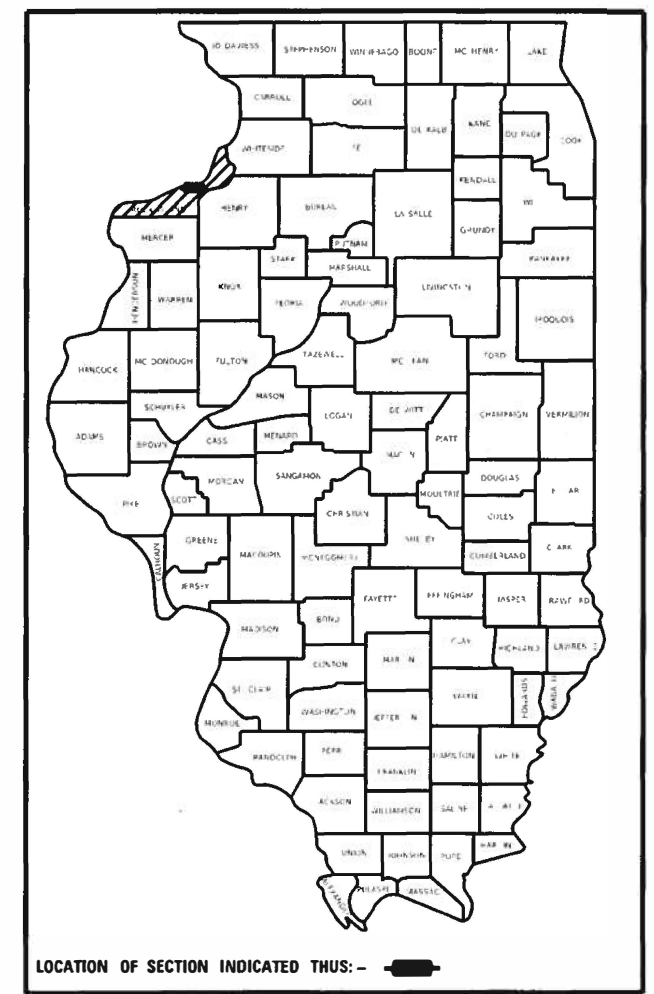


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1B)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	309	1
ILLINOIS			CONTRACT NO. 64F78	

D-92-017-10



PROPOSED HIGHWAY PLANS

FAI ROUTE 280 (I-280)
SECTION (81-1B)D & (81-1-1,81-1-2)RS-1
PROJECT NHPP-YJLB (572)
BRIDGE DECK REPLACEMENT AND RESURFACING
ROCK ISLAND COUNTY
SN 081-0106 AND FROM MISSISSIPPI RIVER
BRIDGE TO EAST OF THE IL 92 INTERCHANGE

FOR INDEX OF SHEETS, SEE SHEET NO. 2

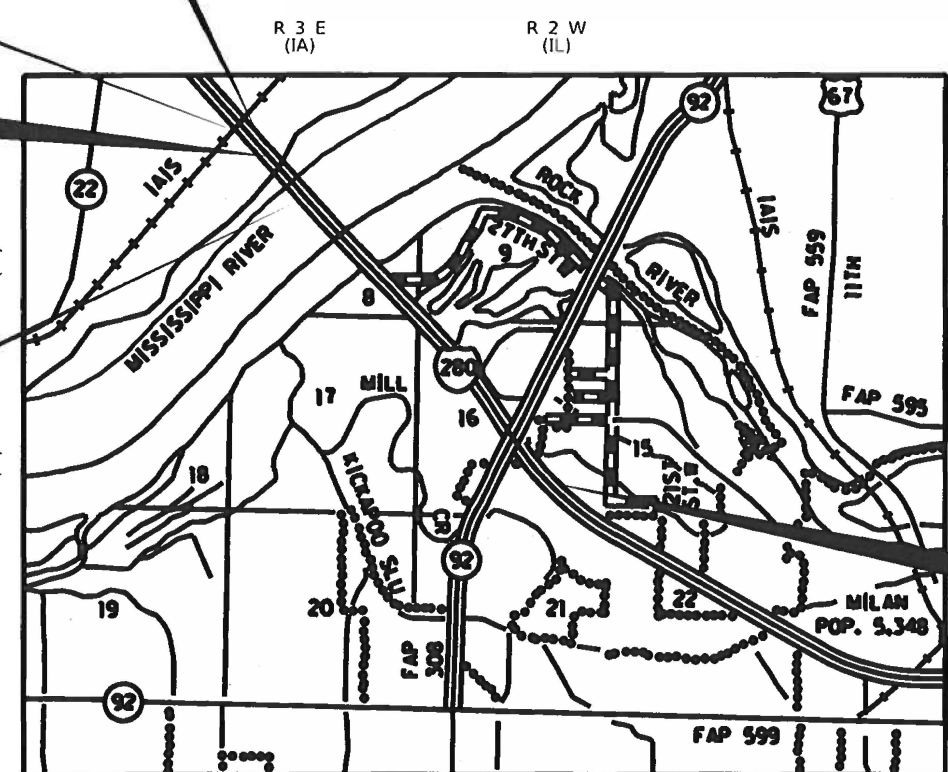
HIGHWAY CLASSIFICATION
F.A.I. ROUTE 280 (I-280)
CLASSIFICATION: INTERSTATE
ADT: 21,250 (2022 PROJECTION)
P.V. = 14,700
M.U. = 3,920
S.U. = 2,630
DESIGN SPEED: 70 MPH
POSTED SPEED: 70 MPH

IMPROVEMENT BEGINS
STA. 466 + 21

STATION EQUATION
BK 500 + 00/AH 11 + 13.30

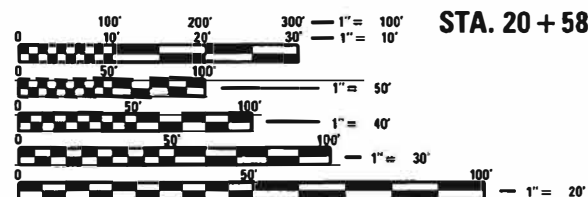
SECTION/PROJECT BEGINS
STA. 19 + 28

DECK REPLACEMENT
STA. 20 + 58 TO STA. 62 + 51
SN 081-0106



BLACKHAWK TOWNSHIP (IL)
DAVENPORT TOWNSHIP (IA)

SECTIONS (8,9,16,17)
SECTIONS (8,17)



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: FAITH DUNCAN
SQUAD LEADER: ROBERT BARTON (815) 284-5958
EMAIL: Robert.Barton@Illinois.gov

CONTRACT NO. 64F78

GROSS LENGTH = 11,921 FT. = 2.26 MILES
NET LENGTH = 11,921 FT. = 2.26 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 12th 2020
[Signature] Regional Engineer
October 2, 2020
[Signature] Engineer of Design and Environment
October 2, 2020
[Signature] Director of Highways Project Implementation

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 001001-02 AREA OF REINFORCEMENT BARS
 001006 DECIMAL OF AN INCH AND OF A FOOT
 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
 420001-09 PAVEMENT JOINTS
 420206-12 ENTRANCE RAMP TERMINAL
 420401-13 PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
 420701-03 PAVEMENT WELDED WIRE REINFORCEMENT
 442001-04 CLASS A PATCHES
 442101-09 CLASS B PATCHES
 442201-03 CLASS C AND D PATCHES
 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
 482006-03 HMA SHOULDER ADJACENT TO RIGID PAVEMENT
 515001-04 NAME PLATE FOR BRIDGES
 630001-12 STEEL PLATE BEAM GUARDRAIL
 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
 631011-10 TRAFFIC BARRIER TERMINAL, TYPE 2
 631031-16 TRAFFIC BARRIER TERMINAL, TYPE 6
 631046-04 TRAFFIC BARRIER TERMINAL, TYPE 10
 635001-02 DELINEATORS
 642001-02 SHOULDER RUMBLE STRIPS, 16 IN
 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
 701400-09 APPROACH TO LANE CLOSURE FREEWAY / EXPRESSWAY
 701401-12 LANE CLOSURE, FREEWAY / EXPRESSWAY
 701406-12 LANE CLOSURE FREEWAY / EXPRESSWAY, DAY OPERATIONS ONLY
 701411-09 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEED ≥ 45MPH
 701416-11 LANE CLOSURE, FREEWAY / EXPRESSWAY WITH CROSSOVER AND BARRIER
 701426-09 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
 701428-01 TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
 701456-05 PARTIAL EXIT RAMP CLOSURE FREEWAY / EXPRESSWAY
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 720006-04 SIGN PANEL ERECTION DETAILS
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 728001-01 TELESCOPING STEEL SIGN SUPPORT
 780001-05 TYPICAL PAVEMENT MARKINGS
 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
 542001-01 CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375MM) THROUGH 84" (2100MM) DIAMETER
 602106-02 DRAINAGE STRUCTURES, TYPES 4 & 5
 602306-03 INLET, TYPE B
 604071-05 FRAME AND GRATE, TYPE 20

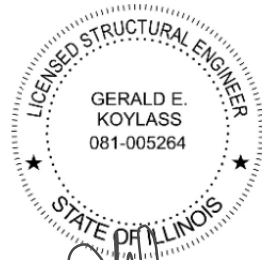
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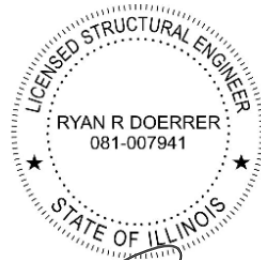
James I. Robinson
SIGNATURE

EXPIRES: NOVEMBER 30, 2021
DATE: AUGUST 7, 2020
SHEETS: 48,49,51-72,77,78,219,
224&225



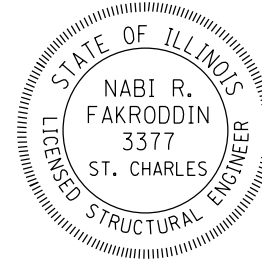
Gerald E. Koylass
SIGNATURE

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-156,164-168,170-181,185
-192,197,202-215&217



Ryan R. Doerrer
SIGNATURE

EXPIRES: NOVEMBER 30, 2020
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162,163,169,182-184



Nabi R. Fakroddin
SIGNATURE

EXPIRES: NOVEMBER 30, 2020
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MODEL SHEET
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENGINEERING SEALS AND SIGNATURES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	3
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				BRIDGE		BRIDGE		ROADWAY
				SN 081-0106		SN 081-0106		0005
				0013		0047		NHPP
				NHPP FED 90% STATE 10%	IOWA 100%	NHPP FED 90% STATE 10%	IOWA 100%	NHPP FED 90% STATE 10%
				URBAN	URBAN	URBAN	URBAN	URBAN
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	30	15	15			
52100520	ANCHOR BOLTS, 1"	EACH	160	80	80			
52100540	ANCHOR BOLTS, 1 1/2"	EACH	120	60	60			
54261424	CONCRETE END SECTION, STANDARD 542001, 24", 1:4	EACH	1					1
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	25	12.50	12.50			
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	800					800
58700300	CONCRETE SEALER	SQ FT	8,900	4,450	4,450			
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	274					274
59000200	EPOXY CRACK INJECTION	FOOT	154	77	77			
55200900	STORM SEWERS JACKED IN PLACE, 24"	FOOT	67					67
60600605	CONCRETE CURB, TYPE B	FOOT	32					32
60240395	INLETS, TYPE B	EACH	2					2
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	262.5					262.5
60270000	DRAINAGE STRUCTURES, TYPE 4 WITH ONE TYPE 20 FRAME AND GRATE	EACH	7					7
* 63000017	STEEL PLATE BEAM GUARDRAIL, TYPE D, 6 FOOT POSTS	FOOT	363					363
60270050	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20 FRAME AND GRATES	EACH	2					2
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1					1
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1					1
* 63100105	TRAFFIC BARRIER TERMINAL, TYPE 10	EACH	1					1
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1					1
63200310	GUARDRAIL REMOVAL	FOOT	3,174.5					3,174.5

* SPECIALTY ITEM # NON PARTICIPATING (STATE 100%)

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 13 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B0D&(81-1-1.81-1-2)RS-1	ROCK ISLAND	306	11
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

REV. 10/20/20 REV. 9/15/20

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				ROADWAY	
				BRIDGE		BRIDGE			0005
				SN 081-0106		SN 081-0106			
				0013		0047			
NHPP FED 90% STATE 10%	IOWA 100%	NHPP FED 90% STATE 10%	IOWA 100%	NHPP FED 90% STATE 10%					
				URBAN	URBAN	URBAN	URBAN	URBAN	
# X5420636	PIPE CULVERTS TO BE CLEANED 36"	FOOT	167					167	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	61,134	30,567	30,567				
* X7330064	SIGN SUPPORT SPECIAL	EACH	4					4	
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	52,098	200	200			51,698	
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	4,053	25	25			4,003	
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	6,638					6,638	
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	383					383	
X8410102	TEMPORARY LIGHTING SYSTEM	L SUM	1	0.5	0.5				
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	140	70	70				
Z0001901	JACK AND REPOSITION BEARINGS	EACH	1	0.5	0.5				
Z0001905	STRUCTURAL STEEL REPAIR	POUND	9,090	4,545	4,545				
Z0004405	HOT-MIX ASPHALT SCARIFICATION	SQ YD	16,354					16,354	
Z0004552	APPROACH SLAB REMOVAL	SQ YD	352	176	176				
Z0005880	BRIDGE HANDRAIL REMOVAL	FOOT	8,382	4,191	4,191				

* SPECIALTY ITEM # NON PARTICIPATING (STATE 100%)

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USER NAME = BARTONRW	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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SCALE: SHEET 11 OF 13 SHEETS STA. TO STA.

REV. 10/20/20 REV. 10/7/20 REV. 9/15/20

SCHEDULE OF QUANTITIES

30300112 AGGREGATE SUBGRADE IMPROVEMENT 12"				REMARKS
SQ YD	LOCATION	OFFSET		
<u>BRIDGE DECK</u>				
134	11+80 - 17+14			MEDIAN
474	19+28 - 20+28	LT		WB - WEST OF BRIDGE
474	19+28 - 20+28	RT		EB - WEST OF BRIDGE
71	62+81 - 62+96	LT		WB - EAST OF BRIDGE
71	62+81 - 62+96	RT		EB - EAST OF BRIDGE
<u>RESURFACING</u>				
380	62+96 - 65+50			AS NEEDED FOR PATCHING
500	62+91 - 138+49			AS NEEDED FOR PATCHING
2104	TOTAL			

40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT				REMARKS
SQ YD	LOCATION	OFFSET		
131	63+26 - 63+56	LT		WB - EAST OF BRIDGE
131	63+26 - 63+56	RT		EB - EAST OF BRIDGE
262	TOTAL			

40600990 TEMPORARY RAMP				REMARKS
SQ YD	LOCATION	OFFSET		
261	62+96 - 63+56	LT		WB - EAST OF BRIDGE
261	62+96 - 63+56	RT		EB - EAST OF BRIDGE
522	TOTAL			

42000060 WELDED WIRE REINFORCEMENT				REMARKS
SQ YD	LOCATION			
<u>RAMPS</u>				
46	1-280 WB TO IL 92 NB			AS NEEDED FOR PATCHING
46	7+05 - 25+26			AS NEEDED FOR PATCHING
46	IL 92 NB TO 1-280 WB			AS NEEDED FOR PATCHING
46	4+63 - 17+60			AS NEEDED FOR PATCHING
46	IL 92 NB TO 1-280 WB			AS NEEDED FOR PATCHING
46	6+52 - 19+98			AS NEEDED FOR PATCHING
46	1-280 WB TO IL 92 SB			AS NEEDED FOR PATCHING
46	5+54 - 13+41			AS NEEDED FOR PATCHING
46	1-280 EB TO IL 92 SB			AS NEEDED FOR PATCHING
46	6+56 - 24+25			AS NEEDED FOR PATCHING
46	IL 92 SB TO 1-280 EB			AS NEEDED FOR PATCHING
46	5+09 - 18+50			AS NEEDED FOR PATCHING
46	IL 92 SB TO 1-280 EB			AS NEEDED FOR PATCHING
46	6+69 - 21+81			AS NEEDED FOR PATCHING
46	1-280 EB TO IL 92 NB			AS NEEDED FOR PATCHING
46	5+17 - 13+77			AS NEEDED FOR PATCHING
368	TOTAL			

42000080 PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB				REMARKS
SQ YD	LOCATION	OFFSET		
66	20+13 - 20+28	LT		WB - WEST OF BRIDGE
66	20+13 - 20+28	RT		EB - WEST OF BRIDGE
66	62+81 - 62+96	LT		WB - EAST OF BRIDGE
66	62+81 - 62+96	RT		EB - EAST OF BRIDGE
264	TOTAL			

42000521 PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)				REMARKS
SQ YD	LOCATION	OFFSET		
373	19+28 - 20+13	LT		WB - WEST OF BRIDGE
373	19+28 - 20+13	RT		EB - WEST OF BRIDGE
746	TOTAL			

44000100 PAVEMENT REMOVAL				REMARKS
SQ YD	LOCATION	OFFSET		
483	19+28 - 20+38	LT		WB - WEST OF BRIDGE
513	19+28 - 20+38	RT		EB - WEST OF BRIDGE
115	62+71 - 62+96	LT		WB - EAST OF BRIDGE
114	62+71 - 62+96	RT		EB - EAST OF BRIDGE
1225	TOTAL			

44001980 CONCRETE BARRIER REMOVAL				REMARKS
FOOT	LOCATION	OFFSET		
<u>BRIDGE DECK</u>				
534	11+80 - 17+14			MEDIAN
130	19+28 - 20+58			MEDIAN
45	62+51 - 62+96			MEDIAN
<u>RESURFACING</u>				
929	62+91 - 72+20			MEDIAN
1638	TOTAL			

44200583 CLASS A PATCHES, TYPE IV, 12 INCH				REMARKS
SQ YD	LOCATION	OFFSET		
677	1-280 EB			AS NEEDED FOR PATCHING
677	62+96 - 65+50			AS NEEDED FOR PATCHING
677	1-280 WB			AS NEEDED FOR PATCHING
677	62+96 - 65+50			AS NEEDED FOR PATCHING
1355	TOTAL			

44200620 CLASS A PATCHES, TYPE II, 14 INCH				REMARKS
SQ YD	LOCATION	OFFSET		
4420	62+91 - 138+49			AS NEEDED FOR PATCHING
4420	TOTAL			#5 BARS @ 6 1/2 SPACING

44200624 CLASS A PATCHES, TYPE III, 14 INCH				REMARKS
SQ YD	LOCATION	OFFSET		
310	62+91 - 138+49			AS NEEDED FOR PATCHING
310	TOTAL			#5 BARS @ 6 1/2 SPACING

44200628 CLASS A PATCHES, TYPE IV, 14 INCH				REMARKS
SQ YD	LOCATION	OFFSET		
1566	62+91 - 138+49			AS NEEDED FOR PATCHING
1566	TOTAL			#5 BARS @ 6 1/2 SPACING

44200944 CLASS B PATCHES, TYPE IV, 8 INCH				REMARKS
SQ YD	LOCATION	OFFSET		
452	1-280 EB			AS NEEDED FOR PATCHING
452	62+96 - 65+50			AS NEEDED FOR PATCHING
452	1-280 WB			AS NEEDED FOR PATCHING
452	62+96 - 65+50			AS NEEDED FOR PATCHING
904	TOTAL			

44200978 CLASS B PATCHES, TYPE I, 11 INCH				REMARKS
SQ YD	LOCATION	OFFSET		
5	62+91 - 138+49			AS NEEDED FOR PATCHING
5	TOTAL			

44200982 CLASS B PATCHES, TYPE II, 11 INCH				REMARKS
SQ YD	LOCATION	OFFSET		
<u>RAMPS</u>				
70	1-280 WB TO IL 92 NB			AS NEEDED FOR PATCHING
70	7+05 - 25+26			AS NEEDED FOR PATCHING
70	IL 92 NB TO 1-280 WB			AS NEEDED FOR PATCHING
70	4+63 - 17+60			AS NEEDED FOR PATCHING

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 2 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B)D&W(81-1-1.81-1-2)RS-1	ROCK ISLAND	306	20
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

11 REVISED ENTIRE SHEET 10/20/20

SCHEDULE OF QUANTITIES

70300220 TEMPORARY PAVEMENT MARKING - LINE 4"			
FOOT	LOCATION	OFFSET	REMARKS
1159	488+41	- 500+00	EB - PRE-STAGE - SOLID YELLOW
1159	488+41	- 500+00	EB - PRE-STAGE - SOLID WHITE
25	488+41	- 489+41	EB - PRE-STAGE - SKIP DASH WHITE
6505	11+13	- 76+18	EB - PRE-STAGE - SOLID YELLOW
6505	11+13	- 76+18	EB - PRE-STAGE - SOLID WHITE
1159	488+41	- 500+00	EB - STAGE 1 - SOLID YELLOW
1159	488+41	- 500+00	EB - STAGE 1 - SOLID WHITE
25	488+41	- 489+41	EB - STAGE 1 - SKIP DASH WHITE
34	499+66	- 500+00	WB - STAGE 1 - SOLID YELLOW
34	499+66	- 500+00	WB - STAGE 1 - SOLID WHITE
6505	11+13	- 76+18	EB - STAGE 1 - SOLID YELLOW
6587	11+13	- 77+00	EB - STAGE 1 - SOLID WHITE
21	76+18	- 77+00	EB - STAGE 1 - SKIP DASH WHITE
9152	11+13	- 102+65	WB - STAGE 1 - SOLID YELLOW
8970	11+13	- 100+83	WB - STAGE 1 - SOLID WHITE
146	99+38	- 100+84	WB - STAGE 1 - SOLID WHITE
327	99+38	- 102+65	WB - STAGE 1 - SOLID WHITE
302	90+58	- 102+65	WB - STAGE 1 - SKIP DASH WHITE
160	93+00	- 99+38	WB - STAGE 1 - SKIP DASH WHITE
1159	488+41	- 500+00	EB-WINTER SHUT DOWN - SOLID YELLOW
6587	11+13	- 77+00	EB-WINTER SHUT DOWN - SOLID YELLOW
290	488+41	- 500+00	EB WINTER SHUT DOWN - SKIP DASH WHITE
1647	11+13	- 77+00	EB WINTER SHUT DOWN - SKIP DASH WHITE
1159	488+41	- 500+00	EB WINTER SHUT DOWN - SOLID WHITE
6587	11+13	- 77+00	EB WINTER SHUT DOWN - SOLID WHITE
34	499+66	- 500+00	WB-WINTER SHUT DOWN - SOLID YELLOW
9152	11+13	- 102+65	WB-WINTER SHUT DOWN - SOLID YELLOW
9	499+66	- 500+00	WB WINTER SHUT DOWN - SKIP DASH WHITE
2288	11+13	- 102+65	WB WINTER SHUT DOWN - SKIP DASH WHITE
34	499+66	- 500+00	WB WINTER SHUT DOWN - SOLID WHITE
9152	11+13	- 102+65	WB WINTER SHUT DOWN - SOLID WHITE
3379	466+21	- 500+00	EB - STAGE 2 - SOLID YELLOW
1500	466+21	- 481+21	EB - STAGE 2 - SOLID WHITE
793	473+28	- 481+21	EB - STAGE 2 - SOLID YELLOW
2672	473+28	- 500+00	EB - STAGE 2 - SOLID WHITE
9	499+91	- 500+00	WB - STAGE 2 - SOLID YELLOW
42	499+58	- 500+00	WB - STAGE 2 - SOLID WHITE
7359	11+13	- 84+72	WB - STAGE 2 - SOLID YELLOW
7359	11+13	- 84+72	WB - STAGE 2 - SOLID WHITE
25	83+72	- 84+72	WB - STAGE 2 - SKIP DASH WHITE

TEMPORARY PAVEMENT MARKING - LINE 4" (CONTINUE)			
FOOT	LOCATION	OFFSET	REMARKS
6505	11+13	- 76+18	EB - STAGE 2 - SOLID YELLOW
6587	11+13	- 77+00	EB - STAGE 2 - SOLID WHITE
3380	466+20	- 500+00	EB-WINTER SHUT DOWN - SOLID YELLOW
6587	11+13	- 77+00	EB-WINTER SHUT DOWN - SOLID YELLOW
845	466+20	- 500+00	EB WINTER SHUT DOWN - SKIP DASH WHITE
1647	11+13	- 77+00	EB WINTER SHUT DOWN - SKIP DASH WHITE
3380	466+20	- 500+00	EB WINTER SHUT DOWN - SOLID WHITE
6587	11+13	- 77+00	EB WINTER SHUT DOWN - SOLID WHITE
42	499+58	- 500+00	WB-WINTER SHUT DOWN - SOLID YELLOW
7359	11+13	- 84+72	WB-WINTER SHUT DOWN - SOLID YELLOW
11	499+58	- 500+00	WB WINTER SHUT DOWN - SKIP DASH WHITE
1840	11+13	- 84+72	WB WINTER SHUT DOWN - SKIP DASH WHITE
42	499+58	- 500+00	WB WINTER SHUT DOWN - SOLID WHITE
7359	11+13	- 84+72	WB WINTER SHUT DOWN - SOLID WHITE
20000			ADDITIONAL
183340			TOTAL

70400100 TEMPORARY CONCRETE BARRIER			
FOOT	LOCATION	OFFSET	REMARKS
650	11+13	- 17+63	PRE-STAGE - EB INSIDE EDGE
625	63+87	- 69+95	PRE-STAGE - EB INSIDE EDGE
1275			SUBTOTAL
50	499+66	- 500+00	STAGE 1 - MEDIAN
5875	11+13	- 69+85	STAGE 1 - MEDIAN
700	64+00	- 71+00	STAGE 1 - WB OUTSIDE EDGE
-1275			AVAILABLE FROM PREVIOUS STAGE (RELOCATE WALL)
5350			SUBTOTAL

TEMPORARY CONCRETE BARRIER (CONTINUE)			
FOOT	LOCATION	OFFSET	REMARKS
650	11+25	- 17+75	WINTER SHUT DOWN - MEDIAN (RELOCATE WALL)
550	64+50	- 70+00	WINTER SHUT DOWN - MEDIAN (RELOCATE WALL)
1200			SUBTOTAL (RELOCATE)
5900	11+13	- 69+90	STAGE 2 - MEDIAN
575	12+00	- 17+64	STAGE 2 - EB OUTSIDE EDGE
-1200			AVAILABLE FROM PREVIOUS STAGE (RELOCATE WALL)
5275			SUBTOTAL
650	11+25	- 17+75	WINTER SHUT DOWN - MEDIAN (RELOCATE WALL)
550	64+50	- 70+00	WINTER SHUT DOWN - MEDIAN (RELOCATE WALL)
1200			SUBTOTAL (RELOCATE)
2000			ADDITIONAL
13900			TOTAL

70400200 RELOCATE TEMPORARY CONCRETE BARRIER			
FOOT	LOCATION	OFFSET	REMARKS
1275			STAGE 1 (SEE TEMPORARY CONCRETE BARRIER)
1200			WINTER SHUT DOWN
1200			STAGE 2 (SEE TEMPORARY CONCRETE BARRIER)
1200			WINTER SHUT DOWN
1000			ADDITIONAL
5875			TOTAL

70600251 IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3			
EACH	LOCATION	OFFSET	REMARKS
1	11+14	RT	PRE-STAGE
1	63+87	RT	PRE-STAGE
1	12+01	RT	STAGE 2
3			TOTAL

70600280 IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 3			
EACH	LOCATION	OFFSET	REMARKS
1	11+79	MEDIAN	PRE-STAGE
1	64+90	MEDIAN	PRE-STAGE
2			TOTAL

70600352 IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3			
EACH	LOCATION	OFFSET	REMARKS
1	71+00	LT	STAGE 1
1			TOTAL

70600370 IMPACT ATTENUATORS, RELOCATE (SEVERE USE, NARROW), TEST LEVEL 3			
EACH	LOCATION	OFFSET	REMARKS
1			TOTAL

72501000 TERMINAL MARKER - DIRECT APPLIED			
EACH	LOCATION	OFFSET	REMARKS
1	94+99	RT	TBT TYPE 1
1			TOTAL

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"			
FOOT	LOCATION	OFFSET	REMARKS
			BRIDGE DECK
100	62+81	- 63+81	LT WB - SOLID WHITE
100	62+81	- 63+81	RT EB - SOLID WHITE
100	62+81	- 63+81	LT WB - SOLID YELLOW
100	62+81	- 63+81	RT EB - SOLID YELLOW

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES	
SCALE:	SHEET 6 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B)D&S(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	24
CONTRACT NO. 64F78			ILLINOIS FED. AID PROJECT	

1 REVISD ENTIRE SHEET 10/20/20

SCHEDULE OF QUANTITIES

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (CONTINUE)			
FOOT	LOCATION	OFFSET	REMARKS
<u>RESURFACING</u>			
I-280 WB			
7558	62+91 - 138+49	LT	1 WHITE SOLID OUTSIDE EDGE LINE
7558	62+91 - 138+49	LT	1 YELLOW SOLID INSIDE EDGE LINE
I-280 EB			
7558	62+91 - 138+49	RT	1 WHITE SOLID OUTSIDE EDGE LINE
7558	62+91 - 138+49	RT	1 YELLOW SOLID INSIDE EDGE LINE
I-280 WB TO IL 92 NB			
1821	7+05 - 25+26	RT	1 WHITE SOLID OUTSIDE EDGE LINE
1821	7+05 - 25+26	LT	1 YELLOW SOLID INSIDE EDGE LINE
IL 92 NB TO I-280 WB			
1297	4+63 - 17+60	LT	1 WHITE SOLID OUTSIDE EDGE LINE
1297	4+63 - 17+60	LT	1 YELLOW SOLID INSIDE EDGE LINE
IL 92 SB TO I-280 WB			
1346	6+52 - 19+98	LT	1 WHITE SOLID OUTSIDE EDGE LINE
1346	6+52 - 19+98	LT	1 YELLOW SOLID INSIDE EDGE LINE
I-280 WB TO IL 92 SB			
787	5+54 - 13+41	LT	1 WHITE SOLID OUTSIDE EDGE LINE
787	5+54 - 13+41	LT	1 YELLOW SOLID INSIDE EDGE LINE
I-280 EB TO IL 92 SB			
1769	6+56 - 24+25	LT	1 WHITE SOLID OUTSIDE EDGE LINE
1769	6+56 - 24+25	LT	1 YELLOW SOLID INSIDE EDGE LINE
IL 92 SB TO I-280 EB			
1341	5+09 - 18+50	RT	1 WHITE SOLID OUTSIDE EDGE LINE
1341	5+09 - 18+50	RT	1 YELLOW SOLID INSIDE EDGE LINE
IL 92 NB TO I-280 EB			
1512	6+69 - 21+81	LT	1 WHITE SOLID OUTSIDE EDGE LINE
1512	6+69 - 21+81	LT	1 YELLOW SOLID INSIDE EDGE LINE
I-280 EB TO IL 92 NB			
860	5+17 - 13+77	LT	1 WHITE SOLID OUTSIDE EDGE LINE
860	5+17 - 13+77	LT	1 YELLOW SOLID INSIDE EDGE LINE
52098	TOTAL		

THERMOPLASTIC PAVEMENT MARKING - LINE 6"			
FOOT	LOCATION	OFFSET	REMARKS
<u>BRIDGE DECK</u>			
25	62+81 - 63+81	LT	WB - SKIP DASH - WHITE
25	62+81 - 63+81	RT	EB - SKIP DASH - WHITE
<u>RESURFACING</u>			
I-280 WB			
1890	62+91 - 138+49		WHITE CENTERLINE SKIP DASH
112	110+49 - 114+97		WHITE SKIP DASH
I-280 EB			
1890	62+91 - 138+49		WHITE CENTERLINE SKIP DASH
112	113+91 - 118+37		WHITE SKIP DASH
4053	TOTAL		

THERMOPLASTIC PAVEMENT MARKING - LINE 8"			
FOOT	LOCATION	OFFSET	REMARKS
I-280 WB			
290	100+28 - 101+73		2 WHITE SOLID LINE
290	100+28 - 101+73		2 WHITE SOLID LINE
246	108+45 - 109+68		2 WHITE SOLID LINE
246	108+45 - 109+68		2 WHITE SOLID LINE
81	109+68 - 110+49		1 WHITE SOLID LINE
276	114+97 - 116+35		2 WHITE SOLID LINE
276	114+97 - 116+35		2 WHITE SOLID LINE
808	125+68 - 129+72		2 WHITE SOLID LINE
808	125+68 - 129+72		2 WHITE SOLID LINE
66	97+65 - 100+28		WHITE SKIP DASH
I-280 EB			
738	99+73 - 103+42		2 WHITE SOLID LINE
738	99+73 - 103+42		2 WHITE SOLID LINE
254	112+64 - 113+91		2 WHITE SOLID LINE
254	112+64 - 113+91		2 WHITE SOLID LINE
33	118+37 - 118+70		1 WHITE SOLID LINE
270	118+70 - 120+05		2 WHITE SOLID LINE
270	118+70 - 120+05		2 WHITE SOLID LINE
330	127+42 - 129+07		2 WHITE SOLID LINE
330	127+42 - 129+07		2 WHITE SOLID LINE
34	129+07 - 130+42		WHITE SKIP DASH
6638	TOTAL		

THERMOPLASTIC PAVEMENT MARKING - LINE 12"			
FOOT	LOCATION	OFFSET	REMARKS
I-280 EB			
174	99+73 - 103+42		WHITE GORE DIAGONAL STRIPES
I-280 WB			
208	125+68 - 129+72		WHITE GORE DIAGONAL STRIPES
383	TOTAL		

POLYUREA PAVEMENT MARKING TYPE II - LINE 4"			
FOOT	LOCATION	OFFSET	REMARKS
4353	19+28 - 62+81	LT	WB - SOLID WHITE
4353	19+28 - 62+81	RT	EB - SOLID WHITE
4353	19+28 - 62+81	LT	WB - SOLID YELLOW
4353	19+28 - 62+81	RT	EB - SOLID YELLOW
17412	TOTAL		

POLYUREA PAVEMENT MARKING TYPE II - LINE 6"			
FOOT	LOCATION	OFFSET	REMARKS
1089	19+28 - 62+81	LT	WB - SKIP DASH - WHITE
1089	19+28 - 62+81	RT	EB - SKIP DASH - WHITE
2178	TOTAL		

RAISED REFLECTIVE PAVEMENT MARKER			
EACH	LOCATION	OFFSET	REMARKS
<u>BRIDGE DECK</u>			
3	19+28 - 20+28	LT	WB 2 per 80'
3	19+28 - 20+28	RT	EB 2 per 80'
3	62+81 - 63+81	LT	WB 2 per 80'
3	62+81 - 63+81	RT	EB 2 per 80'

RESURFACING			
	LOCATION	OFFSET	REMARKS
I-280 WB			
192	62+91 - 138+49		ONE-WAY CRYSTAL WHITE CENTER LINE
57	91+47 - 102+53		ONE-WAY CRYSTAL OUTSIDE SHOULDER
8	97+65 - 100+28		ONE-WAY CRYSTAL MARKER
10	100+28 - 101+73		ONE-WAY CRYSTAL FOR GORE
7	108+45 - 109+63		ONE-WAY CRYSTAL OUTSIDE SHOULDER
24	125+68 - 129+72		ONE-WAY CRYSTAL FOR GORE
10	114+97 - 116+35		ONE-WAY CRYSTAL FOR GORE
12	114+97 - 117+15		ONE-WAY CRYSTAL OUTSIDE SHOULDER
14	109+68 - 114+86		ONE-WAY CRYSTAL MARKER
8	108+45 - 109+63		ONE-WAY CRYSTAL FOR GORE
37	125+68 - 132+81		ONE-WAY CRYSTAL OUTSIDE SHOULDER
I-280 EB			
192	62+91 - 138+49		ONE-WAY CRYSTAL WHITE CENTER LINE
34	96+82 - 103+42		ONE-WAY CRYSTAL OUTSIDE SHOULDER
22	99+73 - 103+42		ONE-WAY CRYSTAL FOR GORE
12	111+84 - 113+85		ONE-WAY CRYSTAL OUTSIDE SHOULDER
10	112+64 - 113+85		ONE-WAY CRYSTAL FOR GORE
13	113+91 - 118+70		ONE-WAY CRYSTAL MARKER
8	118+86 - 120+05		ONE-WAY CRYSTAL FOR GORE
8	118+79 - 120+05		ONE-WAY CRYSTAL OUTSIDE SHOULDER
61	126+61 - 138+49		ONE-WAY CRYSTAL OUTSIDE SHOULDER
12	127+42 - 129+07		ONE-WAY CRYSTAL FOR GORE
5	129+07 - 130+42		ONE-WAY CRYSTAL MARKER
I-280 WB TO IL 92 NB			
18	7+05 - 13+49		ONE-WAY AMBER MARKER
5	24+46 - 25+26		ONE-WAY CRYSTAL OUTSIDE SHOULDER
IL 92 NB TO I-280 WB			
32	4+63 - 16+80		ONE-WAY AMBER MARKER
I-280 WB TO IL 92 SB			
19	5+54 - 12+61		ONE-WAY AMBER MARKER
5	12+61 - 13+41		ONE-WAY CRYSTAL OUTSIDE SHOULDER
I-280 EB TO IL 92 SB			
40	6+56 - 13+14		ONE-WAY CRYSTAL MARKER
5	23+45 - 24+25		ONE-WAY CRYSTAL OUTSIDE SHOULDER

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PLOT DATE = Oct-09-2020 09:35:01 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 7 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B)D&(81-1-1.81-1-2)RS-1	ROCK ISLAND	306	25
CONTRACT NO. 64F78				

SCHEDULE OF QUANTITIES

EACH	LOCATION	OFFSET	REMARKS
RAISED REFLECTIVE PAVEMENT MARKER (CONTINUE)			
33	IL 92 SB TO I-280 EB		ONE-WAY AMBER MARKER
	5+09 - 17+70		
	I-280 EB TO IL 92 NB		
21	5+16 - 12+97		ONE-WAY AMBER MARKER
5	12+97 - 13+77		ONE-WAY CRYSTAL OUTSIDE SHOULDER
	IL 92 NB TO I-280 EB		
73	6+69 - 21+01		ONE-WAY CRYSTAL OUTSIDE SHOULDER
	IL 92 SB TO I-280 WB		
65	6+52 - 19+18		ONE-WAY CRYSTAL OUTSIDE SHOULDER
1089	TOTAL		

X0325201	LOCATION	OFFSET	REMARKS
SHOULDER RUMBLE STRIP REMOVAL			
	11+53 - 19+53		WB SHOULDER
	12+14 - 19+53		EB SHOULDER
	62+51 - 69+72		WB SHOULDER
	62+51 - 77+00		EB SHOULDER
2521	TOTAL		

EACH	LOCATION	OFFSET	REMARKS
TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER			
48	11+80 - 16+59		STAGE 1 - WB 2 per 20'
49	12+34 - 17+16		STAGE 2 - EB 1 per 20'
49	65+00 - 69+84		STAGE 1 - WB 2 per 20'
59	65+00 - 70+81		STAGE 2 - EB 2 per 20'
205	TOTAL		

X0327980	LOCATION	OFFSET	REMARKS
PAVEMENT MARKING REMOVAL - WATER BLASTING			
422	466+20 - 478+85		EB - SOLID WHITE
71	478+85 - 487+37		EB - SKIP DASH WHITE
421	487+37 - 500+00		EB - SOLID WHITE
282	466+20 - 500+00		EB - SKIP DASH WHITE
1127	466+20 - 500+00		EB - SOLID YELLOW
2196	11+13 - 77+00		EB - SOLID WHITE
549	11+13 - 77+00		EB - SKIP DASH WHITE
2196	11+13 - 77+00		EB - SOLID YELLOW
12	499+66 - 500+00		WB - SOLID WHITE
3	499+66 - 500+00		WB - SKIP DASH WHITE
12	499+66 - 500+00		WB - SOLID YELLOW
305	11+13 - 20+28		WB - SOLID WHITE
974	62+81 - 92+03		WB - SOLID WHITE
61	92+03 - 99+26		WB - DOTTED WHITE
113	99+26 - 102+65		WB - SOLID WHITE
77	11+13 - 20+28		WB - SKIP DASH WHITE
332	62+81 - 102+65		WB - SKIP DASH WHITE
305	11+13 - 20+28		WB - SOLID YELLOW
1328	62+81 - 102+65		WB - SOLID YELLOW
1500	TOTAL		ADDITIONAL
12286	TOTAL		

EACH	LOCATION	OFFSET	REMARKS
GUARDRAIL REFLECTORS, TYPE A			
	I-280 WB		
15	62+75 - 94+99	LT	OUTSIDE
13	62+91 - 89+70	RT	INSIDE
	I-280 EB		
14	62+75 - 94+25	RT	OUTSIDE
15	62+91 - 96+18		INSIDE
4	100+45.5 - 102+20.5		MEDIAN
4	127+33 - 128+83		MEDIAN
65	TOTAL		

X4400110	LOCATION	OFFSET	REMARKS
TEMPORARY PAVEMENT REMOVAL			
155	11+80 - 17+14		MEDIAN - TEMP PAVEMENT
107	64+90 - 69+60		MEDIAN - TEMP PAVEMENT
262	TOTAL		

EACH	LOCATION	OFFSET	REMARKS
BARRIER WALL REFLECTORS, TYPE B			
30	62+91 - 96+18		MEDIAN BARRIER WALL
30	TOTAL		

X5420636	LOCATION	OFFSET	REMARKS
PIPE CULVERTS TO BE CLEANED, 36"			
	I-280 WB		
94	120+49	92.61 LT	
	IL 92 NB TO I-280 WB		
73	15+83	28.90 RT / 43.54 54 LT	
167	TOTAL		

EACH	LOCATION	OFFSET	REMARKS
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL			
	I-280 WB		
44	62+91 - 138+49		
	I-280 EB		
44	62+51 - 138+40		
	I-280 WB TO IL 92 NB		
51	7+05 - 25+26		
	IL 92 NB TO I-280 WB		
30	5+54 - 13+41		
	IL 92 SB TO I-280 WB		
30	6+52 - 19+18		
	I-280 EB TO IL 92 SB		
53	6+56 - 24+25		
	IL 92 SB TO I-280 EB		
37	5+09 - 17+70		
	I-280 EB TO IL 92 NB		
39	5+16 - 13+77		
328	TOTAL		

X7030005	LOCATION	OFFSET	REMARKS
TEMPORARY PAVEMENT MARKING REMOVAL			
387	488+41 - 500+00		EB - PRE-STAGE - SOLID YELLOW
387	488+41 - 500+00		EB - PRE-STAGE - SOLID WHITE
9	488+41 - 489+41		EB - PRE-STAGE - SKIP DASH WHITE
2169	11+13 - 76+18		EB - PRE-STAGE - SOLID YELLOW
2169	11+13 - 76+18		EB - PRE-STAGE - SOLID WHITE
387	488+41 - 500+00		EB - STAGE 1 - SOLID YELLOW
387	488+41 - 500+00		EB - STAGE 1 - SOLID WHITE
9	488+41 - 489+41		EB - STAGE 1 - SKIP DASH WHITE
12	499+66 - 500+00		WB - STAGE 1 - SOLID YELLOW
12	499+66 - 500+00		WB - STAGE 1 - SOLID WHITE
2169	11+13 - 76+18		EB - STAGE 1 - SOLID YELLOW
2196	11+13 - 77+00		EB - STAGE 1 - SOLID WHITE
7	76+18 - 77+00		EB - STAGE 1 - SKIP DASH WHITE
3051	11+13 - 102+65		WB - STAGE 1 - SOLID YELLOW
2990	11+13 - 100+83		WB - STAGE 1 - SOLID WHITE
49	99+38 - 100+84		WB - STAGE 1 - SOLID WHITE
109	99+38 - 102+65		WB - STAGE 1 - SOLID WHITE
101	90+58 - 102+65		WB - STAGE 1 - SKIP DASH WHITE
54	93+00 - 99+38		WB - STAGE 1 - SKIP DASH WHITE
387	488+41 - 500+00		EB-WINTER SHUT DOWN - SOLID YELLOW
2196	11+13 - 77+00		EB-WINTER SHUT DOWN - SOLID YELLOW

X0320157	LOCATION	OFFSET	REMARKS
CLEANING UNDERDRAIN OUTLETS			
52	62+75 - 138+49		AS NEEDED
52	TOTAL		

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PLOT DATE = Oct-09-2020 09:36:01 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 8 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	26
CONTRACT NO. 64F78			ILLINOIS FED. AID PROJECT	

11 REVISED ENTIRE SHEET 10/20/20

SCHEDULE OF QUANTITIES

Z0028415		<u>GEOTECHNICAL REINFORCEMENT</u>			
<u>SQ_YD</u>	<u>LOCATION</u>	<u>OFFSET</u>		<u>REMARKS</u>	
228	62+91 - 138+49			AS NEEDED FOR PATCHING	
	<u>RAMPS</u>				
	I-280 WB TO IL 92 NB				
25	7+05 - 25+26			AS NEEDED FOR PATCHING	
	IL 92 NB TO I-280 WB				
25	4+63 - 17+60			AS NEEDED FOR PATCHING	
	IL 92 NB TO I-280 WB				
25	6+52 - 19+98			AS NEEDED FOR PATCHING	
	I-280 WB TO IL 92 SB				
25	5+54 - 13+41			AS NEEDED FOR PATCHING	
	I-280 EB TO IL 92 SB				
25	6+56 - 24+25			AS NEEDED FOR PATCHING	
	IL 92 SB TO I-280 EB				
25	5+09 - 18+50			AS NEEDED FOR PATCHING	
	IL 92 SB TO I-280 EB				
25	6+69 - 21+81			AS NEEDED FOR PATCHING	
	I-280 EB TO IL 92 NB				
25	5+17 - 13+77			AS NEEDED FOR PATCHING	
428	TOTAL				

Z0062456		<u>TEMPORARY PAVEMENT</u>			
<u>SQ_YD</u>	<u>LOCATION</u>	<u>OFFSET</u>		<u>REMARKS</u>	
155	11+80 - 17+14			MEDIAN	
107	64+90 - 96+60			MEDIAN	
262	TOTAL				

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USER NAME = viyegbejj	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.2131' / in.	CHECKED -	REVISED -
PLOT DATE = Oct-09-2020 09:39:17 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	28
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

1 REVISED ENTIRE SHEET 10/20/20

LOCATION	REMARKS	LENGTH (FOOT)	MAINLINE		SHOULDER			40604050 HMA SURFACE COURSE, 1L-9.5, MIX "C", N50		40604072	40605005	40605024	44000158	44000159	44000161	44000168		
			WIDTH (FOOT)	AREA (SQ YD)	INSIDE WIDTH (FOOT)	OUTSIDE WIDTH (FOOT)	AREA (SQ YD)	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON	TON
								1.5"	1.5" - 12"	1.5"	2.25" - 9.5"	2.5"						
I-280 EAST BOUND		AGG SHLDR BEGINS																
Sta 62	+ 96.00 - 65 + 50.00	254	24	677.3	5' to 5'-2"	10.0	427.6		97.1		90.7	105.0						
Sta 65	+ 50.00 - 72 + 52.00	702	24	1872.0	4'-10" to 5'-3"	10.0	1179.4		267.8		250.8	290.1						
Sta 72	+ 52.00 - 86 + 07.00	1355	24	3613.3	5'-4" to 6'-11"	10.0	2410.4		540.2		530.2	559.9						
Sta 86	+ 07.00 - 89 + 70.00	363	24	968.0	7'-1" to 8'-7"	10.0	722.0		234.3		230.6	150.0	968.0					
Sta 89	+ 70.00 - 94 + 28.00	458	24	1221.3	4.0	10.0	712.4		157.9		249.9	189.2	1221.3					
Sta 94	+ 28.00 - 96 + 18.00	190	24	506.7	4.0	10.0	295.6		61.5		101.0	78.5	506.7					
Sta 96	+ 18.00 - 96 + 82.00	64	24	170.7	4.0	10.0	99.6		23.4		34.0	26.4	170.7					
Sta 96	+ 82.00 - 99 + 73.00	291	24-40	1034.7	4.0	10.0	452.7		113.6		276.9	158.7	1034.7					
Sta 99	+ 73.00 - 103 + 42.00	369	40-60	2050.0	4.0	10.0	574.0		134.4		303.4	311.0	2050.0					
Sta 103	+ 42.00 - 112 + 30.00	888	24	2368.0	4.0	10.0	1381.3		214.3		316.5	366.9	2368.0					
Sta 112	+ 30.00 - 112 + 64.00	34	24	90.7	4.0	10.0	52.9		8.2		12.6	14.0		52.9		90.7		
Sta 112	+ 64.00 - 113 + 85.00	121	40-60	672.2	4.0	10.0	188.2		29.2		91.8	102.0		188.2		672.2		
Sta 113	+ 85.00 - 116 + 88.00	303	40	1346.7	4.0	10.0	471.3		87.1		205.5	205.3		471.3		1346.7		
Sta 116	+ 88.00 - 118 + 79.00	191	40	848.9	4.0	10.0	297.1		72.5		159.3	129.4	848.9					
Sta 118	+ 79.00 - 120 + 05.00	126	40-68	756.0	4.0	10.0	196.0		45.0		135.2	114.5	756.0					
Sta 120	+ 5.00 - 127 + 41.00	736	24	1962.7	4.0	10.0	1144.9		230.8		291.0	304.1	1962.7					
Sta 127	+ 41.00 - 130 + 42.00	301	40-60	1672.2	4.0	10.0	468.2		80.5		242.0	253.7	1672.2					
Sta 130	+ 42.00 - 137 + 89.00	747	24	1992.0	4.0	10.0	1162.0		225.1		322.2	308.7	1992.0					
Sta 137	+ 89.00 - 138 + 49.00	60	24-40	213.3	4.0	10.0	93.3		15.8		34.5	32.7	213.3					
I-280 WEST BOUND		AGG SHLDR BEGINS																
Sta 62	+ 96.00 - 65 + 50.00	254.0	24	677.3	5' to 5'-3"	10.0	426.7		94.9		88.5	105.0						
Sta 65	+ 50.00 - 72 + 52.00	702.0	24	1872.0	5'-2" to 7'-2"	10.0	1232.4		276.0		244.7	290.1						
Sta 72	+ 52.00 - 86 + 07.00	1355.0	24	3613.3	5' to 7'-5"	10.0	2488.7		573.0		492.5	559.9						
Sta 86	+ 07.00 - 89 + 70.00	363.0	24	968.0	4'-3" to 6'-4"	10.0	599.0		119.1		251.7	150.0	968.0					
Sta 89	+ 70.00 - 91 + 47.00	177.0	24	472.0	4.0	10.0	275.3		56.6		60.6	73.1	472.0					
Sta 91	+ 47.00 - 99 + 26.00	779.0	24-40	2769.8	4.0	10.0	1211.8		312.2		409.6	424.9	2769.8					
Sta 99	+ 26.00 - 101 + 73.00	247.0	40-60	1372.2	4.0	10.0	384.2		104.6		249.1	208.2	1372.2					
Sta 101	+ 73.00 - 108 + 45.00	672.0	24	1792.0	4.0	10.0	1045.3		162.2		226.6	277.7	1792.0					
Sta 108	+ 45.00 - 109 + 63.00	118.0	40-68	708.0	4.0	10.0	183.6		28.5		89.2	107.3	708.0					
Sta 109	+ 63.00 - 112 + 30.00	267.0	40	1186.7	4.0	10.0	415.3		64.4		149.5	180.9	1186.7					
Sta 112	+ 30.00 - 114 + 97.00	267.0	40	1186.7	4.0	10.0	415.3		64.4		155.4	180.9		415.3		1186.7		
Sta 114	+ 97.00 - 116 + 35.00	138.0	40-60	766.7	4.0	10.0	214.7		35.5		112.4	116.3		214.7		766.7		
Sta 116	+ 35.00 - 116 + 88.00	53.0	24	141.3	4.0	10.0	82.4		15.0		21.2	21.9		82.4		141.3		
Sta 116	+ 88.00 - 125 + 68.00	880.0	24	2346.7	4.0	10.0	1368.9		256.0		402.6	363.6	2346.7					
Sta 125	+ 68.00 - 129 + 72.00	404.0	40-64	2334.2	4.0	10.0	628.4		111.2		325.9	353.9	2334.2					
Sta 129	+ 72.00 - 132 + 81.00	309.0	24-40	1098.7	4.0	10.0	480.7		77.8		170.4	168.5	1098.7					
Sta 132	+ 81.00 - 138 + 49.00	568.0	24	1514.7	4.0	10.0	883.6		143.0		265.1	234.7	1514.7					
I-280 TO IL 92 NB																		
Sta 7	+ 05.00 - 25 + 26.00	1821.00	16	3237	4.0	8.0	2428.0	204.0		307.0					5665.3			
IL 92 SB TO I-280 WB																		
Sta 4	+ 63.00 - 17 + 60.00	1297.00	16	2306	4.0	8.0	1729.3	145.3		218.7					4035.1			
I-280 WB TO IL 92 SB																		
Sta 5	+ 16.00 - 13 + 41.00	825.00	16	1467	4.0	8.0	1100.0	92.4		139.1					2566.7			
IL 92 NB TO I-280 WB																		
Sta 6	+ 69.00 - 21 + 81.00	1512.00	16	2688	4.0	8.0	2016.0	169.3		254.9					4704.0			
I-280 EB TO IL 92 SB																		
Sta 6	+ 56.00 - 24 + 25.00	1769.00	16	3145	4.0	8.0	2358.7	198.1		298.2					5503.6			
IL 92 SB TO I-280 EB																		
Sta 5	+ 09.00 - 18 + 50.00	1341.00	16	2384	4.0	8.0	1788.0	150.2		226.1					4172.0			
I-280 EB TO IL 92 NB																		
Sta 5	+ 54.00 - 13 + 77.00	823.00	16	1463	4.0	8.0	1097.3	92.2		138.7					2560.4			
IL 92 NB TO I-280 EB																		
Sta 6	+ 52.00 - 19 + 98.00	1346.00	16	2393	4.0	8.0	1794.7	150.8		226.9					4187.6			
TOTAL								1,202	5,036	1,810	7,503	7,412	32,327	1,425	33,395	4,204		

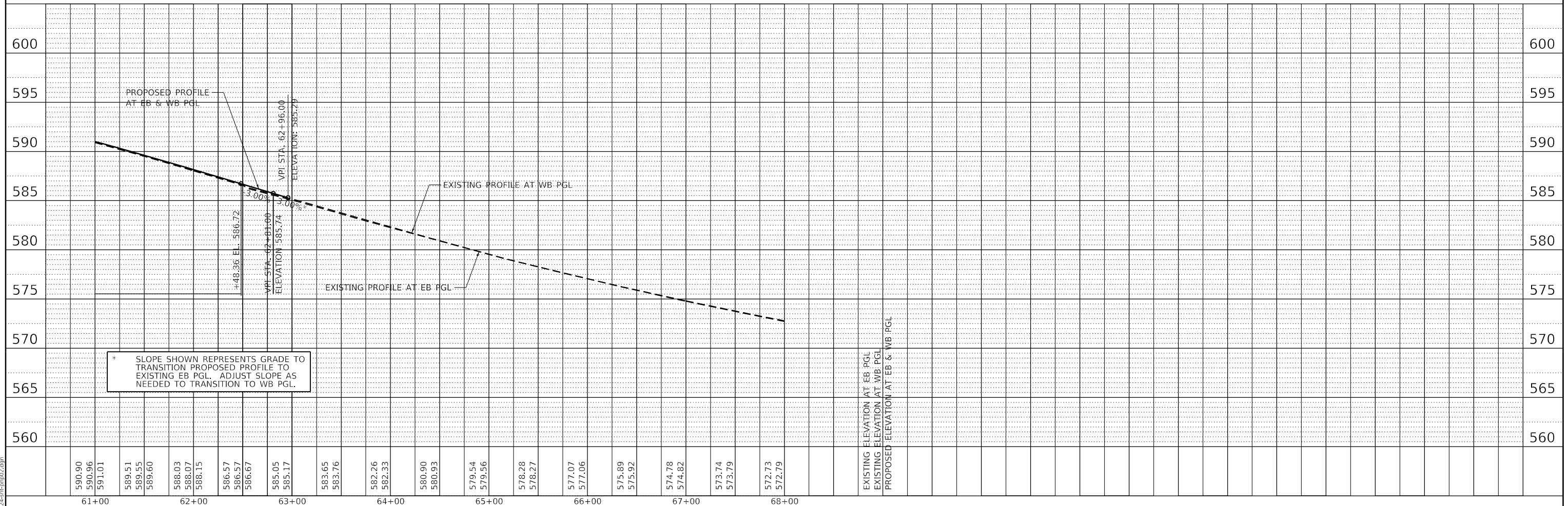
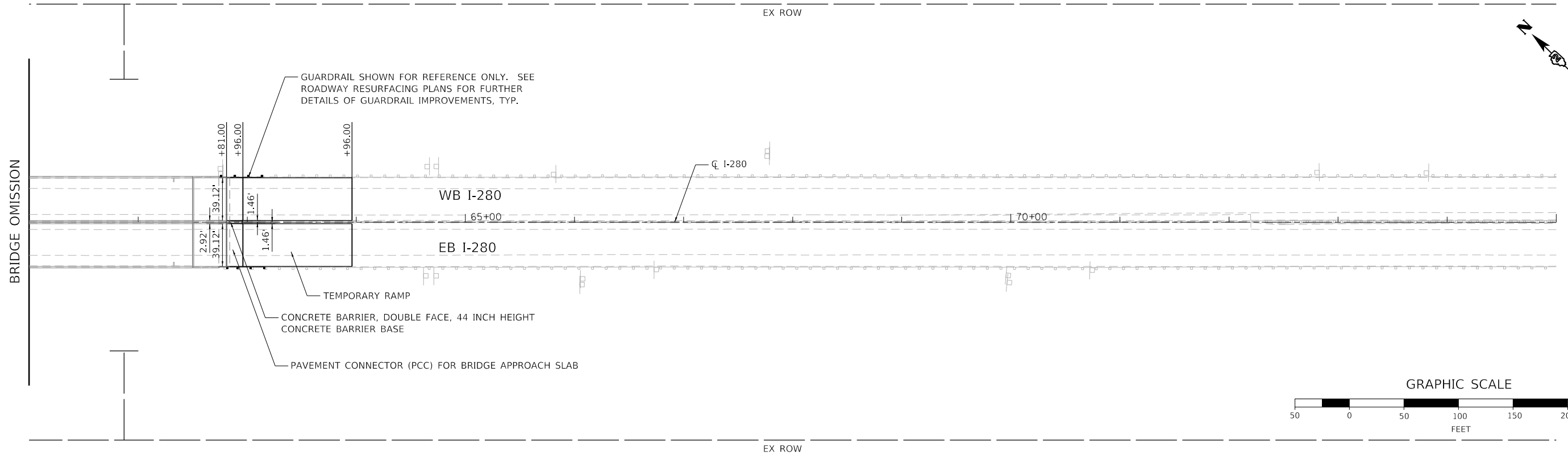
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USER NAME = viyegbeji	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HMA SCHEDULE	F.A.I. RTE. 280	SECTION (81-1B)D&(81-1-1.81-1-2)RS-1	COUNTY ROCK ISLAND	TOTAL SHEETS 306	SHEET NO. 31	
PLOT SCALE = 100.3645' / in.	CHECKED -	REVISED -			SCALE:	SHEET 2	OF 3	SHEETS	STA.	TO STA.
PLOT DATE = Oct-09-2020 10:29:32 AM	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
REVISD ENTIRE SHEET 10/20/20										

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

MODEL: Default
FILE NAME: 98524-int-imp05.dgn



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591.01												
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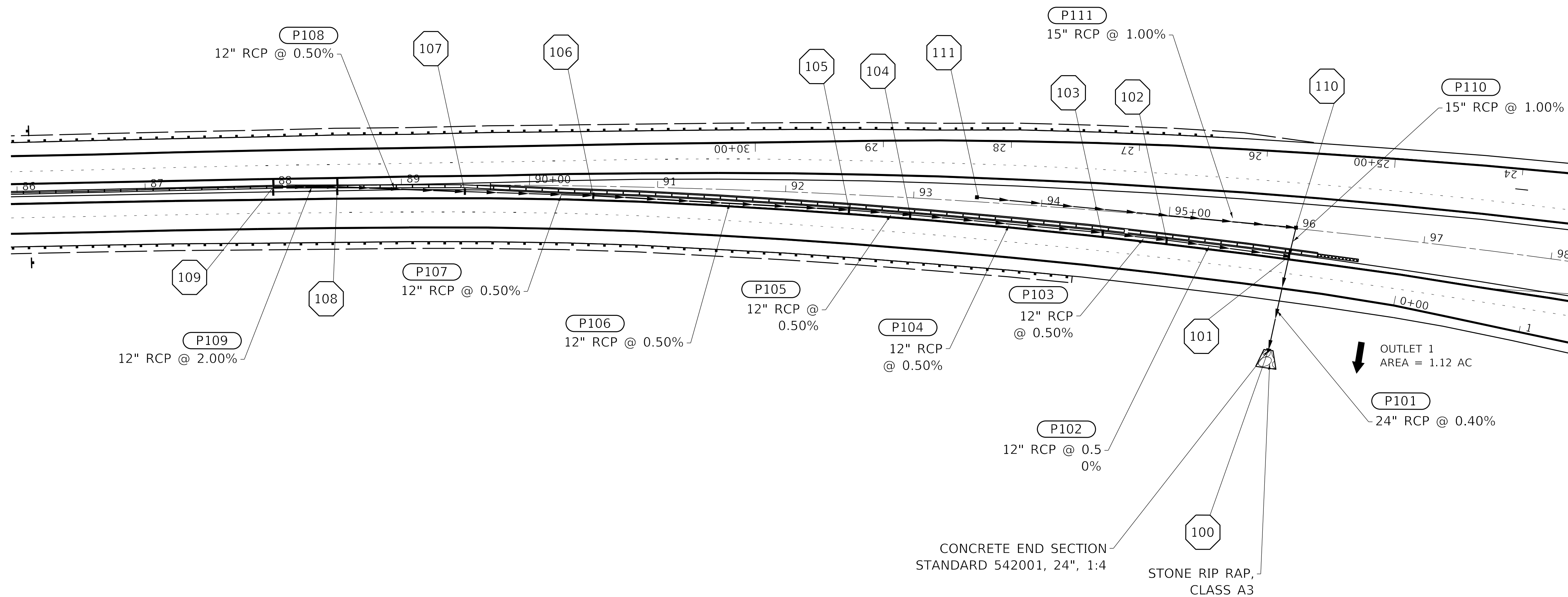
USER NAME = eckay	DESIGNED - RGJ	REVISED -
	DRAWN - SPB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 10/5/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-280 ROADWAY PLAN AND PROFILE			
SCALE: 1" = 50'	SHEET 2	OF 2 SHEETS	STA. TO STA.

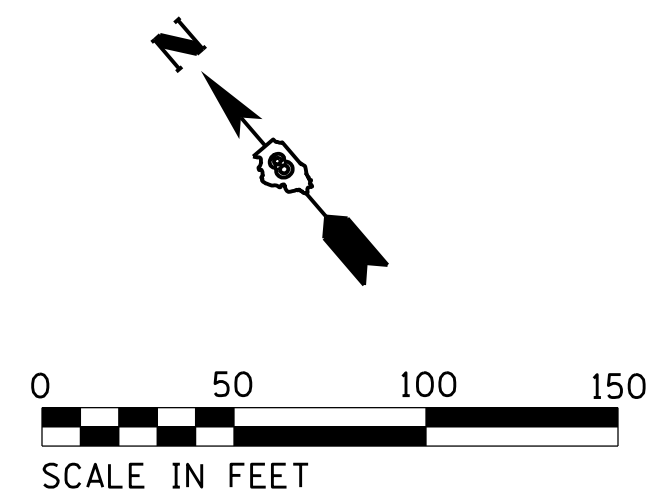
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1.81-1-2)RS-1	ROCK ISLAND	306	49
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

REVISD ENTIRE SHEET 10/20/20



STRUCTURE SCHEDULE							
STR. NO.	STATION	OFFSET	TYPE	F&G	LT RIM EL.	RT RIM EL.	INV.
100	96+00	85.0	RT 24" FES		-	-	555.60
101	96+00	21.1	RT DRAIN STRUCTURES TY 4 WITH 1	TY 20		566.36	555.87
102	95+00	21.4	RT DRAIN STRUCTURES TY 4 WITH 1	TY 20		566.30	556.37
103	94+50	19.8	RT DRAIN STRUCTURES TY 4 WITH 1	TY 20		566.32	556.62
104	93+00	15.3	RT DRAIN STRUCTURES TY 4 WITH 1	TY 20		566.34	557.37
105	92+50	15.2	RT DRAIN STRUCTURES TY 4 WITH 1	TY 20		566.26	557.62
106	90+50	13.7	RT DRAIN STRUCTURES TY 4 WITH 1	TY 20		566.31	558.62
107	89+50	11.5	RT DRAIN STRUCTURES TY 4 WITH 1	TY 20		566.13	559.12
108	88+50	2.5	RT DRAIN STRUCTURES TY 4 WITH 2	TY 20	565.83	566.12	559.62
109	88+00	1.4	RT DRAIN STRUCTURES TY 4 WITH 2	TY 20	565.89	565.97	560.64
110	96+00	2.6	LT INLETS, TYPE B	NEENAH R-4349-D	562.94		556.11
111	93+50	4.5	LT INLETS, TYPE B	NEENAH R-4349-D	564.05		558.50

PIPE SCHEDULE									
PIPE NO.	FROM STRUCTURE	U/S INV.	TO STRUCTURE	D/S INV.	CLASS/TYPE	SIZE (IN.)	LENGTH (L.F.)	SLOPE (%)	TRENCH BACKFILL (C.Y.)
P101	101	555.87	100	555.60	CLASS A, TYPE 2	24	67	0.40	6.9
P102	102	556.37	101	555.87	CLASS A, TYPE 2	12	100	0.50	51.1
P103	103	556.62	102	556.37	CLASS A, TYPE 2	12	50	0.50	27.6
P104	104	557.37	103	556.62	CLASS A, TYPE 2	12	150	0.50	78.0
P105	105	557.62	104	557.37	CLASS A, TYPE 2	12	50	0.50	26.0
P106	106	558.62	105	557.62	CLASS A, TYPE 2	12	200	0.50	104.1
P107	107	559.12	106	558.62	CLASS A, TYPE 2	12	100	0.50	52.0
P108	108	559.62	107	559.12	CLASS A, TYPE 2	12	100	0.50	52.0
P109	109	560.64	108	559.62	CLASS A, TYPE 2	12	50	2.00	26.0
P110	110	556.11	101	555.87	CLASS A, TYPE 2	15	24	1.00	3.2
P111	111	558.50	110	556.11	CLASS A, TYPE 2	15	250	1.00	



MODEL: SPODELNAME
FILE NAME: SFILE



USER NAME = dbuescher
PLOT SCALE = 50.0' / in.
PLOT DATE = 10/14/2020

DESIGNED - MJR
DRAWN - DDB
CHECKED - ERO
DATE - 10/14/2020

REVISED - REVISE 1
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

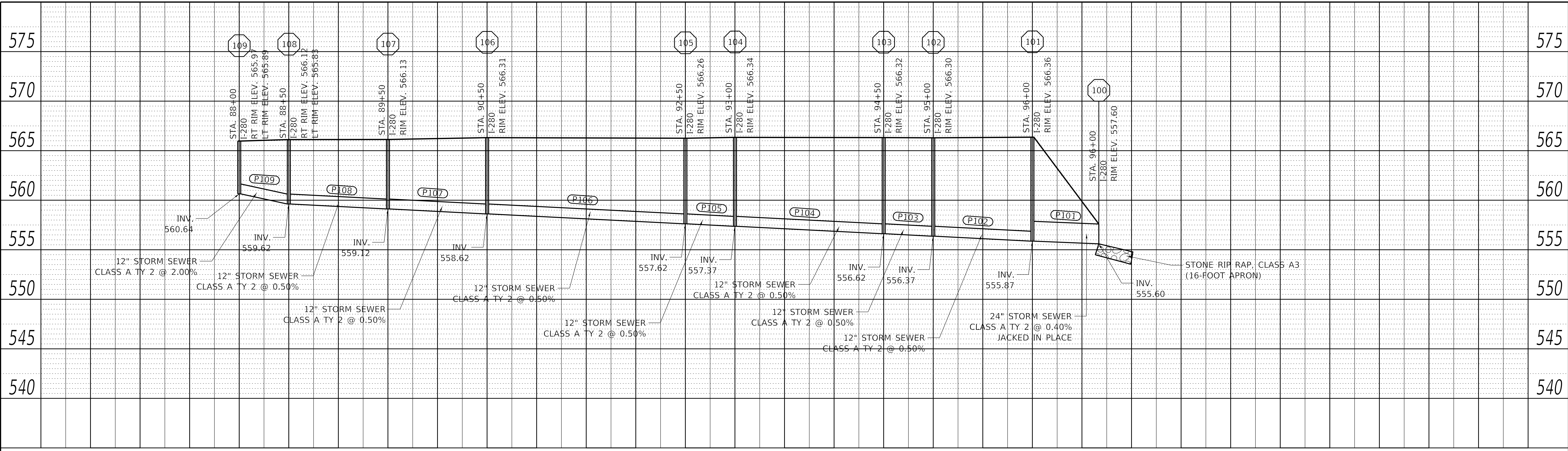
PROPOSED DRAINAGE PLAN
I-280 OVER MISSISSIPPI RIVER

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 86+50 TO STA. 96+50

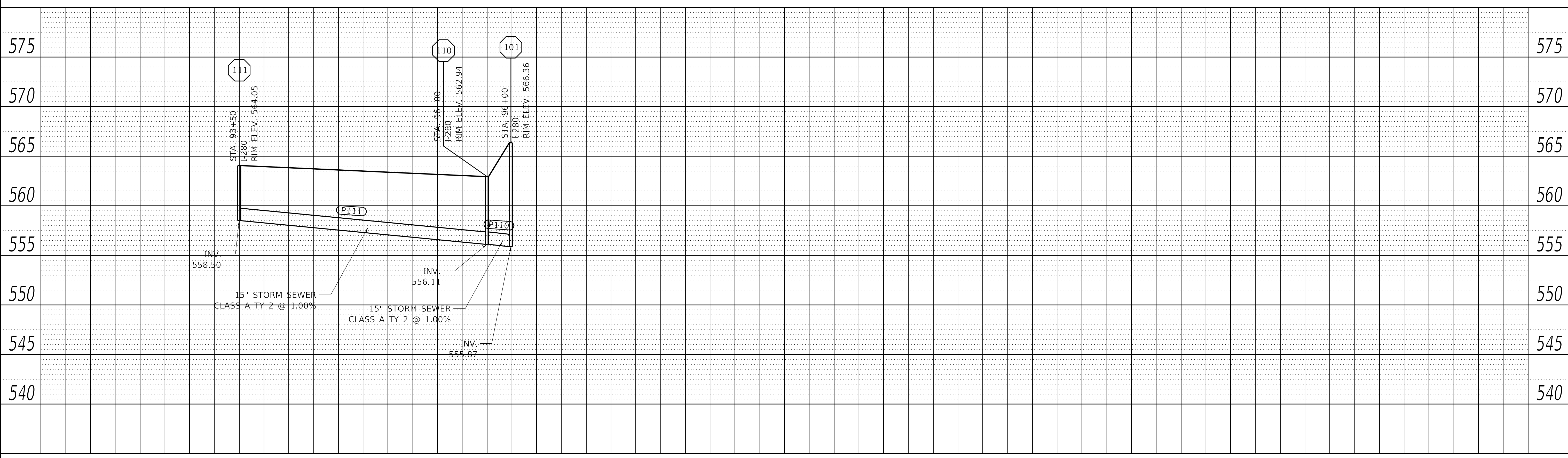
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81RS-1	ROCK ISLAND	3	1

CONTRACT NO. 64F78
ILLINOIS FED. AID PROJECT

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATION CHKD	
	NOTE BOOK NO.	
	CADD FILE NAME	



PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	ALIGNMENT CHECKED	
	STRUCTURE NOTATION CHKD	
	NOTE BOOK NO.	
	CADD FILE NAME	



MODEL: SPODELNAME\$
FILE NAME: \$FILE\$



USER NAME =	dbuescher	DESIGNED -	MJR	REVISED -	REVISE 1
		DRAWN -	DDB	REVISED -	
PLOT SCALE =	50.0' / in.	CHECKED -	ERO	REVISED -	
PLOT DATE =	10/14/2020	DATE -	10/14/2020	REVISED -	

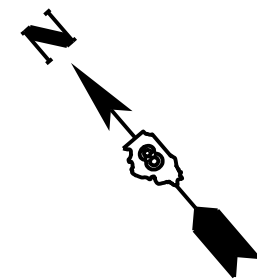
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DRAINAGE PROFILE			
I-280 OVER MISSISSIPPI RIVER			
SCALE: 1=50H:1=5V	SHEET 1	OF 1 SHEETS	STA. 86+50 TO STA. 96+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81RS-1	ROCK ISLAND	3	2
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

STRUCTURE SCHEDULE								
STR. NO.	STATION	OFFSET		54261424	60240395	60270000	60270050	28100105
				CONCRETE END SECTION, STANDARD 542001, 24", 1:4	INLETS, TYPE B, NEENAH R-4349-D	DRAINAGE STRUCTURES, TYPE 4 WITH ONE TYPE 20 FRAME AND GRATE	DRAINAGE STRUCTURES, TYPE 4 WITH TWO TYPE 20 FRAME AND GRATES	STONE RIPRAP, CLASS A3
				EACH	EACH	EACH	EACH	SQ YD
100	96+00	85.0	RT	1				21
101	96+00	21.1	RT			1		
102	95+00	21.4	RT			1		
103	94+50	19.8	RT			1		
104	93+00	15.3	RT			1		
105	92+50	15.2	RT			1		
106	90+50	13.7	RT			1		
107	89+50	11.5	RT			1		
108	88+50	2.5	RT				1	
109	88+00	1.4	RT				1	
110	96+00	2.6	LT		1			
111	93+50	4.5	LT		1			
TOTAL				1	2	7	2	21

PIPE SCHEDULE						
PIPE NO.	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	550A0340	550A0360	55200900	20800150
			STORM SEWER, CLASS A, TYPE 2 12"	STORM SEWER, CLASS A, TYPE 2 15"	STORM SEWERS JACKED IN PLACE, 24"	TRENCH BACKFILL
			FOOT	FOOT	FOOT	CU YD
P101	101	100			67	7
P102	102	101	100			37
P103	103	102	50			41
P104	104	103	150			26
P105	105	104	50			26
P106	106	105	200			78
P107	107	106	100			52
P108	108	107	100			130
P109	109	108	50			26
P110	110	101		24		3
P111	111	110		250		
TOTAL			800	274	67	426



MODEL: SPODELNAME
FILE NAME: STILES



USER NAME = dbuescher
PLOT SCALE = 50.0' / in.
PLOT DATE = 10/14/2020

DESIGNED - MJR
DRAWN - DDB
CHECKED - ERO
DATE - 10/14/2020

REVISED - REVISE 1
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
I-280 OVER MISSISSIPPI RIVER

SCALE: N/A SHEET 1 OF 1 SHEETS STA. 86+50 TO STA. 96+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81RS-1	ROCK ISLAND	3	3
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

SUGGESTED SEQUENCE OF CONSTRUCTION


WORK TO BE COMPLETED PRIOR TO STAGING

- SET UP DETOUR ROUTES
- REMOVE AND REPLACE SHOULDER RUMBLE STRIPS
- BRIDGE DECK PATCHING
- CRITICAL MAINLINE PAVEMENT PATCHING 

PRE-STAGE

- REMOVE MEDIAN BARRIER WALL
- INSTALL TEMPORARY PAVEMENT

STAGE 1

- SHIFT TRAFFIC TO EXISTING EASTBOUND LANES
- PERFORM STEEL REPAIRS / REPLACE BEARINGS AT EXPANSION JOINTS
- RE-DECK WESTBOUND LANES OF BRIDGE
- PAINT STRUCTURAL STEEL AS REQUIRED
- INSTALL WESTBOUND APPROACH AND CONNECTOR SLABS
- INSTALL WESTBOUND TEMPORARY RAMP
- CRITICAL MAINLINE PAVEMENT PATCHING 

WINTER SHUT DOWN

- CLOSE CROSSOVERS WITH TEMPORARY BARRIER WALL
- RESTORE TRAFFIC AND PAVEMENT MARKINGS TO PRE-CONSTRUCTION CONDITION
- SIGNS TO REMAIN IN PLACE DURING WINTER SHUT DOWN

STAGE 2

- SHIFT TRAFFIC TO EXISTING WESTBOUND LANES
- PERFORM STEEL REPAIRS / REPLACE BEARINGS AT EXPANSION JOINTS
- RE-DECK EASTBOUND LANES OF BRIDGE
- PAINT STRUCTURAL STEEL AS REQUIRED
- INSTALL EASTBOUND APPROACH AND CONNECTOR SLABS
- INSTALL EASTBOUND TEMPORARY RAMP

WINTER SHUT DOWN

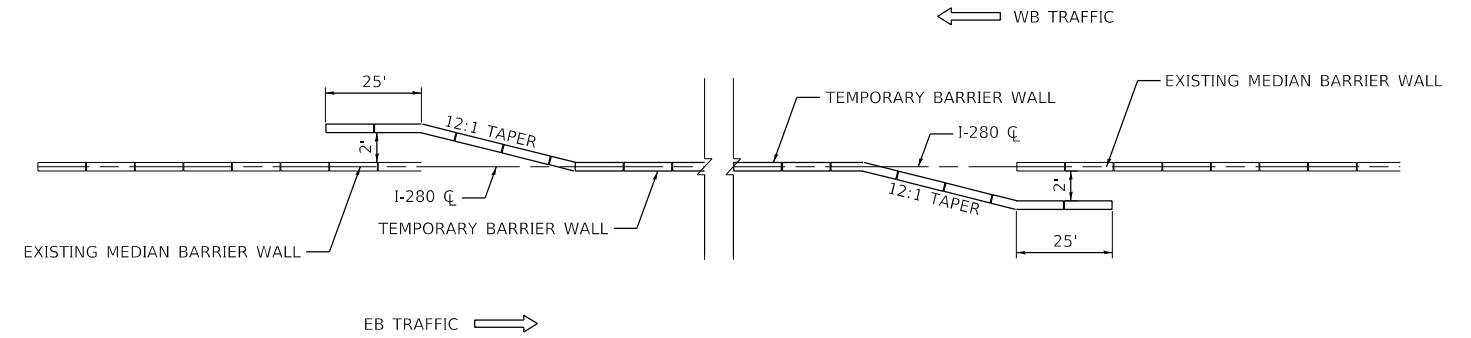
- CLOSE CROSSOVERS WITH TEMPORARY BARRIER WALL
- RESTORE TRAFFIC AND PAVEMENT MARKINGS TO PRE-CONSTRUCTION CONDITION
- SIGNS TO REMAIN IN PLACE DURING WINTER SHUT DOWN

MAINLINE RESURFACING

- MAINLINE HMA RESURFACING
- ROADWAY IMPROVEMENTS
- INSTALL MAINLINE PAVEMENT MARKINGS

RAMP RESURFACING


- RAMP HMA RESURFACING
- INSTALL RAMP PAVEMENT MARKINGS



WINTER SHUT DOWN CROSSOVER CLOSURE DETAIL

MODEL D:\64811
FILE NAME: 2020-24-int-mcdonnell.dwg



USER NAME = jrobinson	DESIGNED - SPB	REVISED - JR 10-2-2020 
	DRAWN - SPB	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 10/2/2020	DATE -	REVISED -

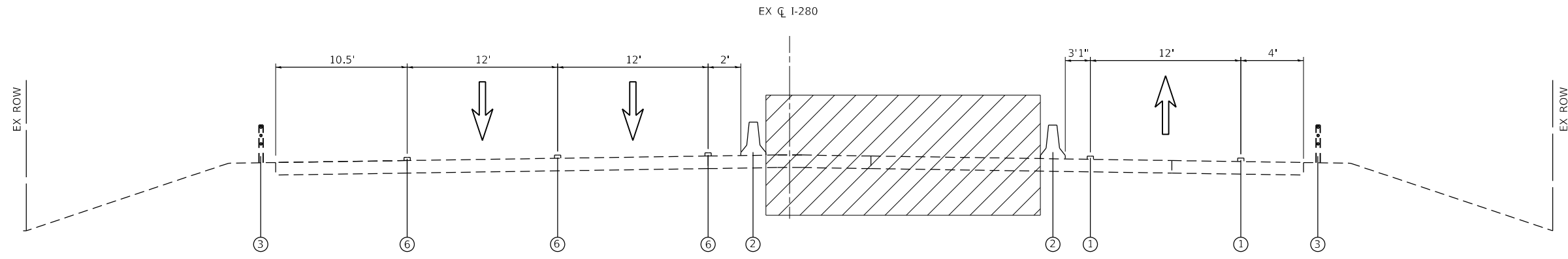
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
SUGGESTED SEQUENCE OF CONSTRUCTION**

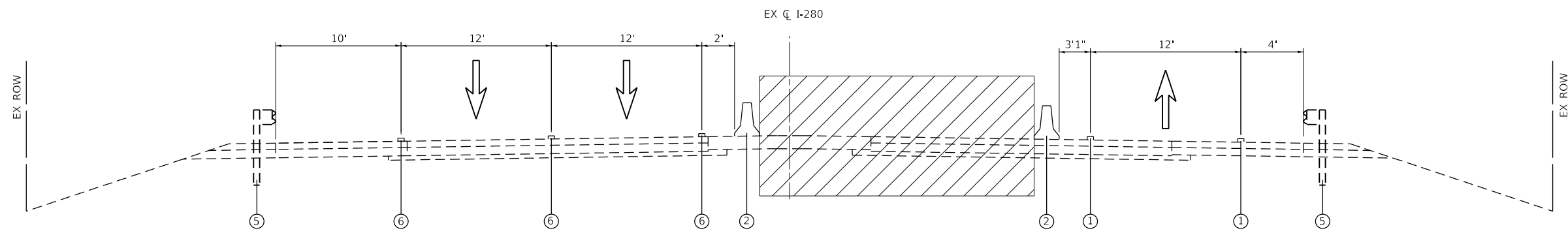
SCALE: N/A SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-1B, 81-1(F&E) & 81-1D	ROCK ISLAND	306	51
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

 **REVISED ENTIRE SHEET 10/20/20**



MOT TYPICAL SECTION - PRE-STAGE
WEST OF BRIDGE



MOT TYPICAL SECTION - PRE-STAGE
EAST OF BRIDGE

LEGEND

- ① TEMPORARY PAVEMENT MARKING
- ② TEMPORARY CONCRETE BARRIER WALL
- ③ EXISTING CABLE BARRIER
- ④ EXISTING MEDIAN BARRIER WALL
- ⑤ EXISTING GUARDRAIL
- ⑥ EXISTING PAVEMENT MARKING
- ⑦ TYPE II BARREL/BARRICADE
- WORK ZONE

MODEL: D:\6478\1111\1111\1111\1111.dwg
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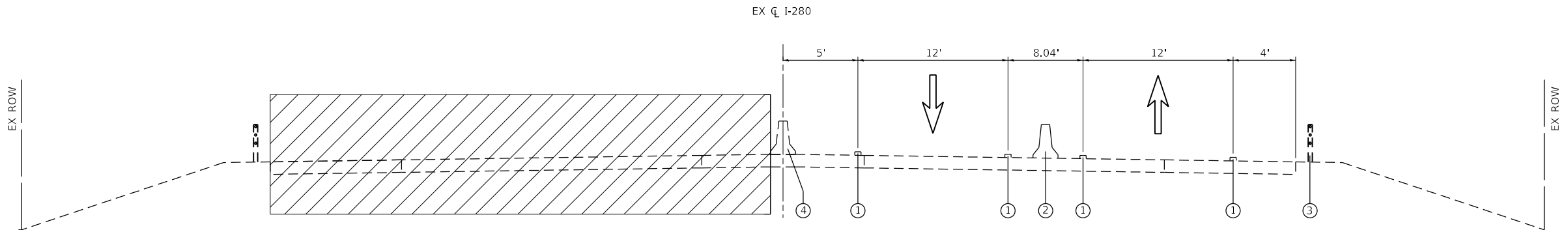
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DRAWN - SPB	REVISIONS -	
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PLOT DATE = 10/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

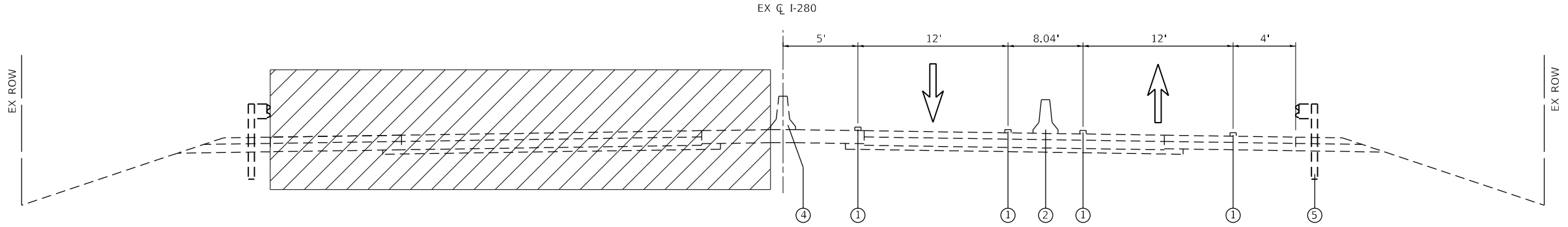
**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

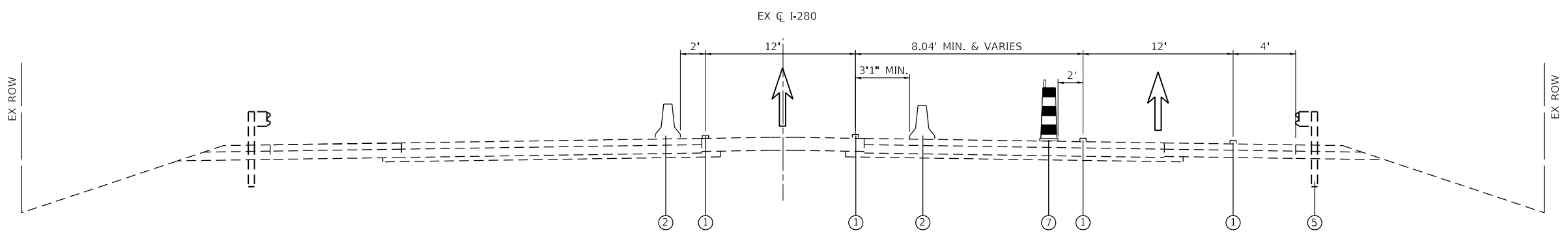
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	52
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				



MOT TYPICAL SECTION - STAGE 1
WEST OF BRIDGE



MOT TYPICAL SECTION - STAGE 1
EAST OF BRIDGE



MOT TYPICAL SECTION - STAGE 1
EAST OF BRIDGE CROSSOVER

- LEGEND**
- ① TEMPORARY PAVEMENT MARKING
 - ② TEMPORARY CONCRETE BARRIER WALL
 - ③ EXISTING CABLE BARRIER
 - ④ EXISTING MEDIAN BARRIER WALL
 - ⑤ EXISTING GUARDRAIL
 - ⑥ EXISTING PAVEMENT MARKING
 - ⑦ TYPE II BARREL/BARRICADE
 - WORK ZONE

MODEL: D:\64711
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USER NAME = eckay	DESIGNED - RGJ	REVISED -
DRAWN - SPB	CHECKED - JIR	REVISED -
PLOT SCALE = 10.0000 ' / in.	DATE -	REVISED -
PLOT DATE = 10/5/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

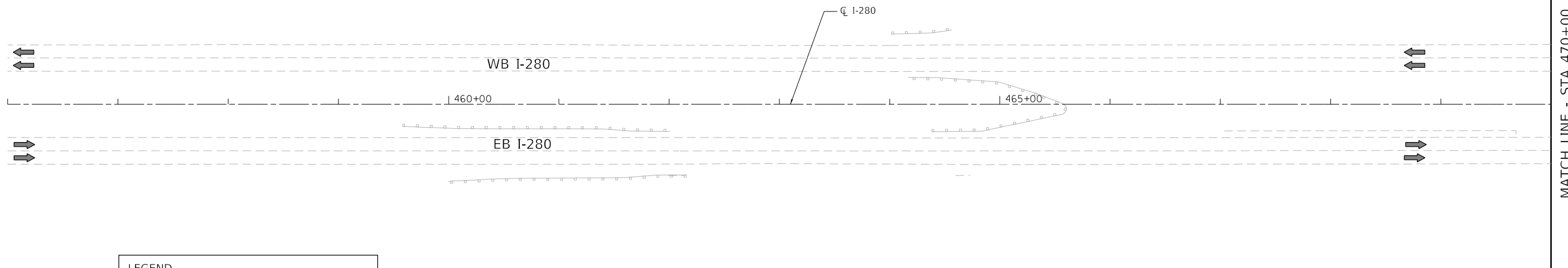
**MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS**

SCALE: N/A SHEET 2 OF 4 SHEETS STA. TO STA.











F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	53
CONTRACT NO. 64F78				

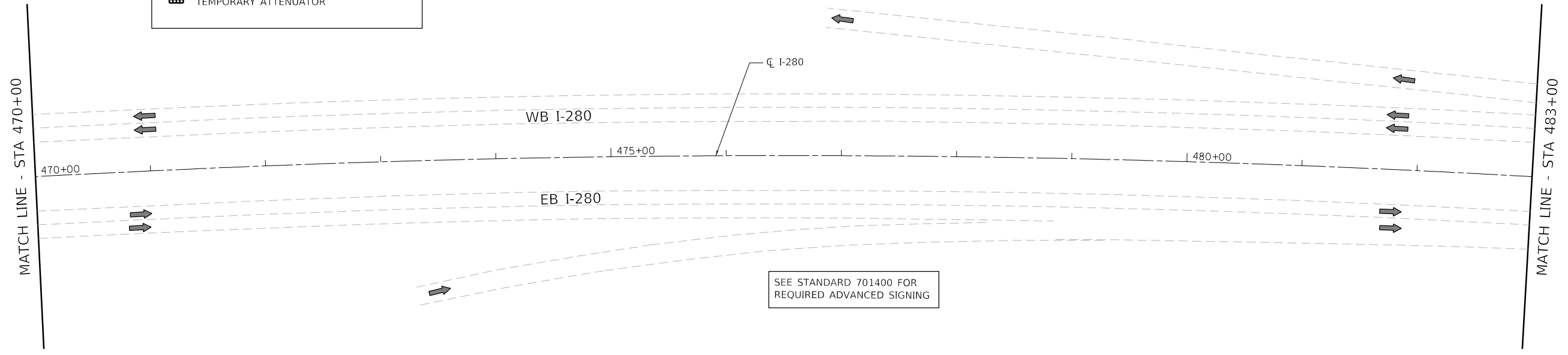
CONTRACTOR TO CONTACT DAVENPORT RESIDENCY (563-391-2750) TO COORDINATE MAINTANANCE OF TRAFFIC WITH ADJACENT CONTRACT. ADJACENT CONTRACT TO BE PERFORMED BY OTHERS

SEE STANDARD 701400 FOR REQUIRED ADVANCED SIGNING

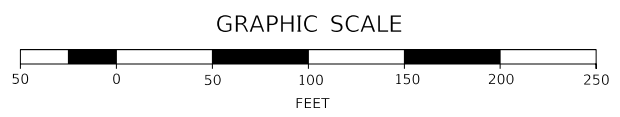


LEGEND

-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE OR BARREL WITH STEADY BURN MONODIRECTIONAL LIGHT
-  VERTICAL PANEL (250' SPACING)
-  DIRECTION OF TRAFFIC
-  CONSTRUCTION ZONE
-  TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
-  CONSTRUCTION SIGN
-  TEMPORARY CONCRETE BARRIER
-  ARROW BOARD
-  TEMPORARY ATTENUATOR



SEE STANDARD 701400 FOR REQUIRED ADVANCED SIGNING



MODEL D:\6478\FILE NAME: 28024-1-1-1-1-1-1-1-1-1-1.dgn



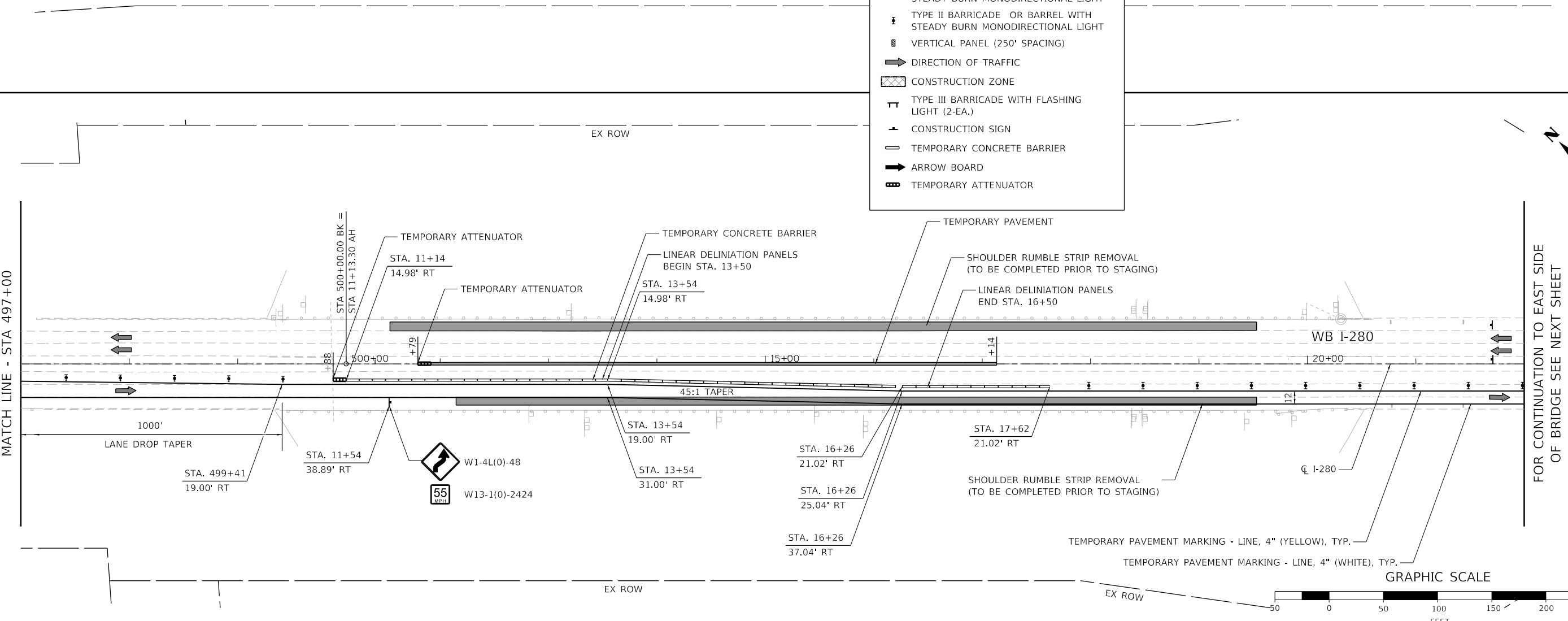
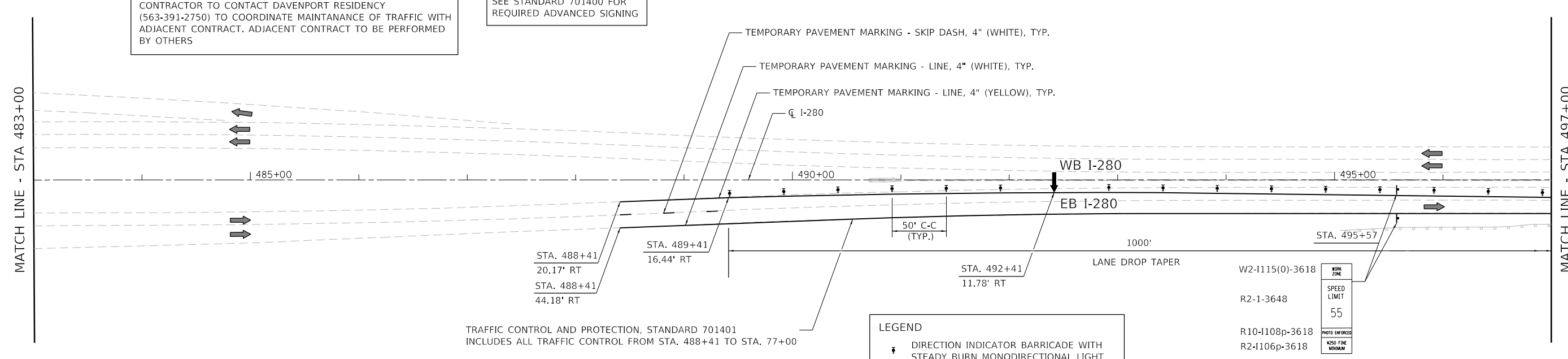
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	DRAWN - SPB	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 10/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PRE - STAGE			
SCALE: 1" = 50'	SHEET 1	OF 5 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	56
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

 REVISED ENTIRE SHEET 10/20/20



CONTRACTOR TO CONTACT DAVENPORT RESIDENCY (563-391-2750) TO COORDINATE MAINTANANCE OF TRAFFIC WITH ADJACENT CONTRACT. ADJACENT CONTRACT TO BE PERFORMED BY OTHERS

SEE STANDARD 701400 FOR REQUIRED ADVANCED SIGNING

TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 INCLUDES ALL TRAFFIC CONTROL FROM STA. 488+41 TO STA. 77+00

- LEGEND**
- ☒ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ☒ TYPE II BARRICADE OR BARREL WITH STEADY BURN MONODIRECTIONAL LIGHT
 - ☒ VERTICAL PANEL (250' SPACING)
 - ➡ DIRECTION OF TRAFFIC
 - ▨ CONSTRUCTION ZONE
 - ☒ TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
 - ☒ CONSTRUCTION SIGN
 - ☒ TEMPORARY CONCRETE BARRIER
 - ➡ ARROW BOARD
 - ☒ TEMPORARY ATTENUATOR

WORK ZONE
SPEED LIMIT
55
PHOTO ENFORCED
4250 FINE MINIMUM

MODEL: D:\64\11... FILE NAME: 20200414\1017-510-02.dwg



USER NAME = eckay	DESIGNED - RGJ	REVISED -
	DRAWN - SPB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 10/5/2020	DATE -	REVISED -

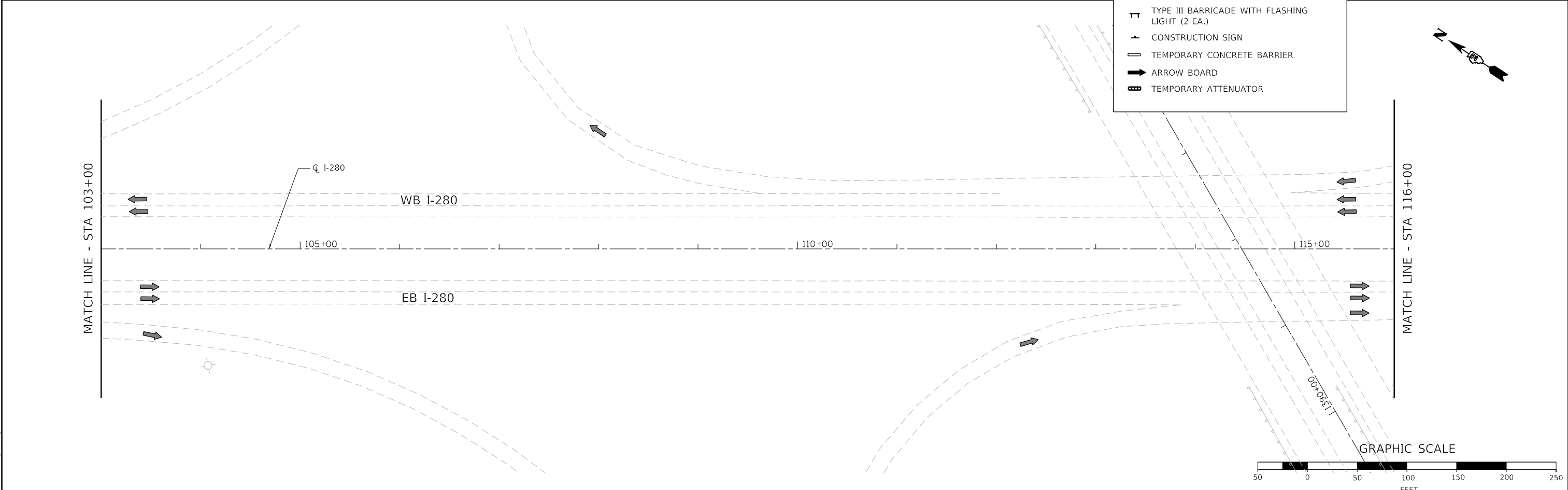
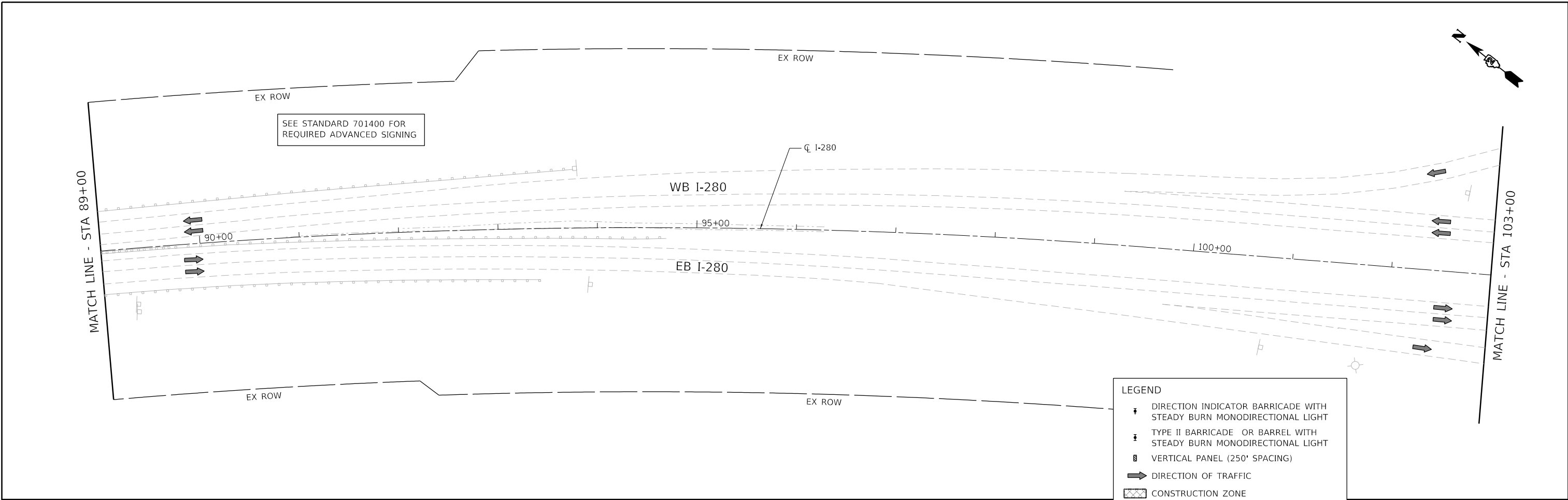
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PRE - STAGE**

SCALE: 1" = 50' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	57
CONTRACT NO. 64F78				

ILLINOIS FED. AID PROJECT
REVISD ENTIRE SHEET 10/20/20



LEGEND

- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE OR BARREL WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL (250' SPACING)
- DIRECTION OF TRAFFIC
- CONSTRUCTION ZONE
- TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- CONSTRUCTION SIGN
- TEMPORARY CONCRETE BARRIER
- ARROW BOARD
- TEMPORARY ATTENUATOR

MODEL D:\6478\11
 FILE NAME: 2020-10-10-Traffic-Stage.dwg



USER NAME = eckay	DESIGNED - RGJ	REVISED -
DRAWN - SPB	REVISIONS	
CHECKED - JIR	REVISIONS	
DATE -	REVISIONS	
PLOT SCALE = 100.0000' / in.		
PLOT DATE = 10/5/2020		

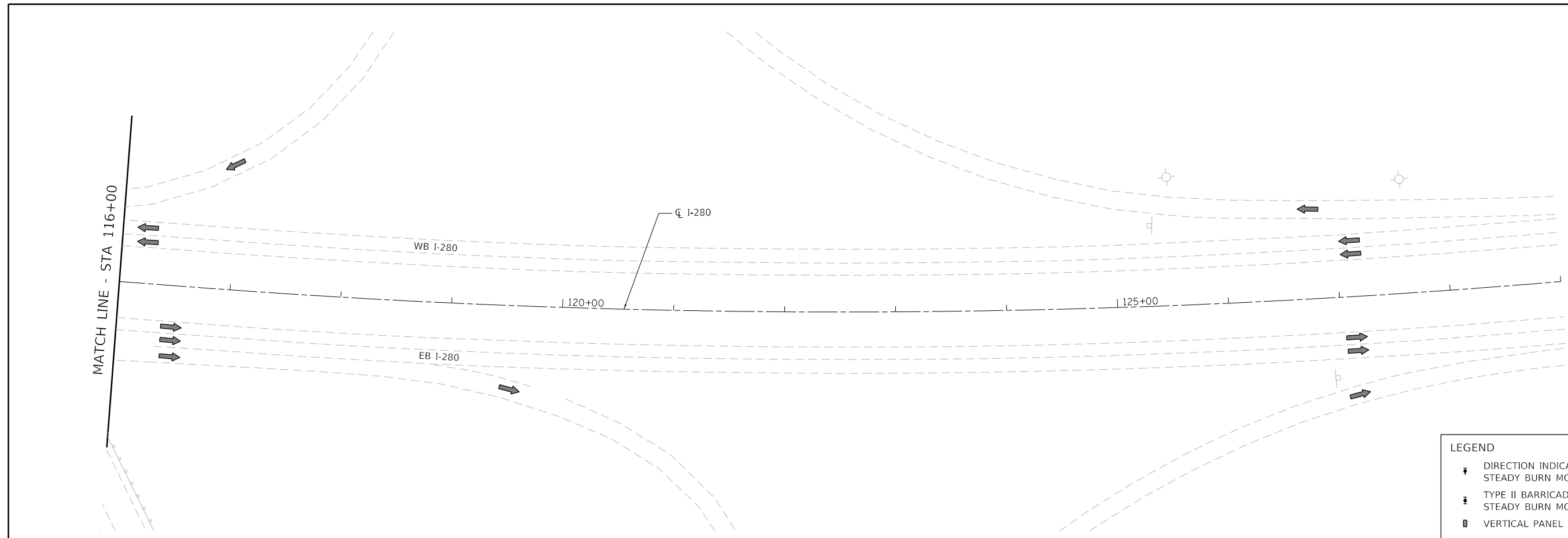
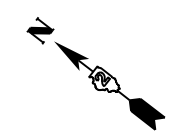
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
PRE - STAGE**











SCALE: 1" = 50' SHEET 4 OF 5 SHEETS STA. TO STA.

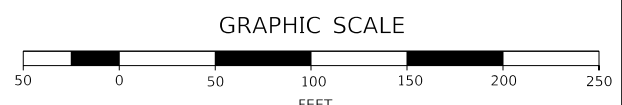
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&G(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	59
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

1 REVISED ENTIRE SHEET 10/20/20



LEGEND

-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE OR BARREL WITH STEADY BURN MONODIRECTIONAL LIGHT
-  VERTICAL PANEL (250' SPACING)
-  DIRECTION OF TRAFFIC
-  CONSTRUCTION ZONE
-  TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
-  CONSTRUCTION SIGN
-  TEMPORARY CONCRETE BARRIER
-  ARROW BOARD
-  TEMPORARY ATTENUATOR



MODEL D:\6478\11
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USER NAME = eckay	DESIGNED - RGJ	REVISED -
	DRAWN - SPB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 10/5/2020	DATE -	REVISED -

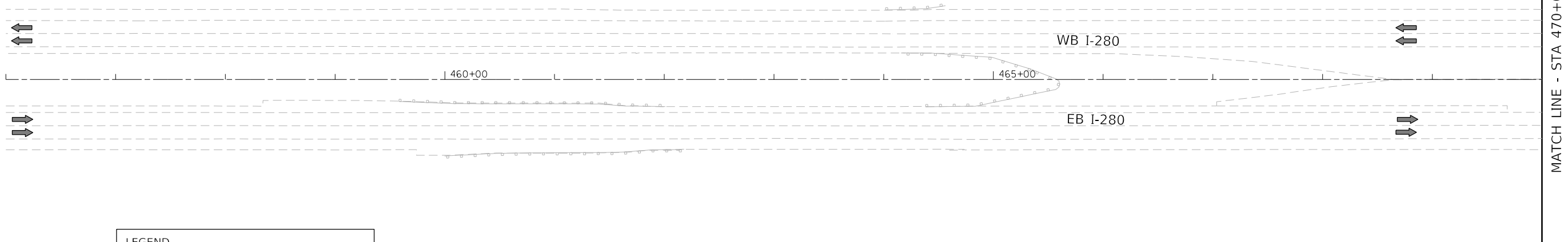
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PRE - STAGE			
SCALE: 1" = 50'	SHEET 5	OF 5 SHEETS	STA. TO STA.

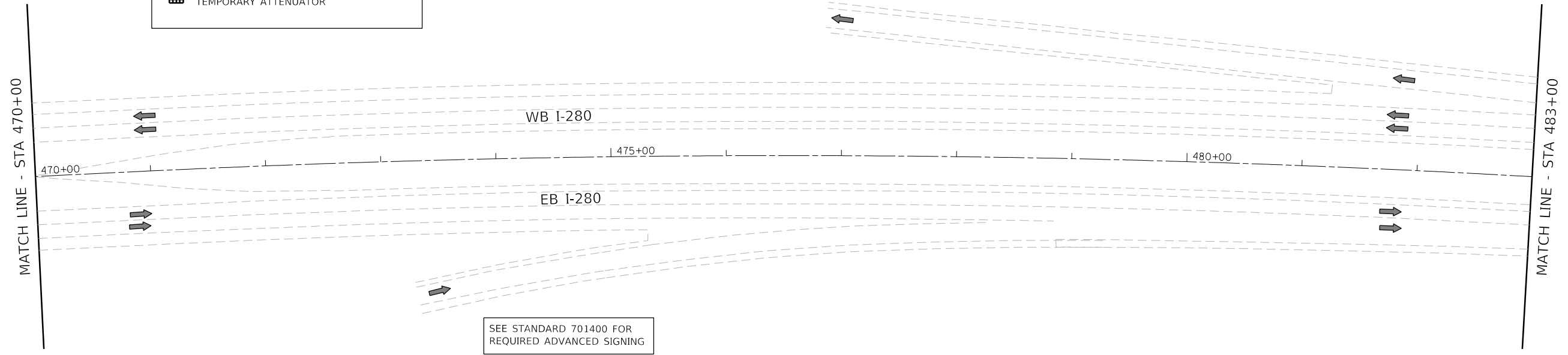
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	60
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

 **REVISED ENTIRE SHEET 10/20/20**

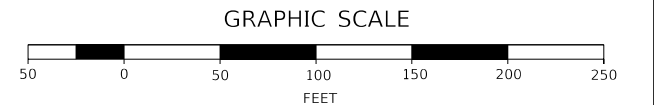
CONTRACTOR TO CONTACT DAVENPORT RESIDENCY (563-391-2750) TO COORDINATE MAINTANANCE OF TRAFFIC WITH ADJACENT CONTRACT. ADJACENT CONTRACT TO BE PERFORMED BY OTHERS



- LEGEND**
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TYPE II BARRICADE OR BARREL WITH STEADY BURN MONODIRECTIONAL LIGHT
 - VERTICAL PANEL (250' SPACING)
 - DIRECTION OF TRAFFIC
 - CONSTRUCTION ZONE
 - TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
 - CONSTRUCTION SIGN
 - TEMPORARY CONCRETE BARRIER
 - ARROW BOARD
 - TEMPORARY ATTENUATOR



SEE STANDARD 701400 FOR REQUIRED ADVANCED SIGNING



MODEL D:\6478\FILE NAME: 280\24-INT\MOT-2501.01.dgn



USER NAME = eckay	DESIGNED - RGJ	REVISED -
	DRAWN - SPB	REVISED -
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PLOT DATE = 10/5/2020	DATE -	REVISED -

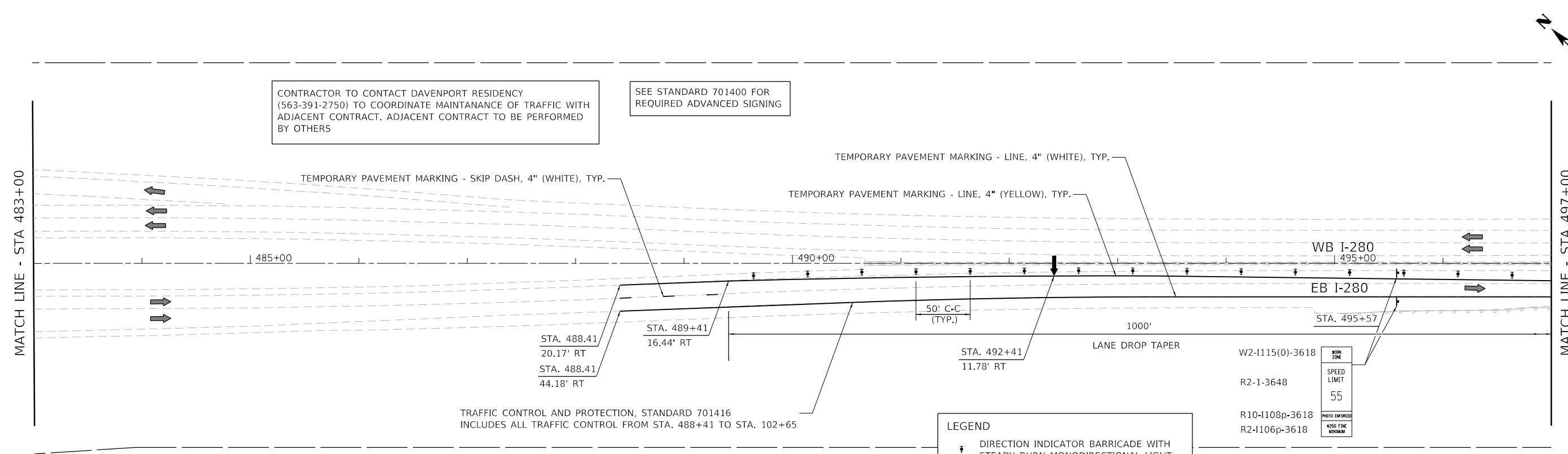
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1**

SCALE: 1" = 50' SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	61
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

REVISED ENTIRE SHEET 10/20/20



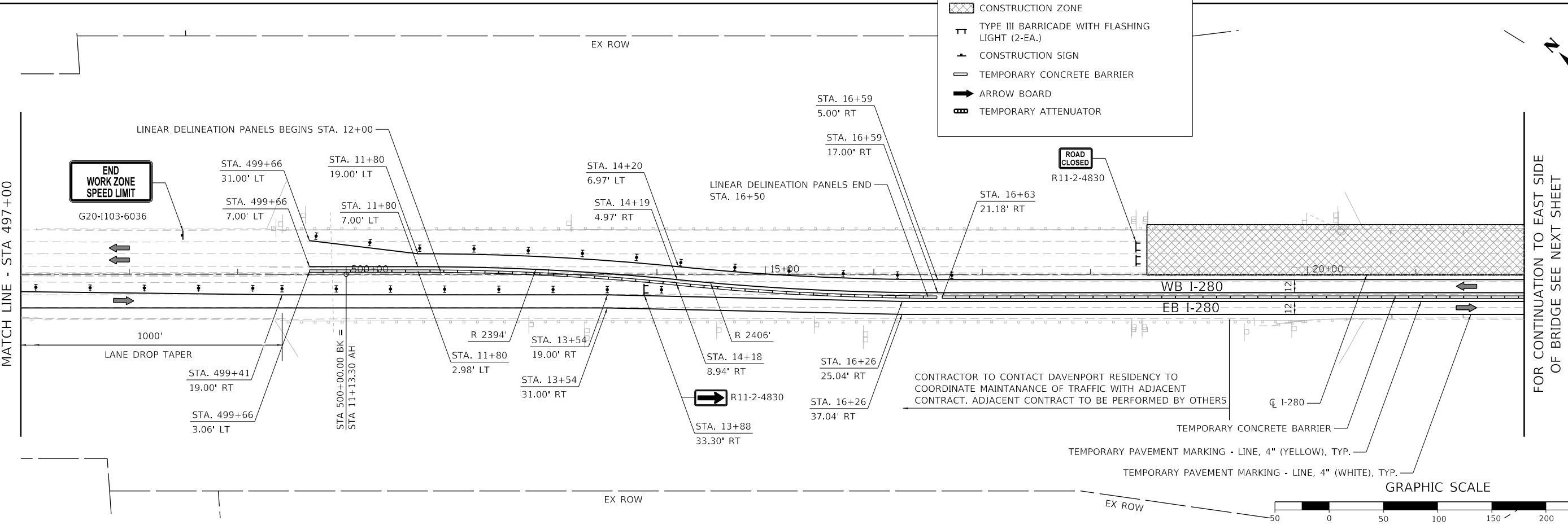
CONTRACTOR TO CONTACT DAVENPORT RESIDENCY (563-391-2750) TO COORDINATE MAINTANANCE OF TRAFFIC WITH ADJACENT CONTRACT. ADJACENT CONTRACT TO BE PERFORMED BY OTHERS

SEE STANDARD 701400 FOR REQUIRED ADVANCED SIGNING

LEGEND

- ↓ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ TYPE II BARRICADE OR BARREL WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▩ VERTICAL PANEL (250' SPACING)
- ➔ DIRECTION OF TRAFFIC
- ▨ CONSTRUCTION ZONE
- ⊥ TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- ⊥ CONSTRUCTION SIGN
- ▬ TEMPORARY CONCRETE BARRIER
- ➔ ARROW BOARD
- ▨ TEMPORARY ATTENUATOR

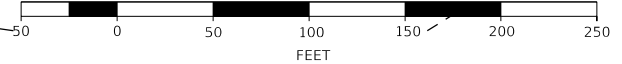
WORK ZONE
SPEED LIMIT
55
PHOTO ENFORCED
4250 FINE MINIMUM



END WORK ZONE SPEED LIMIT
G20-1103-6036

ROAD CLOSED
R11-2-4830

CONTRACTOR TO CONTACT DAVENPORT RESIDENCY TO COORDINATE MAINTANANCE OF TRAFFIC WITH ADJACENT CONTRACT. ADJACENT CONTRACT TO BE PERFORMED BY OTHERS



MODEL: D:\64811... FILE NAME: 202534-1101-101-02.dwg



USER NAME = eckay	DESIGNED - RGJ	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - SPB	REVISED -
PLOT DATE = 10/5/2020	CHECKED - JIR	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 1**

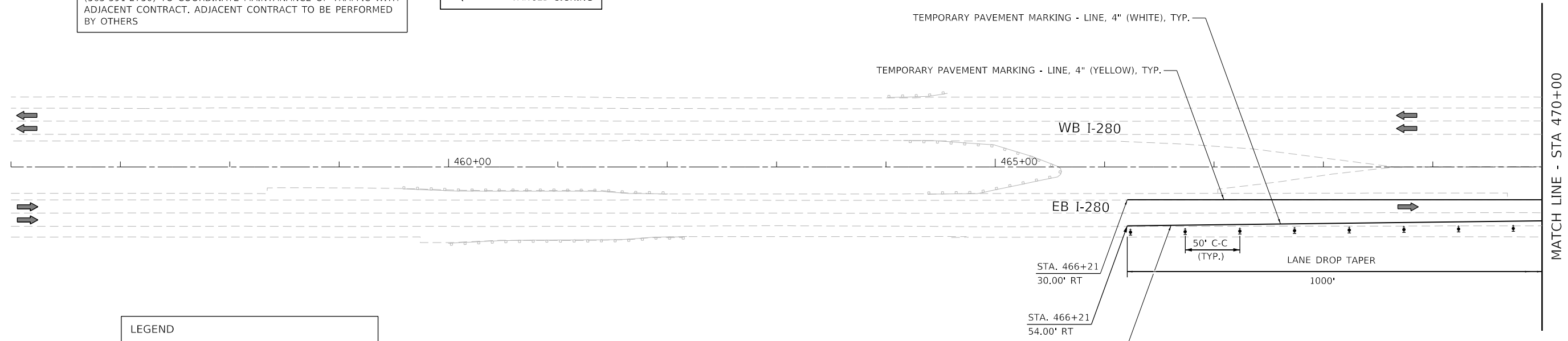
SCALE: 1" = 50' SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	62
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

REVISD ENTIRE SHEET 10/20/20

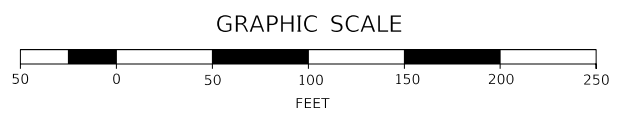
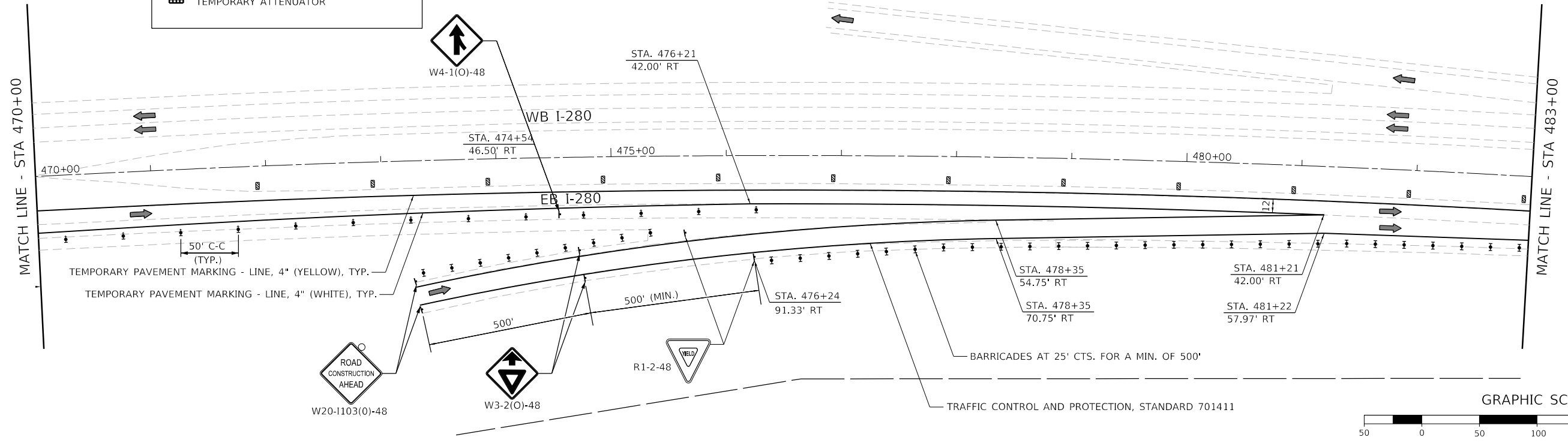
CONTRACTOR TO CONTACT DAVENPORT RESIDENCY (563-391-2750) TO COORDINATE MAINTANANCE OF TRAFFIC WITH ADJACENT CONTRACT. ADJACENT CONTRACT TO BE PERFORMED BY OTHERS

SEE STANDARD 701400 FOR REQUIRED ADVANCED SIGNING



- LEGEND**
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
 - TYPE II BARRICADE OR BARREL WITH STEADY BURN MONODIRECTIONAL LIGHT
 - VERTICAL PANEL (250' SPACING)
 - DIRECTION OF TRAFFIC
 - CONSTRUCTION ZONE
 - TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
 - CONSTRUCTION SIGN
 - TEMPORARY CONCRETE BARRIER
 - ARROW BOARD
 - TEMPORARY ATTENUATOR

TRAFFIC CONTROL AND PROTECTION, STANDARD 701416
INCLUDES ALL TRAFFIC CONTROL FROM STA. 466+21 TO STA. 84+72



MODEL D:\6478\FILE NAME: 28834-1101-101.dgn



USER NAME = eckay	DESIGNED - RGJ	REVISED -
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	DATE -	REVISED -

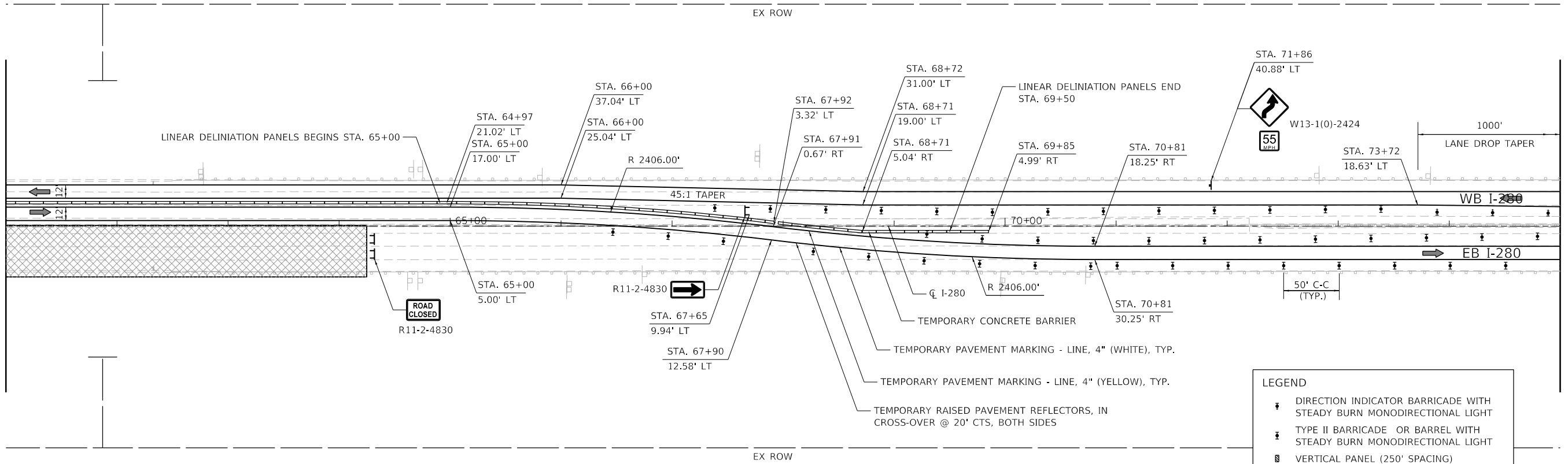
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC STAGE 2	
SCALE: 1" = 50'	SHEET 1 OF 5 SHEETS
STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	66
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64F78	

REVISED ENTIRE SHEET 10/20/20

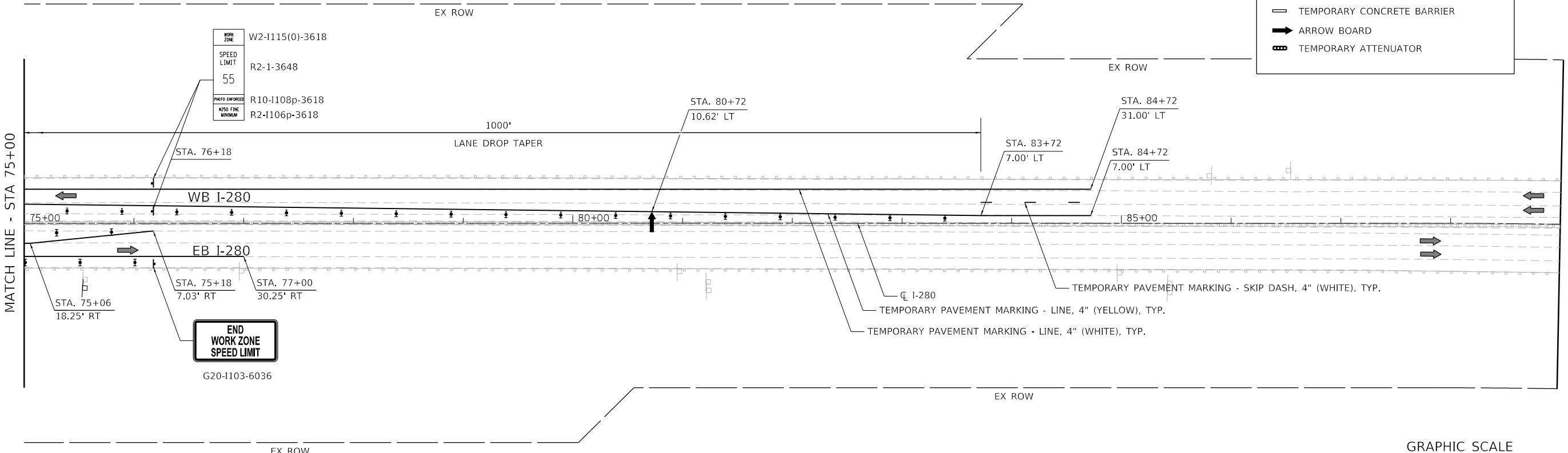
FOR CONTINUATION TO WEST SIDE
OF BRIDGE SEE PREVIOUS SHEET



MATCH LINE - STA 75+00

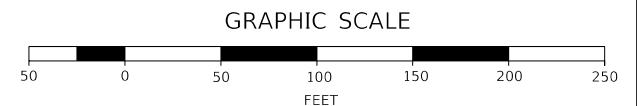
LEGEND

- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE OR BARREL WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL (250' SPACING)
- DIRECTION OF TRAFFIC
- CONSTRUCTION ZONE
- TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- CONSTRUCTION SIGN
- TEMPORARY CONCRETE BARRIER
- ARROW BOARD
- TEMPORARY ATTENUATOR



MATCH LINE - STA 75+00

MATCH LINE - STA 89+00



MODEL: D:\64bit
FILE NAME: 202534-1115(0)-101-103.dwg



USER NAME = eckay	DESIGNED - RGJ	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN - SPB	REVISED -
PLOT DATE = 10/5/2020	CHECKED - JIR	REVISED -
	DATE -	REVISED -

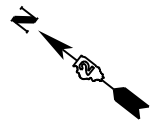
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 2**

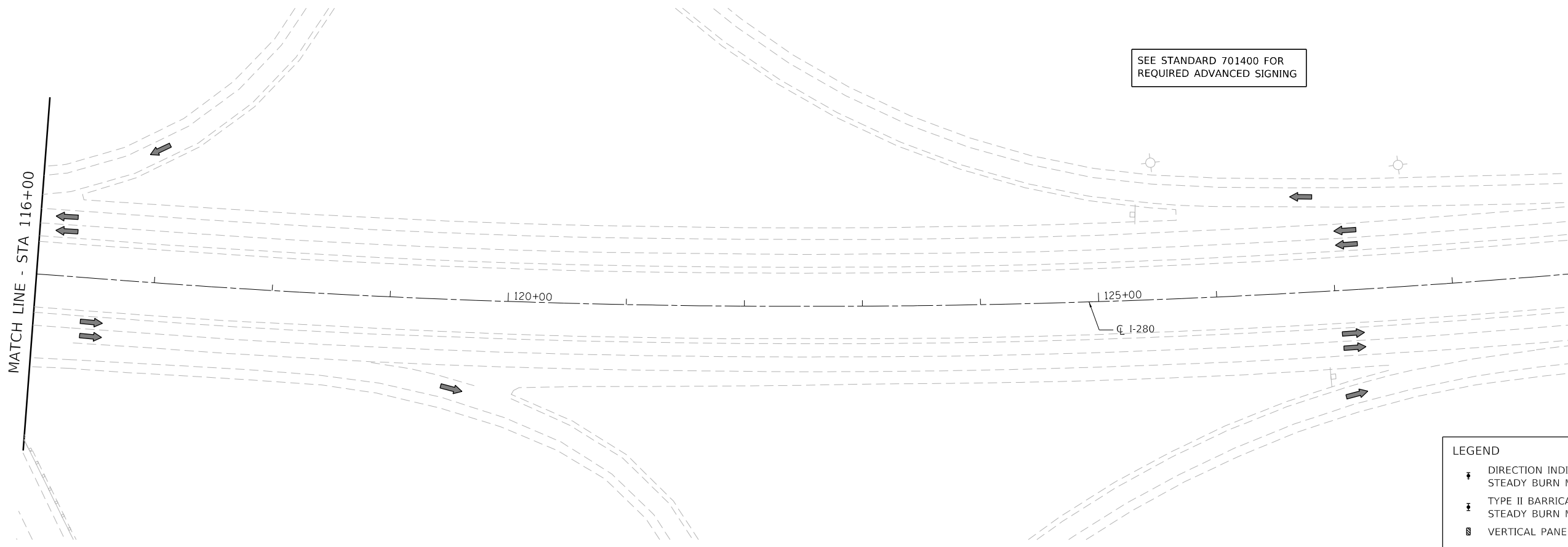
SCALE: 1" = 50' SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&G(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	68
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

REVISED ENTIRE SHEET 10/20/20

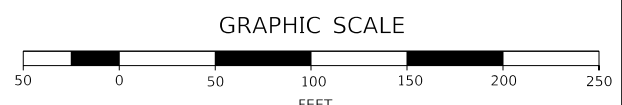


SEE STANDARD 701400 FOR
REQUIRED ADVANCED SIGNING



LEGEND

- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE OR BARREL WITH STEADY BURN MONODIRECTIONAL LIGHT
- VERTICAL PANEL (250' SPACING)
- DIRECTION OF TRAFFIC
- CONSTRUCTION ZONE
- TYPE III BARRICADE WITH FLASHING LIGHT (2-EA.)
- CONSTRUCTION SIGN
- TEMPORARY CONCRETE BARRIER
- ARROW BOARD
- TEMPORARY ATTENUATOR



MODEL D:\6478\1
FILE NAME: 2020-10-05-10-05-10-05.dwg



USER NAME = eckay	DESIGNED - RGJ	REVISED -
	DRAWN - SPB	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 10/5/2020	DATE -	REVISED -

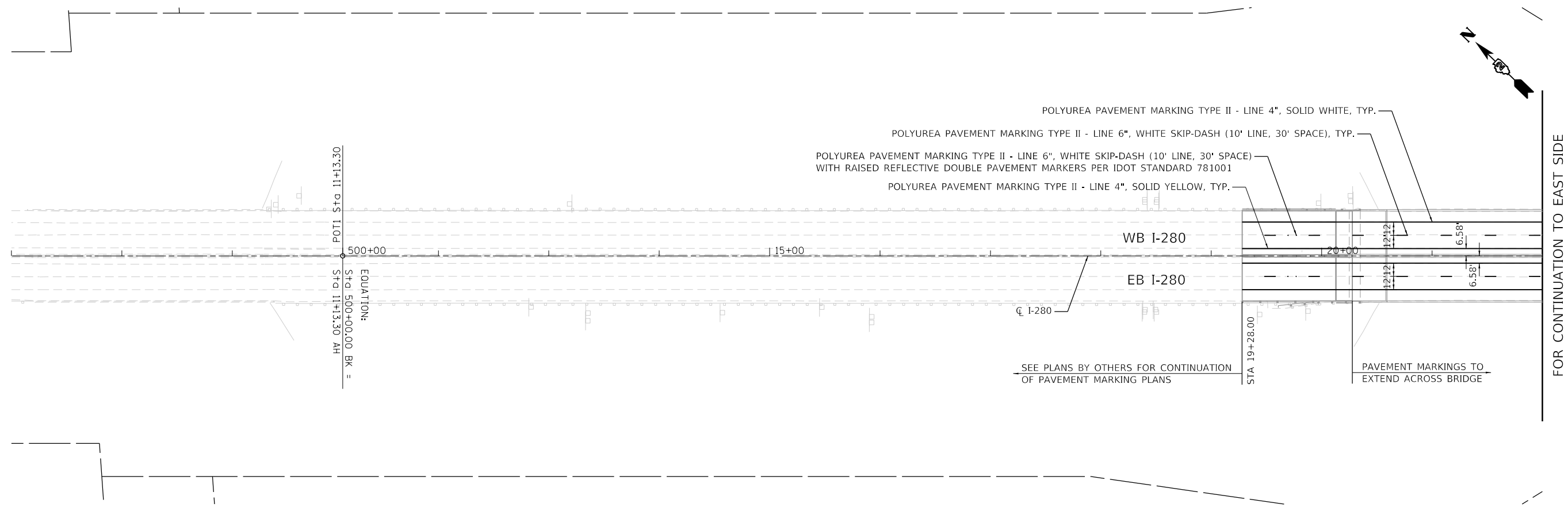
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
STAGE 2**

SCALE: 1" = 50' SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	70
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

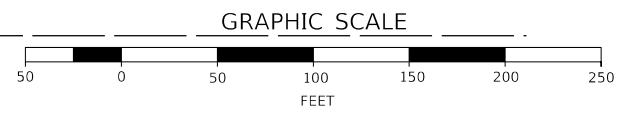
REVISED ENTIRE SHEET 10/20/20



FOR CONTINUATION TO EAST SIDE
OF BRIDGE SEE BELOW



FOR CONTINUATION TO WEST SIDE
OF BRIDGE SEE ABOVE



MODEL: D:\6478
FILE: 280\280-24-ent-1001.dwg



USER NAME = eckay	DESIGNED - RGJ	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - SPB	REVISED -
PLOT DATE = 10/5/2020	CHECKED - JIR	REVISED -
	DATE -	REVISED -

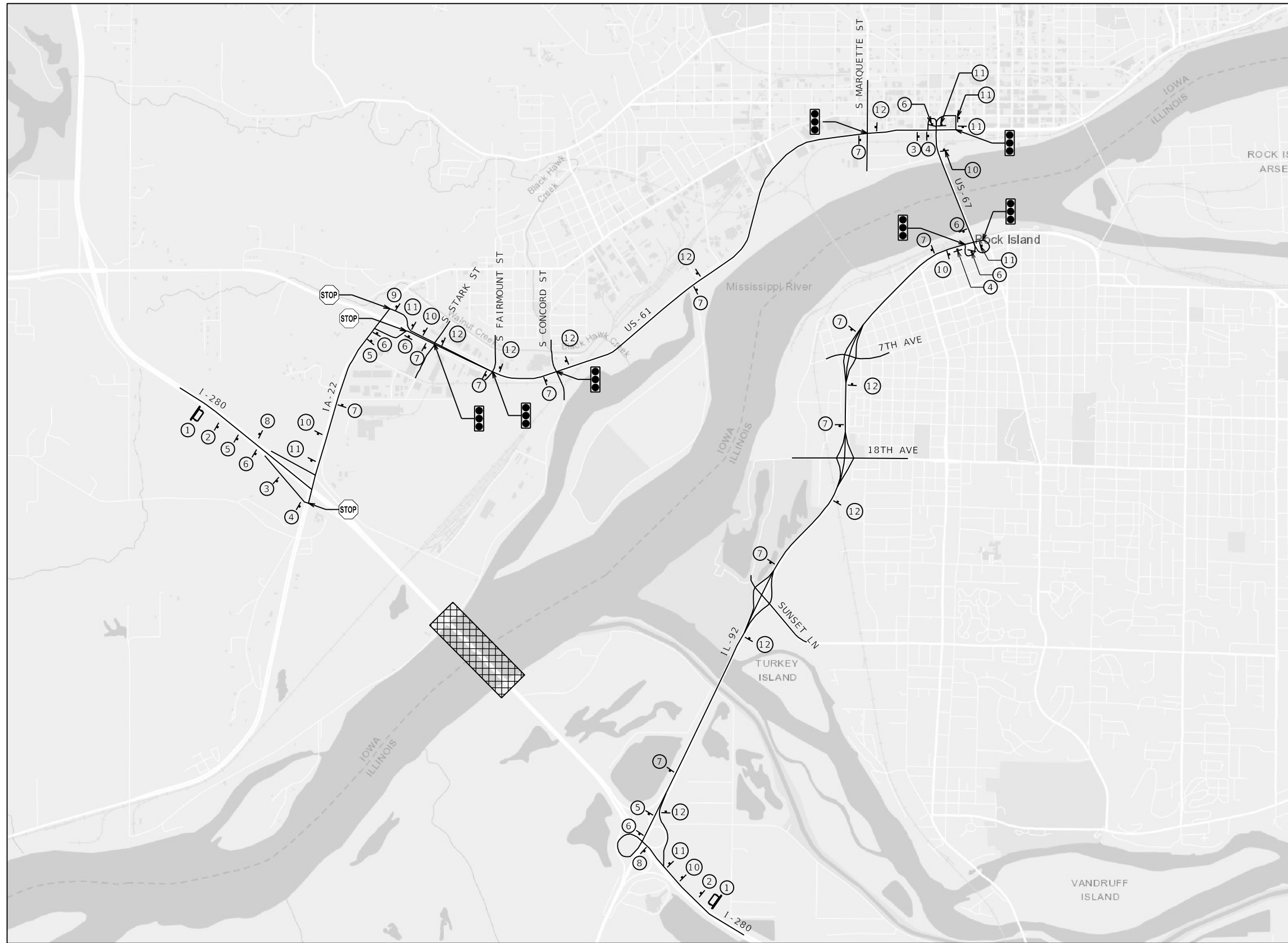
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING PLAN

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&G(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	71
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				




1 REVISED ENTIRE SHEET 10/20/20

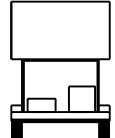











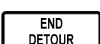



NOTES

- ALL ADVANCED SIGNS APPROACHING THE DETOUR, PRIOR TO THE FIRST EXIT, SHALL REMAIN COVERED UNTIL THE DETOUR ROUTE IS ACTIVATED.

LEGEND

-  WORK ZONE
-  CHANGABLE MESSAGE SIGN
-  SIGN

①		②		③	
CHANGEABLE MESSAGE SIGN		W20-2-4848			
④		⑤		⑥	
⑦		⑧		⑨	
⑩		⑪		⑫	
⑬		⑭			
M4-8A-2418		R11-2-4830			

DETOUR ROUTE

- TYPE III BARRICADES WITH FLASHERS PLACED AS SHOWN IN STANDARD 701901.

MODEL: D:\64bit... FILE: 80834-INT-Detour1.ccd.dgn



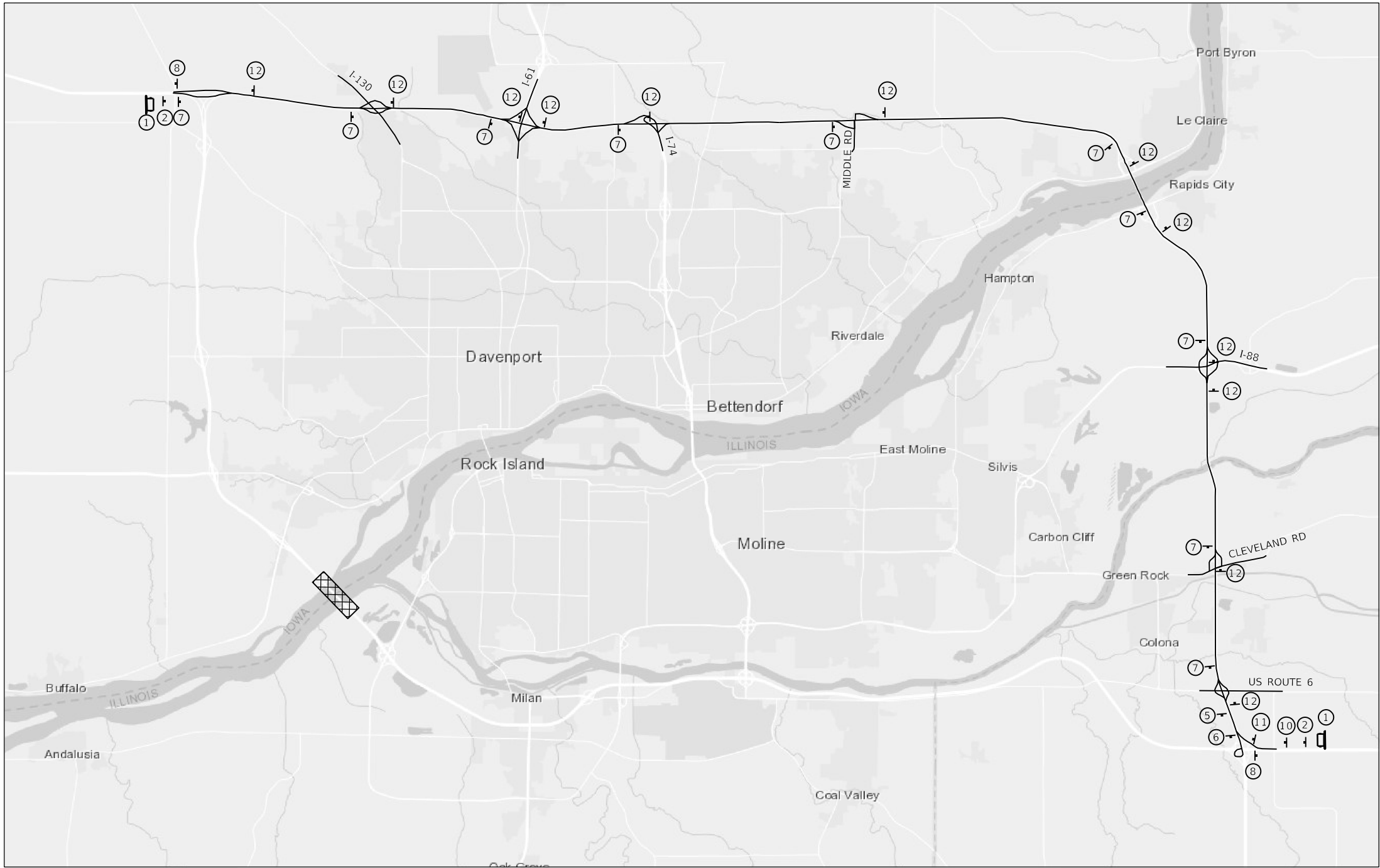
USER NAME = eckay	DESIGNED - SPB	REVISED -
	DRAWN - SPB	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - JIR	REVISED -
PLOT DATE = 10/5/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCAL DETOUR PLAN

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	77
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				



NOTES

- ALL ADVANCED SIGNS APPROACHING THE DETOUR, PRIOR TO THE FIRST EXIT, SHALL REMAIN COVERED UNTIL THE DETOUR ROUTE IS ACTIVATED.
- DETOUR ROUTE SIGNING THAT INDICATES A VEHICLE TURNING NOW OR IN THE FUTURE, REQUIRES TWO DETOUR SIGNS, ONE SIGN PLACED ON EACH SHOULDER.

LEGEND

WORK ZONE

CHANGABLE MESSAGE SIGN

SIGN

① CHANGEABLE MESSAGE SIGN

② W20-2-4848

③ EAST I-280

④ EAST I-280

⑤ EAST I-280

⑥ EAST I-280

⑦ EAST I-280

⑧ WEST I-280

⑨ WEST I-280

⑩ WEST I-280

⑪ WEST I-280

⑫ WEST I-280

⑬ M4-8A-2418

⑭ R11-2-4830

DETOUR ROUTE

① TYPE III BARRICADES WITH FLASHERS PLACED AS SHOWN IN STANDARD 701901.

MODEL: D:\64bit... FILE NAME: 2023-10-10-Detour-Globa1.dgn



USER NAME = eckay	DESIGNED - SPB	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - SPB	REVISED -
PLOT DATE = 10/5/2020	CHECKED - JIR	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GLOBAL DETOUR PLAN

SCALE: 1" = XX' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-18)D&(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	78
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

REVISED ENTIRE SHEET 10/20/20

BENCHMARK

Square cut on top of concrete barrier wall at the beginning of the bridge eastbound on Illinois side of river. Elev. 588.073

EXISTING STRUCTURE

Structure Number 081-0106 was built in 1970 and carries EB & WB Interstate Route 280, over the Mississippi River. The bridge consists of 9 Units (14 spans for the East approach, a tied arch span, and 13 spans for the West approach) with a total length of 4,193'-0" back-to-back of abutments. The superstructure of approach spans consist of a stay in place form reinforced concrete deck supported on welded plate girders. The main 570'-0" tied arch span supports the stay in place form reinforced concrete deck on stringers and floor beams. The abutments are pile bents founded on concrete encased piles and piers are reinforced concrete piers consisting of two column bents founded on a single footing, supported either directly on shale or with steel H piles.

One lane of traffic in each direction shall be maintained utilizing stage construction.

Aluminum handrail to be salvaged.

SCOPE OF WORK

1. Remove existing stay in place formed deck on approach spans and arch span and replace with an 8 3/4" deck (prior to grinding) at the approach spans, and 8 1/4" deck (prior to grinding) within the tied arch span. The profile will be raised to accommodate new 2.00% cross-slope.
2. Install additional shear stud connectors in positive moment areas of existing approach span girders as required.
3. Clean and paint existing structural steel, including bearings, within 10 feet of expansion joints, or as noted. Clean and paint arch ties and the exterior face and bottom flange of fascia girders the entire length of approach spans.
4. Remove existing approach slabs and replace with current standards.
5. Repair existing substructure using formed concrete repair and epoxy crack injection.
6. Replace existing preformed joint sealer within arch and preformed joint and finger plate joints on approach spans with preformed joint strip seal and modular expansion joints.
7. Reconstruct bearing seats at abutments and piers 3, 7, 10, 17, 20 & 24 to accommodate new elastomeric expansion bearings.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications For Highway Bridges, 17th Edition

DESIGN STRESSES

FIELD UNITS (EXISTING CONSTRUCTION)

f'c = 3,500 psi
 fy = 40,000 psi (Reinforcement)
 fy = 36,000 psi (A36 - Units 1, 2, 3, 7, 8 & 9, Cross Fames, Interm. Stiffeners, Long. Stiffeners & End Diaphragms)
 fy = 50,000 psi (A588 - Units 4, 5 & 6)

FIELD UNITS (NEW CONSTRUCTION)

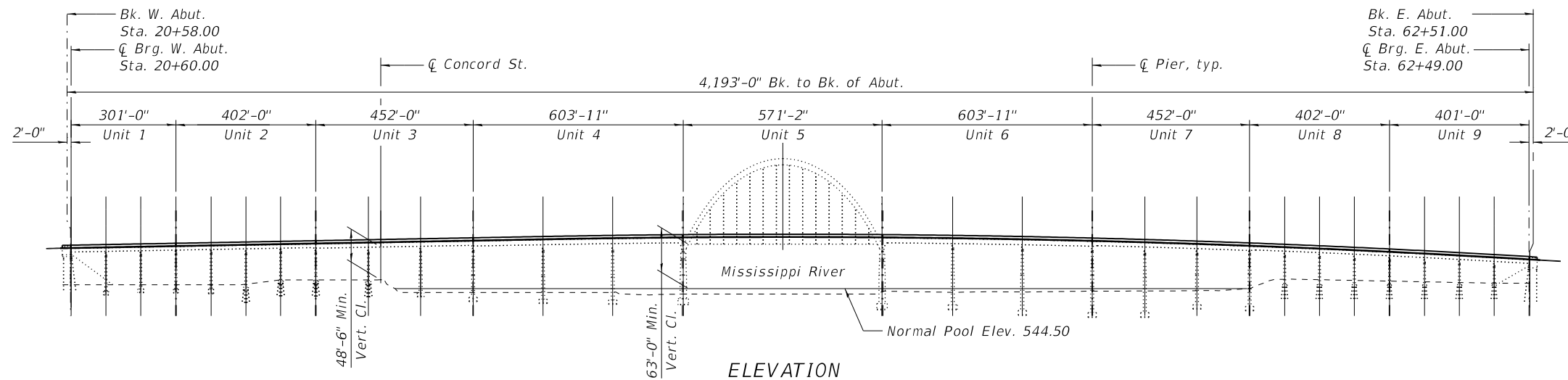
f'c = 4,000 psi (Superstructure)
 f'c = 3,500 psi (Substructure)
 fy = 60,000 psi (Reinforcement)
 fy = 50,000 psi (M270 Grade 50, Elastomeric Bearings)
 fy = 36,000 psi (M270 Grade 36, Structural Steel)

DESIGN LOADING HS20-44 & ALT.

Allow 25#/sq. ft. for future wearing surface.

SEISMIC DATA

Seismic Performance Category (SPC) = A
 Horiz. Bedrock Acceleration Coefficient (A) = 0.033g
 Site Coefficient (S) = 1.0

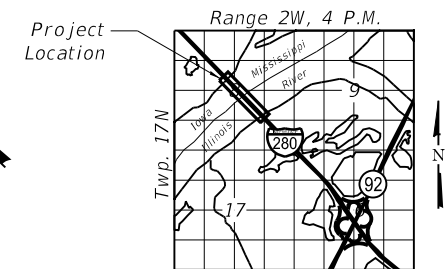
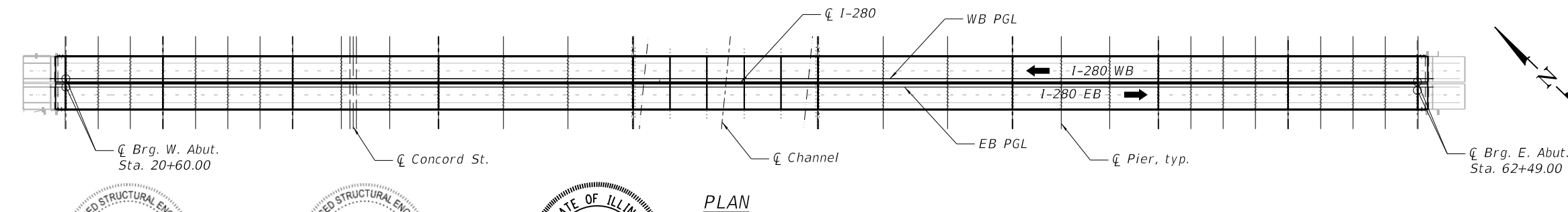


STATION 41+45.00
 RE-BUILT 202_ BY
 STATES OF ILLINOIS AND IOWA
 F.A.I. RT.280 SEC.81-1B,81-1(F&E)&81-1D
 LOADING HS-20 & ALT.
 STRUCTURE NO. 081-0106

NAME PLATE

See Std. 515001

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



DESIGN SCOUR ELEVATION TABLE

Event / Limit	Design Scour Elevations (ft.)										Item 113
	W. Abut.	Pier 1	Pier 2	Pier 3	Pier 4	Pier 5	Pier 6	Pier 7	Pier 8	Pier 9	
Q100	590.45	544.2	545.4	545.2	545.6	545.0	545.6	544.4	550.9	535.1	5
Q200	590.45	543.6	544.9	544.7	545.1	544.6	545.0	543.8	550.6	535.0	
Design	590.45	535.0	538.5	538.0	537.0	542.0	545.6	544.4	550.0	532.5	
	Pier 10	Pier 11	Pier 12	Pier 13	Pier 14	Pier 15	Pier 16	Pier 17	Pier 18	Pier 19	
Q100	526.5	526.2	525.1	521.3	517.1	518.2	521.7	515.6	517.9	526.3	
Q200	526.4	526.1	525.0	521.1	517.0	517.8	521.1	515.0	517.5	526.0	
Design	526.0	525.0	525.0	521.0	514.0	514.0	510.0	503.0	506.0	515.0	
	Pier 20	Pier 21	Pier 22	Pier 23	Pier 24	Pier 25	Pier 26	Pier 27	E. Abut.	-	
Q100	515.7	542.8	544.5	544.5	543.7	546.9	544.7	546.0	574.05		
Q200	515.4	542.2	543.9	543.9	543.1	546.6	544.2	546.7	574.05		
Design	510.5	542.8	544.5	544.5	543.7	546.0	544.7	546.0	574.05		

GENERAL PLAN & ELEVATION

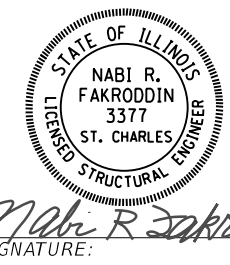
I-280 BRIDGE
OVER THE MISSISSIPPI RIVER
PUBLIC WATER
F.A.I. ROUTE 280
SEC. (81-1B)D & (81-1-1,81-1-2)RS-1
ROCK ISLAND COUNTY
STATION 41+45.00
STRUCTURE NO. 081-0106

MODEL: SHEET
 FILE NAME: 0810106-64F78-001-KEY.dgn

DATE: August 7, 2020
 EXPIRES: November 30, 2020
 SHEETS: S-1 thru S-13, S-15 thru S-45, S-53 thru S-63, S-70 thru S-73, S-81 thru S-85, S-87 thru S-98, S-102 thru S-109, S-114, S-119 thru S-132 & S-134

DATE: August 7, 2020
 EXPIRES: November 30, 2020
 SHEETS: S-14, S-48 thru S-52, S-64 thru S-69, S-74, S-79, S-80, S-86 & S-99 thru S-101

DATE: August 7, 2020
 EXPIRES: November 30, 2020
 SHEETS: S-46, S-47, S-75 thru S-78, S-110 thru S-113, S-115 thru S-118 & S-133



USER NAME = eckay	DESIGNED - ECK	REVISED -
PLOT SCALE = N.T.S.	CHECKED - GEK	REVISED -
PLOT DATE = 10/2/2020	DRAWN - MDW	REVISED -
	CHECKED - ECK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 081-0106

F.A.I. RTE. 280	SECTION (81-1B)B, 81-1(F&E) & 81-1D	COUNTY ROCK ISLAND	TOTAL SHEETS 306	SHEET NO. 84
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

SHEET S-1 OF S-134 SHEETS

REVISD ENTIRE SHEET 10/20/20

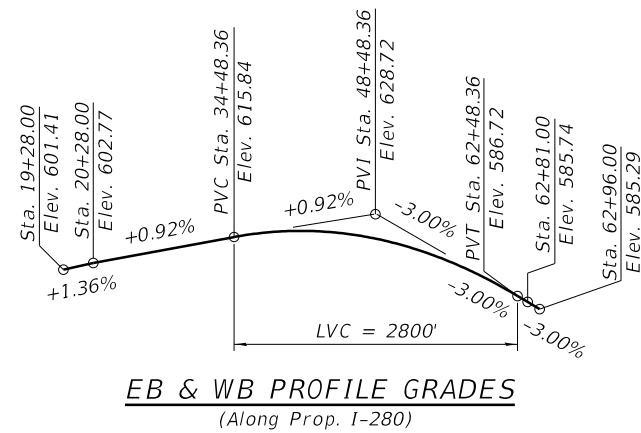
GENERAL NOTES

- Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized bolts. Bolts 3/4 in. O, holes 13/16 in. O, unless otherwise noted.
 - Calculated weight of Structural Steel = 9,090 Lbs. (M270 Grade 36)
 - No field welding is permitted except as specified in the contract documents.
 - Reinforcement bars designated (E) shall be epoxy coated.
 - Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
- As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4 inch deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 - Existing shear studs are shown as based on an 8 1/2" concrete deck as detailed in the original deck plans. The original deck was revised, and was constructed as a ±9% concrete deck with corrugated stay-in-place metal forms. The contractor shall notify the engineer of any deviation from contract plans in regards to number, size, height or spacing of existing shear stud connectors during deck removal, in the event information shown needs to be modified.
 - Care shall be taken when removing concrete above the steel girders in order to avoid damage to the steel girders or existing shear stud connectors. Damage to any part of the existing steel girders or attached steel stud connectors shall be repaired or replaced at the Contractor's expense and at no additional cost to the Department.

- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to the designated areas of abutment bearing seats and backwalls (including abutment hatch block on backwalls) and top of pier caps above expansion joints.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- All new structural steel shall be shop painted with an inorganic zinc rich primer per AASHTO M 300, Type 1. Cost included with Structural Steel.
- Cleaning and painting of the existing and new structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All steel within the "Limits of Painting" as shown on the plans, shall be cleaned per Near White Blast Cleaning (SSPC-SP10). The exterior surfaces and bottom flange of fascia beams and arch tie girders shall be cleaned per Commercial Grade Power Tool Cleaning (SSPC-SP15).

The designated areas cleaned Near White Blast Cleaning (SSPC-SP10) and per Commercial Grade Power Tool Cleaning (SSPC-SP15) shall be painted according to the requirements of paint system 1-0Z/E/U. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Blue, Munsell No. 10B 3/6.

- The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
- The Contractor shall submit calculations and details demonstrating the structural integrity of the bridge is maintained under the additional imposed loads of the containment system, Safespan or platform. See special provisions.
- The Contractor shall notify the US Coast Guard (USCG) when placing Safespan or a platform beneath girders.
- SSPC QP1 and QP2 Contractor Certifications required for this Contract.
- Up to 1/4 inch may be ground off the bridge deck and the bridge approach slabs.

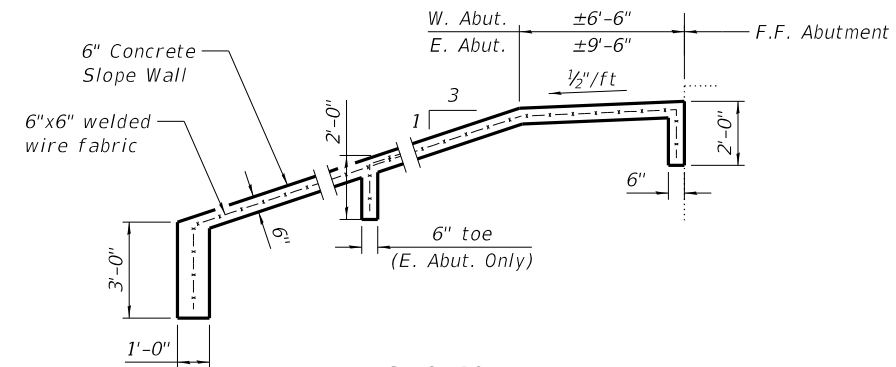


EB & WB PROFILE GRADES
(Along Prop. I-280)

The profile grade shows the final elevations after grinding.

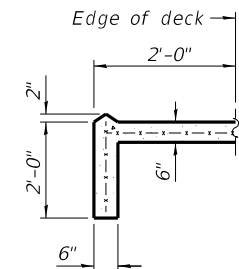
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	-	26.1	26.1
Removal Of Existing Concrete Deck No. 1	Each	1	-	1
Protective Shield	Sq. Yd.	6,132	-	6,132
Structure Excavation	Cu. Yd.	-	25	25
Concrete Structures	Cu. Yd.	-	125.1	125.1
Concrete Superstructure	Cu. Yd.	12,611.9	-	12,611.9
Protective Coat	Sq. Yd.	45,310	-	45,310
Concrete Superstructure (Approach Slab)	Cu. Yd.	237.0	-	237.0
Stud Shear Connectors	Each	17,450	-	17,450
Reinforcement Bars, Epoxy Coated	Pound	3,162,100	22,360	3,184,460
Bar Splicers	Each	388	80	468
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	576	-	576
Elastomeric Bearing Assembly, Type I	Each	110	-	110
Elastomeric Bearing Assembly, Type II	Each	30	-	30
Anchor Bolts, 1"	Each	160	-	160
Anchor Bolts, 1 1/2"	Each	120	-	120
Granular Backfill For Structures	Cu. Yd.	-	25	25
Concrete Sealer	Sq. Ft.	-	8,900	8,900
Epoxy Crack Injection	Foot	-	154	154
Falcon Protection	Each	1	-	1
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	22,659	-	22,659
Jack And Remove Existing Bearings	Each	140	-	140
Jack And Reposition Bearings	Each	1	-	1
Structural Steel Repair	Pound	9,830	-	9,830
Bridge Handrail Removal	Foot	8,382	-	8,382
Containment And Disposal Of Lead Paint Cleaning Residues No. 1	L. Sum	1	-	1
Cleaning And Painting Steel Bridge No. 1	L. Sum	1	-	1
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.	-	892	892
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	-	914	914
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	100	-	100
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	100	-	100
Deck Slab Repair (Partial)	Sq. Yd.	1,000	-	1,000
Drainage Scuppers, DS-11	Each	82	-	82
Diamond Grinding (Bridge Section)	Sq. Yd.	33,156	-	33,156
Modular Expansion Joint 6"	Foot	492	-	492
Modular Expansion Joint 9"	Foot	82	-	82
Slope Wall Repair	Sq. Yd.	-	571	571



SECTION A-A

Slope wall shall be reinforced with welded wire fabric, 6 in x 6 in - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.



SECTION B-B

MODEL: SHEET
FILE NAME: 0810106-64F78-006-GEN.dgn



USER NAME = eckay	DESIGNED - ECK	REVISED -
PLOT SCALE = N.T.S.	CHECKED - GEK	REVISED -
PLOT DATE = 10/2/2020	DRAWN - MDW	REVISED -
	CHECKED - ECK	REVISED -

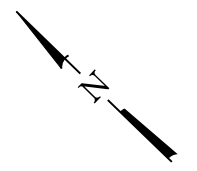
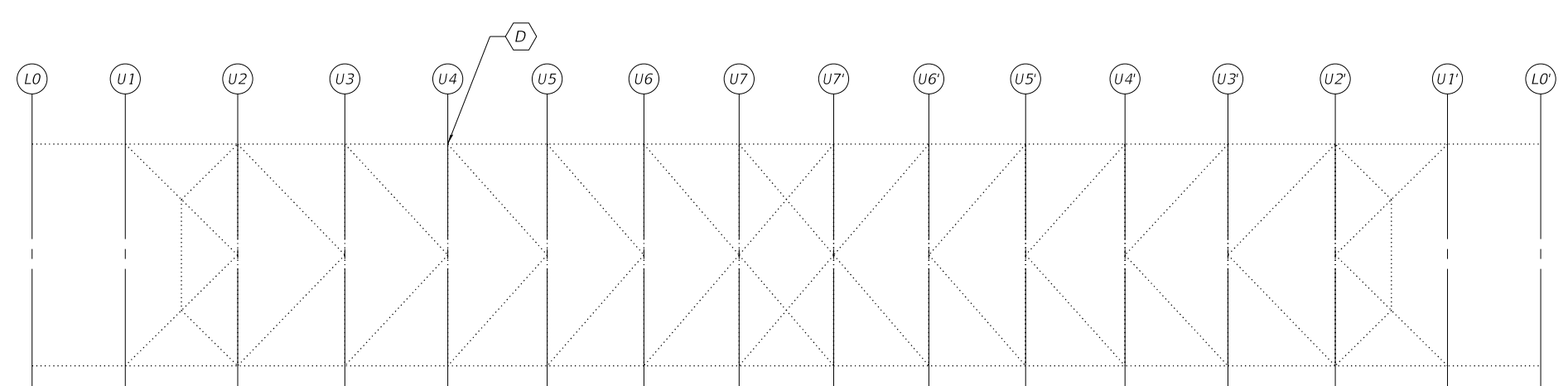
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES & TOTAL BILL OF MATERIAL
STRUCTURE NO. 081-0106**

SHEET S-6 OF S-134 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B)B, 81-1(F&E) & 81-1D	ROCK ISLAND	306	89
CONTRACT NO. 64F78				

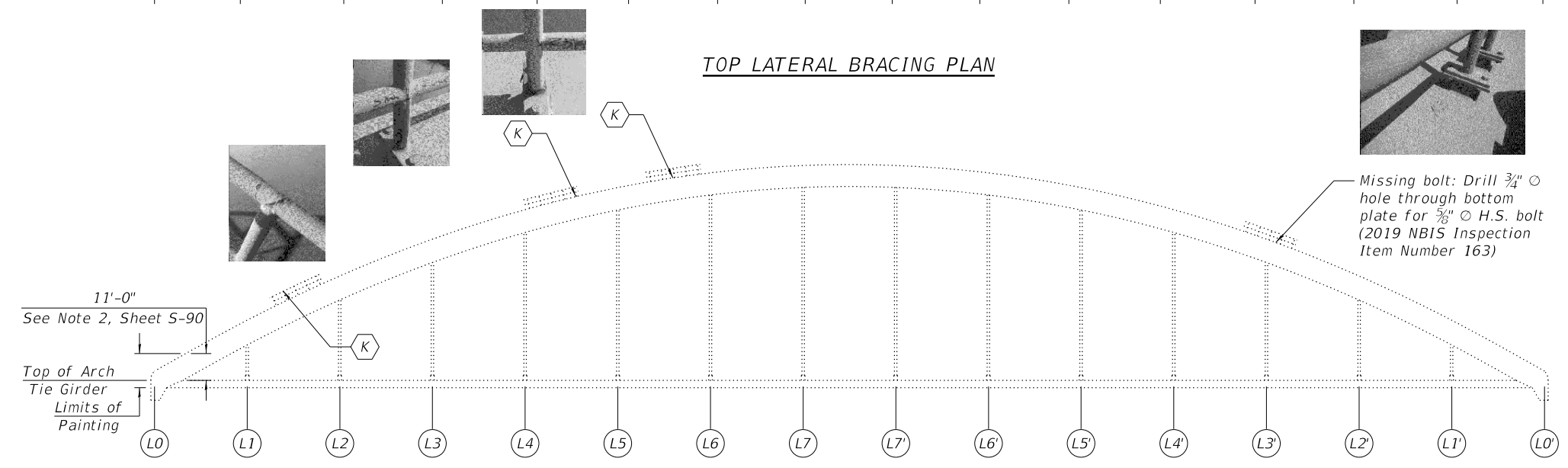
ILLINOIS FED. AID PROJECT



LEGEND

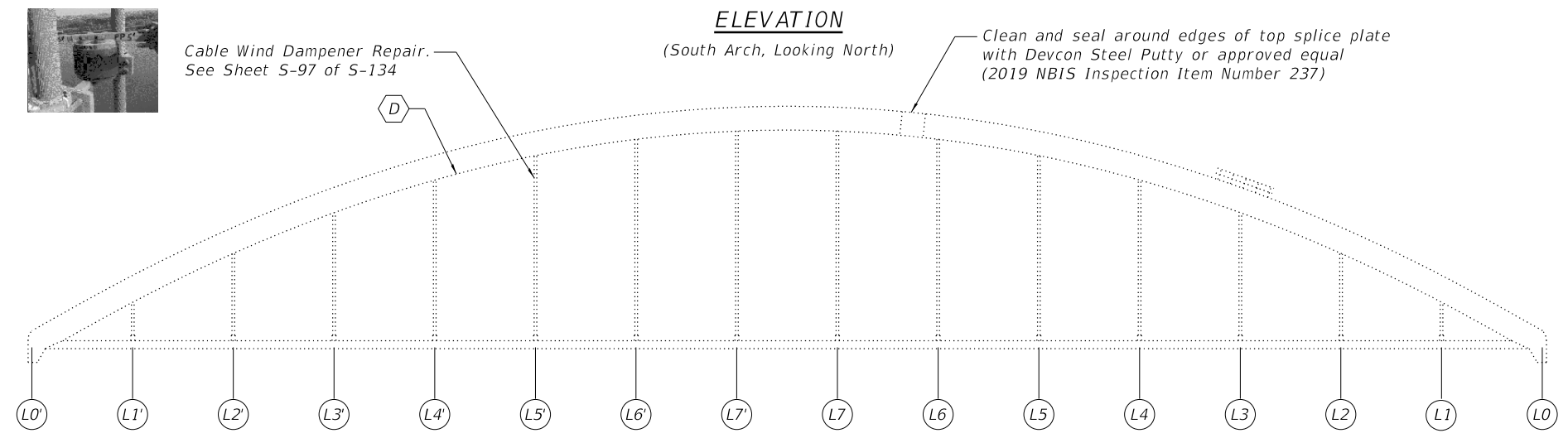
ITEM	WORK
A	End Cross-frame Repair, see Sheet S-95 of S-134.
B	Girder End Repair, see Sheet S-94 of S-134.
C	Stiffener Repair, see Sheet S-95 of S-134.
D	Bolt Repair, see Bolt Replacement Table, Sheet S-95 of S-134.
E	Girder Flange Repair, see Sheet S-96 of S-134.
F	Shoulder Bolt Repair, see Sheet S-97 of S-134.
G	Anchor Bolt Repair, see Sheet S-97 of S-134.
H	Reset Bearing, see Sheet S-97 of S-134.
J	Diaphragm Repair, see Sheet S-95 of S-134.
K	Handrail Repair, see Sheet S-97 of S-134.

TOP LATERAL BRACING PLAN



ELEVATION

(South Arch, Looking North)



ELEVATION

(North Arch, Looking South)

NOTES:

1. See sheet S-90 of S-134 for additional notes.

MODEL: SHEET
FILE NAME: 0810106-64F78-093-STLPLN4



USER NAME = eckay	DESIGNED - GEK	REVISED -
CHECKED - ECK	REVISIONS -	
PLOT SCALE = N.T.S.	DRAWN - JAB	REVISED -
PLOT DATE = 10/2/2020	CHECKED - ECK	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STEEL REPAIR PLAN & ELEVATION
STRUCTURE NO. 081-0106**

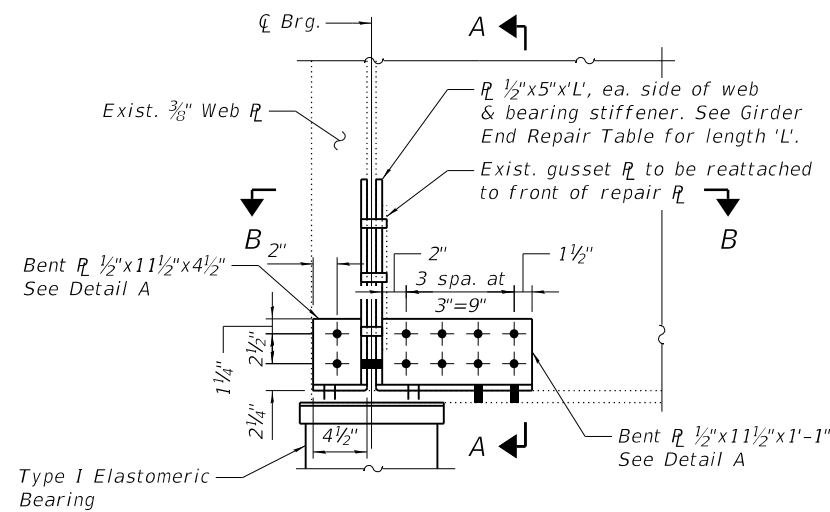
SHEET S-93 OF S-134 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B)B, 81-1(F&E) & 81-1D	ROCK ISLAND	306	176
CONTRACT NO. 64F78				

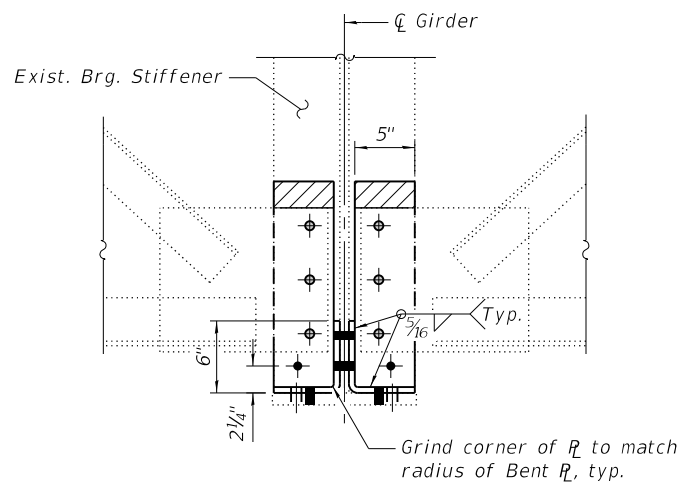
ILLINOIS FED. AID PROJECT

GIRDER END REPAIR TABLE

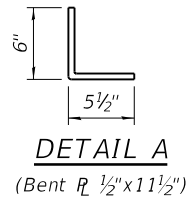
2019 NBIS Insp. No.	Pier	Span	Girder	Exist. Brg. Stiffener Dimensions	Exist. Bottom Flange Dimensions	Repair	'L'
233	7	7	C	5/8" x 5 1/2"	1" x 12"	A	1'-6 7/8"
139	7	7	G	5/8" x 5 1/2"	1" x 12"	A	1'-6 7/8"
142	7	8	E	3/4" x 7 1/2"	7/8" x 16"	B	1'-3 1/2"
146	7	8	J	3/4" x 7 1/2"	7/8" x 16"	B	5 1/2"
-	10	10	A	3/4" x 7 1/2"	7/8" x 16"	B	5 1/2"
147	10	10	B	3/4" x 7 1/2"	7/8" x 16"	B	5 1/2"
150	10	10	E	3/4" x 7 1/2"	7/8" x 16"	B	1'-3 1/2"
156	10	11	D	7/8" x 7 1/2"	1" x 16"	B	1'-6 7/8"
157	10	11	E	7/8" x 7 1/2"	1" x 16"	B	1'-3 1/2"
171	17	17	G	7/8" x 7 1/2"	1" x 16"	B	1'-6 7/8"
172	17	17	J	7/8" x 7 1/2"	1" x 16"	B	5 1/2"
173	17	17	K	7/8" x 7 1/2"	1" x 16"	B	5 1/2"



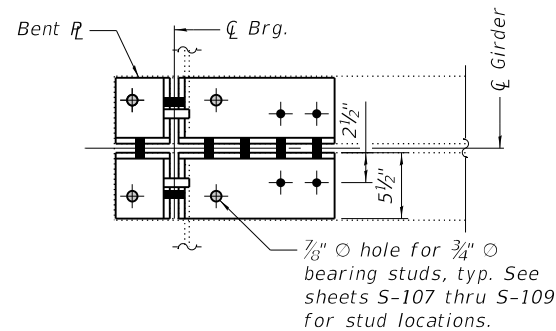
REPAIR A
(No. Req'd. = 2)



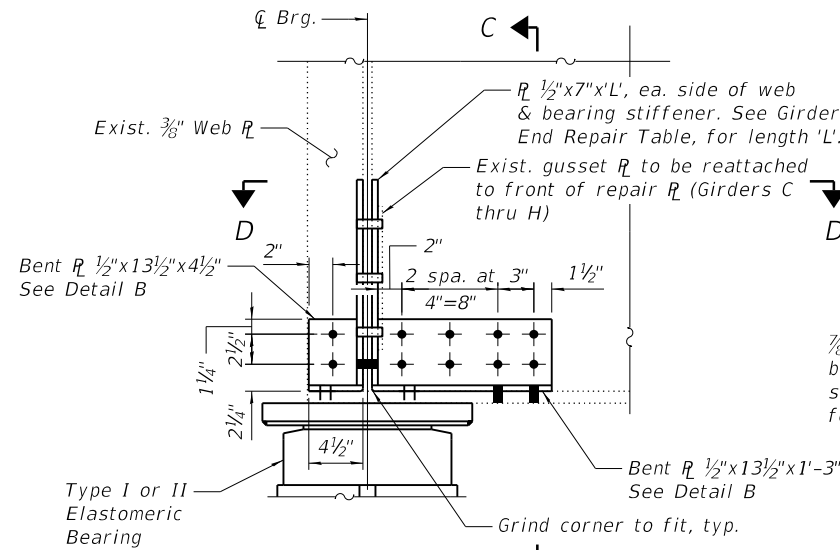
SECTION A-A



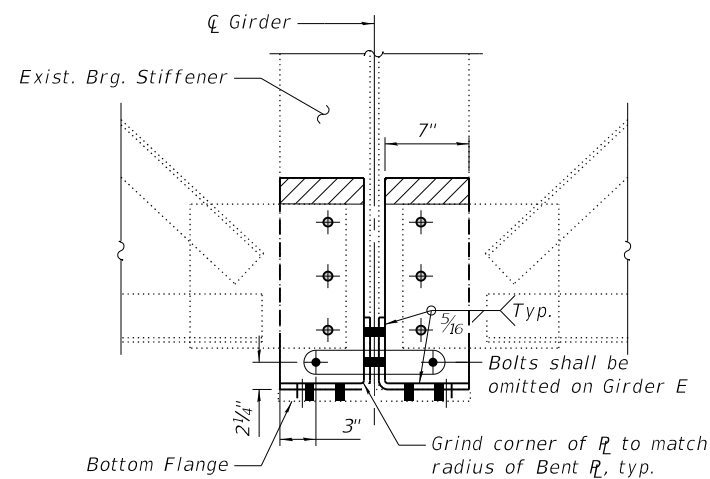
DETAIL A
(Bent R 1/2" x 11 1/2")



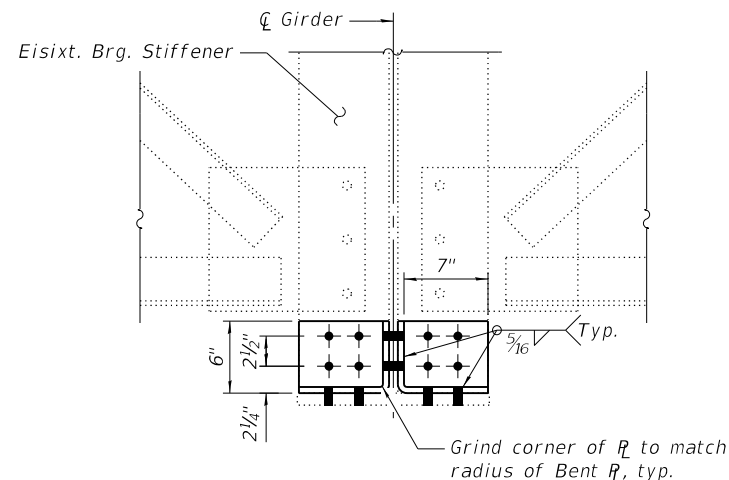
SECTION B-B



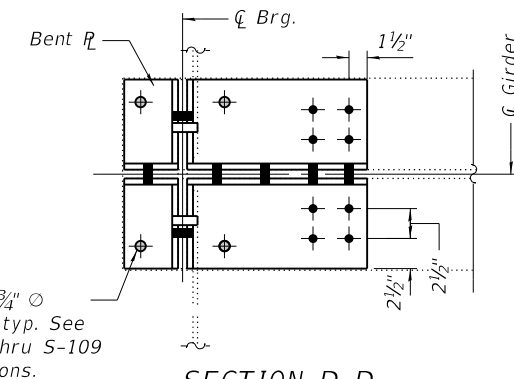
REPAIR B
(No. Req'd. = 10)



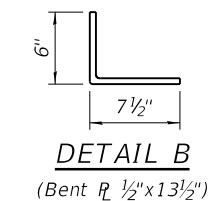
SECTION C-C
(Girders C thru H)



SECTION C-C
(Girders A, B, J & K)



SECTION D-D



DETAIL B
(Bent R 1/2" x 13 1/2")

NOTES:

- All structural steel shall conform to AASHTO classification M270 Grade 36 unless noted otherwise.
- Cost of field drilling, removal and re-installation of all members necessary to complete the work, as detailed on the plans and as specified in the Special Provisions, shall be included with cost of "Structural Steel Repair".
- Fasteners shall be high strength bolts. Bolts 3/4" O, open holes 13/16" O, unless otherwise noted.
- All work and materials associated with repairs detailed on sheets S-90 thru S-97 of S-134 and as specified in the Special Provisions, except as noted otherwise, shall be included with the cost of "Structural Steel Repair".
- See sheet S-90 of S-134 for painting notes.

LEGEND

- Areas to be trimmed to match top of connector R. Cut properly, grind, and paint.
- Hole to be field drilled in existing steel using new steel as template.
- Hole to be field drilled in new steel using existing holes as template.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	1,720

MODEL: SHEET
FILE NAME: 0810106-64F78-094-5TLREP1



USER NAME = eckay	DESIGNED - GEK	REVISED -
PLOT SCALE = N.T.S.	CHECKED - ECK	REVISED -
PLOT DATE = 10/2/2020	DRAWN - JAB	REVISED -
	CHECKED - ECK	REVISED -

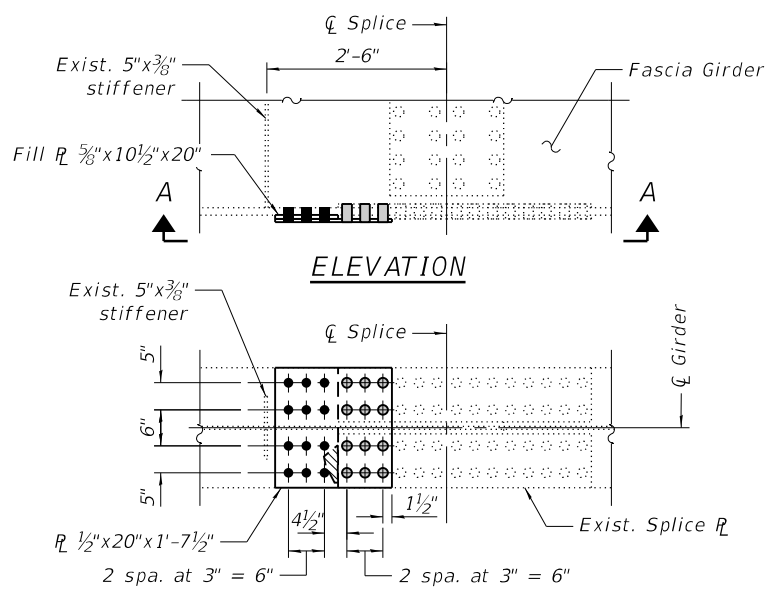
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STEEL REPAIR DETAILS I
STRUCTURE NO. 081-0106**

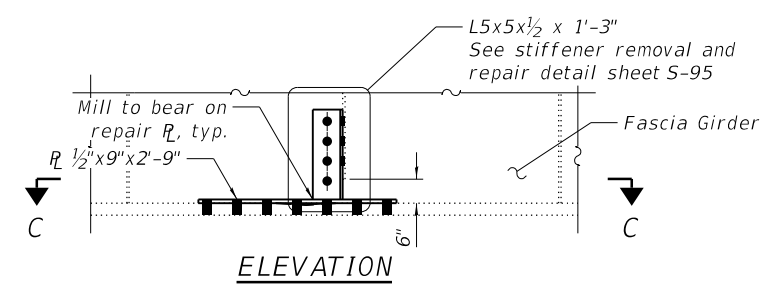
SHEET S-94 OF S-134 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B)B, 81-1(F&E) & 81-1D	ROCK ISLAND	306	177
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

REVISED ENTIRE SHEET 10/20/20

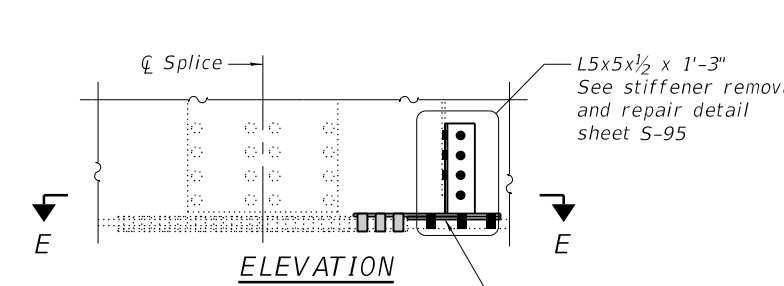


VIEW A-A
TYPE 1



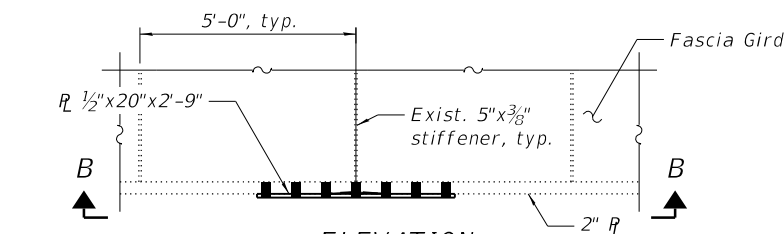
ELEVATION
SECTION C-C

TYPE 3



ELEVATION
SECTION E-E

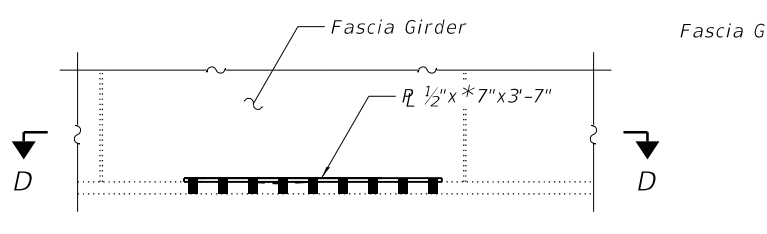
TYPE 5



ELEVATION
VIEW B-B

TYPE 2

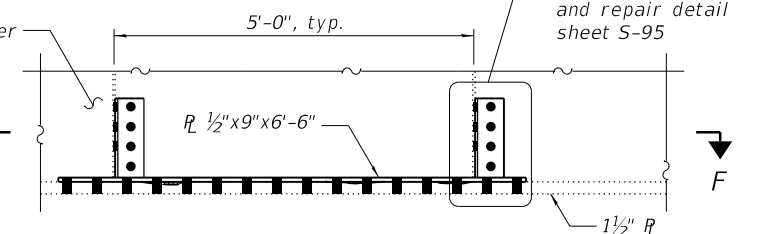
Locate R over damaged area in field so that bolt holes clear exist. stiffener



ELEVATION
SECTION D-D

TYPE 4

* 9" for Span 10
** 5" for Span 10



ELEVATION
SECTION F-F

TYPE 6

- LEGEND**
- Holes to be field drilled in existing steel using new steel as template.
 - Holes to be field drilled in new steel using existing holes as template.
 - ▨ Damaged Area

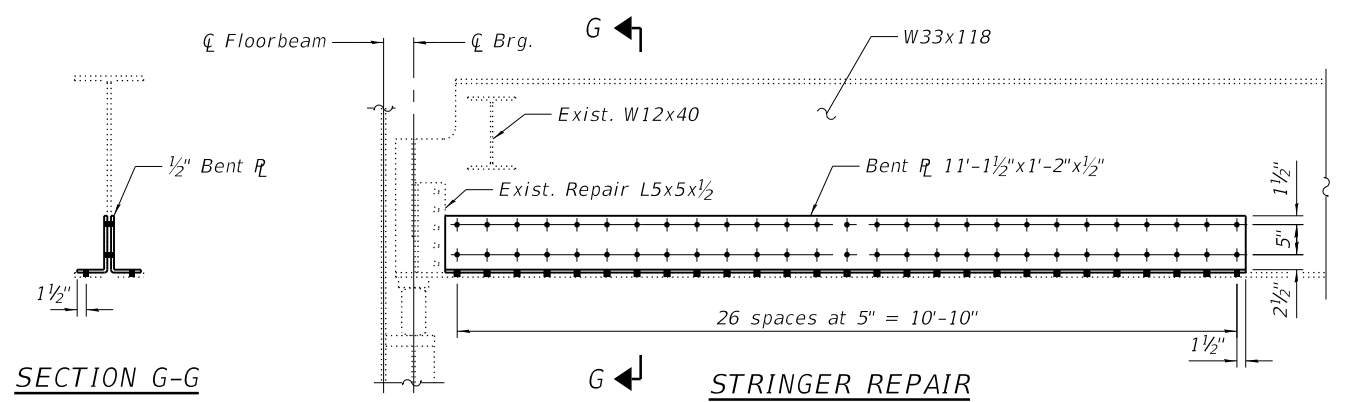
- NOTES:**
- Immediately after cleaning area to be repaired in accordance with the General Notes, apply Devcon putty or approved equal in accordance to manufacturer's specifications in the area of section loss. Level and grind smooth to the surrounding area. Repair areas shall be painted in accordance with the General Notes.
 - Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures". All contact surfaces on this sheet shall be treated as primary connections.
 - See sheet S-94 of S-134 for additional notes.

BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	1,630

BOTTOM FLANGE REPAIR TABLE

2019 NBIS Insp. No.	Span	Girder	Location	Exist. Bottom Flange Dimensions	Repair Type
54	8	A	Splice	20"x1 1/4"	1
91	8	A	Approx. 40' East of Pier 7	20"x2"	2
36	9	K	Approx. 1' East of 6th Stiff from Pier 8	20"x1 1/4"	3
219	10	K	Btwn. 5th & 6th Stiff. from Pier 10	20"x1 3/8"	4
62	11	K	10th Stiff. from Pier 11	20"x1 1/2"	5
64	12	K	1st Splice East of Pier 11	20"x1"	5
160	12	A	1st Splice West of Pier 12	20"x1"	5
98	15	K	Btwn. 8th and 9th Stiff. West of Pier 15	20"x1 1/2"	6
252	25	A	Btwn. 8th and 9th Stiff. East of Pier 24	16"x1 3/8"	4
215	28	K	Btwn. 8th and 9th Stiff. West of East. Abut.	16"x1 3/8"	4



SECTION G-G

STRINGER REPAIR

Floorbeam 3', Stringer S4
(2020 NBIS Inspection Item Number 272)

MODEL: SHEET
FILE NAME: 0810106-64F78-096-STLREP3



USER NAME = eckay
DESIGNED - GEK
CHECKED - ECK
PLOT SCALE = N.T.S.
DRAWN - JAB
PLOT DATE = 10/2/2020
CHECKED - ECK
REVISED -

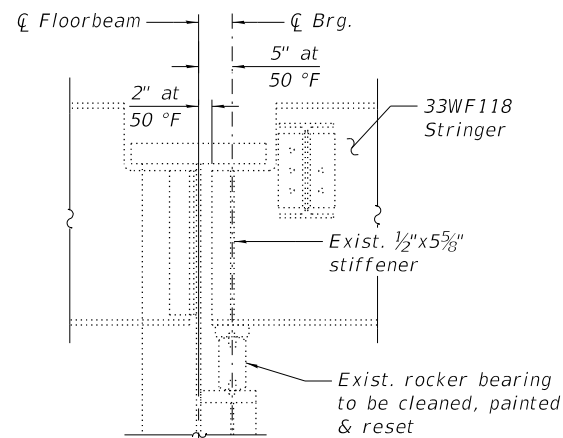
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL REPAIR DETAILS III
STRUCTURE NO. 081-0106

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B)B, 81-1(F&E) & 81-1D	ROCK ISLAND	306	179

CONTRACT NO. 64F78

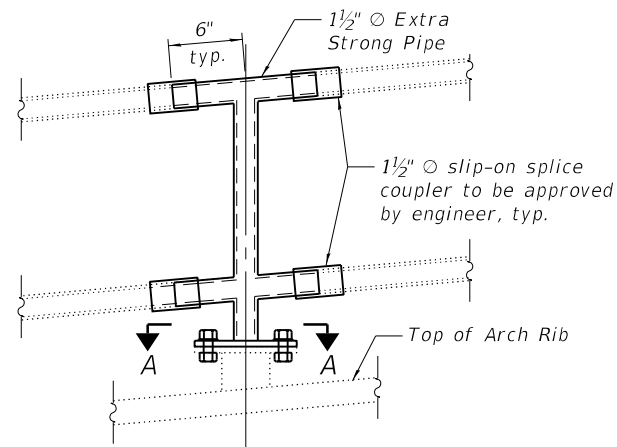
ILLINOIS FED. AID PROJECT
REVISED ENTIRE SHEET 10/20/20



BEARING RESET DETAIL

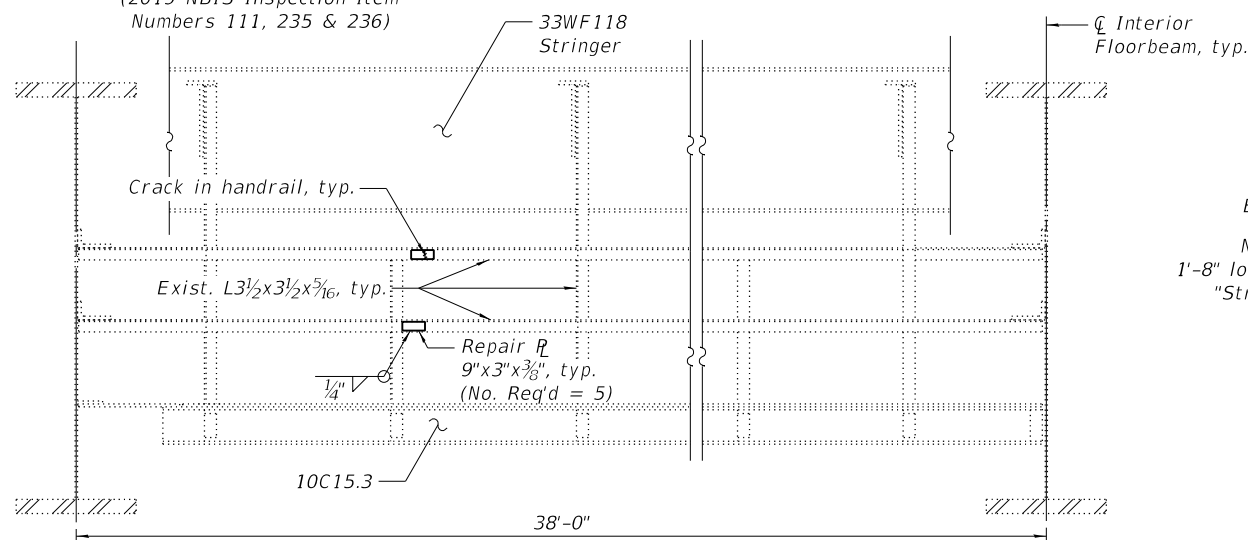
Floorbeam 3', Stringer S1
(2019 NBIS Inspection Item Number 223)

Jacking Load = 2.5 kips
Service girder self-weight reaction shown with the deck removed. The contractor shall design and place jacking system to reposition the specified bearing for the stated beam reaction and as required in the special provisions.



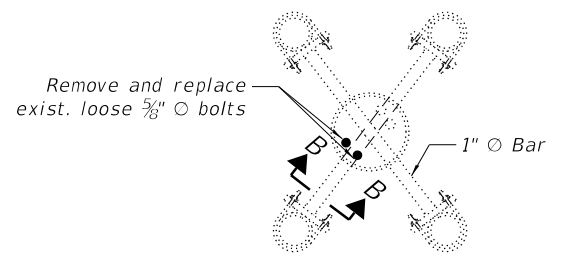
K - ARCH HANDRAIL REPAIR

No. Req'd = 3
(2019 NBIS Inspection Item Numbers 111, 235 & 236)



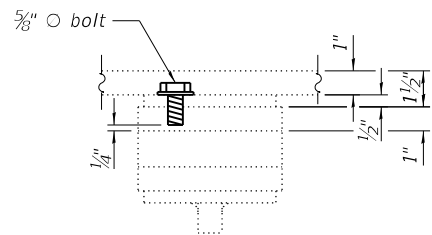
K - INSPECTION WALKWAY HANDRAIL REPAIR

See sheet S-91 of S-134 for repair locations
(2019 NBIS Inspection Item Numbers 239 & 242)



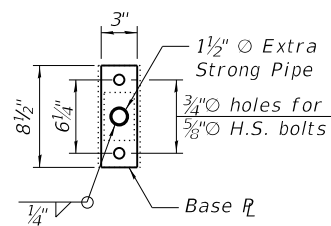
CABLE DAMPENR DETAIL

(2019 NBIS Inspection Item Number 240)

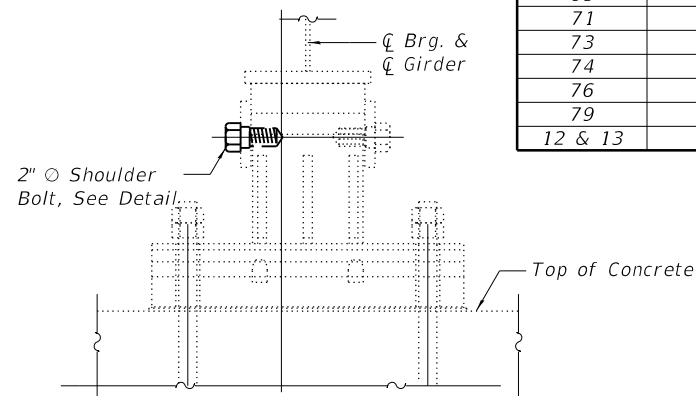


SECTION B-B

For damaged handrail locations, see Sheet S-93. Replace damaged posts and/or sections of handrails as needed with $1 1/2"$ ϕ Extra Strong Pipe, typ. Paint repaired areas in accordance with the General Notes.



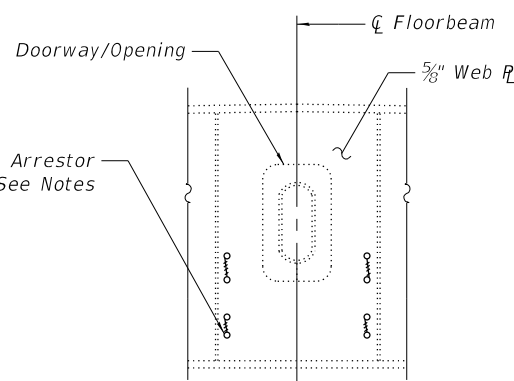
SECTION A-A



SHOULDER BOLT REPAIR

(Pier 12, No. Req'd = 6)

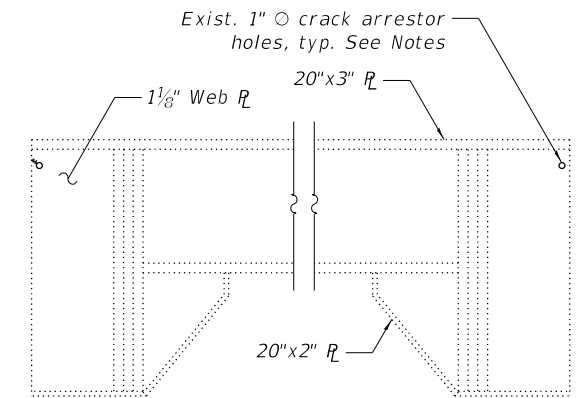
2019 NBIS Insp. No.	Girder	Repair Location
257	C	South Bolt
258	D	Both Bolts
37	F	South Bolt
259	G	Both Bolts



FLOORBEAM PARTIAL ELEVATION

(FB1, FB2, FB4, FB6, FB7, FB7' & FB4')

2019 NBIS Insp. No.	Floorbeam (FB) No.	No. of Cracks	No. of Holes
9 & 10	0	3	3
67	1	2	4
68	2	2	6
71	4	1	4
73	6	1	2
74	7	2	4
76	7'	2	4
79	4'	2	4
12 & 13	0'	2	2



FLOORBEAM ELEVATION

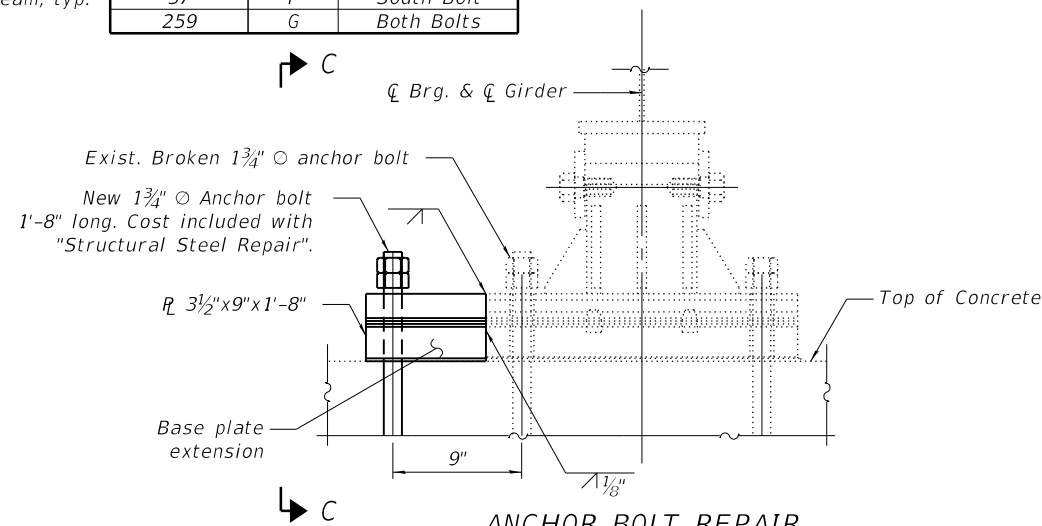
(FB0 & FB0')

NOTES:

- Contractor shall verify that there is no further crack growth at ends of arrestor holes.
- Exist. $3/4"$ ϕ holes shall be reamed to $13/16"$ ϕ and filled with $3/4"$ ϕ bolts (No. Req'd = 28).
- Exist. $1"$ ϕ holes shall be reamed to $1 1/16"$ ϕ and filled with $1"$ ϕ bolts (No. Req'd = 5).
- See sheet S-94 of S-134 for additional notes.

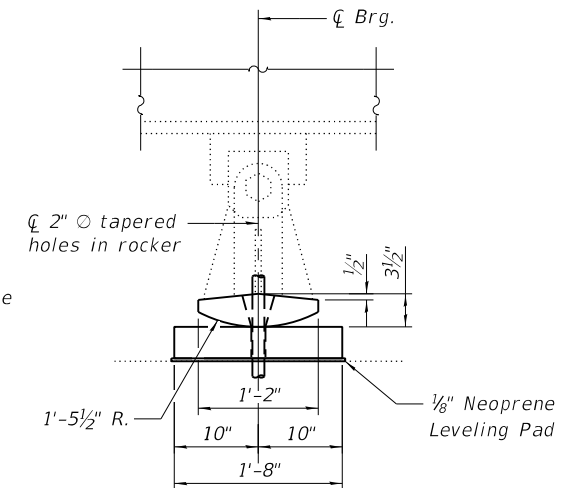
BILL OF MATERIAL

Item	Unit	Total
Structural Steel Repair	Pound	440
Jack and Reposition Bearings	Each	1



ANCHOR BOLT REPAIR

Pier 13, Girder F
(2019 NBIS Inspection Item Number 260)



VIEW C-C

MODEL: SHEET
FILE NAME: 0810106-64F78-097-5TLREP4



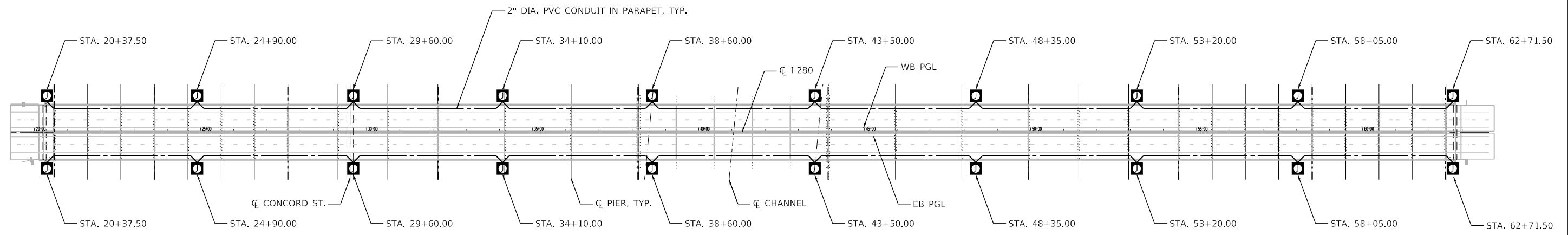
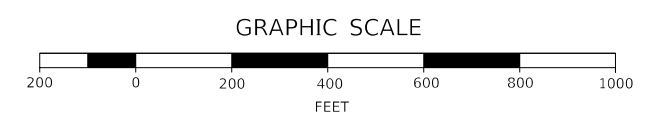
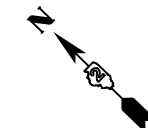
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PLOT SCALE = N.T.S.	CHECKED - ECK	REVISED -
PLOT DATE = 10/2/2020	DRAWN - JAB	REVISED -
	CHECKED - ECK	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL REPAIR DETAILS IV
STRUCTURE NO. 081-0106

SHEET S-97 OF S-134 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B)B, 81-1(F&E) & 81-1D	ROCK ISLAND	306	180
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

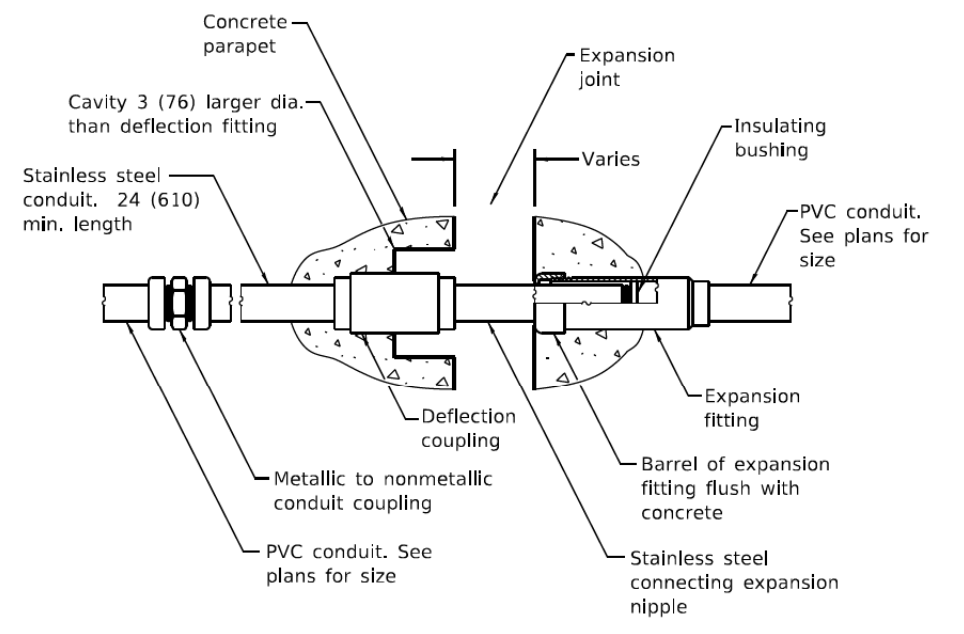


SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL
CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	8,468
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"x12"x6"	EACH	20

LEGEND

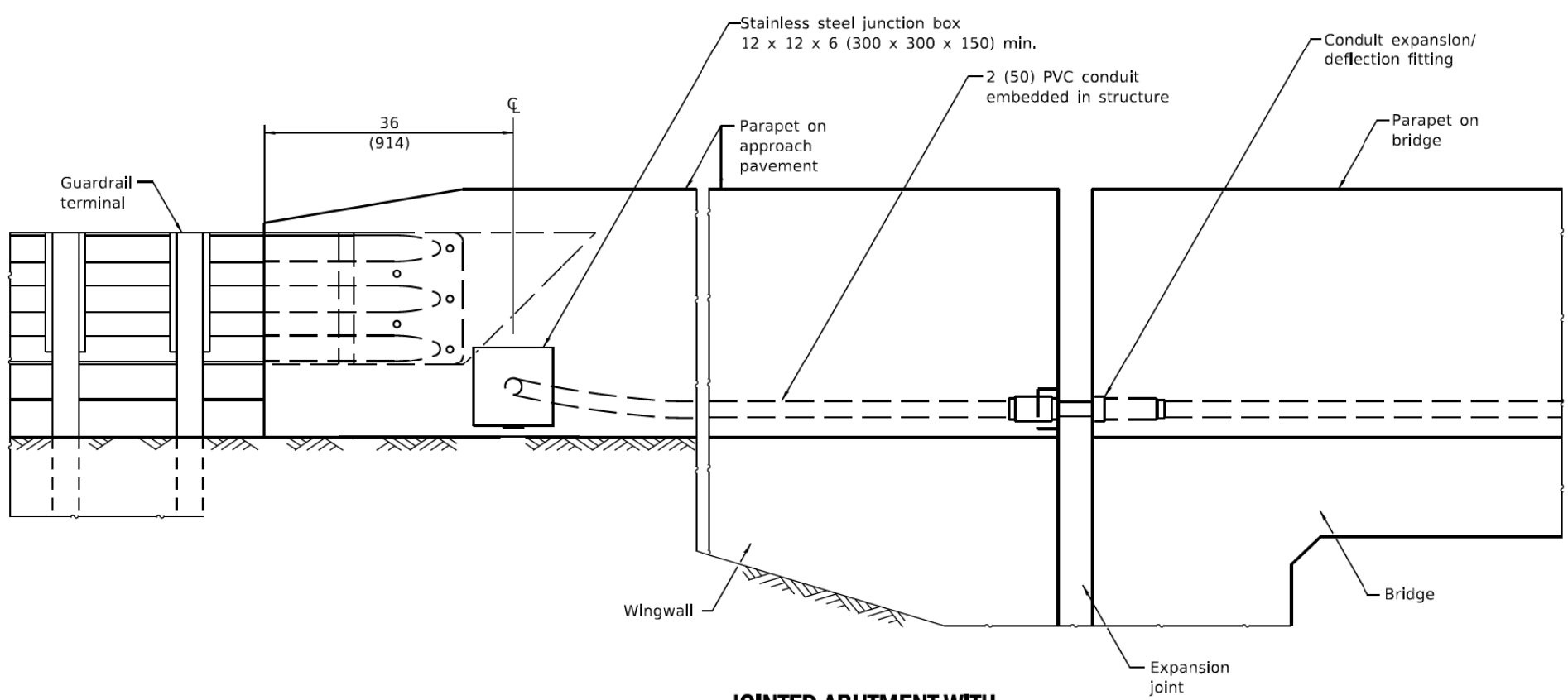
12"x12"x6" NEMA 4X, STAINLESS STEEL JUNCTION BOX



COMBINATION EXPANSION/ DEFLECTION FITTING

NOTES:

1. THE CONTRACTOR SHALL INSTALL A CONDUIT EXPANSION/DEFLECTION COUPLING AT THE JOINTS IN THE CONCRETE PARAPET ON THE BRIDGE CAPABLE OF ACCEPTING THE LONGITUDINAL MOVEMENT. THE METALLIC PARTS OF THE COUPLING SHALL BE MADE OF STAINLESS STEEL OR AS APPROVED BY ENGINEER. THE COST OF THE COUPLINGS SHALL BE INCIDENTAL TO THE CONDUIT SYSTEM.
2. THE BARREL IN THE EXPANSION FITTING SHALL BE FULLY EMBEDDED IN THE CONCRETE ON THE OTHER SIDE OF THE EXPANSION JOINT.
3. ONE HALF OF THE LENGTH OF THE DEFLECTION FITTING SHALL BE EMBEDDED IN THE CONCRETE ON THE OTHER SIDE OF THE EXPANSION JOINT. A CAVITY OPENING 3" LARGER THAN THE DIAMETER OF THE DEFLECTION SLEEVE LENGTH SHALL BE PROVIDED TO ENSURE PROPER PERFORMANCE OF THE COUPLING.
4. CAREFUL ATTENTION TO JOINT MOVEMENT OVER A RANGE OF TEMPERATURES SHALL BE COORDINATED WITH THE SELECTION AND INSTALLATION OF THE COUPLING TO ENDURE THE RANGE OF MOVEMENT OF THE COUPLING IS NOT EXCEEDED AT THE TEMPERATURE EXTREMES.
5. THE CONTRACTOR SHALL INSTALL COUPLINGS AT ALL BRIDGE EXPANSIONS JOINTS AND SHALL BE RESPONSIBLE FOR DETERMINING THE PROPER NUMBER OF COUPLINGS REQUIRED.
6. THE CONTRACTOR SHALL COORDINATE THE FINAL LOCATIONS OF JUNCTION BOXES WITH THE ENGINEER.
7. A NYLON ROPE SHALL BE INSTALLED THROUGHOUT BOTH LINES OF CONDUIT. THE PRICE OF THE NYLON ROPE WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE PRICE OF CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC.



JOINTED ABUTMENT WITH PARAPET ON APPROACH PAVEMENT

MODEL SHEET
 FILE NAME: 906234-SUB-LIGHT-01.dwg



USER NAME = eckay	DESIGNED - ECK	REVISED -
PLOT SCALE = N.T.S. in.	DRAWN - JAB	REVISED -
PLOT DATE = 10/5/2020	CHECKED -	REVISED -
	DATE -	REVISED -

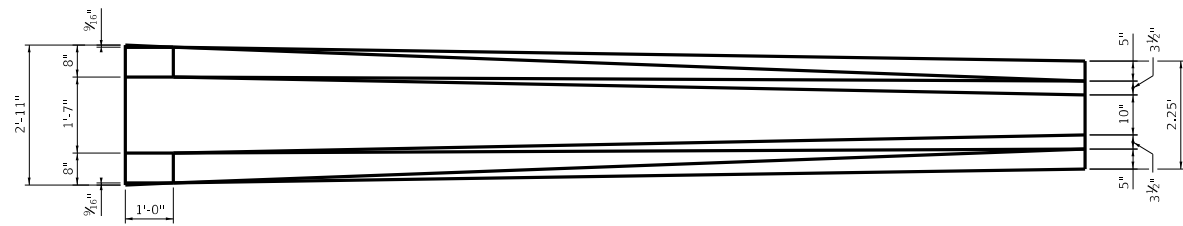
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CONDUIT PLAN AND DETAILS

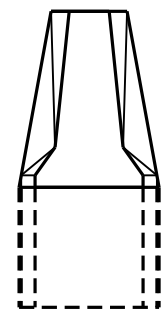
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. 19+34.50 TO STA. 63+74.50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	(81-1B)D&G(81-1-1,81-1-2)RS-1	ROCK ISLAND	306	218
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

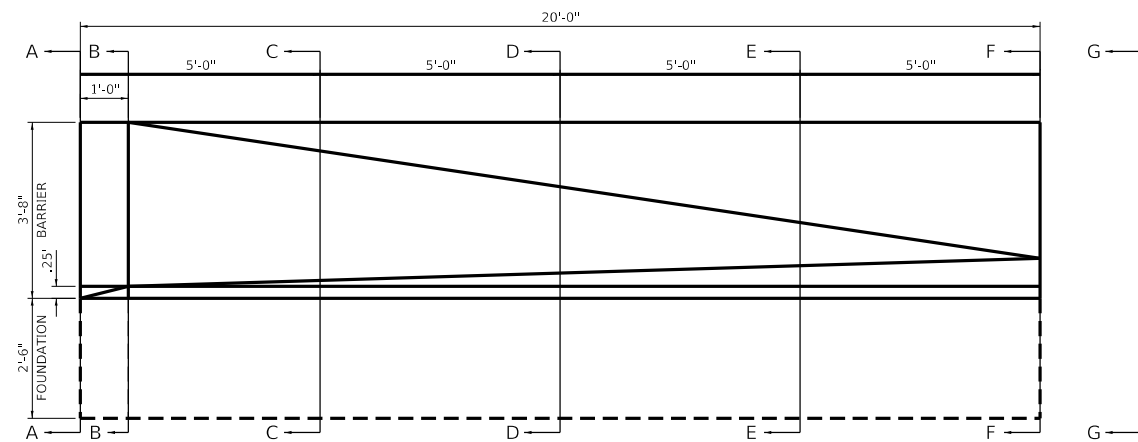
REVISED ENTIRE SHEET 10/20/20



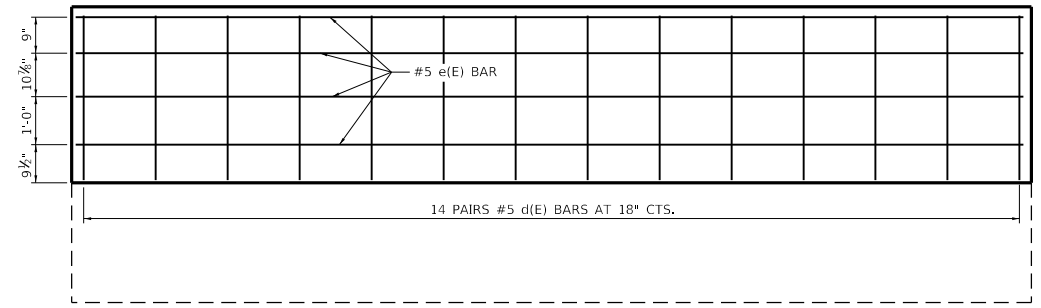
MEDIAN BARRIER TRANSITION - TOP VIEW



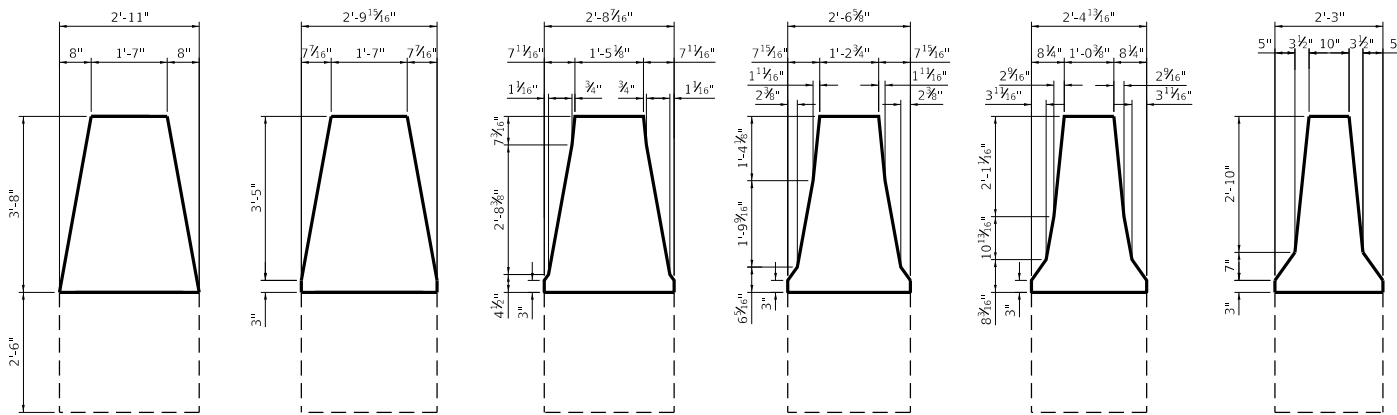
VIEW G-G



MEDIAN BARRIER TRANSITION - ELEVATION



MEDIAN BARRIER TRANSITION - REINFORCEMENT



SECTION A-A

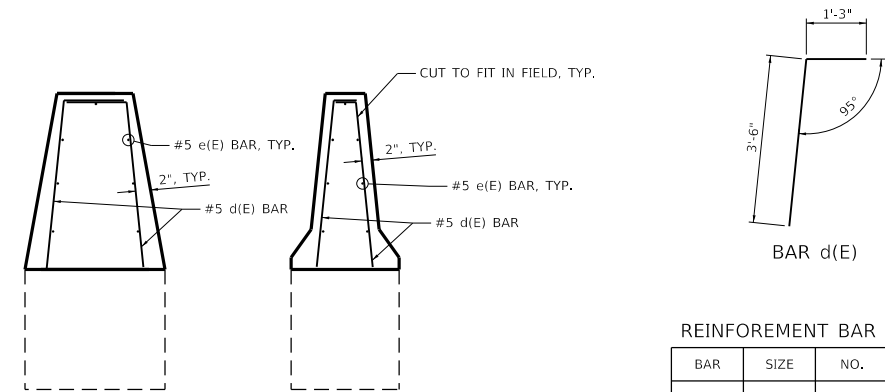
SECTION B-B

SECTION C-C

SECTION D-D

SECTION E-E

SECTION F-F



BAR d(E)

REINFORCEMENT BAR TABLE

BAR	SIZE	NO.	LENGTH
d(E)	#5	28	4'-9"
e(E)	#5	7	19'-6"

MODEL: D:\64bit... FILE: 88624-intBarrierTransition



USER NAME = eckay	DESIGNED -	REVISED -
PLOT SCALE = N.T.S. / in.	DRAWN -	REVISED -
PLOT DATE = 10/5/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BARRIER TRANSITION DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
(81-18)D&G(81-1-1,81-1-2)RS-1		ROCK ISLAND	306	224
CONTRACT NO. 64F78				
ILLINOIS FED. AID PROJECT				

1 REVISED ENTIRE SHEET 10/20/20

