	1	TS	1	--	--	--	--	--	--	--	--
	ONE WAY	SB-21-TS-228-R				1.5	2	3.00	1	TS	1	--	--	--	--	--	--	--	--
	ONE WAY	SB-21-TS-229-R				1.5	2	3.00	1	TS	1	--	--	--	--	--	--	--	--
SGN-18	STOP	SB-21-TS-230-R	21ST STREET	12+97	LEFT	2.5	2.5	6.25	1	TS	1	--	--	--	--	--	--	--	--
SGN-18	STOP	SB-21-TS-230A-R	21ST STREET	12+74	RIGHT	2.5	2.5	6.25	1	TS	1	--	--	--	--	--	--	--	--
SGN-19	WEST	WB-6-TS-036-R	6TH AVE	6000+82	LEFT	2	1	2	1	TS	1	--	--	--	--	--	--	--	--
	ILLINOIS ROUTE 92	WB-6-TS-037-R				2	1.83	4					--	--	--	--	--	--	--
	ONE WAY IN ARROW	WB-6-TS-038-R				3	1	3					--	--	--	--	--	--	--
SGN-19	NO PARKING HERE TO CORNER	EB-6-TS-040-R	6TH AVE	6002+15	RIGHT	1	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-19	NO PARKING HERE TO CORNER	WB-6-TS-039-R	6TH AVE	6002+18	LEFT	1	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-20	SPEED LIMIT 30 MPH	WB-6-TS-041-R	6TH AVE	6006+29	LEFT	2	2.5	5	1	TS	1	--	--	--	--	--	--	--	--
SGN-20	SPEED LIMIT 30 MPH	EB-6-TS-042-R	6TH AVE	6006+29	RIGHT	2	2.5	5	1	TS	1	--	--	--	--	--	--	--	--
										SUBTOTAL	31	0	19	0	84	0	2	2	0

NOTES:
1. STA & OFFSETS TO CENTER OF SIGN PANEL

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
RETRACED	CDM	12/23/2016

SGN-03

FILE NAME = D2CONAB-HPS-sht-sign303.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN SCHEDULES
REMOVALS

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	528
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		

SIGN REMOVAL SCHEDULE

SIGN PLAN SHEET NUMBER	DESCRIPTION	SIGN CODE	ALIGNMENT NAME	STATION	OFFSET	PANEL WIDTH	PANEL HEIGHT	SIGN AREA	NO. OF POSTS / FOUNDATIONS	MOUNTING TYPE TS - BS - LP - WP - SM - PM - MP	72400100 REMOVE SIGN PANEL ASSEMBLY - TYPE A	72400200 REMOVE SIGN PANEL ASSEMBLY - TYPE B	72400310 REMOVE SIGN PANEL TYPE 1	72400320 REMOVE SIGN PANEL TYPE 2	72400330 REMOVE SIGN PANEL TYPE 3	73600100 REMOVE OVERHEAD SIGN STRUCTURE - SPAN	73700100 REMOVE GROUND MOUNTED SIGN SUPPORT	73700200 REMOVE CONCRETE FOUNDATION - GROUND MOUNT	73700300 REMOVE CONCRETE FOUNDATION - OVERHEAD
						FEET	FEET	SQ FT			EACH	EACH	SQ FT	SQ FT	SQ FT	EACH	EACH	EACH	EACH
SGN-21	KEEP RIGHT	EB-7-TS-043-R	7TH AVE	7002+40	RIGHT	2	2.5	5	1	TS	1	--	--	--	--	--	--	--	--
SGN-21	DO NOT ENTER	WB-7-TS-044-R	7TH AVE	7003+27	RIGHT	2.5	2.5	6	1	TS	1	--	--	--	--	--	--	--	--
SGN-21	ONE WAY	EB-7-TS-045-R	7TH AVE	7004+53	RIGHT	1	3	3	1	TS	1	--	--	--	--	--	--	--	--
	OBJECT MARKER - OM3-R	EB-7-TS-046-R				1.5	2	3					--	--	--	--	--	--	--
SGN-22	NO PARKING HERE TO CORNER	EB-7-TS-052-R	7TH AVE	7006+18	RIGHT	1	1.5	2	1	TS	1	--	--	--	--	--	--	--	--
SGN-22	DO NOT ENTER	WB-7-TS-047-R	7TH AVE	7007+34	LEFT	2.5	2.5	6	1	TS	1	--	--	--	--	--	--	--	--
SGN-22	KEEP RIGHT	WB-7-TS-048-R	7TH AVE	7007+34	LEFT	2	2.5	5	1	TS	1	--	--	--	--	--	--	--	--
SGN-22	DO NOT ENTER	EB-7-TS-049-R	7TH AVE	7008+53	LEFT	2.5	2.5	6	1	TS	1	--	--	--	--	--	--	--	--
SGN-22	RIGHT TURN LANE	EB-7-TS-053-R	7TH AVE	7009+15	RIGHT	1.5	2	3	1	TS	1	--	--	--	--	--	--	--	--
SGN-22	I-74/ US 6 WEST, DAVENPORT	EB-7-SP-054-R	7TH AVE	7009+86	OVERHEAD	6.5	14.5	94	4	SP	--	--	--	--	--	1	--	--	4
	EAST 7TH AVE					8	18	144			--	--	--	--	--		--	--	
	I-74/US 6 EAST, GALESBURG					6.5	14.5	94			--	--	--	--	--		--	--	
SGN-22	I WIRELESS CENTER, MOLINE, ROCK ISL	WB-7-TS-050-R	7TH AVE	7010+03	LEFT	2.5	2.5	6	--	TS	1	--	--	--	--	--	--	--	--
	MOLINE PLACARD	WB-7-TS-051-R				2.17	0.5	1					--	--	--	--	--	--	--
SGN-22	BUCKLE UP	EB-7-WP-055-R	7TH AVE	7010+17	RIGHT	4	5	20	1	WP	--	1	--	--	--	--	--	--	--
SGN-22	BUCKLE UP	EB-7-WP-056-R	7TH AVE	7011+05	RIGHT	4	5	20	1	WP	--	1	--	--	--	--	--	--	--
SGN-23	BUCKLE UP	NB-7-WP-057-R	RAMP 7TH A	7012+76	LEFT	4	5	20	1	WP	--	1	--	--	--	--	--	--	--
SGN-23	BUCKLE UP	NB-7-WP-058-R	RAMP 7TH A	7013+37	LEFT	4	5	20	1	WP	--	1	--	--	--	--	--	--	--
SGN-23	I-74/US 6 EAST, GALESBURG	WB-7-SP-064-R	7TH AVE	7013+85	OVERHEAD	6.5	14.5	94	4	SP	--	--	--	--	--	1	--	--	4
	EAST 7TH AVE					8	18	144			--	--	--	--	--		--	--	
	I-74/ US 6 WEST, DAVENPORT					6.5	14.5	94			--	--	--	--	--		--	--	
SGN-23	RIGHT TURN LANE	WB-7-TS-059-R	7TH AVE	7016+11	LEFT	1.5	2	3	--	TS	1	--	--	--	--	--	--	--	--
	NO PARKING HERE TO CORNER	WB-7-TS-060-R				1	1.25	1					--	--	--	--	--	--	--
SGN-23	LEFT TURN LANE	WB-7-TS-061-R	7TH AVE	7016+69	LEFT	1.5	2	3	--	TS	1	--	--	--	--	--	--	--	--
	ONE WAY	WB-7-TS-062-R				1.5	2	3					--	--	--	--	--	--	--
SGN-23	DO NOT ENTER	WB-7-TS-065-R	7TH AVE	7016+71	RIGHT	2.5	2.5	6	1	TS	1	--	--	--	--	--	--	--	--
SGN-23	ONE WAY	EB-7-TS-066-R	7TH AVE	7017+52	RIGHT	1.5	2	3	1	TS	1	--	--	--	--	--	--	--	--
SGN-23	DO NOT ENTER	EB-7-TS-063-R	7TH AVE	7017+64	LEFT	2.5	2.5	6	1	TS	1	--	--	--	--	--	--	--	--
SGN-24	KEEP RIGHT	SB-19-TS-067-R	19TH ST	1908+86	LEFT	2	2.5	5	1	TS	1	--	--	--	--	--	--	--	--
SGN-25	LEFT TURN LANE	SB-19-TS-068-R	19TH ST	1916+00	RIGHT	1.5	2	3	1	TS	1	--	--	--	--	--	--	--	--
SGN-25	SPEED LIMIT 30	NB-19-TS-069-R	19TH ST	1917+54	LEFT	2	2.5	5	1	TS	1	--	--	--	--	--	--	--	--
										SUBTOTAL	**17**	**4**	**0**	**0**	**0**	**2**	**0**	**0**	**8**
										TOTAL	**58**	**10**	**33**	**58**	**168**	**4**	**4**	**4**	**8**

NOTES:
1. STA & OFFSETS TO CENTER OF SIGN PANEL

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

FILE NAME = D2CONAB-HPS-sht-sign308.dgn	USER NAME = hehm01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN SCHEDULES
REMOVALS

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	529
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

PROPOSED SIGN SCHEDULE

SIGN PLAN SHEET NUMBER	DESCRIPTION	SIGN DESIGNATION	SIGN CODE	ALIGNMENT NAME	STATION	OFFSET		PANEL WIDTH	PANEL HEIGHT	POST ONE LENGTH	POST TWO LENGTH	MOUNTING TYPE BM - BS - CL - LP - MP - MPS - PM - SM - SP - TC - TS - TSB - WP	50800205 REINF BARS, EPOXY CTD	72000100 SIGN PANEL - TYPE 1	72000200 SIGN PANEL - TYPE 2	72000300 SIGN PANEL - TYPE 3	72400500 RELOCATE SIGN PANEL ASSEMBLY - TYPE A	72600100 MILE POST MARKER ASSEMBLY	72700100 STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	72800100 TELESCOPING STEEL SIGN SUPPORT	73000100 WOOD SIGN SUPPORT	73100100 BASE FOR TELESCOPING STEEL SIGN SUPPORT	73400100 CONCRETE FOUNDATIONS	X7260100 MILE POST MARKER ASSEMBLY (SPECIAL)	#2000319 PARAPET MOUNTED SIGN SUPPORT ASSEMBLY
								FOOT	FOOT	FOOT	FOOT		POUND	SQ FT	SQ FT	SQ FT	EACH	EACH	POUND	FOOT	FOOT	EACH	CU YD	EACH	EACH
SGN-09	ADDED LANE	W4-3	WB-RDH-WP-100-P	RAMP RD-H	217+40	25	LT	4.00	4.00	17		WP		--	16.00	--	--	--		--	17	--		--	--
SGN-09	ADDED LANE	W4-3	WB-74-LP-100a-P	I-74	6747+02	72	RT	4.00	4.00	0		LP		--	16.00	--	--	--		--	--	--		--	--
SGN-09	SPEED LIMIT	R2-1	EB-74-WP-103-P	I-74	6746+00	78	LT	4.00	5.00	21		WP		--	20.00	--	--	--		--	21	--		--	--
SGN-09	MINIMUM SPEED LIMIT	R2-I102	EB-74-WP-105-P	I-74	6746+00	78	LT	4.00	3.00					--	12.00	--	--	--				--		--	--
SGN-09	SPEED LIMIT	R2-1	WB-74-LP-102-P	I-74	25+59	72	LT	4.00	5.00	0		LP		--	20.00	--	--	--		--	--	--		--	--
SGN-09	RIGHT LANE ENDS	W9-1	EB-74-LP-101-P	I-74	6747+02	76	LT	4.00	4.00	0		LP		--	16.00	--	--	--		--	--	--		--	--
SGN-09	EAST	M3-2(I)	EB-74-LP-107-P	I-74	25+65	76	RT	3.00	1.50	0		LP		4.50	--	--	--	--		--	--	--		--	--
	INTERSTATE ROUTE SIGN	M1-1	EB-74-LP-109-P	I-74	25+65			3.00	3.00					9.00	--	--	--	--		--	--	--		--	--
	EAST	M3-2(I)	EB-74-LP-111-P	I-74	25+65			3.00	1.50					4.50	--	--	--	--		--	--	--		--	--
	STATE ROUTE SIGN	M1-4	EB-74-LP-113-P	I-74	25+65			3.00	3.00					9.00	--	--	--	--		--	--	--		--	--
SGN-09	ADVANCE TRAFFIC CONTROL	W3-3	EB-RDG-LP-114-P	RAMP RD-G	130+65	29	RT	3.00	3.00	0		LP		9.00	--	--	--	--		--	--	--		--	--
SGN-11	RAMP 35 MPH	W13-3	EB-R6C-LP-124-P	RAMP 6TH-C	320+65	11	RT	4.00	5.00	0		LP		--	20.00	--	--	--		--	--	--		--	--
SGN-11	.6 MP	D10-1A	WB-74-MP-104-P	I-74	28+78	78	LT	1.00	3.00	0		MP		--	--	--	--	1		--	--	--		--	--
SGN-11	.6 MP	D10-1A	EB-74-MP-113a-P	I-74	28+95	84	RT	1.00	3.00	0		MP		--	--	--	--	1		--	--	--		--	--
SGN-11	.8 MP	D10-1A	WB-74-MPS-110-P	I-74	40+00	63	LT	1.00	3.00	0		MPS		--	--	--	--	--		--	--	--		1	--
SGN-11	MERGE	W4-1	WB-74-PM-112-P	I-74	40+70	63	LT	4.00	4.00	0		PM		--	16.00	--	--	--		--	--	--		--	1
SGN-11	NON MOTORIZED TRAFFIC SPECIAL	R5-I100	WB-RDH-LP-106-P	RAMP RD-H	212+00	26	RT	4.00	5.00	0		LP		--	20.00	--	--	--		--	--	--		--	--
SGN-11	WRONG WAY	R5-1A	EB-RDG-WP-115-P	RAMP RD-G	134+91	38	LT	3.50	2.50	16		WP		8.75	--	--	--	--		--	16	--		--	--
SGN-11	DO NOT ENTER	R5-1	EB-RDG-WP-116-P	RAMP RD-G	136+00	38	LT	4.00	4.00	17		WP		--	16.00	--	--	--		--	17	--		--	--
SGN-12	NON MOTORIZED TRAFFIC SPECIAL	R5-I100	NB-R6D-WP-114-P	RAMP 6TH-D	420+75	21	RT	4.00	5.00	18		WP		--	20.00	--	--	--		--	18	--		--	--
SGN-12	ONE WAY	R6-1L	NB-R6D-WP-116-P	RAMP 6TH-D	420+81	26	LT	4.50	1.50	23		WP		6.75	--	--	--	--		--	23	--		--	--
	ONE WAY	R6-1R	NB-R6D-WP-118-P	RAMP 6TH-D	420+81			4.50	1.50					6.75	--	--	--	--		--		--		--	--
	DO NOT ENTER	R5-1	NB-R6D-WP-120-P	RAMP 6TH-D	420+81			4.00	4.00					--	16.00	--	--	--		--		--		--	--
	KEEP RIGHT	R4-7	NB-R6D-WP-122-P	RAMP 6TH-D	420+81			2.00	2.50					5.00	--	--	--	--		--		--		--	--
SGN-11	I-74, ROUTE 6 , EAST, PEORIA	GUIDE	EB-74-SP-103-P	I-74	29+12.50	--	RT	14.50	7.00	0		SP		--	--	101.50	--	--		--	--	--		--	--
SGN-11	EXIT 3, AVENUE OF THE CITIES. 1 MILE	GUIDE	EB-74-SP-105-P	I-74	29+12.50	--	RT	13.00	11.00	0		SP		--	--	143.00	--	--		--	--	--		--	--
SGN-11	LANE ENDS, 800 FEET, ARROW DOWN	GUIDE	EB-74-SP-107-P	I-74	29+12.50	--	RT	12.00	8.00	0		SP		--	--	96.00	--	--		--	--	--		--	--
SGN-11	EXIT 1B, ILLINOIS 92, EAST, 6TH AVE	GUIDE	EB-74-SP-109-P	I-74	29+12.50	--	RT	13.00	10.00	0		SP		--	--	130.00	--	--		--	--	--		--	--
SGN-11	1B EXIT GORE SIGN	E5-1A	EB-74-TSB-115-P	I-74	33+35	78	RT	6.50	5.00	12		TSB		--	--	32.50	--	--		12	--	1		--	--
SGN-11	LANE ENDS MERGE LEFT	W9-2	EB-74-PM-117-P	I-74	33+86	76	RT	4.00	4.00	0		PM		--	16.00	--	--	--		--	--	--		--	1
SGN-11	TRUCKS USE RIGHT LANE	R4-5	EB-74-LP-117a-P	I-74	37+57	0	RT	4.00	5.00	0		LP		--	20.00	--	--	--		--	--	--		--	--
SGN-11	.8 MP	D10-1A	EB-74-MPS-133-P	I-74	40+00	72	RT	1.00	3.00	0		MPS		--	--	--	--	--		--	--	--		1	--
SGN-11	HORIZONTAL ALIGNMENT LEFT	W1-2L	EB-R6C-LP-119-P	RAMP 6TH-C	325+60	10	RT	3.00	3.00	0		LP		9.00	--	--	--	--		--	--	--		--	--
SGN-11	ADVISORY SPEED 35MPH	W13-1P	EB-R6C-LP-121-P	RAMP 6TH-C	325+60	10	RT	2.00	2.00					4.00	--	--	--	--		--	--	--		--	--
SGN-11	CHEVRON ALIGNMENT	W1-8L	EB-R6C-PM-123-P	RAMP 6TH-C	331+10	10	RT	2.50	3.00	0		PM		7.50	--	--	--	--		--	--	--		--	1
SGN-11	ADVANCE TRAFFIC CONTROL	W3-3	EB-R6C-LP-125-P	RAMP 6TH-C	331+65	30	LT	3.00	3.00	0		LP		9.00	--	--	--	--		--	--	--		--	--
SGN-11	ADVANCE TRAFFIC CONTROL	W3-3	EB-R6C-PM-127-P	RAMP 6TH-C	331+65	10	RT	3.00	3.00	0		PM		9.00	--	--	--	--		--	--	--		--	1
SGN-11	CHEVRON ALIGNMENT	W1-8L	EB-R6C-PM-129-P	RAMP 6TH-C	332+30	10	RT	2.50	3.00	0		PM		7.50	--	--	--	--		--	--	--		--	1
SGN-11	CHEVRON ALIGNMENT	W1-8L	EB-R6C-WP-131-P	RAMP 6TH-C	333+50	14	RT	2.50	3.00	16		WP		7.50	--	--	--	--		--	16	--		--	--
SGN-12	CHEVRON ALIGNMENT	W1-8L	EB-R6C-WP-135-P	RAMP 6TH-C	334+70	13	RT	2.50	3.00	16		WP		7.50	--	--	--	--		--	16	--		--	--
SGN-12	WRONG WAY	R5-1A	EB-R6C-WP-137-P	RAMP 6TH-C	336+00	44	LT	3.50	2.50	16		WP		8.75	--	--	--	--		--	16	--		--	--
SGN-12	WRONG WAY	R5-1A	EB-R6C-WP-139-P	RAMP 6TH-C	336+00	13	RT	3.50	2.50	16		WP		8.75	--	--	--	--		--	16	--		--	--
SGN-13	WEST	M3-4(I)	EB-3-TS-301-P	RIVER DRIVE	3010+00	44	RT	2.00	1.00	18		TS		2.00	--	--	--	--		18	--	--		--	--
	INTERSTATE ROUTE SIGN	M1-1	EB-3-TS-302-P	RIVER DRIVE	3010+00	44	RT	2.00	2.00					4.00	--	--	--	--						--	--
	ADVANCE TURN ARROW	M5-1(I)	EB-3-TS-303-P	RIVER DRIVE	3010+00	44	RT	1.75	1.25					2.19	--	--	--	--						--	--
											SUBTOTAL	-	0	150	244	503	0	2	0	30	176	1	0.0	2	5

NOTES:
1. STA & OFFSETS TO CENTER OF SIGN PANEL
2. * SEE SHEET SGN-01 FOR BREAKAWAY STEEL SIGN SUPPORT DESIGN INFORMATION

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

SGN-05

FILE NAME = D2CONAB-HPS-sht-sign304.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN SCHEDULES
PROPOSED

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	530
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		

PROPOSED SIGN SCHEDULE

SIGN PLAN SHEET NUMBER	DESCRIPTION	SIGN DESIGNATION	SIGN CODE	ALIGNMENT NAME	STATION	OFFSET		PANEL WIDTH	PANEL HEIGHT	POST ONE LENGTH	POST TWO LENGTH	MOUNTING TYPE BM - BS - CL - LP - MP - MPS - PM - SM - SP - TC - TS - TSB - WP	50800205 REINF BARS, EPOXY CTD	72000100 SIGN PANEL - TYPE 1	72000200 SIGN PANEL - TYPE 2	72000300 SIGN PANEL - TYPE 3	72400500 RELOCATE SIGN PANEL ASSEMBLY - TYPE A	72600100 MILE POST MARKER ASSEMBLY	72700100 STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	72800100 TELESCOPING STEEL SIGN SUPPORT	73000100 WOOD SIGN SUPPORT	73100100 BASE FOR TELESCOPING STEEL SIGN SUPPORT	73400100 CONCRETE FOUNDATIONS	X7260100 MILE POST MARKER ASSEMBLY (SPECIAL)	#2000319 PARAPET MOUNTED SIGN SUPPORT ASSEMBLY
								FOOT	FOOT	FOOT	FOOT		POUND	SQ FT	SQ FT	SQ FT	EACH	EACH	POUND	FOOT	FOOT	EACH	CU YD	EACH	EACH
SGN-14	TWO LEFT ONLY	R3-8MOD	EB-3-TS-305-P	RIVER DRIVE	3014+88	12.5	LT	2.50	2.50	16		TS		6.25	--	--	--	--		16	--	--		--	--
SGN-14	DAVENPORT WEST	GUIDE	EB-3-BS-306-P	RIVER DRIVE	3014+78	52	RT	11.00	9.00	*	*	BS	*	--	--	99.00	--	--	*	--	--	--	*	--	--
SGN-14	KEEP RIGHT	R4-7	EB-3-TS-307-RL	RIVER DRIVE	3016+10	4	RT	2.00	2.50	16		TS		5.00	--	--	1	--		16	--	--		--	--
SGN-14	WEST	M3-4(I)	WB-3-SM-308-P	RIVER DRIVE	3016+25	45	LT	2.00	1.00	0		SM		2.00	--	--	--	--		--	--	--		--	--
	INTERSTATE ROUTE SIGN	M1-1	WB-3-SM-309-P	RIVER DRIVE	3016+25	45	LT	2.00	2.00					4.00	--	--	--	--		--	--	--		--	--
	DIRECTIONAL ARROW	M6-1(I)	WB-3-SM-310-P	RIVER DRIVE	3016+25	45	LT	1.75	1.25					2.19	--	--	--	--		--	--	--		--	--
SGN-15	DAVENPORT WEST	GUIDE	WB-3-BS-311-P	RIVER DRIVE	3019+76	63	LT	11.00	9.00	*	*	BS	*	--	--	99.00	--	--	*	--	--	--	*	--	--
SGN-15	KEEP RIGHT	R4-7	WB-3-TSB-313-RL	RIVER DRIVE	3020+60	10	LT	2.00	2.50	10		TSB		5.00	--	--	1	--		10	--	1		--	--
SGN-16	RAILROAD ADVANCE WARNING	W10-2	WB-4-TS-401-P	4TH AVENUE	402+00	24	LT	3.00	3.00	16		TS		9.00	--	--	--	--		16	--	--		--	--
SGN-16	LEFT TURN LANE	R-3-I100	WB-4-LP-402a-P	4TH AVENUE	404+14	16	RT	2.00	2.00	0		LP		4.00	--	--	--	--		--	--	--		--	--
SGN-16	NO PARKING	R8-3a	WB-4-LP-402b-P	4TH AVENUE	404+14	16	RT	1.50	2.00					3.00	--	--	--	--		--	--	--		--	--
SGN-16	NO PARKING	R8-3a	WB-4-LP-402c-P	4TH AVENUE	406+31	16	RT	1.50	2.00	0		LP		3.00	--	--	--	--		--	--	--		--	--
SGN-17	WEST	M3-2	WB-4-LP-402d-P	4TH AVENUE	407+46	15	RT	2.00	1.00	0		LP		2.00	--	--	--	--		--	--	--		--	--
SGN-17	ILLINOIS 92	M1-5	WB-4-LP-402e-P	4TH AVENUE	407+46	15	RT	2.00	2.00					4.00	--	--	--	--		--	--	--		--	--
SGN-17	SPEED LIMIT 30	R2-1	WB-4-TS-403-P	4TH AVENUE	409+80	24	LT	2.50	3.00	16		TS		7.50	--	--	--	--		16	--	--		--	--
SGN-18	NO OUTLET	W14-2	NB-21-TS-401-P	21ST STREET	6TH AVE/22ND	17	RT	2.50	2.50	16		TS		6.25	--	--	--	--		16	--	--		--	--
SGN-18	OBJECT MARKER	OM4-1	NB-21-TS-402-P	21ST STREET	8+50	44	RT	1.50	1.50	15		TS		2.25	--	--	--	--		15	--	--		--	--
SGN-18	ROAD ENDS	R11-I100	NB-21-TS-403-P	21ST STREET	8+55	42	RT	3.00	2.50	16		TS		7.50	--	--	--	--		16	--	--		--	--
SGN-18	OBJECT MARKER	OM4-1	NB-21-TS-404-P	21ST STREET	8+60	40	RT	1.50	1.50	15		TS		2.25	--	--	--	--		15	--	--		--	--
SGN-18	OBJECT MARKER	OM4-1	SB-21-TS-405-P	21ST STREET	9+70	34	RT	1.50	1.50	15		TS		2.25	--	--	--	--		15	--	--		--	--
SGN-18	ROAD ENDS	R11-I100	SB-21-TS-406-P	21ST STREET	9+76	39	RT	3.00	2.50	16		TS		7.50	--	--	--	--		16	--	--		--	--
SGN-18	OBJECT MARKER	OM4-1	SB-21-TS-407-P	21ST STREET	9+82	42	RT	1.50	1.50	15		TS		2.25	--	--	--	--		15	--	--		--	--
SGN-18	NO OUTLET	W14-2	SB-21-LP-408-P	21ST STREET	16+40	23	LT	2.50	2.50	0		LP		6.25	--	--	--	--		--	--	--		--	--
SGN-19	ONE WAY	R6-1L	SB-6-SM-600H-P	6TH AVENUE	5999+46	57	RT	3.00	1.00	0		SM		3.00	--	--	--	--		--	--	--		--	--
SGN-19	WEST	M3-4	SB-6-SM-600-P	6TH AVENUE	5999+59	38	LT	2.00	1.00	0		SM		2.00	--	--	--	--		--	--	--		--	--
SGN-19	ILLINOIS 92	M1-5	SB-6-SM-600A-P	6TH AVENUE	5999+59	38	LT	2.00	2.00	0		SM		4.00	--	--	--	--		--	--	--		--	--
SGN-19	ONE WAY	R6-1L	SB-6-SM-600B-P	6TH AVENUE	5999+59	38	LT	3.00	1.00	0		SM		3.00	--	--	--	--		--	--	--		--	--
SGN-19	ONE WAY	R6-1R	SB-6-SM-600C-P	6TH AVENUE	5999+59	38	LT	3.00	1.00	0		SM		3.00	--	--	--	--		--	--	--		--	--
SGN-19	WEST	M3-4	NB-6-SM-600D-P	6TH AVENUE	6000+37	43	RT	2.00	1.00	0		SM		2.00	--	--	--	--		--	--	--		--	--
SGN-19	ILLINOIS 92	M1-5	NB-6-SM-600E-P	6TH AVENUE	6000+37	43	RT	2.00	2.00	0		SM		4.00	--	--	--	--		--	--	--		--	--
SGN-19	ONE WAY	R6-1R	SB-6-SM-600F-P	6TH AVENUE	6000+37	43	RT	3.00	1.00	0		SM		3.00	--	--	--	--		--	--	--		--	--
SGN-19	ONE WAY	R6-1L	SB-6-SM-600G-P	6TH AVENUE	6000+37	43	RT	3.00	1.00	0		SM		3.00	--	--	--	--		--	--	--		--	--
SGN-19	ONE WAY	R6-1R	EB-6-SM-601-P	6TH AVENUE	6000+36	37	LT	3.00	1.00	0		SM		3.00	--	--	--	--		--	--	--		--	--
SGN-19	JUNCTION	M2-1(I)	EB-6-TS-604-P	6TH AVENUE	6001+05	18	RT	1.75	1.25	17		TS		2.19	--	--	--	--		17	--	--		--	--
SGN-19	INTERSTATE ROUTE SIGN	M1-1	EB-6-TS-604A-P	6TH AVENUE	6001+05	18	RT	2.00	2.00					4.00	--	--	--	--						--	--
SGN-19	SPEED LIMIT 30	R2-1	EB-6-TS-602-P	6TH AVENUE	6002+40	28	LT	2.50	3.00	16		TS		7.50	--	--	--	--		16	--	--		--	--
SGN-19	SPEED LIMIT 30	R2-1	EB-6-TS-605-P	6TH AVENUE	6002+40	18	RT	2.50	3.00	16		TS		7.50	--	--	--	--		16	--	--		--	--
											SUBTOTAL	-	320	145	0	198	2	0	1,275	231	0	1	2.8	0	0

NOTES:
1. STA & OFFSETS TO CENTER OF SIGN PANEL
2. * SEE SHEET SGN-01 FOR BREAKAWAY STEEL SIGN SUPPORT DESIGN INFORMATION

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

FILE NAME = D2CONAB-HPS-sht-sign305.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN SCHEDULES
PROPOSED

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	531
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

PROPOSED SIGN SCHEDULE

SIGN PLAN SHEET NUMBER	DESCRIPTION	SIGN DESIGNATION	SIGN CODE	ALIGNMENT NAME	STATION	OFFSET		PANEL WIDTH	PANEL HEIGHT	POST ONE LENGTH	POST TWO LENGTH	MOUNTING TYPE BM - BS - CL - LP - MP - MPS - PM - SM - SP - TC - TS - TSB - WP	50800205 REINF BARS, EPOXY CTD	72000100 SIGN PANEL - TYPE 1	72000200 SIGN PANEL - TYPE 2	72000300 SIGN PANEL - TYPE 3	72400500 RELOCATE SIGN PANEL ASSEMBLY - TYPE A	72600100 MILE POST MARKER ASSEMBLY	72700100 STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	72800100 TELESCOPING STEEL SIGN SUPPORT	73000100 WOOD SIGN SUPPORT	73100100 BASE FOR TELESCOPING STEEL SIGN SUPPORT	73400100 CONCRETE FOUNDATIONS	X7260100 MILE POST MARKER ASSEMBLY (SPECIAL)	#2000319 PARAPET MOUNTED SIGN SUPPORT ASSEMBLY
								FOOT	FOOT	FOOT	FOOT		POUND	SQ FT	SQ FT	SQ FT	EACH	EACH	POUND	FOOT	FOOT	EACH	CU YD	EACH	EACH
SGN-19	ADVANCED TRAFFIC SIGNAL	W3-3	EB-6-TS-603-P	6TH AVENUE	6003+70	30	LT	3.00	3.00	16		TS		9.00	--	--	--	--		16	--	--		--	--
SGN-19	ADVANCED TRAFFIC SIGNAL	W3-3	EB-6-TS-606-P	6TH AVENUE	6003+70	18	RT	3.00	3.00	16		TS		9.00	--	--	--	--		16	--	--		--	--
SGN-20	WRONG WAY	R5-1A	EB-6-TS-607-P	6TH AVENUE	6004+57	30	LT	3.00	2.00	15		TS		6.00	--	--	--	--		15	--	--		--	--
SGN-20	WRONG WAY	R5-1A	EB-6-TS-617-P	6TH AVENUE	6004+57	18	RT	3.00	2.00	15		TS		6.00	--	--	--	--		15	--	--		--	--
SGN-20	IL 92 EAST 6TH AVE	GUIDE	EB-6-BM-609-P	6TH AVENUE	6004+66.29	--	RT	17.00	8.00	0		BM		--	--	136.00	--	--		--	--	--		--	--
SGN-20	I-74/US 6 WEST DAVENPORT	GUIDE	EB-6-BM-608-P	6TH AVENUE	6004+71.40	--	RT	13.50	6.00	0		BM		--	--	81.00	--	--		--	--	--		--	--
SGN-20	YIELD	R1-2	EB-6-TS-618-P	6TH AVENUE	6005+68	44	RT	3.00	3.00	16		TS		4.00	--	--	--	--		16	--	--		--	--
SGN-20	ONE WAY	R6-1L	EB-6-TS-610-P	6TH AVENUE	6006+00	30	LT	3.00	1.00	15		TS		3.00	--	--	--	--		15	--	--		--	--
SGN-20	ONE WAY	R6-1R	EB-6-TS-611-P	6TH AVENUE	6006+00	30	LT	3.00	1.00					3.00	--	--	--	--						--	--
SGN-20	DO NOT ENTER	R5-1	EB-6-SM-612-P	6TH AVENUE	6006+13	39	LT	3.00	3.00	0		SM		9.00	--	--	--	--		--	--	--		--	--
SGN-20	DO NOT ENTER	R5-1	EB-6-SM-619-P	6TH AVENUE	6006+12	30	RT	3.00	3.00	0		SM		9.00	--	--	--	--		--	--	--		--	--
SGN-20	KEEP RIGHT	R4-7	EB-6-TS-620-P	6TH AVENUE	6006+45	18	RT	2.00	2.50	16		TS		5.00	--	--	--	--		16	--	--		--	--
SGN-20	WEST	M3-4(I)	EB-6-TS-614-P	6TH AVENUE	6007+00	45	LT	2.00	1.00	18		TS		2.00	--	--	--	--		18	--	--		--	--
SGN-20	INTERSTATE ROUTE SIGN	M1-1	EB-6-TS-615-P	6TH AVENUE	6007+00	45	LT	2.00	2.00					4.00	--	--	--	--						--	--
SGN-20	DIRECTIONAL ARROW	M6-1(I)	EB-6-TS-616-P	6TH AVENUE	6007+00	45	LT	1.75	1.25					2.19	--	--	--	--						--	--
SGN-20	ONE WAY	R6-1L	EB-6-TS-621-P	6TH AVENUE	6007+05	40	RT	3.00	1.00	15		TS		3.00	--	--	--	--		15	--	--		--	--
SGN-20	ONE WAY	R6-1R	EB-6-TS-622-P	6TH AVENUE	6007+05	40	RT	3.00	1.00					3.00	--	--	--	--						--	--
SGN-20	LEFT LANE MUST TURN LEFT	R3-7	EB-7-TSB-701A-P	7TH AVENUE	7003+00	4	RT	3.00	3.00	10		TSB		9.00	--	--	--	--		10	--	1		--	--
SGN-21	KEEP RIGHT	R4-7	WB-7-TSB-701-P	7TH AVENUE	7003+50	5	LT	2.00	2.50	10		TSB		5.00	--	--	--	--		10	--	1		--	--
SGN-21	KEEP RIGHT	R4-7	EB-7-TSB-702-P	7TH AVENUE	7004+35	2	RT	2.00	2.50	10		TSB		5.00	--	--	--	--		10	--	1		--	--
SGN-22	I-74/US 6 EAST, GALESBURG	GUIDE	EB-7-CL-705-P	7TH AVENUE	7006+40	77.65	RT	12.50	8.00	0		CL		--	--	100.00	--	--		--	--	--		--	--
SGN-22	KEEP RIGHT	R4-7	WB-7-TSB-712-P	7TH AVENUE	7007+14	13	LT	2.00	2.50	10		TSB		5.00	--	--	--	--		10	--	1		--	--
SGN-22	KEEP RIGHT	R4-7	EB-7-TSB-713-P	7TH AVENUE	7008+60	14	RT	2.00	2.50	10		TSB		5.00	--	--	--	--		10	--	1		--	--
SGN-22	I-74/US 6 EAST - SOUTH 19TH ST	GUIDE	WB-7-SP-704-P	7TH AVENUE	7009+07	--	RT	14.00	9.00	0		SP		--	--	126.00	--	--		--	--	--		--	--
SGN-22	I-74/US 6 WEST DAVENPORT	GUIDE	EB-7-SP-709-P	7TH AVENUE	7009+07	--	RT	13.50	6.00	0		SP		--	--	81.00	--	--		--	--	--		--	--
SGN-22	EAST 7TH AVE	GUIDE	EB-7-SP-710-P	7TH AVENUE	7009+07	--	RT	17.00	6.00	0		SP		--	--	102.00	--	--		--	--	--		--	--
SGN-22	SPEED LIMIT 30	R2-1	EB-7-TS-711-P	7TH AVENUE	7009+70	53	RT	2.50	3.00	16		TS		7.50	--	--	--	--		16	--	--		--	--
SGN-22	ADVANCED TRAFFIC SIGNAL	W3-3	EB-7-TS-714-P	7TH AVENUE	7010+70	53	RT	3.00	3.00	16		TS		9.00	--	--	--	--		16	--	--		--	--
SGN-23	ONE WAY	R6-1L	EB-7-TS-722-P	7TH AVENUE	7012+69	53	RT	3.00	1.00	19		TS		3.00	--	--	--	--		19	--	--		--	--
SGN-23	ONE WAY	R6-1R	EB-7-TS-723-P	7TH AVENUE	7012+69	53	RT	3.00	1.00					3.00	--	--	--	--						--	--
SGN-23	DO NOT ENTER	R5-1	EB-7-TS-724-P	7TH AVENUE	7012+69	53	RT	4.00	4.00					--	18.00	--	--	--						--	--
SGN-23	WEST	M3-4(I)	WB-7-TS-715-P	7TH AVENUE	7014+05	91	LT	2.00	1.00	18		TS		2.00	--	--	--	--		18	--	--		--	--
SGN-23	INTERSTATE ROUTE SIGN	M1-1	WB-7-TS-716-P	7TH AVENUE	7014+05	91	LT	2.00	2.00					4.00	--	--	--	--						--	--
SGN-23	DIRECTIONAL ARROW	M6-1(I)	WB-7-TS-717-P	7TH AVENUE	7014+05	91	LT	1.75	1.25					2.19	--	--	--	--						--	--
SGN-23	I-74/US 6 EAST GALESBURG	GUIDE	WB-7-SP-718-P	7TH AVENUE	7014+60	--	LT	13.00	6.00	0		SP		--	--	78.00	--	--		--	--	--		--	--
SGN-23	WEST 7TH AVE	GUIDE	WB-7-SP-719-P	7TH AVENUE	7014+60	--	LT	17.00	6.00	0		SP		--	--	102.00	--	--		--	--	--		--	--
SGN-23	TO I-74/US 6 WEST DAVENPORT	GUIDE	WB-7-SP-720-P	7TH AVENUE	7014+60	--	LT	13.00	9.00	0		SP		--	--	117.00	--	--		--	--	--		--	--
SGN-23	SPEED LIMIT 30	R2-1	WB-7-TS-721-P	7TH AVENUE	7016+80	43	LT	2.50	3.00	16		TS		7.50	--	--	--	--		16	--	--		--	--
SGN-23	KEEP RIGHT	R4-7	WB-7-TSB-725-P	7TH AVENUE	7016+91	5	RT	2.00	2.50	10		TSB		5.00	--	--	--	--		10	--	1		--	--
							SUBTOTAL					-	0	149	16	923	0	0	0	287	0	6	0.0	0	0

NOTES:
1. STA & OFFSETS TO CENTER OF SIGN PANEL
2. * SEE SHEET SGN-01 FOR BREAKAWAY STEEL SIGN SUPPORT DESIGN INFORMATION

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

SGN-07

FILE NAME = D2CONAB-HPS-sht-sign306.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN SCHEDULES
PROPOSED

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	532
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		

PROPOSED SIGN SCHEDULE

SIGN PLAN SHEET NUMBER	DESCRIPTION	SIGN DESIGNATION	SIGN CODE	ALIGNMENT NAME	STATION	OFFSET		PANEL WIDTH	PANEL HEIGHT	POST ONE LENGTH	POST TWO LENGTH	MOUNTING TYPE BM - BS - CL - LP - MP - MPS - PM - SM - SP - TC - TS - TSB - WP	50800205 REINF BARS, EPOXY CTD	72000100 SIGN PANEL - TYPE 1	72000200 SIGN PANEL - TYPE 2	72000300 SIGN PANEL - TYPE 3	72400500 RELOCATE SIGN PANEL ASSEMBLY - TYPE A	72600100 MILE POST MARKER ASSEMBLY	72700100 STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	72800100 TELESCOPING STEEL SIGN SUPPORT	73000100 WOOD SIGN SUPPORT	73100100 BASE FOR TELESCOPING STEEL SIGN SUPPORT	73400100 CONCRETE FOUNDATIONS	X7260100 MILE POST MARKER ASSEMBLY (SPECIAL)	#2000319 PARAPET MOUNTED SIGN SUPPORT ASSEMBLY
								FOOT	FOOT	FOOT	FOOT		POUND	SQ FT	SQ FT	SQ FT	EACH	EACH	POUND	FOOT	FOOT	EACH	CU YD	EACH	EACH
SGN-24	WEST	M3-4(I)	SB-19-TS-192-P	19TH STREET	1910+08	39	RT	2.00	1.00					2.00	--	--	--	--						--	--
SGN-24	INTERSTATE ROUTE SIGN	M1-1	SB-19-TS-193-P	19TH STREET	1910+08	39	RT	2.00	2.00					4.00	--	--	--	--						--	--
SGN-24	ADVANCE TURN ARROW	M5-1(I)	SB-19-TS-194-P	19TH STREET	1910+08	39	RT	1.75	1.25	22		TS		2.19	--	--	--	--						--	--
SGN-24	EAST	M3-2(I)	SB-19-TS-195-P	19TH STREET	1910+08	39	RT	2.00	1.00					2.00	--	--	--	--		22	--	--		--	--
SGN-24	INTERSTATE ROUTE SIGN	M1-1	SB-19-TS-196-P	19TH STREET	1910+08	39	RT	2.00	2.00					4.00	--	--	--	--						--	--
SGN-24	DIRECTIONAL ARROW	M6-3(I)	SB-19-TS-197-P	19TH STREET	1910+08	39	RT	1.75	1.25					2.19	--	--	--	--						--	--
SGN-24	KEEP RIGHT	R4-7	NB-19-TSB-198-P	19TH STREET	1911+28	5.5	LT	2.00	2.50	10		TSB		5.00	--	--	--	--		10	--	1		--	--
SGN-24	KEEP RIGHT	R4-7	SB-19-TS-199-P	19TH STREET	1913+29	6	RT	2.00	2.50	10		TSB		5.00	--	--	--	--		10	--	1		--	--
SGN-24	SOUTH 19TH ST	GUIDE	SB-19-SP-199A-P	19TH STREET	1913+72		RT	17.00	8.00	0		SP		--	--	136.00	--	--		--	--	--		--	--
SGN-24	TO I-74/US 6 EAST GALESBURG	GUIDE	SB-19-SP-199B-P	19TH STREET	1913+72		RT	13.00	9.00	0		SP		--	--	117.00	--	--		--	--	--		--	--
SGN-25	SPEED LIMIT 30	R2-1	NB-19-TS-200-P	19TH STREET	1916+00	38	RT	2.50	3.00	16		TS		7.50	--	--	--	--		16	--	--		--	--
												SUBTOTAL	-	0	34	0	253	0	0	0	58	0	2	0.0	0	0

TRAFFIC SIGNAL SIGNS

TRAFFIC SIGNAL PLAN SHEET NUMBER	DESCRIPTION	SIGN DESIGNATION	INTERSECTION	PANEL WIDTH (FOOT)	PANEL HEIGHT (FOOT)	NUMBER OF SIGNS																	
TS-25	LEFT ONLY ARROW	R3-5	RIVER DR / RAMP RD-H	2.50	3.00	2		SM		15.00	--	--	--	--	--	--	--	--	--	--	--
TS-27	THRU ONLY ARROW	R3-5a	RIVER DR / RAMP RD-G	2.50	3.00	2		SM		15.00	--	--	--	--	--	--	--	--	--	--	--
TS-27	PEDESTRIAN PUSH BUTTON	R10-3	RIVER DR / RAMP RD-G	0.75	1.00	3		SM		2.25	--	--	--	--	--	--	--	--	--	--	--
TS-27	NO TURN ON RED EXCEPT FROM RIGHT LANE	R10-11c	RIVER DR / RAMP RD-G	2.50	3.50	1		SM		8.75	--	--	--	--	--	--	--	--	--	--	--
TS-27	4TH AVE	D3-1	4TH AVE / 19TH ST	3.50	1.00	2		SM		7.00	--	--	--	--	--	--	--	--	--	--	--
TS-27	19TH ST	D3-1	4TH AVE / 19TH ST	4.00	1.00	1		SM		4.00	--	--	--	--	--	--	--	--	--	--	--
TS-27	LEFT ONLY ARROW	R3-5	4TH AVE / 19TH ST	2.50	3.00	2		SM		15.00	--	--	--	--	--	--	--	--	--	--	--
TS-27	PEDESTRIAN PUSH BUTTON	R10-3	4TH AVE / 19TH ST	0.75	1.00	6		SM		4.50	--	--	--	--	--	--	--	--	--	--	--
TS-28	6TH AVE	D3-1	CONNECTOR RD / 6TH AVE	3.50	1.00	2		SM		7.00	--	--	--	--	--	--	--	--	--	--	--
TS-28	LEFT ONLY ARROW	R3-5	CONNECTOR RD / 6TH AVE	2.50	3.00	1		SM		7.50	--	--	--	--	--	--	--	--	--	--	--
TS-28	PEDESTRIAN PUSH BUTTON	R10-3	CONNECTOR RD / 6TH AVE	0.75	1.00	8		SM		6.00	--	--	--	--	--	--	--	--	--	--	--
TS-28	6TH AVE	D3-1	19TH ST / 6TH AVE	3.50	1.00	2		SM		7.00	--	--	--	--	--	--	--	--	--	--	--
TS-28	19TH ST	D3-1	19TH ST / 6TH AVE	4.00	1.00	1		SM		4.00	--	--	--	--	--	--	--	--	--	--	--
TS-28	LEFT ONLY ARROW	R3-5	19TH ST / 6TH AVE	2.50	3.00	1		SM		7.50	--	--	--	--	--	--	--	--	--	--	--
TS-28	PEDESTRIAN PUSH BUTTON	R10-3	19TH ST / 6TH AVE	0.75	1.00	8		SM		6.00	--	--	--	--	--	--	--	--	--	--	--
TS-29	7TH AVE	D3-1	CONNECTOR RD / 7TH AVE	3.50	1.00	1		SM		3.50	--	--	--	--	--	--	--	--	--	--	--
TS-29	LEFT ONLY ARROW	R3-5	CONNECTOR RD / 7TH AVE	2.50	3.00	1		SM		7.50	--	--	--	--	--	--	--	--	--	--	--
TS-29	PEDESTRIAN PUSH BUTTON	R10-3	CONNECTOR RD / 7TH AVE	0.75	1.00	2		SM		1.50	--	--	--	--	--	--	--	--	--	--	--
TS-29	7TH AVE	D3-1	19TH ST / 7TH AVE	3.50	1.00	2		SM		7.00	--	--	--	--	--	--	--	--	--	--	--
TS-29	19TH ST	D3-1	19TH ST / 7TH AVE	4.00	1.00	2		SM		8.00	--	--	--	--	--	--	--	--	--	--	--
TS-29	LEFT ONLY ARROW	R3-5	19TH ST / 7TH AVE	2.50	3.00	3		SM		22.50	--	--	--	--	--	--	--	--	--	--	--
TS-29	PEDESTRIAN PUSH BUTTON	R10-3	19TH ST / 7TH AVE	0.75	1.00	10		SM		7.50	--	--	--	--	--	--	--	--	--	--	--
							SUBTOTAL	-	0	174	0	0	0	0	0	0	0	0	0	0	0	0	0
							TOTAL	-	320	652	260	1,877	2	2	1,275	606	176	10	2.8	2	5

NOTES:
1. STA & OFFSETS TO CENTER OF SIGN PANEL
2. * SEE SHEET SGN-01 FOR BREAKAWAY STEEL SIGN SUPPORT DESIGN INFORMATION

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

SGN-08

FILE NAME = D2CONAB-HPS-sht-sign307.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN SCHEDULES
PROPOSED

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	533
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

SIGN SEQUENCE NUMBERING CODE

EXAMPLE

NB-74-SP-002-R

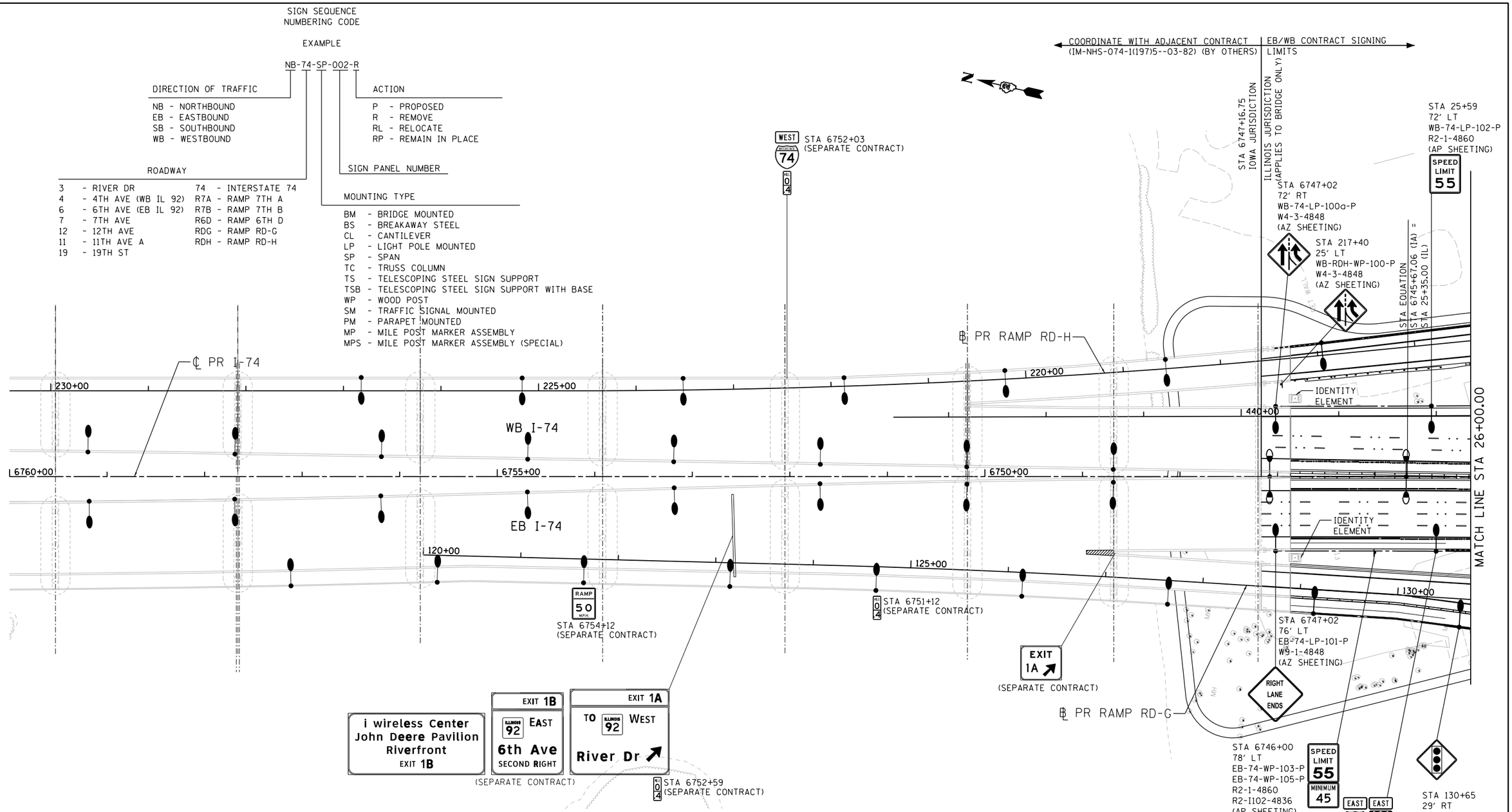
DIRECTION OF TRAFFIC
- NB - NORTHBOUND
- EB - EASTBOUND
- SB - SOUTHBOUND
- WB - WESTBOUND

ROADWAY
- 3 - RIVER DR
- 4 - 4TH AVE (WB IL 92)
- 6 - 6TH AVE (EB IL 92)
- 7 - 7TH AVE
- 12 - 12TH AVE
- 11 - 11TH AVE A
- 19 - 19TH ST
- 74 - INTERSTATE 74
- R7A - RAMP 7TH A
- R7B - RAMP 7TH B
- R6D - RAMP 6TH D
- RDG - RAMP RD-G
- RDH - RAMP RD-H

SIGN PANEL NUMBER

MOUNTING TYPE
- BM - BRIDGE MOUNTED
- BS - BREAKAWAY STEEL
- CL - CANTILEVER
- LP - LIGHT POLE MOUNTED
- SP - SPAN
- TC - TRUSS COLUMN
- TS - TELESCOPING STEEL SIGN SUPPORT
- TSB - TELESCOPING STEEL SIGN SUPPORT WITH BASE
- WP - WOOD POST
- SM - TRAFFIC SIGNAL MOUNTED
- PM - PARAPET MOUNTED
- MP - MILE POST MARKER ASSEMBLY
- MPS - MILE POST MARKER ASSEMBLY (SPECIAL)

ACTION
- P - PROPOSED
- R - REMOVE
- RL - RELOCATE
- RP - REMAIN IN PLACE



SGN-09

MTH	5/15/2015	
MTH	11/3/2016	
CDM	12/23/2016	

LAYOUT
DRAWN
REVIEWED

FILE NAME = D2CONAB-HPS-sht-sign011.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1' = 50'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
I-74 MAINLINE
STA. 6760+00 TO STA. 26+00

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 6760+00 TO STA. 26+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	534

CONTRACT NO. 64C08

ILLINOIS FED. AID PROJECT

HANSON

SEE SHEET
MATCH LINE STA 364+80

SEE SHEET SGN-09
MATCH LINE STA 268+00

℄ EX EXIT
RAMP (N-3)

℄ EX ENTANCE
RAMP (3-N)

EXISTING I-74 WB

EXISTING I-74 EB

BNSF RAILROAD

4TH AVE (IL-92 WB)

19TH ST

RIVER DRIVE

360+00
355+00
260+00
255+00
160+00
155+00
65+00
165+00
265+00
65+00

STA 162+99
EB-R3S-WP-008-R
EB-R3S-WP-009-R

20 MPH

GRAND ARMY OF THE REPUBLIC HIGHWAY

STA 162+67.28
EB-R3S-LP-007-R

EXIT 2
7th Ave
NEXT RIGHT

Twireless Center
John Deere Pavilion
Riverfront
EXITS 1 & 2

EXIT 1
River Dr
RAMP 20 MPH

STA 255+05
EB-74-SP-002-R
EB-74-SP-003-R
EB-74-SP-004-R

SPEED LIMIT
65
MINIMUM
45

STA 260+21
EB-74-LP-005-R
EB-74-LP-006-R

NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

N

SCALE: 0 50′ 100′

SGN-10

LAYOUT	MTH	9/17/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

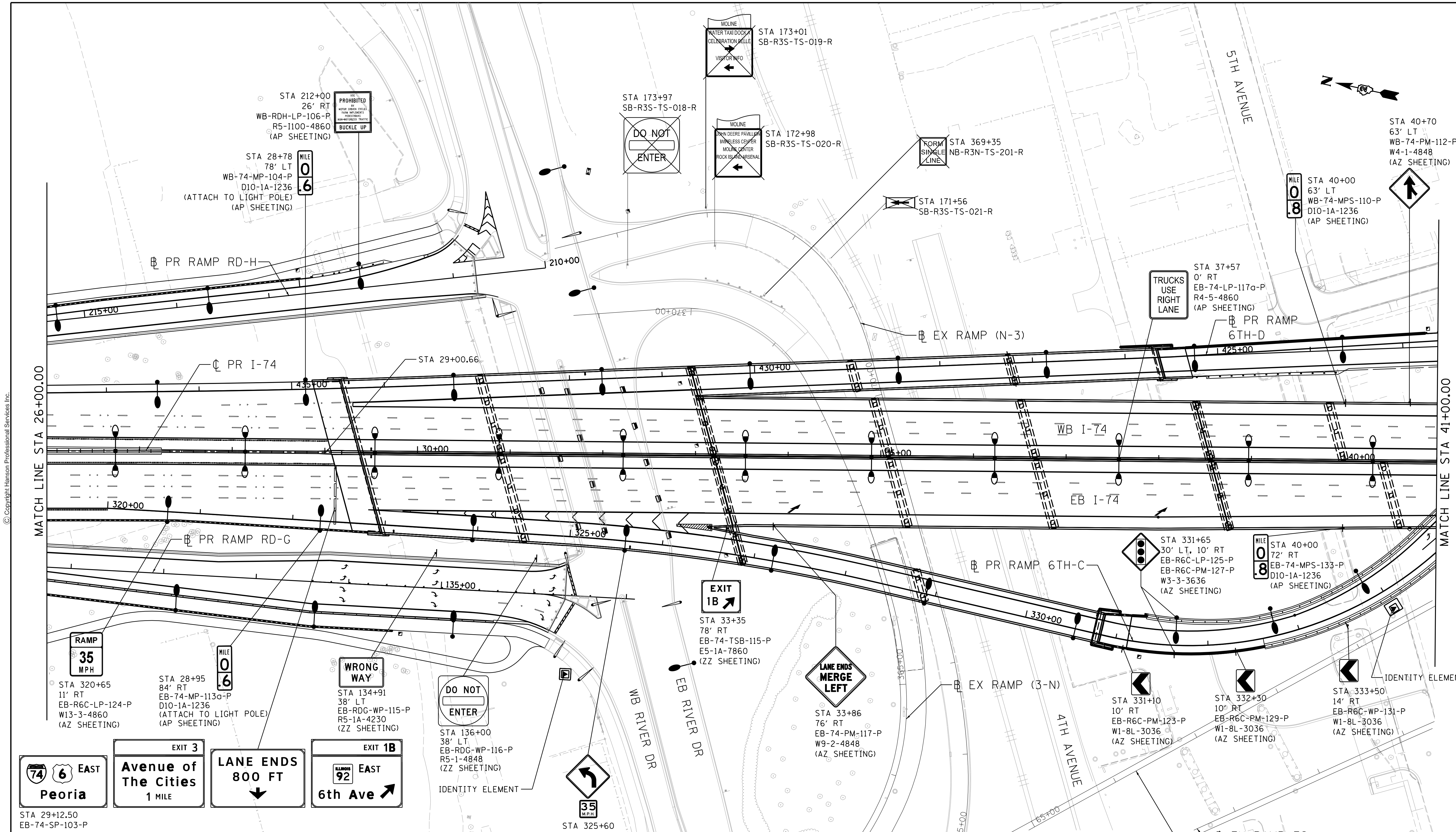
FILE NAME = D2CONAB-HPS-sht-sign010.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1" = 50'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
I-74 MAINLINE

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	535
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 50' 100'

SGN-11

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

FILE NAME = D2CONAB-HPS-sht-sign012.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1" = 50'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
I-74 MAINLINE
STA. 26+00 TO STA. 41+00

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. 26+00 TO STA. 41+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	536

CONTRACT NO. 64C08

ILLINOIS FED. AID PROJECT

HANSON

STA 48+00
WB-74-LP-001-R

TO BE REMOVED AND REPLACED WITH TRAFFIC SIGNAL

STA 420+75
21' RT
NB-R6D-WP-114-P
R5-1100-4860
(AP SHEETING)

STA 420+81
26' LT
NB-R6D-WP-116-P
NB-R6D-WP-118-P
NB-R6D-WP-120-P
NB-R6D-WP-122-P
R6-1L-5418 (AP SHEETING)
R6-1R-5418 (AP SHEETING)
(BACK TO BACK)
R5-1-4848 (ZZ SHEETING)
R4-7-2430 (AP SHEETING)

STA 336+00
44' LT
WB-R6C-WP-137-P
R5-1A-4230
(ZZ SHEETING)

STA 75+14
EB-R7N-TS-036-R

SEPARATE CONTRACT (BY OTHERS)

PROJECT ENDS
STA 49+03.54

℄ PR RAMP 6TH-D

℄ PR RAMP 7TH-A (BY OTHERS)

℄ EX RAMP (7-N)

420+00 | 645+00 | 640+00 | 80+00 | 635+00 | 50+00 | 45+00 | 55+00

PR I-74 WB

PR I-74 EB

PR ℄ I-74

MATCH LINE STA 41+00.00

335+00

STA 336+00
13' RT
WB-R6C-WP-139-P
R5-1A-4230
(ZZ SHEETING)

EX I-74

75+00 | 80+00

STA 72+76
EB-R7N-TS-035-R

STA 74+91
SB-R7S-TS-034-R

7TH AVENUE

℄ EX RAMP (S-7)

70+00 | 70+00

℄ PR RAMP 6TH-C

℄ EX RAMP (N-7)

STA 334+70
13' RT
EB-R6C-WP-135-P
W1-8L-3036
(AZ SHEETING)

STA 72+00
EB-R7S-LP-029-R

6TH AVENUE

19TH STREET

MOLINE
John Deere Pavilion
Riverwalk Trails
Visitor Info
Celebration Bells

STA 74+67
SB-R7S-WP-030-R
SB-R7S-WP-031-R

MOLINE
i-wireless CENTER
Moline Centre
Rock Island Arsenal

STA 74+65
SB-R7S-WP-032-R
SB-R7S-WP-033-R

℄ EX RAMP (7-S)

ROCK ISLAND ARSENAL
TOURIST INFO CENTER

STA 69+39
SB-R7S-LP-022-R
SB-R7S-LP-023-R
SB-R7S-LP-024-R
SB-R7S-LP-025-R

WELCOME TO
ILLINOIS
THE LAND OF LINCOLN
From the People of Illinois

EXIT 3
Avenue of the Cities
1 MILE

EXIT 2
7th Avenue

STA 42+59
EB-74-SP-026-R
EB-74-SP-027-R
EB-74-SP-028-R

NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 50' 100'

SGN-12

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

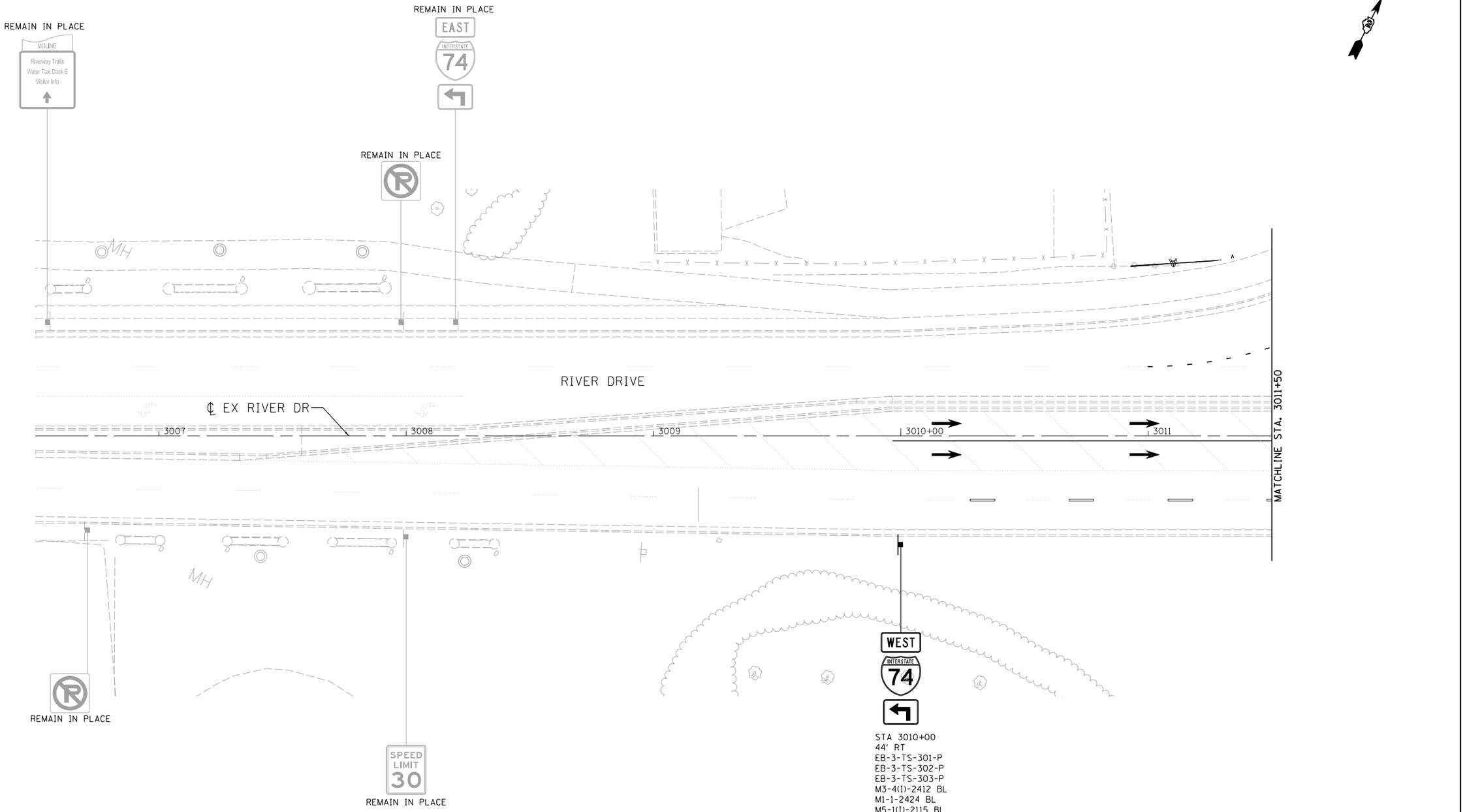
FILE NAME = D2CONAB-HPS-sht-sign013.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1' = 50'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
I-74 MAINLINE
STA. 41+00 TO STA. 56+00

SCALE: 1" = 50' | SHEET NO. OF SHEETS | STA. 41+00 | TO STA. 56+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	537
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



STA 3010+00
44' RT
EB-3-TS-301-P
EB-3-TS-302-P
EB-3-TS-303-P
M3-4(I)-2412 BL
M1-1-2424 BL
M5-1(I)-2115 BL
(AP SHEETING)

NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-13

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

FILE NAME = D2CONAB-HPS-sht-sgn017L.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1" = 20'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
RIVER DRIVE
STA. 3006 + 50 TO STA. 3011 + 50

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	538
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

HANSON

STA 3012+17
STA 3012+25
STA 3012+33
STA 3012+40
WB-3-TS-311L-R
WB-3-TS-311M-R
WB-3-TS-311N-R
WB-3-TS-311O-R
OM4-1-1818

STA 3012+53
STA 3012+64
STA 3012+75
WB-3-TS-311P-R
WB-3-TS-311Q-R
WB-3-TS-311R-R
OM4-1-1818

REMAIN IN PLACE
DO NOT ENTER

REMAIN IN PLACE
DO NOT ENTER

REMAIN IN PLACE
ONE WAY
ONE WAY
DO NOT ENTER

REMAIN IN PLACE
MOLINE
John Deere Pavilion
Wilderness CENTER
Moline Centre
Rock Island Arsenal

EXIT RAMP RD-G

STA 3014+88
12' LT
EB-3-TS-311A-R
R3-1-3030

STA 3015+86
78' LT
WB-3-TS-311B-R
R5-1-3636
DO NOT ENTER

STA 3015+91
STA 3016+00
STA 3016+09
STA 3016+19
WB-3-TS-311C-R
WB-3-TS-311D-R
WB-3-TS-311E-R
WB-3-TS-311F-R
OM4-1-1818

STA 3016+24
STA 3016+27
WB-3-TS-311G-R
WB-3-TS-311H-R
R5-1-3636
DO NOT ENTER

ENTRANCE RAMP RD-H

STA 3016+25
45' LT
WB-3-SM-308-P
WB-3-SM-309-P
WB-3-SM-310-P
M3-4(I)-2412 BL
M1-1-2424 BL
M6-1(I)-2115 BL
(AP SHEETING)
WEST
INTERSTATE 74

STA 3016+30
STA 3016+38
STA 3016+46
WB-3-TS-311I-R
WB-3-TS-311J-R
WB-3-TS-311K-R
OM4-1-1818

STA 3017+36
57' LT
WB-3-TS-312A-R
R3-1-3030

℄ EX 20TH ST

35+00

N

RIVER DRIVE

℄ EX RIVER DR

MATCHLINE STA. 3011+50

MATCHLINE STA. 3017+50

3012
3013
3014
3015+00
3016
3017

UPS

REMAIN IN PLACE

REMAIN IN PLACE

STA 3013+11
61' RT
EB-3-BS-304-R
INTERSTATE 74
6
WEST
Davenport

STA 3014+88
12.5' LT
EB-3-TS-305-P
R3-8MOD 3030 BL
(AP SHEETING)
ONLY ONLY

STA 3014+78
52.0' RT
EB-3-BS-306-P
GUIDE-132108
(ZZ SHEETING)
(SIGN PLACED WHEN EXISTING ENTRANCE RAMP (3-N) IS CLOSED AND PROPOSED RAMP RD-H IS OPENED)
74 6 WEST
Davenport

STA 3016+10
4' RT
EB-3-TS-307-RL
R4-7-2430
(AP SHEETING)
(SIGN RELOCATED FROM STA 3016+28)

RELOCATE SIGN

NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-14

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

FILE NAME = D2CONAB-HPS-sht-sign018L.dgn

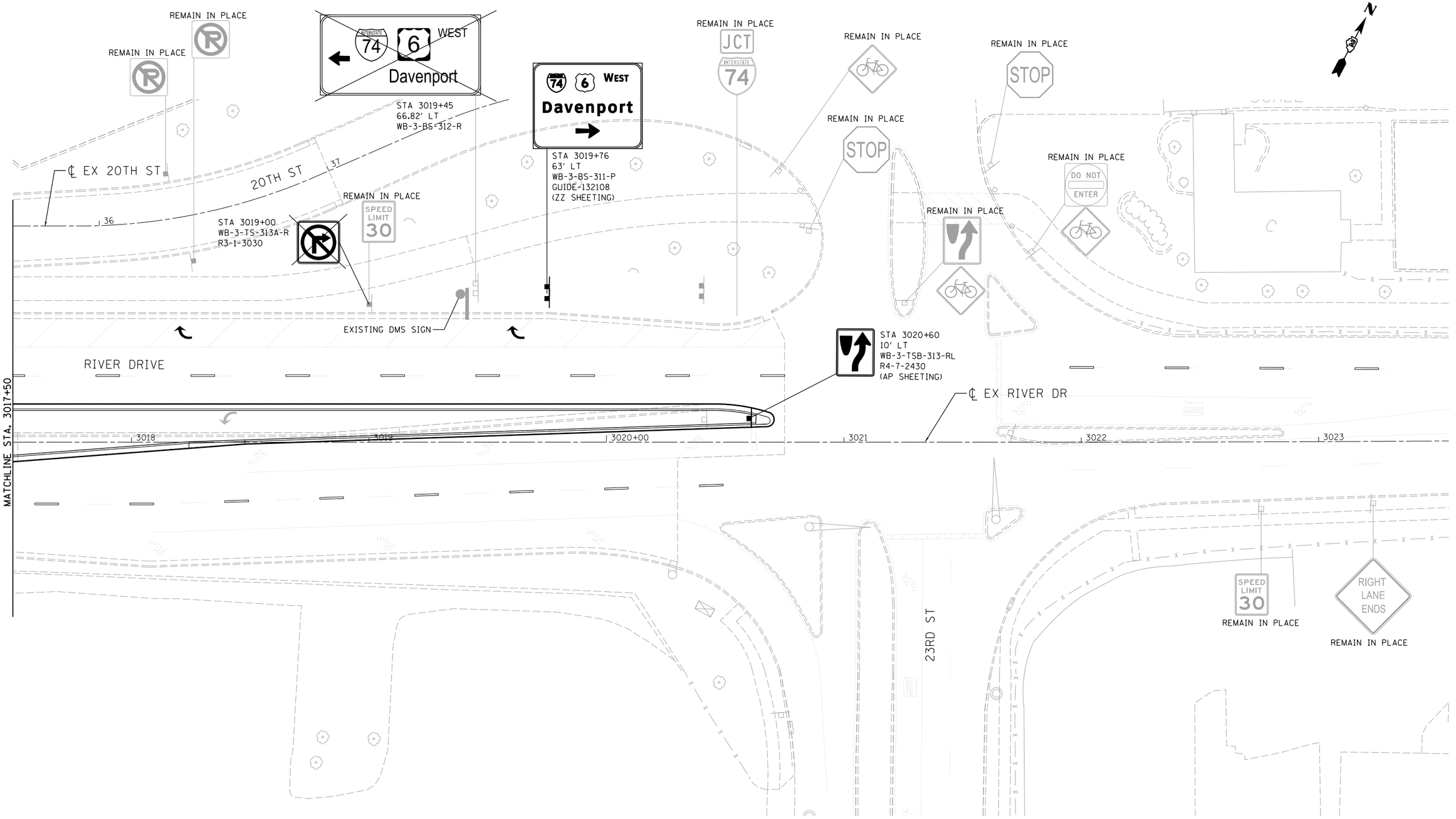
USER NAME = hehn01663	DESIGNED - MTH	REVISED -	
	DRAWN - MTH	REVISED -	
PLOT SCALE = 1" = 20'	CHECKED - CDM	REVISED -	
PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
RIVER DRIVE
STA. 3011+50 TO STA. 3017+50

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	539
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-15

HANSON

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/22/2016

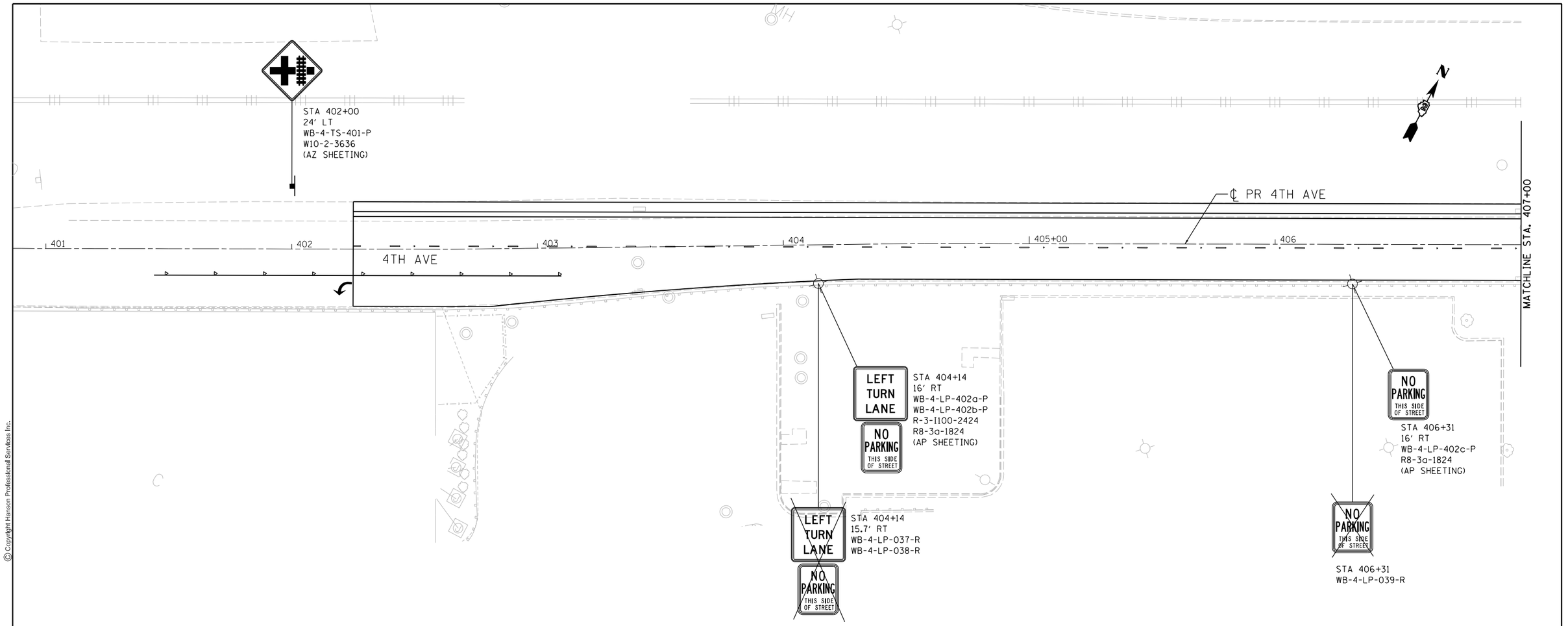
FILE NAME = D2CONAB-HPS-sht-sign019L.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1' = 20'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
RIVER DRIVE
STA. 3017+50 TO STA. 3021+92

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	540
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-16

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

FILE NAME = D2CONAB-HPS-sht-sign020.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1" = 20'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
4TH AVENUE

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. 401+00 TO STA. 407+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	541
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		

HANSON

MATCHLINE STA. 407+00

407 408 ℄ PR 4TH AVE 409 410+00 411 412

SPEED LIMIT 30
STA 409+80
24' LT
WB-4-TS-403-P
R2-1-3036
(AP SHEETING)

WEST ILLINOIS 92
STA 407+46
15' RT
WB-4-LP-402d-P
WB-4-LP-402e-P
M3-2-2412
M1-5-2424
(AP SHEETING)

WEST ILLINOIS 92 RIGHT LANE
STA 407+46
WB-4-LP-040-R
WB-4-LP-041-R
WB-4-LP-042-R

N

NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-17

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

FILE NAME = D2CONAB-HPS-sht-sign021.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1" = 20'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
4TH AVENUE

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. 407+00 TO STA. 412+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	542
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

HANSON

STA 8+48
SB-21-TS-221-R

NO PARKING
FIRE ZONE
TO CORNER

STA 9+54
SB-21-TS-225-R
SB-21-TS-226-R

21 Street
6 Ave

STA 9+66
SB-21-TS-227-R
SB-21-TS-228-R
SB-21-TS-229-R

STOP
ONE WAY
ONE WAY

DELINEATORS
(AT 20' CTS. TYP.)

℄ PR 6TH AVE

310+00

800ft

6TH AVE

DELINEATORS
(AT 20' CTS. TYP.)

STOP
STA 12+97
SB-21-TS-230-R

900ft

500ft

100+00

℄ PR 21ST ST

21 ST

25+00

℄ PR 21ST ST

STOP
STA 12+74
SB-21-TS-230A-R

STA 8+50
44' RT
NB-21-TS-402-P
OM4-1-1818
(ZZ SHEETING)

ROAD ENDS
STA 8+55
42' RT
NB-21-TS-403-P
R11-I100 3630
(AP SHEETING)

STA 8+60
40' RT
NB-21-TS-404-P
OM4-1-1818
(ZZ SHEETING)

NO OUTLET
STA 8+56
NB-21-TS-222-R

STOP
ONE WAY
STA 8+58
NB-21-TS-223-R
NB-21-TS-224-R

STA 9+70
34' RT
SB-21-TS-405-P
OM4-1-1818
(ZZ SHEETING)

ROAD ENDS
STA 9+76
39' RT
SB-21-TS-406-P
R11-I100 3630
(AP SHEETING)

STA 9+82
42' RT
SB-21-TS-407-P
OM4-1-1818
(ZZ SHEETING)

NO OUTLET
PLACE SIGN AT SW CORNER
OF 6TH AVE & 22ND ST
NB-21-TS-401-P
W14-2-3030
(AZ SHEETING)

DECK

22ND ST

NO OUTLET
PLACE SIGN AT NW CORNER
OF 5TH AVE & 22ND ST
STA 16+40
23' LT
SB-21-LP-408-P
W14-2-3030
(AZ SHEETING)

NOTE:

1. SEE SGN-09
   FOR SIGN SEQUENCE NUMBERING CODE.
2. OFFSETS TO CENTER OF SIGN.

NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-18

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/23/2016
REVIEWED	CDM	12/23/2016

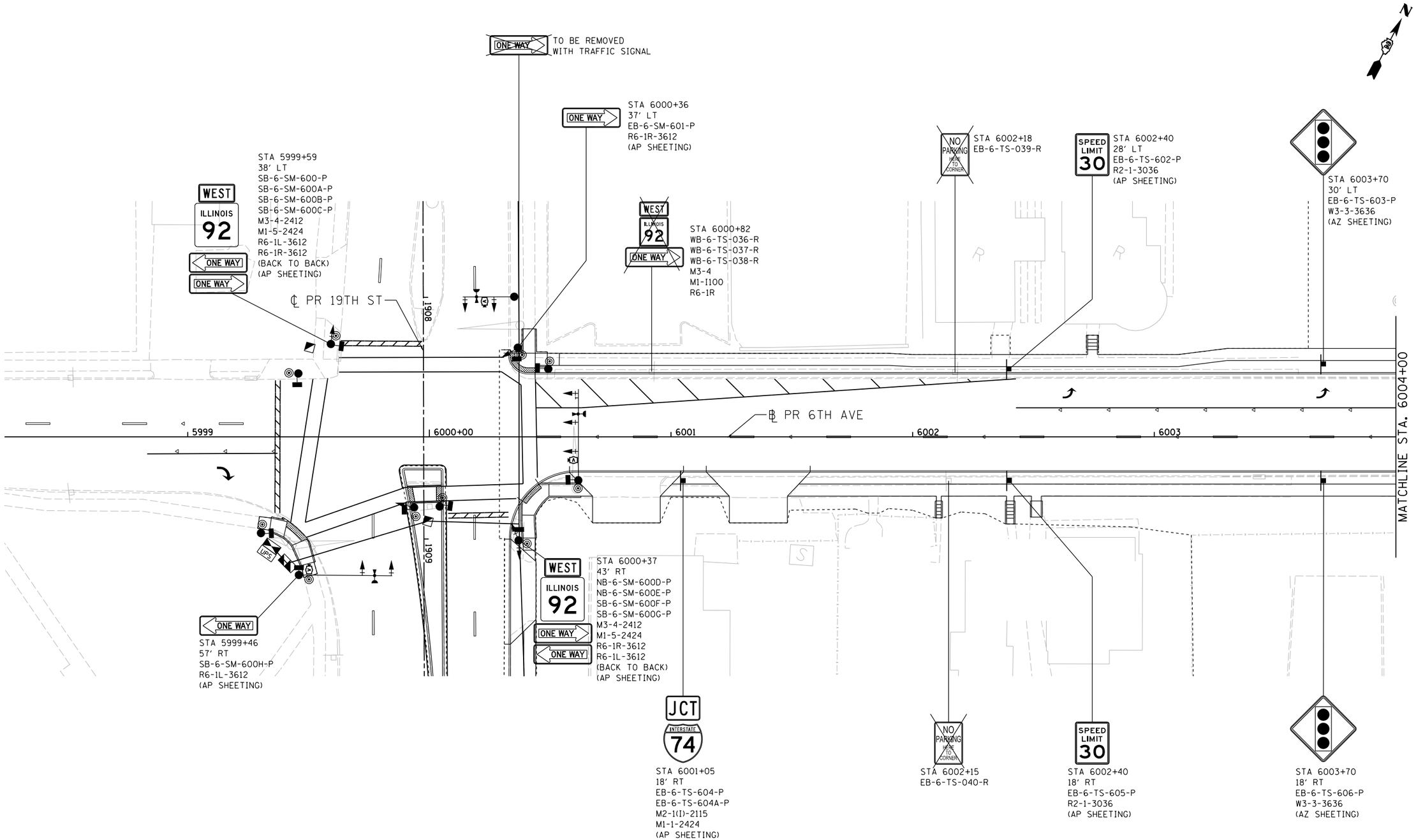
FILE NAME = D2CONAB-HPS-sht-sign035.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1' = 20'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
21ST STREET

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	543
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-19

HANSON

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

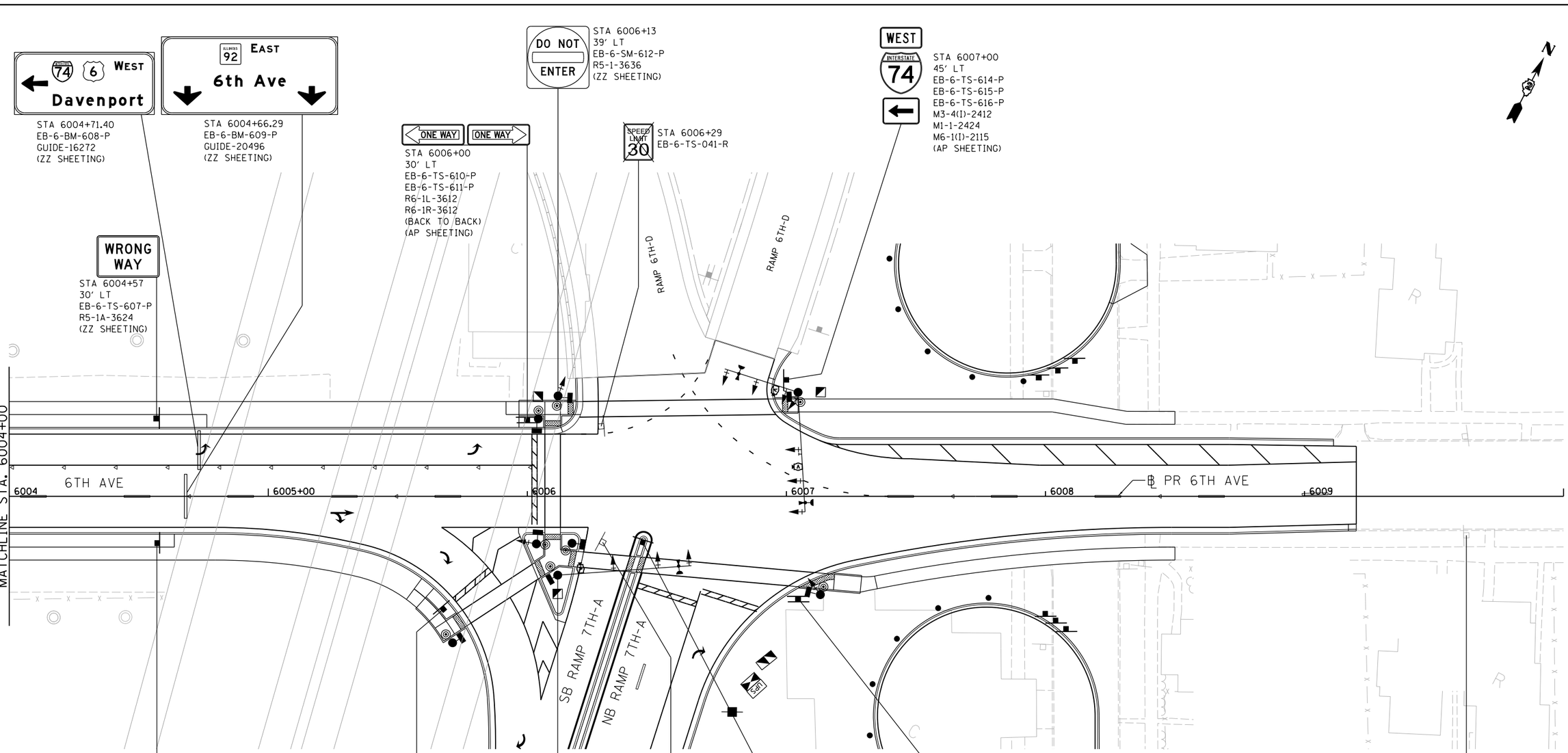
FILE NAME = D2CONAB-HPS-sht-sign022L.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1" = 20'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
6TH AVENUE
STA. 6000+00 TO STA. 6004+00

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. 6000+00 TO STA. 6004+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	544
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-20

HANSON

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

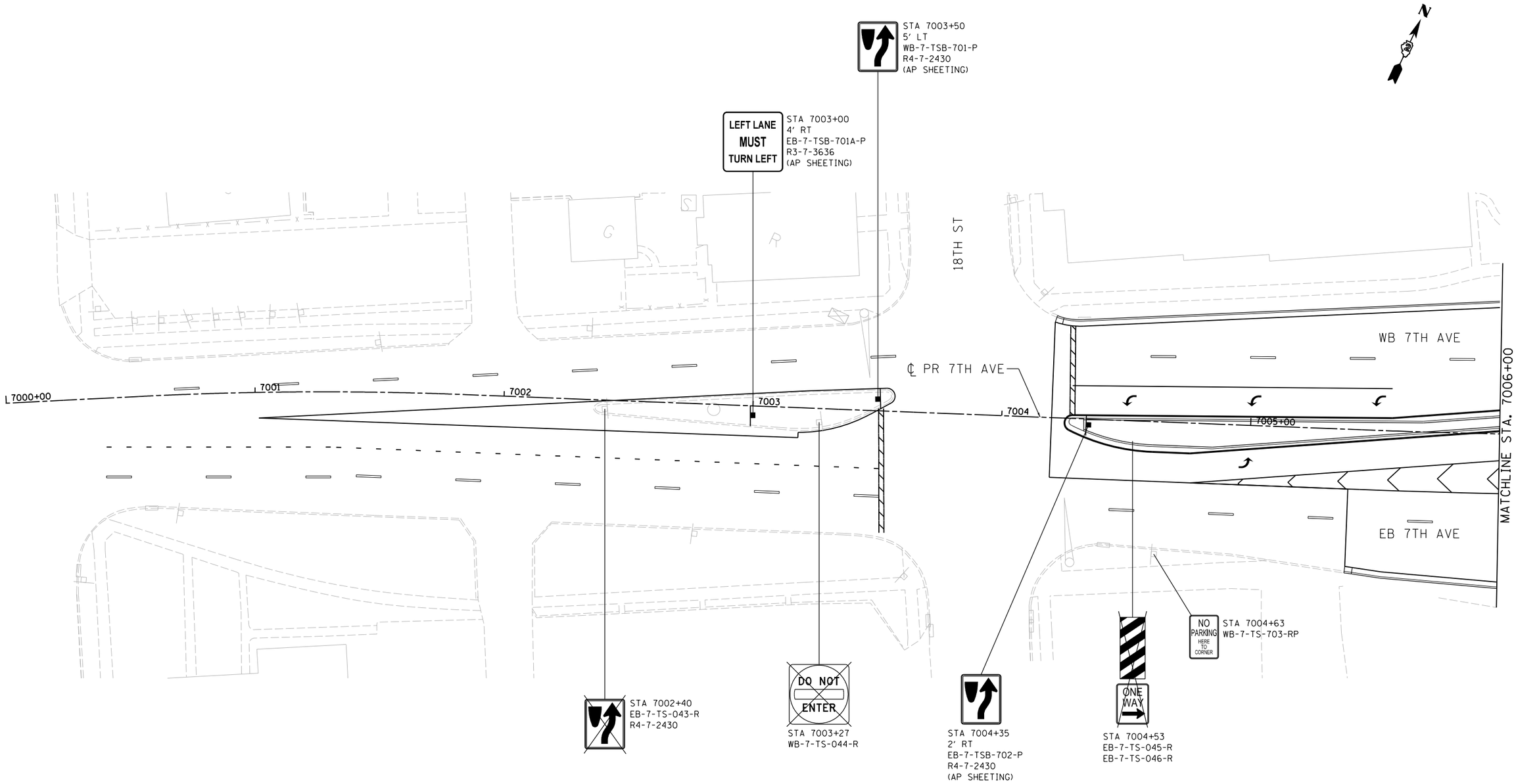
FILE NAME = D2CONAB-HPS-sht-sign023L.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1" = 20'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
6TH AVENUE
STA. 6004+00 TO STA. 6010+00

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. 6004+00 | TO STA. 6010+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	545
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-21

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/22/2016

FILE NAME = D2CONAB-HPS-sht-sign025L.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1' = 20'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
7TH AVENUE
STA. 7000+00 TO STA. 7006+00

SCALE: 1'' = 20' | SHEET NO. OF SHEETS | STA. 7000+00 | TO STA. 7006+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	546
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

HANSON

TO BE REMOVED AND REPLACED WITH TRAFFIC SIGNAL

LEFT ON GREEN ARROW ONLY

19 Street
LEFT TURN YIELD ON GREEN
TO BE REMOVED AND REPLACED WITH TRAFFIC SIGNAL

STA 7007+34
WB-7-TS-048-R

STA 7007+34
WB-7-TS-047-R
DO NOT ENTER

STA 7008+53
EB-7-TS-049-R
DO NOT ENTER

STA 7009+07
WB-7-SP-704-P
GUIDE-168108
(ZZ SHEETING)

MOLINE
i wireless CENTER
Moline Centre
Rock Island Arsenal
STA 7010+03
WB-7-TS-050-R
WB-7-TS-051-R

ROCK ISLAND ARSENAL
TO BE REMOVED WITH TRAFFIC SIGNAL

N

SB 19TH ST
NB 19TH ST
1911
1912
1913

MATCHLINE STA. 7006+00
MATCHLINE STA. 7012+00

WB 7TH AVE
℄ PR 7TH AVE
EB 7TH AVE

7006
7007
7008
7009
7010+00
7011

STA 7007+14
13' LT
WB-7-TSB-712-P
R4-7-2430
(AP SHEETING)

STA 7008+60
14' RT
EB-7-TSB-713-P
R4-7-2430
(AP SHEETING)

STA 7010+70
53' RT
EB-7-TS-714-P
W3-3-3636
(AZ SHEETING)

STA 7009+15
EB-7-TS-053-R
RIGHT TURN LANE

SPEED LIMIT 30
STA 7009+70
53' RT
EB-7-TS-711-P
R2-1-3036
(AP SHEETING)

USE PROHIBITED BY MOTOR DRIVEN CYCLES FARM IMPLEMENTS PEDESTRIANS NON-MOTORIZED TRAFFIC
BUCKLE UP!
STA 7010+17
EB-7-WP-055-R

USE PROHIBITED BY MOTOR DRIVEN CYCLES FARM IMPLEMENTS PEDESTRIANS NON-MOTORIZED TRAFFIC
BUCKLE UP!
STA 7011+05
EB-7-WP-056-R

LEFT TURN SIGNAL
TO BE REMOVED WITH TRAFFIC SIGNAL

℄ PR 19TH ST

TO 74 6 EAST
Galesburg
STA 7006+40
77.65' RT (TO ℄ OF FOUNDATION)
EB-7-CL-705-P
GUIDE-15096
(ZZ SHEETING)

NO PARKING HERE TO CORNER
STA 7006+18
EB-7-TS-052-R

19 Street
LEFT TURN YIELD ON GREEN
TO BE REMOVED AND REPLACED WITH TRAFFIC SIGNAL

74 6 WEST
Davenport
STA 7009+07
EB-7-SP-709-P
EB-7-SP-710-P
GUIDE-16272
GUIDE-20472
(ZZ SHEETING)

EAST
7th Ave

74 6 WEST
Davenport
EAST
7 th Ave
74 6 EAST
Galesburg
STA 7009+86
EB-7-SP-054-R

NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-22

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/23/2016
REVIEWED	CDM	12/23/2016

FILE NAME = D2CONAB-HPS-sht-sign026L.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1" = 20'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
7TH AVENUE
STA. 7006+00 TO STA. 7012+00

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. 7006+00 | TO STA. 7012+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	547
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

HANSON

TO BE REMOVED WITH TRAFFIC SIGNAL

USE PROHIBITED BY MOTOR DRIVEN CYCLES FARM IMPLEMENTS PEDESTRIANS NON-MOTORIZED TRAFFIC
BUCKLE UP!

STA 7012+76
NB-7-WP-057-R
STA 7013+37
NB-7-WP-058-R

TO BE REMOVED WITH TRAFFIC SIGNAL

LEFT TURN SIGNAL

RAMP 7TH-A

WEST
INTERSTATE 74

STA 7014+05
91' LT
WB-7-TS-715-P
WB-7-TS-716-P
WB-7-TS-717-P
M3-4(I)-2412
M1-1-2424
M6-1(I)-2115
(AP SHEETING)

EAST 74 6
Galesburg

STA 7014+60
WB-7-SP-718-P
WB-7-SP-719-P
WB-7-SP-720-P
GUIDE-15672
GUIDE-20472
GUIDE-156108
(ZZ SHEETING)

WEST
7th Ave

TO 74 6 WEST
Davenport

STA 7016+11
WB-7-TS-059-R
WB-7-TS-060-R

RIGHT TURN LANE
NO PARKING ANY TIME

LEFT TURN LANE
ONE WAY

STA 7016+69
WB-7-TS-061-R
WB-7-TS-062-R

SPEED LIMIT 30

STA 7016+80
43' LT
WB-7-TS-721-P
R2-1-3036
(AP SHEETING)

DO NOT ENTER

STA 7017+64
EB-7-TS-063-R

SIGN

WB 7TH AVE

℄ PR 7TH AVE

EB 7TH AVE

MATCHLINE STA. 7012+00

7012 7013 7014 7015+00 7016 7017

UPS

RAMP 7TH-A

STA 7016+91
5' RT
WB-7-TSB-725-P
R4-7-2430
(AP SHEETING)

ONE WAY

STA 7017+52
EB-7-TS-066-R

DO NOT ENTER

STA 7016+71
WB-7-TS-065-R

7TH AVE EB FACING
ONE WAY

7TH AVE WB FACING
ONE WAY

DO NOT ENTER

STA 7012+69
53' RT
EB-7-TS-722-P
EB-7-TS-723-P
EB-7-TS-724-P
R6-1L-3612 (AP SHEETING)
R6-1R-3612 (AP SHEETING)
(BACK TO BACK)
R5-1-4848 (ZZ SHEETING)

EAST 74 6 EAST
Galesburg

EAST
7 th Ave

74 6 WEST
Davenport

STA 7013+85
WB-7-SP-064-R

NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-23

	MTH	5/15/2015
	MTH	11/3/2016
	CDM	12/23/2016

LAYOUT	DRAWN	REVIEWED

FILE NAME = D2CONAB-HPS-sht-sign027L.dgn

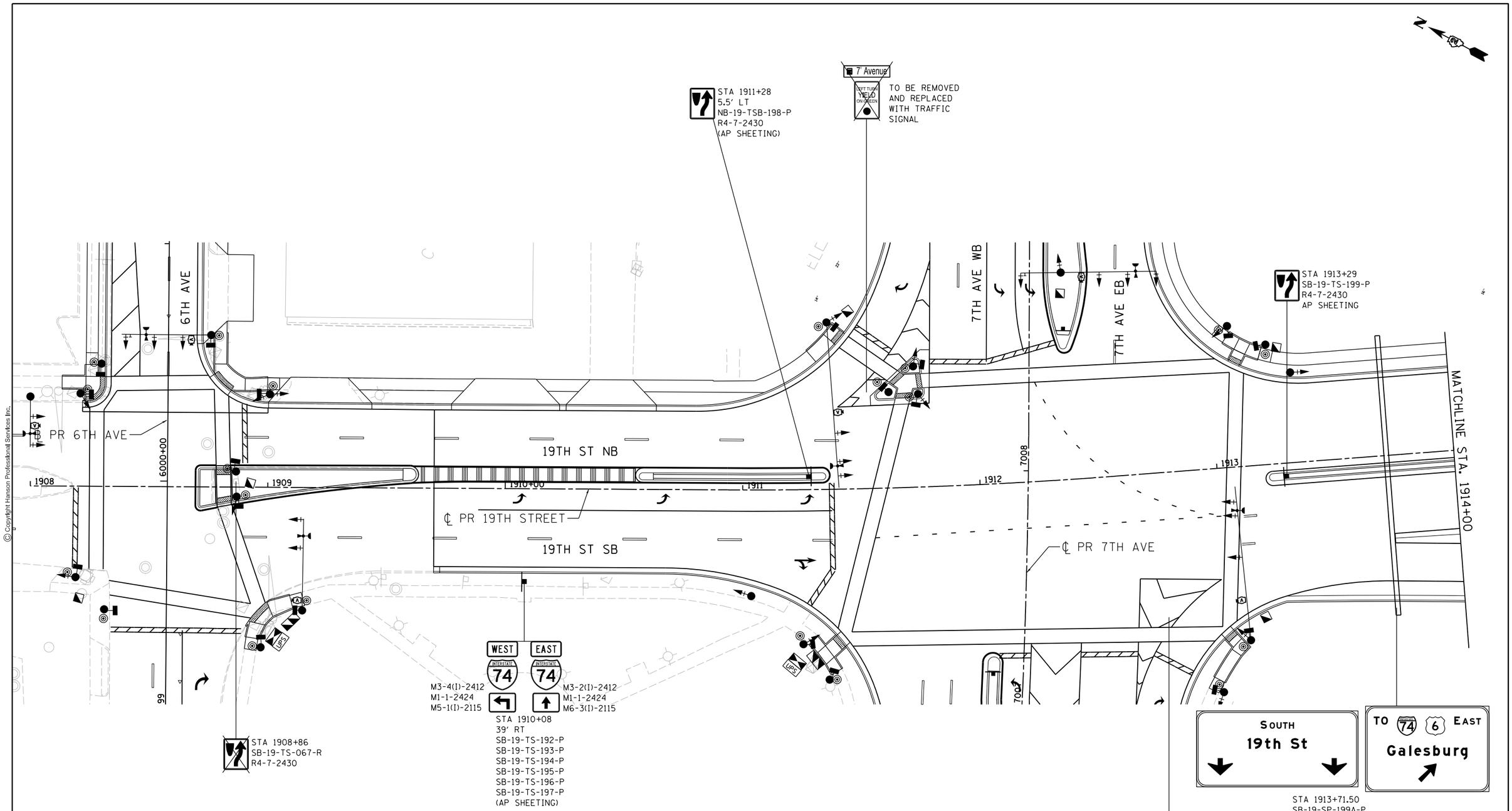
USER NAME = hehn01663	DESIGNED - MTH	REVISED -	
	DRAWN - MTH	REVISED -	
PLOT SCALE = 1" = 20'	CHECKED - CDM	REVISED -	
PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
7TH AVENUE
STA. 7012+00 TO STA. 7018+00

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. 7012+00 TO STA. 7018+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	548
		CONTRACT NO. 64C08		
		ILLINOIS	FED. AID PROJECT	



NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-24

HANSON

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/22/2016

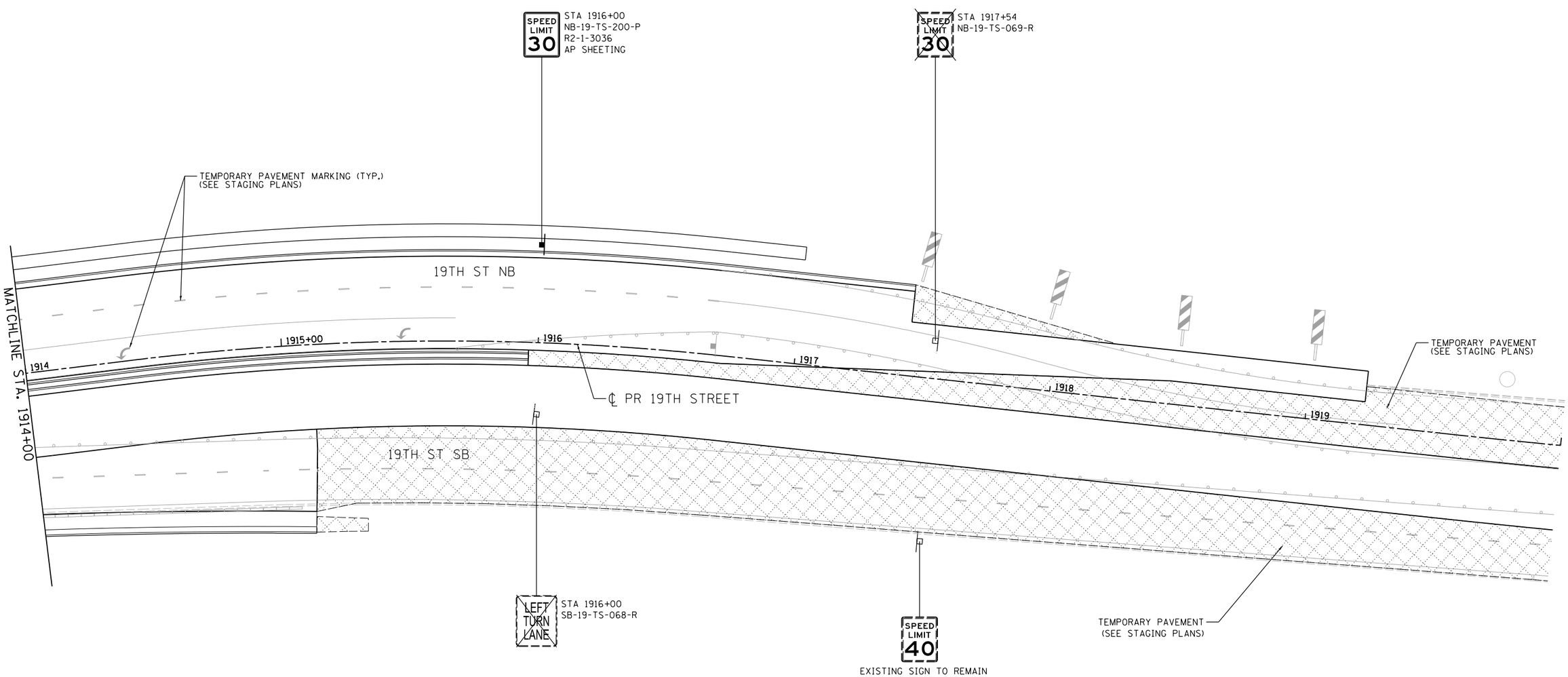
FILE NAME = D2CONAB-HPS-sht-sign029L.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1' = 20'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
19TH AVENUE
STA. 1908+00 TO STA. 1914+00

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. 1908+00 TO STA. 1914+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	549
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. SEE SGN-09 FOR SIGN SEQUENCE NUMBERING CODE.
2. STA & OFFSETS TO CENTER OF SIGN.
3. SEE TRAFFIC SIGNAL SHEETS FOR PLACEMENT OF PROPOSED SIGNS ON NEW TRAFFIC SIGNALS.

SCALE: 0 20' 40'

SGN-25

LAYOUT	MTH	1/6/2017
DRAWN	MTH	1/6/2017
REVIEWED	CDM	1/9/2017

FILE NAME = D2CONAB-HPS-sht-sign30L.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE = 1" = 20'	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

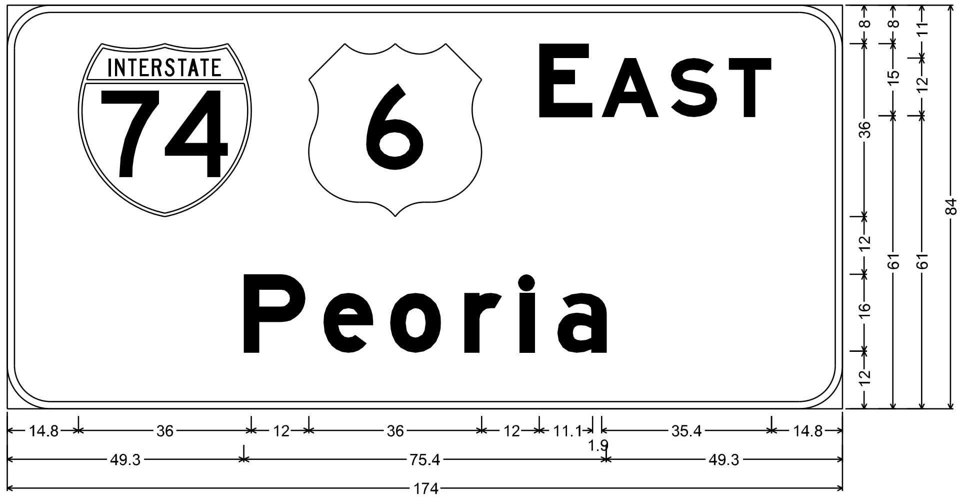
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
19TH AVENUE
STA. 1914+00 TO STA. 1920+00

SCALE: 1" = 20' | SHEET NO. OF SHEETS | STA. 1914+00 | TO STA. 1920+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	550
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

STA 29+12.50
EB-74-SP-103-P

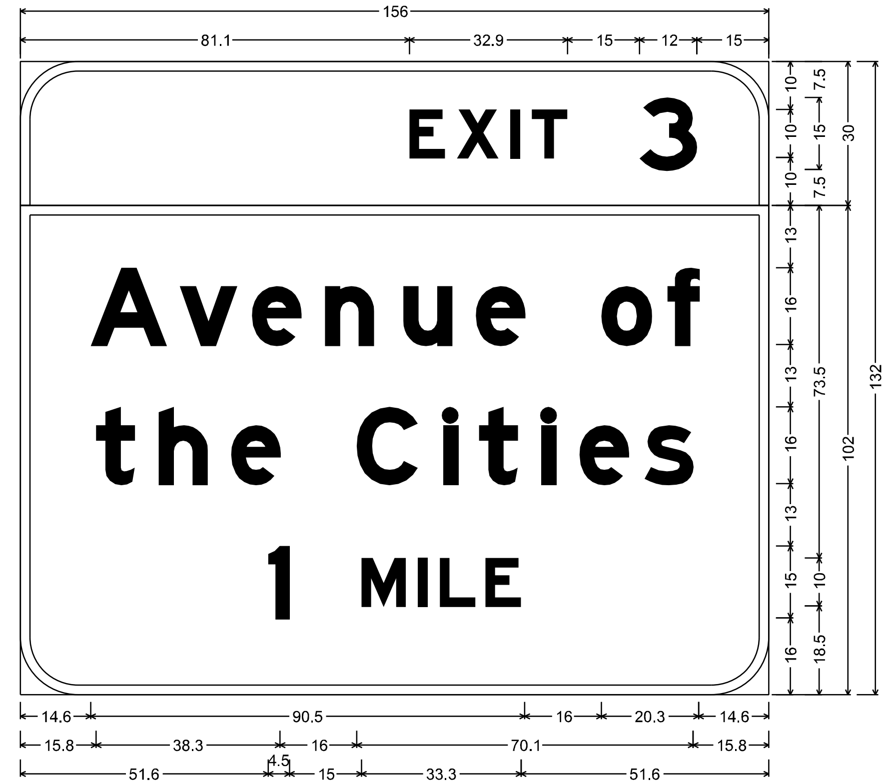


9.0" Radius, 1.5" Border, White on Green;
[EAST] E Mod; [Peoria] E Mod;
Table of widths and spaces.

	I-74		US 6		E		A		S		T	
14.8	36.0	12.0	36.0	12.0	11.1	1.9	12.0	2.5	9.5	2.5	8.9	14.8

	P		e		o		r		i		a	
49.3	12.7	3.9	10.2	3.7	10.5	4.9	7.8	3.7	3.0	4.9	10.1	49.3

STA 29+12.50
EB-74-SP-105-P



E1-5P(3)_138x30; 12.0" Radius, 2.0" Border, White on Green;
[EXIT] E Mod 120% spacing; [3] E Mod;
12.0" Radius, 2.0" Border, White on Green;
[Avenue of] E Mod; [the Cities] E Mod; [1 MILE] E Mod;
Table of widths and spaces.

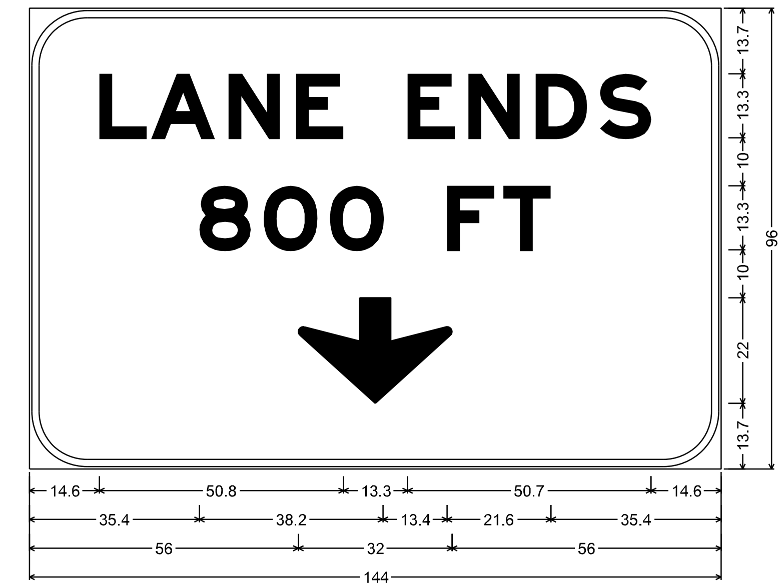
	E		X		I		T		3	
81.1	7.4	2.5	8.7	2.4	2.0	2.5	7.4	15.0	12.0	15.0

	A		v		e		n		u		e		o		f	
14.6	16.0	2.6	11.9	3.1	10.2	5.1	10.2	6.1	10.2	4.9	10.2	16.0	10.5	3.3	6.5	14.6

	t		h		e		C		i		t		i		e		s	
15.8	8.0	5.0	10.2	4.9	10.2	16.0	12.8	5.2	3.0	4.5	8.0	5.0	3.0	4.9	10.2	3.4	10.1	15.8

	1		M		I		L		E	
51.6	4.5	15.0	9.2	2.6	2.0	2.5	7.5	2.0	7.5	51.6

STA 29+12.50
EB-74-SP-107-P



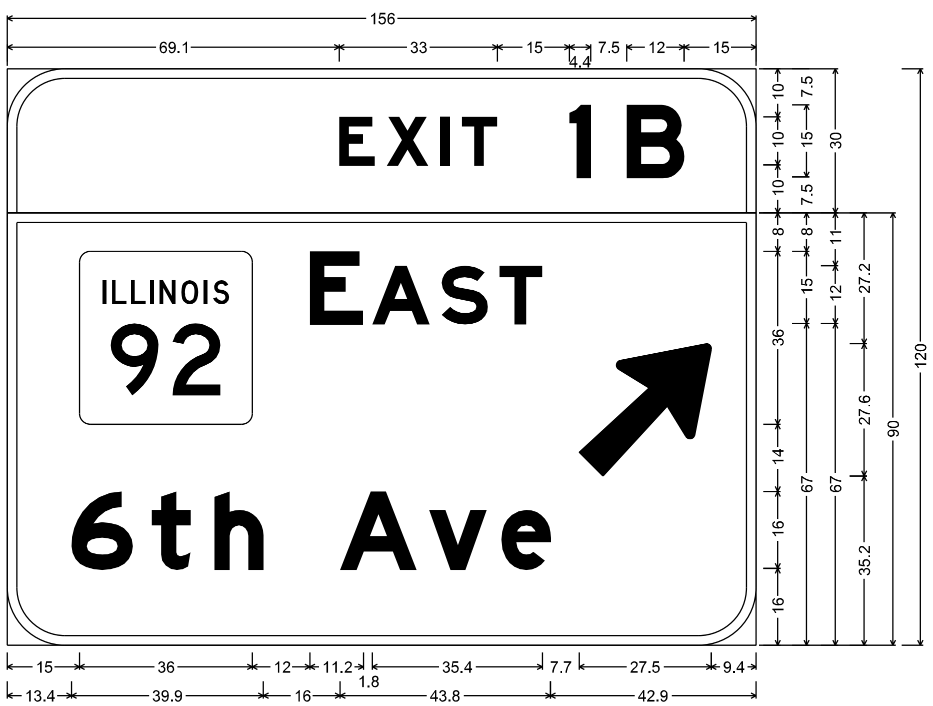
12.0" Radius, 1.5" Border, 0.5" Indent, Black on Yellow;
[LANE ENDS] E Mod; [800 FT] E Mod; Down Arrow 22.0" 270°;
Table of widths and spaces.

	L		A		N		E		E		N		D		S	
14.6	9.9	0.9	13.3	2.8	10.6	3.4	9.9	13.3	9.9	2.8	10.6	3.4	10.7	2.7	10.6	14.6

	8		0		0		F		T	
35.4	10.6	2.8	11.0	2.8	11.0	13.4	9.9	1.8	9.9	35.4

	↓	
56.0	32.0	56.0

STA 29+12.50
EB-74-SP-109-P

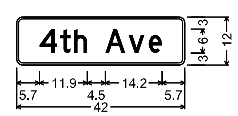


E1-5P(3)_138x30; 12.0" Radius, 2.0" Border, White on Green;
[EXIT] E Mod 120% spacing; [1 B] E Mod;
12.0" Radius, 2.0" Border, White on Green;
[EAST] E Mod; [6th Ave] E Mod; Arrow 160 - 35.0" 45°;
Table of widths and spaces.

	E		X		I		T		1		B	
69.1	7.5	2.4	8.7	2.5	2.0	2.5	7.4	15.0	4.4	7.5	12.0	15.0

	IL 92		E		A		S		T		↗	
15.0	36.0	12.0	11.2	1.8	12.0	2.5	9.6	2.4	8.9	7.7	27.5	9.4

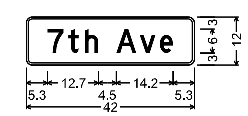
	6		t		h		A		v		e	
13.4	12.7	4.0	8.0	5.0	10.2	16.0	16.0	2.6	11.9	3.1	10.2	42.9



D-3;
1.5" Radius, 0.5" Border, White on Green;
[] C;
[4th] D 50% spacing;
[Ave] D;
Table of widths and spaces.

	4		t		h
5.7	4.4	0.8	2.6	0.8	3.3

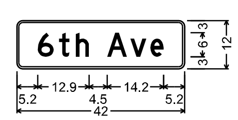
	A		v		e	
4.5	5.1	0.8	4.0	1.0	3.3	5.7



D-3;
1.5" Radius, 0.5" Border, White on Green;
[] C; [7th] D; [Ave] D;
Table of widths and spaces.

	7		t		h
5.3	4.0	1.2	2.6	1.6	3.3

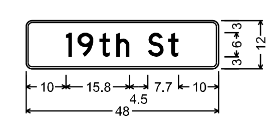
	A		v		e	
4.5	5.0	0.8	4.0	1.0	3.4	5.3



D-3;
1.5" Radius, 0.5" Border, White on Green;
[] C; [6th] D; [Ave] D;
Table of widths and spaces.

	6		t		h
5.2	4.1	1.2	2.6	1.6	3.4

	A		v		e	
4.5	5.0	0.8	4.0	1.0	3.4	5.2

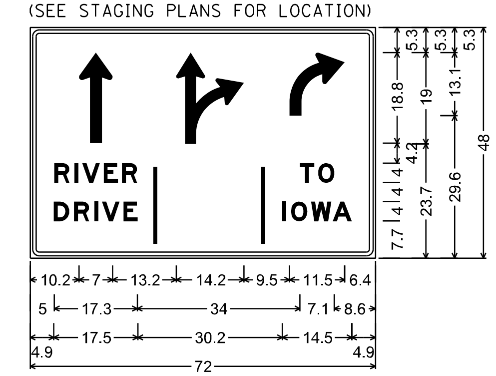


D-3;
1.5" Radius, 0.5" Border, White on Green;
[] C; [19th] D; [St] D;
Table of widths and spaces.

	1		9		t		h
10.0	1.4	1.4	4.0	1.5	2.6	1.6	3.3

	S		t	
4.5	4.1	1.0	2.6	10.0

TEMPORARY INFORMATION SIGNING
(SEE STAGING PLANS FOR LOCATION)



1.9" Radius, 0.8" Border, 0.5" Indent, Black on White;
C h=18.875, s=2.5;
R3-6L left double headed arrow ir=14.5, s=3.5;
ER ir=5.813, s=2.5; [RIVER] E Mod;
[TO] E Mod; [DRIVE] E Mod;
[IOWA] E Mod;
Table of widths and spaces.

	↑		↱		↱	
10.2	7.0	13.2	14.2	9.5	11.5	6.4

	R		I		V		E		R
5.0	3.2	1.0	0.8	0.9	3.6	0.8	3.0	0.8	3.2

	T		O	
34.0	2.9	0.9	3.3	8.6

	D		R		I		V		E
4.9	3.2	1.0	3.2	1.1	0.8	0.8	3.6	0.9	2.9

	I		O		W		A	
30.2	0.8	1.0	3.4	0.8	4.2	0.3	4.0	4.9

NOTE: ALL DIMENSIONS ARE IN INCHES.

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

SGN-26

FILE NAME = D2CONAB-HPS-sht-sign037.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

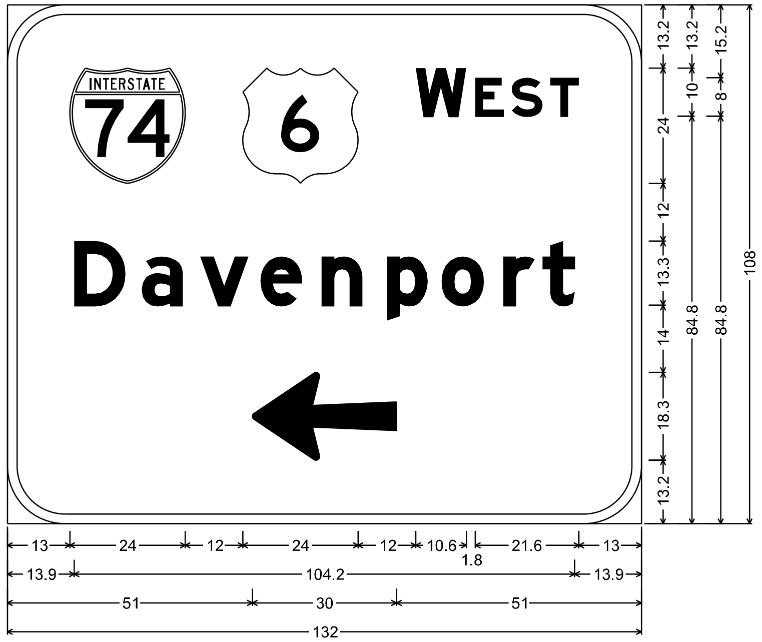
SIGNING PLANS
SIGN PANEL DETAILS

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	551

CONTRACT NO. 64C08
ILLINOIS FED. AID PROJECT

STA 3014+78
EB-3-BS-306-P



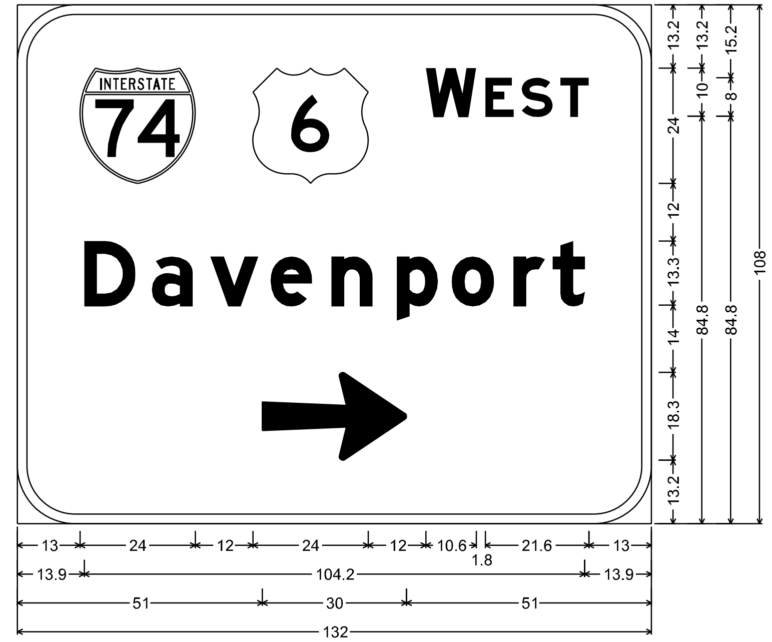
12.0" Radius, 2.0" Border, White on Green;
[WEST] E Mod; [Davenport] E Mod; Arrow 133 - 30.0" 180°;
Table of widths and spaces.

13.0	(74) 24.0	12.0	(6) 24.0	12.0	W 10.6	1.8	E 6.0	1.6	S 6.4	1.6	T 6.0	13.0	

13.9	D 10.6	3.5	a 8.4	3.8	v 9.9	2.6	e 8.5	4.2	n 8.5	5.1	p 8.5	2.9	o 8.8	4.1	r 6.5	1.6	t 6.7	13.9	

51.0	⇦ 30.0	51.0

STA 3019+76
WB-3-BS-311-P



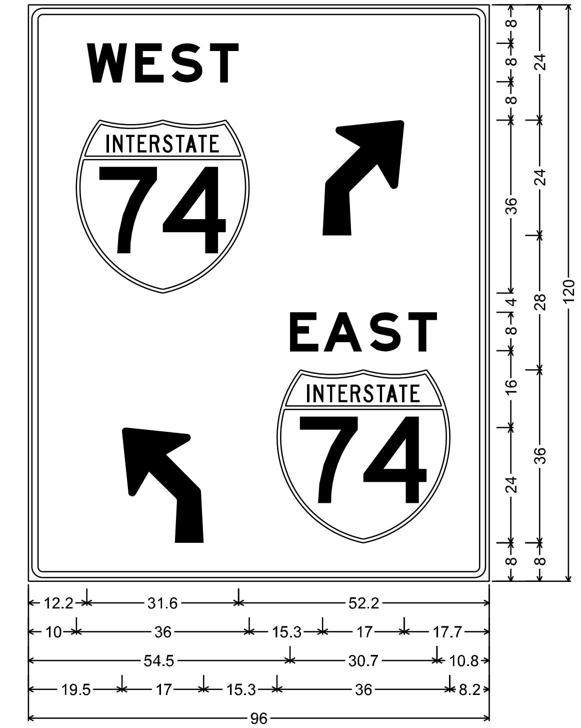
12.0" Radius, 2.0" Border, White on Green;
[WEST] E Mod; [Davenport] E Mod; Arrow 133 - 30.0" 0°;
Table of widths and spaces.

13.0	(74) 24.0	12.0	(6) 24.0	12.0	W 10.6	1.8	E 6.0	1.6	S 6.4	1.6	T 6.0	13.0

13.9	D 10.6	3.5	a 8.4	3.8	v 9.9	2.6	e 8.5	4.2	n 8.5	5.1	p 8.5	2.9	o 8.8	4.1	r 6.5	1.6	t 6.7	13.9

51.0	⇨ 30.0	51.0

TEMPORARY INFORMATION SIGNING
(SEE STAGING PLANS FOR LOCATION)



3.0" Radius, 1.3" Border, 0.8" Indent, Black on Orange;
[WEST] White E Mod;
45 Deg Advanced Turn Arrow 17.0" X 24.0";
[EAST] White E Mod;
45 Deg Advanced Turn Arrow 17.0" X 24.0";
Table of widths and spaces.

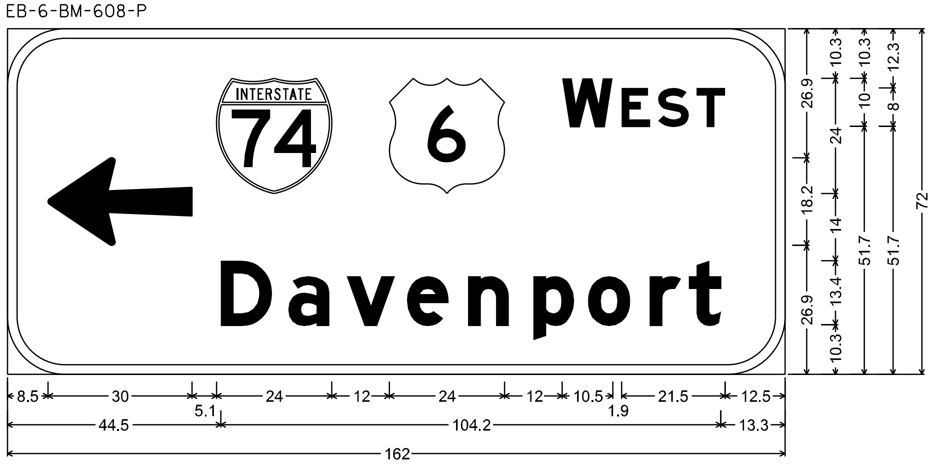
12.2	W 8.4	1.7	E 5.9	1.7	S 6.3	1.7	T 5.9	52.2

10.0	(74) 36.0	15.3	↱ 17.0	17.7

54.5	E 5.9	1.1	A 8.0	1.7	S 6.4	1.6	T 6.0	10.8

19.5	↰ 17.0	15.3	(74) 36.0	8.2

STA 6004+71.40
EB-6-BM-608-P

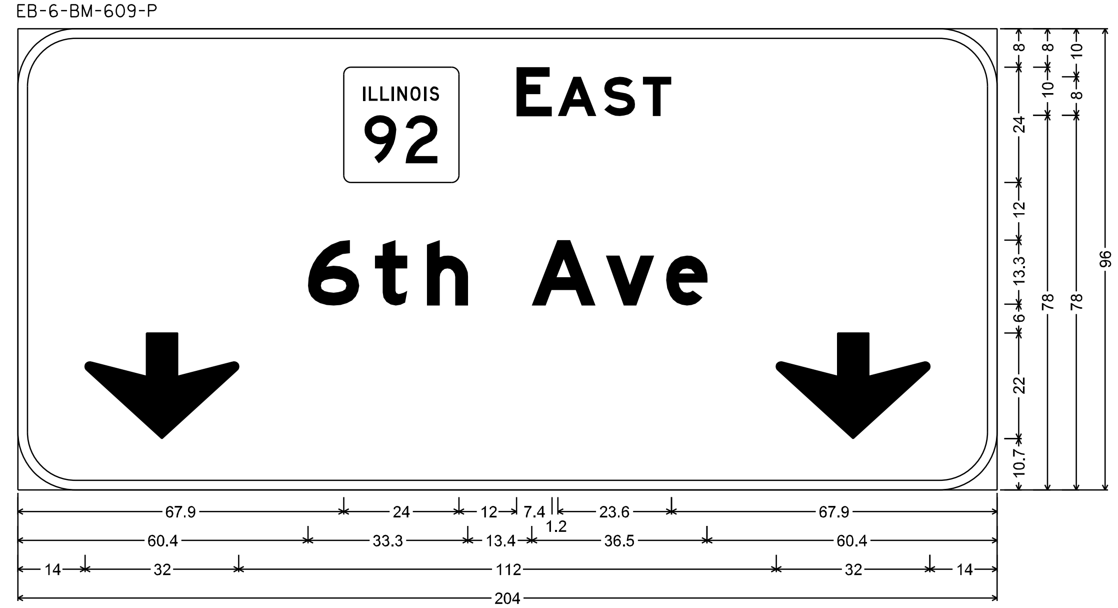


12.0" Radius, 2.0" Border, White on Green;
Arrow 133 - 30.0" 180°; [WEST] E Mod; [Davenport] E Mod;
Table of widths and spaces.

8.5	⇦ 30.0	5.1	(74) 24.0	12.0	(6) 24.0	12.0	W 10.5	1.9	E 5.9	1.7	S 6.3	1.7	T 5.9	12.5

44.5	D 10.6	3.4	a 8.5	3.7	v 10.0	2.6	e 8.5	4.2	n 8.5	5.1	p 8.5	2.9	o 8.7	4.1	r 6.5	1.7	t 6.7	13.3

STA 6004+66.29
EB-6-BM-609-P



12.0" Radius, 2.0" Border, White on Green;
[EAST] E Mod; [6th Ave] E Mod; Down Arrow 22.0" 270°; Down Arrow 22.0" 270°;
Table of widths and spaces.

67.9	(92) 24.0	12.0	E 7.4	1.2	A 8.0	1.7	S 6.3	1.7	T 5.9	67.9

60.4	6 10.7	3.3	t 6.7	4.1	h 8.5	13.4	A 13.3	2.1	v 10.0	2.6	e 8.5	60.4	

14.0	⇩ 32.0	112.0	⇩ 32.0	14.0

NOTE: ALL DIMENSIONS ARE IN INCHES.

SGN-27

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

FILE NAME = D2CONAB-HPS-sht-sign040.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

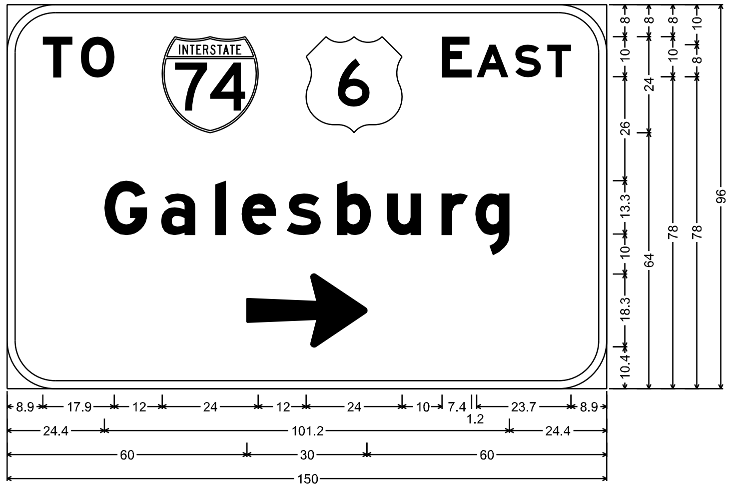
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN PANEL DETAILS

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	552
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

STA 7006+40
EB-7-CL-705-P



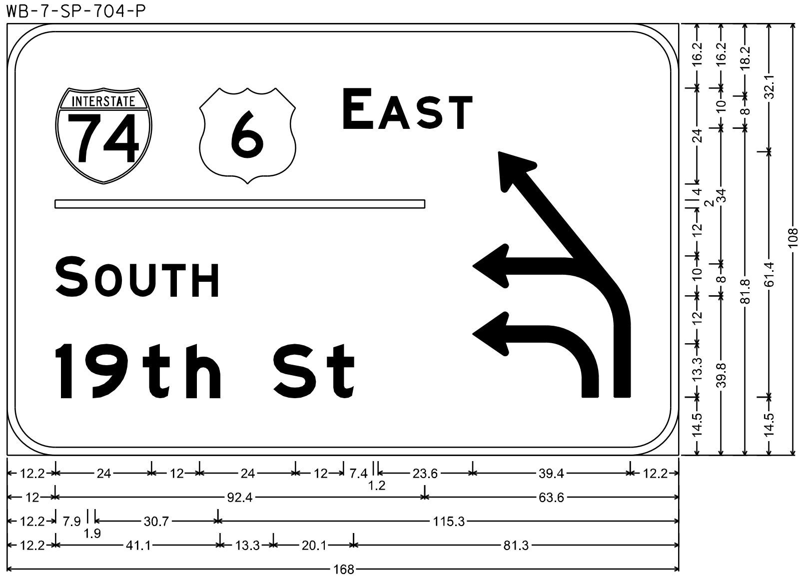
12.0" Radius, 2.0" Border, White on Green;
[TO] E Mod; [EAST] E Mod; [Galesburg] E Mod; Arrow 133 - 30.0" 0°;
Table of widths and spaces.

	T		O		74		6		E		A		S		T	
8.9	7.5	2.0	8.4	12.0	24.0	12.0	24.0	10.0	7.4	1.2	8.0	1.7	6.4	1.6	6.0	8.9

	G		a		l		e		s		b		u		r		g	
24.4	10.6	3.5	8.5	5.1	2.5	4.1	8.5	2.8	8.4	4.1	8.5	4.1	8.5	5.1	6.5	1.9	8.5	24.4

	⇨	
60.0	30.0	60.0

STA 7009+07
WB-7-SP-704-P



12.0" Radius, 2.0" Border, White on Green;
[EAST] E Mod; [SOUTH] E Mod; [19th St] E Mod; ARROW 2;
Table of widths and spaces.

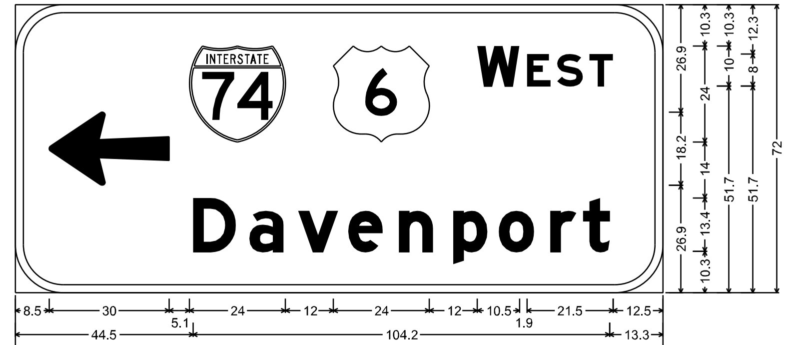
	74		6		E		A		S		T		arrow	
12.2	24.0	12.0	24.0	12.0	7.4	1.2	8.0	1.7	6.3	1.7	5.9	0.0	39.4	12.2

	—	
12.0	92.4	63.6

	S		O		U		T		H	
12.2	7.9	1.9	6.7	2.0	6.4	1.6	6.0	1.6	6.4	115.3

	1		9		t		h		S		t	
12.2	3.9	3.4	10.7	3.7	6.7	4.2	8.5	13.3	10.6	2.8	6.7	81.3

STA 7009+07
EB-7-SP-709-P

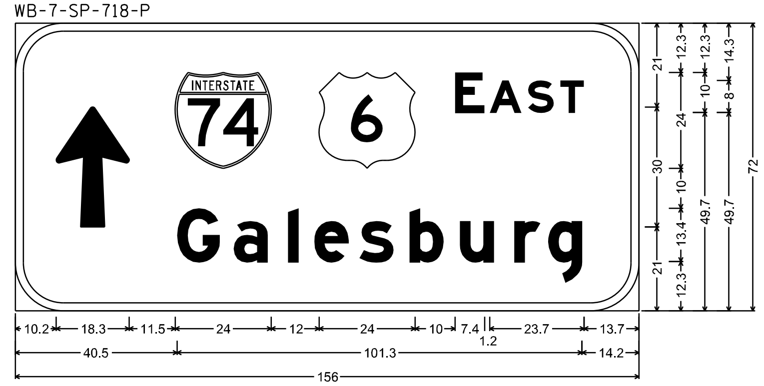


12.0" Radius, 2.0" Border, White on Green;
Arrow 133 - 30.0" 180°; [WEST] E Mod; [Davenport] E Mod;
Table of widths and spaces.

	⇦		74		6		W		E		S		T	
8.5	30.0	5.1	24.0	12.0	24.0	12.0	10.5	1.9	5.9	1.7	6.3	1.7	5.9	12.5

	D		a		v		e		n		p		o		r		t	
44.5	10.6	3.4	8.5	3.7	10.0	2.6	8.5	4.2	8.5	5.1	8.5	2.9	8.7	4.1	6.5	1.7	6.7	13.3

STA 7014+60
WB-7-SP-718-P

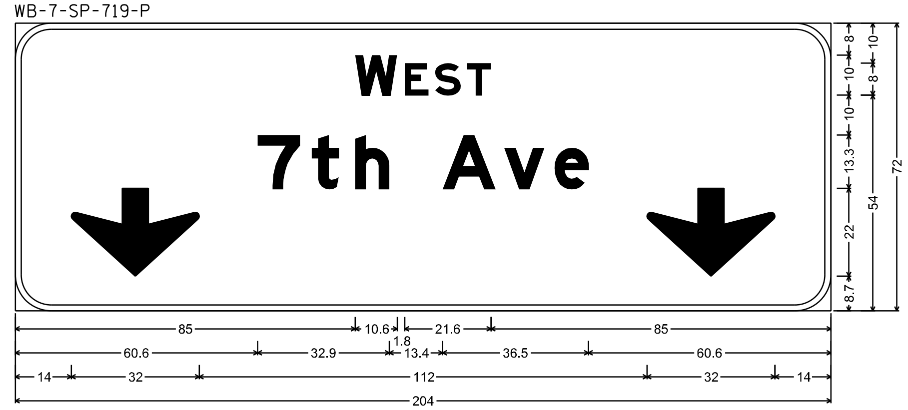


12.0" Radius, 2.0" Border, White on Green;
Arrow 133 - 30.0" 90°; [EAST] E Mod; [Galesburg] E Mod;
Table of widths and spaces.

	⇧		74		6		E		A		S		T	
10.2	18.3	11.5	24.0	12.0	24.0	10.0	7.4	1.2	8.0	1.7	6.4	1.6	6.0	13.7

	G		a		l		e		s		b		u		r		g	
40.5	10.6	3.5	8.5	5.1	2.5	4.1	8.5	2.8	8.4	4.1	8.5	4.1	8.5	5.1	6.5	2.0	8.5	14.2

STA 7014+60
WB-7-SP-719-P



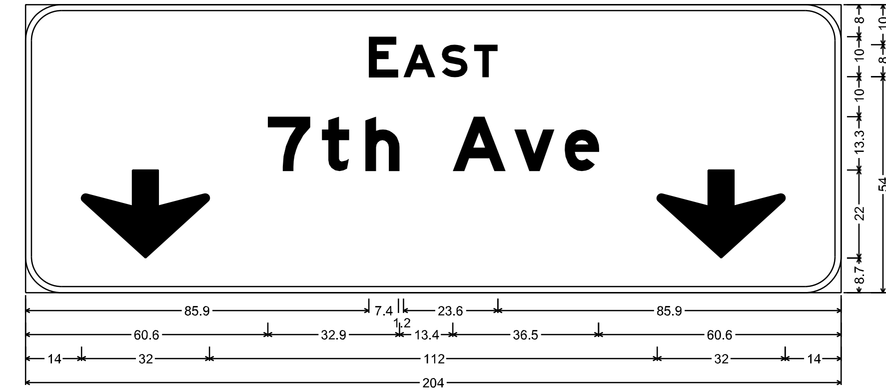
9.0" Radius, 1.5" Border, White on Green;
[WEST] E Mod; [7th Ave] E Mod; Down Arrow 22.0" 270°; Down Arrow 22.0" 270°;
Table of widths and spaces.

	W		E		S		T	
85.0	10.6	1.8	6.0	1.6	6.4	1.6	6.0	85.0

	7		t		h		A		v		e	
60.6	10.7	2.9	6.6	4.2	8.5	13.4	13.3	2.1	10.0	2.6	8.5	60.6

	⇩		⇩	
14.0	32.0	112.0	32.0	14.0

STA 7009+07
EB-7-SP-710-P



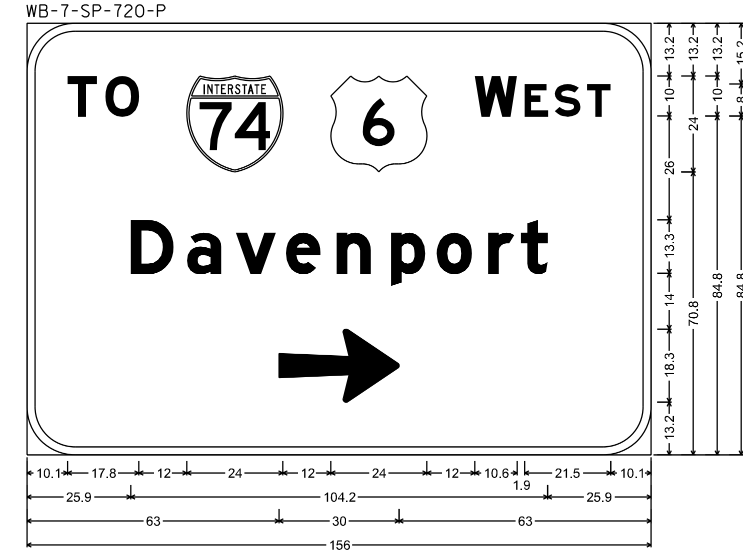
9.0" Radius, 1.5" Border, White on Green;
[EAST] E Mod; [7th Ave] E Mod; Down Arrow 22.0" 270°; Down Arrow 22.0" 270°;
Table of widths and spaces.

	E		A		S		T	
85.9	7.4	1.2	8.0	1.7	6.3	1.7	5.9	85.9

	7		t		h		A		v		e	
60.6	10.7	2.9	6.6	4.2	8.5	13.4	13.3	2.1	10.0	2.6	8.5	60.6

	⇩		⇩	
14.0	32.0	112.0	32.0	14.0

STA 7014+60
WB-7-SP-720-P



12.0" Radius, 2.0" Border, White on Green;
[TO] E Mod; [WEST] E Mod; [Davenport] E Mod; Arrow 133 - 30.0" 0°;
Table of widths and spaces.

	T		O		74		6		W		E		S		T	
10.1	7.4	2.1	8.3	12.0	24.0	12.0	24.0	12.0	10.6	1.9	5.9	1.6	6.4	1.7	5.9	10.1

	D		a		v		e		n		p		o		r		t	
25.9	10.6	3.5	8.4	3.8	9.9	2.6	8.5	4.2	8.5	5.1	8.5	2.9	8.8	4.1	6.5	1.6	6.7	25.9

	⇨	
63.0	30.0	63.0

NOTE: ALL DIMENSIONS ARE IN INCHES.

SGN-28

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

FILE NAME = D2CONAB-HPS-sht-sign052.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
SIGN PANEL DETAILS

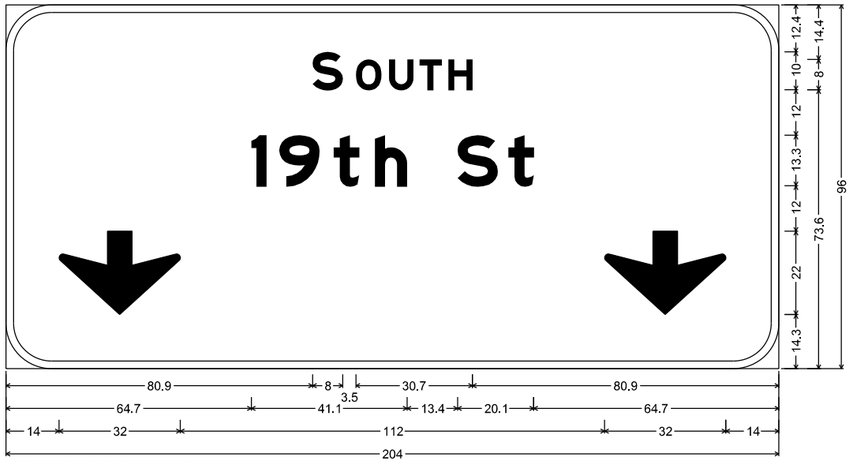
SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	553

CONTRACT NO. 64C08

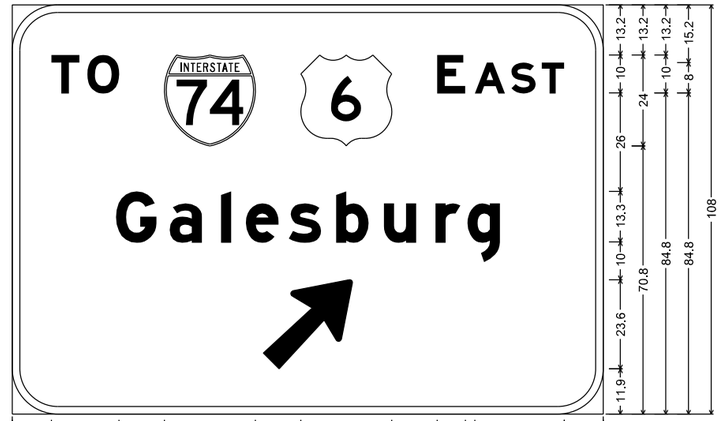
ILLINOIS | FED. AID PROJECT

STA 1913+71.50
SB-19-SP-199A-P
SB-19-SP-199B-P



12.0" Radius, 2.0" Border, White on Green;
[S OUTH] E Mod; [19th St] E Mod; Down Arrow 22.0" 270°; Down Arrow 22.0" 270°;
Table of widths and spaces.

80.9	S 8.0	3.5	O 6.7	2.0	U 6.4	1.6	T 6.0	1.6	H 6.4	80.9				
64.7	l 4.0	3.4	9 10.6	3.8	t 6.7	4.1	h 8.5	13.4	S 10.6	2.8	t 6.7	64.7		
14.0	32.0	112.0	32.0	14.0										



12.0" Radius, 2.0" Border, White on Green;
[TO] E Mod; [E AST] E Mod; [Galesburg] E Mod; Arrow 133 - 30.0° 45°;
Table of widths and spaces.

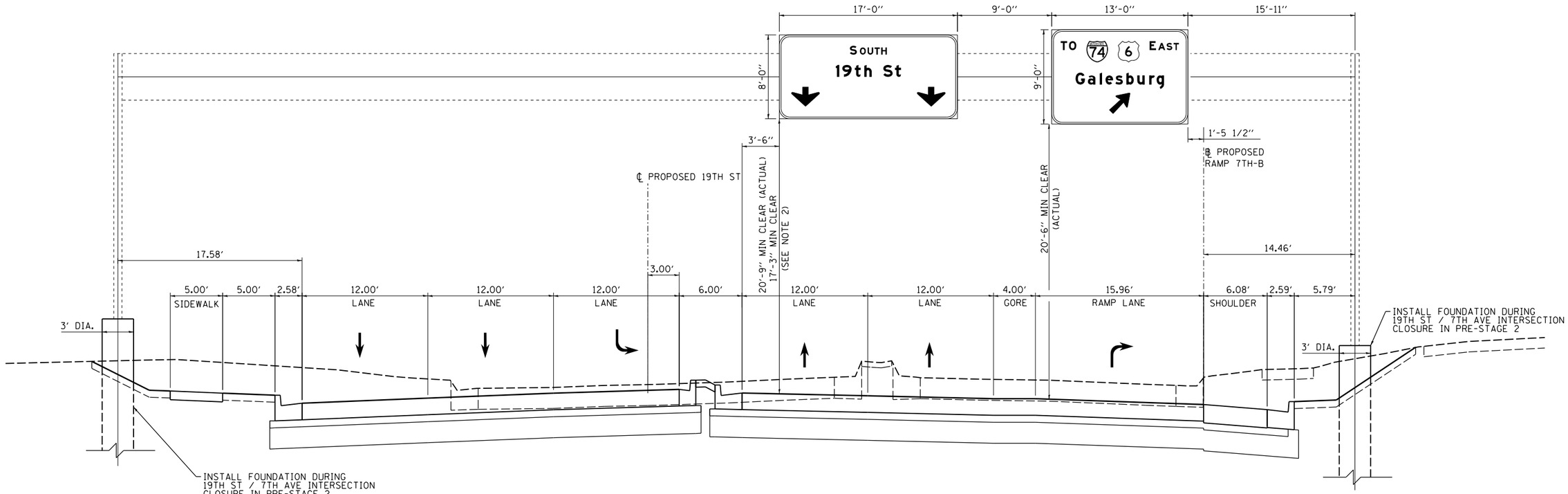
10.3	T 7.4	2.1	O 8.4	12.0	24.0	12.0	6 24.0	12.0	E 7.4	2.5	A 8.0	1.6	S 6.4	1.7	T 5.9	10.3				
27.4	G 10.6	3.5	a 8.5	5.1	l 2.5	4.1	e 8.5	2.8	s 8.4	4.1	b 8.5	4.1	u 8.5	5.1	r 6.5	1.9	g 8.5	27.4		
66.2	23.6	66.2																		

NOTE: ALL DIMENSIONS ARE IN INCHES.

SGN-29

FILE NAME = D2CONAB-HPS-sht-sign054.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLANS SIGN PANEL DETAILS	F.A.I RTE.	SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
		DRAWN - MTH	REVISED -			74	(81-1)R & 81-1HVBR / ROCK ISLAND / 1504 / 554
	PLOT SCALE =	CHECKED - CDM	REVISED -				CONTRACT NO. 64C08
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT

LAYOUT	MTH	1/3/2017
DRAWN	MTH	1/3/2017
REVIEWED	CDM	12/23/2016



STA 1913+71.50
SOUTHBOUND 19TH ST
(SPAN MOUNTED)

NOTES:
1. HORIZONTAL DIMENSIONS ARE MEASURED PERPENDICULAR TO ℄ 19TH STREET ALONG THE ℄ OF THE SIGN TRUSS.
2. SIGN STRUCTURE DESIGN IS BASED ON 17'-3" MINIMUM CLEARANCE TO MAXIMUM SIGN PANEL HEIGHT OF 15'-0".

LAYOUT	MTH	12/19/2016
DRAWN	MTH	12/19/2016
REVIEWED	CDM	12/23/2016

SGN-30

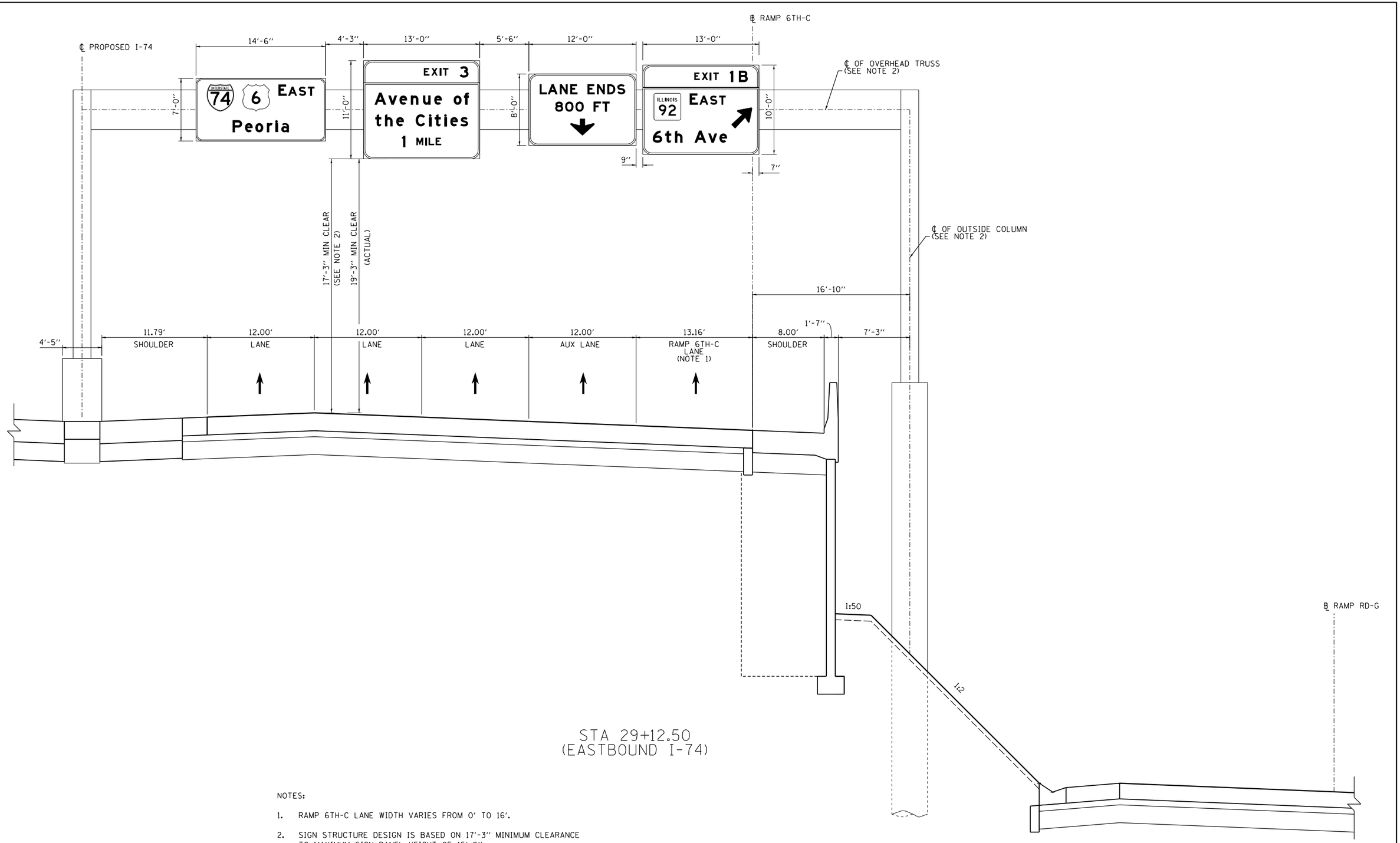
FILE NAME = D2CONAB-HPS-sht-sign053.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
OVERHEAD SIGN PANEL LAYOUT

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

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	555
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



STA 29+12.50
(EASTBOUND I-74)

NOTES:

1. RAMP 6TH-C LANE WIDTH VARIES FROM 0' TO 16'.
2. SIGN STRUCTURE DESIGN IS BASED ON 17'-3" MINIMUM CLEARANCE TO MAXIMUM SIGN PANEL HEIGHT OF 15'-0".

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

SGN-31

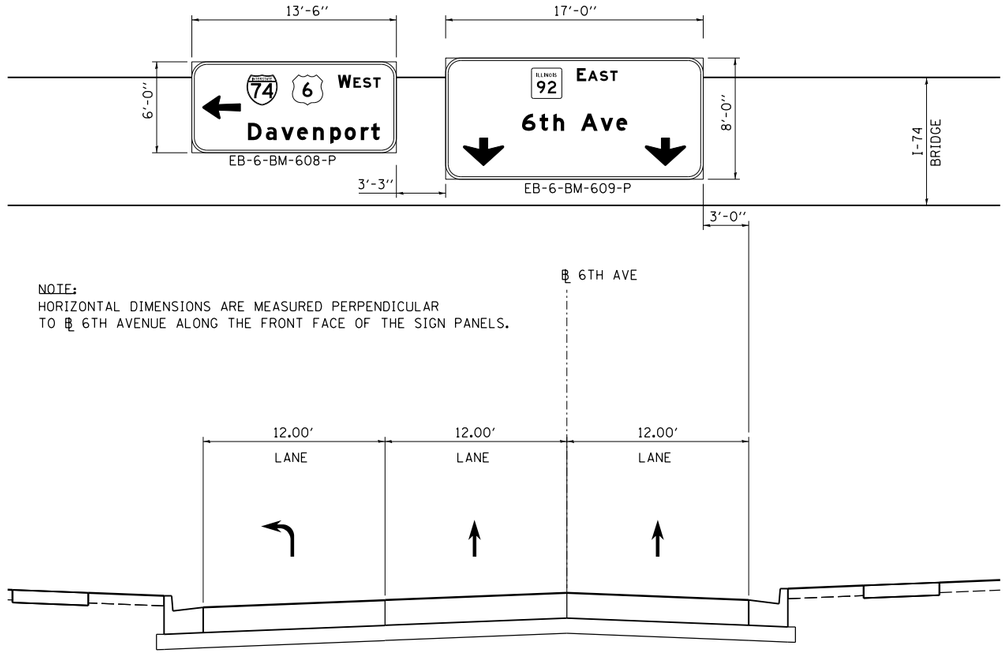
FILE NAME = D2CONAB-HPS-sht-sign50.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
OVERHEAD SIGN PANEL LAYOUT

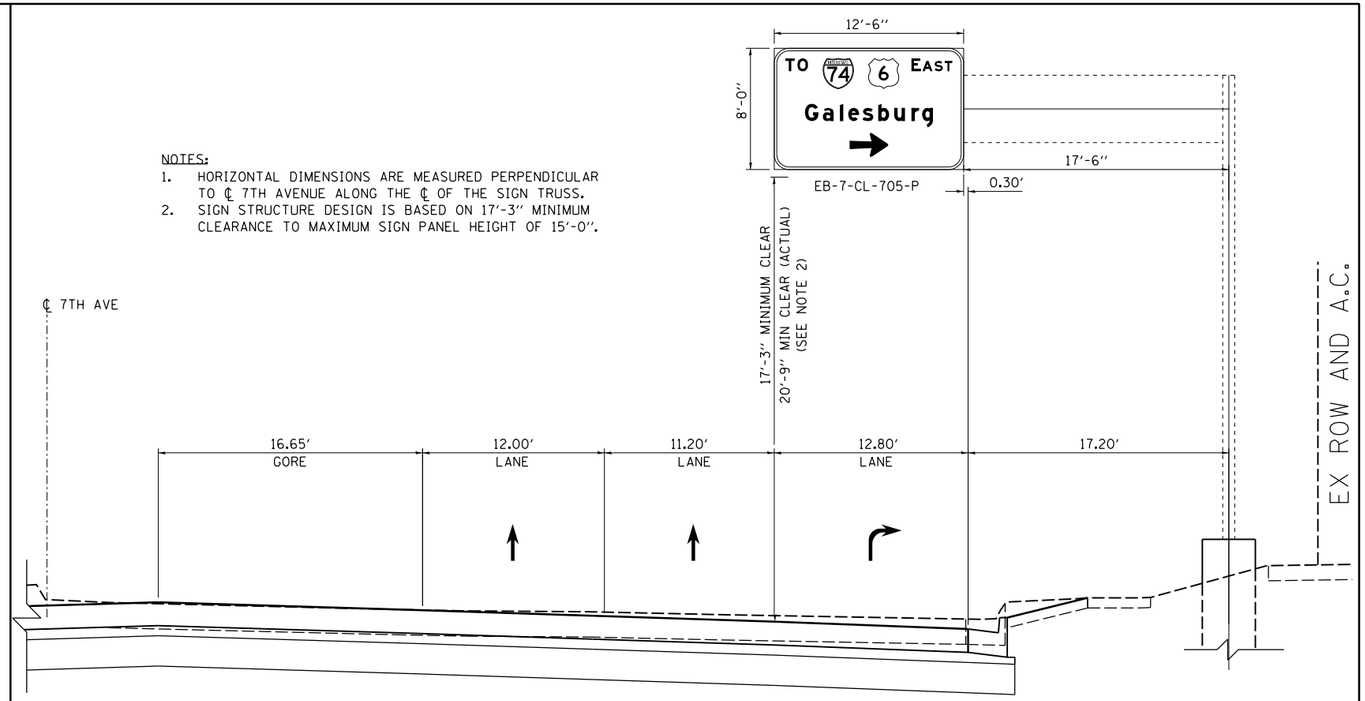
SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	556
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



NOTE:
HORIZONTAL DIMENSIONS ARE MEASURED PERPENDICULAR TO ℄ 6TH AVENUE ALONG THE FRONT FACE OF THE SIGN PANELS.

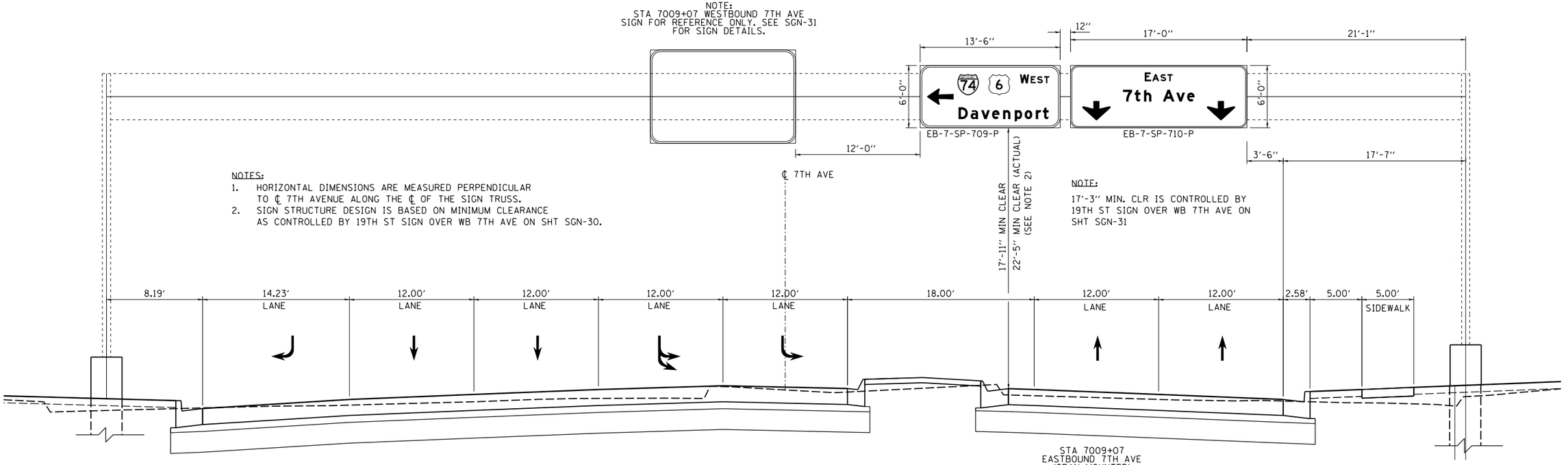
STA 6004+71.40 (EB-6-BM-608-P)
STA 6004+66.29 (EB-6-BM-609-P)
EASTBOUND 6TH AVE
(BRIDGE MOUNTED)



NOTES:
1. HORIZONTAL DIMENSIONS ARE MEASURED PERPENDICULAR TO ℄ 7TH AVENUE ALONG THE ℄ OF THE SIGN TRUSS.
2. SIGN STRUCTURE DESIGN IS BASED ON 17'-3" MINIMUM CLEARANCE TO MAXIMUM SIGN PANEL HEIGHT OF 15'-0".

STA 7006+40
EASTBOUND 7TH AVE
(CANTILEVER MOUNTED)

NOTE:
STA 7009+07 WESTBOUND 7TH AVE
SIGN FOR REFERENCE ONLY. SEE SGN-31
FOR SIGN DETAILS.



NOTES:
1. HORIZONTAL DIMENSIONS ARE MEASURED PERPENDICULAR TO ℄ 7TH AVENUE ALONG THE ℄ OF THE SIGN TRUSS.
2. SIGN STRUCTURE DESIGN IS BASED ON MINIMUM CLEARANCE AS CONTROLLED BY 19TH ST SIGN OVER WB 7TH AVE ON SHT SGN-30.

NOTE:
17'-3" MIN. CLR IS CONTROLLED BY 19TH ST SIGN OVER WB 7TH AVE ON SHT SGN-31

STA 7009+07
EASTBOUND 7TH AVE
(SPAN MOUNTED)

SGN-32

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

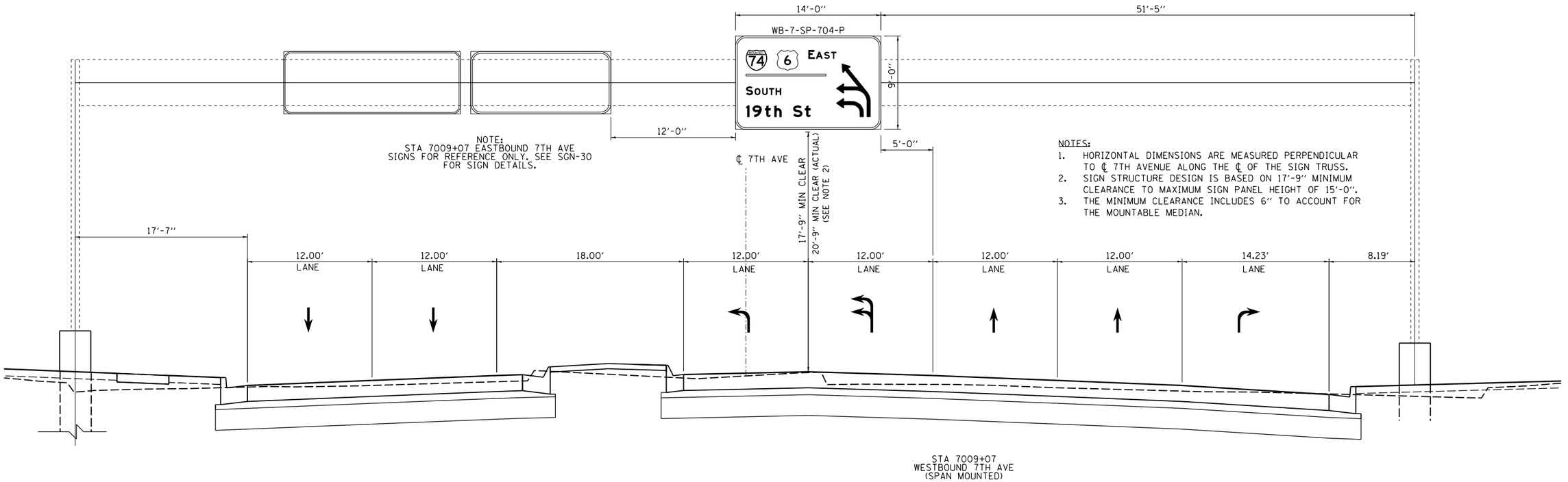
FILE NAME = D2CONAB-HPS-sht-sign051.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
OVERHEAD SIGN PANEL LAYOUT

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

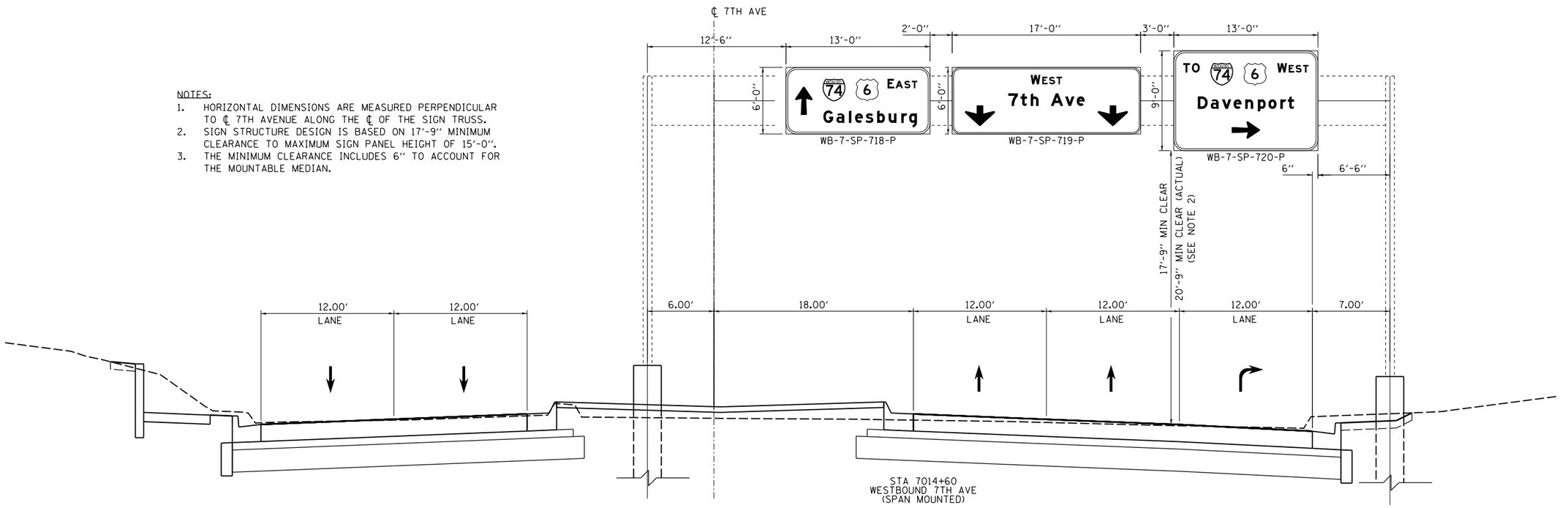
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	557
		CONTRACT NO. 64C08		
		ILLINOIS	FED. AID PROJECT	



NOTE:
STA 7009+07 EASTBOUND 7TH AVE
SIGNS FOR REFERENCE ONLY. SEE SGN-30
FOR SIGN DETAILS.

NOTES:
1. HORIZONTAL DIMENSIONS ARE MEASURED PERPENDICULAR TO ℄ 7TH AVENUE ALONG THE ℄ OF THE SIGN TRUSS.
2. SIGN STRUCTURE DESIGN IS BASED ON 17'-9" MINIMUM CLEARANCE TO MAXIMUM SIGN PANEL HEIGHT OF 15'-0".
3. THE MINIMUM CLEARANCE INCLUDES 6" TO ACCOUNT FOR THE MOUNTABLE MEDIAN.

STA 7009+07
WESTBOUND 7TH AVE
(SPAN MOUNTED)



NOTES:
1. HORIZONTAL DIMENSIONS ARE MEASURED PERPENDICULAR TO ℄ 7TH AVENUE ALONG THE ℄ OF THE SIGN TRUSS.
2. SIGN STRUCTURE DESIGN IS BASED ON 17'-9" MINIMUM CLEARANCE TO MAXIMUM SIGN PANEL HEIGHT OF 15'-0".
3. THE MINIMUM CLEARANCE INCLUDES 6" TO ACCOUNT FOR THE MOUNTABLE MEDIAN.

STA 7014+60
WESTBOUND 7TH AVE
(SPAN MOUNTED)

LAYOUT	MTH	5/15/2015
DRAWN	MTH	11/3/2016
REVIEWED	CDM	12/23/2016

SGN-33

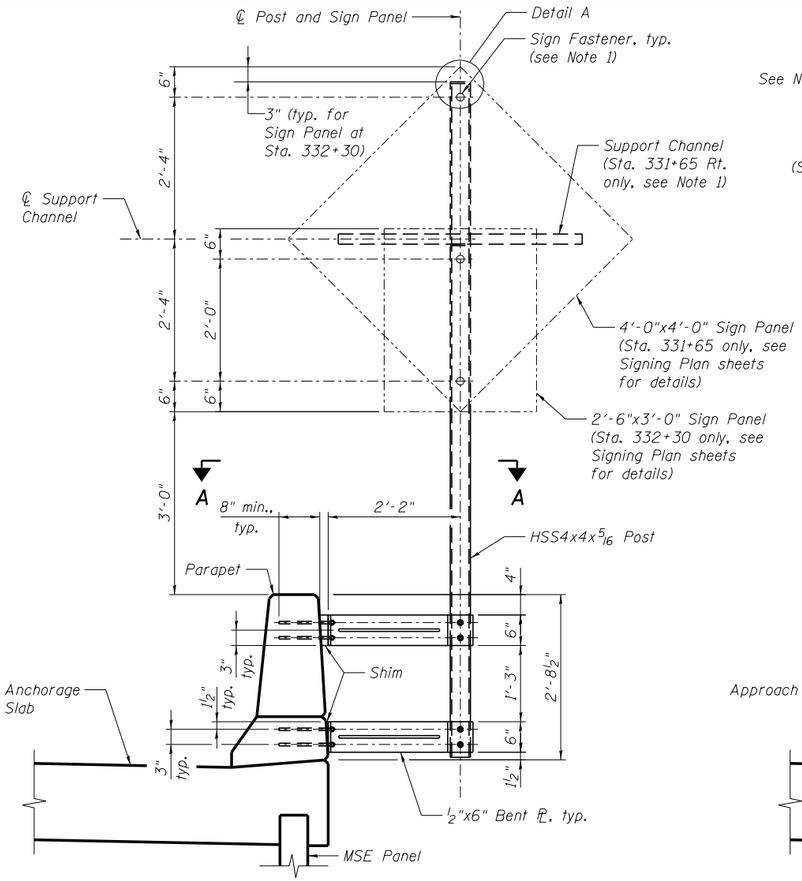
FILE NAME = D2CONAB-HPS-sht-sign049.dgn	USER NAME = hehn01663	DESIGNED - MTH	REVISED -
		DRAWN - MTH	REVISED -
	PLOT SCALE =	CHECKED - CDM	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
OVERHEAD SIGN PANEL LAYOUT

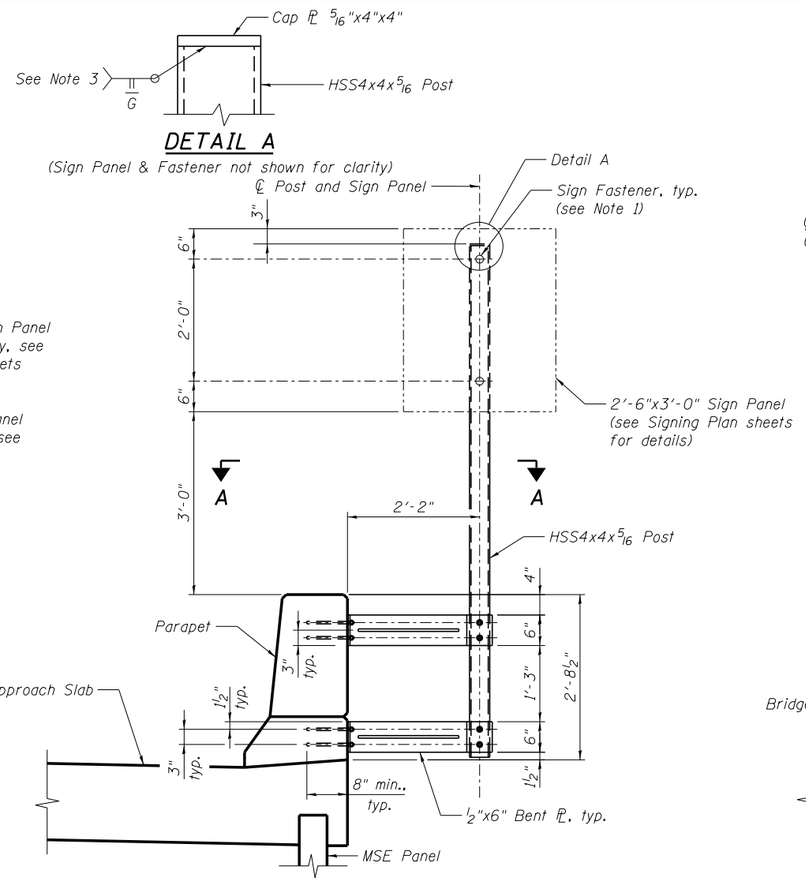
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	558
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



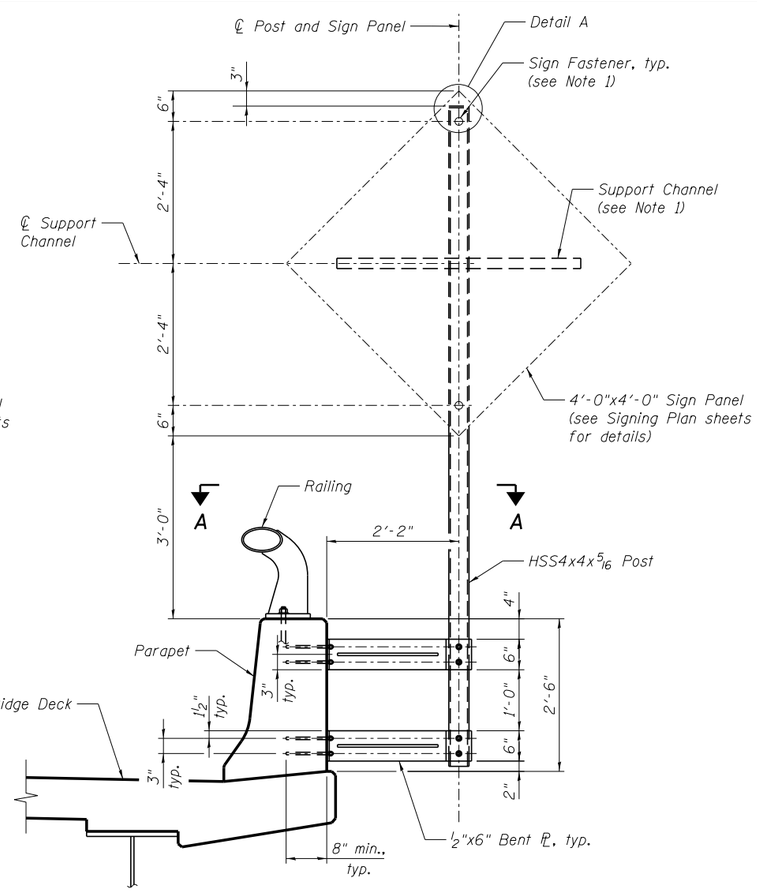
MSE PARAPET MOUNTED SIGN SUPPORT ASSEMBLY

Ramp 6TH-C, Sta. 331+65 Rt.
Ramp 6TH-C, Sta. 332+30 Rt.



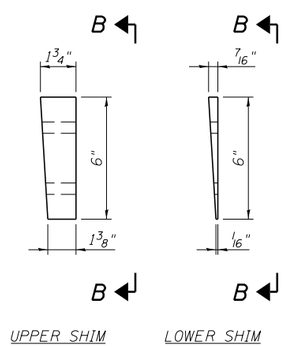
APPROACH PARAPET MOUNTED SIGN SUPPORT ASSEMBLY

Ramp 6TH-C, Sta. 331+10 Rt.



BRIDGE PARAPET MOUNTED SIGN SUPPORT ASSEMBLY

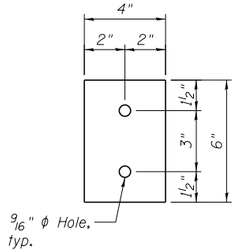
EB I-74, Sta. 33+86 Rt.
WB I-74, Sta. 40+70 Lt.



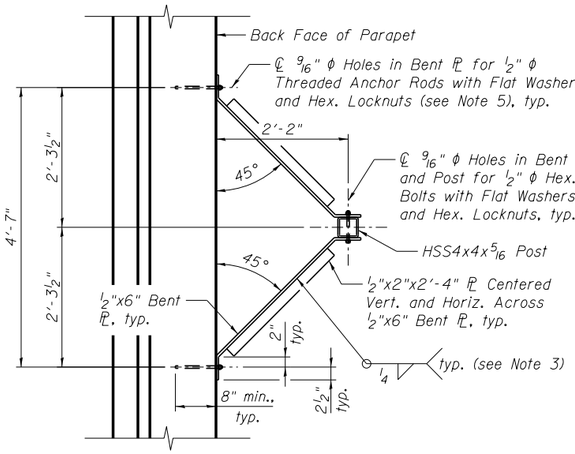
UPPER SHIM LOWER SHIM

SHIM DETAILS

(2 ea. req'd per MSE mounted support assembly)



SECTION B-B



SECTION A-A

(Railing not shown for clarity)

NOTES:

1. Support channels required for sign panels over 36" wide and steel hardware for attaching the sign panel to the post shall be in accordance with Section 720 and Article 1006.29(d) of the Standard Specifications. See Highway Standard 720001 for more details.
2. A 1/8" fabric reinforced elastomeric pad in accordance with Section 1028 of the Standard Specifications shall be placed between the galvanized steel bent plates and the parapet.
3. All welds to be continuous unless otherwise shown. All welding shall be done in accordance with the current AWS D1.1 structural welding code (steel) and the Standard Specifications.
4. The structural steel bent plates shall conform to the requirements of AASHTO M 270 Grade 36. The HSS steel tubing and post cap plates shall conform to the requirements of ASTM A 500, Grade B.
5. Threaded anchor rods shall conform to the requirements of ASTM F 1554 Grade 36. The anchor rods, flat washers, and locknuts shall be in accordance with Article 1006.09 of the Standard Specifications and shall be hot-dip galvanized per AASHTO M232. The anchor rods shall be drilled and grouted in accordance with Section 584 of the Standard Specifications. Each anchor shall have a minimum tensile capacity of 3,000 lbs. and a minimum shear capacity of 2,750 lbs.
6. The steel bent plates, post cap plates, and HSS tubing shall be hot-dip galvanized after shop fabrication in accordance with AASHTO M 111. Painting is not permitted.
7. The sign supports shall be centered directly behind the nearest railing post or centered between the two nearest railing posts and the anchor rods shall be spaced to miss reinforcement bars. Sign supports shall be located to ensure that the anchor rods miss vertical parapet joints by 12" minimum. See I-74 Aesthetic Railing and Bridge Sheets for railing, post, anchor bolt, and parapet details.

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Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10061.04

SGN-34

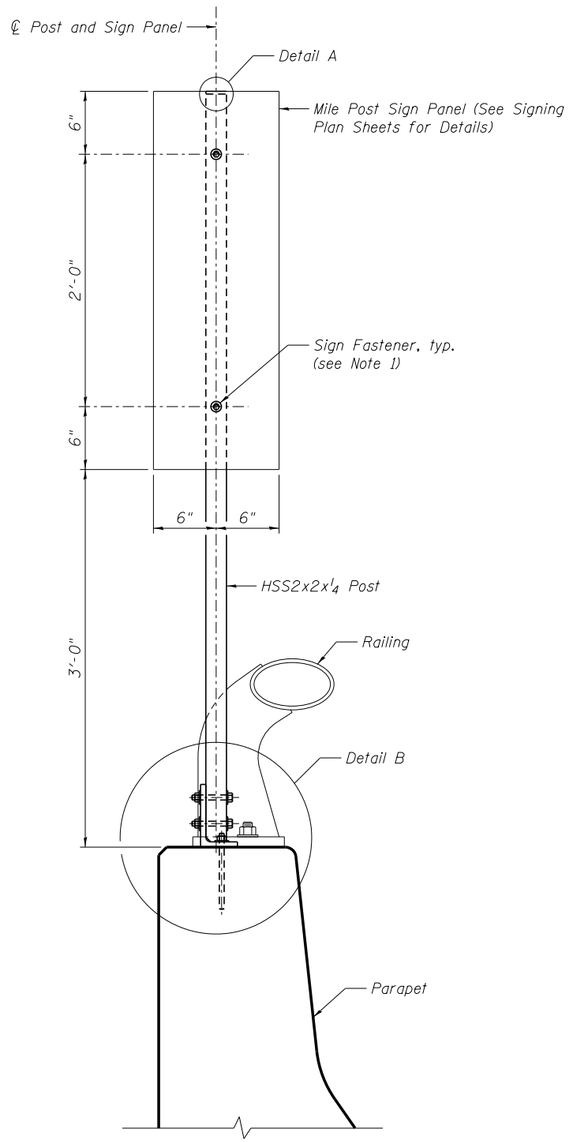
FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFH	REVISED -
		CHECKED - AAY	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: SGN-34 Parapet Mounted Sign Support Assembly	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING PLANS
PARAPET MOUNTED SIGN SUPPORT ASSEMBLY
SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	559
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

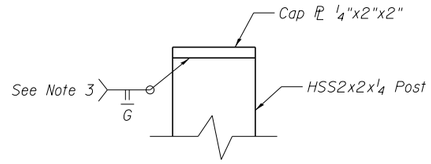
c:\pwise.work\do_not_delete\dms02542\D2CONAB-AB-sht-SignStructures.sht
1/19/2017 7:17:33 AM



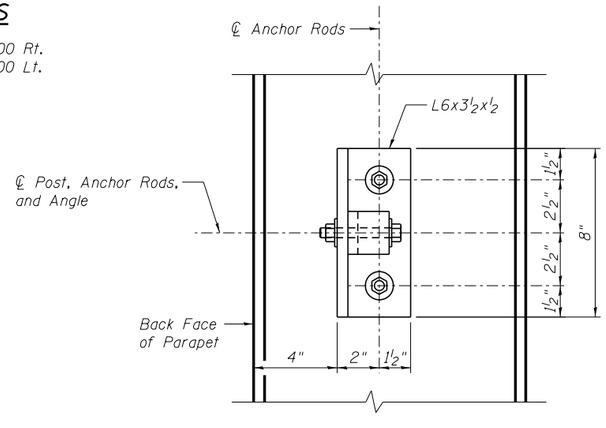
ELEVATION

MILE POST SIGN LOCATIONS

EB I-74, Sta. 40+00 Rt.
WB I-74, Sta. 40+00 Lt.

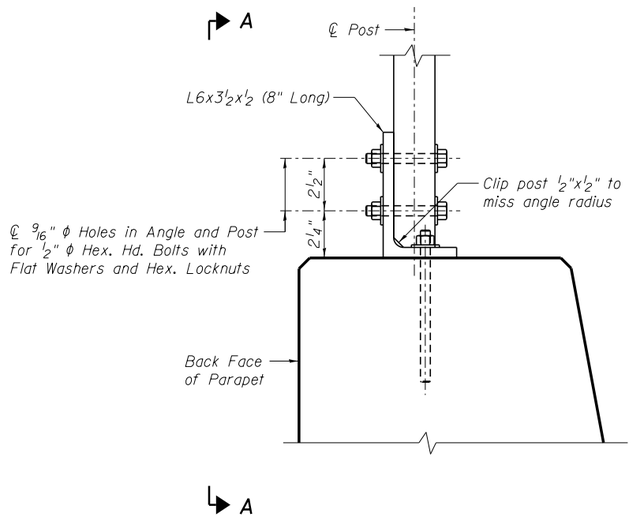


DETAIL A



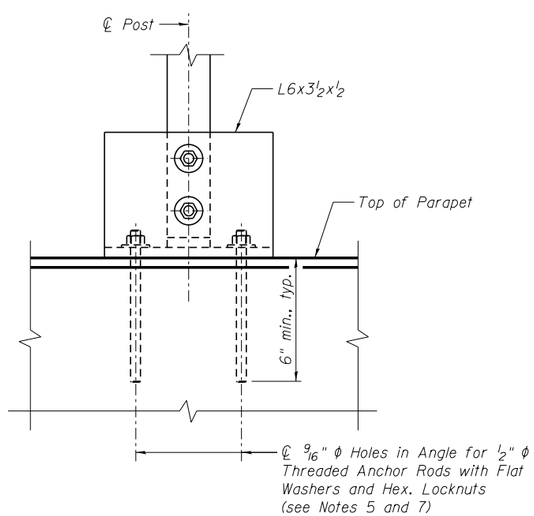
PLAN

(Railing not shown for clarity)



DETAIL B

(Railing not shown for clarity)



VIEW A-A

(Railing not shown for clarity)

NOTES:

1. Steel hardware for attaching the sign panel to the post shall be in accordance with Section 720 and Article 1006.29(d) of the Standard Specifications. See Highway Standard 720001 for more details.
2. A ⅛" fabric reinforced elastomeric pad in accordance with Section 1028 of the Standard Specifications shall be placed between the galvanized steel angle and the parapet.
3. All welds to be continuous unless otherwise shown. All welding shall be done in accordance with the current AWS D1.1 structural welding code (steel) and the Standard Specifications.
4. The structural steel angle shall conform to the requirements of AASHTO M 270 Grade 36. The HSS steel tubing and post cap plate shall conform to the requirements of ASTM A 500, Grade B.
5. Threaded anchor rods shall conform to the requirements of ASTM F 1554 Grade 36. The anchor rods, flat washers, and locknuts shall be in accordance with Article 1006.09 of the Standard Specifications and shall be hot-dip galvanized per AASHTO M232. The anchor rods shall be drilled and grouted in accordance with Section 584 of the Standard Specifications. Each anchor rod shall have a minimum tensile capacity of 1,750 lbs.
6. The steel angle, post cap plate and HSS tubing shall be hot-dip galvanized after shop fabrication in accordance with AASHTO M 111. Painting is not permitted.
7. The sign support shall be centered directly between the two nearest railing posts and the anchor rods shall be spaced to miss reinforcement bars. The sign support shall be located to ensure that the anchor rods miss vertical parapet joints by 12" minimum. See I-74 Aesthetic Railing and Bridge Sheets for railing, post, anchor bolt, and parapet details.

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312-565-0450 Job No. 10061.04

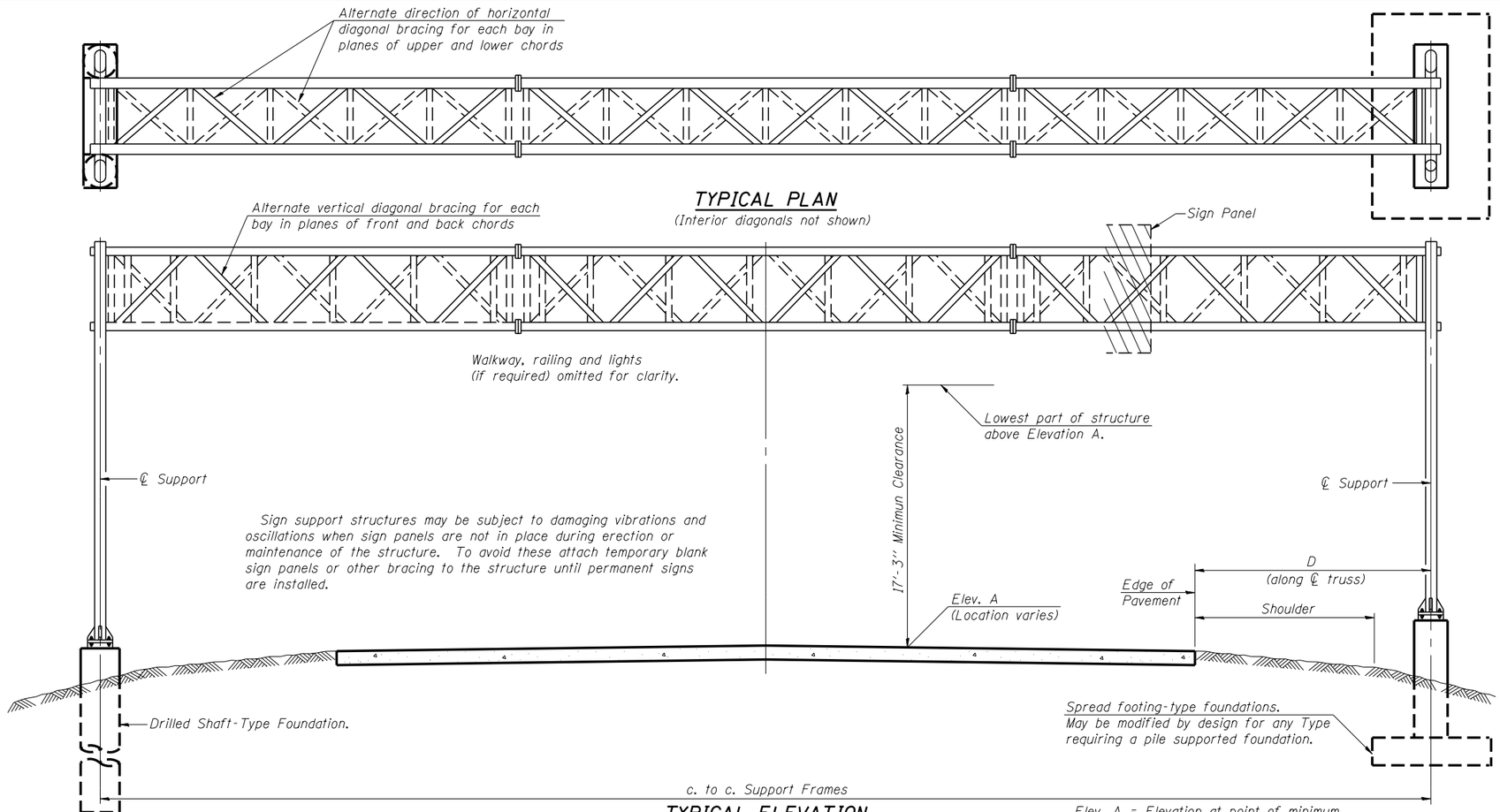
SGN-35

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFH	REVISED -
		CHECKED - AAY	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: SGN-35 Mile Post Marker Assembly (Special)	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

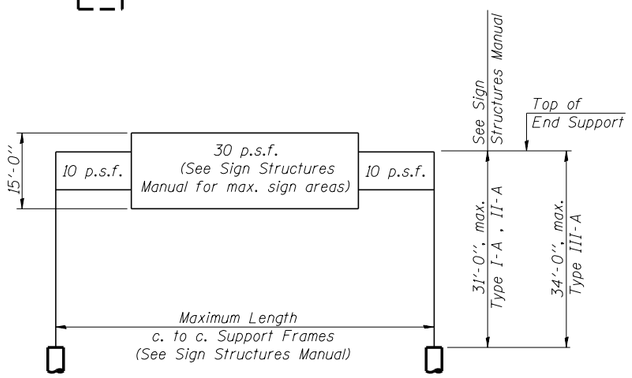
SIGNING PLANS
MILE POST MARKER ASSEMBLY (SPECIAL)
SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	560
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



TYPICAL PLAN

(Interior diagonals not shown)



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

TYPICAL ELEVATION

(Looking at Face of Signs**)

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

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
2S081I074R000.6	29+12.50 (I-74)	I-A	92.00'	594.32	16.83'	11.00'	471 S.F.
2S081L007L000.9	7014+60 (7TH AVE)	I-A	67.00'	583.18	7.00'	9.00'	297 S.F.
2S081L007R001.0	7009+07 (7TH AVE)	II-A	130.00'	588.44	17.58'	9.00'	309 S.F.
2S081L019R001.0	1913+71.50 (19TH ST)	II-A	118.00'	588.43	14.46'	9.00'	253 S.F.

* 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.
** Looking upstation for structures with signs both sides.
*** For Right Foundation Shafts at Station 1913+71.50 (19TH ST).

WALKWAY GRATING, WALKWAY SUPPORTS, HANDRAIL AND LIGHTING ARE NOT INCLUDED IN THIS CONTRACT. UNLESS NOTED OTHERWISE. CONSTRUCTION SEQUENCE OF THE OVERHEAD SIGN STRUCTURES AND FOUNDATIONS, UNLESS NOTED OTHERWISE, IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONSIDER THE MAINTENANCE OF TRAFFIC PLANS. THE DRILLED SHAFTS FOR THE 19TH ST SIGN STRUCTURE SHALL BE INSTALLED DURING THE 19TH ST/ 7TH AVE INTERSECTION CLOSURE IN PRE-STAGE 2.

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

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

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

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

CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with 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	159
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	248
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	
CONCRETE FOUNDATIONS	Cu. Yds.	
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	116
ROCK EXCAVATION FOR STRUCTURES	Cu. Yds.	4

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OS-A-1 8-21-13

OSS-01

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES – GENERAL PLAN & ELEVATION – ALUMINUM TRUSS & STEEL SUPPORTS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - KJN	REVISED -			74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	561
	PLOT SCALE =	DRAWN - VH	REVISED -						CONTRACT NO. 64C08	
MODEL: OSS-01 OS-A-1 General Plan and Elevation	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -		SHEET NO. 1 OF 32 SHEETS			ILLINOIS	FED. AID PROJECT	

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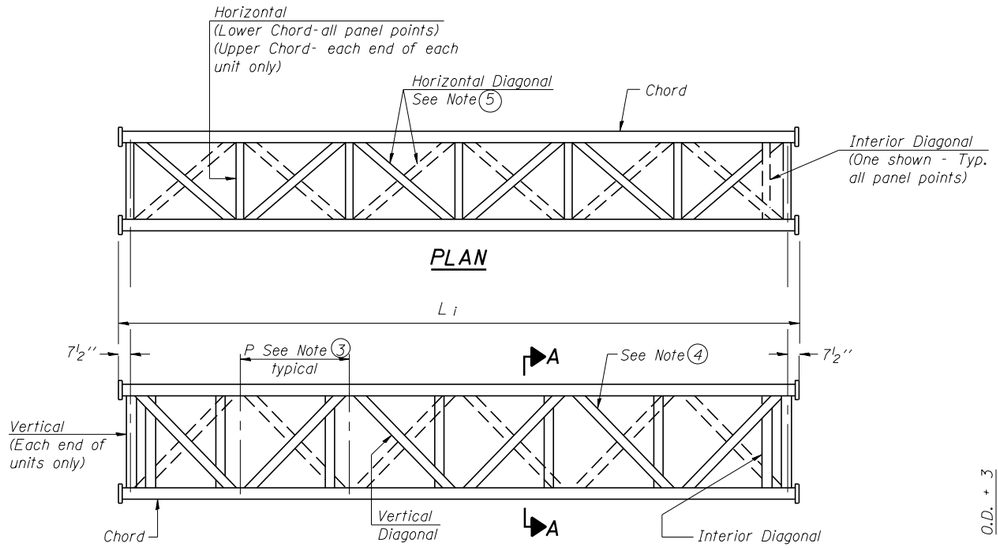
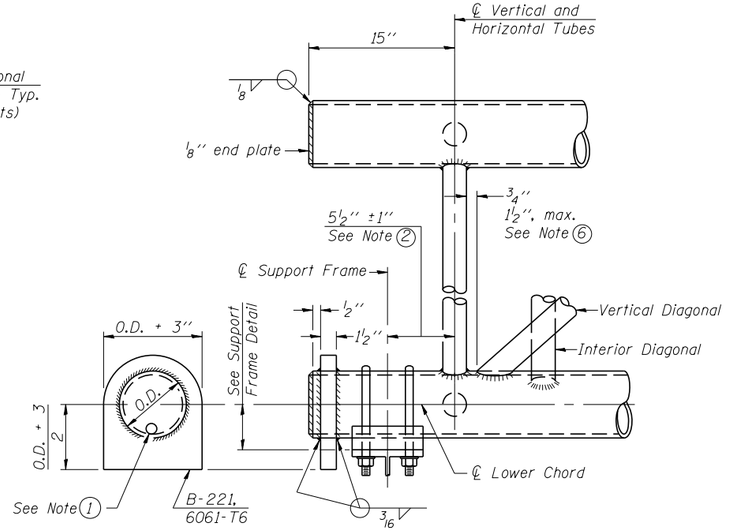
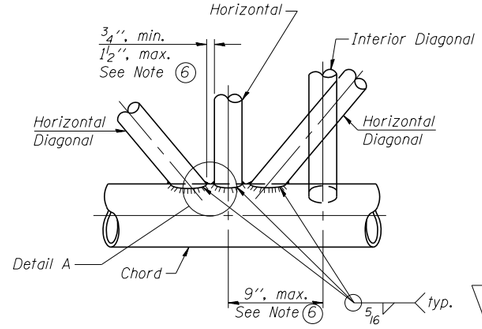


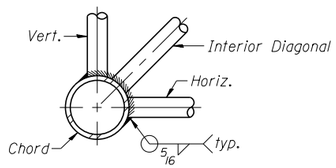
ELEVATION
TYPICAL INTERIOR UNIT

Even number of panels/interior unit required.

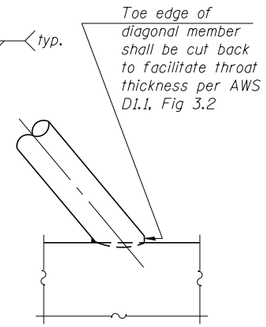


SUPPORT END DETAIL FOR EXTERIOR UNIT

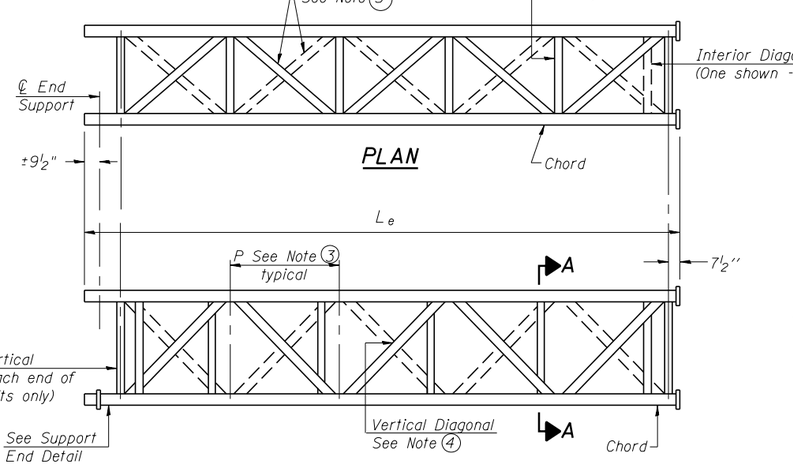




TYPICAL JOINT DETAILS

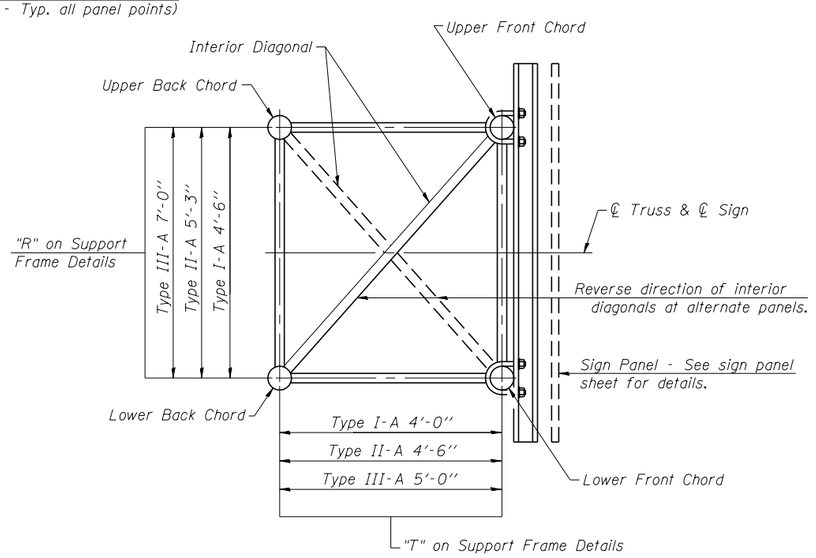


DETAIL A



ELEVATION
TYPICAL EXTERIOR UNIT

Even or odd number of panels/exterior units allowed.



SECTION A-A

1. Contractor may alternatively use standard aluminum drive-fit cap to close end. ½" ϕ drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
2. 5½" end dimension may vary by ±1" to provide uniform panel spacing (P).
3. Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
4. Vertical Diagonals in front and back face shall alternate.
5. Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
6. All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a ¾" minimum to 1½" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.

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OS-A-2 6-1-12

OSS-02

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-02 OS-A-2 Aluminum Truss Details 1	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

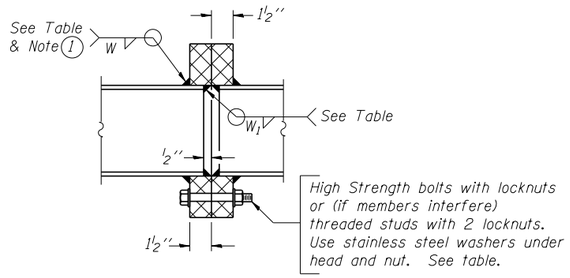
OVERHEAD SIGN STRUCTURES – ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A

SHEET NO. 2 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	562
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

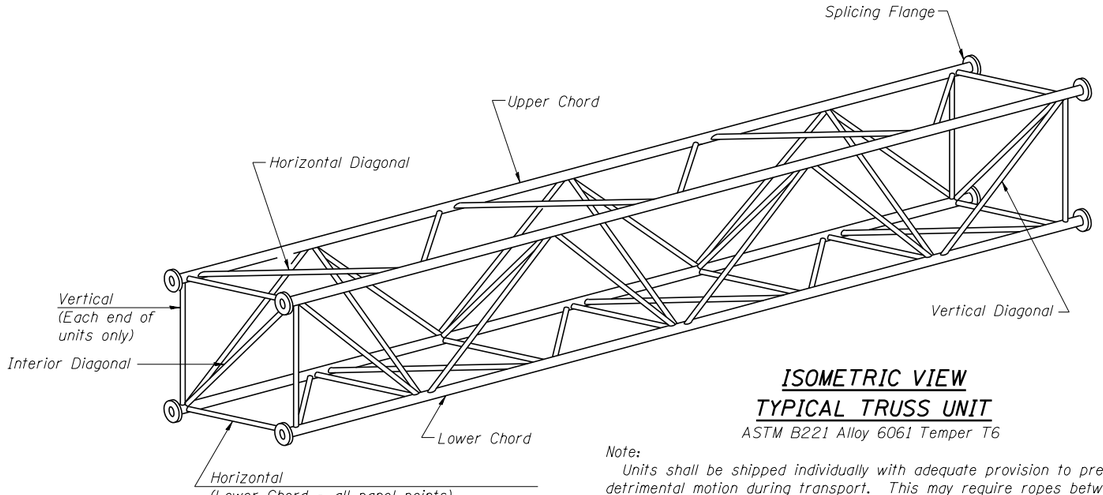
TRUSS UNIT TABLE

Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(L_e)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L_i)	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W_1		
2S081I074R000.6	29+12.50 (I-74)	I-A	6	31'-4 1/2"	4'-11"	1	6	30'-9"	4'-11"	5 1/2"	5/16"	2 1/2"	5/16"	2 7/8"	6	7/8"	3/8"	1/4"	9 1/4"	12 1/4"
2S081L007L000.9	7014+60 (7TH AVE)	I-A	7	34'-3"	4'-7 1/2"	0	-	-	-	5"	1/4"	2 1/2"	1/4"	1 5/8"	6	7/8"	5/16"	1/4"	8 3/4"	11 3/4"
2S081L007R001.0	7009+07 (7TH AVE)	II-A	6	33'-3"	5'-2 3/4"	2	6	32'-7 1/2"	5'-2 3/4"	7"	3/8"	3"	5/16"	4 3/4"	8	1"	7/16"	5/16"	11 1/2"	15"
2S081L019R001.0	1913+71.50 (19TH ST)	II-A	8	40'-0 1/2"	4'-9 1/4"	1	8	39'-5"	4'-9 1/4"	7"	5/16"	3"	5/16"	4 1/8"	6	1"	3/8"	1/4"	11 1/2"	15"



SECTION B-B

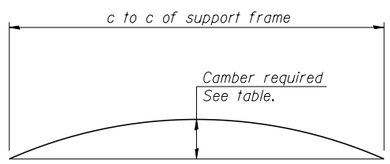
(1) Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining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



ISOMETRIC VIEW
TYPICAL TRUSS UNIT

ASTM B221 Alloy 6061 Temper T6

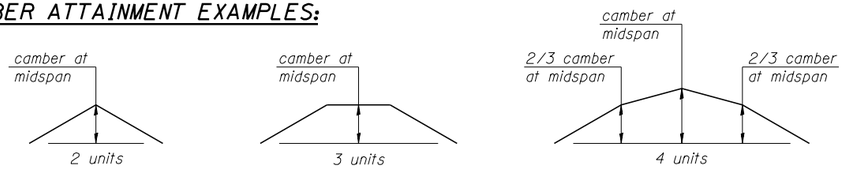
Note:
Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection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



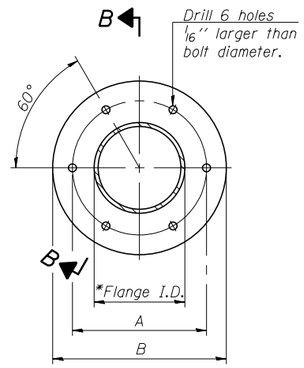
CAMBER DIAGRAM

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

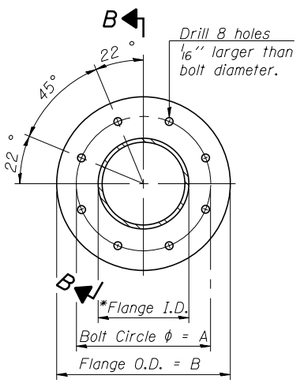
CAMBER ATTAINMENT EXAMPLES:



Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)



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 1/16".

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OS4-A-2 6-1-12

OSS-03

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES – ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I–A, II–A AND III–A	F.A.I. RTE. 74	SECTION (81-1)R & 81-1HVBR	COUNTY ROCK ISLAND	TOTAL SHEETS 1504	SHEET NO. 563
		CHECKED - KJN	REVISED -							
	PLOT SCALE =	DRAWN - VH	REVISED -							
MODEL: OSS-03 OS4-A-2 Aluminum Truss Details 2	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -		SHEET NO. 3 OF 32 SHEETS			CONTRACT NO. 64C08		
								ILLINOIS FED. AID PROJECT		

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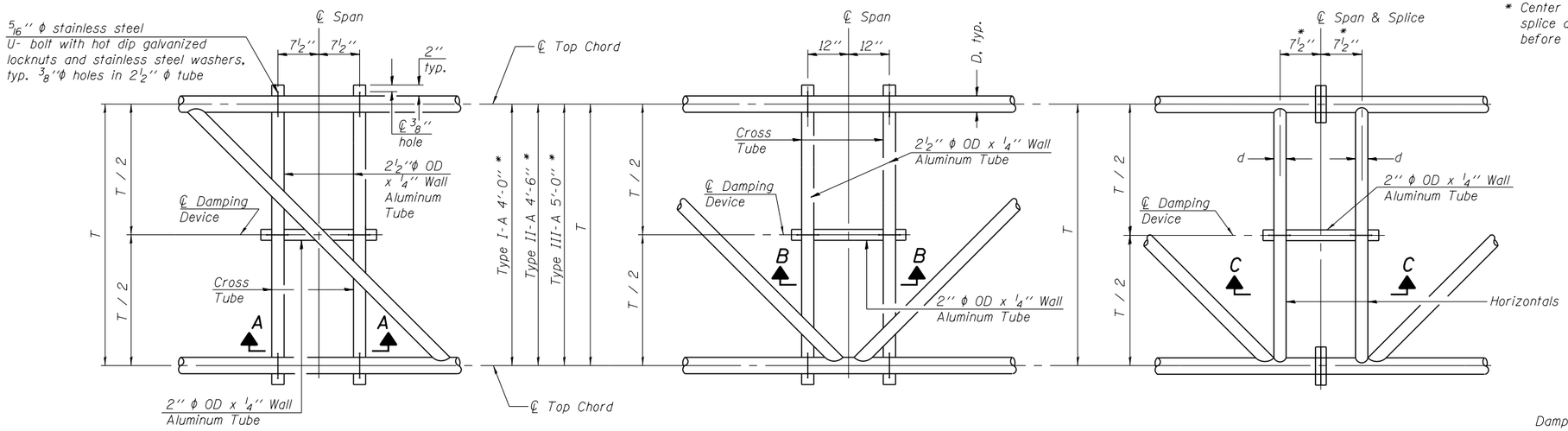


* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

PLAN DETAIL "A"
℄ Span between Panel Points

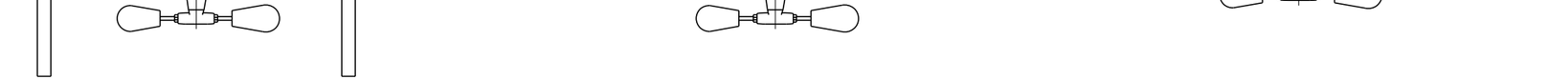
PLAN DETAIL "B"
℄ Span at Panel Point

PLAN DETAIL "C"
℄ Span at ℄ Chord Splice

NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29'' minimum between ends of weights) Cost included in Overhead Sign Structure...

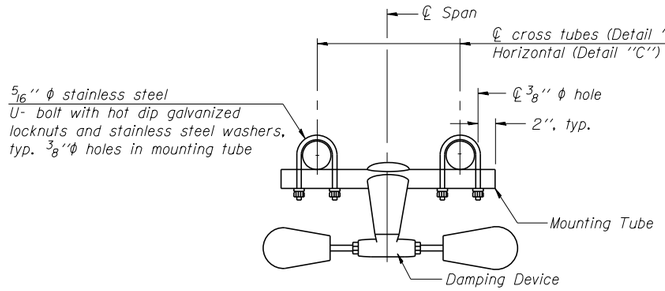
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



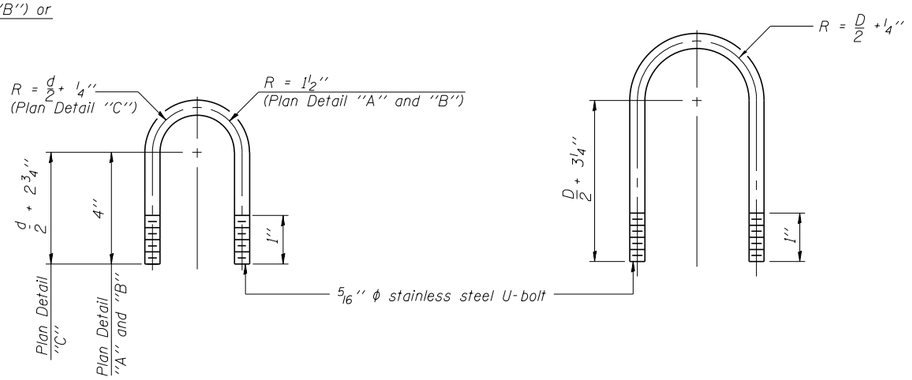
SECTION A-A

SECTION B-B

SECTION C-C

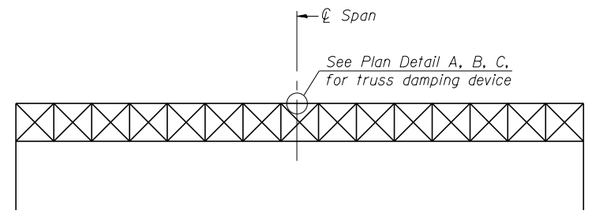


TRUSS DAMPING DEVICE CONNECTION DETAIL
(Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
(Typical)

TOP CHORD TO CROSS TUBE U-BOLT DETAIL
(Typical - Detail ''A'' and ''B'')



ELEVATION
Aluminum Overhead Sign Truss

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Chicago, Illinois 60601
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OS-A-D 6-1-12

OSS-04

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-04 OS-A-D Damping Device	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE
DAMPING DEVICE
SHEET NO. 4 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	564
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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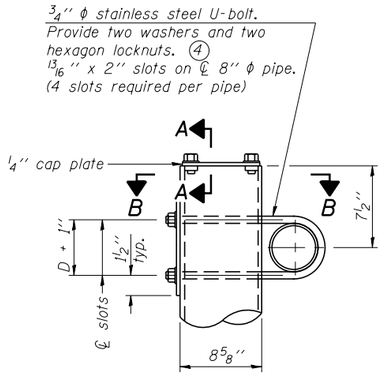
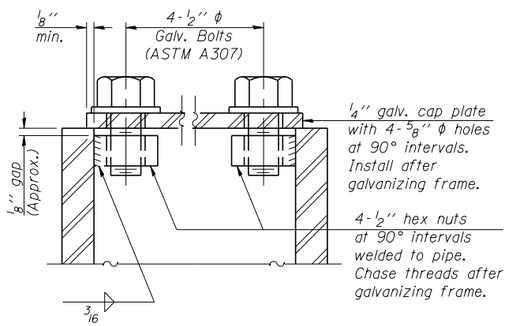
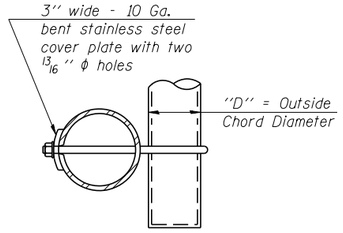


DETAIL A

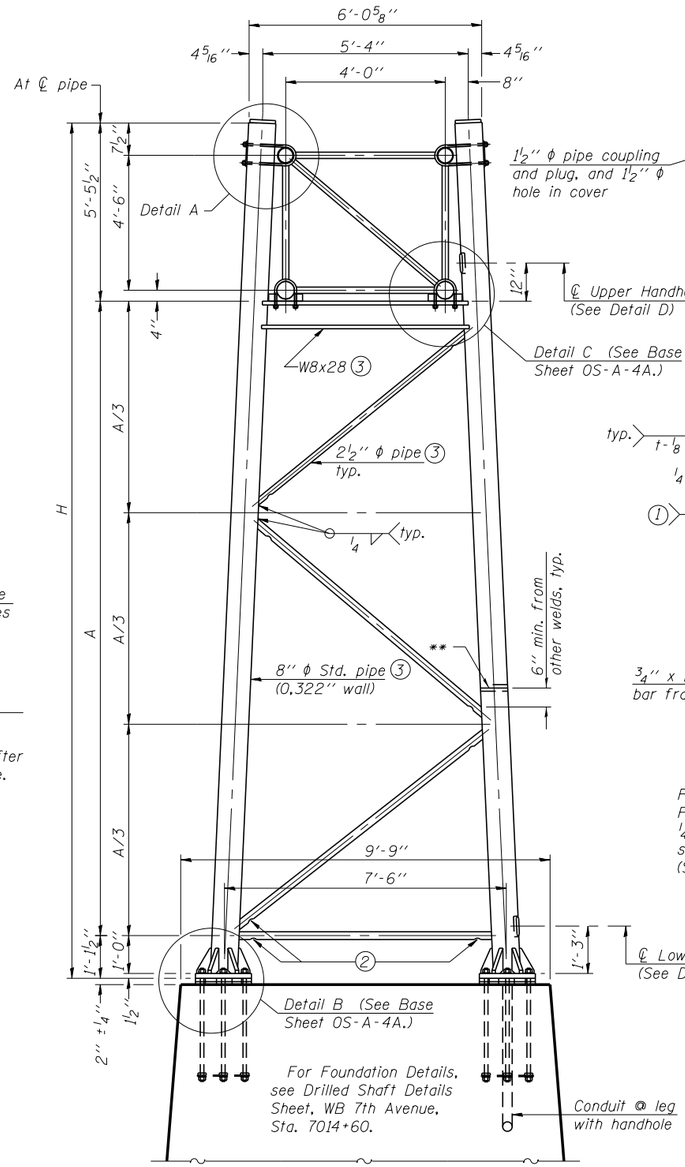


SECTION A-A

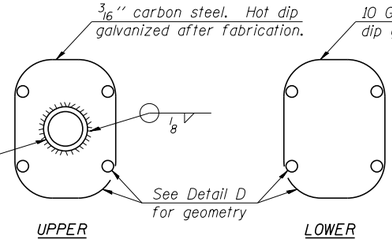
As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



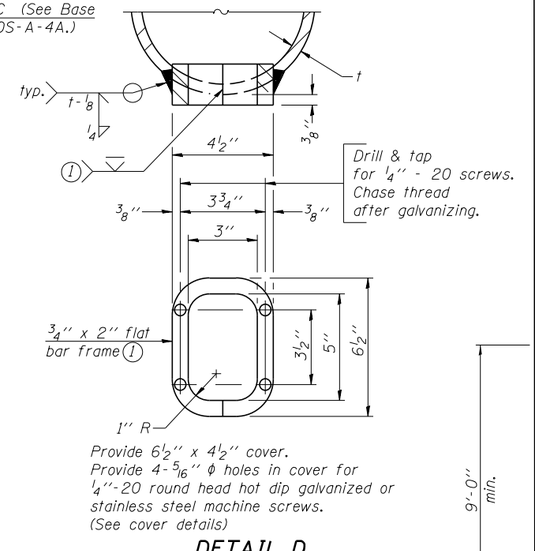
SECTION B-B



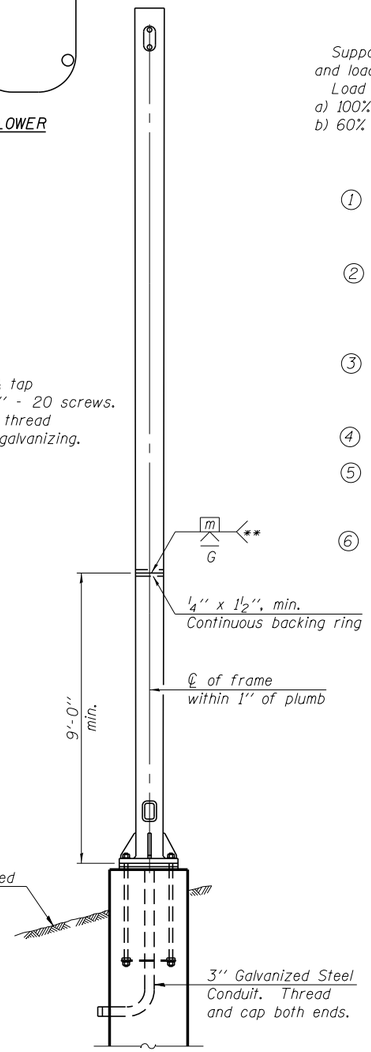
SIDE ELEVATION



HANDHOLE COVERS



DETAIL D



END ELEVATION

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.

HANDHOLES AND CONDUIT IN FOUNDATION ARE INCLUDED IN THIS CONTRACT.

8'' ϕ PIPE TRUSS SUPPORT FRAME

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Structure Number	Station	Support		H (6)	A
		Left	Right		
2S081L007L000.9	7014+60 (7TH AVE)	X	X	25.70'	19.11'

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OS-A-4 6-1-12

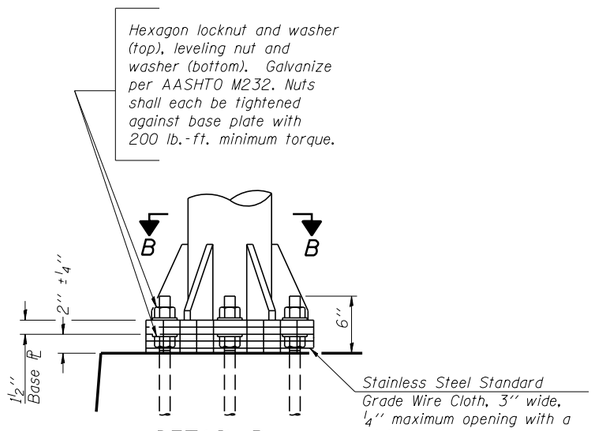
OSS-05

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-05 OS-A-4 Support Frame for Aluminum Truss	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

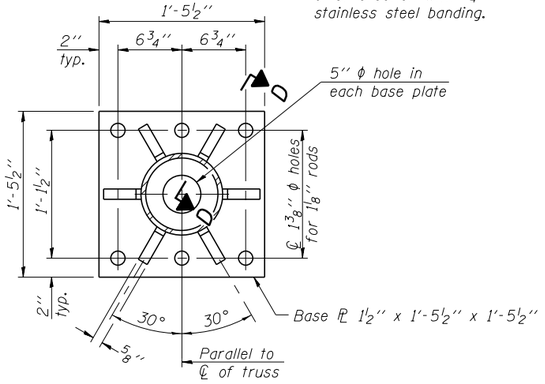
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE I-A ALUMINUM TRUSS
SHEET NO. 5 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	565
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

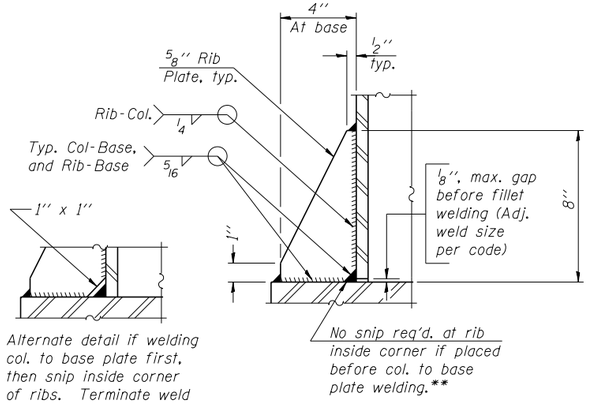


DETAIL B

Ribs shall be cut to fit slope of pipe.

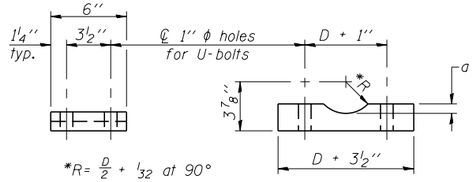


SECTION B-B



** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4'' from snip.

SECTION D-D



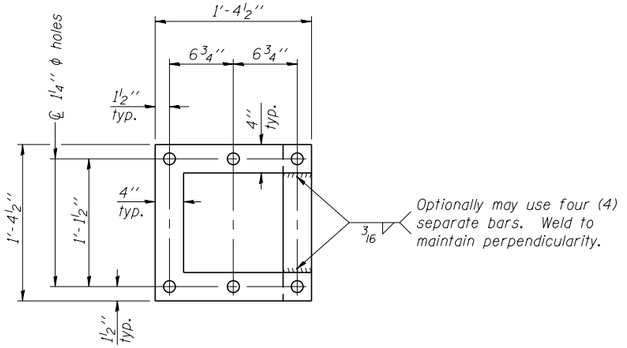
*R = D/2 + 1/32 at 90°

D = Outside Diameter of Chord.

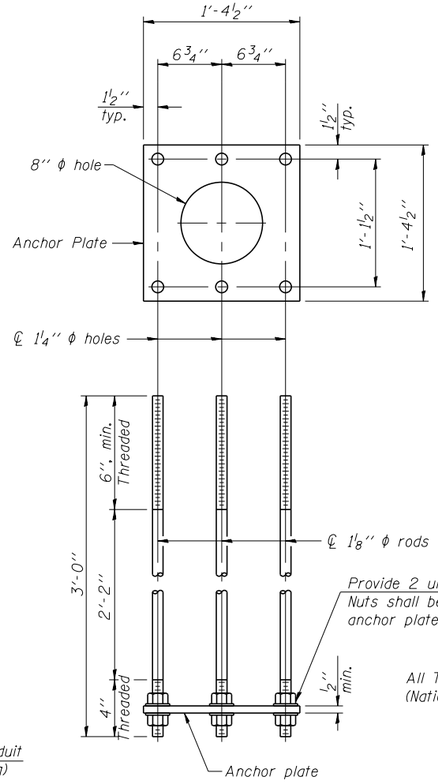
SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5''	3/4''
5 1/2''	13/16''
6''	7/8''
6 1/2''	15/16''

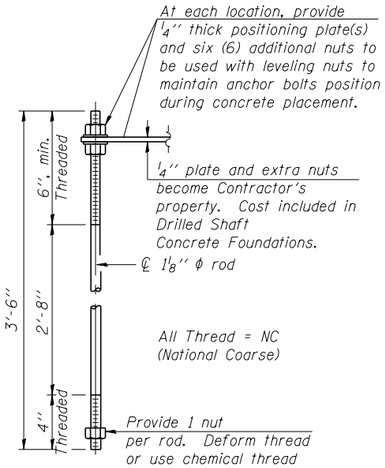


POSITIONING PLATE(S)



ANCHOR ROD DETAIL

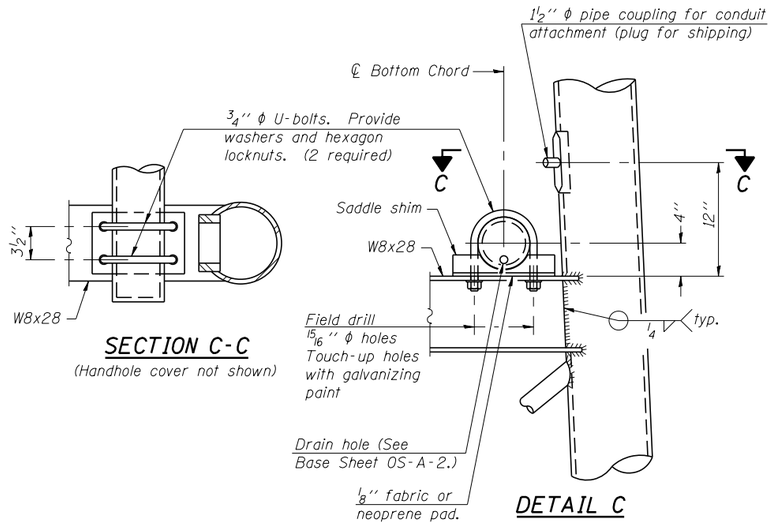
Spread Footing Foundation



ANCHOR ROD DETAIL

Drilled Shaft Foundation

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.



SECTION C-C

(Handhole cover not shown)

DETAIL C

TYPE I-A TRUSS
8'' ϕ PIPE SUPPORT FRAME DETAILS

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OS-A-4A 6-1-12

OSS-06

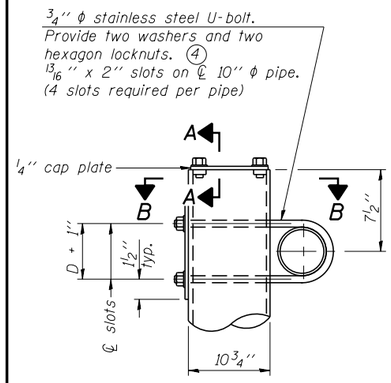
FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-06 OS-A-4A Support Frame Details - Truss	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

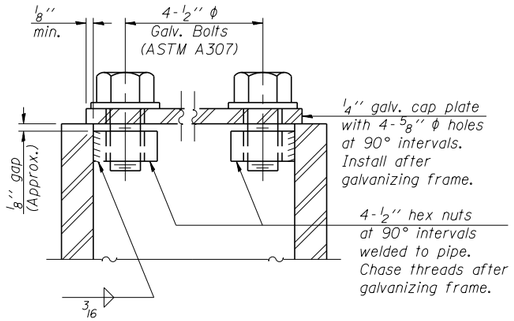
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS – ALUMINUM TRUSS

SHEET NO. 6 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	566
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

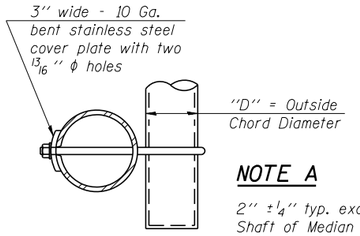


DETAIL A



SECTION A-A

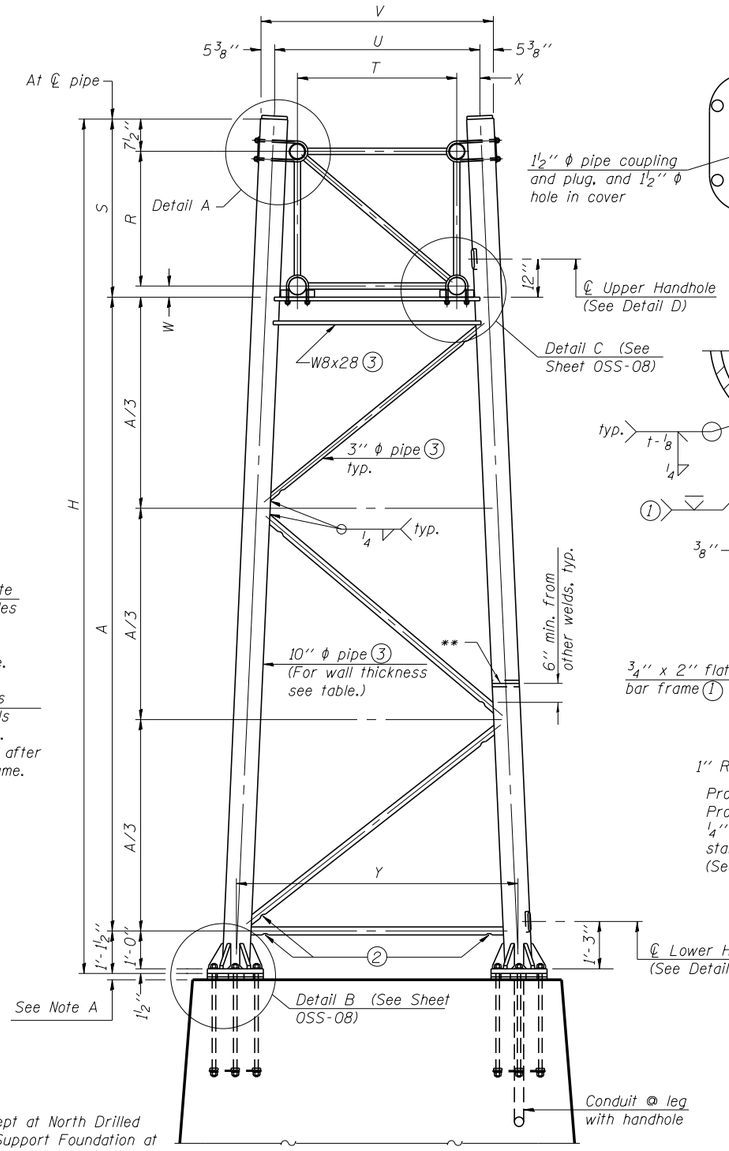
As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B

NOTE A

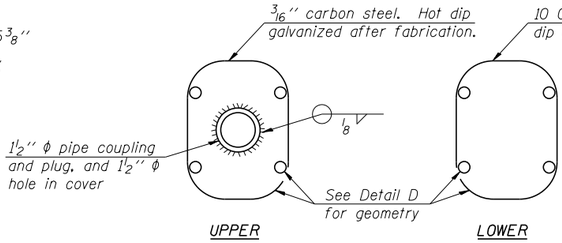
2" ±1/4" typ. except at North Drilled Shaft of Median Support Foundation at Sta. 29+12.50 where the dimension shall be 4" ±1/4".



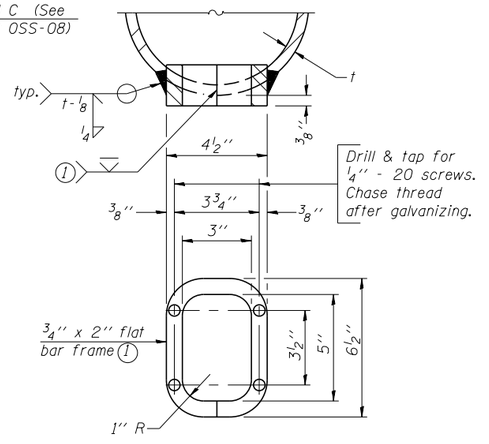
For Foundation Details, see:
- Median Support Foundation Details Sheet, EB I-74, Sta. 29+12.50.
- Drilled Shaft Details Sheet, EB I-74, Sta. 29+12.50.
- Drilled Shaft Details Base Sheet OS4-F3, 7th Avenue, Sta. 7009+07 & 19th Street, Sta. 1913+71.50.

SIDE ELEVATION

Truss Type	Dimensions							
	R	S	T	U	V	W	X	Y
I-A	4'-6"	5'-5 1/2"	4'-0"	5'-6"	6'-4 3/4"	4"	9"	8'-3"
II-A (5)	5'-3"	6'-3 1/4"	4'-6"	6'-1"	6'-11 3/4"	4 3/4"	9 1/2"	8'-3"

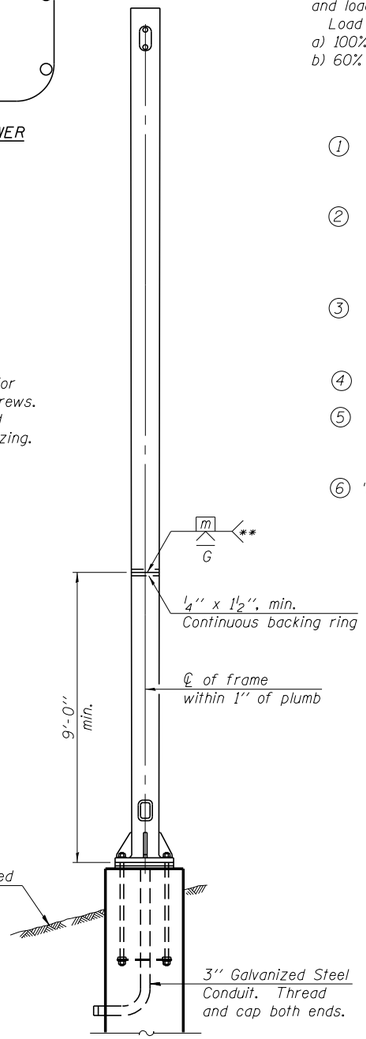


HANDHOLE COVERS



Provide 6 1/2" x 4 1/2" cover.
Provide 4-5/16" ϕ holes in cover for 1/4"-20 round head hot dip galvanized or stainless steel machine screws.
(See cover details)

DETAIL D



END ELEVATION

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.

10" ϕ PIPE TRUSS SUPPORT FRAME

** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

HANDHOLES AND CONDUIT IN FOUNDATION ARE INCLUDED IN THIS CONTRACT EXCEPT FOR THE LEFT (MEDIAN) SUPPORT AT STA. 29+12.50.

Structure Number	Station	Support		Truss Type	Pipe Wall Thickness	H (6)	A
		Left	Right				
2S081I074R000.6	29+12.50 (I-74)	X		I-A	0.279"	24.38'	17.79'
2S081I074R000.6	29+12.50 (I-74)		X	I-A	0.279"	29.77'	23.19'
2S08IL007R001.0	7009+07 (7TH AVE)	X	X	II-A	0.365"	26.34'	18.95'
2S08IL019R001.0	1913+71.50 (19TH ST)	X	X	II-A	0.365"	24.90'	17.51'

END ELEVATION

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OS-A-6 6-1-12

OSS-07

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-07 OS-A-6 Support Frame for Aluminum Truss	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR ALUMINUM TRUSS
SHEET NO. 7 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	567
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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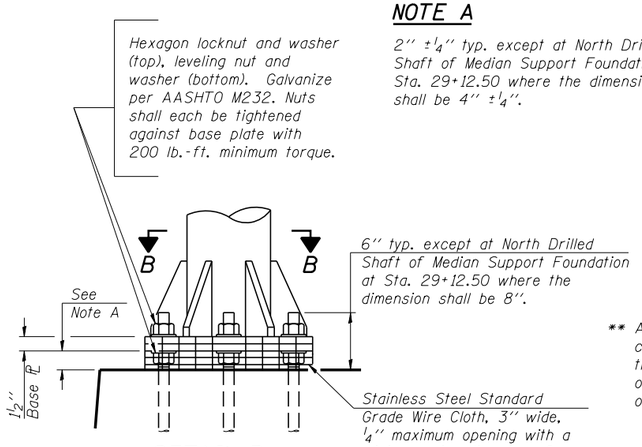
7:15:31 AM
1/19/2017

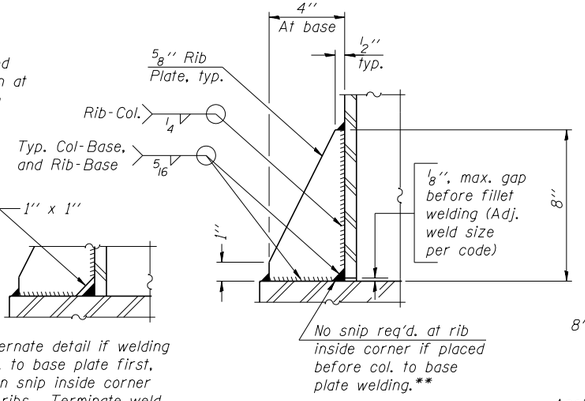
NOTE A

2'' ±1/4'' typ. except at North Drilled Shaft of Median Support Foundation at Sta. 29+12.50 where the dimension shall be 4'' ±1/4''.



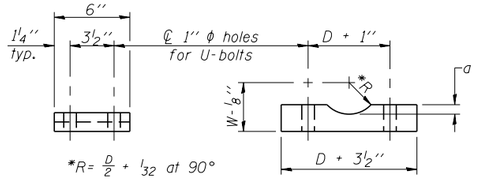
DETAIL B

Ribs shall be cut to fit slope of pipe.



** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4'' from snip.

SECTION D-D



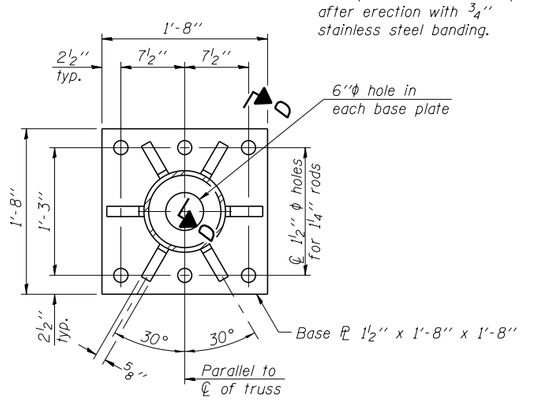
*R = D/2 + 1/32 at 90°

D = Outside Diameter of Chord.
For W, see Base Sheet OS-A-6.

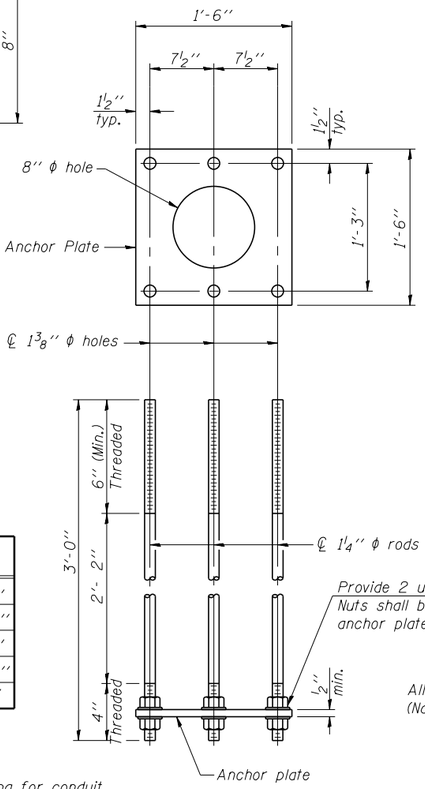
SADDLE SHIM DETAIL

ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

Truss Chord Nominal Dia.	a
5''	3/4''
5 1/2''	13/16''
6''	7/8''
6 1/2''	15/16''
7''	1''

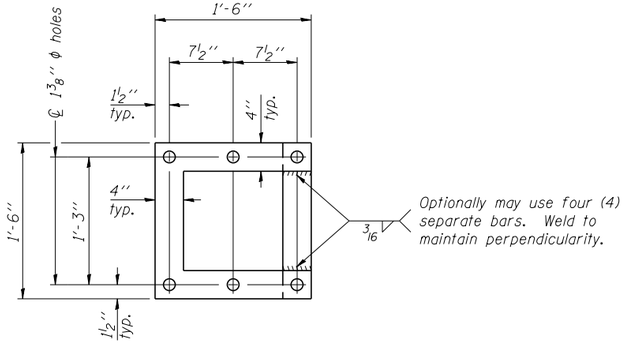


SECTION B-B

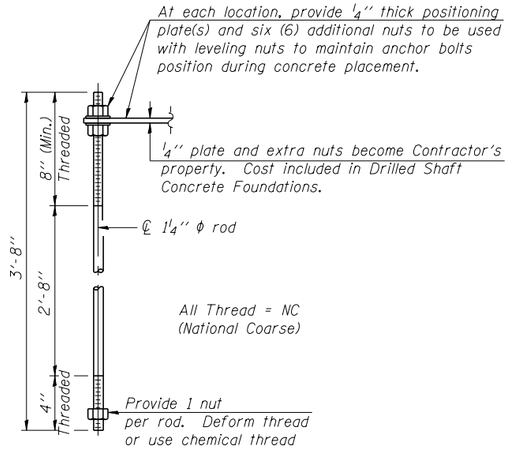


ANCHOR ROD DETAIL

Spread Footing Foundation



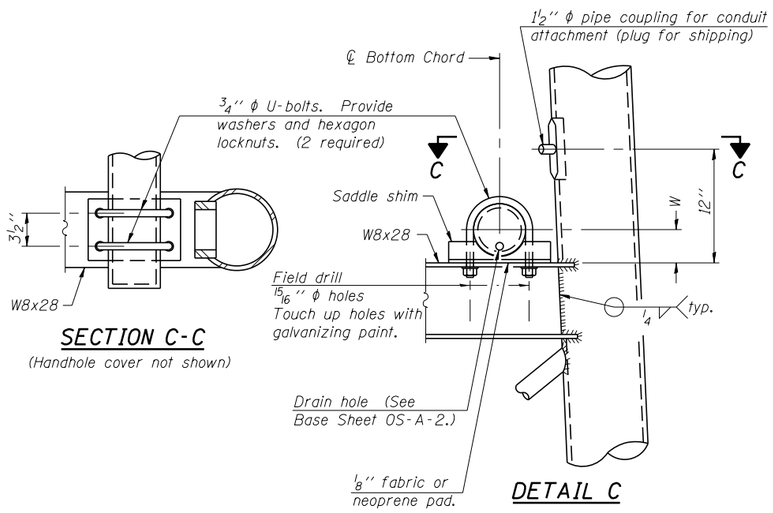
POSITIONING PLATE(S)



ANCHOR ROD DETAIL

Drilled Shaft Foundation

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize upper 12'' minimum per AASHTO M232. No welding shall be permitted on rods.



SECTION C-C

(Handhole cover not shown)

DETAIL C

10'' ϕ PIPE SUPPORT FRAME DETAILS

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312-565-0450 Job No. 10061.04

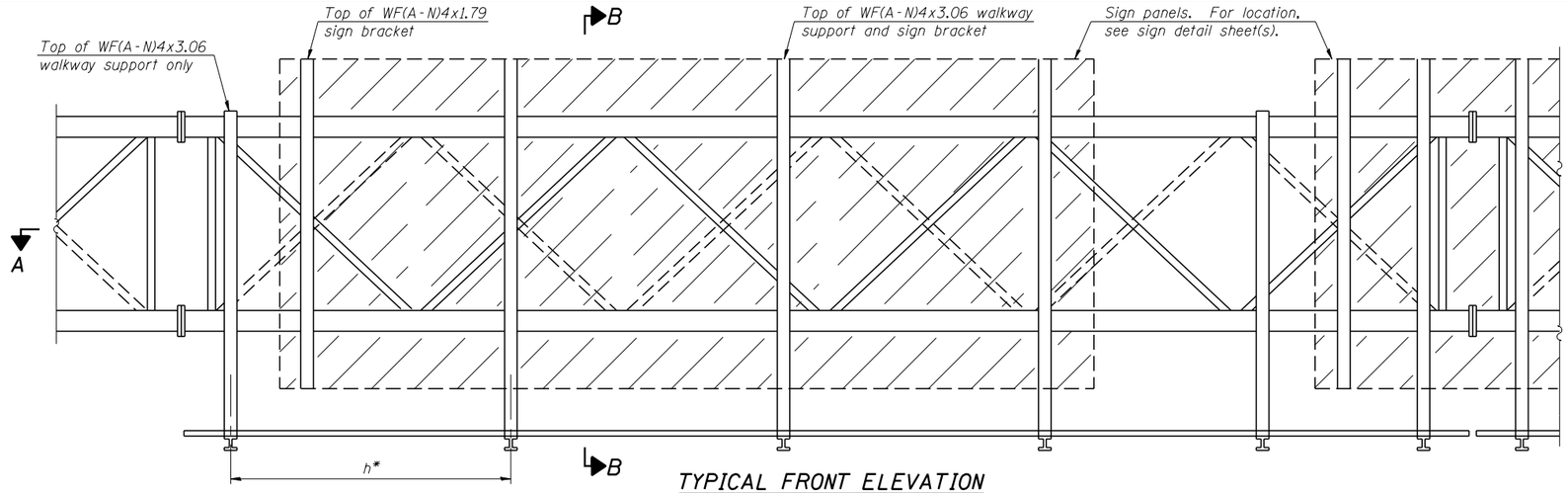
OSS-08

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-08 OS-A-6A Support Frame Details - Aluminum Truss	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

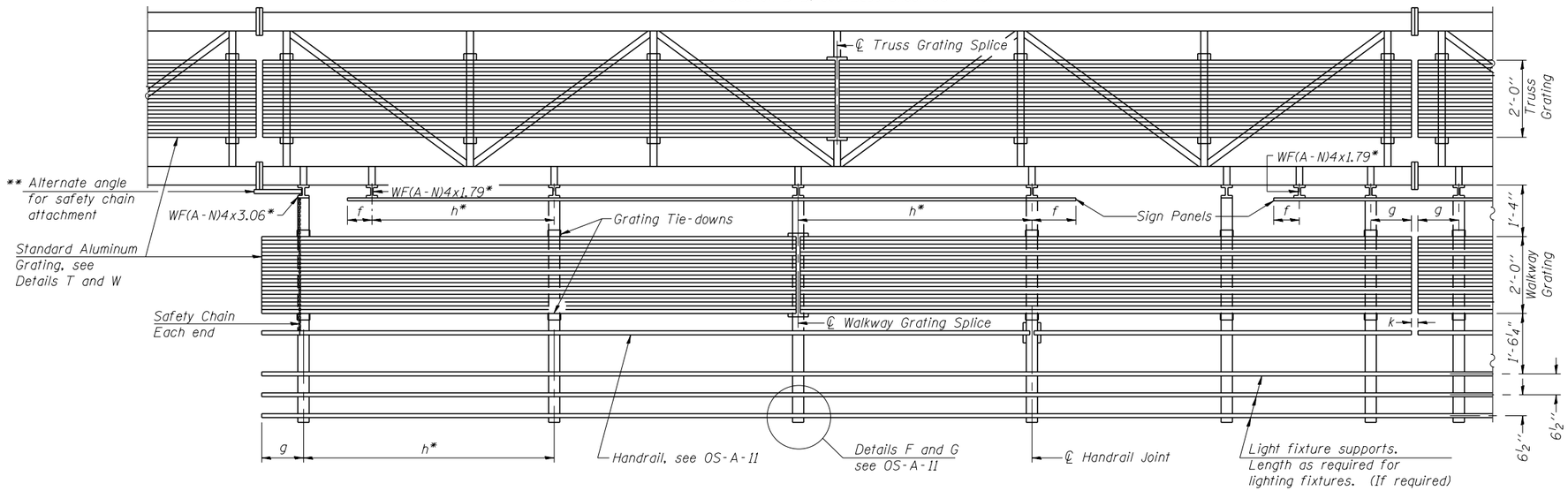
OVERHEAD SIGN STRUCTURES
SUPPORT FRAME DETAILS – ALUMINUM TRUSS
SHEET NO. 8 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	568
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



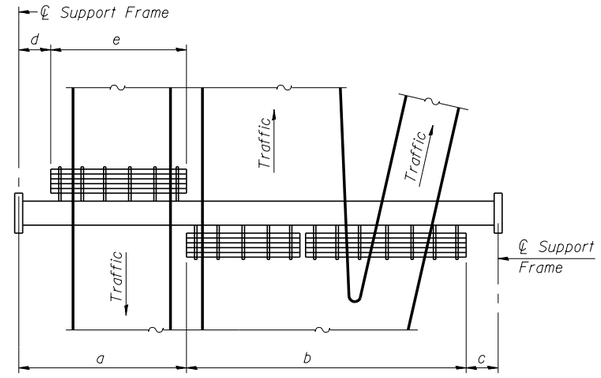
TYPICAL FRONT ELEVATION

With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet OS-A-10.



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
Place all sign and walkway brackets as close to panel points as practical.
Handrail joints, grating, and light support splices placed as needed.



PLAN
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)

BRACKET TABLE

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

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" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway grating to ℄ of nearest support bracket)
h = 6'-0" maximum (℄ to ℄ 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 Grading Splice Details see Base Sheet OS-A-10.
For Handrail Details see Base Sheet OS-A-11.

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.

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12" on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".

Walkway and Truss Grating width dimensions are nominal and may vary ±½" based on available standard widths.

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Chicago, Illinois 60601
312-565-0450 Job No. 10061.04

OS-A-9 6-1-12

OSS-09

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-09 OS-A-9 Aluminum Walkway Details	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS
SHEET NO. 9 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	569
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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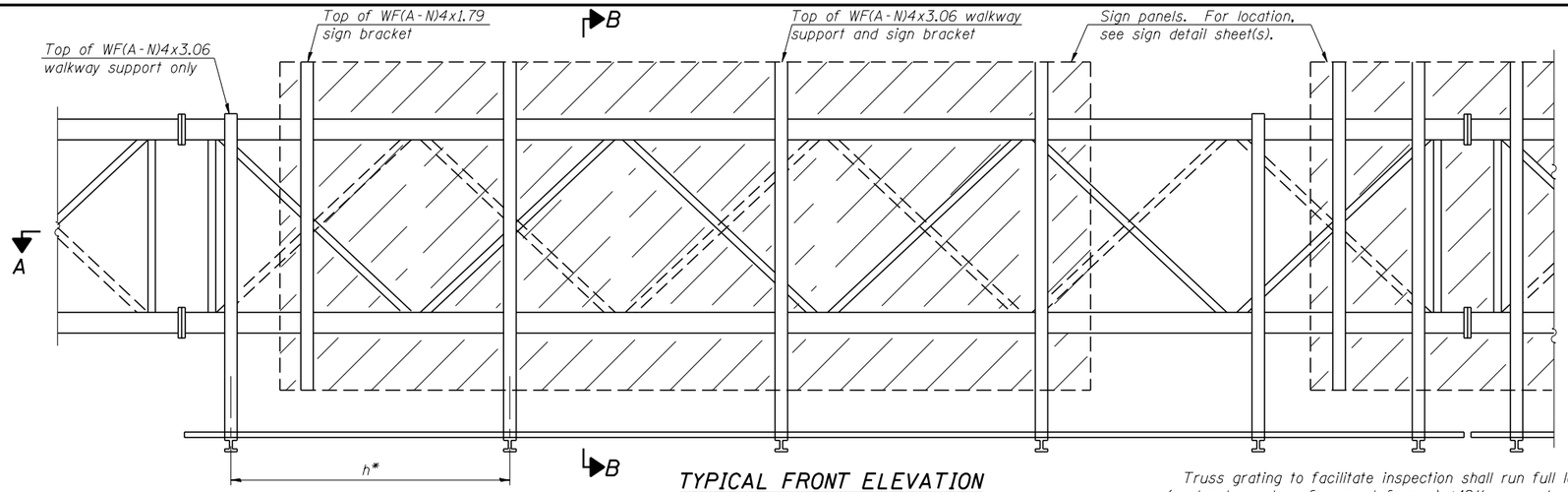
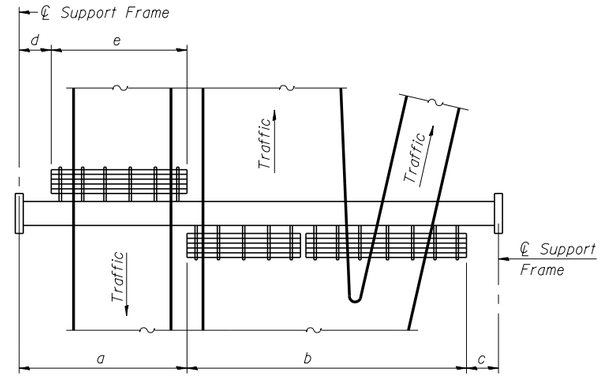


TYPICAL FRONT ELEVATION

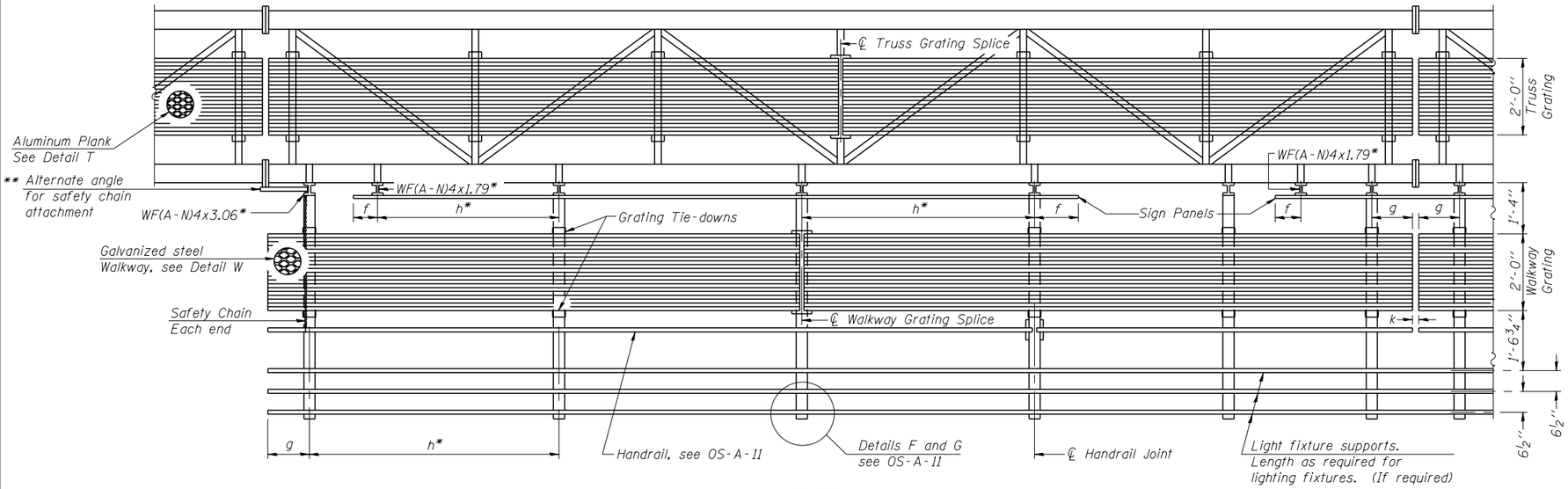
With lights and handrail omitted for clarity.
For Section B-B, see Base Sheet OS-A-10.



PLAN
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)

Truss grating to facilitate inspection shall run full length (center to center of support frames) ±12″ on overhead trusses. Cost of truss grating is included in "Overhead Sign Structure".



SECTION A-A

Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints.
Place all sign and walkway brackets as close to panel points as practical.
Handrail joints, grating, and light support splices placed as needed.

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06 ASTM B308, Alloy 6061-T6		
Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	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.

Note:
Details shown are considered equal alternatives to the Aluminum Walkway on Base Sheet OS-A-9, and may be substituted by Contractor at no change in contract cost.

Walkway and Truss Grating width dimensions are nominal and may vary ±½″ based on available standard widths.

Structure Number	Station	a	b	c	d	e	Walkway Grating and Handrail Lengths

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″ maximum, 4″ minimum (End of sign to ℄ of nearest bracket)
g = 12″ maximum, 4″ minimum (End of walkway grating to ℄ of nearest support bracket)
h = 6′-0″ maximum (℄ to ℄ 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.

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OS-A-9S 6-1-12

OSS-10

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-10 OS-A-9S Alternate Walkway Details	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALTERNATE WALKWAY DETAILS

SHEET NO. 10 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	570
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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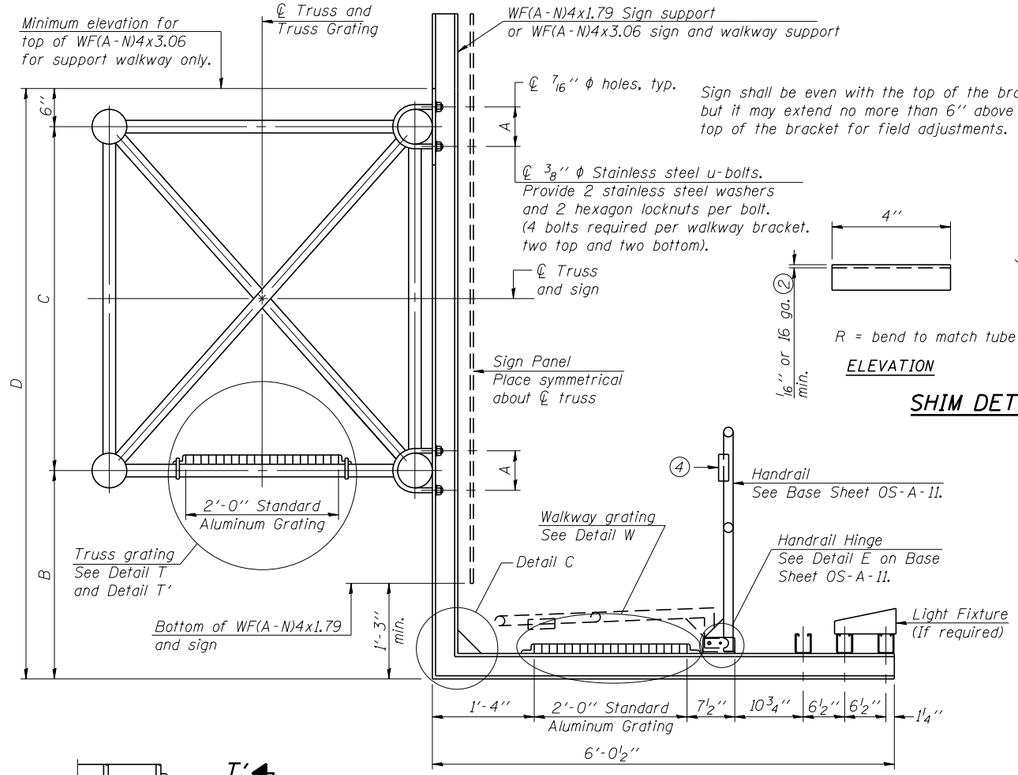
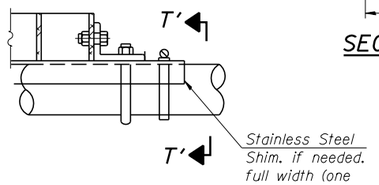
1/19/2017

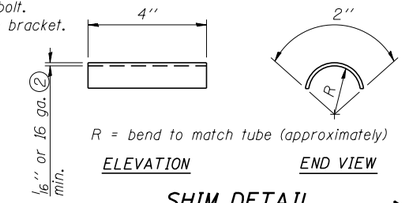


SECTION B-B



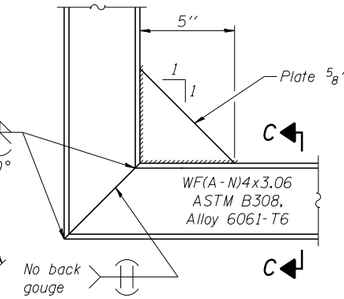
DETAIL T'

(Truss grating splice)
Details not shown same as Detail T.
Alternate materials may be used subject to the Engineer's review and approval.

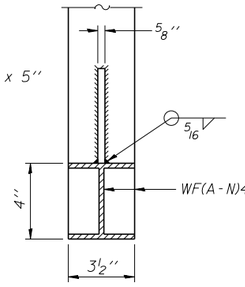


ELEVATION END VIEW

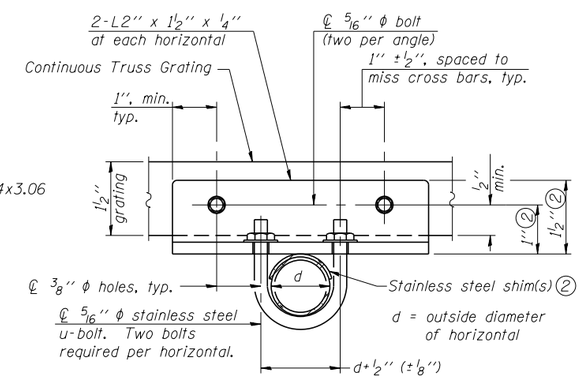
SHIM DETAIL



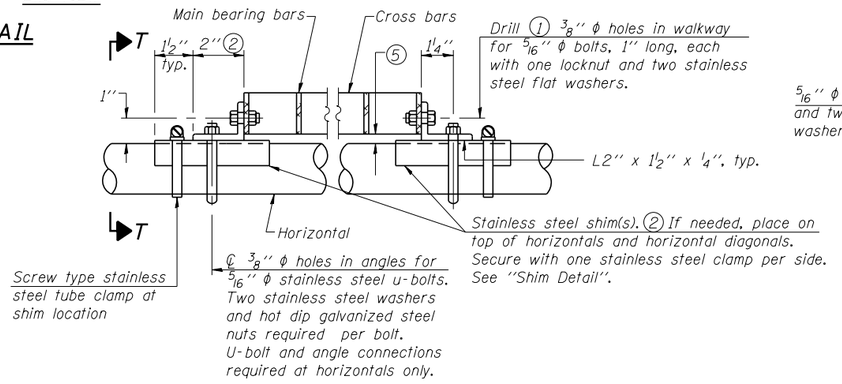
DETAIL C



SECTION C-C

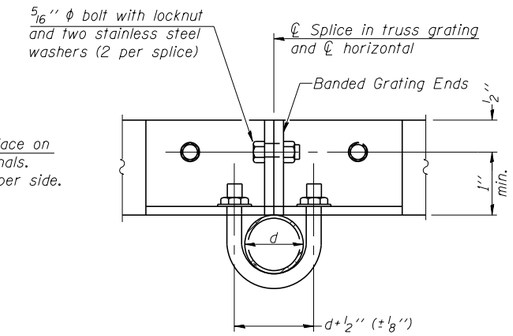


SECTION T-T

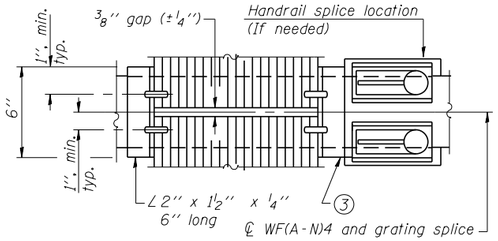


DETAIL T

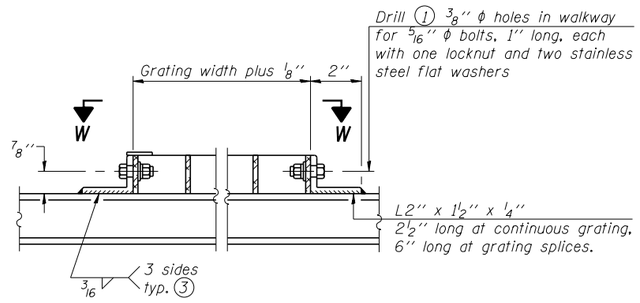
(Continuous Truss grating)



SECTION T'-T'

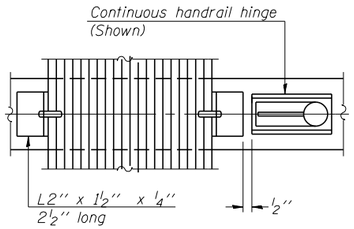


(AT WALKWAY GRATING SPLICE)



DETAIL W

(Walkway grating)



(CONTINUOUS WALKWAY GRATING)

SECTION W-W

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
Cross bars shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "t" sections for main bearing bars shall meet the following requirements:
Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in.^{3} per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	(6) B	C	(6) D
2S081I074R000.6	29+12.50 (I-74)	5 7/8"	----	4'-6"	----
2S081L007L000.9	7014+60 (7TH AVE)	5 3/8"	----	4'-6"	----
2S081L007R001.0	7009+07 (7TH AVE)	7 3/8"	----	5'-3"	----
2S081L019R001.0	1913+71.50 (19TH ST)	7 3/8"	----	5'-3"	----

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.

(1) Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

(2) Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.

(3) If Handrail Joint present, weld angle to WF(A-N)4 and 1/4" extension bars. (See Base Sheet OS-A-11.)

(4) PL 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.

(5) Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.

(6) Based on actual height of tallest sign given on OS-A-1.

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OS-A-10 6-1-12

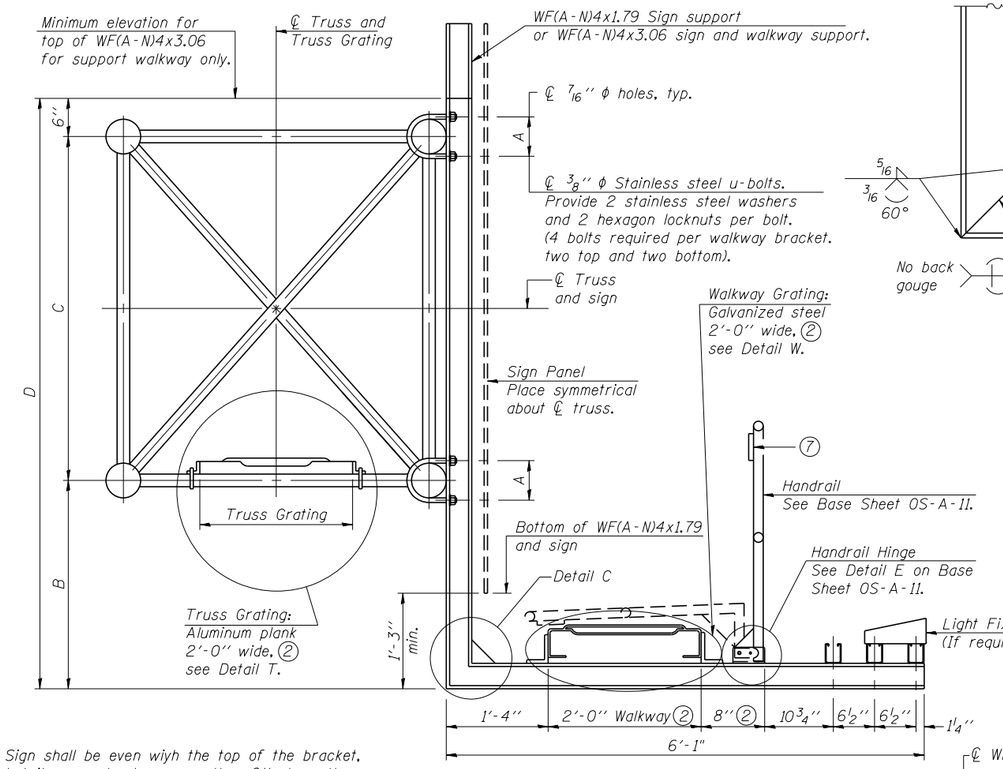
OSS-11

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-11 OS-A-10 Aluminum Walkway Details	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

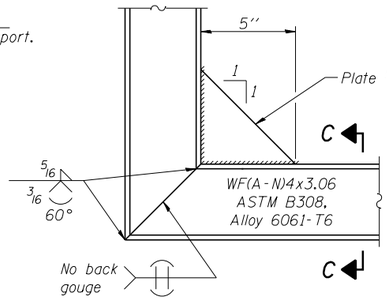
OVERHEAD SIGN STRUCTURES
ALUMINUM WALKWAY DETAILS
SHEET NO. 11 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	571
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

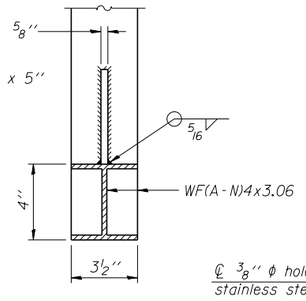


Sign shall be even wiyh the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.

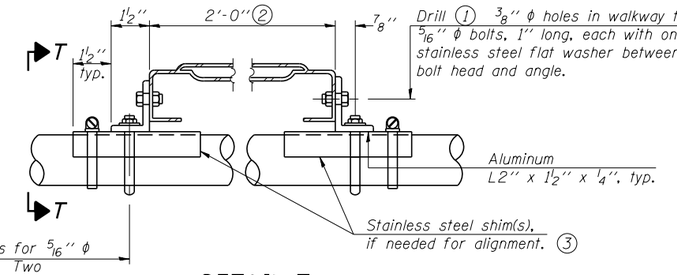
SECTION B-B



DETAIL C

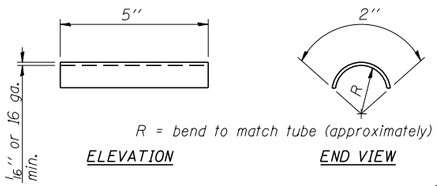


SECTION C-C

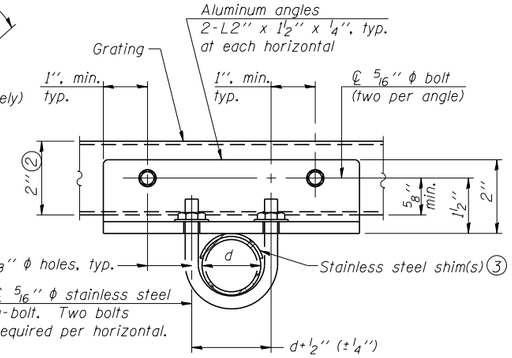


℄ 3/8" ϕ holes in angles for 5/16" ϕ stainless steel u-bolts. Two stainless steel washers and hot dip galvanized steel nuts required per bolt. U-bolt and angle connections required at horizontals only.

DETAIL T
(Truss grating at horizontal)

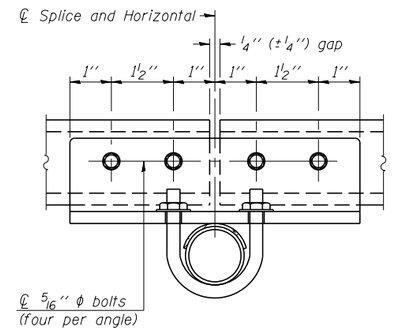


SHIM DETAIL



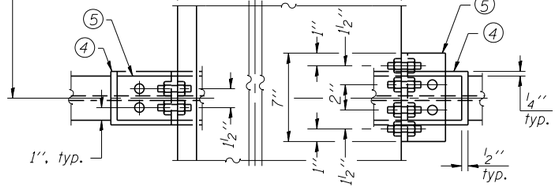
SECTION T-T
(Truss Grating Continuous)

d = outside diameter of horizontal

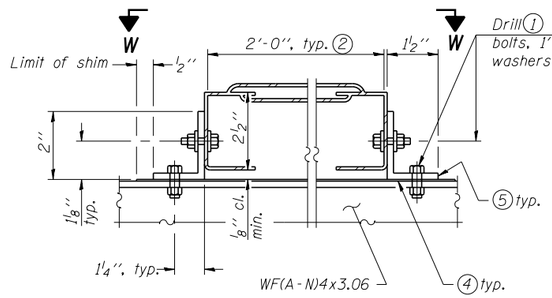


SECTION T-T
(Truss Grating Splice)

Alternate splice details and locations may be used subject to the Engineer's review and approval.



WALKWAY GRATING CONTINUOUS AT WALKWAY GRATING SPLICE



DETAIL W
GALVANIZED STEEL WALKWAY GRATING

SECTION W-W

ALUMINUM TRUSS GRATING

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.

(1) Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

(2) Perforated or expanded metal grating providing a skid resistant (non-serrated) surface and capable of supporting a 500 pound concentrated load with a 6'-0" clear span. Walkway and truss grating dimensions are nominal and may vary (width ±1/2", depth ±1/2") based on available standard sizes. Cut ends of grating shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

(3) Stainless steel shims shall be placed under angles at horizontals and horizontal diagonals if needed to compensate for alignment variations and differences in horizontal diagonal pipe sizes beyond adjustment provided by angles. Secure with one stainless steel clamp per location, see "Shim Detail". Thicker shim plates may be used when needed subject to shims performing properly.

(4) 1/16" (or 16 ga.) x 2 1/2" x 4" stainless steel shim adhered to top of WF(A-N)4x3.06 beneath each galvanized angle. Adhesives for shims shall be suitable for materials joined and full exposure conditions.

(5) Galvanized steel L2" x 2" x 1/4", 3 1/2" long with continuous grating, 7" long at grating splice.

(6) Details shown are considered equal alternatives to the Aluminum Walkway on Base Sheet OS-A-10 and may be substituted by Contractor at no change in contract cost.

(7) PL 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.

(8) Based on actual height of tallest sign given on OS-A-1.

Structure Number	Station	A	(8) B	C	(8) D
2S081I074R000.6	29+12.50 (I-74)	5 7/8"	----	4'-6"	----
2S081L007L000.9	7014+60 (7TH AVE)	5 3/8"	----	4'-6"	----
2S081L007R001.0	7009+07 (7TH AVE)	7 3/8"	----	5'-3"	----
2S081L019R001.0	1913+71.50 (19TH ST)	7 3/8"	----	5'-3"	----

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312-565-0450 Job No. 10061.04

OS-A-10S 6-1-12

OSS-12

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-12 OS-A-10S Alternate Walkway Deta	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALTERNATE WALKWAY DETAILS
SHEET NO. 12 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	572
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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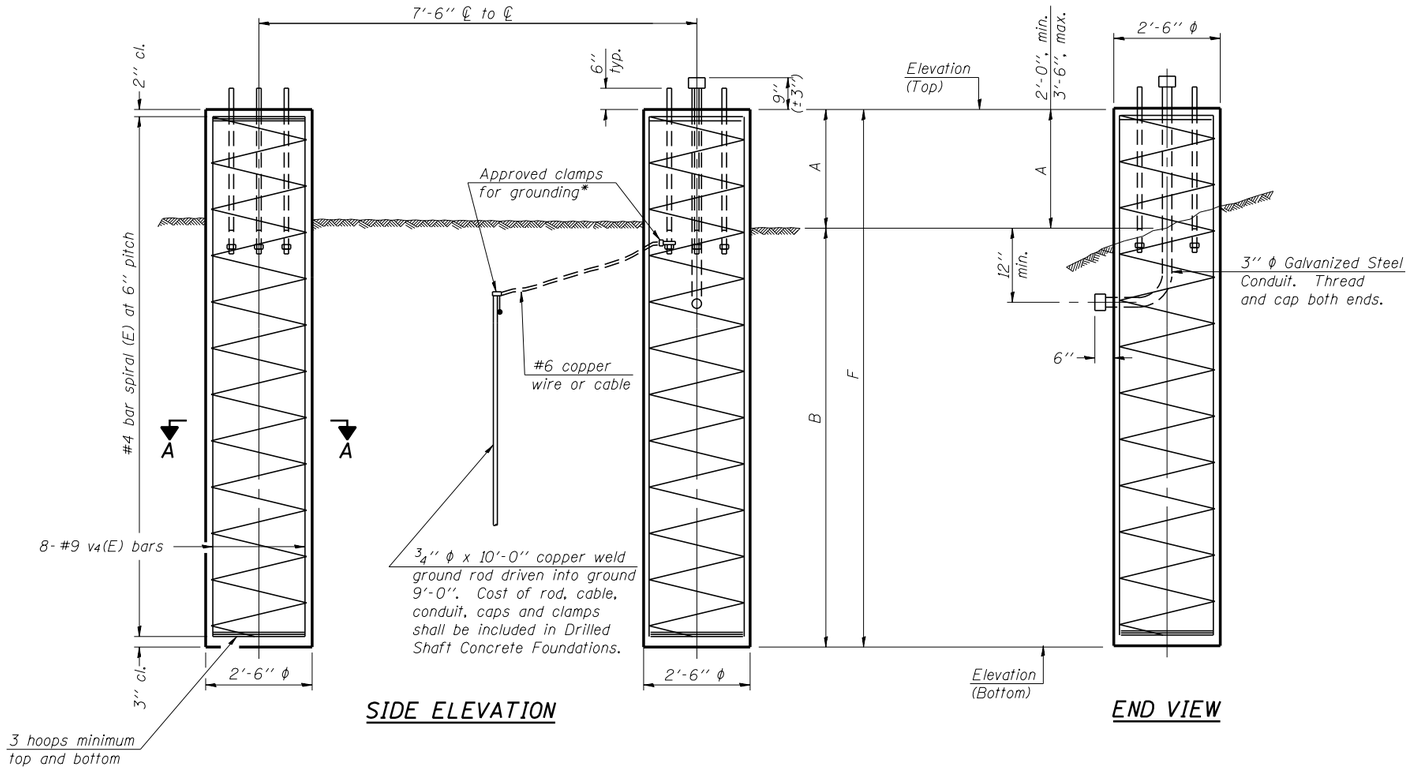
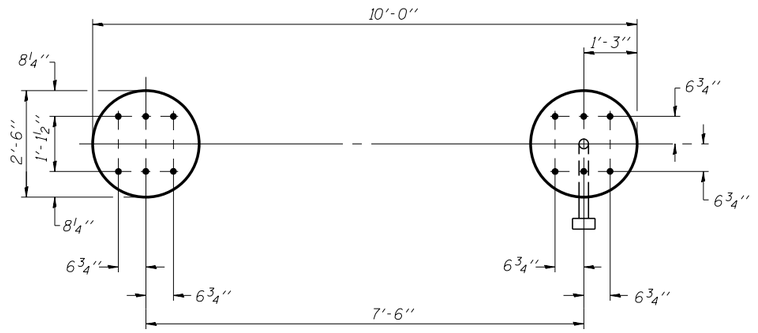
1/19/2017



SIDE ELEVATION

END VIEW



PLAN

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

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

** Soils are typically a mix of granular and cohesive materials with average Qu values less than 1.25 tsf as shown on soil boring logs SB-103 and SB-104 on Sheet OSS-31. The design details and foundation data shown on this sheet are a result of a site specific design.

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

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	16	#9	F less 5"	——
#4 bar spiral (E) - see Side Elevation				

NOTES:

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

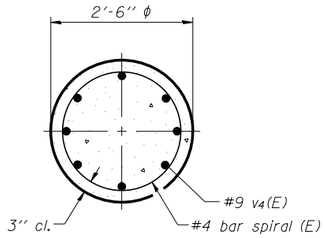
No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

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

A normal surface finish followed by a 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.



SECTION A-A

DETAILS FOR 8" ϕ SUPPORT FRAME TYPE I-A TRUSS

Structure Number	Station	Left Foundation (Median)					Right Foundation (Outside)					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B**	F**	Elevation Top	Elevation Bottom	A	B**	F**	
2S081L007L000.9	7014+60 (7TH AVE)	585.44	558.94	2.00'	24.50'	26.50'	585.44	558.39	2.55'	24.50'	27.05'	20

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OSS-13

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-13 OS4-F2 Drilled Shaft Details	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS
WB 7TH AVENUE, STA. 7014+60
SHEET NO. 13 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	573
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

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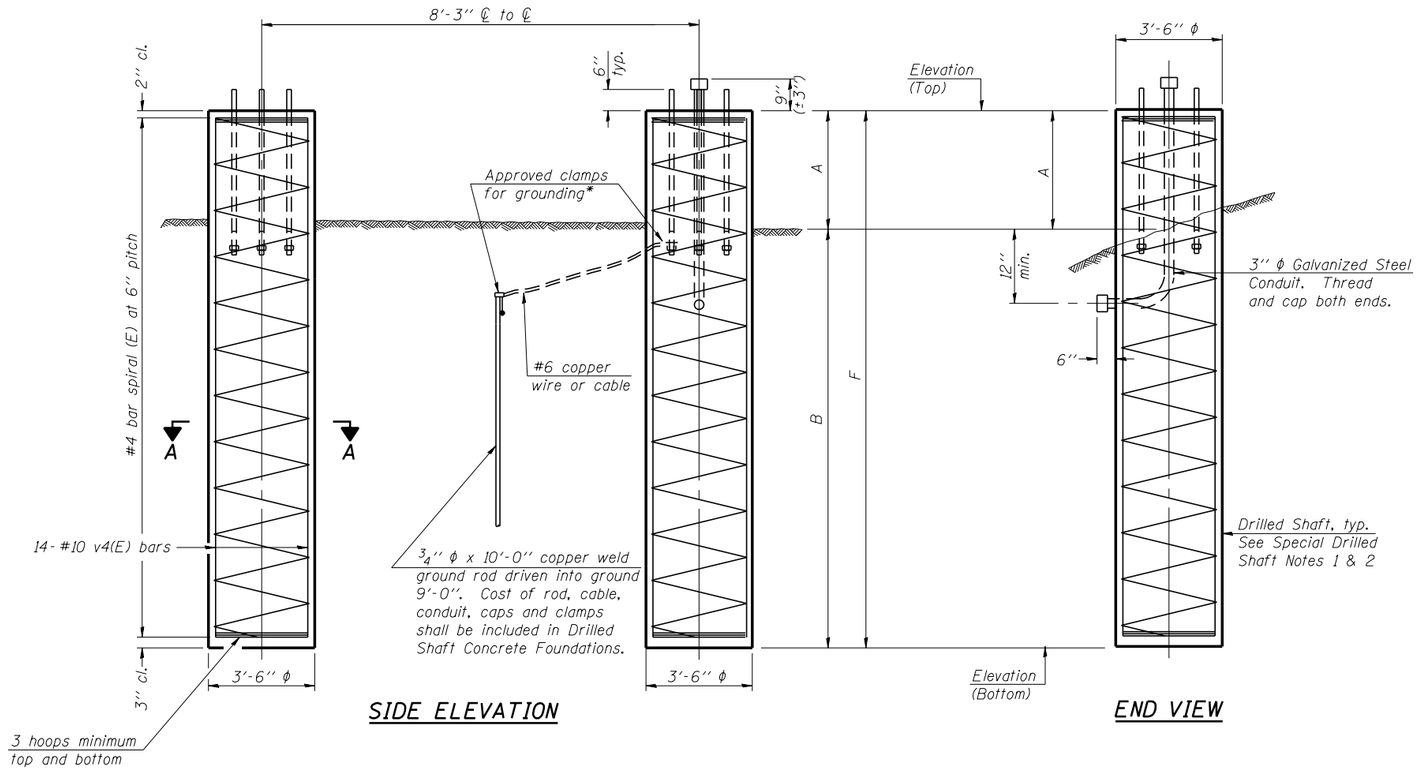
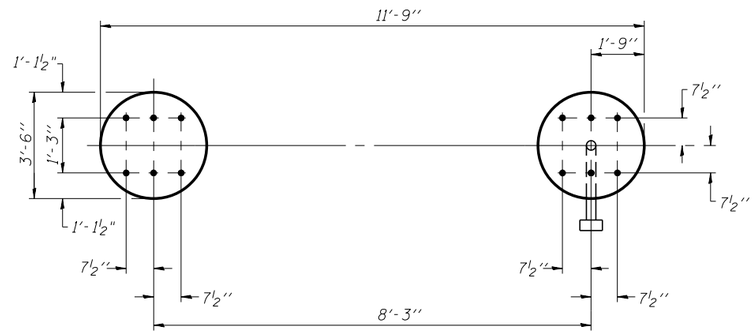


SIDE ELEVATION

END VIEW



PLAN

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

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

DETAILS FOR 10" ϕ SUPPORT FRAME TYPE I-A TRUSS

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

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	28	#10	F less 5"	———
#4 bar spiral (E) - see Side Elevation				

NOTES:

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

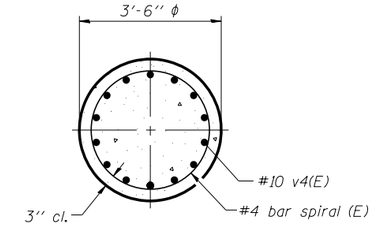
No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

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

A normal surface finish followed by a 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.



SECTION A-A

SPECIAL DRILLED SHAFT NOTES:

1. SEE RETAINING WALL 16 (S.N. 081-6018) PLANS FOR ADJACENT MSE WALL AND LEVELING PAD DETAILS. THE DRILLED SHAFTS SHALL BE INSTALLED AFTER THE REQUIRED SETTLEMENT PERIOD FOR THE PROPOSED EMBANKMENT PLACED AT THIS LOCATION. DURING PLACEMENT OF THE EMBANKMENT, THE SHAFTS SHALL BE INSTALLED FROM THE BOTTOM OF THE ADJACENT LEVELING PAD ELEVATION AND PRIOR TO CONSTRUCTING THE MSE WALL.

2. EXISTING AND PROPOSED SOILS AT THIS LOCATION ARE TYPICALLY A MIX OF GRANULAR AND COHESIVE MATERIALS WITH AVERAGE Qu VALUES LESS THAN 1.25 TSF. SEE SOIL BORING LOG RW1504 INCLUDED IN THE RETAINING WALL 16 (S.N. 081-6018) PLANS FOR ADDITIONAL INFORMATION. THE DESIGN DETAILS AND FOUNDATION DATA SHOWN ON THIS SHEET ARE A RESULT OF A SITE SPECIFIC DESIGN.

Structure Number	Station	Left Foundation (Median)					Right Foundation (Outside)					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B (See Note 2)	F (See Note 2)	
2S081I074R000.6	29+12.50 (I-74)	----	----	----	----	----	592.00	557.00	10.67'	24.33'	35.00'	25

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OSS-14

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-14 OS4-F3 Drilled Shaft Details (Spec)	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS
EB I-74, STA. 29+12.50
SHEET NO. 14 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	574
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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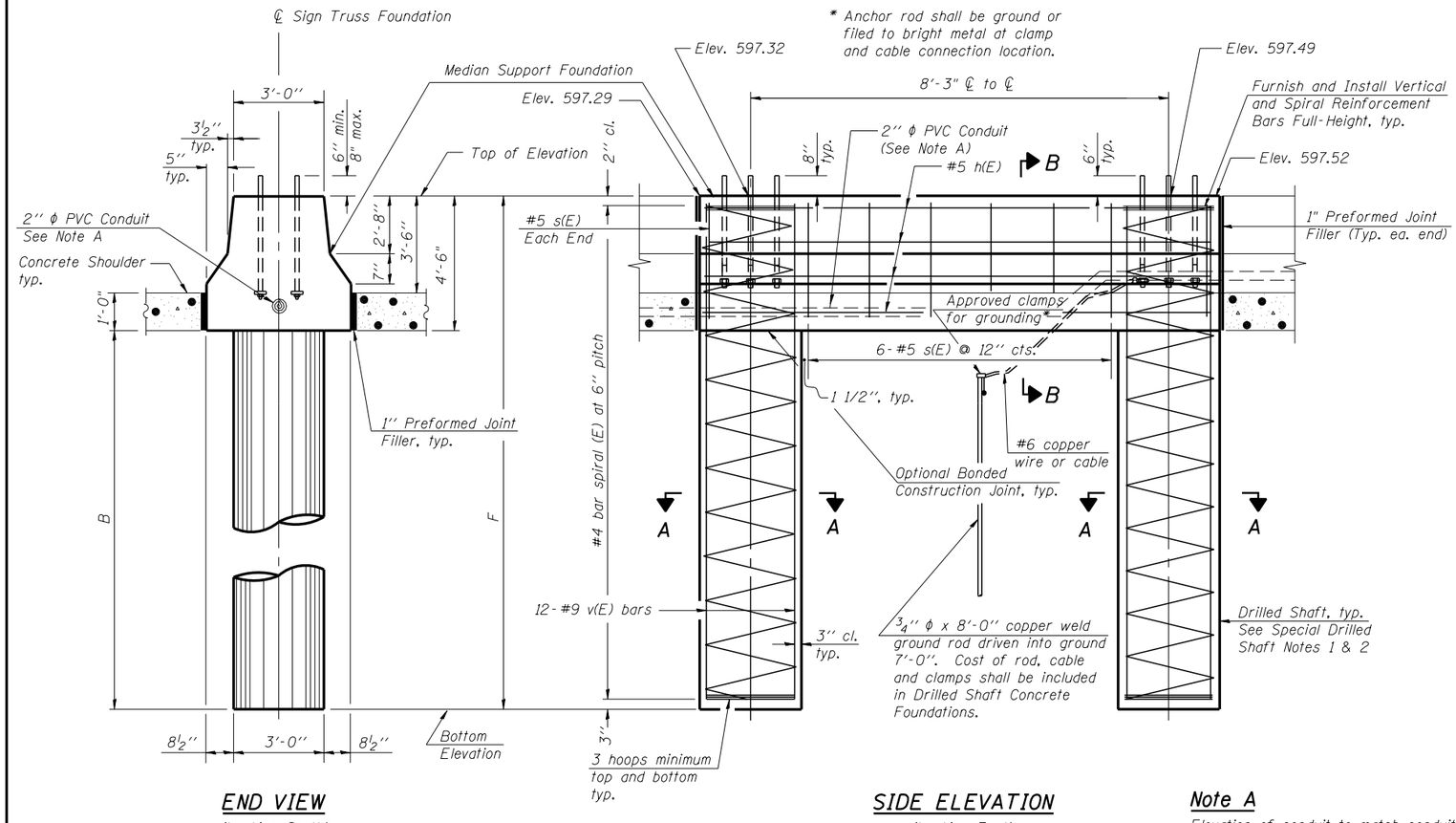


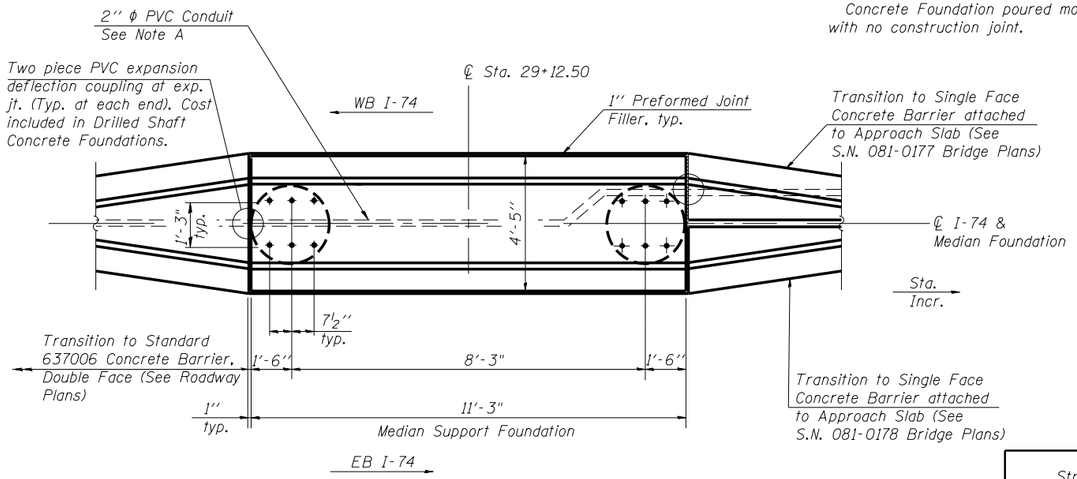
END VIEW

(Looking South)

SIDE ELEVATION

(Looking East)

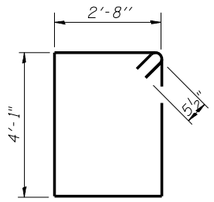
Concrete Foundation poured monolithically with no construction joint.



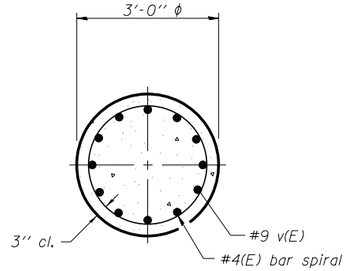
PLAN

Note A

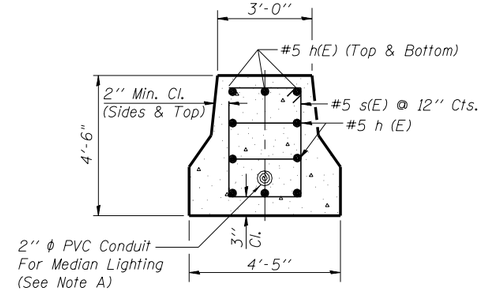
Elevation of conduit to match conduits in adjacent Concrete Barrier Transitions. See Roadway, Bridge and Lighting plans. Cost of conduit is included in Drilled Shaft Concrete Foundations.



BAR s(E)



SECTION A-A



SECTION B-B

(Concrete Shoulder omitted for clarity)

NOTES:

If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

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

A normal surface finish followed by a 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.

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

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

SPECIAL DRILLED SHAFT NOTES:

1. THE DRILLED SHAFTS SHALL BE INSTALLED AFTER THE REQUIRED SETTLEMENT PERIOD FOR THE PROPOSED EMBANKMENT PLACED AT THIS LOCATION AND PRIOR TO CONSTRUCTING THE ADJACENT BRIDGE APPROACH SLABS. SEE S.N. 081-0177 AND S.N. 081-0178 BRIDGE PLANS FOR DETAILS.

2. THE PROPOSED EMBANKMENT AT THIS LOCATION MAY CONSIST OF GRANULAR OR COHESIVE MATERIALS WITH AVERAGE Qu VALUES LESS THAN 1.25 TSF. AS A RESULT, THE DESIGN DETAILS AND FOUNDATION DATA SHOWN ON THIS SHEET ARE A RESULT OF A SITE SPECIFIC DESIGN ASSUMING THE EMBANKMENT CONSISTS OF MEDIUM DENSE SAND WITH A UNIT WEIGHT OF 120 PCF AND A FRICTION ANGLE OF 33 DEGREES. IF A HIGHER DENSITY GRANULAR MATERIAL OR A COHESIVE MATERIAL WITH AN AVERAGE Qu OF AT LEAST 1.25 TSF IS USED FOR THE EMBANKMENT, THE DESIGN DETAILS AND FOUNDATION DATA SHOWN ON THIS SHEET SHALL APPLY.

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
h(E)	10	#5	10'-11"	——
s(E)	8	#5	14'-5"	□
v(E)	24	#9	F less 5"	——
#4(E) bar spiral _ see Side Elevation				

All reinforcement bars shown are included in the contract unit price for Drilled Shaft Concrete Foundations.

Structure Number	Station	Left Foundation (Median)				Right Foundation (Outside)				**Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	B (See Note 2)	F (See Note 2)	Elevation Top	Elevation Bottom	B	F	
2S0811074R000.6	29+12.50 (I-74)	597.32 & 597.49	576.32 & 576.49	16.50'	21.00'	---	---	---	---	16

** Includes drilled shafts and barrier.

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OSS-15

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-15 OS4-MED Median Support Foundat	PLOT DATE(Specia19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
MEDIAN SUPPORT FOUNDATION DETAILS
EB I-74, STA. 29+12.50
SHEET NO. 15 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	575
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

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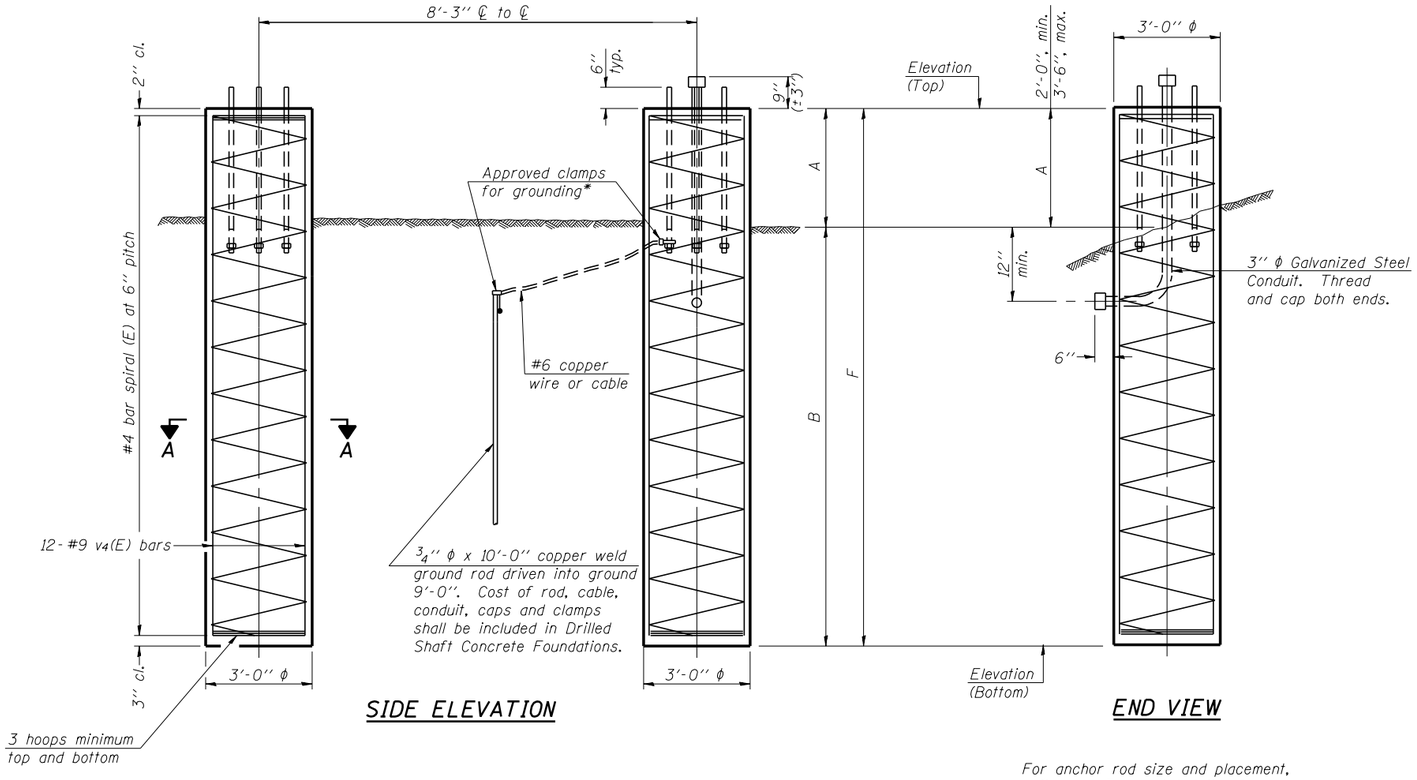
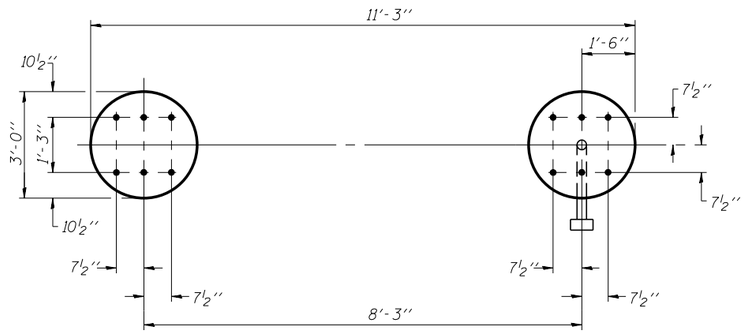


SIDE ELEVATION

END VIEW



PLAN

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

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

** Soils are typically a mix of granular and cohesive materials with an average O_u value less than 1.25 tsf as shown on the soil boring log SB-105. The design details and foundation data shown on this sheet are a result of a site specific design.

*** Rock Excavation for Structures is estimated between Elevations 561.70 and 555.29 for the right foundation shafts.

**** Install Drilled Shafts during the 19th St./ 7th Ave. Intersection closure in pre-stage 2.

BAR LIST - EACH FOUNDATION

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

NOTES:

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

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

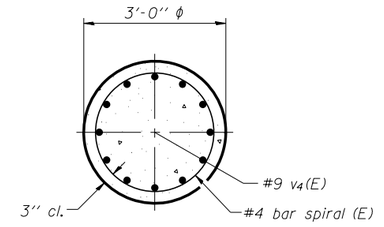
No sonotubes or decomposable forms shall be used below the lower conduit entrance.

Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

Concrete shall be placed monolithically, without construction joints.

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

A normal surface finish followed by a 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.



SECTION A-A

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

	Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)	Rock Excavation for Structures (Cu. Yds.)
			Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F		
	2S081L007R001.0	7009+07 (7TH AVE)	590.44	566.78	2.66'	21.00'	23.66'	590.44	567.44	2.00'	21.00'	23.00'	24	----
****	2S081L019R001.0	1913+71.50 (19TH ST)	591.36	568.86	2.00'	20.50'	22.50'	591.36	555.29	2.57'	33.50' **	36.07' **	31	4 ***

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

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OS4-F3 8-21-13 OSS-16

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-16 OS4-F3 Drilled Shaft Details	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS
7TH AVENUE, STA. 7009+07 & 19TH STREET, STA 1913+71.50
SHEET NO. 16 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	576
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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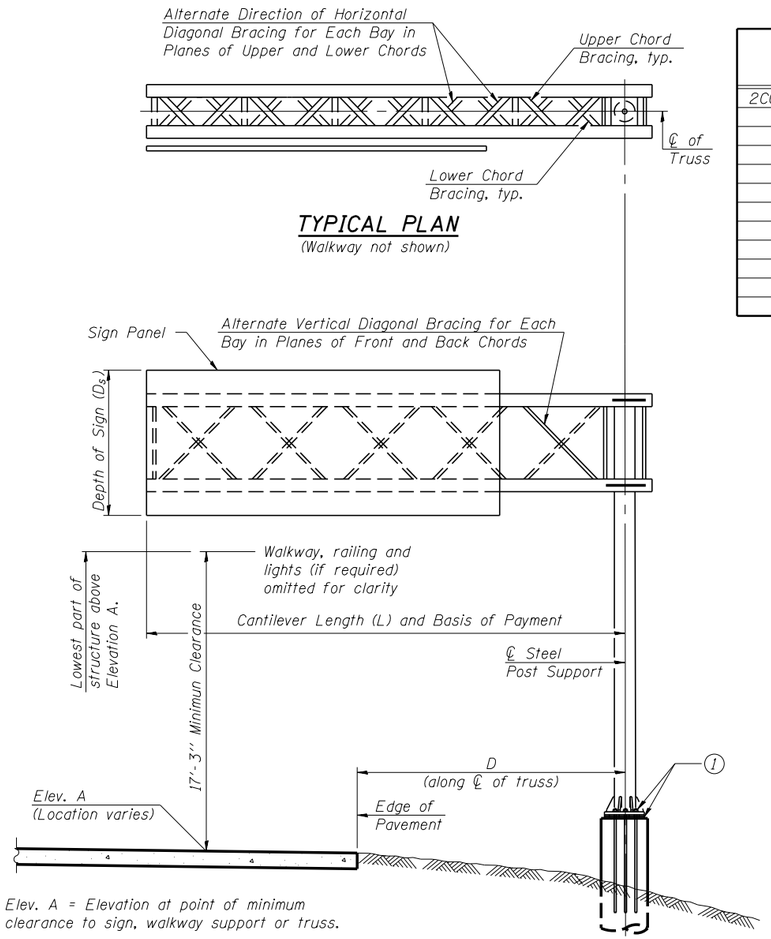


TYPICAL PLAN

(Walkway not shown)

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

TYPICAL ELEVATION

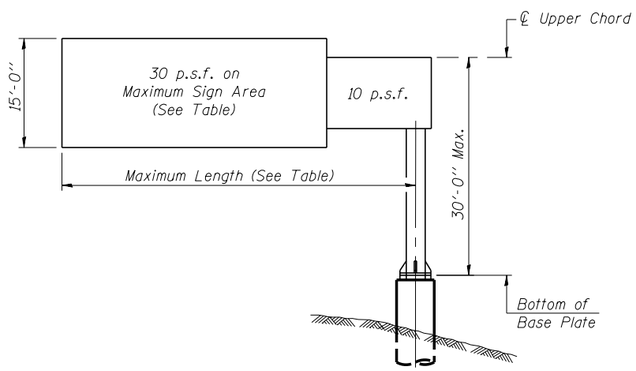
Looking in Direction of Traffic

Sign support structures may be subject to damaging vibrations and oscillations when sign panels 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.

WALKWAY GRATING, WALKWAY SUPPORTS, HANDRAIL AND LIGHTING ARE NOT INCLUDED IN THIS CONTRACT, UNLESS NOTED OTHERWISE. CONSTRUCTION SEQUENCE OF THE CANTILEVER SIGN STRUCTURE AND FOUNDATION IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONSIDER THE MAINTENANCE OF TRAFFIC PLANS.

Structure Number	Station	Design Truss Type	Cantilever Length (L)	Elev. A	Dim. D	D_s	Total Sign Area
2C08IL007R001.0	7006+40 (7TH AVE)	II-C-A	30.00′	588.15	17.20′	8.00′	100 S.F.

Truss Type	Maximum Sign Area	Maximum Length
I-C-A	170 Sq. Ft.	25 Ft.
II-C-A	340 Sq. Ft.	30 Ft.
III-C-A	400 Sq. Ft.	40 Ft.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.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 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 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.

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

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

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

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

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

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE I-C-A	Foot	
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE II-C-A	Foot	30
OVERHEAD SIGN STRUCTURE CANTILEVER TYPE III-C-A	Foot	
OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	Foot	
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	9

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OSC-A-1 8-21-13

OSS-17

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-17 OSC-A-1 General Plan and Elevation	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – GENERAL PLAN & ELEVATION
ALUMINUM TRUSS & STEEL POST
SHEET NO. 17 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	577
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

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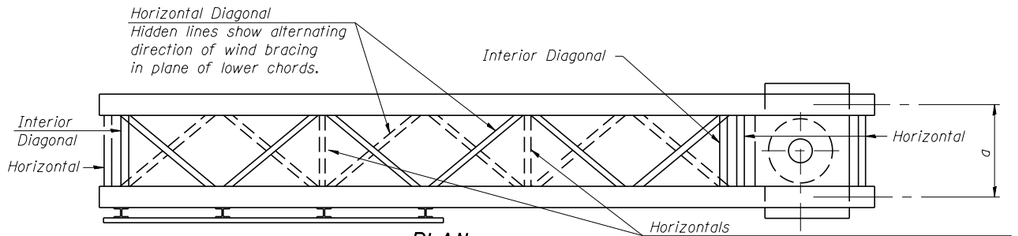
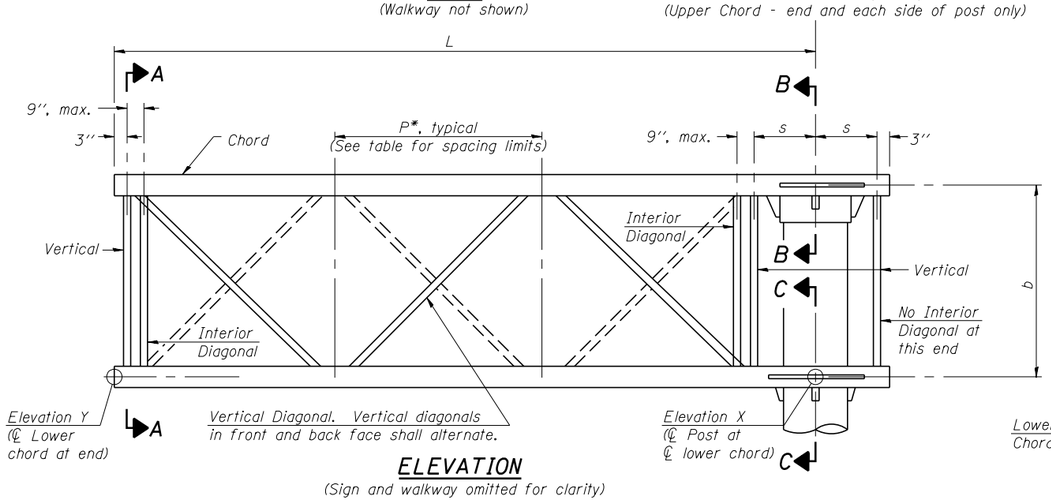
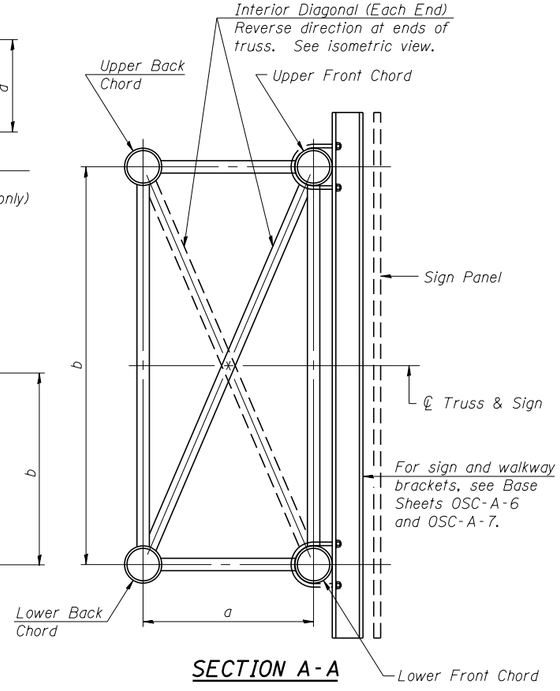


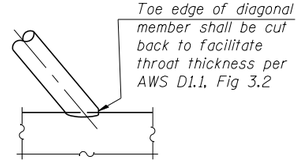
PLAN
(Walkway not shown)



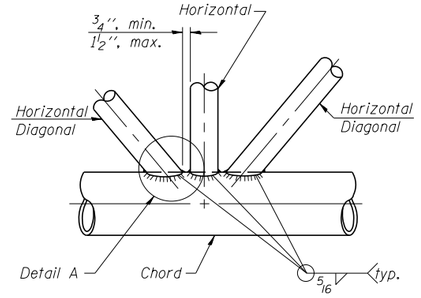
ELEVATION
(Sign and walkway omitted for clarity)



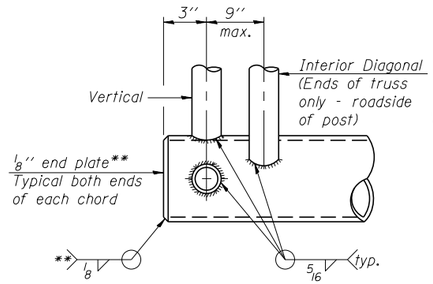
SECTION A-B



DETAIL A

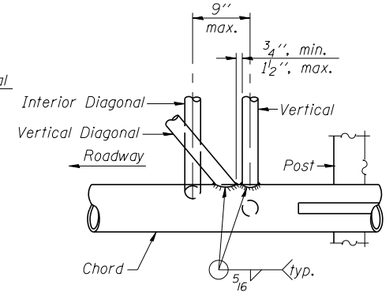


TRUSS INTERIOR JOIT DETAIL



CANTILEVER END JOINT DETAIL

** Contractor may alternatively use standard aluminum drive-fit cap to close ends. 1/2" ϕ Drain hole in end plate / drive-fit cap.



POST END JOINT DETAIL

TYPICAL TRUSS UNIT

For Section B-B and Section C-C, see Base Sheet OSC-A-3.

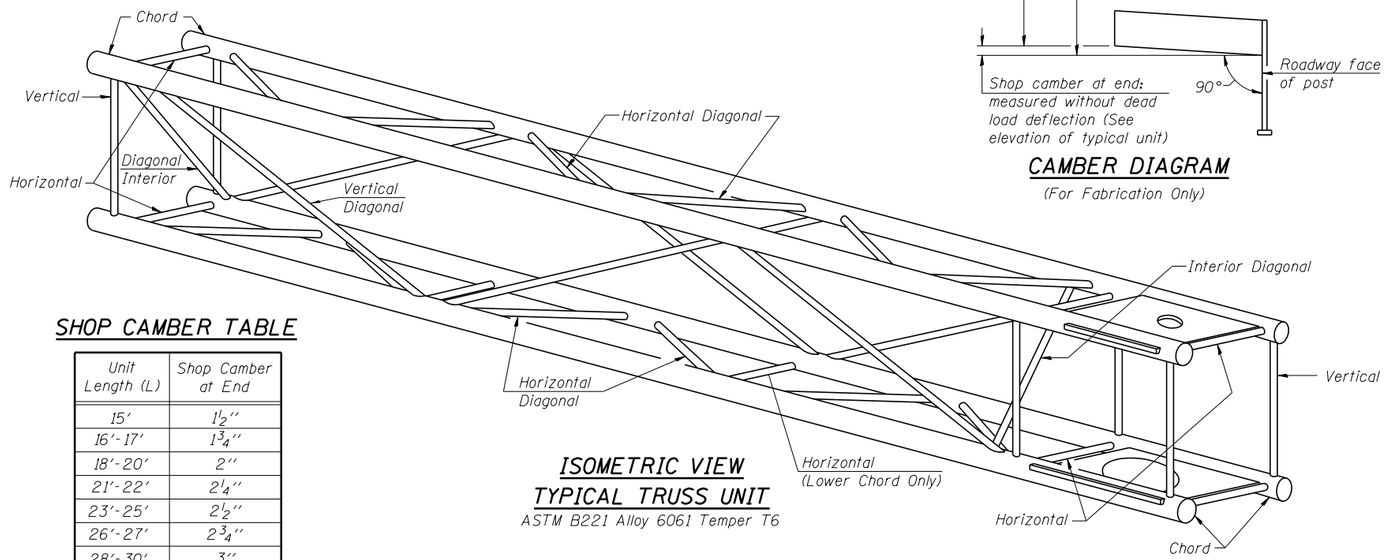
Note:
There are twice as many horizontal diagonals as there are vertical diagonals.

TRUSS UNIT TABLE

Truss Type	Dimension "a"	Dimension "b"	Dimension "s"	Limits for Panel Spacing (P)*	Up. & Low. Chord		Verticals: Horizontals: Vertical, Horizontal, and Interior Diagonals	
					O.D.	Wall	O.D.	Wall
I-C-A	24"	54"	16"	36" min. to 48" max.	5"	5/16"	2 1/2"	5/16"
II-C-A	36"	66"	21"	42" min. to 54" max.	6 1/2"	5/16"	3 1/4"	5/16"
III-C-A (35' Max.)	36"	84"	21"	48" min. to 66" max.	7"	3/8"	3 1/2"	3/8"
III-C-A (>35' to 40')	36"	84"	21"	48" min. to 66" max.	8"	3/8"	3 1/2"	3/8"

$$*P = \frac{L - s - 3''}{\#\ Panels}$$

Structure Number	Station	Truss Type	Design Length (L)	Number of Panels Per Unit	Panel Length (P)*
2C081L007R001.0	7006+40 (7TH AVE)	II-C-A	30.00'	7	4.00'



ISOMETRIC VIEW
TYPICAL TRUSS UNIT
ASTM B221 Alloy 6061 Temper T6

SHOP CAMBER TABLE

Unit Length (L)	Shop Camber at End
15'	1 1/2"
16'-17'	1 3/4"
18'-20'	2"
21'-22'	2 1/4"
23'-25'	2 1/2"
26'-27'	2 3/4"
28'-30'	3"
31'-32'	3 1/4"
33'-35'	3 1/2"
36'-37'	4"
38'-40'	4 1/2"

CAMBER DIAGRAM
(For Fabrication Only)

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Chicago, Illinois 60601
312-565-0450 Job No. 10061.04

OSC-A-2 6-1-12

OSS-18

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-18 OSC-A-2 Truss Details	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – TRUSS DETAILS
ALUMINUM TRUSS & STEEL POST
SHEET NO. 18 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	578
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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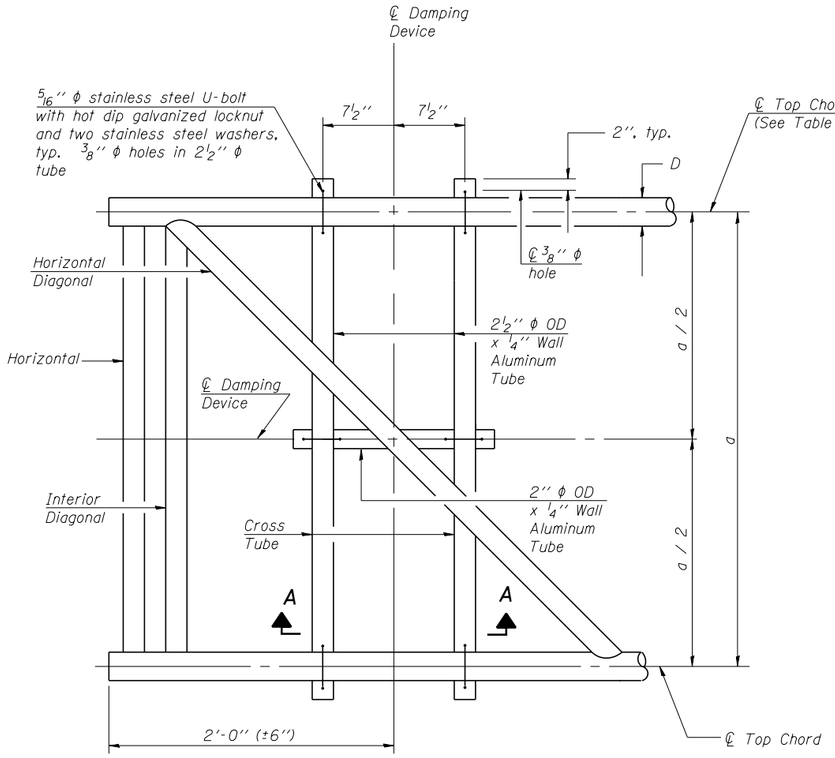
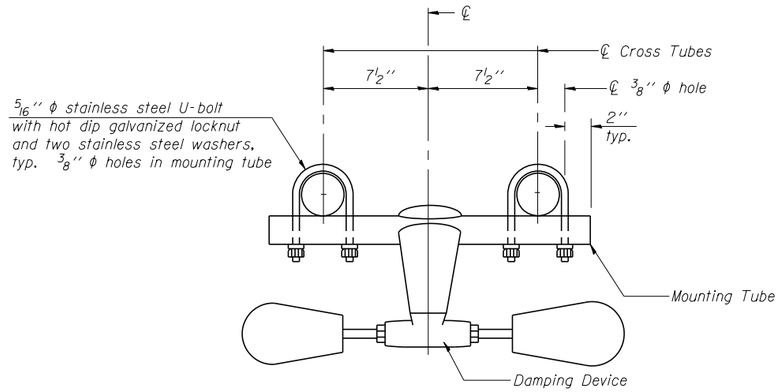
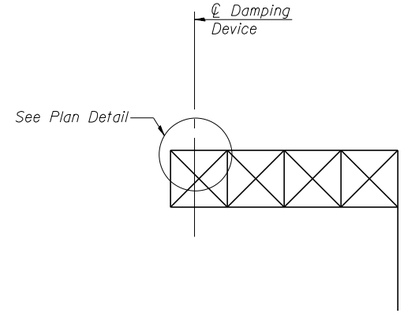
1/19/2017



PLAN DETAIL



TRUSS DAMPING DEVICE CONNECTION DETAIL



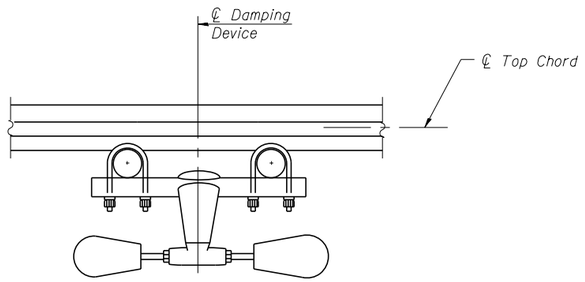
ELEVATION

Aluminum Cantilever Sign Structure

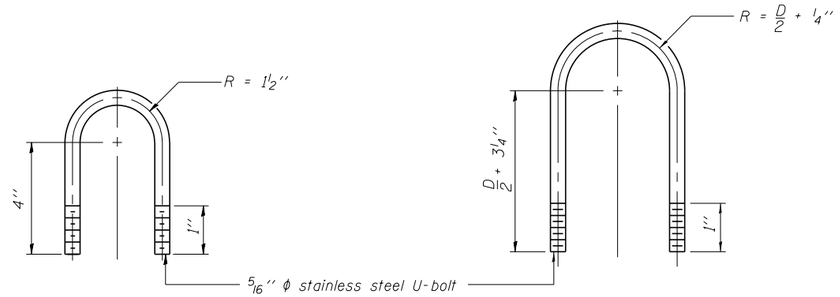
GENERAL NOTES

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



SECTION A-A



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL

(Typical)

TOP CHORD TO CROSS TUBE U-BOLT DETAIL

(Typical)

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312-565-0450 Job No. 10061.04

OSC-A-D 6-1-12

OSS-19

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-19 OSC-A-D Damping Device	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURE
DAMPING DEVICE

SHEET NO. 19 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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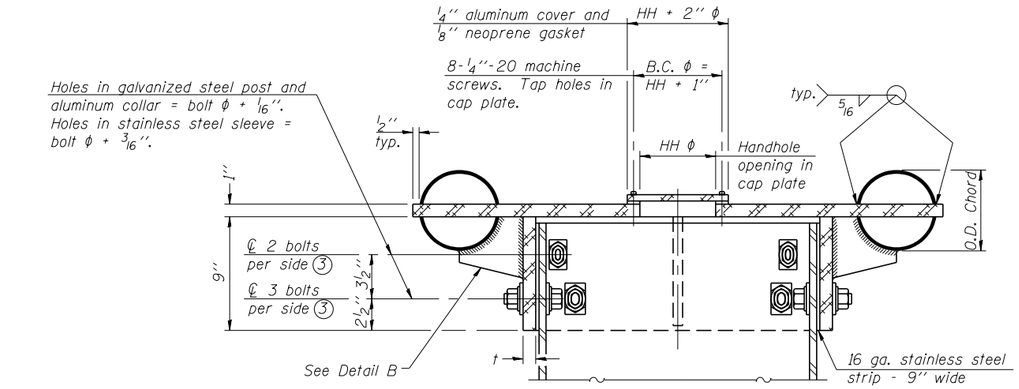
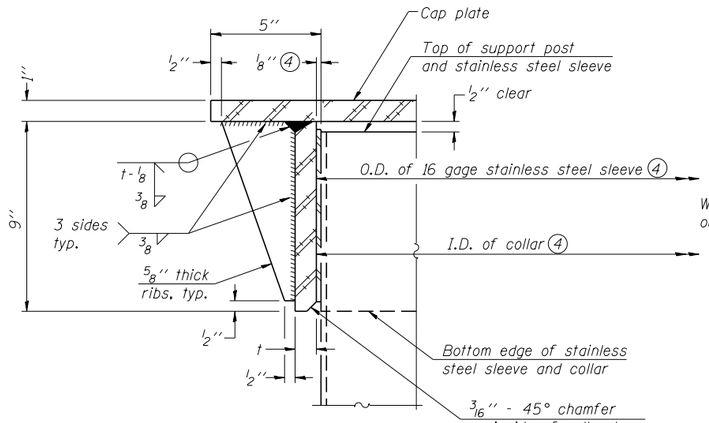
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		



SECTION B-B

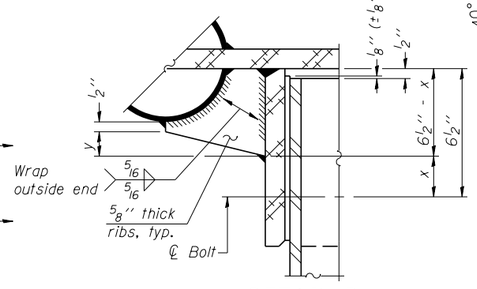
Bolts, washers (including contoured washers), and locknuts shall be stainless steel.

④ Collar I.D. shall be manufactured to correspond to O.D. of actual galvanized post and stainless steel sleeve plus 1/8'' (±1/16''). Maximum gap between post and collar at any location equals 1/8'' before tightening bolts.



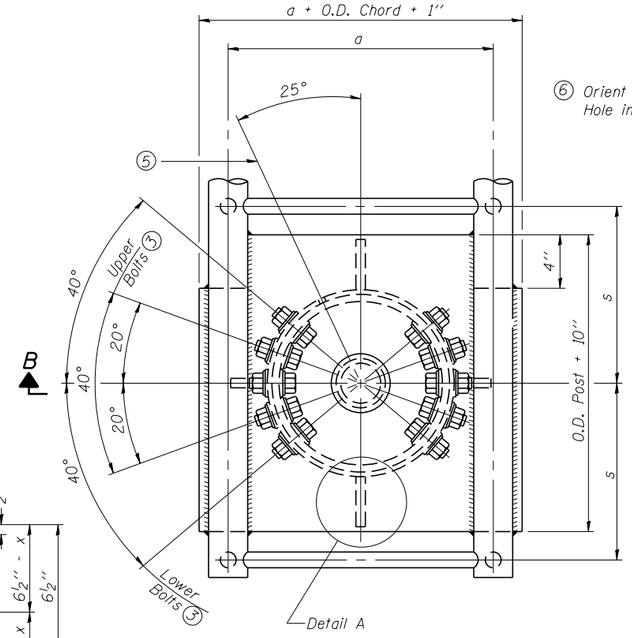
DETAIL A

(Two locations)



DETAIL B

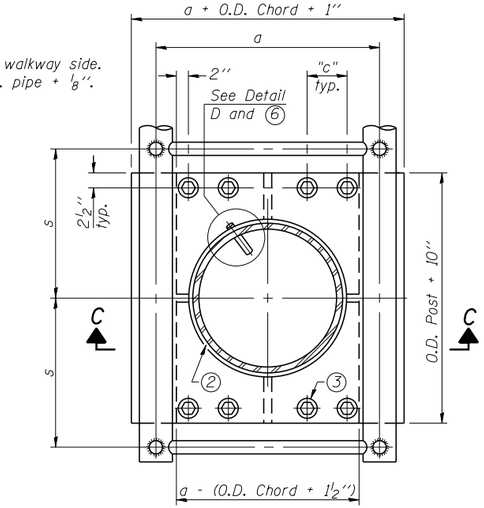
Two locations
(For details not shown, see Detail C)



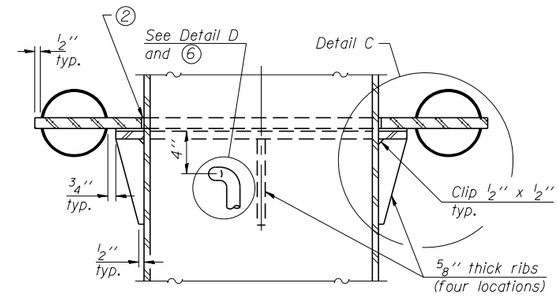
PLAN VIEW - TOP OF COLUMN

⑤ Optional full penetration weld in collar.
(Two locations maximum....(180° apart)....X-ray or UT 100%)

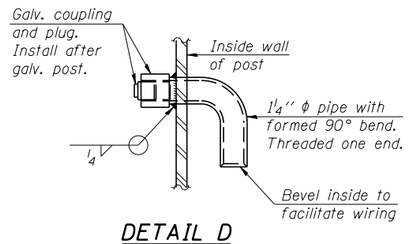
⑥ Orient pipe toward walkway side.
Hole in post = O.D. pipe + 1/8''.



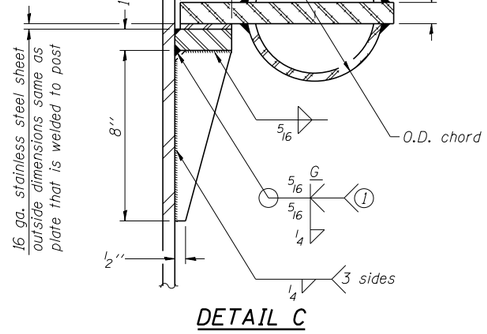
SECTION THRU POST ABOVE LOWER CHORDS



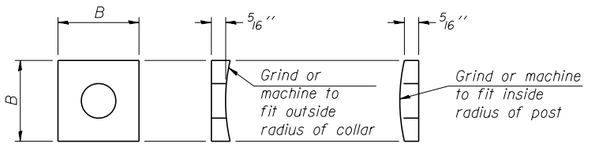
SECTION C-C



DETAIL D

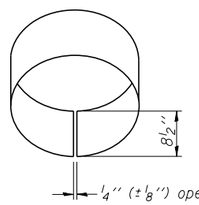


DETAIL C



CONTOURED WASHERS

Bolt Size	Contoured Washers	
	Hole Dia.	B
7/8''	1''	2 1/2''
1''	1 1/8''	3''
1 1/4''	1 3/8''	3 1/4''



DETAIL OF STAINLESS STEEL SLEEVE

Weld to post after galvanizing.
(Prepare post surface to insure tight, uniform fit and allow welding.)
Welds to be 1 1/2'' long at 6'' cts.
along top edge and at 1/4'' opening.

Truss Type	Post Size	Upper & Lower Connection Bolt Diameter (3)	Lower Juncture Bolt Spacing Dimension "c" (3)	Opening in Cap Plate "HH"	Collar Thickness (t)	Side Ribs	
						x	y
I-C-A	16'' ϕ (83#/')	7/8''	3 1/4''	8''	5/8''	1 3/4''	2 1/4''
II-C-A	24'' ϕ (125#/')	1''	3 1/2''	12''	7/8''	2''	1 1/4''
III-C-A (35' max.)	24'' ϕ (125#/')	1 1/4''	3 1/2''	12''	7/8''	2''	1''
III-C-A (>35' to 40')	24'' ϕ (171#/')	1 1/4''	3 1/2''	12''	7/8''	2''	1''

① Grind top if required to fully seat aluminum plate and stainless steel sheet.

② After tightening lower connection bolts, fill gap with non-hardening, silicone caulk suitable for exterior exposure and acceptable to the Engineer. Cost is included in Overhead Sign Structure Cantilever.

③ Upper and lower connection bolts in collar and bolts at lower chord connection shall be high strength with matching locknuts. Connection bolts shall have 2 stainless steel flat washers each.

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OSC-A-3 6-1-12

OSS-20

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-20 OSC-A-3 Juncture Details	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – JUNCTURE DETAILS
ALUMINUM TRUSS & STEEL POST

SHEET NO. 20 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	580
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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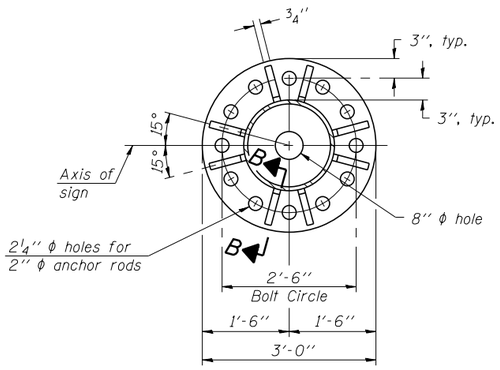
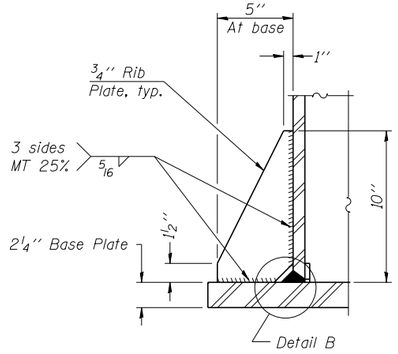
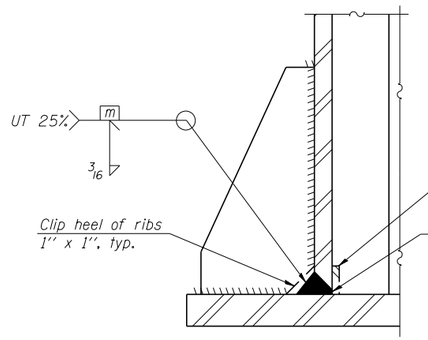


SECTION A-A

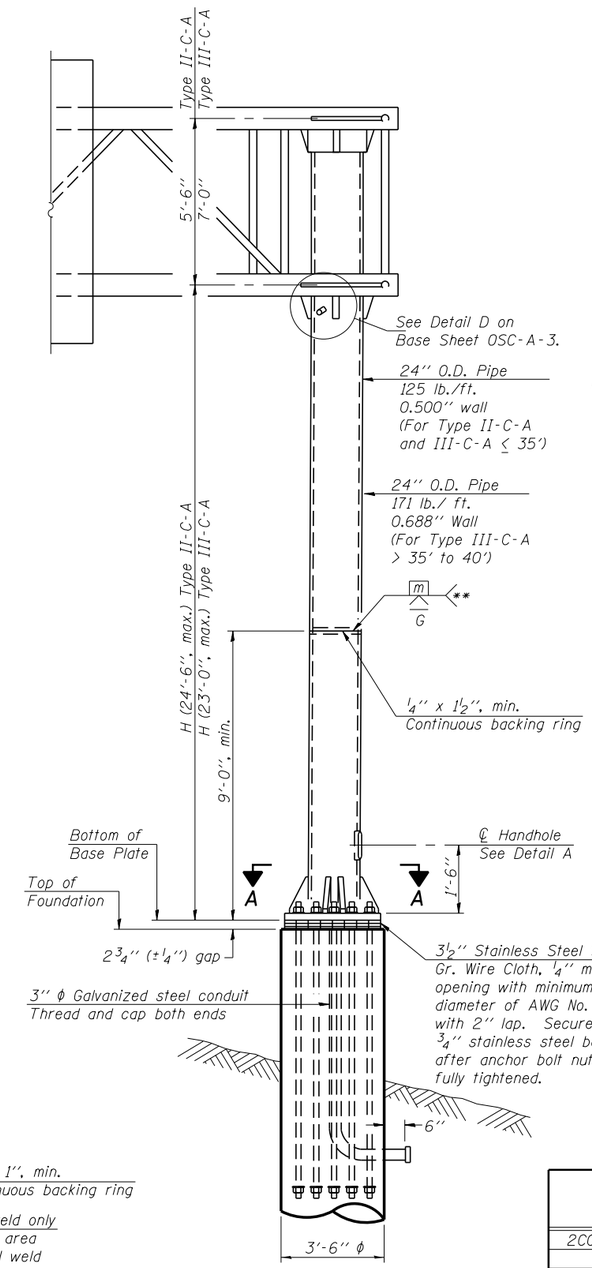


SECTION B-B



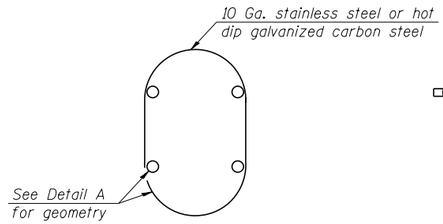
DETAIL B

(Typical rib)

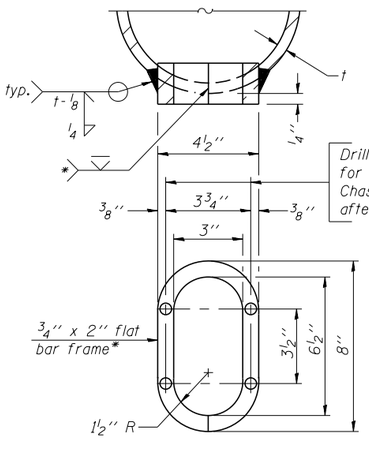


FRONT ELEVATION

For Foundation Details see Base Sheet OSC-A-9.



HANDHOLE COVER

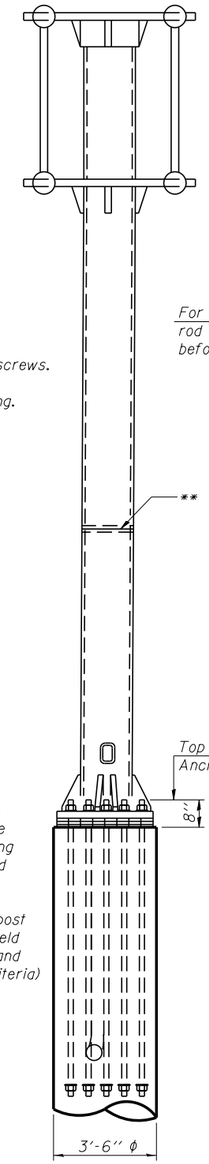


Provide 8'' x 4 1/2'' cover. Outside corners = 2 1/4'' radius. Provide 4 - 5/16'' ϕ holes in cover for 1/4'' - 20 round head hot dip galvanized or stainless steel machine screws. (See cover details.)

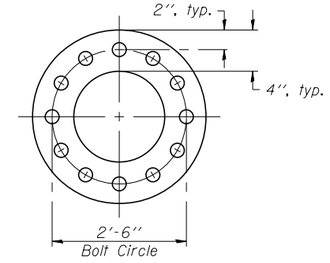
DETAIL A

* Bent bars may be butt welded top and bottom or bottom only. 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.

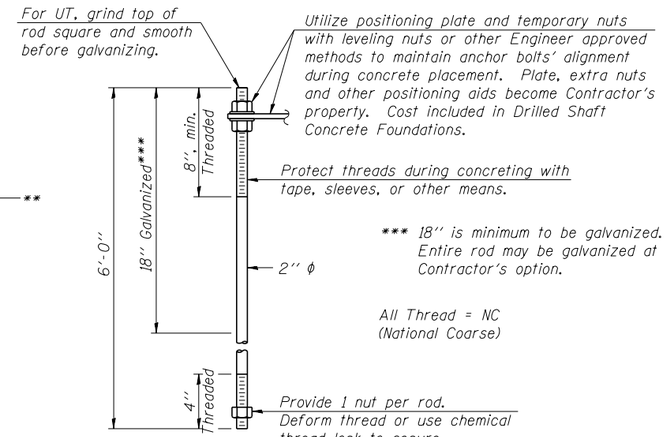
** Butt welded joint in post is only allowed for post heights (H) over 20 ft. in length. If used, weld procedure must be preapproved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.



SIDE ELEVATION



SUGGESTED POSITIONING PLATE



ANCHOR ROD DETAIL

Anchor rods shall conform to ASTM F1554 Grade 105. Galvanize the upper 18'' (minimum***) and associated AASHTO M291, Grade A, C or DH heavy hex nuts and hardened washers per AASHTO M232. No welding shall be permitted on rods. Provide a nut at bottom, a hexagon locknut and washer above base plate and a leveling nut and washer below base plate. Nuts shall each be tightened with 200 lb.-ft. minimum torque against base plate. Before or after threading, but before galvanizing, each anchor rod shall be ultrasonically tested (UT) by a Level II or III inspector, qualified in accord with ANSI guidelines, to insure no rejectable flaws exist in the upper 18'' (tension criteria). Cost of testing included in Drilled Shaft Concrete Foundations.

Structure Number	Station	H
2C08IL007R001.0	7006+40 (7TH AVE)	18.27'

Note: "H" based on 15'-0'' or actual sign height, whichever is greater.

HANDHOLE AND CONDUIT IN FOUNDATION ARE INCLUDED IN THIS CONTRACT.

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312-565-0450 Job No. 10061.04

OSC-A-5 6-1-12

OSS-21

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-21 OSC-A-5 Truss Support Post - Aluminum Truss & Steel Post	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – TYPE II-C-A & III-C-A
TRUSS SUPPORT POST – ALUMINUM TRUSS & STEEL POST

SHEET NO. 21 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	581
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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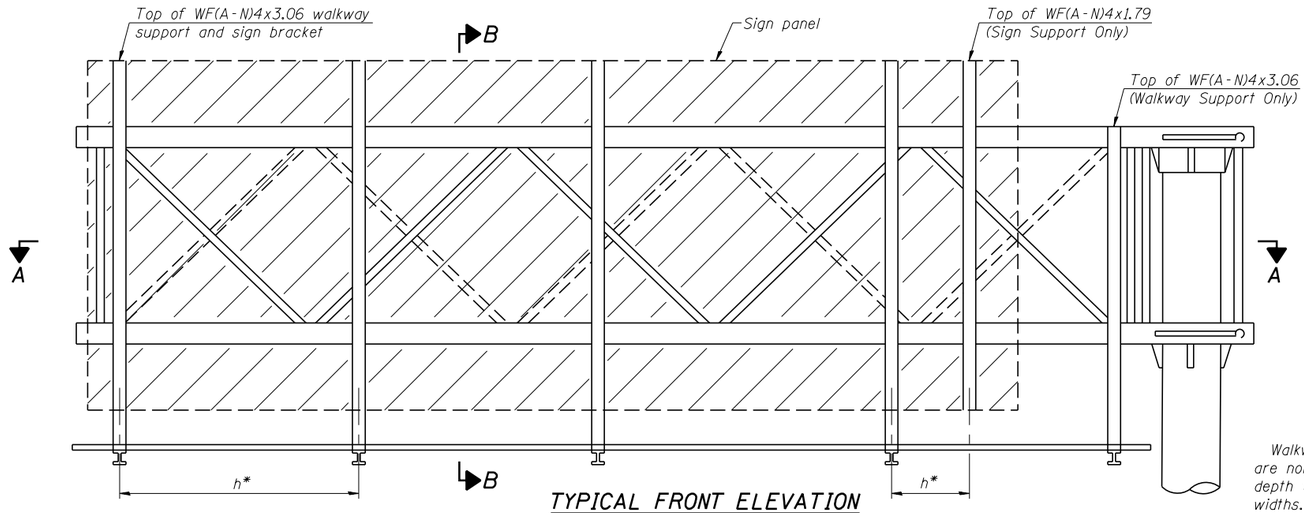
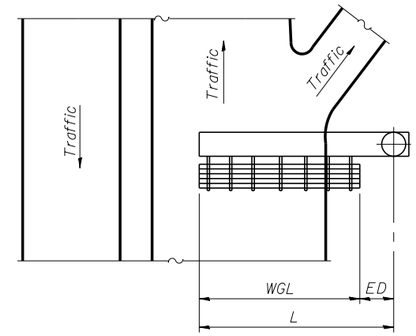


TYPICAL FRONT ELEVATION

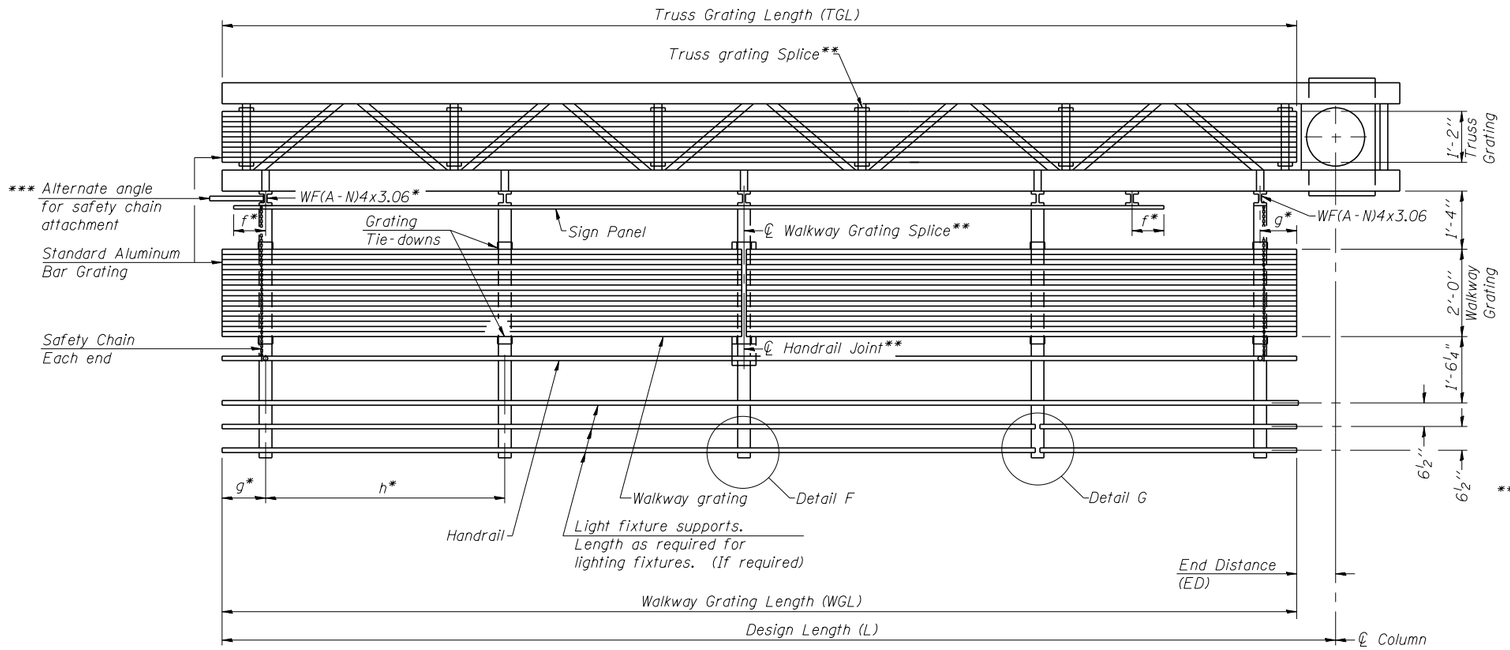
With lights and handrail omitted for clarity.

Walkway and truss grating dimensions are nominal and may vary (width ±½", depth ±½") based on available standard widths.



PLAN
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)



SECTION A-A

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

Handrail and walkway grating shall span a minimum of three brackets between splices.

** Use and location of handrail joints or grating splices are optional, based on lengths needed and material availability.

$$TGL = L - \left(\frac{\text{Post O.D.}}{2} + 6''\right)$$

Structure Number	Station	WGL	ED	TGL

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" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway to ℄ of nearest bracket)
h = 6'-0" maximum (℄ to ℄ 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-7.

For details of handrail, handrail joint, safety chain and Details F and G, see Base Sheet OSC-A-8.

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06
ASTM B308, Alloy 6061-T6

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	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.

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OSC-A-6 6-1-12

OSS-22

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-22 OSC-A-6 Aluminum Walkway Details	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – ALUMINUM WALKWAY
DETAILS – ALUMINUM TRUSS & STEEL POST

SHEET NO. 22 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	582
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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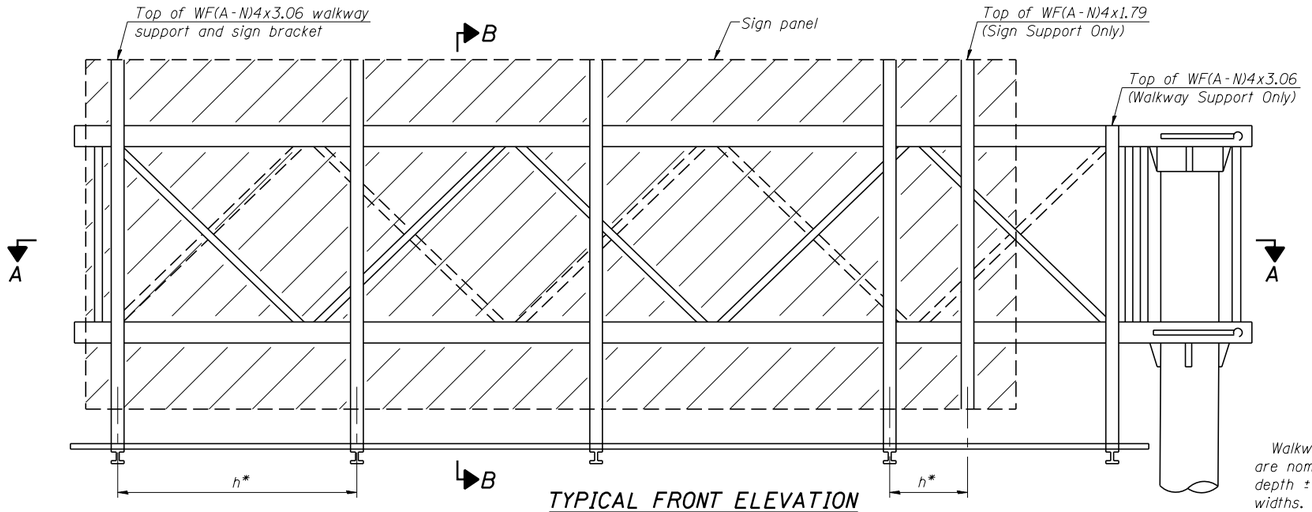
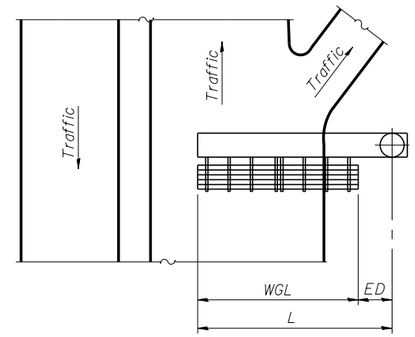


TYPICAL FRONT ELEVATION

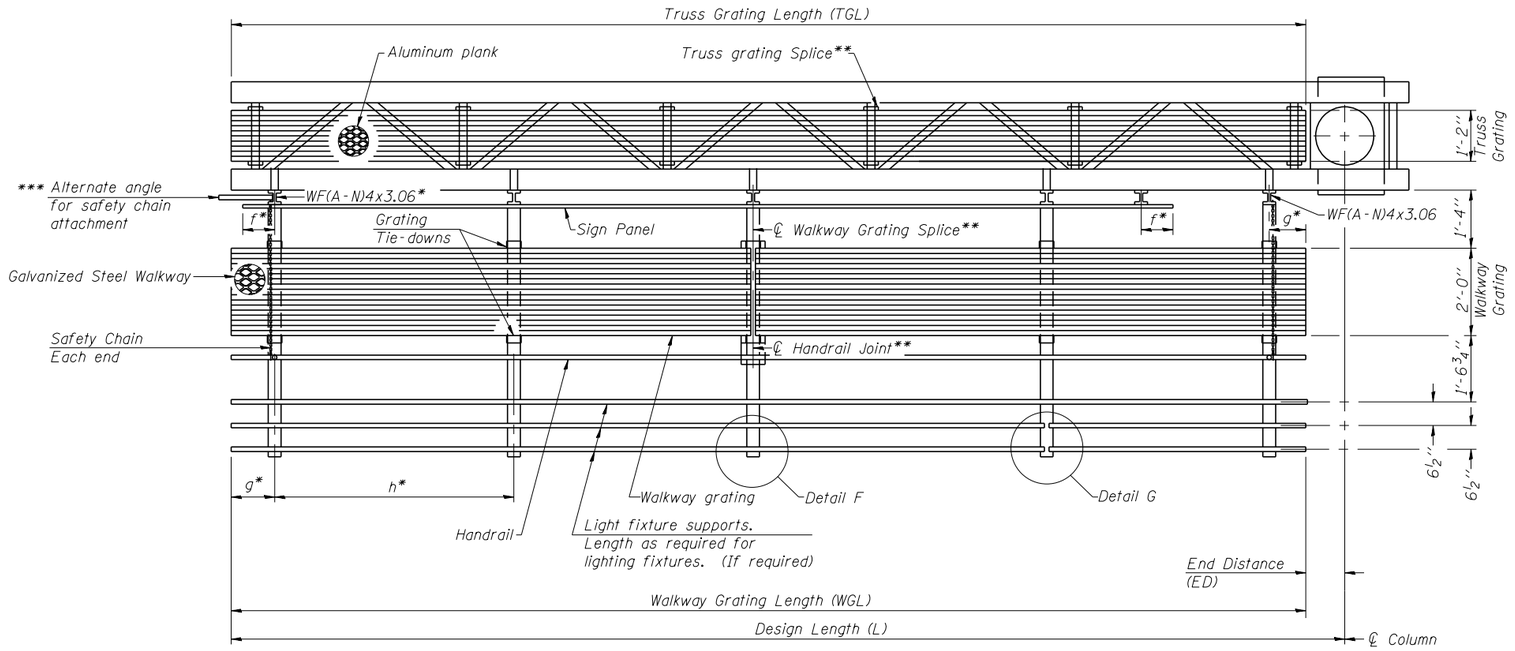
With lights and handrail omitted for clarity.

Walkway and truss grating dimensions are nominal and may vary (width ±½", depth ±½") based on available standard widths.



PLAN
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath truss varies)



SECTION A-A

Structure Number	Station	WGL	ED	TGL

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" maximum, 4" minimum (End of sign to ℄ of nearest bracket)
g = 12" maximum, 4" minimum (End of walkway to ℄ of nearest bracket)
h = 6'-0" maximum (℄ to ℄ 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.

Truss grating to facilitate inspection shall run full length of cantilevers. Cost of truss grating is included in Overhead Sign Structure Cantilever.

Handrail and walkway grating shall span a minimum of three brackets between splices.
** Use and location of handrail joints or grating splices are optional, based on lengths needed and material availability.

$$TGL = L - \left(\frac{\text{Post O.D.}}{2} + 6''\right)$$

BRACKET TABLE

WF(A-N)4x1.79 or WF(A-N)4x3.06
ASTM B308, Alloy 6061-T6

Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	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.

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OSC-A-6S 6-1-12

OSS-23

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
MODEL: OSS-23 OSC-A-6S Alternate Steel Walkway Details	PLOT SCALE =	DRAWN - VH	REVISED -
	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – ALTERNATE STEEL
WALKWAY DETAILS – ALUMINUM TRUSS & STEEL POST

SHEET NO. 23 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	583
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

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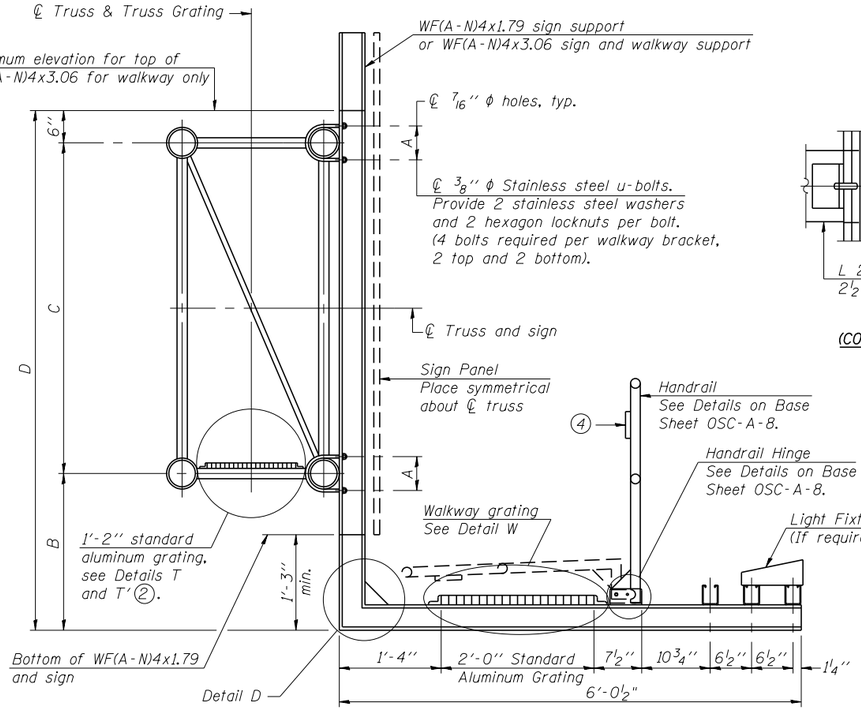
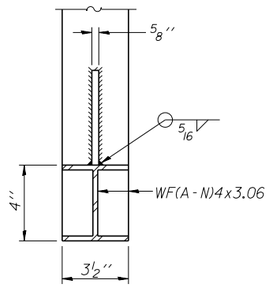
1/19/2017

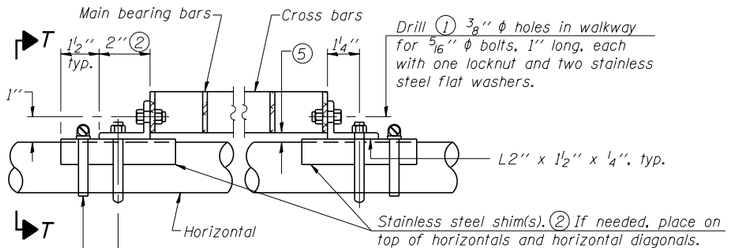


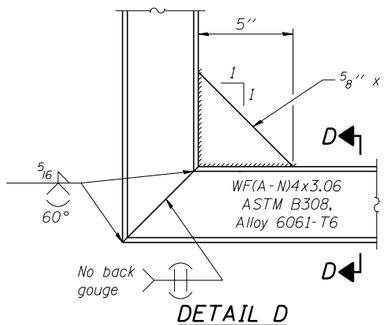
SECTION B-B

Sign shall be even with the top of the bracket, but it may extend no more than 6" above the top of the bracket for field adjustments.



SECTION D-D

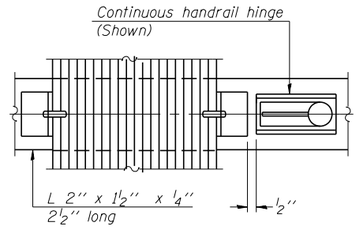




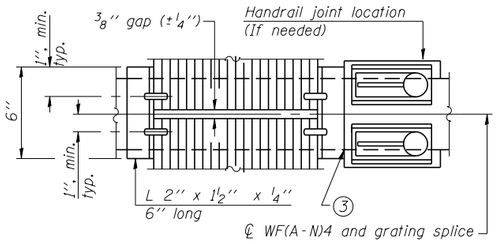
DETAIL T

(Continuous Truss grating)

DETAIL D

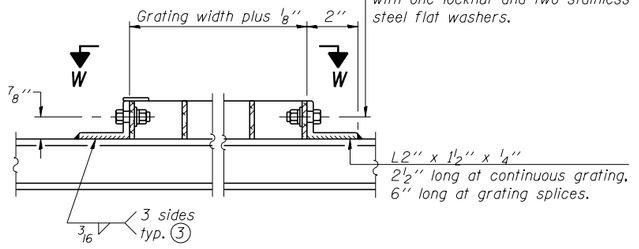


(CONTINUOUS WALKWAY GRATING)



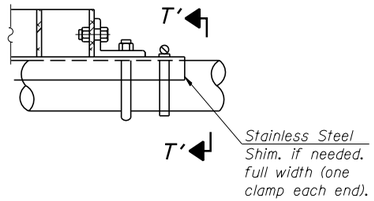
(AT WALKWAY GRATING SPLICE)

SECTION W-W



DETAIL W

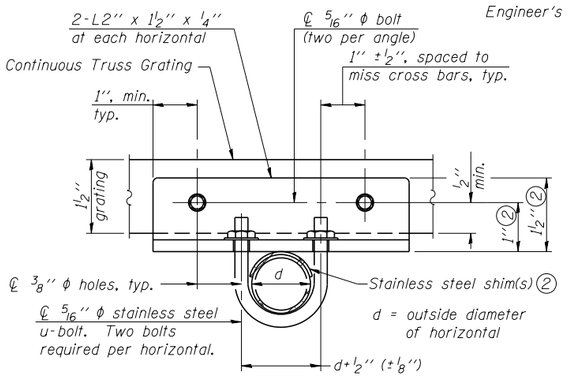
(Walkway grating)



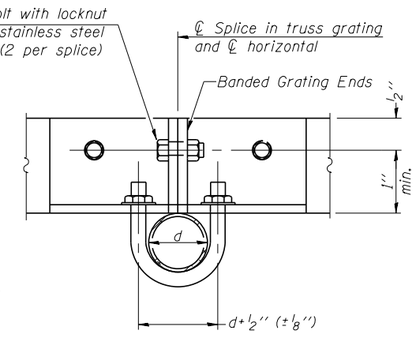
DETAIL T'

(Truss grating splice)

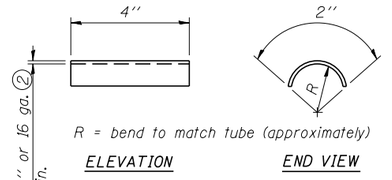
Details not shown same as Detail T. Alternate materials may be used subject to the Engineer's review and approval.



SECTION T-T



SECTION T'-T'



SHIM DETAIL

Structure Number	Station	A	(6) B	C	(6) D
2C081L007R001.0	7006+40 (7TH AVE)	6 7/8"	---	5'-6"	---

(1) Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

(2) Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.

(3) If Handrail Joint present, weld angle to WF(A-N)4 and 1/4" extension bars. (See Base Sheet OSC-A-8.)

(4) PL 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.

(5) Tube to grating gap may vary from 0 to 1/2", max. to align walkway, allow for camber, etc.

(6) Based on actual sign height, D_S, given on OSC-A-1.

SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

Main Bearing Bars (MBB) shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B211 Alloy 6061-T6.

Cross bars (CB) shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "T" sections for main bearing bars shall meet the following requirements:

Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 $in.^3$ per bar, a depth of 1 1/2", spaced on 1 3/16" centers.

Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

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.

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312-565-0450 Job No. 10061.04

OSC-A-7 6-1-12

OSS-24

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		CHECKED - KJN	REVISED -	
MODEL: OSS-24 OSC-A-7 Walkway Details 2	PLOT SCALE =	DRAWN - VH	REVISED -	
	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -	

CANTILEVER SIGN STRUCTURES – WALKWAY DETAILS
ALUMINUM TRUSS & STEEL POST
SHEET NO. 24 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	584
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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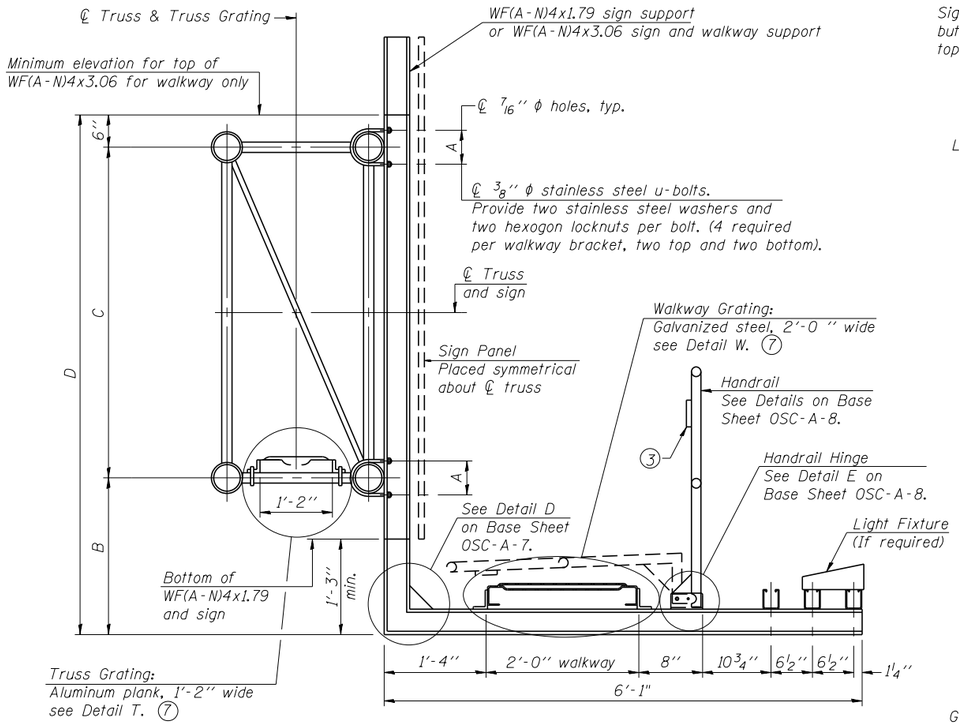
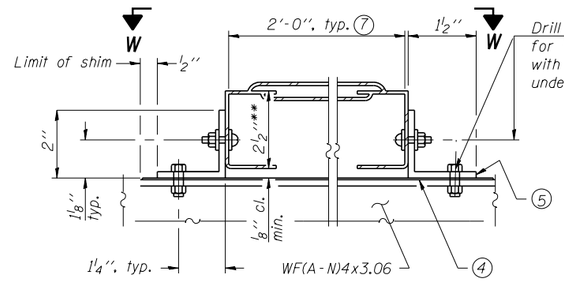
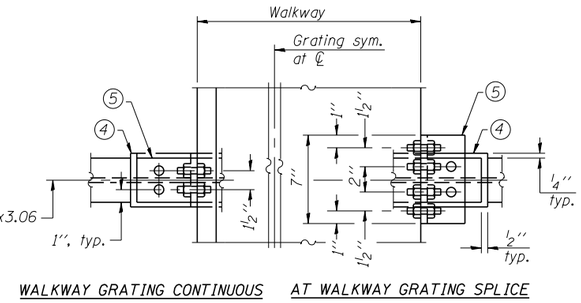


SECTION B-B

Sign shall be even with the top of the bracket, but it may extend no more than 6'' above the top of the bracket for field adjustments.

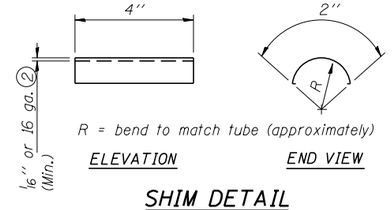


DETAIL W
GALVANIZED STEEL WALKWAY GRATING

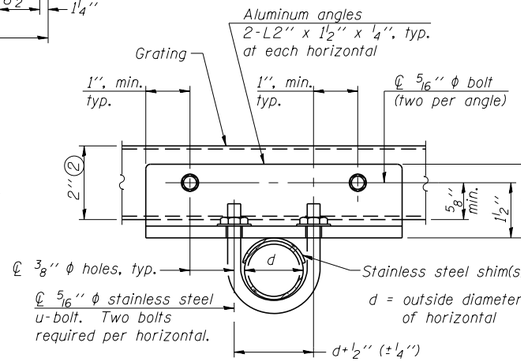


WALKWAY GRATING CONTINUOUS AT WALKWAY GRATING SPLICE

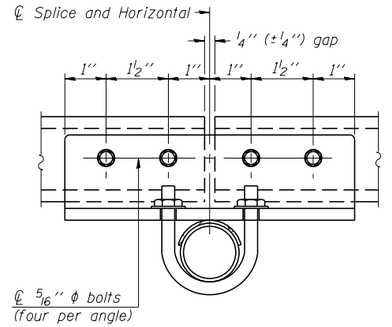
SECTION W-W



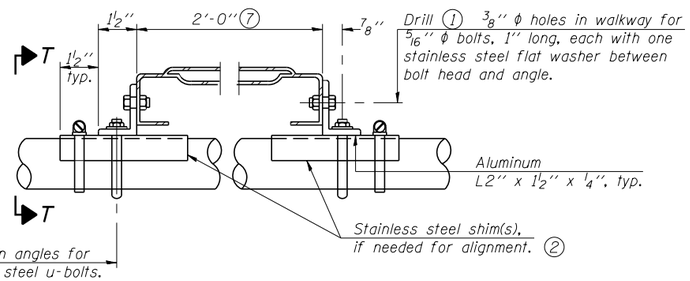
SHIM DETAIL



SECTION T-T
(Truss Grating Continuous)



SECTION T-T
(Truss Grating Splice)
Alternate splice details and locations may be used subject to the Engineer's review and approval.



DETAIL T
(Truss grating at horizontal)

ALUMINUM TRUSS GRATING

Structure Number	Station	A	(8) B	C	(8) D
2C081L007R001.0	7006+40 (7TH AVE)	6 7/8"	---	5'-6"	---

(1) Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.

(2) Stainless steel shims shall be placed under angles at horizontals and horizonal diagonals if needed to compensate for alignment variations and differences in horizontal diagonal pipe sizes beyond adjustment provided by angles. Secure with one stainless steel clamp per location, se ''Shim Detail''. Thicker shim plates may be used when needed subject to shims performing properly.

(3) ℄ 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.

(4) 1/16'' (or 16 ga.) x 2 1/2'' x 4'' stainless steel shim adhered to top of WF(A-N)4x3.06 beneath each galvanized angle, typ. Adhesives for shims shall be suitable for materials joined and full exposure conditions.

(5) Galvanized steel L2'' x 2'' x 1/4'', 3 1/2'' long with continuous grating 7'' long at grating splice.

(6) Details shown are considered equal alternatives to Aluminum Walkway Details and may be substituted by Contractor at no charge in contract cost.

(7) Perforated or expanded metal grating providing a skid resistant (non-serrated) surface and capable of supporting a 500 pound concentrated load with a 6'-0'' clear span. Walkway and truss grating dimensions are nominal and may vary (width ±1/2'', depth 1/2'') based on available standard sizes. Cut ends of grating shall be free of burrs or hazardous projections and coated with zinc-rich primer or equivalent.

(8) Based on actual sign height, Ds, given on OSC-A-1.

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.

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Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10061.04

OSC-A-7S 6-1-12

OSS-25

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-25 OSC-A-7S Alternate Walkway Details	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES
ALTERNATE WALKWAY DETAILS
SHEET NO. 25 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	585
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		

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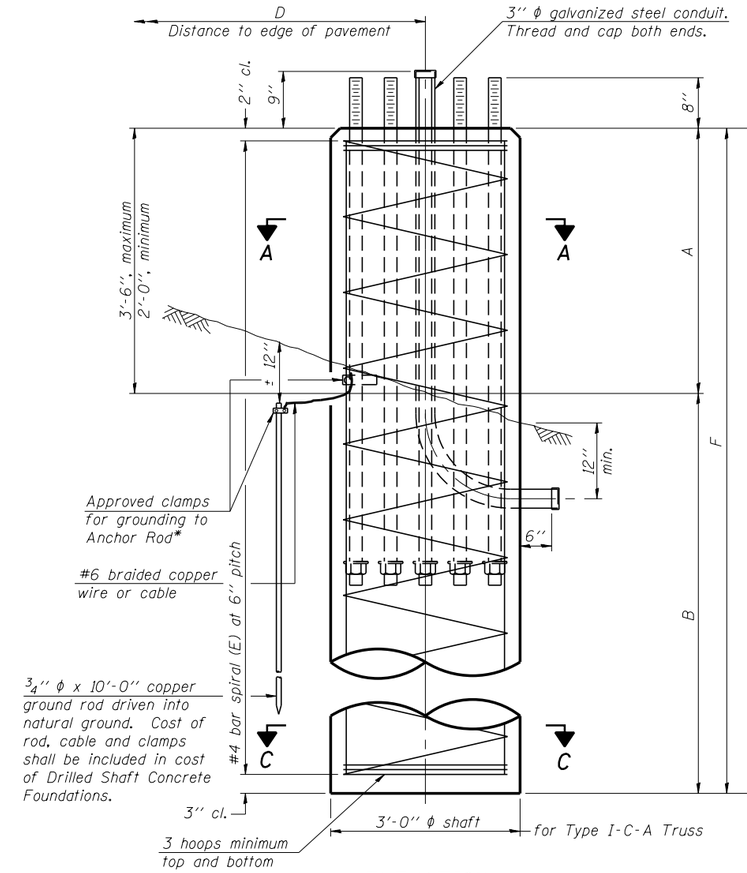
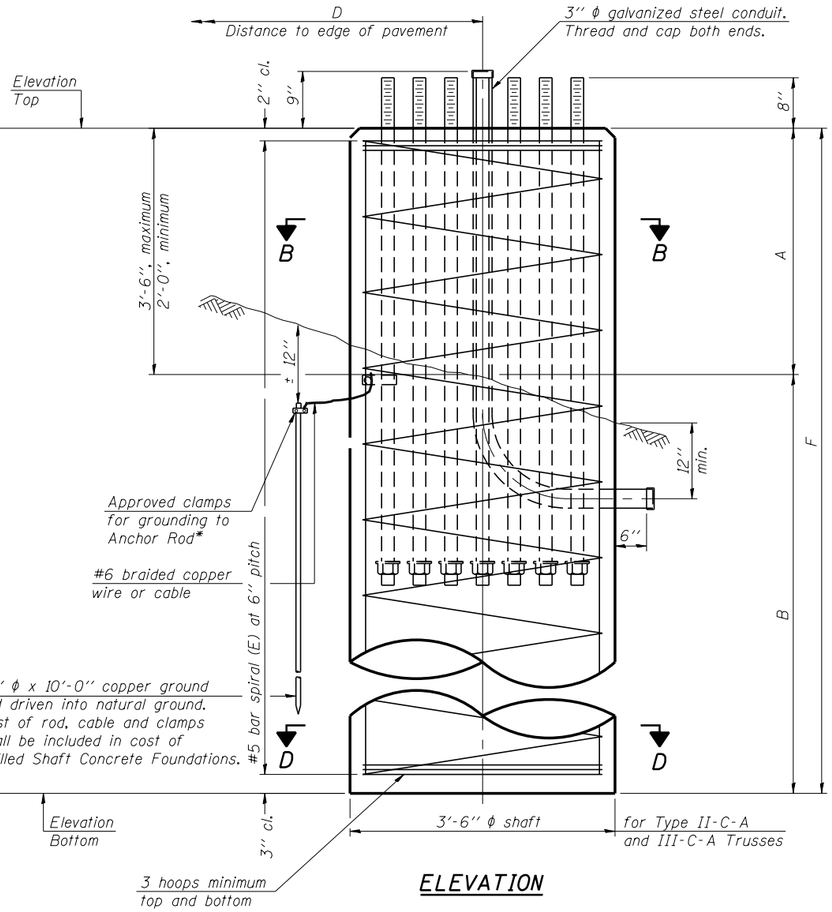
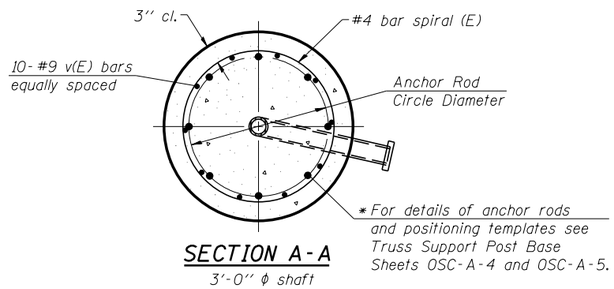
* Grind anchor rod to bright finish at ground clamp location before installing clamp.



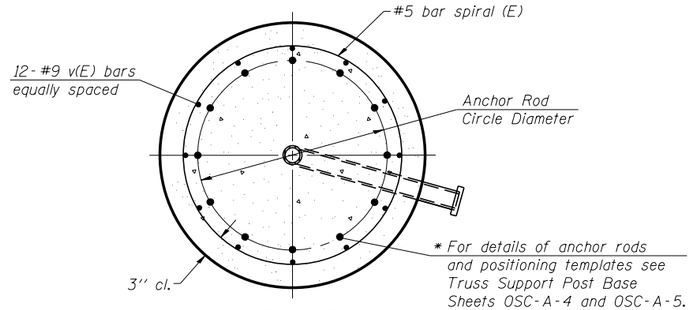
ELEVATION



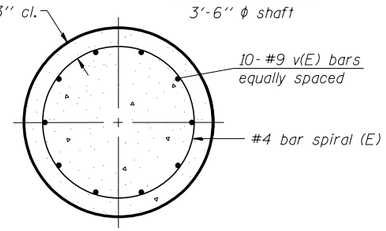
ELEVATION



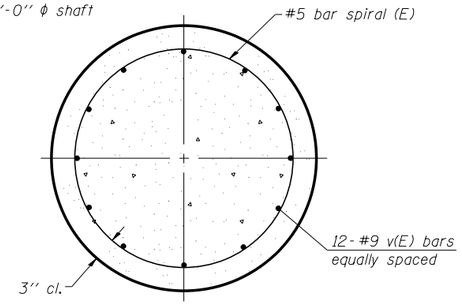
SECTION A-A
3'-0'' ϕ shaft



SECTION B-B
3'-6'' ϕ shaft



SECTION C-C
3'-0'' ϕ shaft



SECTION D-D
3'-6'' ϕ shaft

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.

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.

FOUNDATION DESIGN TABLE

Truss Type	Post Base Sheet	Maximum CantileverLength (ft)	Maximum Total Sign Area (sq ft)	Shaft Diameter (in)	"B" Depth (ft)	Anchor Rods No.	Anchor Rods Diameter (in)	Anchor Rod Circle Diameter (in)
I-C-A	OSC-A-4	25	170	3.0	16.0	8	2	22
II-C-A	OSC-A-5	30	170	3.5	17.0	12	2	30
II-C-A	OSC-A-5	30	340	3.5	21.5	12	2	30
III-C-A	OSC-A-5	35	170	3.5	19.0	12	2	30
III-C-A	OSC-A-5	35	250	3.5	22.5	12	2	30
III-C-A	OSC-A-5	35	400	3.5	26.5	12	2	30
III-C-A	OSC-A-5	40	400	3.5	32.0	12	2	30

FOUNDATION DATA TABLE

Structure Number	Station	Truss Type	Shaft Diameter	Elevation Top	Elevation Bottom	Qu	A	B	F	Class DS Concrete Cubic Yards
2C081L007R001.0	7006+40 (7TH AVE)	II-C-A	3.50'	591.65	568.15	**	2.00'	21.50'	23.50'	9

**Soils are typically a mix of granular material and cohesive material (Average Qu value less than 1.25 tsf) as shown on soil boring log SB-100 on Sheet OSS-30. The design details and foundation data shown on this sheet are a result of a site specific design.

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312-565-0450 Job No. 10061.04

OSS-26

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-26 OSC-A-9 Drilled Shaft	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANTILEVER SIGN STRUCTURES – DRILLED SHAFT
ALUMINUM TRUSS & STEEL POST
7TH AVENUE, STA. 7006+40
SHEET NO. 26 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	586
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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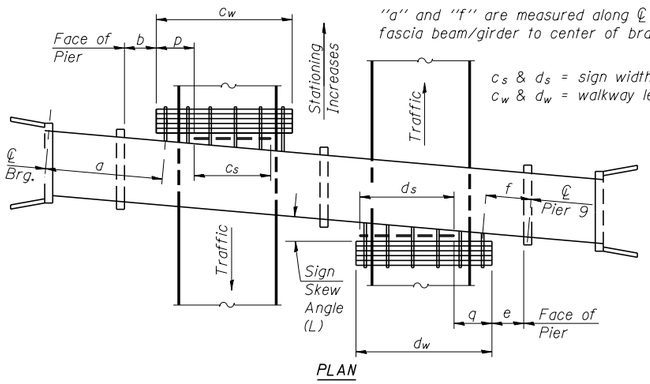
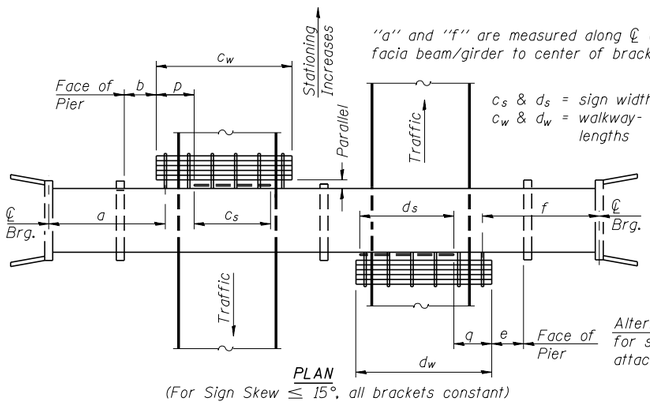


PLAN

(Left Sign Skew > 15°)

WALKWAY AND HANDRAIL SKETCH

(Road plan beneath structure varies.)

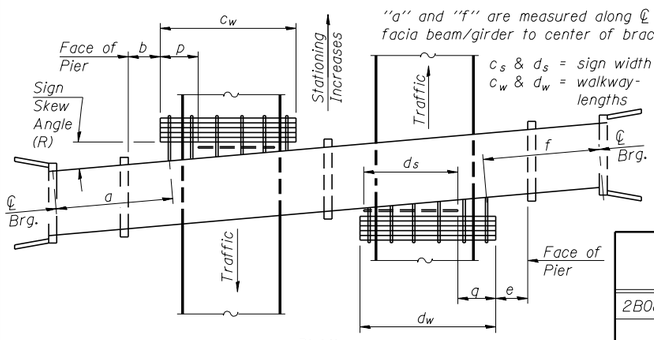


PLAN

(For Sign Skew ≤ 15°, all brackets constant)

WALKWAY AND HANDRAIL SKETCH

(Road plan beneath structure varies.)

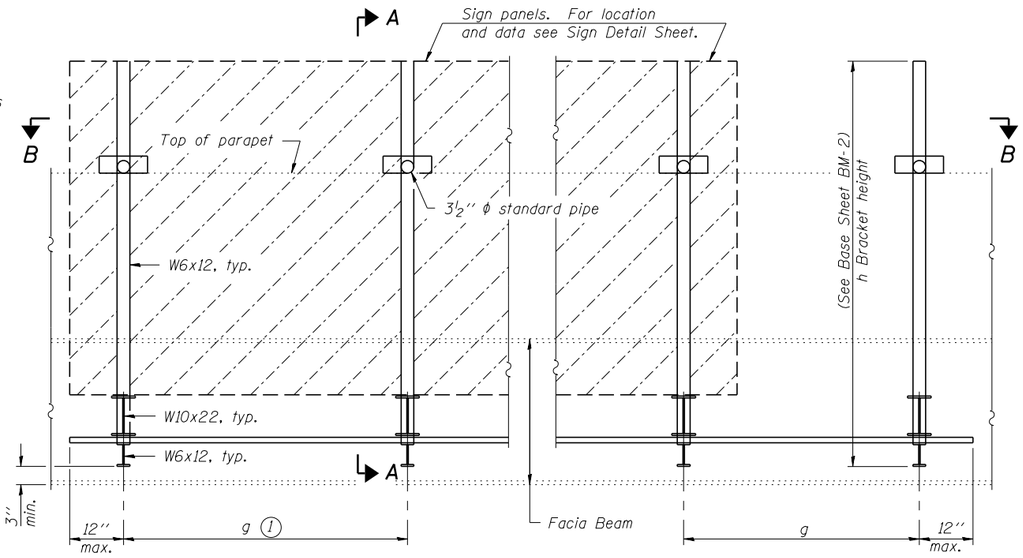


PLAN

(Right Sign Skew > 15°)

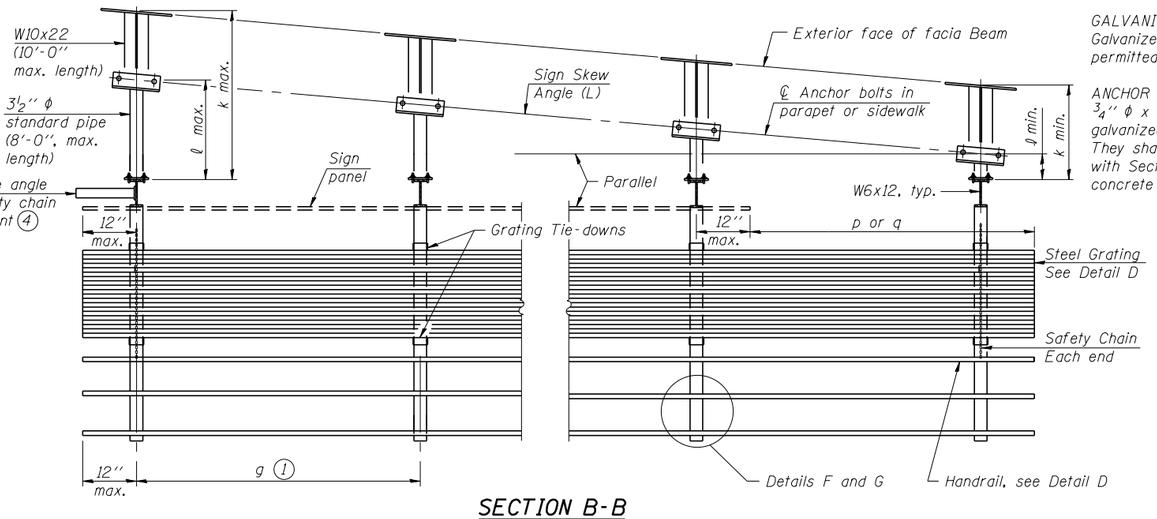
WALKWAY AND HANDRAIL SKETCH

(Road plan beneath structure varies.)



TYPICAL FRONT ELEVATION

(With lights, safety chain and handrail omitted for clarity.)



SECTION B-B

(Shown: Left Sign Skew > 15°)

Structure Number	Sign Skew Angle (L) or (R)	Bridge Station (I-74)	Bridge Structure Number	Contract Route Designation	a	b	c_s	c_w	d_s	d_w	e	f	g	No. of Brackets (Total)	p	q	Total Grating/ Hndrl. Lengths (c_w + d_w)
2B081I074R000.9	15°-14'-23" (L)	36+16.49	081-0178	I-74					13.50'			94.16'	6.00'	3			
2B081I074R000.9	15°-14'-23" (L)	36+16.49	081-0178	I-74					17.00'			73.17'	5.00'	4			

Dimensions a, b, e, f & g may vary as approved by the Engineer, see (1).
When $c_w < c_s$ and/or $d_w < d_s$, use alternate brackets without walkway supports where applicable, see (3).

GENERAL NOTES

SPECIFICATIONS:

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications") (2)

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

LOADING: 90 M.P.H. WIND VELOCITY

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

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

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

MATERIALS: All Structural Steel Pipe shall be ASTM A53 Grade B with a minimum yield of 35,000 p.s.i., or A500 Grade B or C with a minimum yield of 46,000 p.s.i. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53.
All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 (M183, M223 Gr. 50,).

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

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

ANCHOR RODS: All-threaded rod shall conform to ASTM F1554 Grade 105, $\frac{3}{4}$" ϕ x 12" long, each with one plate washer and locknut and be hot dip galvanized with zinc coatings conforming to the requirements of ASTM F 2329. They shall be either cast into the concrete or epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment in concrete shall be 9".

(1) Bracket spacing g ≤ 6'-0", max. Spacing shall be uniform if possible but may vary ±6" to miss existing obstruction (rail post, light poles, web stiffeners, splice plates, etc.). Adjust bracket lengths accordingly on skewed structures.

(2) Any design modifications shall be based on the current version of applicable specifications and submitted for the Engineer's approval.

(3) Unit price includes grating, handrail, brackets, supports, anchor bolts, fasteners, fabrication, delivery, erection, field drilling and other necessary items. Limits of payment are based on grating length (cw, dw) unless otherwise specified. For Safety Chain Details and Details D, F and G, see Base Sheet BM-4.

(4) If walkway bracket at safety chain location is behind sign, add angle to bracket. See detail on Base Sheet BM-4.

WALKWAY GRATING, WALKWAY SUPPORTS, HANDRAIL AND LIGHTING ARE NOT INCLUDED IN THIS CONTRACT.

TOTAL BILL OF MATERIAL

(3) OVERHEAD SIGN STRUCTURE-BRIDGE MOUNTED	Foot	* 30.5

* Limits of payment are based on length of sign panels.

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Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10061.04

BM-1 6-1-12

OSS-27

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE MOUNT SIGN STRUCTURES GENERAL PLAN AND ELEVATION	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - KJN	REVISED -			74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	587
	PLOT SCALE =	DRAWN - VH	REVISED -							CONTRACT NO. 64C08
MODEL= OSS-27 BM-1 General Plan and Elevation	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -		SHEET NO. 27 OF 32 SHEETS			ILLINOIS	FED. AID PROJECT	

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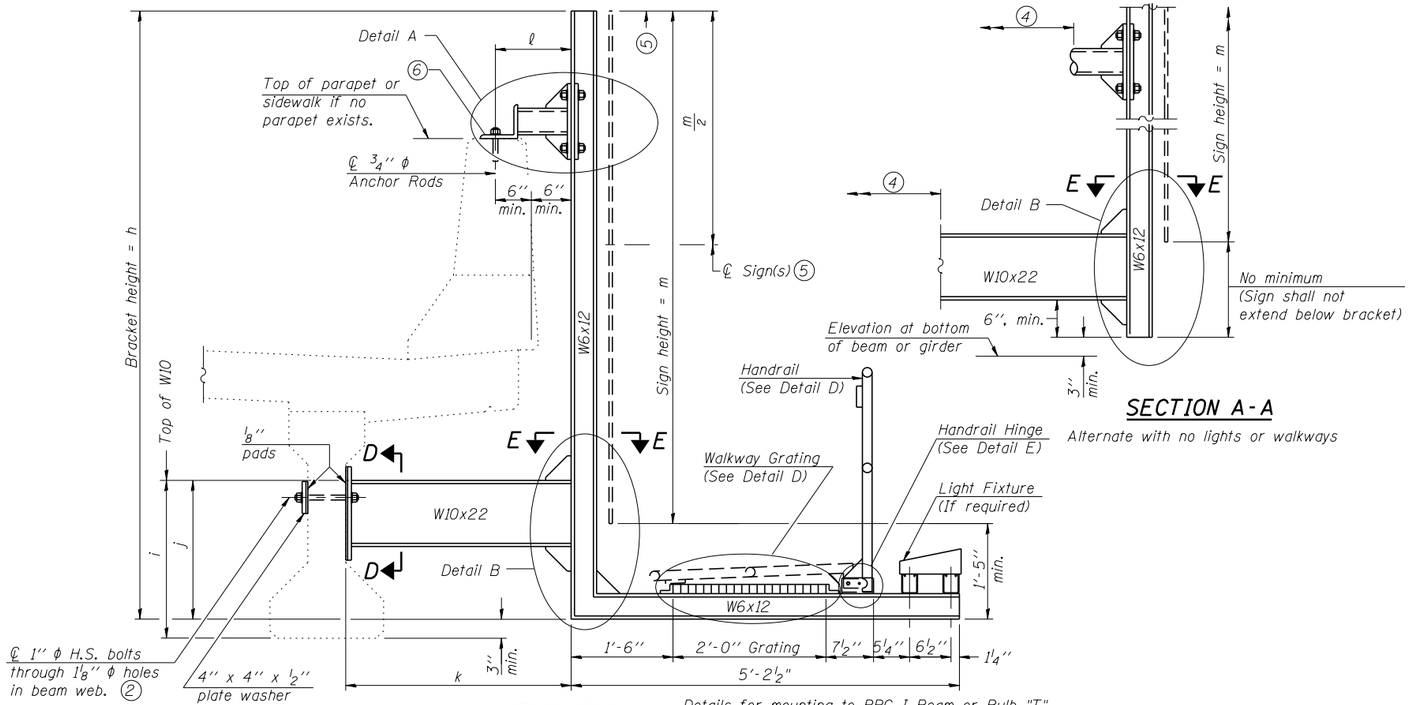
1/19/2017 7:15:48 AM

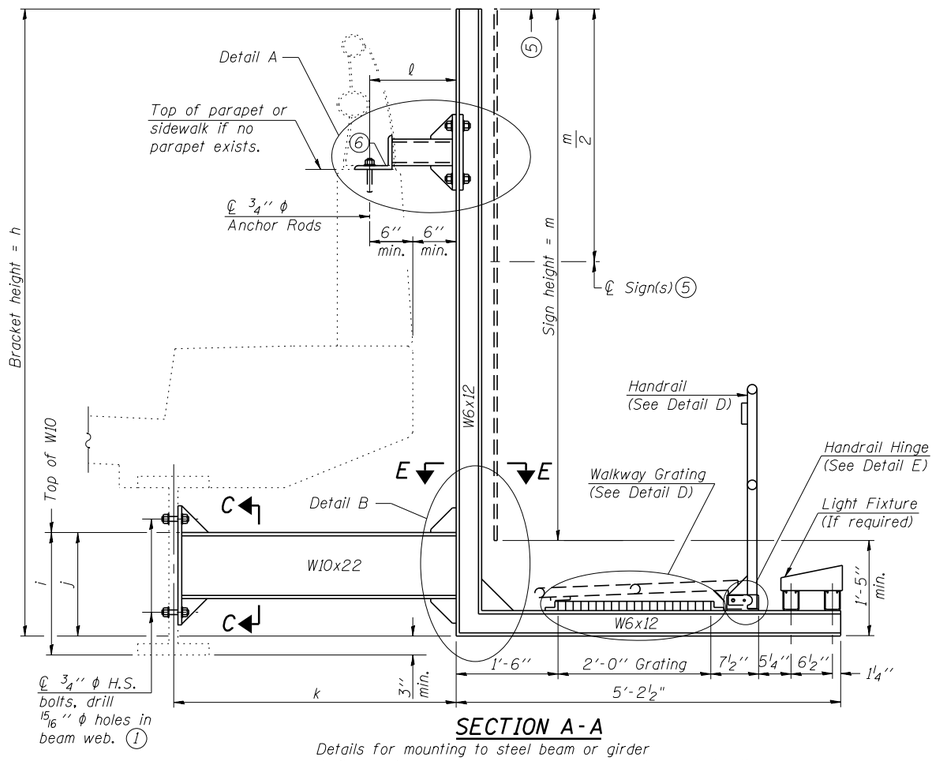


SECTION A-A

Details for mounting to PPC I Beam or Bulb "T" & Details for mounting to parapet w/o rail

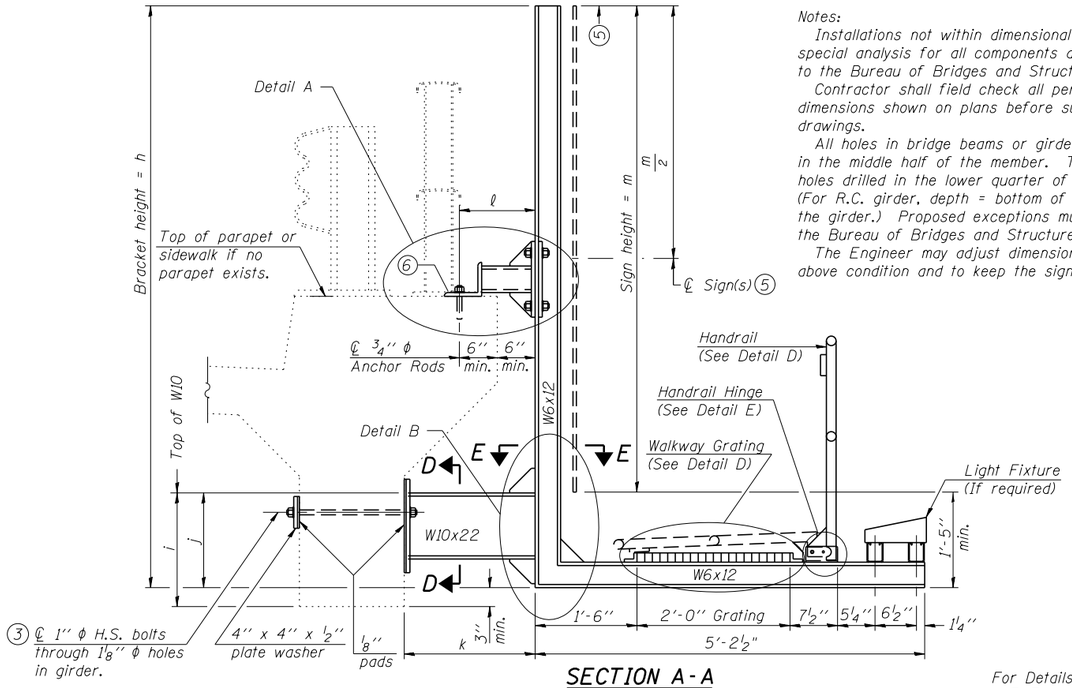
SECTION A-A

Alternate with no lights or walkways



SECTION A-A

Details for mounting to steel beam or girder & Details for mounting with existing parapet mounted rail



SECTION A-A

Details for mounting to integral reinforced concrete girder & Details for mounting on safety curb with surface-mount bridge rail

Notes:

Installations not within dimensional limits shown require special analysis for all components and must be submitted to the Bureau of Bridges and Structures for approval.

Contractor shall field check all pertinent existing bridge dimensions shown on plans before submitting shop drawings.

All holes in bridge beams or girders should be located in the middle half of the member. There shall be no holes drilled in the lower quarter of the member's depth. (For R.C. girder, depth = bottom of deck to bottom of the girder.) Proposed exceptions must be approved by the Bureau of Bridges and Structures.

The Engineer may adjust dimension "i" to meet the above condition and to keep the sign level.

(1) *Holes in new steel members may be drilled in the fabrication shop or in the field. Field drill existing members.*

(2) *For new PPC I beams, holes shall be formed during casting. For existing PPC I beams, prestressing strand locations shall be determined and spaced to miss strands by 6", min. Minimize spalling during field drilling of existing beams.*

(3) *For new construction, form holes. For existing RC beams, locate primary reinforcement and space holes to miss by 6", min. Minimize spalling and concrete fracturing/damage during field drilling of existing concrete. Spalls over ¼" deep or beyond the coverage of the 4x4 plate washer shall be repaired with epoxy mortar before installing washer.*

(4) *For attachment details of 3½" pipe and W10x22, see other sections as applicable.*

(5) *Sign shall not extend more than 6" above top of bracket, and this dimension may vary to keep sign level if bridge is on grade or vertical curve. Multiple signs of various heights shall share a common horizontal centerline and use equal bracket heights. If no sign is attached to a W6x12 vertical (bracket only supporting walkway), dimension h shall be the same as an adjacent bracket with a sign attached, unless Engineer specifically directs shorter brackets due to locational restraints on future uses. (See Detail A for minimum bracket height.)*

(6) *For bridge mounted sign structures installed on new bridges with railing, during design, bracket spacing must be coordinated with railing post spacing and the Contractor must install upper brackets prior to railing installation. For bridge mounted sign structures installed on existing bridges with railing, during design, brackets spacing must be coordinated with railing post spacing and the Contractor must temporarily remove sections of railing to facilitate upper bracket installation. If it is determined during design that existing railings can't be removed, alternate upper connection details must be developed for the contract plans and approved by the Bureau of Bridges and Structures.*

WALKWAY GRATING, WALKWAY SUPPORTS, HANDRAIL AND LIGHTING ARE NOT INCLUDED IN THIS CONTRACT.

Structure Number	Station	h	i	j	k max. (10'-0" max.)	ℓ max. (8'-0" max.)	m (15'-0" max.)
For d_s = 13'-6" 2B081I074R000.9	36+16.49	8.83'	3.85'	1.33'	7.44'	4.58'	6.00'
For d_s = 17'-0" 2B081I074R000.9	36+16.49	8.83'	3.85'	1.33'	8.26'	5.40'	8.00'

For Details A & B, Sections C-C, D-D and E-E, see Base Sheet BM-3.
For Details D & E, see Base Sheet BM-4.

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205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10061.04

BM-2 6-1-12

OSS-28

FILE NAME = D2CONAB-AB-sht-SignStructures.sht
MODEL: OSS-28 BM-2 Walkway and Connection Details
USER NAME = ksnider | PLOT SCALE = | PLOT DATE = 1/19/2017
DESIGNED - MFB | CHECKED - KJN | DRAWN - VH | CHECKED - KJN
REVISED - | REVISED - | REVISED - | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES
WALKWAY AND CONNECTION DETAILS
SHEET NO. 28 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	588
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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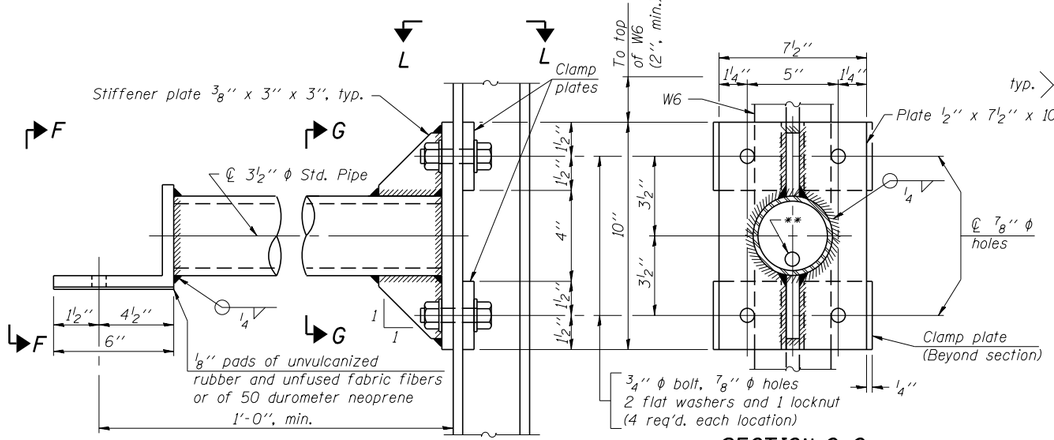
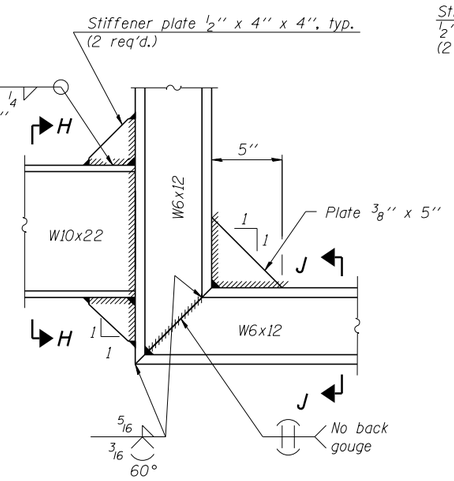
1/19/2017 7:15:49 AM

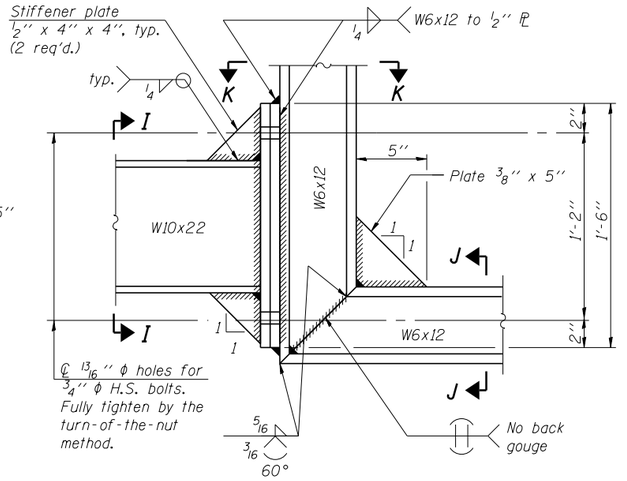


DETAIL A

SECTION G-G

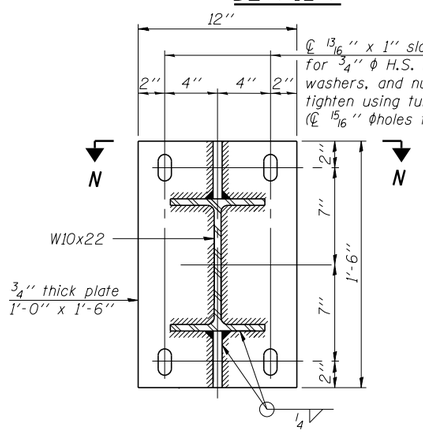


DETAIL B - WELDED W10x22 TO W6x12 CONNECTION



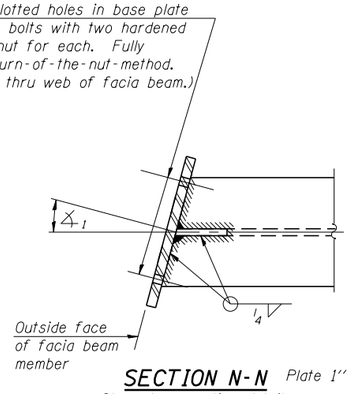
DETAIL B - ALTERNATE BOLTED W10x22 TO W6x12 CONNECTION

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



SECTION C-C

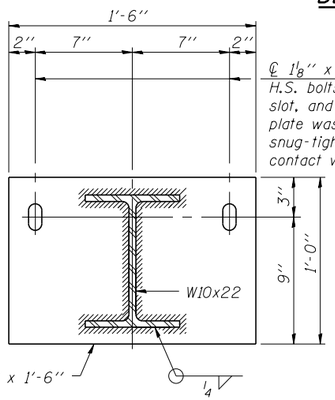
Steel beam or girder connection plate details



SECTION N-N

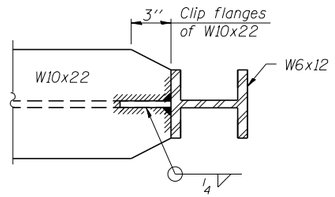
Skewed connection detail for W10x22 to facia beam.

Plate 1" x 12" x 1'-6"

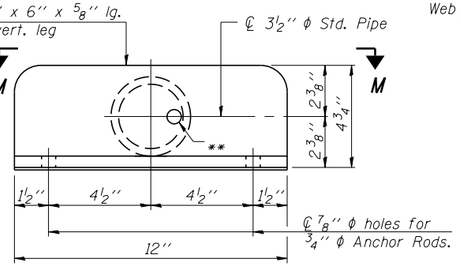


SECTION D-D

Concrete beam or girder connection plate details.

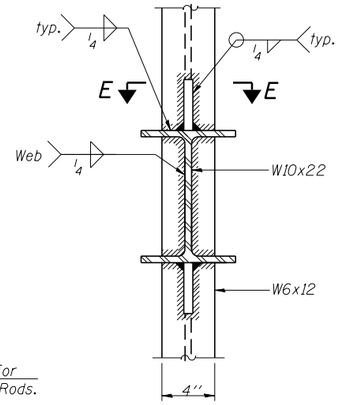


SECTION E-E

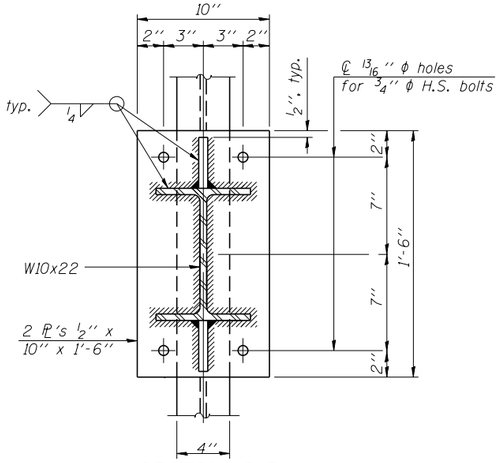


VIEW F-F

** 13/16" ϕ holes for galvanizing. After galvanizing, install 7/8" ϕ A307 hot-dip galvanized bolt to close hole in angle. (No bolt required in 1/2" plate.)



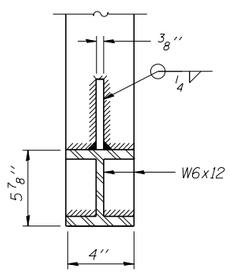
SECTION H-H



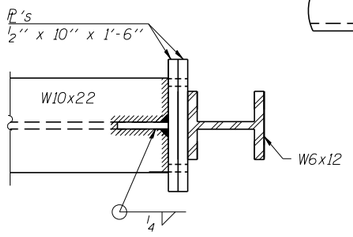
SECTION I-I

Steel beam or girder connection plate details

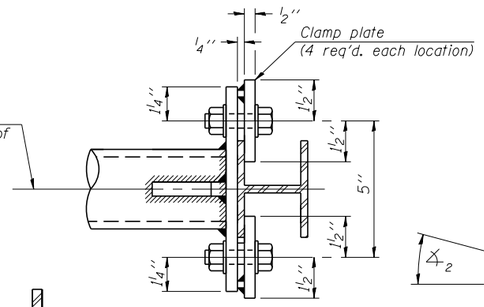
Note: For constant slab overhang at facia beam, $\Delta_1 = \Delta_2$ = sign angle. For flared beams or other special cases where $\Delta_1 \neq \Delta_2$, Δ_1 = sign angle.



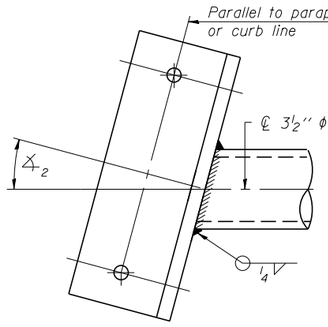
SECTION J-J



SECTION K-K



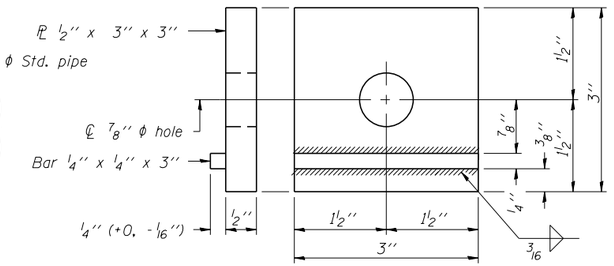
SECTION L-L



SECTION M-M

Skewed connection detail for 3 1/2" ϕ pipe to parapet.

WALKWAY SUPPORTS ARE NOT INCLUDED IN THIS CONTRACT.



CLAMP PLATE DETAILS

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205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10061.04

BM-3

6-1-12

OSS-29

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
	PLOT SCALE =	DRAWN - VH	REVISED -
MODEL: OSS-29 BM-3 Connection Details	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE MOUNT SIGN STRUCTURES
CONNECTION DETAILS

SHEET NO. 29 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	589
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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BORING NO. SB-100

Page 1 of 1

CLIENT: Alfred Benesch & Co.

SITE: Moline, Illinois

PROJECT: Sign, DMS & Lane Utilization Structures

Boring Location: Sta: 7006+40, offset about 77½' RT, eastbound 7th Avenue

Approx. Surface Elev.: 589.4 ft

DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N ** BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf	RIMAC (psf)
0.333 Approx. 4" Topsoil 589.1			HS						
FILL, LEAN CLAY, SILTY CLAY Brown, Brown-Gray		1	SS	0	12				
			HS						
		2	SS	10	2	23			920
		3	HS SS	16	6	22			920
8 ▼ 581.4			HS						
FILL, CLAYEY SAND WITH CRUSHED LIMESTONE Dark Brown		4	SS	8	7	11			
13.5 575.9			HS						
CLAYEY SILT (ALLUVIUM) Gray-Brown Soft	ML CL	5	SS	12	2	27			
			HS						
	ML CL	6	SS	16	3	25			
23.5 565.9			HS						
SANDY LEAN CLAY (GLACIAL DEPOSIT) Brown-Gray Very Stiff 564.4	CL	7	SS	16	15	15			15,500
BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

*Pocket Penetrometer
**CME 140 lb. SPT automatic hammer

WATER LEVEL OBSERVATIONS, ft				
WL	▽ 14	WS	▼ 8	AB
WL	▽		▼	
WL				

Terracon

BORING STARTED	10-2-12		
BORING COMPLETED	10-2-12		
RIG	68	FOREMAN	JA
APPROVED	WKB	JOB #	07095097

BOREHOLE 99 - I-74 BRIDGE OVER MISSISSIPPI.GPJ TERRACON.GDT 2/13/13

BORING NO. SB-101

Page 1 of 1

CLIENT: Alfred Benesch & Co.

SITE: Moline, Illinois

PROJECT: Sign, DMS & Lane Utilization Structures

Boring Location: Sta: 7009+07, offset about 65½' RT, eastbound/westbound 7th Avenue

Approx. Surface Elev.: 588 ft

DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N ** BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf	RIMAC (psf)
0.333 Approx. 4" Topsoil 587.7			HS						
FILL, BRICK, CLAY, SAND Red		1	SS	3	13	19			
3.5 584.5			HS						
LEAN CLAY (ALLUVIUM) Brown Medium Stiff 582.5	CL	2	SS	16	7	23			1940
CLAYEY SILT (ALLUVIUM) Brown Stiff 579.5	ML CL	3	HS SS	18	12	25			970
LEAN TO FAT CLAY (ALLUVIUM) Gray Medium Stiff	CL CH	4	SS	18	5	25			4360
14 Sand seam at 13 feet ▽ 574			HS						
LEAN CLAY, TRACE ORGANICS (ALLUVIUM) Brown Stiff	SP	5	SS	12	10	17 25			
19.5 568.5			HS						
20.5 **HIGHLY WEATHERED LIMESTONE**** 567.5 Gray		6	SS	3	20/6" 50/2"	17			
BOTTOM OF BORING									

Auger refusal at about 20.5 feet.

***Classification of rock materials has been estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

*Pocket Penetrometer
**CME 140 lb. SPT automatic hammer

WATER LEVEL OBSERVATIONS, ft				
WL	▽ 14	WS	▼	
WL	▽		▼	
WL				

Terracon

BORING STARTED	10-3-12		
BORING COMPLETED	10-3-12		
RIG	68	FOREMAN	JA
APPROVED	WKB	JOB #	07095097

BOREHOLE 99 - I-74 BRIDGE OVER MISSISSIPPI.GPJ TERRACON.GDT 2/13/13

BORING NO. SB-102

Page 1 of 1

CLIENT: Alfred Benesch & Co.

SITE: Moline, Illinois

PROJECT: Sign, DMS & Lane Utilization Structures

Boring Location: Sta: 7009+07, offset about 64½' LT, eastbound/westbound 7th Avenue

Approx. Surface Elev.: 587.3 ft

DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N ** BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf	RIMAC (psf)
0.5 Approx. 5" Topsoil 586.8			HS						
FILL, SAND, CLAY, BRICKS Brown		1	SS	6	10	22			
3.5 583.8			HS						
FILL, SANDY LEAN CLAY WITH BRICK Brown		2	SS	16	7	20			3390
		3	HS SS	12	15	22			3390
8.5 578.8			HS						
CLAYEY SILT (ALLUVIUM) Brown-Gray Stiff	ML CL	4	SS	18	13	21			
			HS						
13.5 573.8 ▽	CL CH	5	SS	18	2	28			
SANDY LEAN TO FAT CLAY (ALLUVIUM) Gray-Brown Soft			HS						
23.5 563.8	CL CH	6	SS	18	2	29			
			HS						
24.5 **HIGHLY WEATHERED LIMESTONE**** 562.8		7	SS HS	0	50/1"				
BOTTOM OF BORING									

Auger refusal at about 24½ feet

***Classification of rock materials has been estimated by the drill crew from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

*Pocket Penetrometer
**CME 140 lb. SPT automatic hammer

WATER LEVEL OBSERVATIONS, ft				
WL	▽ 14	WS	▼ 16	AB
WL	▽		▼	
WL				

Terracon

BORING STARTED	10-3-12		
BORING COMPLETED	10-3-12		
RIG	68	FOREMAN	JA
APPROVED	WKB	JOB #	07095097

BOREHOLE 99 - I-74 BRIDGE OVER MISSISSIPPI.GPJ TERRACON.GDT 2/13/13

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Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10061.04

OSS-30

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
MODEL: OSS-30 Soil Boring Logs 1	PLOT SCALE =	DRAWN - VH	REVISED -
	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS

SHEET NO. 30 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	590
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

1/19/2017 7:15:52 AM c:\pwise_work\do_not_delete\dms02542\D2CONAB-AB-sht-SignStructures.sht

BORING NO. SB-103

Page 1 of 1

CLIENT: Alfred Benesch & Co.

SITE: Moline, Illinois

PROJECT: Sign, DMS & Lane Utilization Structures

Boring Location: Sta: 7014+60, offset about 6' RT (median), westbound 7th Avenue

Approx. Surface Elev.: 583 ft

DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N ** BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf	RIMAC (psf)
0.75 Approx. 9" Portland Cement Concrete 582.3				HS						
1.3 Approx. 4" Crushed Limestone 581.7			1	SS	16	11	18			4850
FILL, SANDY LEAN CLAY, LEAN CLAY Brown, Gray-Brown				HS						
			2	SS	18	5	22			2420
	5		3	HS SS	14	9	23			2420
8.5 574.5				HS						
CLAYEY SILT (ALLUVIUM) Gray-Brown Medium Stiff		ML CL	4	SS	18	6	26			1450
14 ▽ 569	10			HS						
LEAN TO FAT CLAY (ALLUVIUM) Gray Soft ▼		CL CH	5	SS	18	3	25			2420
18 565	15			HS						
SANDY FAT CLAY (GLACIAL TILL) Gray										
20 Very Stiff 563		CH	6	SS	16	18	15			14,100
BOTTOM OF BORING	20									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

*Pocket Penetrometer
**CME 140 lb. SPT automatic hammer

WATER LEVEL OBSERVATIONS, ft				
WL	▽ 14	WS	▼ 16	AB
WL	▽		▼	
WL				

Terracon

BORING STARTED	10-3-12		
BORING COMPLETED	10-3-12		
RIG	68	FOREMAN	JA
APPROVED	WKB	JOB #	07095097

BOREHOLE 99 I-74 BRIDGE OVER MISSISSIPPI.GPJ TERRACON.GDT 11/14/14

BORING NO. SB-104

Page 1 of 1

CLIENT: Alfred Benesch & Co.

SITE: Moline, Illinois

PROJECT: Sign, DMS & Lane Utilization Structures

Boring Location: Sta: 7014+60, offset about 61' RT, westbound 7th Avenue

Approx. Surface Elev.: 583.5 ft

DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N ** BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf	RIMAC (psf)
0.5 Approx. 5" Topsoil 583				HS						
FILL, SANDY LEAN CLAY Dark Brown			1	SS	10	6	18			
				HS						
	5		2	SS	16	6	19			970
			3	HS SS	10	5	23			
8.5 575				HS						
SANDY LEAN CLAY (POSSIBLE FILL) Brown Soft		CL	4	SS	6	2	21			
13 570.5	10			HS						
CLAYEY SILT (ALLUVIUM) Brown-Gray Soft ▼		ML CL	5	SS	16	3	31			
18 565.5	15			HS						
CLAYEY SAND WITH LIMESTONE PIECES (RESIDUAL SOIL) Brown Dense ▽										
20 563.5		SC	6	SS	10	37	14			
BOTTOM OF BORING	20									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

*Pocket Penetrometer
**CME 140 lb. SPT automatic hammer

WATER LEVEL OBSERVATIONS, ft				
WL	▽ 19	WS	▼ 16	AB
WL	▽		▼	
WL				

Terracon

BORING STARTED	10-3-12		
BORING COMPLETED	10-3-12		
RIG	68	FOREMAN	JA
APPROVED	WKB	JOB #	07095097

BOREHOLE 90 I-74 BRIDGE OVER MISSISSIPPI.GPJ TERRACON.GDT 2/1/13

benesch engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10061.04

OSS-31

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - MFB	REVISED -
		CHECKED - KJN	REVISED -
MODEL: OSS-31 Soil Boring Logs 2	PLOT SCALE =	DRAWN - VH	REVISED -
	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS

SHEET NO. 31 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	591
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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BORING NO. SB-105

Page 1 of 1

CLIENT: Alfred Benesch & Co.

SITE: Moline, Illinois

PROJECT: Sign, DMS & Lane Utilization Structures

Boring Location: Sta: 1913+71.50, offset about 67½' RT, northbound/southbound 19th Street

Approx. Surface Elev.: 590.2 ft

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT, N ** BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: DRY UNIT WT pcf	TESTS: UNCONFINED STRENGTH, psf	RIMAC (psf)
	0.4 Approx. 4" Topsoil 589.8				HS						
	FILL, SAND, CONCRETE, CLAY			1	SS	12	10/6" 50/4"	10			
	2.5 Brown 587.7				HS						
	CRUSHED LIMESTONE* **			2	SS	0	6				
	6 584.2	5			HS						
	FILL, CLAYEY SAND Brown			3	SS	16	9	17			970
	9 581.2				HS						
	CLAYEY SILT (ALLUVIUM) Brown-Gray Medium Stiff	10	ML CL	4	SS	4	6	14			
	14 ▽ 576.2				HS						
	CLAYEY SAND (ALLUVIUM) Gray Very Loose	15	SC	5	SS	16	3	17			
	23.5 566.7				HS						
	SANDY LEAN CLAY (GLACIAL DEPOSIT) Gray Stiff	20	SC CL	6	SS	10	1	27			
	27 563.2				HS						
	SANDY LEAN TO FAT CLAY (RESIDUAL SOIL) Gray Hard	25	CL	7	SS	16	12	17			5820
	30 560.2				HS						
	BOTTOM OF BORING	30	CL CH	8	SS	12	37	13			15,500

***Soil descriptions are based on the driller's field classification of disturbed samples.

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

*Pocket Penetrometer
**CME 140 lb. SPT automatic hammer

WATER LEVEL OBSERVATIONS, ft				
WL	▽ 14	WS	▼ None	AB
WL	▽		▼	
WL				

Terracon

BORING STARTED	10-3-12		
BORING COMPLETED	10-3-12		
RIG	68	FOREMAN	JA
APPROVED	WKB	JOB #	07095097

BOREHOLE SB-105 I-74 BRIDGE OVER MISSISSIPPI GPJ TERRACON.GDT 2/13/13

BORING NO. SB-106

Page 1 of 1

CLIENT: Alfred Benesch & Co.

SITE: Moline, Illinois

PROJECT: Sign, DMS & Lane Utilization Structures

Boring Location: About Sta: 1913+93, offset about 51' LT, northbound/southbound 19th Street

Approx. Surface Elev.: 589 ft

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: RECOVERY, in.	SAMPLES: SPT, N ** BLOWS / ft.	TESTS: WATER CONTENT, %	TESTS: DRY UNIT WT pcf	TESTS: UNCONFINED STRENGTH, psf	RIMAC (psf)
	0.333 Approx. 4" Topsoil 588.7				HS						
	FILL, SANDY LEAN CLAY, SILTY CLAY WITH CRUSHED LIMESTONE Brown			1	SS	16	16	8			1940
					HS						
				2	SS	10	20	11			
		5			HS						
				3	SS	10	14	11			
	8 ▼ 581				HS						
	CLAYEY SILT (ALLUVIUM) Gray Medium Stiff to Stiff	10	ML CL	4	SS	8	8	23			2910
					HS						
	13.5 575.5										
	SANDY LEAN CLAY, TRACE ORGANICS (ALLUVIUM) Gray Soft	15	CL SC	5	SS	10	2	27			
					HS						
	18 571										
	FAT CLAY (RESIDUAL SOIL) Dark Gray Very Stiff	20	CH	6	SS	16	18	22			8240
					HS						
	23 566										
	HIGHLY WEATHERED LIMESTONE AND SHALE* ** Gray	25		7	SS HS	1	50/3"	15			
	30 559	30		8	SS HS	0	50/0"				
	BOTTOM OF BORING										

***Classification of rock materials has been estimated from disturbed samples. Core samples and petrographic analysis may reveal other rock types.

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.

*Pocket Penetrometer
**CME 140 lb. SPT automatic hammer

WATER LEVEL OBSERVATIONS, ft				
WL	▽ 8	WS	▼ 8	AB
WL	▽		▼	
WL				

Terracon

BORING STARTED	10-3-12		
BORING COMPLETED	10-3-12		
RIG	68	FOREMAN	JA
APPROVED	WKB	JOB #	07095097

BOREHOLE SB-106 I-74 BRIDGE OVER MISSISSIPPI GPJ TERRACON.GDT 2/13/13

benesch engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10061.04

OSS-32

FILE NAME = D2CONAB-AB-sht-SignStructures.sht	USER NAME = ksnider	DESIGNED - KJN	REVISED -
		CHECKED - AWH	REVISED -
	PLOT SCALE =	DRAWN - KMS	REVISED -
MODEL: OSS-32 Soil Boring Logs 3	PLOT DATE = 1/19/2017	CHECKED - KJN	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SOIL BORING LOGS

SHEET NO. 32 OF 32 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	592
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			

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SUMMARY OF ITS QUANTITIES

Pay Code	Item	Unit	Estimated Total	As Built Quan.
2000323	POWER INSTALLED FOUNDATION	EACH	1	
2000329	MVDS COMM CABLE, INSTALL ONLY	FOOT	1960	
2000330	MVDS POWER CABLE, INSTALL ONLY	FOOT	980	
2000334	45 FT STEEL ITS POLE, BLACK PAINTED	EACH	3	
80500300	SERVICE INSTALLATION, TYPE C	EACH	1	
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	5885	
81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	40	
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	160	
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x10"x6"	EACH	1	
81301500	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 28"x12"x6"	EACH	1	
81400100	HANDHOLE	EACH	17	
X8140105*	HANDHOLE (SPECIAL)	EACH	2	
81702100	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 12	FOOT	2710	
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	2620	
81702140	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 4	FOOT	1990	
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 2	FOOT	3330	
82700100	TRANSFORMER, GENERAL PURPOSE	EACH	2	
X0325482*	REMOVE EXISTING ITS EQUIPMENT	EACH	11	
X0326263*	EQUIPMENT CABINET	EACH	2	

• NON-STANDARD PAY ITEM - SEE SPECIAL PROVISIONS

ITS DELIVERY AND STOCKPILING

110-13
04-20-10

Item Description	Quantity	Units	Delivery Location	Contact Name & Number	Remarks
DELIVER ITS CABINET AND APPURTENANCES TO IOWA DOT	4	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	4	EACH			
REMOVE HANDHOLES AND APPURTENANCES. DELIVER TO IOWA DOT IF REQUESTED.	3	EACH			
		EACH			
		EACH			
		EACH			

LISTING OF ITS HANDHOLE & JUNCTION BOX WORK

LABEL	STATION	OFFSET	TYPE	#2 Power Coil	#4 Power Coil	MVDS COMM Cable Coil	MVDS POWER Cable Coil
HH11-S1E*	FIELD VERIFY	LOCATION	TYPE III				
HH11-P5E*	FIELD VERIFY	LOCATION	TYPE I				
HH11-2	6746+87	191 RT	HANDHOLE				
HH11-P1	6746+83	191 RT	HANDHOLE		2x5FT		
HH11-1	6746+71	92 RT	HANDHOLE (SPECIAL)				
HH11-P2	6746+71	88 RT	HANDHOLE				
HH11-D1	6746+91	191 RT	HANDHOLE			2x5FT	1x5FT
HH11-D2	6746+71	84 RT	HANDHOLE				
HH11-P3E*	FIELD VERIFY	LOCATION	TYPE I				
HH11-P4E*	FIELD VERIFY	LOCATION	TYPE I				
HH10-D1	28+97	92 RT	HANDHOLE			2x100FT	1x100FT
HH10-2E*	FIELD VERIFY	LOCATION	HANDHOLE (SPECIAL)				
HH10-P3	30+73	156 LT	HANDHOLE				
HH10-P2	31+92	301 LT	HANDHOLE	2x5FT	2x5FT		
HH10-1E*	FIELD VERIFY	LOCATION	HANDHOLE (SPECIAL)				
HH10-P1	34+30	107 LT	HANDHOLE				
HH9-4	42+92	158 LT	HANDHOLE				
HH9-3	43+91	190 LT	HANDHOLE				
HH9-2	46+41	164 LT	HANDHOLE (SPECIAL)				
HH9-1	49+62	117 LT	HANDHOLE				
HH9-P3	42+92	154 LT	HANDHOLE				
HH9-P2	43+91	186 LT	HANDHOLE				
HH9-P1	46+38	160 LT	HANDHOLE				
HH9-5	46+51	72 LT	HANDHOLE				
HH9-P4	46+47	72 LT	HANDHOLE	2x5FT			
JB9-6	ATTACHED TO	PIER CAP	12"x10"x6"				
JB9-7	IN BARRIER	RAIL	28"x12"x6"				

*EXISTING HANDHOLES BY OTHERS
NOTE: HANDHOLES IN ORDER OF INCREASING STATION

LISTING OF ITS CONDUIT WORK

Conduit Run	Location From	Location To	Conduit Length	2" PVC Conduit in Structure	2" PVC Coated RGS Attached to Structure	2" HDPE Conduit Plowed	2" HDPE Conduit Bored	#2 Cable Power	#4 Cable Power	#8 Cable Power	Install #12 Tracer	MVDS COMM Cable	MVDS POWER Cable
10R	HH11-P5E	HH11-D1	515			1						2	1
11B	HH11-2/HH11-D1/HH11-P1	POLE FOUNDATION	15			3			2	1	1	2	1
11A	HH11-2/HH11-D1/HH11-P1	HH11-1/HH11-D2/HH11-P2	105				3		2	1	1	2	1
10B	HH11-1/HH11-P2	HH10-2E/HH10-P3	655				2		2	1	1		
11C+	HH11-D2	HH11-P3E	85									2	1
11D+	HH11-P3E	HH11-P4E	50									2	1
11P+	HH11-P4E	HH11-P5E	65									2	1
10Q	HH10-D1	POLE FOUNDATION	40		1							2	1
10L	HH10-P3	HH10-P2	190				1		2	1			
10K	HH10-P2	EXISTING METER	20			1		2	2	1			
10J	HH10-P2	HH10-P1	310				1	2		1			
9D	HH10-1E	HH9-4	1070				1				1		
9L	HH10-P1	HH9-P3	870				1	2		1			
9C	HH9-4	HH9-3	105				1				1		
9B	HH9-3	HH9-2	255			1					1		
9A	HH9-2	HH9-1	330				1				1		
9K	HH9-93	HH9-P2	105				1	2		1			
9J	HH9-P2	HH9-P1	255			1		2		1			
9E	HH9-2	HH9-5	85				1				1		
9M	HH9-P1	HH9-P4	85				1	2		1			
9F	HH9-5	CABINET 5C	10			1					1		
9N	HH9-P4	CABINET 5C	10			1		2		1			
9G	CABINET 5C	HH9-6	55	2							1		
9H	HH9-6	HH9-7	5	2							1		
9I	HH9-7	POLE FOUNDATION	20	2							1		

+EXISTING CONDUIT BY OTHERS

LISTING OF ITS CABINET WORK

Cabinet Label	Sheet Number	Cabinet Size	Pole Mount	Pad Mount
CABINET 8J	ITS-04	36"x24"x17"	X	
CABINET 5C	ITS-06	36"x24"x17"		X

ITS-01

FILE NAME = c:\pwise_work\do_not_delete\dms01359\D2PACKAB-IT-sht-its100.sht	USER NAME = csoenksen	DESIGNED - DJM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS PLANS QUANTITIES	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - DJM	REVISED -				74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	593
	PLOT SCALE = NA	CHECKED - SPG	REVISED -					CONTRACT NO. 64C08		
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -		SCALE: NA SHEET NO. 5930F 1504SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT	

LAYOUT | DRAWN | REVIEWED

GENERAL NOTES

1. THE CONTRACTOR'S BID SHALL INCLUDE ALL LABOR, EQUIPMENT, AND MATERIAL NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL ITS INSTALLATION IN CONFORMANCE WITH THE PLANS AND SPECIFICATIONS.

2. THE PLAN LOCATIONS OF UNDERGROUND UTILITIES, WHEN SHOWN, ARE APPROXIMATE ONLY. IN ADDITION, A PORTION OF UTILITY INFORMATION MAY NOT HAVE BEEN PROVIDED. ALL UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITIES AND LOCATOR SERVICES AND SCHEDULING THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ALSO CONTACT ANY AND ALL UTILITIES AND LOCAL GOVERNMENT AGENCIES NOT PARTICIPATING IN LOCATION SERVICES.

3. PROPOSED ITS EQUIPMENT LOCATIONS ARE APPROXIMATE AND MAY REQUIRE MODIFICATION TO AVOID CONFLICTS WITH UNDERGROUND UTILITES OR OTHER OBSTRUCTIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ANY CONFLICTS WITH EXISTING UTILITIES AT SITES IN THE FIELD PRIOR TO INITIATION OF CONSTRUCTION AT THAT SITE. AS THE CCTV AND SENSOR LOCATIONS ARE LOCATION SENSITIVE, THE CONTRACTOR SHALL RECEIVE WRITTEN APPROVAL FROM THE ENGINEER PRIOR TO REVISING THE PLAN LOCATION OF ANY CONDUIT, POLES, FOUNDATIONS, OR CABINETS.

4. ABOVE GROUND RISERS SHALL BE RIGID STEEL CONDUIT. ALL OTHER CONDUIT SHALL BE HDPE CONDUIT. RIGID P.V.C. CONDUIT (SCHEDULE 40 OR AS APPROVED) MAY BE SUBSTITUTED FOR CONDUIT RUNS UNDER 50 FEET.

5. ANY AND ALL IMPROVEMENTS SUCH AS ASPHALT OR CONCRETE PAVEMENTS, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, CULVERTS, DRAIN TILES, EMBANKMENTS, SHRUBS, TREES, GRASS, SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS (OR BETTER) AS DIRECTED BY THE ENGINEER.

6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR EXISTING CONDUIT, CONDUCTORS, OR OTHER FACILITIES DAMAGED DURING CONSTRUCTION. ALL EXISTING INFRASTRUCTURE REMOVED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR, WITH NO ADDITIONAL COMPENSATION.

7. THE CONTRACTOR SHALL NOT DISTURB ANY EXISITING UTILITIES EXCEPT AS SPECIFICALLY DEFINED WITHIN THE SCOPE OF WORK FOR THIS CONTRACT. WHERE WORK AFFECTS OR IS AFFECTED BY THE EXISTING UTILITIES, THE WORK SHALL BE COORDINATED WITH THE UTILITY COMPANY AND/OR OWNER. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE DOT.

8. UTILITY COMPANIES WHOSE FACILITIES ARE SHOWN ON THE PLANS OR KNOWN TO BE WITHIN THE CONSTRUCTION LIMITS SHALL BE NOTIFIED BY THE CONTRACTOR OF THE STARTING CONSTRUCTION DATE.

9. ALL CONDUIT SHALL BE PLACED AT A 48 INCH MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE PLANS.

10. THE CONTRACTOR SHALL BORE UNDER ANY EXISTING ASPHALT OR CONCRETE PAVEMENT, RAILROAD, OR OTHER STRUCTURE.

11. THE CONTRACTOR SHALL PLOW ALL CONDUIT WHERE EXISTING CONDITIONS ALLOW UNLESS OTHERWISE SPECIFIED ON THE PLANS. THE CONTRACTOR MAY BORE IN LIEU OF PLOWING AT THE CONTRACTOR'S EXPENSE.

12. THE MINIMUM BENDING RADIUS OF CONDUIT AND MULTIDUCT SYSTEMS SHALL BE THE LARGER OF THE FIBER OPTIC CABLE MANUFACTURER'S RECOMMENDATION OR NATIONAL ELECTRIC CODE (NEC) REQUIREMENTS. ALL CONDUIT SWEEP RADII SHALL BE GREATER AND/OR EQUAL TO 15 INCHES.

13. ALL WIRING AND GROUNDING SYSTEMS SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE.

14. THIS PROJECT DOES NOT INCLUDE PURCHASING, OR INSTALLTION OF ANY CAMERAS, SENSORS, OR OTHER ITS DEVICES.

GENERAL NOTES

15. LINEAR MEASUREMENTS ARE TAKEN BETWEEN POLE BASE, HANDHOLE, AND JUNCTION BOX CENTERS AND DO NOT INCLUDE ALLOWANCES FOR VERTICAL RISES OR SPLICES.

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.

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 APPROACH BRIDGE, VIADUCT, AND ROADWAY PROJECTS.

18. CONTRACTOR SHALL FURNISH AND INSTALL AT LEAST ONE EXPANSION FITTING PER VERTICAL CONDUIT RUN. COST OF EXPANSION FITTINGS IS INCLUDED IN THE COST OF THE CONDUIT. SEE LIGHTING SHEETS FOR ADDITIONAL INFORMATION.

19. GALVANIZED HINGED EXTENSION SPLIT CONDUIT CLAMPS SHALL BE USED TO SECURE AND SUPPORT CONDUIT ATTACHED TO STRUCTURES. CONDUIT SHALL BE SECURED AND SUPPORTED IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE. COST OF CONDUIT CLAMPS IS INCLUDED IN THE COST OF THE CONDUIT.

20. ALL MECHANICAL CONCRETE ANCHORS OR MECHANICAL INSERTS SHALL CONFORM TO MATERIALS IM 453.09. ALL COMPONENTS OF THE ATTACHMENT ASSEMBLIES TO CONCRETE SHALL BE HOT DIP OR MECHANICALLY GALVANIZED STEEL ONLY. ELECTRODEPOSITED ZINC COATING WILL NOT BE ALLOWED. ALL CONCRETE ANCHORS SHALL BE POST-INSTALLED MECHANICAL CONCRETE ANCHORS OR CAST-IN-PLACE INSERTS. CONTRACTOR SHALL AVOID ALL REINFORCING WHEN DRILLING HOLES FOR CONCRETE ANCHORS. COST OF CONCRETE ANCHORS IS INCLUDED IN THE COST OF CONDUIT ATTACHED TO STRUCTURE.

21. FIELD WELDING OF ITS ATTACHMENTS TO THE VIADUCT STRUCTURE IS NOT ALLOWED.

22. ALL HANDHOLE LIDS SHALL BE LABELED. HANDHOLES FOR FIBER OPTIC COMMUNICATIONS SHALL BE LABELED 'FIBER OPTIC'. HANDHOLES FOR ITS POWER SHALL BE LABELED 'ELECTRICAL'.

ITS LEGEND

INFRASTRUCTURE

- PLOWED CONDUIT
- BORED CONDUIT
- CABINET
- STEP DOWN TRANSFORMER
- HANDHOLE (COMM)
- HANDHOLE (POWER)
- JUNCTION BOX (COMM)
- JUNCTION BOX (POWER)
- ITS POLE
- POWER SOURCE (EXISTING)
- METER PEDESTAL (EXISTING)

DEVICES*

- MOTOR VEHICLE DETECTOR SENSOR (MVDS)
- ITS CLOSED CIRCUIT TELEVISION CAMERA (CCTV)
- NON-ITS CLOSED CIRCUIT TELEVISION CAMERA (SSTV)

*SEE NOTE 14.

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LAYOUT
DRAWN
REVIEWED

ITS-02

FILE NAME =	USER NAME = csoenksen	DESIGNED - DJM	REVISED -
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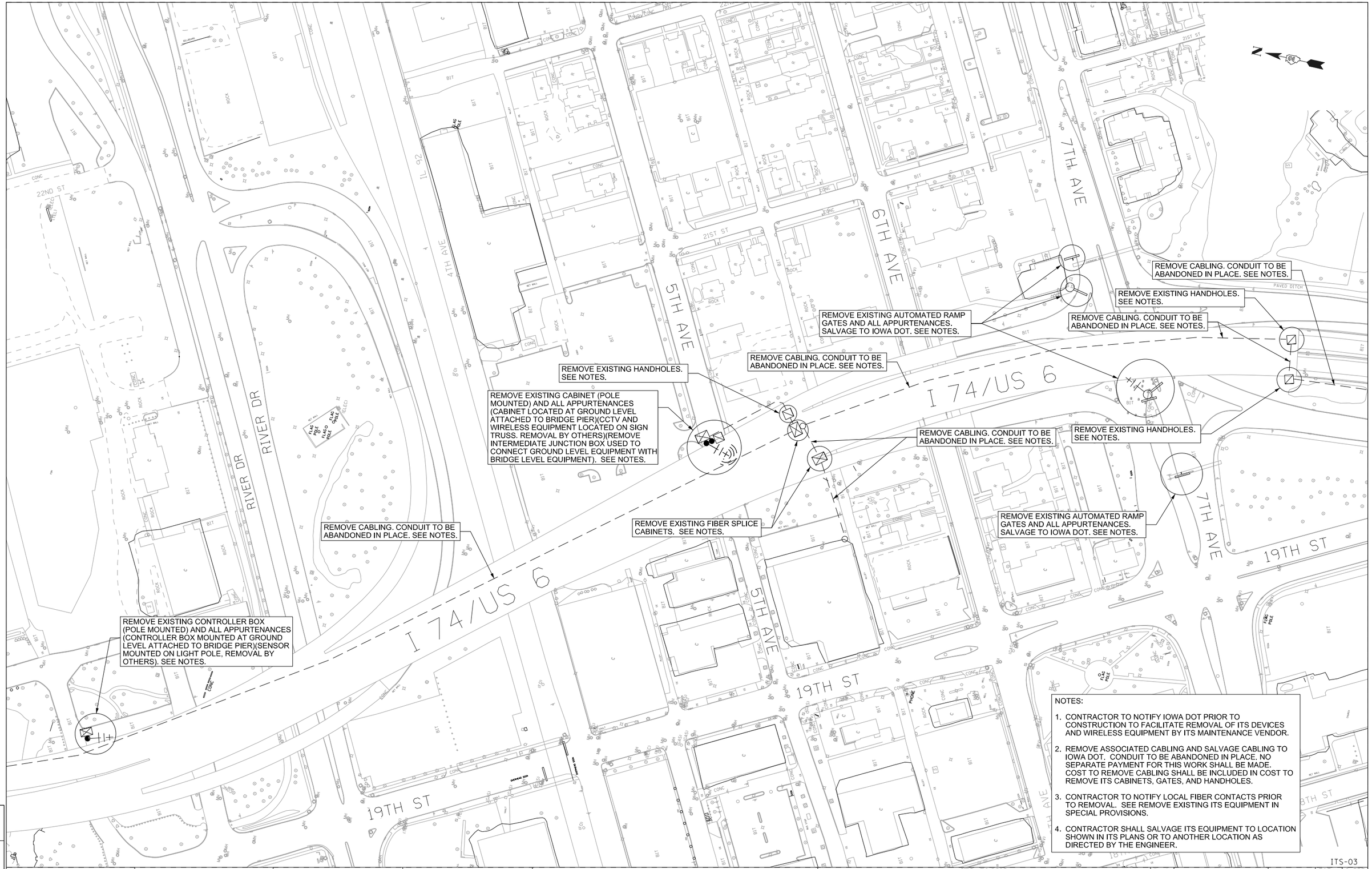
	PLOT SCALE = NA	CHECKED - SPG	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS PLANS
GENERAL NOTES

SCALE: NA | SHEET NO. 5940F 1504SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	594
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. CONTRACTOR TO NOTIFY IOWA DOT PRIOR TO CONSTRUCTION TO FACILITATE REMOVAL OF ITS DEVICES AND WIRELESS EQUIPMENT BY ITS MAINTENANCE VENDOR.
2. REMOVE ASSOCIATED CABLING AND SALVAGE CABLING TO IOWA DOT. CONDUIT TO BE ABANDONED IN PLACE. NO SEPARATE PAYMENT FOR THIS WORK SHALL BE MADE. COST TO REMOVE CABLING SHALL BE INCLUDED IN COST TO REMOVE ITS CABINETS, GATES, AND HANDHOLES.
3. CONTRACTOR TO NOTIFY LOCAL FIBER CONTACTS PRIOR TO REMOVAL. SEE REMOVE EXISTING ITS EQUIPMENT IN SPECIAL PROVISIONS.
4. CONTRACTOR SHALL SALVAGE ITS EQUIPMENT TO LOCATION SHOWN IN ITS PLANS OR TO ANOTHER LOCATION AS DIRECTED BY THE ENGINEER.

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ITS-03

FILE NAME = c:\pwise_work\do_not_delete\dms01359\D2PACKAB-IT-sht-its100.sht	USER NAME = csoenksen	DESIGNED - DJM	REVISED -
		DRAWN - DJM	REVISED -
	PLOT SCALE = NA	CHECKED - SPG	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

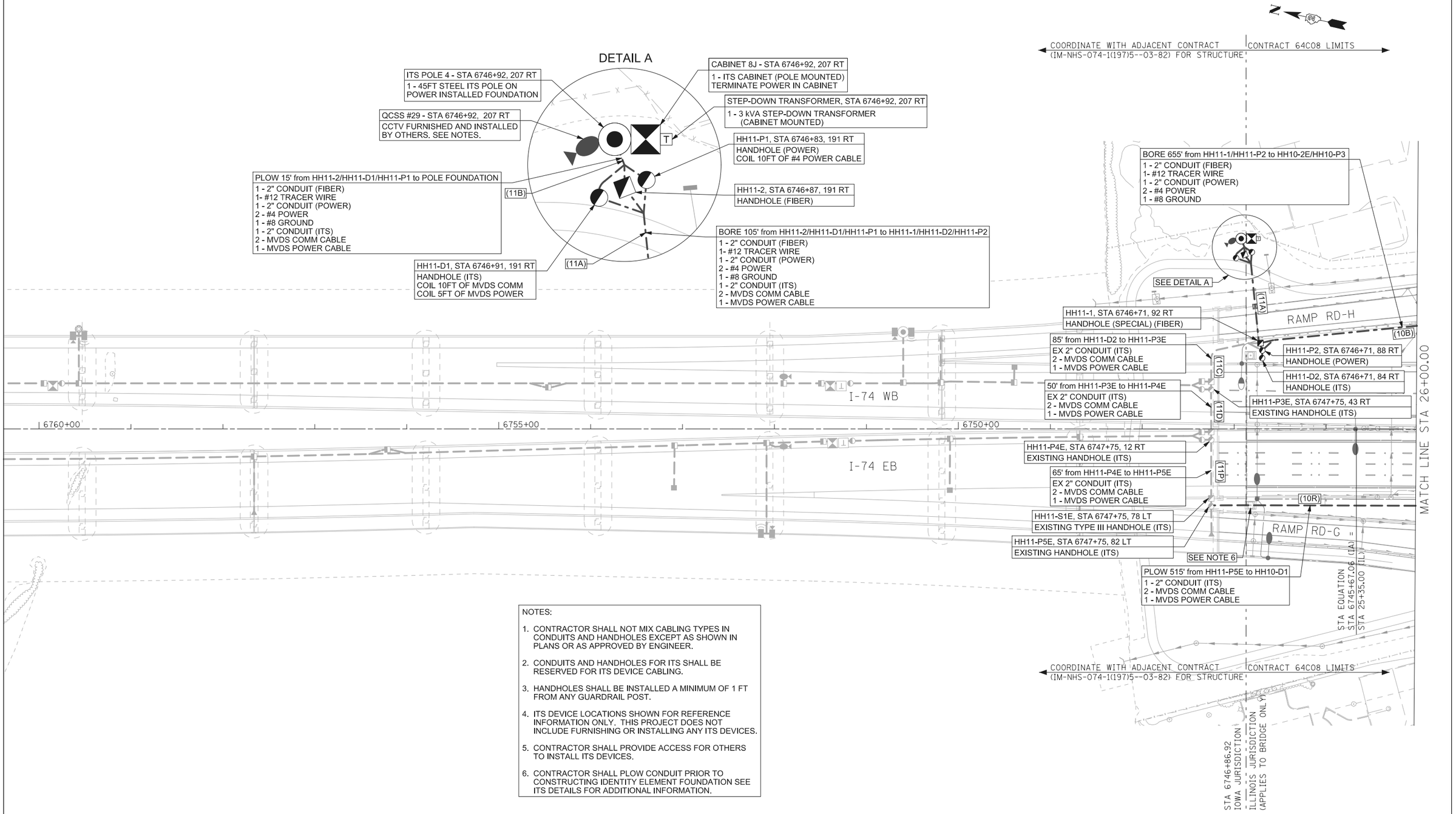
LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS PLANS
REMOVALS

SCALE: NA | SHEET NO. 595OF 1504SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	595
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. CONTRACTOR SHALL NOT MIX CABLING TYPES IN CONDUITS AND HANDHOLES EXCEPT AS SHOWN IN PLANS OR AS APPROVED BY ENGINEER.
2. CONDUITS AND HANDHOLES FOR ITS SHALL BE RESERVED FOR ITS DEVICE CABLING.
3. HANDHOLES SHALL BE INSTALLED A MINIMUM OF 1 FT FROM ANY GUARDRAIL POST.
4. ITS DEVICE LOCATIONS SHOWN FOR REFERENCE INFORMATION ONLY. THIS PROJECT DOES NOT INCLUDE FURNISHING OR INSTALLING ANY ITS DEVICES.
5. CONTRACTOR SHALL PROVIDE ACCESS FOR OTHERS TO INSTALL ITS DEVICES.
6. CONTRACTOR SHALL PLOW CONDUIT PRIOR TO CONSTRUCTING IDENTITY ELEMENT FOUNDATION SEE ITS DETAILS FOR ADDITIONAL INFORMATION.

SCALE: 0 50' 100'

ITS-04

FILE NAME = c:\pwise_work\do_not_delete\dms01359\D2PACKAB-IT-sht-its100.sht	USER NAME = csoenksen	DESIGNED - DJM	REVISED -
		DRAWN - DJM	REVISED -
	PLOT SCALE = 1" = 50'	CHECKED - SPG	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

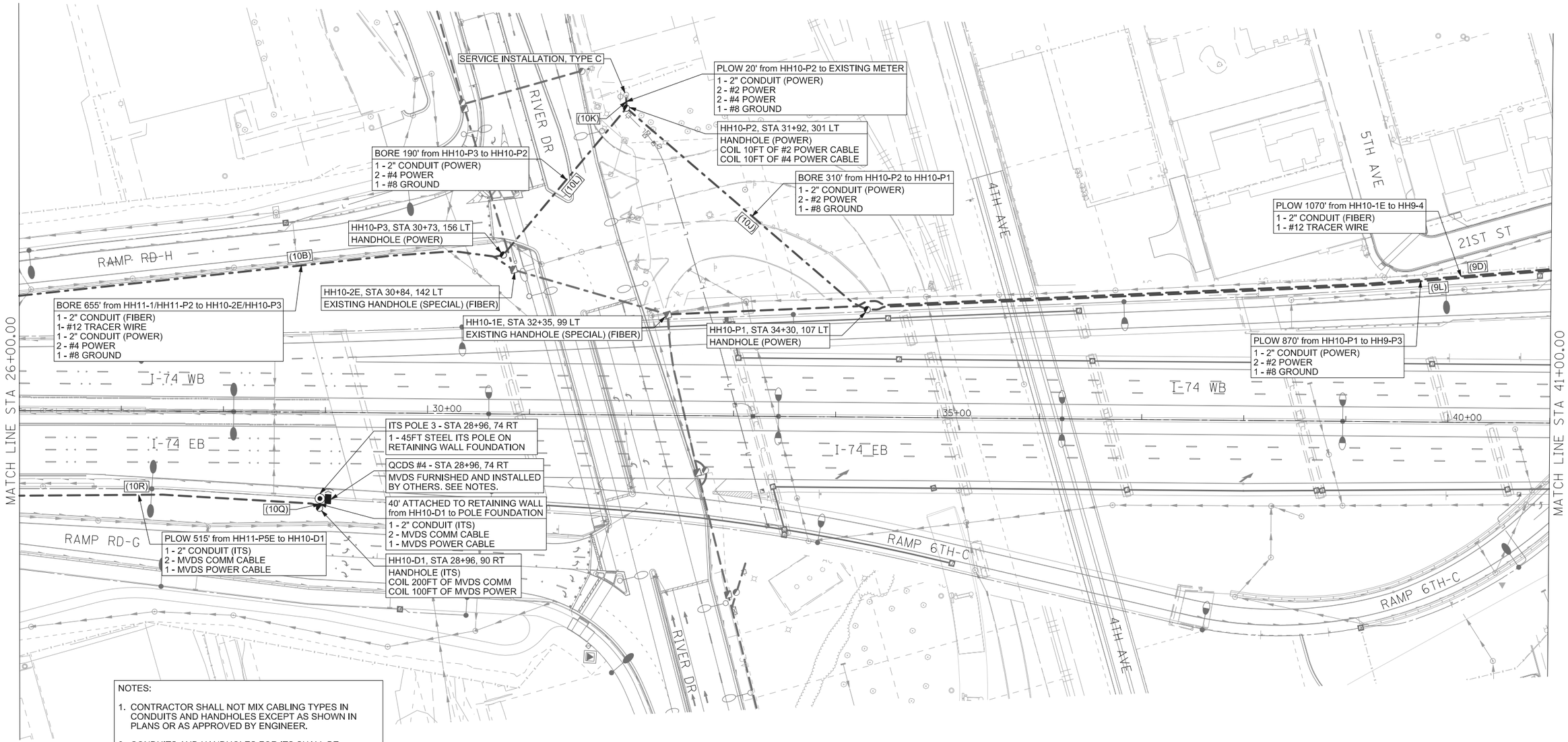
LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS PLANS
I-74 MAINLINE & RAMPS
STA 6760+00 TO STA 26+00

SCALE: 1" = 50' | SHEET NO. 59 OF 150 SHEETS | STA. 6760+00 TO STA. 26+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1)HVBR	ROCK ISLAND	1504	596
		CONTRACT NO. 64C08		
		ILLINOIS FED. AID PROJECT		



NOTES:

1. CONTRACTOR SHALL NOT MIX CABLING TYPES IN CONDUITS AND HANDHOLES EXCEPT AS SHOWN IN PLANS OR AS APPROVED BY ENGINEER.
2. CONDUITS AND HANDHOLES FOR ITS SHALL BE RESERVED FOR ITS DEVICE CABLING.
3. HANDHOLES SHALL BE INSTALLED A MINIMUM OF 1 FT FROM ANY GUARDRAIL POST.
4. ITS DEVICE LOCATIONS SHOWN FOR REFERENCE INFORMATION ONLY. THIS PROJECT DOES NOT INCLUDE FURNISHING OR INSTALLING ANY ITS DEVICES.
5. CONTRACTOR SHALL PROVIDE ACCESS FOR OTHERS TO INSTALL ITS DEVICES.

SCALE: 0 50' 100'

ITS-05

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	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

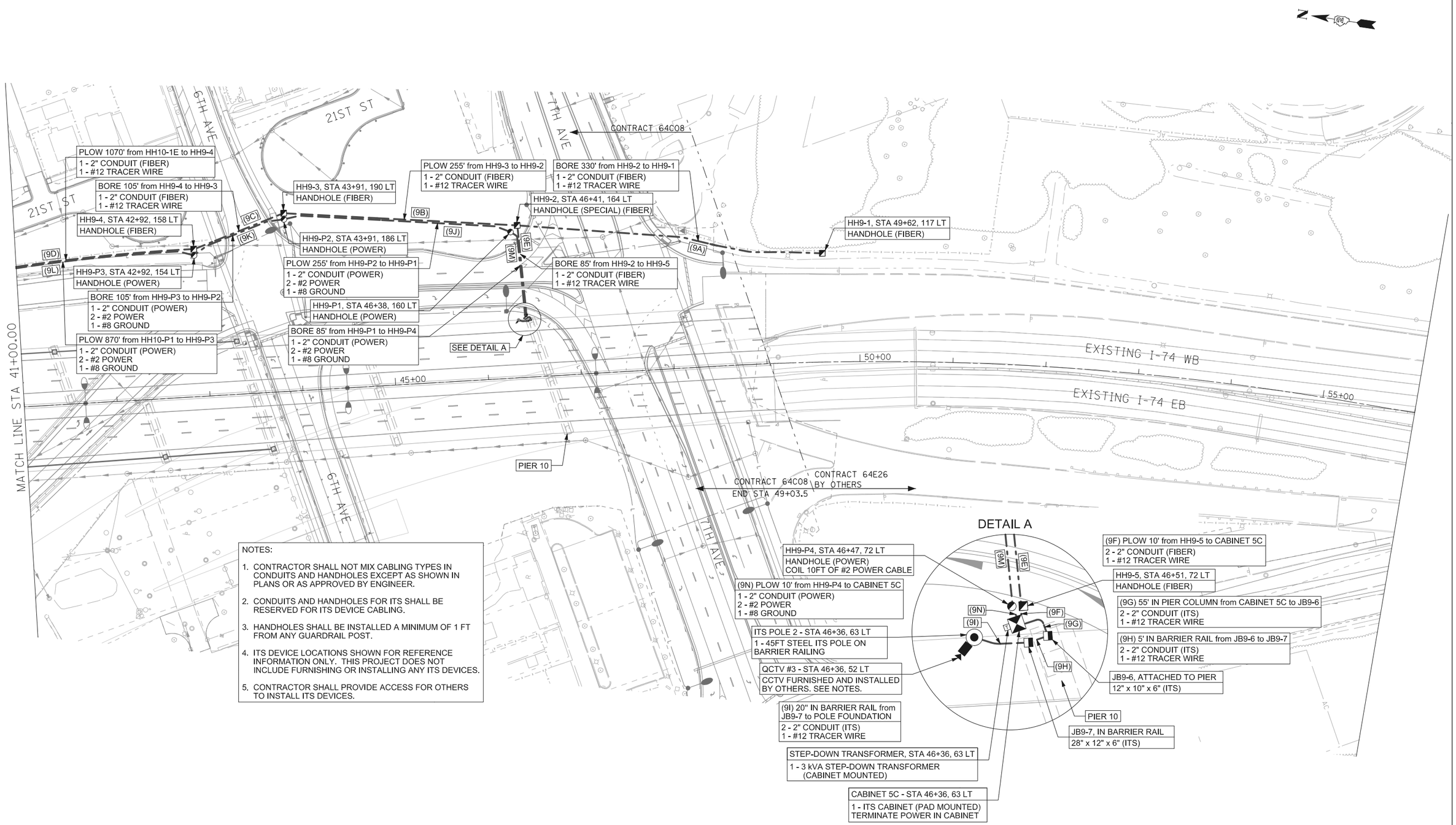
LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS PLANS
I-74 MAINLINE & RAMPS
STA 26+00 TO STA 41+00

SCALE: 1" = 50' | SHEET NO. 597 OF 1504 SHEETS | STA. 26+00 | TO STA. 41+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	597
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



SCALE: 0 50' 100'

ITS-06

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	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

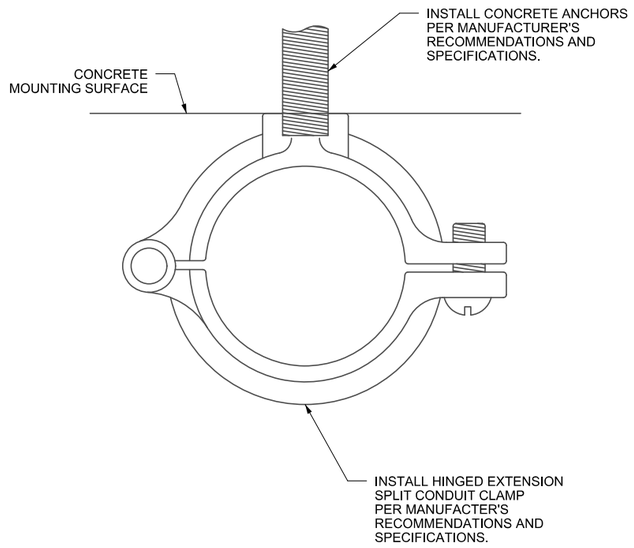
LAYOUT | DRAWN | REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS PLANS
I-74 MAINLINE & RAMPS
STA 41+00 TO STA 56+00

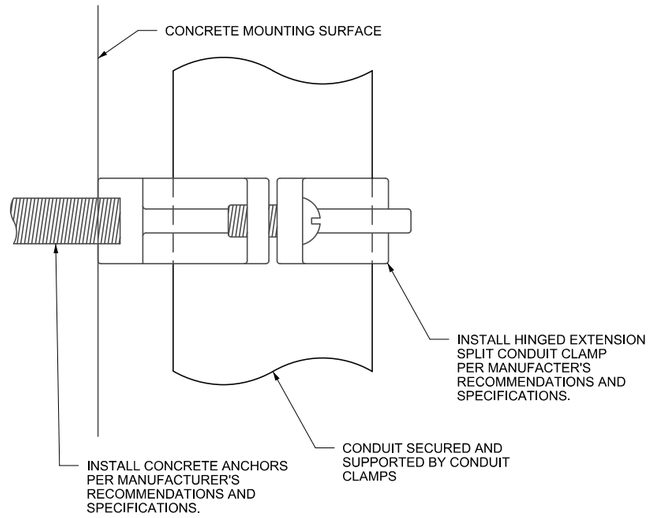
SCALE: 1" = 50' | SHEET NO. 59 80F 150 4SHEETS | STA. 41+00 | TO STA. 56+00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	598
		CONTRACT NO. 64C08		
	ILLINOIS FED. AID PROJECT			



TOP VIEW OF CONDUIT CLAMP

NOT TO SCALE

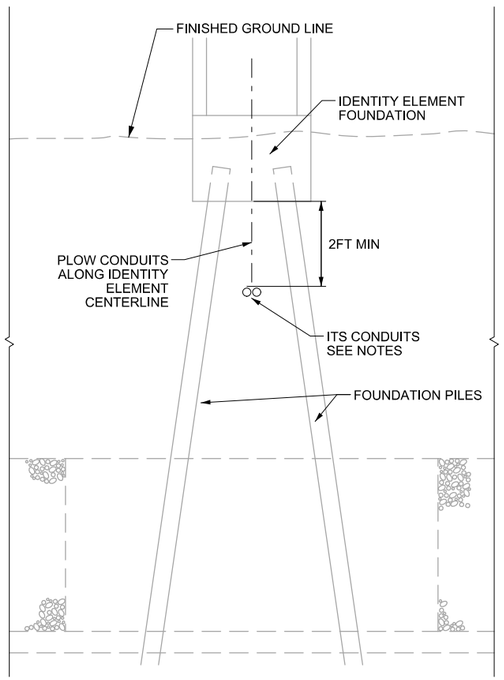


SIDE VIEW OF CONDUIT CLAMP

NOT TO SCALE

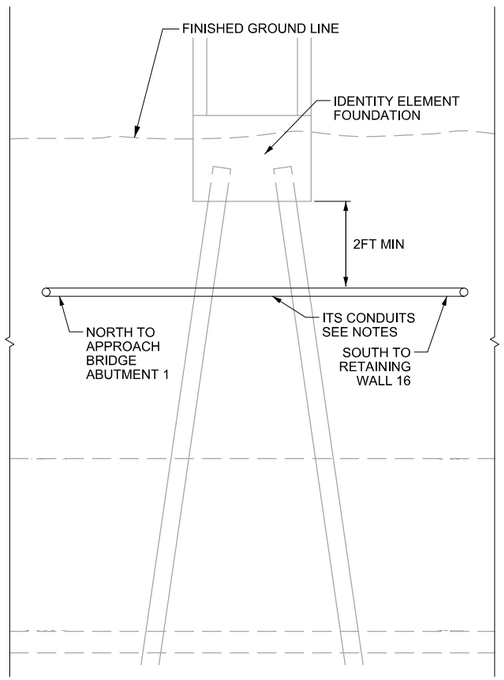
GENERAL NOTES

1. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT STANDARDS AND SUPPLEMENTAL SPECIFICATIONS.
2. CONTRACTOR SHALL PLOW CONDUIT PRIOR TO INSTALLING IDENTITY ELEMENT FOUNDATION.
3. RISERS SHALL CONTAIN AT LEAST ONE CONDUIT EXPANSION FITTING. SEE LIGHTING SHEETS FOR ADDITIONAL INFORMATION REGARDING EXPANSION FITTING.
4. RISERS SHALL BE SECURED AT THE BEGINNING AND END OF EACH CONDUIT RUN AND SHALL BE SUPPORTED EVERY 10 FEET.
5. SEE STRUCTURAL DETAILS FOR ADDITIONAL INFORMATION REGARDING LIGHT POLE FOUNDATION.



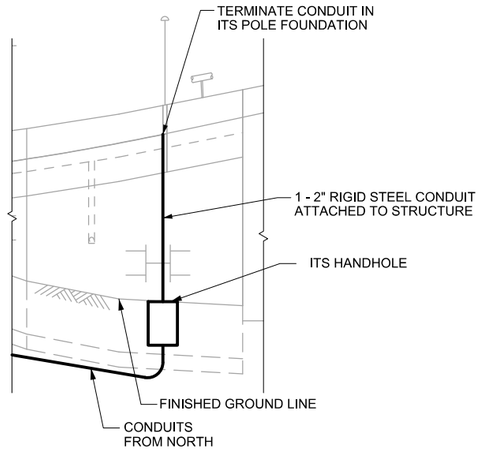
CONDUIT ROUTING NEAR IDENTITY ELEMENT

NOT TO SCALE - LOOKING SOUTH



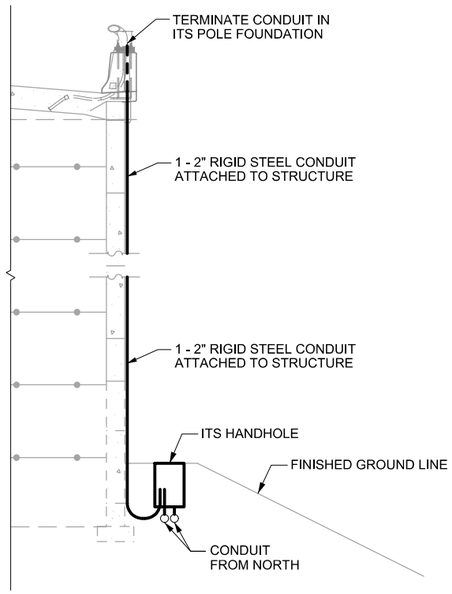
CONDUIT ROUTING NEAR IDENTITY ELEMENT

NOT TO SCALE - LOOKING EAST



CONDUIT ROUTING UP RETAINING WALL 16

NOT TO SCALE - LOOKING EAST



CONDUIT ROUTING UP RETAINING WALL 16

NOT TO SCALE - LOOKING SOUTH

ITERIS

LAYOUT
DRAWN
REVIEWED

ITS-07

FILE NAME = c:\pwise_work\do_not_delete\dms01359\D2PACKAB-IT-sht-its100.sht	USER NAME = csoenksen	DESIGNED - DJM	REVISED -
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	PLOT SCALE = NA	CHECKED - SPG	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

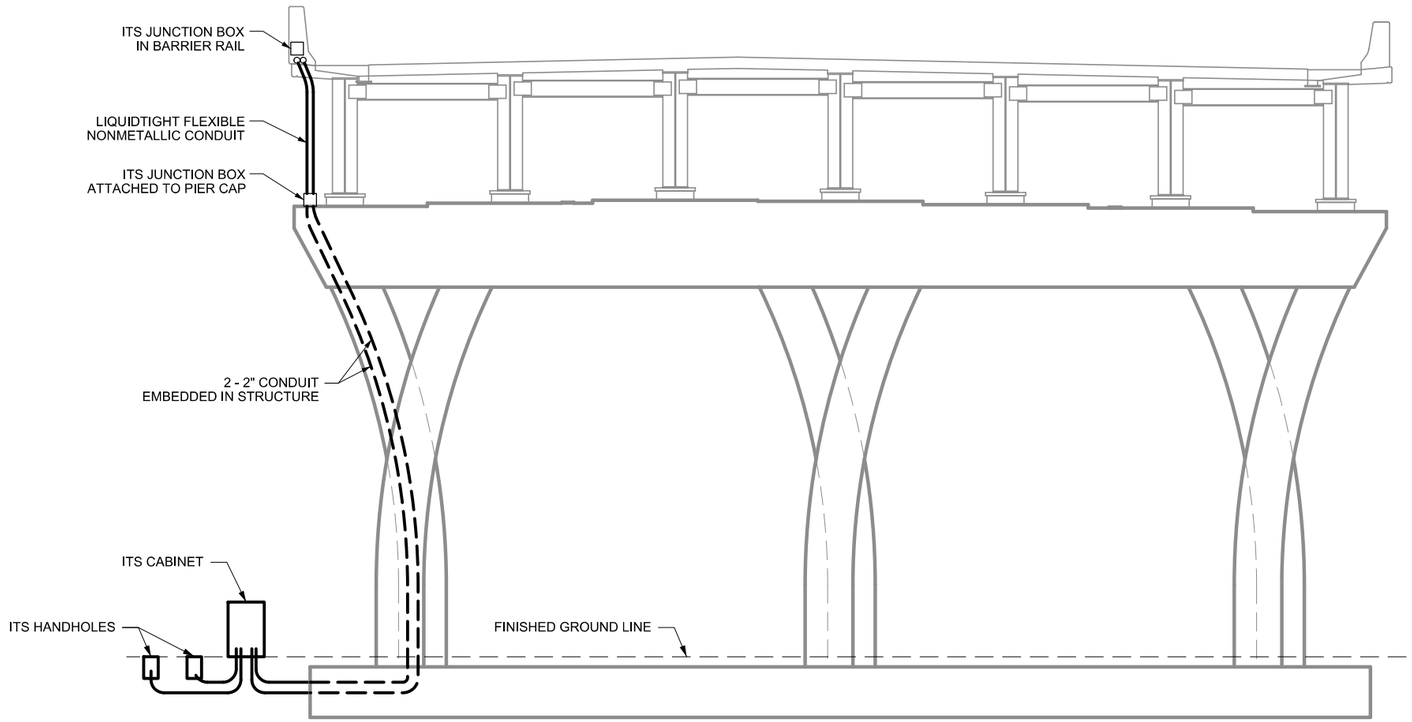
ITS PLANS
DETAILS
CONDUIT ROUTING NEAR RAMP RD-G

SCALE: NA | SHEET NO. 5990F 1504SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	599
		CONTRACT NO. 64C08		
		ILLINOIS	FED. AID PROJECT	

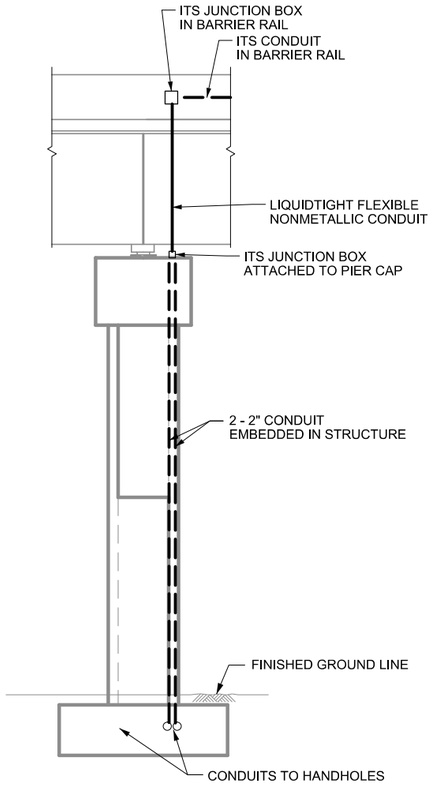
GENERAL NOTES

1. MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT STANDARDS AND SUPPLEMENTAL SPECIFICATIONS.
2. RISERS SHALL CONTAIN AT LEAST ONE CONDUIT EXPANSION FITTING. SEE LIGHTING SHEETS FOR ADDITIONAL INFORMATION REGARDING EXPANSION FITTINGS.
3. SEE STRUCTURAL DETAILS FOR ADDITIONAL INFORMATION REGARDING CONDUIT EMBEDDED IN PIER COLUMN AND BARRIER RAIL.



CONDUIT ROUTING AT PIER 10

NOT TO SCALE - LOOKING SOUTH



CONDUIT ROUTING AT PIER 10

NOT TO SCALE - LOOKING WEST

ITS-08

FILE NAME =	USER NAME = csoenksen	DESIGNED - DJM	REVISED -
c:\pwise_work\do_not_delete\dms01359\D2PACKAB-IT-sht-its100.sht		DRAWN - DJM	REVISED -
	PLOT SCALE = NA	CHECKED - SPG	REVISED -
	PLOT DATE = 1/19/2017	DATE - 1/20/2017	REVISED -

LAYOUT
DRAWN
REVIEWED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS PLANS
DETAILS
CONDUIT AT PIER 10

SCALE: NA | SHEET NO. 6000F 1504SHEETS | STA. | TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(81-1)R & 81-1HVBR	ROCK ISLAND	1504	600
		CONTRACT NO. 64C08		
	ILLINOIS	FED. AID PROJECT		