

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	1
		ILLINOIS	CONTRACT NO. 72L67	

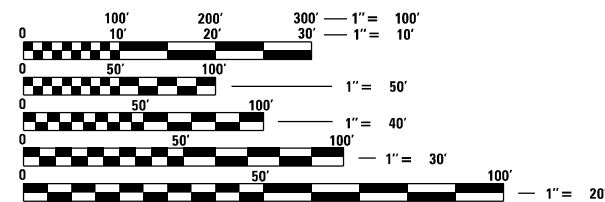
INDEX OF SHEETS

03-05-2021 LETTING ITEM 082

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STANDARDS

000001-08	701401-12	725001-01
001001-02	701402-12	780001-05
542401-04	701406-12	781001-04
610001-09	701411-09	782006-01
630001-12	701421-08	
631031-17	701426-09	
642001-02	701428-01	
701101-05	701451-05	
701106-02	701901-08	
701400-10	704001-08	



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

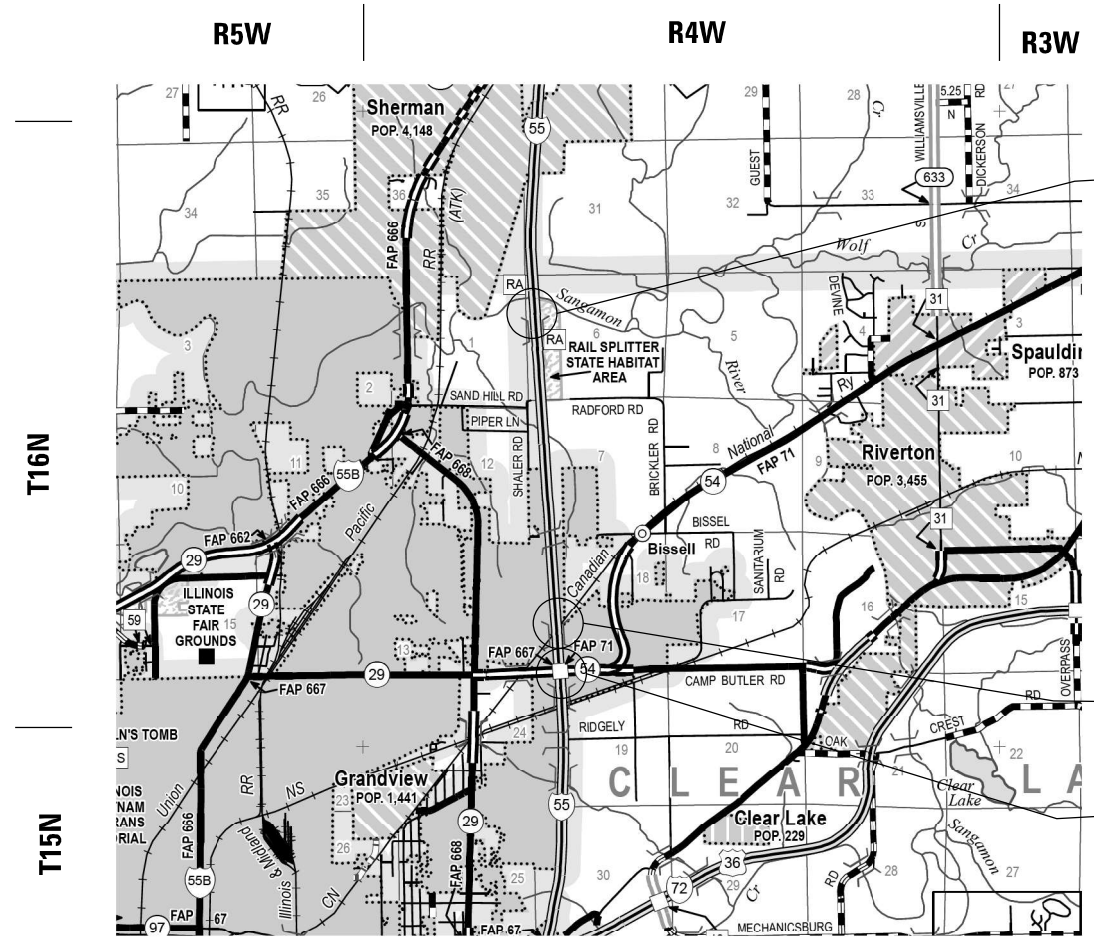
PROJECT ENGINEER: JAY EDWARDS (217)785-0597
PROJECT MANAGER: FILIBERTO SOTELO (217)524-0946
JONATHAN COX (217)782-1378
CONTRACT NO. 72L67

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAI 55 (I-55)
SECTION (84-2)BDR,(84-2-2)BDR-1
PROJECT NHPP-QDQF(941)
BRIDGE DECK OVERLAY, BRIDGE DECK REPAIR
SANGAMON COUNTY

C-96-054-20

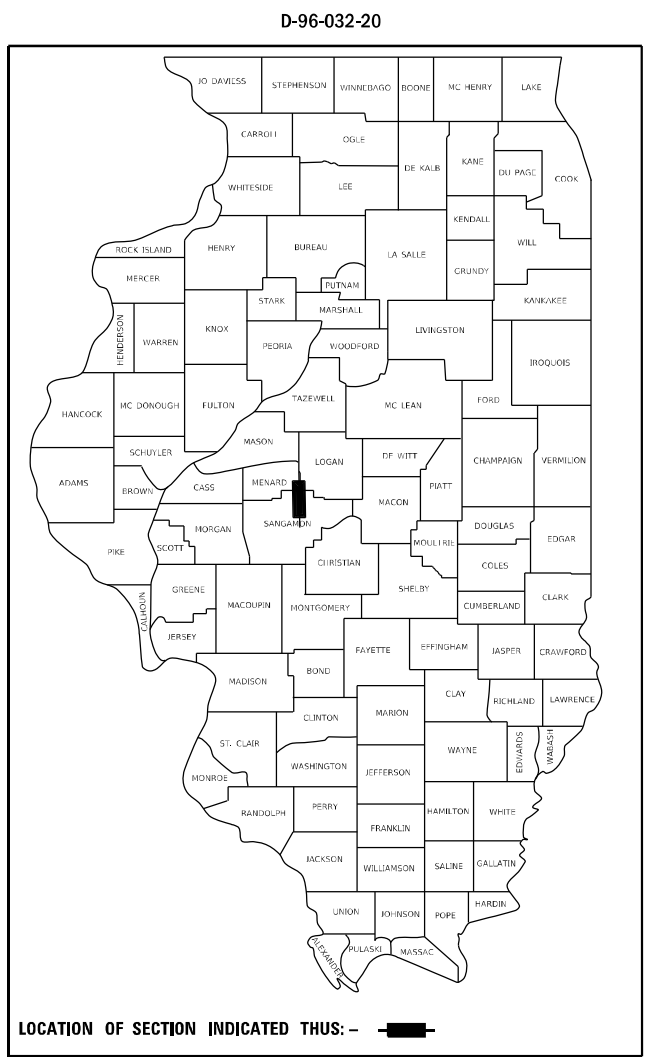


SN 084-0018
SN 084-0019
STA 456+62.5 TO STA 467+87.5

SN 084-0016
SN 084-0017
STA 592+13.8 TO STA 595+26

SN 084-0014
SN 084-0015
STA 608+00 TO STA 610+40.2

GROSS LENGTH = 560 FT. = 0.106 MILE
NET LENGTH = 560 FT. = 0.106 MILE



FUNCTIONAL CLASSIFICATION
RURAL INTERSTATE
2019 ADT = 32,600
P.V. = 76.8% S.U. = 3.0% M.U. = 20.2%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED December 18, 2020
Jay P. Myers REGIONAL ENGINEER
January 29, 2021
Jonathan Cox ENGINEER OF DESIGN AND ENVIRONMENT
January 29, 2021
James J. ... DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

90% FED
10% STATE

084-0014 & 0015 084-0016 & 0017 084-0018 & 0019

PPS: 6-00597-0000 PPS: 6-00597-0100

CODE			TOTAL	BRIDGE	BRIDGE	BRIDGE
				0059	0059	0059
				URBAN	URBAN	URBAN
28100105	STONE RIPRAP, CLASS A3	SQ YD	60		60	
28200200	FILTER FABRIC	SQ YD	60		60	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6054	2151	3170	733
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2893	1562	1331	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	1505	747	758	
40600990	TEMPORARY RAMP	SQ YD	297	147	150	
40604174	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90	TON	580	237	343	
44000155	HMA SURFACE REMOVAL, 1 1/2'	SQ YD	2518	890		1628
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	16	6	10	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	704	220	347	137
50102400	CONCRETE REMOVAL	CU YD	69.4	26.7	42.7	
50157300	PROTECTIVE SHIELD	SQ YD	3763	2334	1429	
50104650	SLOPE WALL REMOVAL	SQ YD	7		7	
50300255	CONCRETE SUPERSTRUCTURE	CU YD	69.2	26.5	42.7	
50300300	PROTECTIVE COAT	SQ YD	7665	3697	3968	
X5870015	BRIDGE DECK CONCRETE SEALER	SQ FT	11250			11250

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 PROJECT: 084-0014 & 0015
 OFFICE: DISTRICT 8
 SHEET: 084-0014 & 0015-001

REV. - MS

USER NAME = EDWARDSJD DESIGNED - DRAWN - PLOT SCALE = 100.0000' / in. CHECKED - PLOT DATE = 12/18/2020 DATE -	REVISED - REVISED - REVISED + REVISED +	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.	F.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 55 (84-2)BDR,(84-2-2)BDR-1 SANGAMON 94 3 ILLINOIS FED. AID PROJECT
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CODE	DESCRIPTION	UNIT	TOTAL	90% FED 10% STATE			
				084-0014 & 0015	084-0016 & 0017	084-0018 & 0019	
				PPS: 6-00597-0000		PPS: 6-00597-0100	
				BRIDGE 0059 URBAN	BRIDGE 0059 URBAN	BRIDGE 0059 URBAN	
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1		0.34	0.33	0.33
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1		0.5	0.5	
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1		1		
70106700	TEMPORARY RUMBLE STRIPS	EACH	4				4
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	637		196		441
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1		0.5	0.5	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1522		413	371	738
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	507		137	124	246
70400100	TEMPORARY CONCRETE BARRIER	FOOT	4776		984	1032	2760
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	4308		768	780	2760
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6		2	2	2
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6		2	2	2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	5		3	2	
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	30120		8402	6694	15024
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	3459		905	1489	1065

* SPECIALTY ITEM

REV. - MS

USER NAME = EDWARDSJD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -									55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	5
PLOT DATE = 12/18/2020	CHECKED -	REVISED +	SCALE:				SHEET 3 OF 5 SHEETS STA.				TO STA.				
DATE -	REVISED -	REVISED +	ILLINOIS FED. AID PROJECT CONTRACT NO. 72L67												

90% FED
10% STATE

084-0014 & 0015 084-0016 & 0017 084-0018 & 0019
PPS: 6-00597-0000 PPS: 6-00597-0100

CODE			TOTAL	BRIDGE	BRIDGE	BRIDGE
				0059	0059	0059
				URBAN	URBAN	URBAN
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	3013	1579	1434	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	165	41	46	78
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	43	17	26	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	165	41	46	78
X0325349	TEMPORARY CONCRETE BARRIER (TO REMAIN PERMANENTLY)	FOOT	3504		3504	
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	5898	1407	1410	3081
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	5196	2880	2316	
X6026108	INLETS TO BE RECONSTRUCTED WITH NEW FRAME AND GRATE, SPECIAL	EACH	8	4	4	
X7040650	REMOVE TEMPORARY CONCRETE BARRIER	FOOT	7000	3500	3500	
Z0010615	CLEANING EXISTING INLETS	EACH	2	2		
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	7301	3640	3661	
Z0012166	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 3/4"	SQ YD	7301	3640	3661	
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	188	84	104	
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	1286	15	21	1250

* SPECIALTY ITEM

REV. - MS

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	6
			CONTRACT NO. 72L67	
ILLINOIS FED. AID PROJECT				

90% FED
10% STATE

CODE			TOTAL	084-0014 & 0015	084-0016 & 0017	084-0018 & 0019
				PPS: 6-00597-0000		PPS: 6-00597-0100
				BRIDGE	BRIDGE	BRIDGE
				0059	0059	0059
				URBAN	URBAN	URBAN
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	1250			1250
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	104		104	
Z0016702	DETOUR SIGNING	L SUM	1	1		
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	7144	3597	3547	
Z0032500	JOINT SEALING (PATCHES)	FOOT	1624	210	164	1250
∅ Z0076600	TRAINEES	HOUR	3000	3000		
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1	
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	3000	3000		
Z0065730	SLOPE WALL SLURRY PUMPING	CU YD	244	54	190	

∅ 0042

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REV. - MS

USER NAME = EDWARDSJD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	7
PLOT DATE = 12/18/2020	CHECKED -	REVISED +		SCALE:	SHEET 5	OF 5	SHEETS	STA.	TO STA.	CONTRACT NO. 72L67	
DATE -	REVISED +			ILLINOIS FED. AID PROJECT							

HMA SCHEDULE								
LOCATION					40604174	48203100	40600290	
			SHOULDER AREA	SURFACE COURSE AREA	POLY HMA SURFACE COURSE. 1L 9.5 MIX"E", N90	HOT-MIX ASPHALT SHOULDERS	BITUMINOUS MATERIALS (TACK COAT)	
			SQ YD	SQ YD	TONS	TONS	POUNDS	
SN 084-0016								
STA	590+70.0	TO	592+81.5	889.0	581.4	57.0	87.1	661.7
STA	595+26.0	TO	597+30.0	716.4	662.6	64.9	70.2	620.5
SN 084-0017								
STA	594+55.3	TO	597+70.0	897.5	815.7	79.9	88.0	770.9
STA	589+70.0	TO	592+13.8	1038.6	1443.1	141.4	101.8	1116.8
SN 084-0014								
STA	606+30.0	TO	608+00.0	575.4	745.1	73.0	56.4	594.2
STA	611+00.0	TO	611+70.0	138.0	454.4	44.5	13.5	266.6
SN 084-0015								
STA	606+30.0	TO	608+01.5	651.7	682.6	66.9	63.9	600.4
STA	611+00.0	TO	611+70.0	111.5	528.9	51.8	10.9	288.2
TOTAL				5018	5914	580	492	4919

RUMBLESTRIP REMOVAL AND REPLACEMENT SCHEDULE								
LOCATION					44000155	48203100	40600290	64200116
			HMA SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SHOULDERS	BITUMINOUS MATERIALS (TACK COAT)	SHOULDER RUMBLE STRIPS, 16 INCHES		
			SQ YD	TONS	POUNDS	FOOT		
I-55 NB								
STA	451+38.0	TO	456+38.0	OUTSIDE	166.7	14.0	75.0	500.0
STA	453+50.0	TO	456+63.0	INSIDE	104.3	8.8	47.0	313.0
STA	467+87.0	TO	470+37.0	INSIDE	83.3	7.0	37.5	250.0
STA	482+00.0	TO	488+72.0	OUTSIDE	224.0	18.8	100.8	672.0
STA	600+00.0	TO	604+50.0	OUTSIDE	150.0	12.6	67.5	450.0
STA	612+50.0	TO	617+53.0	OUTSIDE	167.7	14.1	75.5	503.0
I-55 SB								
STA	435+78.0	TO	456+38.0	OUTSIDE	686.7	57.7	309.0	2060.0
STA	453+00.0	TO	456+63.0	INSIDE	121.0	10.2	54.5	363.0
STA	467+87.0	TO	473+12.0	OUTSIDE	175.0	14.7	78.8	525.0
STA	467+87.0	TO	469+87.0	INSIDE	66.7	5.6	30.0	200.0
STA	586+40.0	TO	593+00.0	OUTSIDE	220.0	18.5	99.0	660.0
STA	599+25.0	TO	606+10.0	OUTSIDE	228.3	19.2	102.8	685.0
STA	613+80.0	TO	617+53.0	OUTSIDE	124.3	10.4	56.0	373.0
TOTAL					2518	212	1133	7554

Note: HMA surface removal was calculated with a 3 ft strip from EOP and includes the rumblestrip

AGGREGATE WEDGE SHOULDERS TYPE B							
LOCATION			LENGTH	WIDTH	AREA	48102100	
						AGGREGATE WEDGE SHOULDERS, TYPE B	
						TON	
I-55 NB							
STA	589+69.00	TO	591+74.00	205	2	1.27	2.02
STA	594+14.00	TO	597+70.00	356	2	2.20	3.52
STA	606+30.00	TO	608+01.50	171.5	2	1.06	1.69
STA	611+00.0	TO	611+70.0	167.8	2	1.04	1.66
I-55 SB							
STA	590+66.00	TO	593+25.00	259	2	1.60	2.56
STA	595+65.00	TO	597+21.00	156	2	0.96	1.54
STA	606+30.00	TO	608+00.00	170	2	1.05	1.68
STA	611+00.0	TO	611+70.0	169.4	2	1.05	1.67
TOTAL							16

PAVEMENT REMOVAL SCHEDULE						
LOCATION					40600982	40600985
			HMA SURFACE REMOVAL - BUTT JOINT	PCC SURFACE REMOVAL - BUTT JOINT		
			SQ YD	SQ YD		
I-55 NB						
STA	589+69	TO	590+39	309.6	185.1	
STA	597+00	TO	597+70	416.1	190.6	
STA	606+30	TO	607+00	342.2	186.7	
STA	611+00	TO	611+70	427.8	186.7	
I-55 SB						
STA	590+66	TO	591+36	265.2	189.8	
STA	556+51	TO	557+21	339.9	192.9	
STA	606+30	TO	607+00	436.3	186.7	
STA	611+00	TO	611+70	355.4	186.7	
TOTAL				2893	1505	

TEMPORARY RAMP SCHEDULE	
40600990	
LOCATION	TEMPORARY RAMP
SQ YD	
STAGE 1	
SN 084-0014	38.2
SN 084-0015	38.2
SN 084-0016	35.3
SN 084-0017	44.9
STAGE 2	
SN 084-0014	35.0
SN 084-0015	35.0
SN 084-0016	35.0
SN 084-0017	35.0
TOTAL	297

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 1/28/2021	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	8
				CONTRACT NO. 72L67
		ILLINOIS	FED. AID PROJECT	

PAVEMENT MARKING SCHEDULE

LOCATION	70300100		70300150		78009005			78009005		78009008		X0327980
	SHORT TERM PAVEMENT MARKING		SHORT TERM PAVEMENT MARKING REMOVAL		MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (WHITE)	MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (YELLOW)	MODIFIED URETHANE PAVEMENT MARKING - LINE 5" (YELLOW SD)	MODIFIED URETHANE PAVEMENT MARKING - LINE 8" (WHITE)	MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (WHITE)	MODIFIED URETHANE PAVEMENT MARKING - LINE 12" (YELLOW)	PAVEMENT MARKING REMOVAL - WATER BLASTING	
	FOOT		SQ FT		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
I-55 NB												
STA	451+38.0	TO	470+00.0	186.2	62.1	1862.0	1862.0	465.5			CHEVRONS	775.8
STA	470+00.0	TO	485+72.0	157.2	52.4		1572.0	393.0				655.0
STA	476+41.0	TO	481+79.0						538.0			224.2
STA	584+35.0	TO	587+00.0	26.5	8.8	265.0	265.0	66.3				110.4
STA	587+00.0	TO	599+91.0	129.1	43.0		1291.0	322.8				537.9
STA	594+27.0	TO	599+91.0						564.0			235.0
STA	599+91.0	TO	605+79.0	58.8	19.6	588.0	588.0	147.0				245.0
STA	604+68.0	TO	605+79.0						111.0			46.3
STA	605+79.0	TO	612+31.0	65.2	21.7		652.0	163.0				271.7
STA	611+11.0	TO	612+31.0						120.0			50.0
STA	612+31.0	TO	618+13.0	58.2	19.4	582.0	582.0	145.5				242.5
I-55 SB												
STA	435+78.0	TO	470+00.0	342.2	114.1	3422.0	3422.0	855.5				1425.8
STA	582+65.0	TO	618+49.0							2868.0		
STA	585+10.0	TO	594+27.0	91.7	30.6	917.0	917.0	229.3				211.3
STA	594+27.0	TO	599+34.0	50.7	16.9		507.0	126.8				82.1
STA	597+37.0	TO	599+34.0						197.0			82.1
STA	599+34.0	TO	607+35.0	80.1	26.7	801.0	801.0	200.3				47.9
STA	606+20.0	TO	607+35.0						115.0			270.4
STA	607+35.0	TO	613+84.0	64.9	21.6		649.0	162.3				53.3
STA	612+56.0	TO	613+84.0						128.0			
STA	613+84.0	TO	618+13.0	42.9	14.3	429.0	429.0	107.3				
RAMP A												
STA	20+50.0	TO	32+20.0			1170.0						
STA	20+50.0	TO	25+77.0	52.7	17.6				527.0			
RAMP B												
STA	14+00.0	TO	26+87.0			1287.0						
STA	14+00.0	TO	19+60.0	56.0	18.7				560.0			233.3
RAMP C												
STA	1+00.0	TO	6+00.0			500.0						
STA	4+32.0	TO	6+00.0	16.8	5.6				168.0			
RAMP D												
STA	+.0	TO	4+62.0			462.0						
STA	3+45.0	TO	4+62.0	11.7	3.9				117.0	70.0		48.8
RAMP E												
STA	11+69.0	TO	14+43.0			274.0						
STA	11+69.0	TO	12+58.0	8.9	3.0				89.0			37.1
RAMP F												
STA	11+36.0	TO	14+43.0			307.0						
STA	11+36.0	TO	12+56.0	12.0	4.0				120.0			50.0
RAMP 6												
STA	+.0	TO	3+33.0			333.0						
STA	3+33.0	TO	4+38.0	10.5	3.5				105.0	75.0		43.8
TOTAL				1522	507	13199	13537	3384	3459	145	2868	5898
							30120			3013		

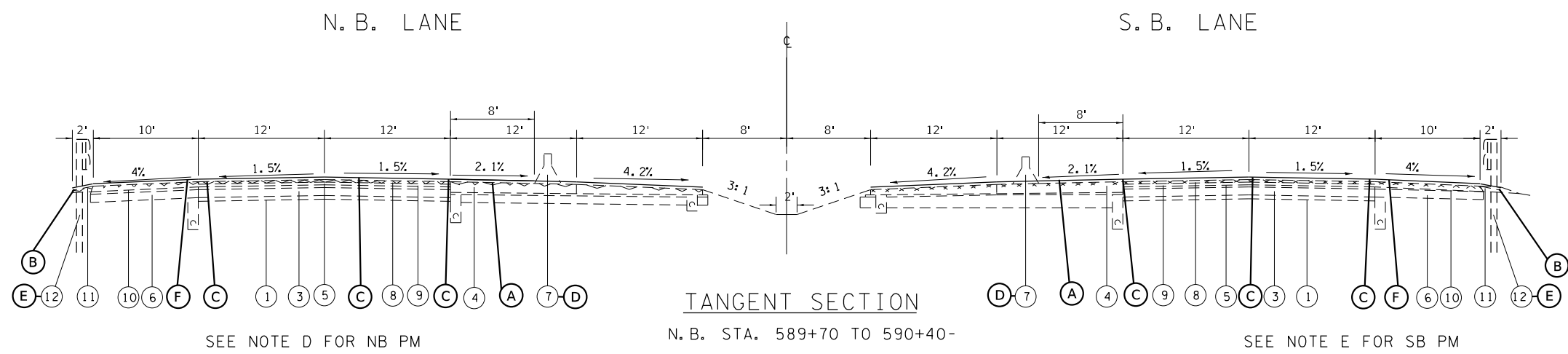
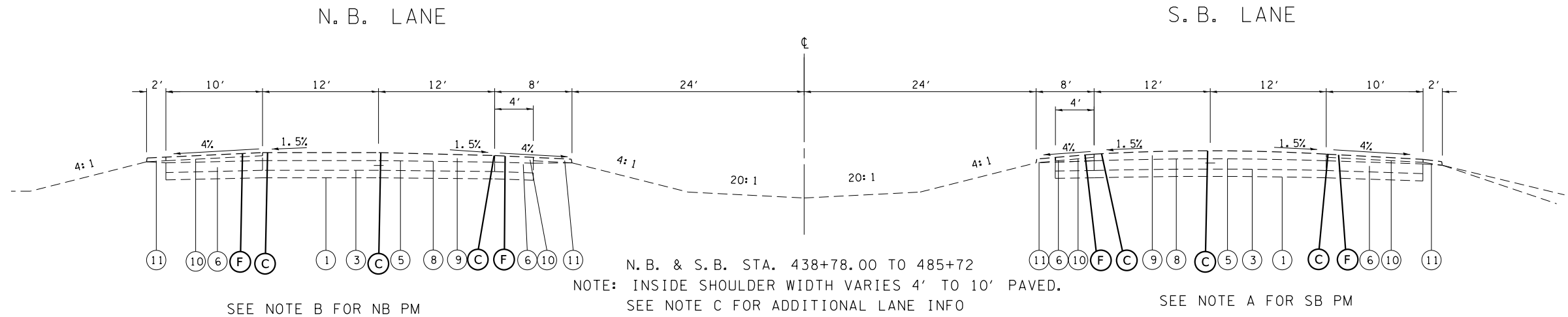
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES			
SCALE:	SHEET 2	OF 3	SHEETS
STA.	TO STA.		

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	9
CONTRACT NO. 72L67				
ILLINOIS		FED. AID PROJECT		



I-55 EXISTING LEGEND

- ① EXIST SUB-BASE GRANULAR MATERIAL 6"
- ② EXIST 10" S.R PCC PAVEMENT
- ③ EXIST 10" PCC PAVEMENT
- ④ EXIST 11" CR. RCC PAVEMENT
- ⑤ EXIST HOT MIX ASPHALT 5" AND VAR
- ⑥ EXIST HOT MIX ASPHALT SHOULDERS
- ⑦ EXIST TEMP CONC BARRIER WALL
- ⑧ EXIST HOT MIX ASPHALT BINDER, CSE, VAR DEPTH
- ⑨ EXIST HOT MIX ASPHALT SURFACE, CSE, 1 1/2"
- ⑩ EXIST HOT MIX ASPHALT SHOULDERS, 2" TYPICAL
- ⑪ EXIST AGG. SHOULDERS, WEDGE
- ⑫ EXIST GUARDRAIL

PROPOSED LEGEND

- Ⓐ PROPOSED HMA SURFACE COURSE, 1 3/4"
- Ⓑ PROPOSED AGGREGATE SHOULDERS TYPE B (WEDGE)
- Ⓒ PROPOSED MODIFIED URETHANE PAVEMENT MARKING - LINE 5"
- Ⓓ PROPOSED TEMPORARY CONCRETE BARRIER (TO BE REPLACED)
- Ⓔ PROPOSED STEEL PLATE BEAM GUARDRAIL
- Ⓕ PROPOSED RUMBLE STRIP

- NOTES:
- A) SB PAVEMENT MARKINGS BEGIN STA 435+80 AND END STA 476+00
 - B) NB PAVEMENT MARKINGS BEGIN STA 451+38 AND END STA 485+72
 - C) ADDITIONAL 12' LANE BEGINS @ STA 413+00.00
 - D) NB PAVEMENT MARKINGS BEGIN STA 584+87 AND END 617+53
 - E) SB PAVEMENT MARKINGS BEGIN STA 586+40 AND END 617+53

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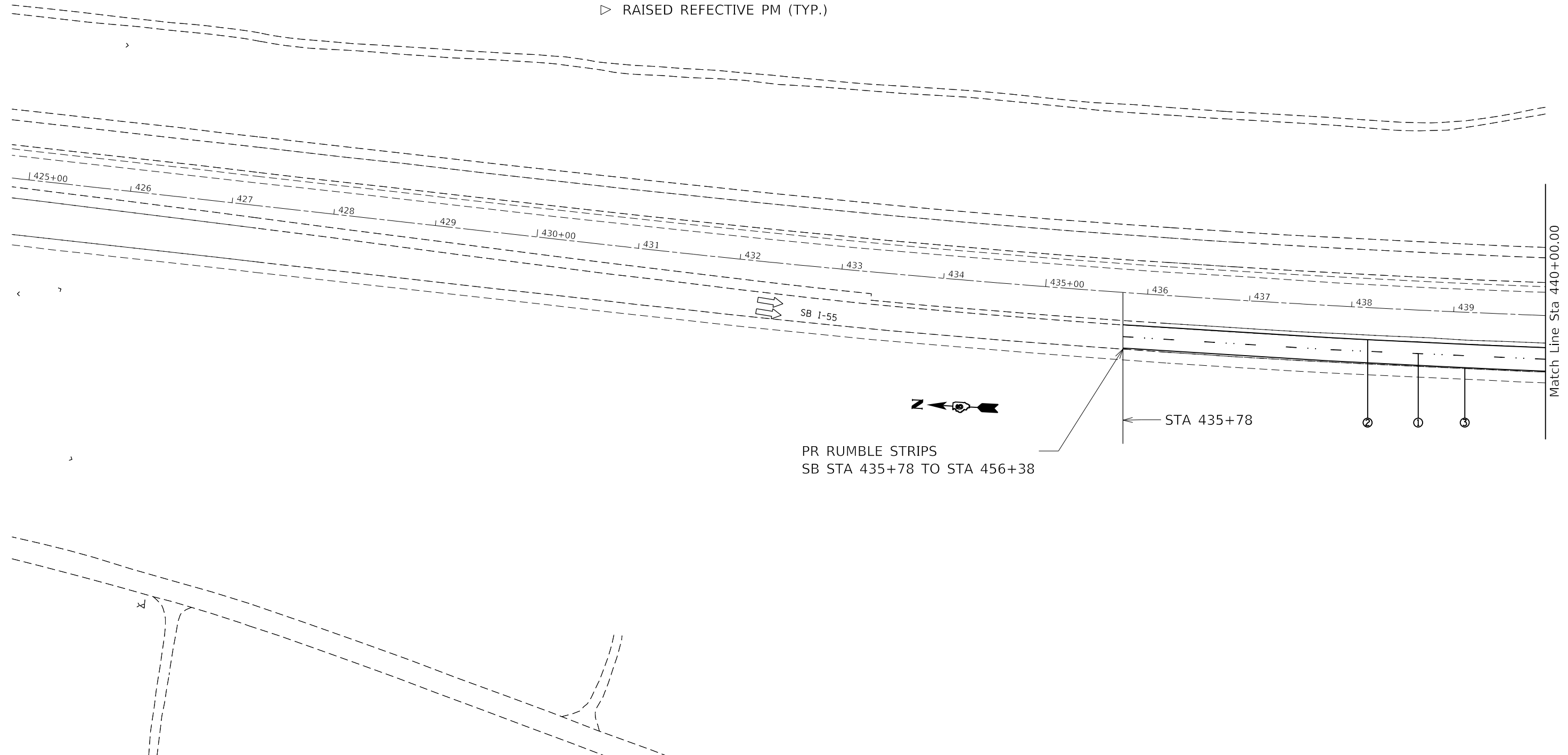
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION			
I 55			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2) BDR, (84-2-2) BDR-1	SANGAMON	94	11
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

- LEGEND
- MODIFIED URETHANE PVT MK
 - 1.) 5" WHITE SKIP DASH PM (TYP.)
 - 2.) 5" YELLOW EDGE LINE PM (TYP.)
 - 3.) 5" WHITE EDGE LINE PM (TYP.)
 - 4.) 8" WHITE EDGE LINE (TYP.)
 - 5.) 12" WHITE EDGE LINE (TYP.)
 - 6.) 12" YELLOW CHEVRON (30' SPACING)
 - ▷ RAISED REFLECTIVE PM (TYP.)



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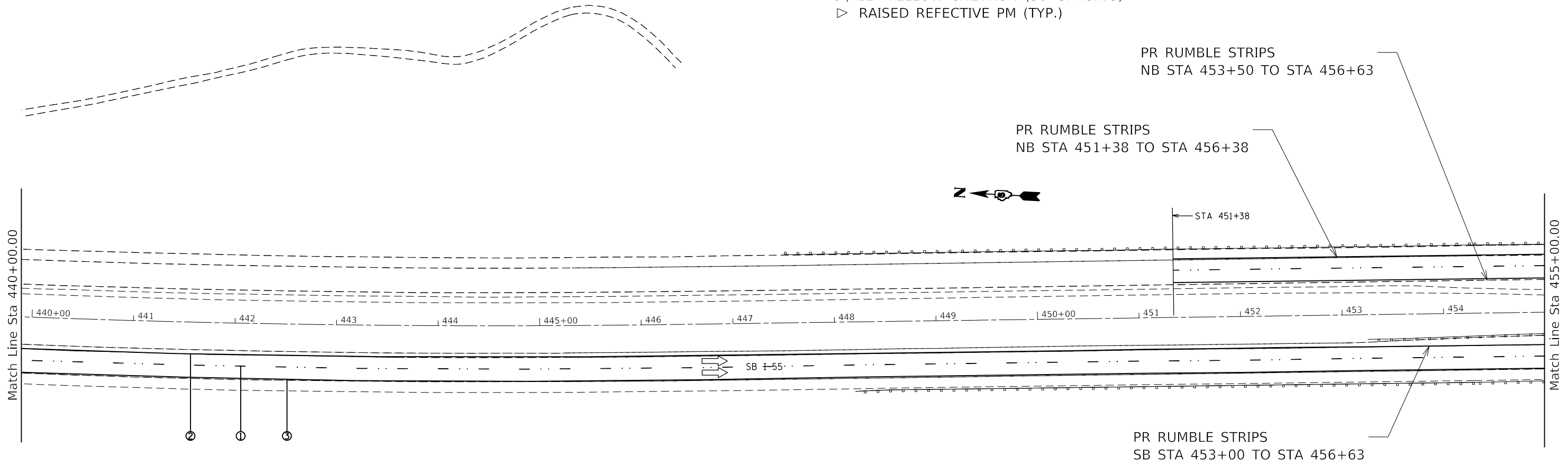
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	12
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

- LEGEND
- MODIFIED URETHANE PVT MK
 - 1.) 5" WHITE SKIP DASH PM (TYP.)
 - 2.) 5" YELLOW EDGE LINE PM (TYP.)
 - 3.) 5" WHITE EDGE LINE PM (TYP.)
 - 4.) 8" WHITE EDGE LINE (TYP.)
 - 5.) 12" WHITE EDGE LINE (TYP.)
 - 6.) 12" YELLOW CHEVRON (30' SPACING)
 - ▷ RAISED REFLECTIVE PM (TYP.)



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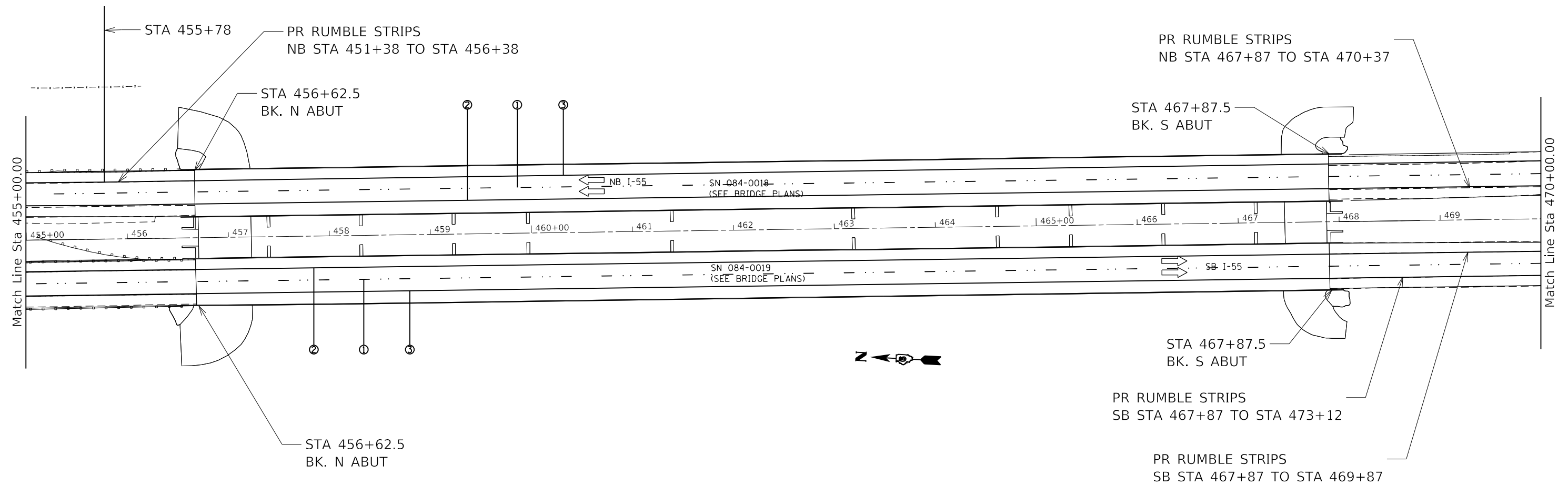
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	13
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

- LEGEND
- MODIFIED URETHANE PVT MK
 - 1.) 5" WHITE SKIP DASH PM (TYP.)
 - 2.) 5" YELLOW EDGE LINE PM (TYP.)
 - 3.) 5" WHITE EDGE LINE PM (TYP.)
 - 4.) 8" WHITE EDGE LINE (TYP.)
 - 5.) 12" WHITE EDGE LINE (TYP.)
 - 6.) 12" YELLOW CHEVRON (30' SPACING)
 - ▷ RAISED REFLECTIVE PM (TYP.)



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

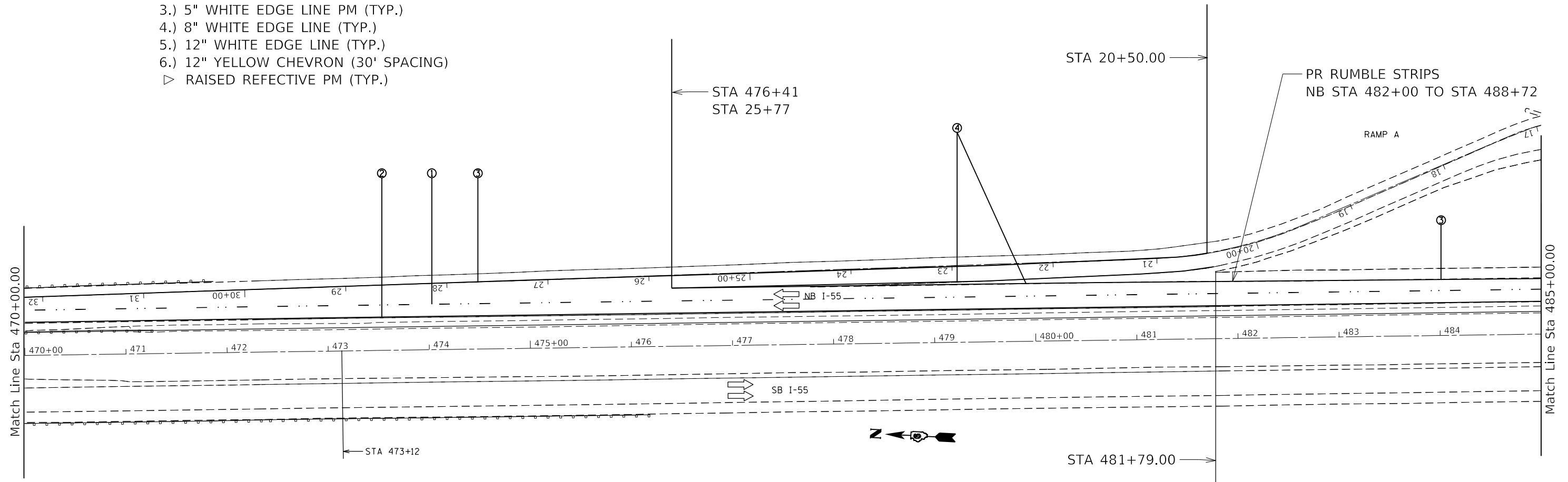
PLAN SHEETS (SANGAMON RIVER BRIDGE)

SCALE: SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	14
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

LEGEND

- MODIFIED URETHANE PVT MK
- 1.) 5" WHITE SKIP DASH PM (TYP.)
- 2.) 5" YELLOW EDGE LINE PM (TYP.)
- 3.) 5" WHITE EDGE LINE PM (TYP.)
- 4.) 8" WHITE EDGE LINE (TYP.)
- 5.) 12" WHITE EDGE LINE (TYP.)
- 6.) 12" YELLOW CHEVRON (30' SPACING)
- ▷ RAISED REFLECTIVE PM (TYP.)



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 DATE: 1/28/2021

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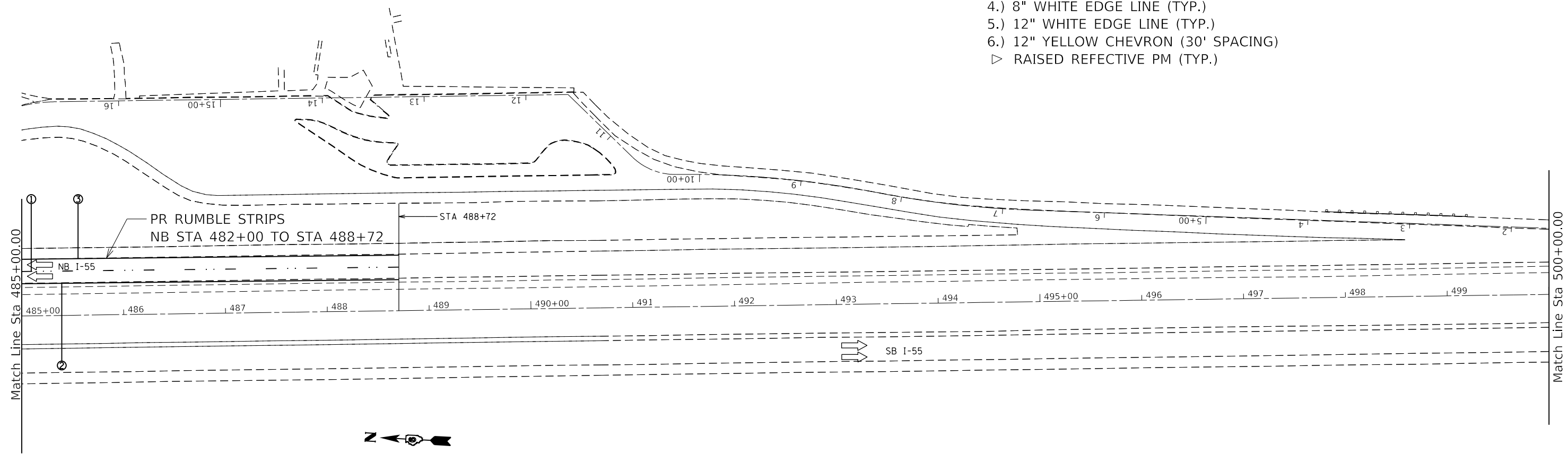
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

SCALE: SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	15
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

- LEGEND
- MODIFIED URETHANE PVT MK
 - 1.) 5" WHITE SKIP DASH PM (TYP.)
 - 2.) 5" YELLOW EDGE LINE PM (TYP.)
 - 3.) 5" WHITE EDGE LINE PM (TYP.)
 - 4.) 8" WHITE EDGE LINE (TYP.)
 - 5.) 12" WHITE EDGE LINE (TYP.)
 - 6.) 12" YELLOW CHEVRON (30' SPACING)
 - ▷ RAISED REFLECTIVE PM (TYP.)



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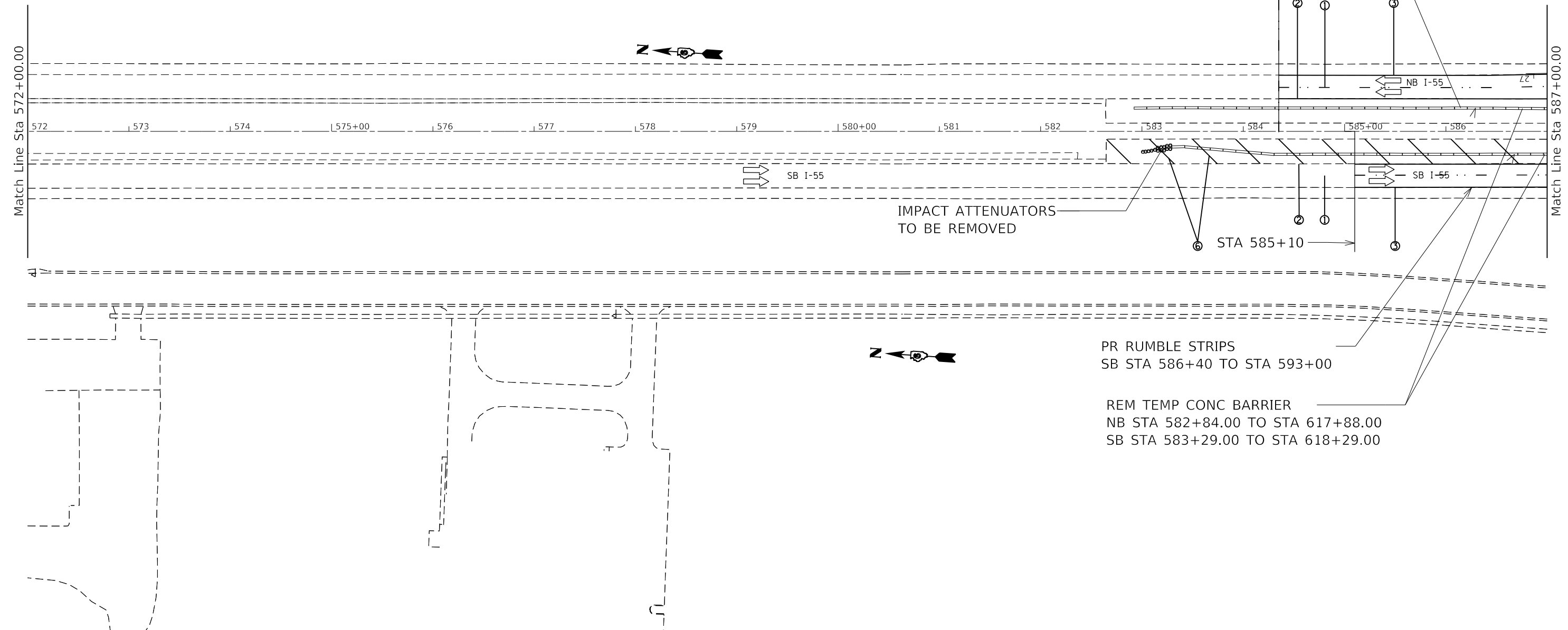
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS			
SCALE:	SHEET 5	OF 9 SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	16
CONTRACT NO. 72L67				
		ILLINOIS	FED. AID PROJECT	

- LEGEND
- MODIFIED URETHANE PVT MK
 - 1.) 5" WHITE SKIP DASH PM (TYP.)
 - 2.) 5" YELLOW EDGE LINE PM (TYP.)
 - 3.) 5" WHITE EDGE LINE PM (TYP.)
 - 4.) 8" WHITE EDGE LINE (TYP.)
 - 5.) 12" WHITE EDGE LINE (TYP.)
 - 6.) 12" YELLOW CHEVRON (30' SPACING)
 - ▷ RAISED REFLECTIVE PM (TYP.)

TEMP CONC BAR TO REMAIN PERM
NB STA 582+84.00 TO STA 617+88.00



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PLOT DATE = 1/28/2021	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS			
SCALE:	SHEET 6	OF 9 SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	17
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

SEE SCHEDULES FOR GUARDRAIL
REMOVAL AND REPLACEMENT FOR
SN 084-0016 & SN 084-0017

PR POLY HMA SURF CRSE
IL 9.5 MIX "D" N70
PR HMA SHLD
PR AGG SHLD

STA 599+91
STA 14+00

PR POLY HMA SURF CRSE
IL 9.5 MIX "D" N70
PR HMA SHLD
PR AGG SHLD

STA 590+40
HMA SURF BUTT JOINT
START TAPER HERE
(DETAIL A)

PR INLETS TBR W/
NEW F & G SP

TEMP CONC BAR TO REMAIN PERM
NB STA 582+84.00 TO STA 617+88.00

PR AGG SHLD
PR HMA SHLD

STA 594+03
BK. S ABUT

STA 594+27
STA 19+60

STA 597+00
HMA SURF BUTT JOINT
START TAPER HERE
(DETAIL A)

STA 597+37
STA 4+32

STA 597+70
HMA SURF BUTT JOINT
END TAPER HERE
(DETAIL A)

STA 589+70
HMA SURF BUTT JOINT
END TAPER HERE
(DETAIL A)

STA 591+61
BK. N ABUT

STA 592+3.8
BK. N ABUT.

STA 594+55.3
BK. S ABUT.

STA 595+26
BK. S ABUT.

STA 6+00

STA 590+70
HMA SURF BUTT JOINT
END TAPER HERE
(DETAIL A)

STA 593+25
BK. N ABUT

STA 591+40
HMA SURF BUTT JOINT
START TAPER HERE
(DETAIL A)

STA 595+66
BK. S ABUT

STA 597+30
HMA SURF BUTT JOINT
END TAPER HERE
(DETAIL A)

STA 596+60
HMA SURF BUTT JOINT
START TAPER HERE
(DETAIL A)

STA 599+34

PR RUMBLE STRIPS
SB STA 586+40 TO STA 593+00

PR AGG SHLD
PR HMA SHLD

REM TEMP CONC BARRIER
NB STA 582+84.00 TO STA 617+88.00
SB STA 583+29.00 TO STA 618+29.00

PR POLY HMA SURF CRSE
IL 9.5 MIX "D" N70
PR HMA SHLD
PR AGG SHLD

PR RUMBLE STRIPS
SB STA 599+25 TO STA 606+10

LEGEND

- MODIFIED URETHANE PVT MK
- 1.) 5" WHITE SKIP DASH PM (TYP.)
- 2.) 5" YELLOW EDGE LINE PM (TYP.)
- 3.) 5" WHITE EDGE LINE PM (TYP.)
- 4.) 8" WHITE EDGE LINE (TYP.)
- 5.) 12" WHITE EDGE LINE (TYP.)
- 6.) 12" YELLOW CHEVRON (30' SPACING)
- ▷ RAISED REFLECTIVE PM (TYP.)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS (IC RAILROAD BRIDGE)

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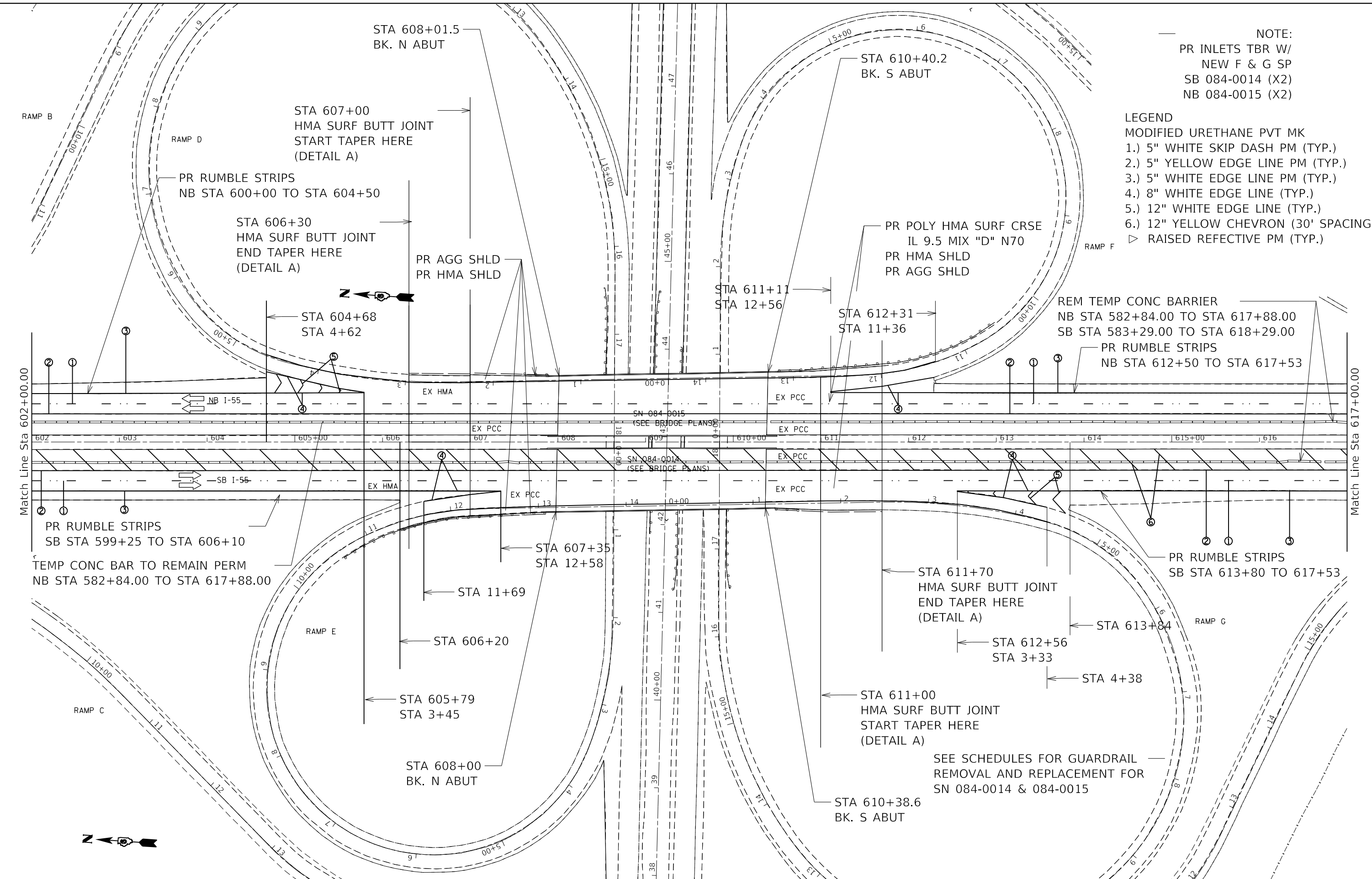
SCALE: SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

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NOTE:
 PR INLETS TBR W/
 NEW F & G SP
 SB 084-0014 (X2)
 NB 084-0015 (X2)

- LEGEND
 MODIFIED URETHANE PVT MK
 1.) 5" WHITE SKIP DASH PM (TYP.)
 2.) 5" YELLOW EDGE LINE PM (TYP.)
 3.) 5" WHITE EDGE LINE PM (TYP.)
 4.) 8" WHITE EDGE LINE (TYP.)
 5.) 12" WHITE EDGE LINE (TYP.)
 6.) 12" YELLOW CHEVRON (30' SPACING)
 ▷ RAISED REFLECTIVE PM (TYP.)



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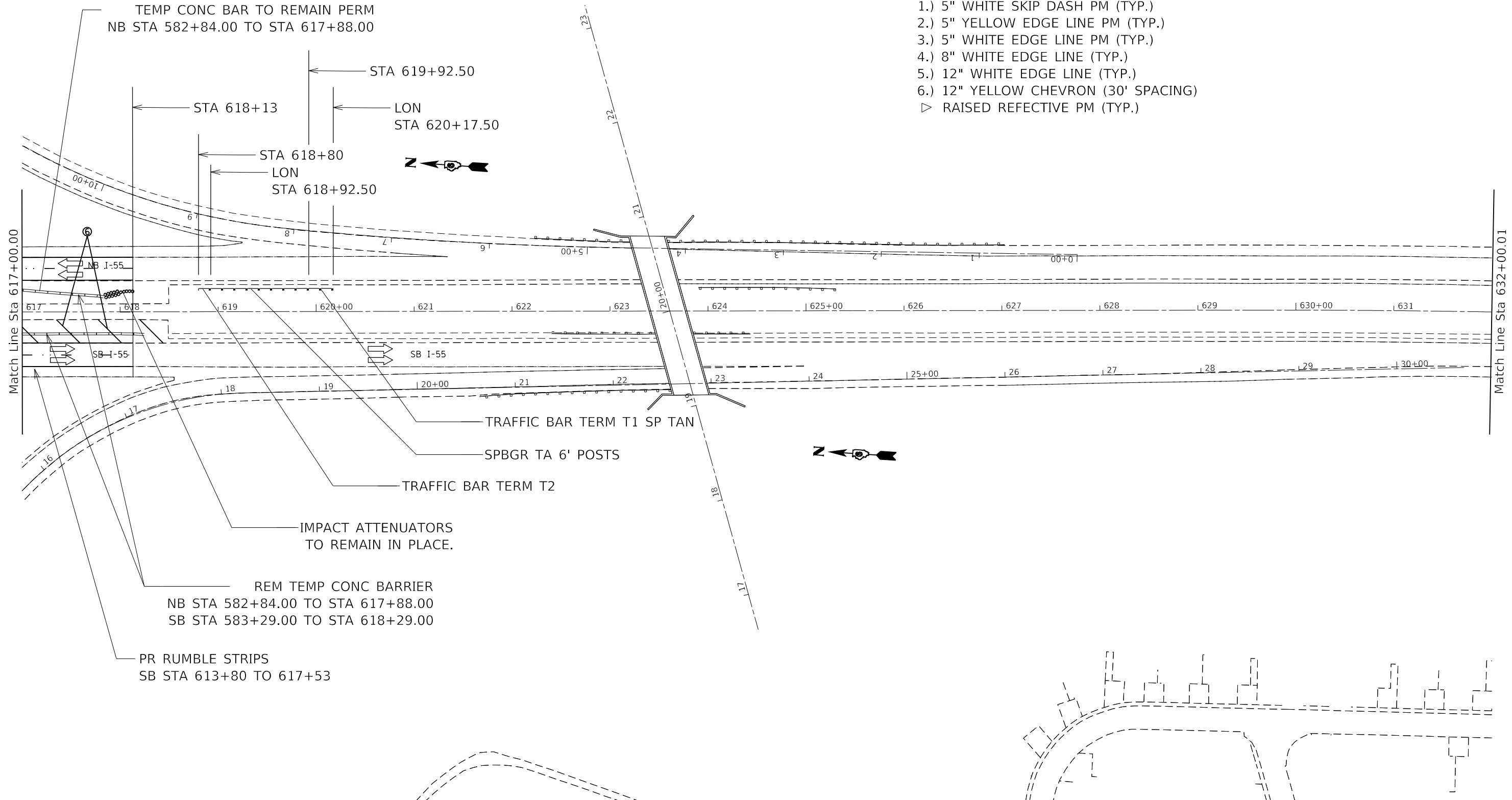
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS (SANGAMON AVE BRIDGE)

SCALE: SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	19
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

- LEGEND**
 MODIFIED URETHANE PVT MK
 1.) 5" WHITE SKIP DASH PM (TYP.)
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 3.) 5" WHITE EDGE LINE PM (TYP.)
 4.) 8" WHITE EDGE LINE (TYP.)
 5.) 12" WHITE EDGE LINE (TYP.)
 6.) 12" YELLOW CHEVRON (30' SPACING)
 ▷ RAISED REFLECTIVE PM (TYP.)



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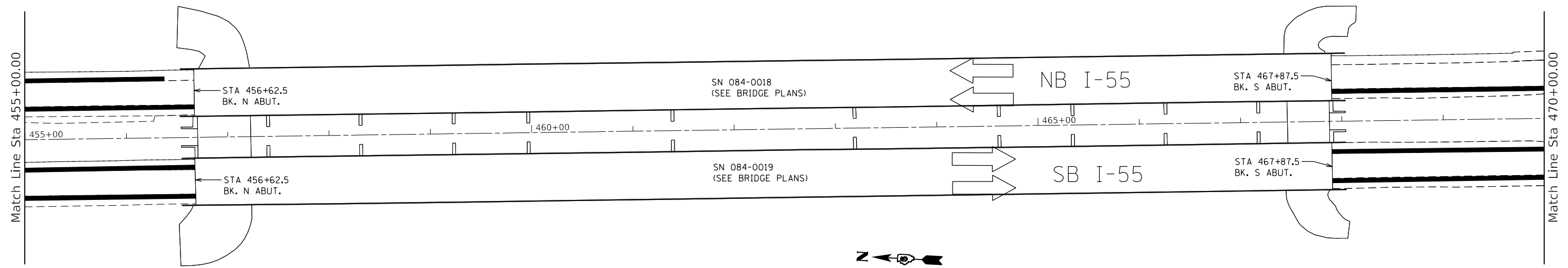
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


**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS
 SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	20
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

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-  CONCRETE BUTT JOINT REM
-  HMA BUTT JOINT REM
-  RUMBLE STRIP REM AND REPLACEMENT

USER NAME = coxjw	DESIGNED -	REVISED -
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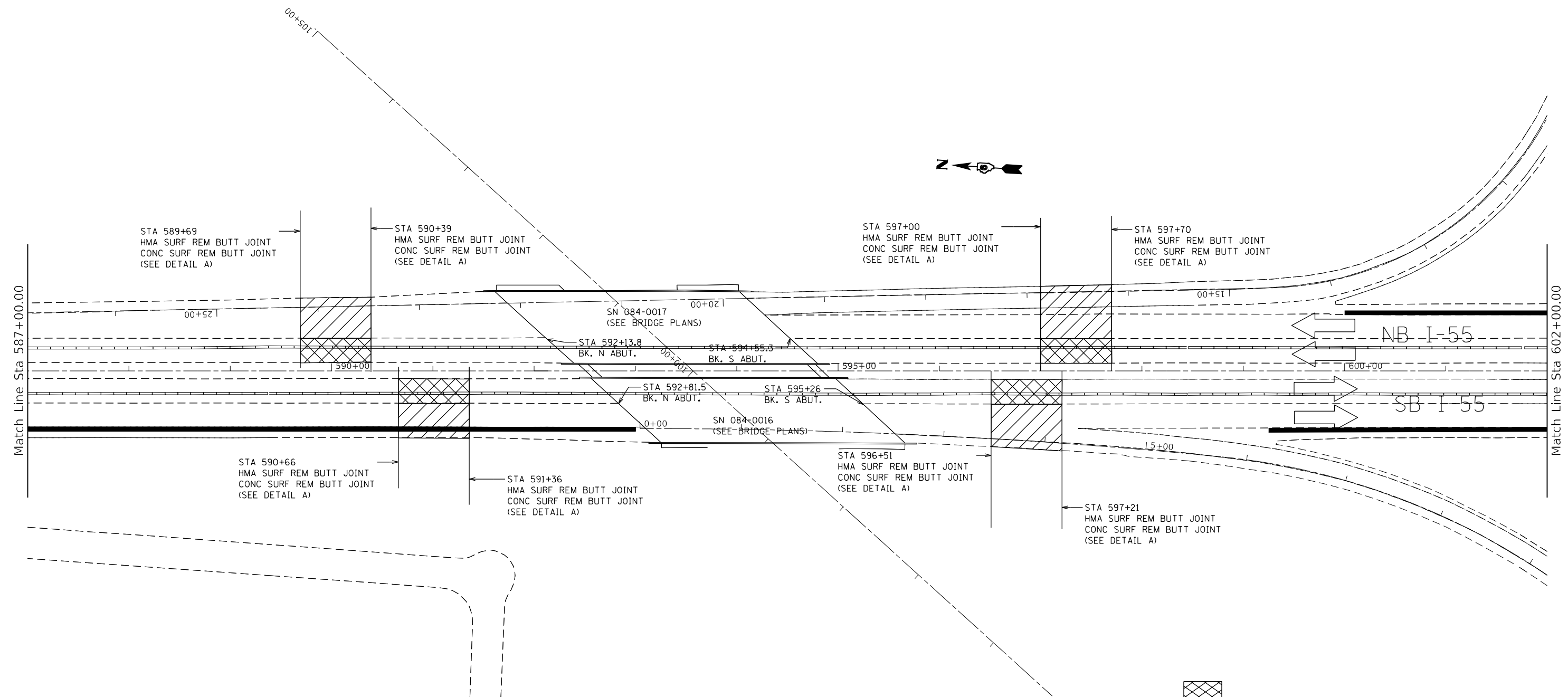
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

REMOVAL SHEETS

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	21
CONTRACT NO. 72L67			ILLINOIS FED. AID PROJECT	

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STA 589+69
 HMA SURF REM BUTT JOINT
 CONC SURF REM BUTT JOINT
 (SEE DETAIL A)

STA 590+39
 HMA SURF REM BUTT JOINT
 CONC SURF REM BUTT JOINT
 (SEE DETAIL A)

STA 597+00
 HMA SURF REM BUTT JOINT
 CONC SURF REM BUTT JOINT
 (SEE DETAIL A)

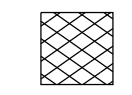
STA 597+70
 HMA SURF REM BUTT JOINT
 CONC SURF REM BUTT JOINT
 (SEE DETAIL A)

STA 590+66
 HMA SURF REM BUTT JOINT
 CONC SURF REM BUTT JOINT
 (SEE DETAIL A)

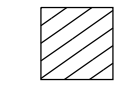
STA 591+36
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 CONC SURF REM BUTT JOINT
 (SEE DETAIL A)

STA 596+51
 HMA SURF REM BUTT JOINT
 CONC SURF REM BUTT JOINT
 (SEE DETAIL A)

STA 597+21
 HMA SURF REM BUTT JOINT
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 (SEE DETAIL A)



CONCRETE BUTT JOINT REM



HMA BUTT JOINT REM



RUMBLE STRIP REM AND REPLACEMENT

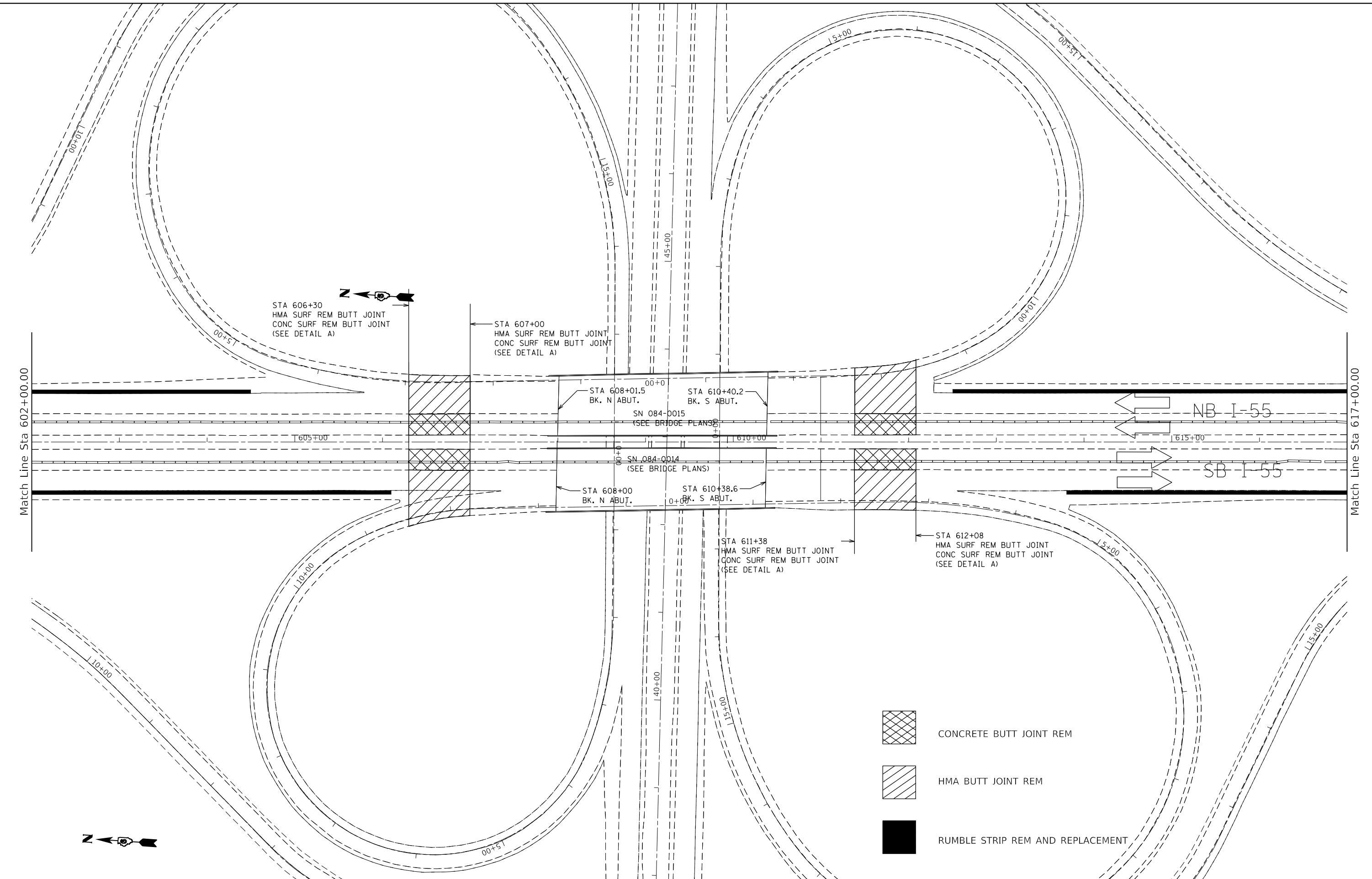
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


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL SHEETS			
SCALE:	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	22
				CONTRACT NO. 72L67
		ILLINOIS	FED. AID PROJECT	

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-  CONCRETE BUTT JOINT REM
-  HMA BUTT JOINT REM
-  RUMBLE STRIP REM AND REPLACEMENT

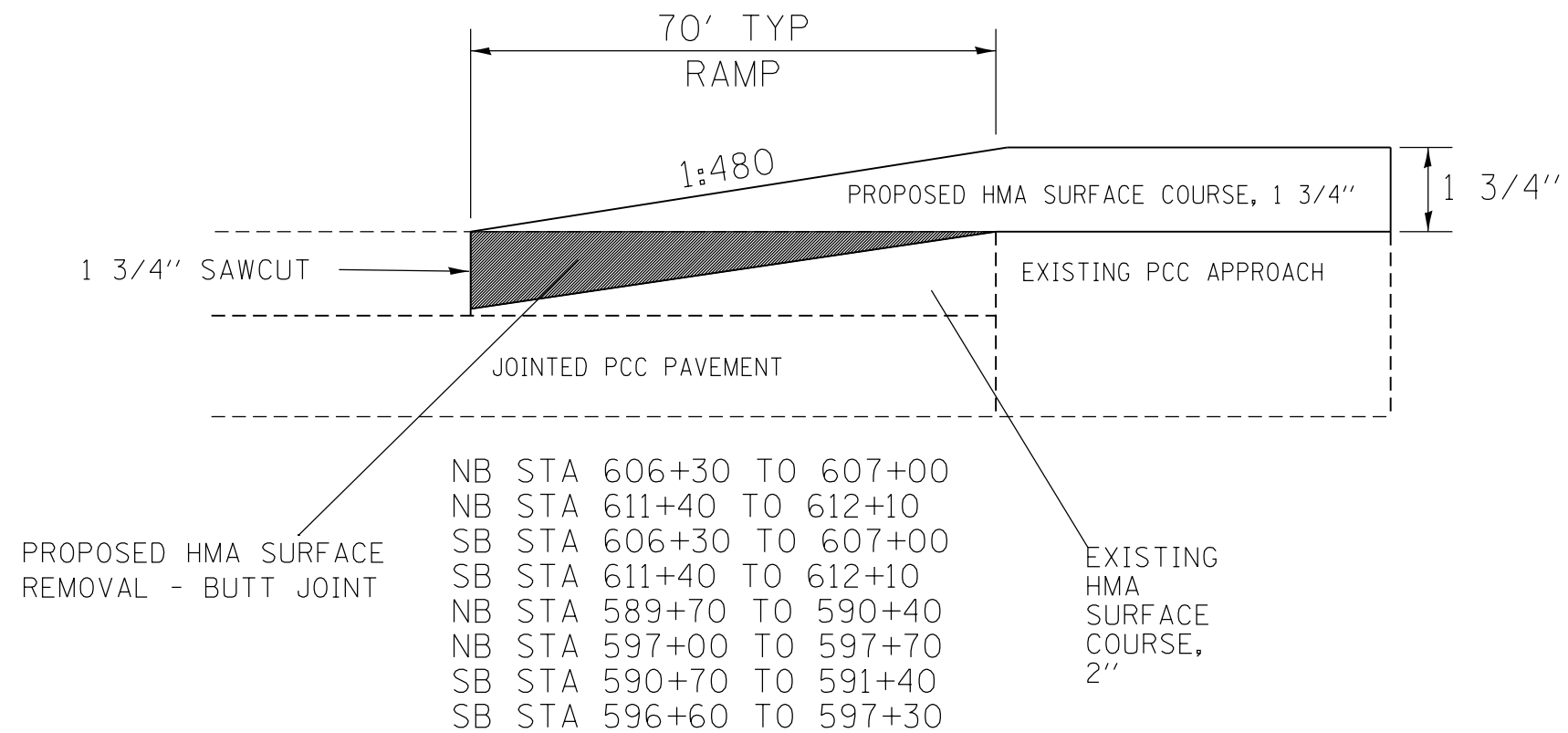
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/28/2021	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

REMOVAL SHEETS

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	23
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



BUTT JOINT DETAIL A

MODEL: Default
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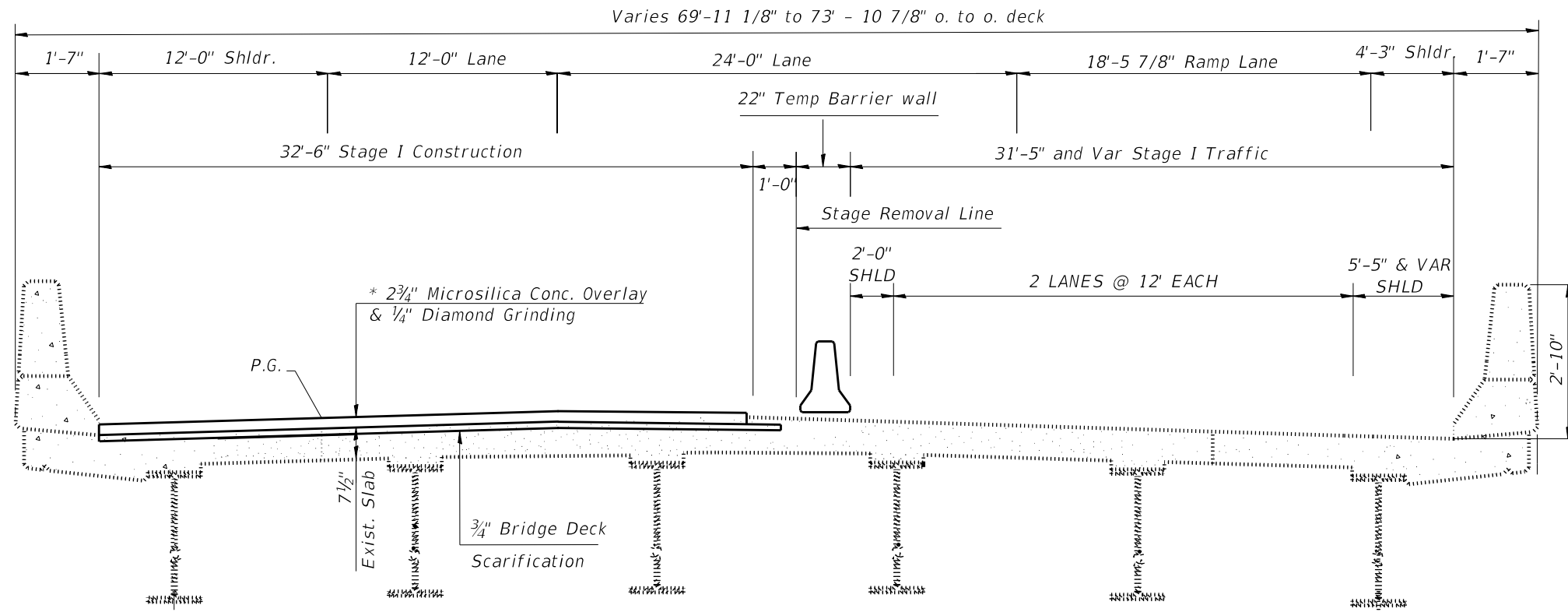
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	DRAWN -	REVISED -
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PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BUTT JOINT DETAILS

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L67	



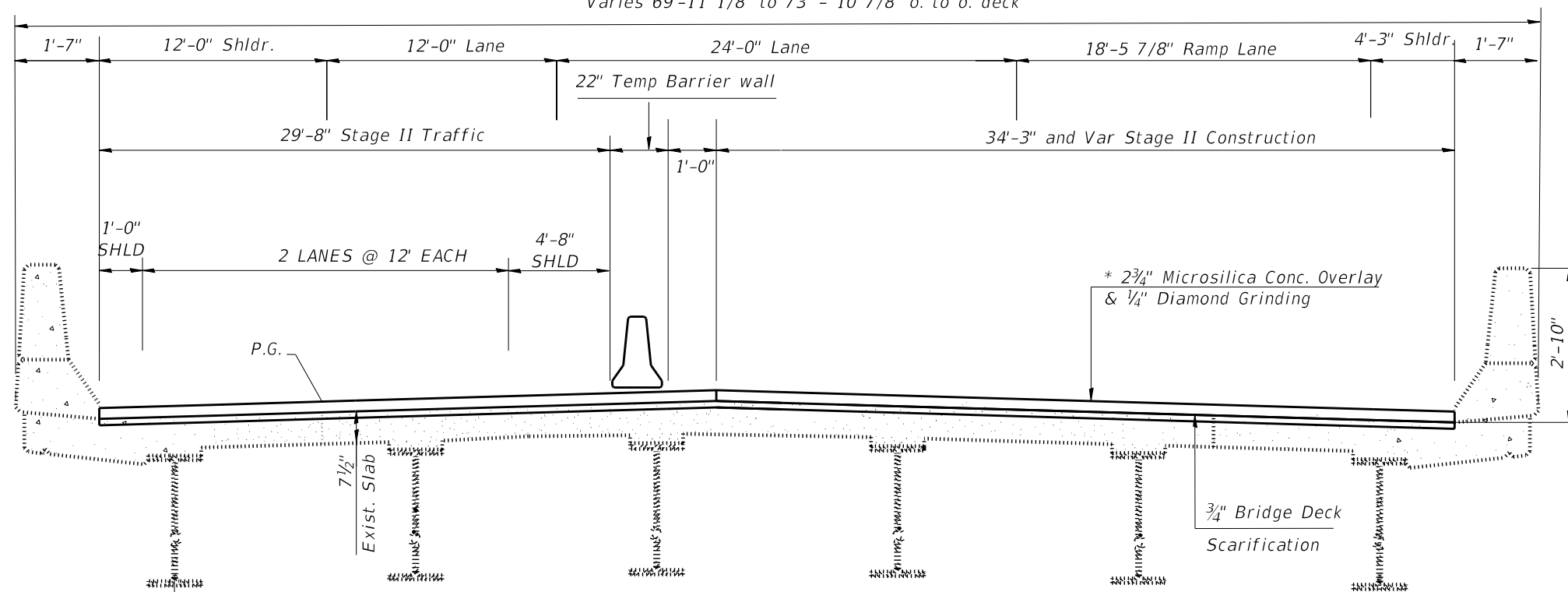
5 Spaces at 7'-5" = 37'-1"

SN 084-0014 (SB) STAGE I

(Looking South)

* Prior to 1/4" Diamond Grinding.

Varies 69'-11 1/8" to 73' - 10 7/8" o. to o. deck



SN 084-0014 (SB) STAGE II

(Looking South)

* Prior to 1/4" Diamond Grinding.

MODEL: Default
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PROJECT: 084-0014 (SB)
DRAWN: EDWARDSID
CHECKED: EDWARDSID
DATE: 12/18/2020

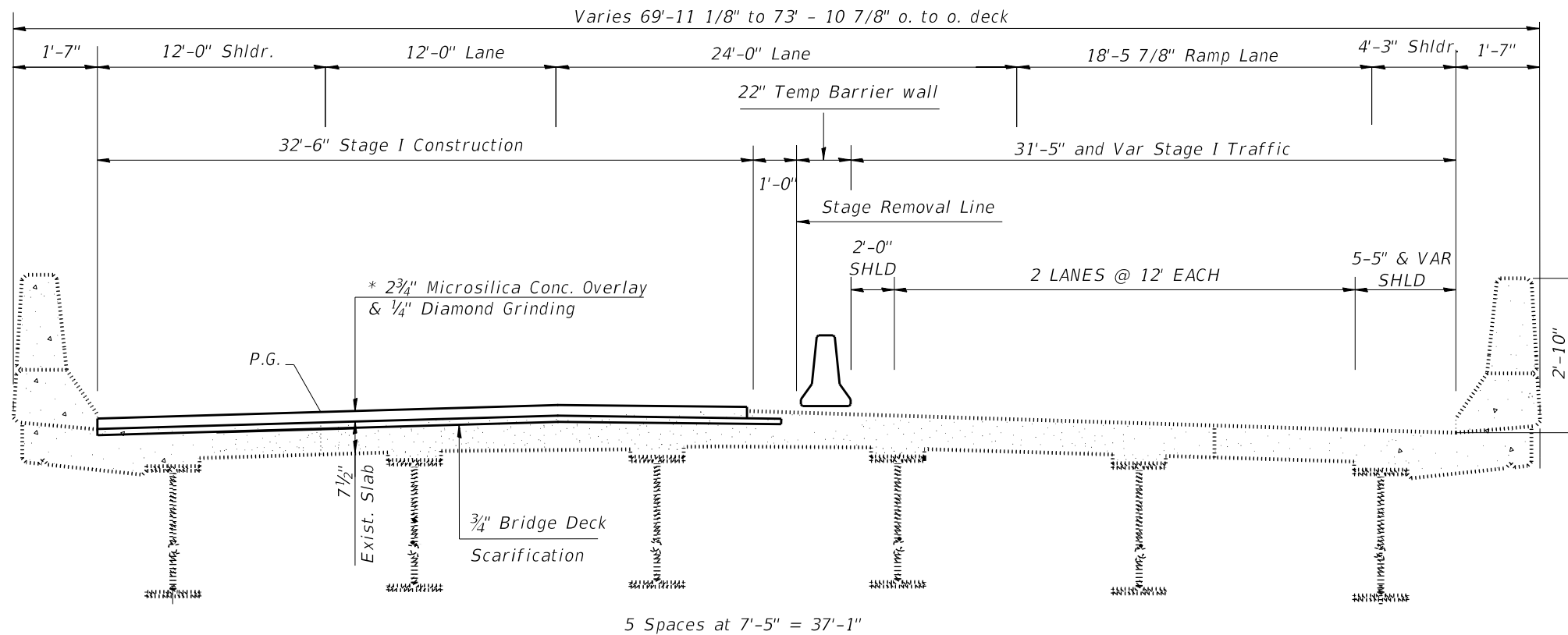
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PLOT DATE = 12/18/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN
CROSS SECTIONS 084-0014**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	25
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

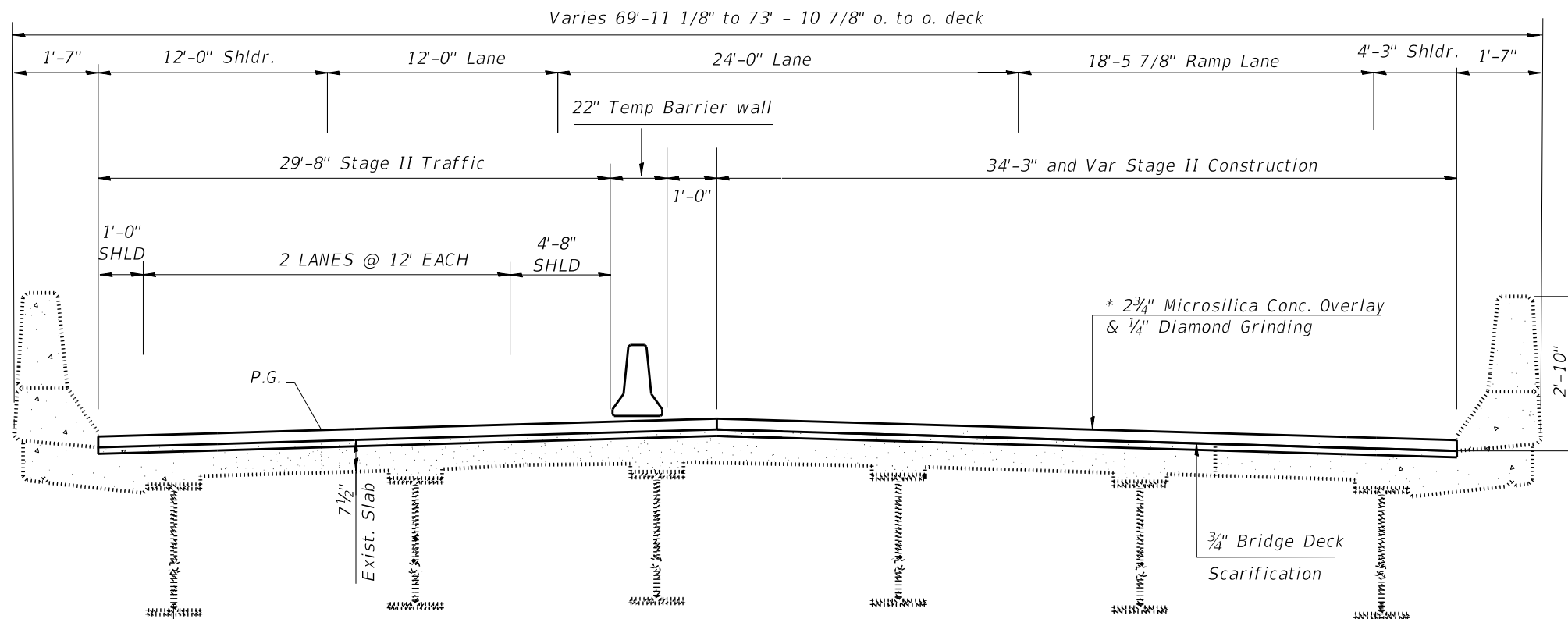


5 Spaces at 7'-5" = 37'-1"

SN 084-0015 (NB) STAGE I

(Looking North)

* Prior to 1/4" Diamond Grinding.



SN 084-0015 (NB) STAGE II

(Looking North)

* Prior to 1/4" Diamond Grinding.

MODEL: Default
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PROJECT: 084-0015 (NB) STAGE I
DRAWING: 084-0015 (NB) STAGE I CROSS SECTION
DATE: 12/18/2020

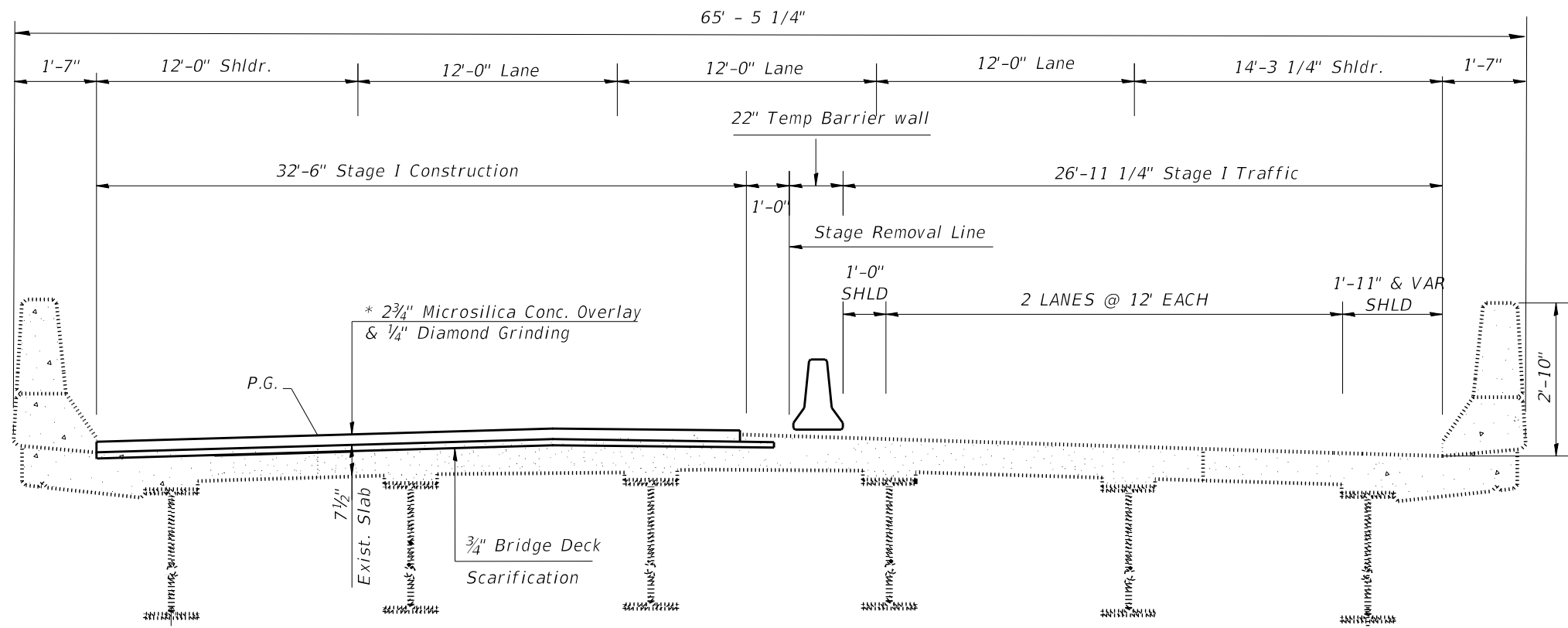
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	DRAWN -	REVISED -
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PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

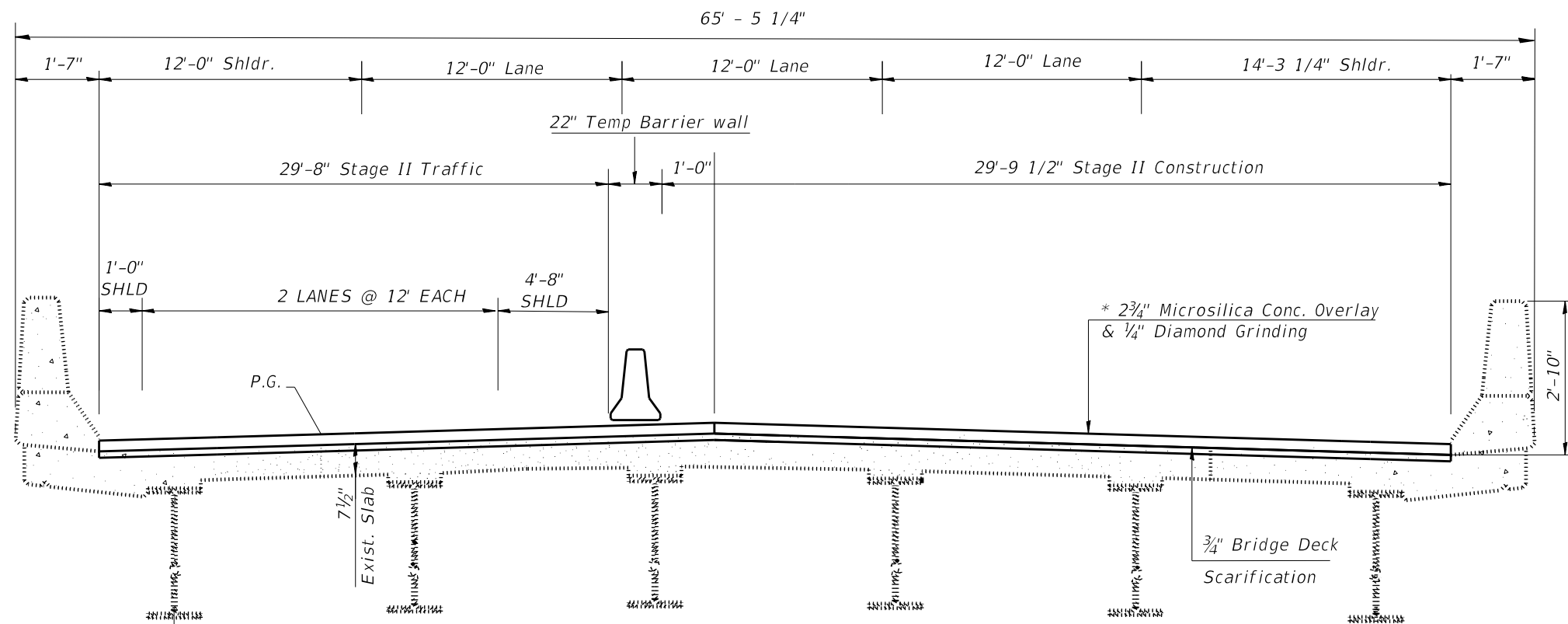
**TRAFFIC CONTROL PLAN
CROSS SECTIONS 084-0015**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	26
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



SN 084-0016 (SB) STAGE I
(Looking South)



SN 084-0016 (SB) STAGE II
(Looking South)
* Prior to 1/4" Diamond Grinding.

MODEL: Default
FILE: h:\a11\c:\p\pub\baronm.dwg
PROJECT: 084-0016 (SB) STAGE I
DRAWING: 084-0016 (SB) STAGE I CROSS SECTIONS
DATE: 12/18/2020

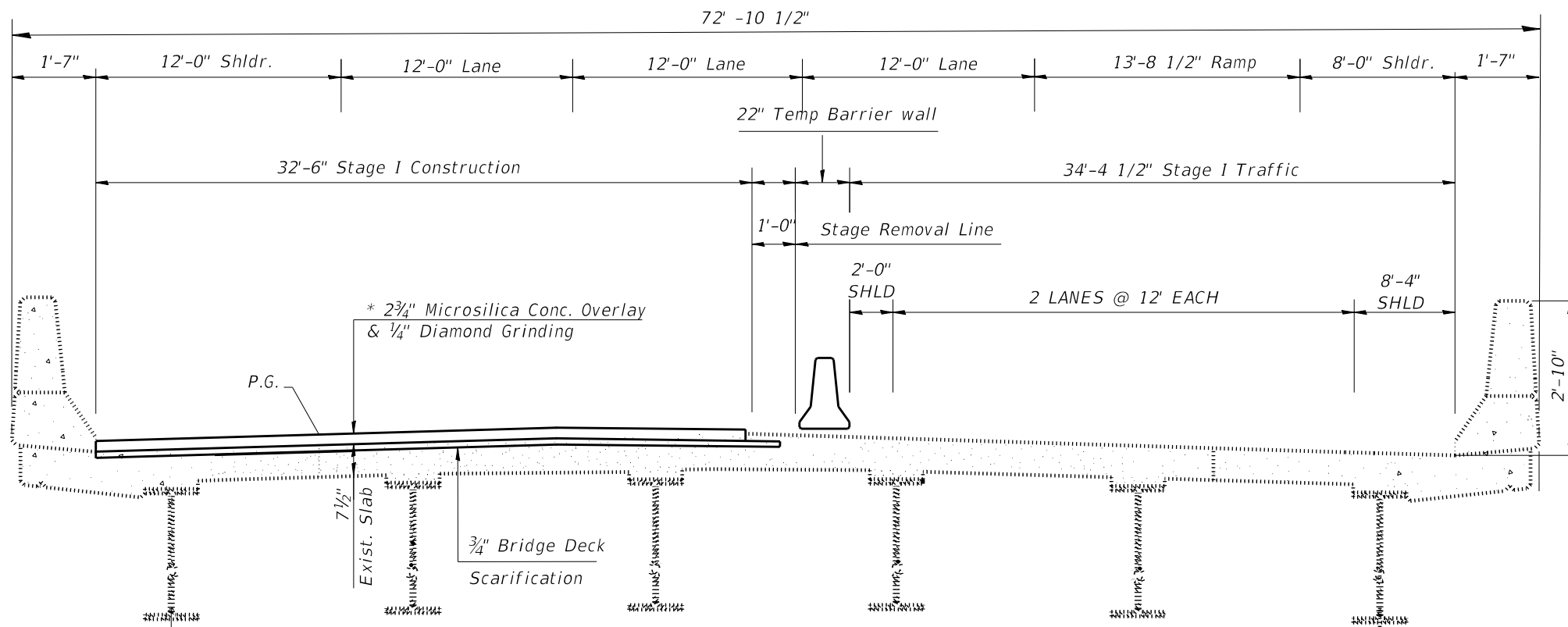
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN
CROSS SECTIONS 084-0016**

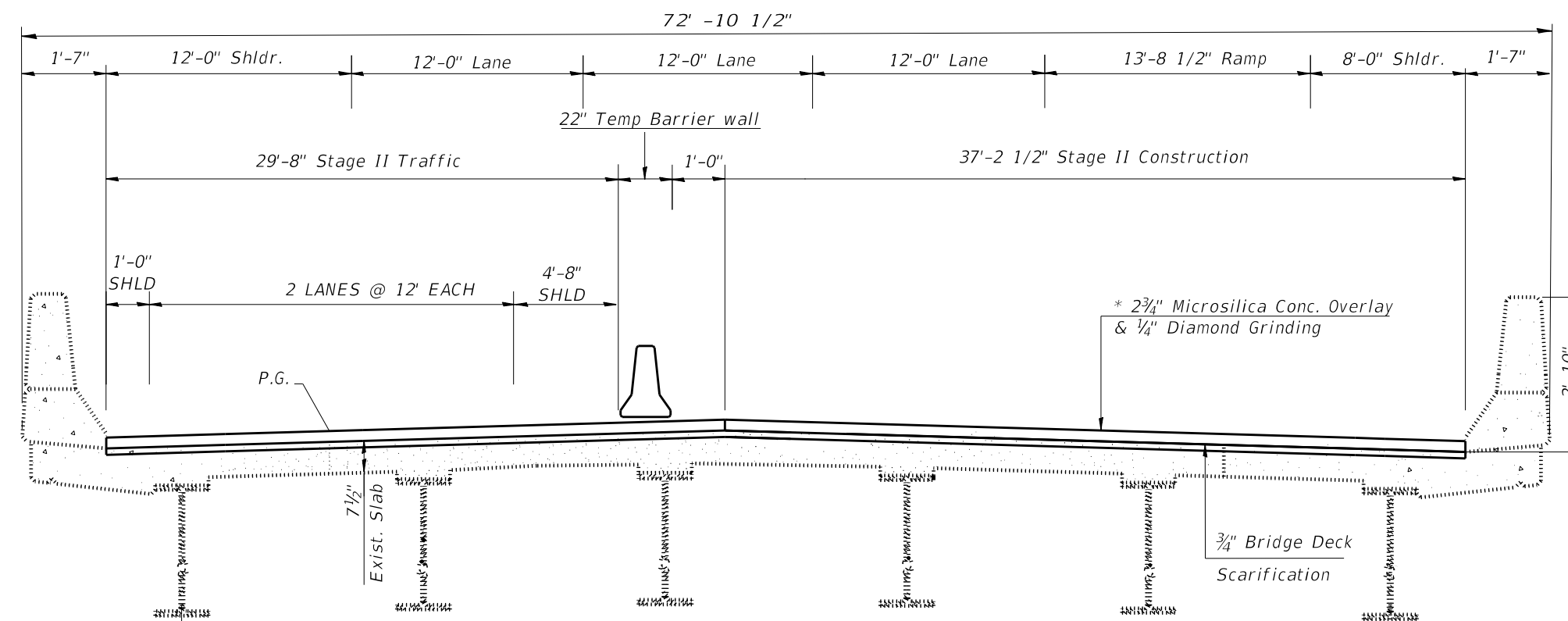
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	27
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



SN 084-0017 (NB) STAGE I

(Looking North)



SN 084-0017 (NB) STAGE II

(Looking North)

* Prior to 1/4\"/>

MODEL: Default
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 PROJECT: 084-0017 (NB) STAGE I
 OFFICE: 084-0017 (NB) STAGE I
 DATE: 12/18/2020

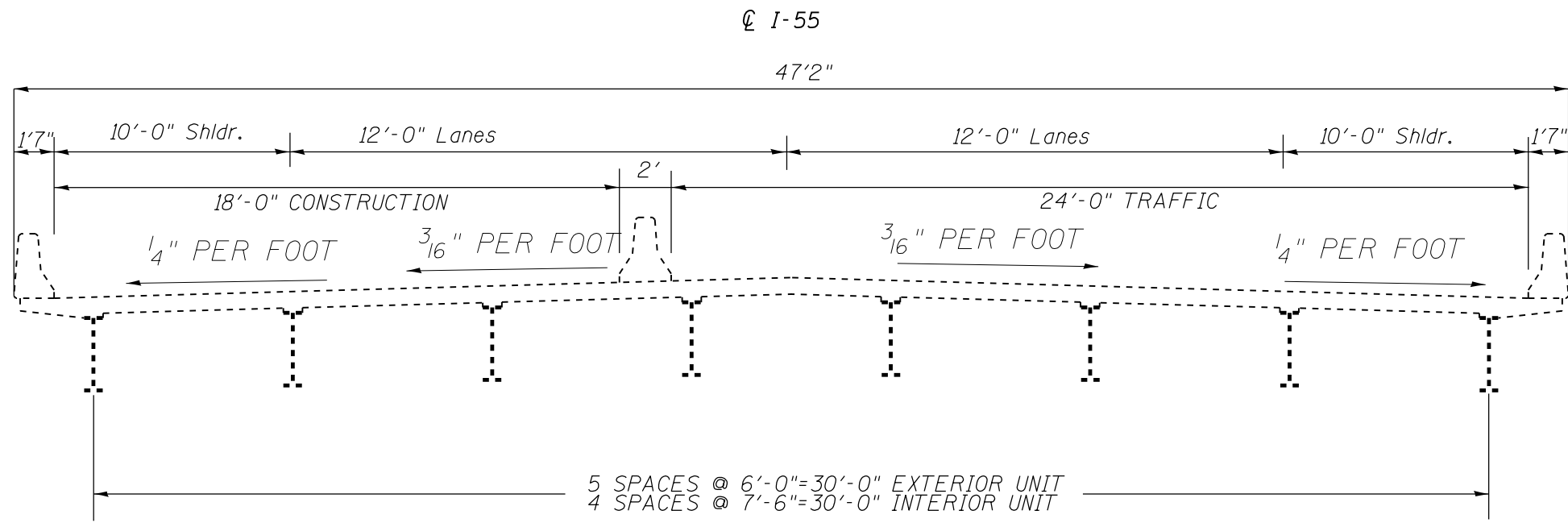
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN
CROSS SECTIONS 084-0017**

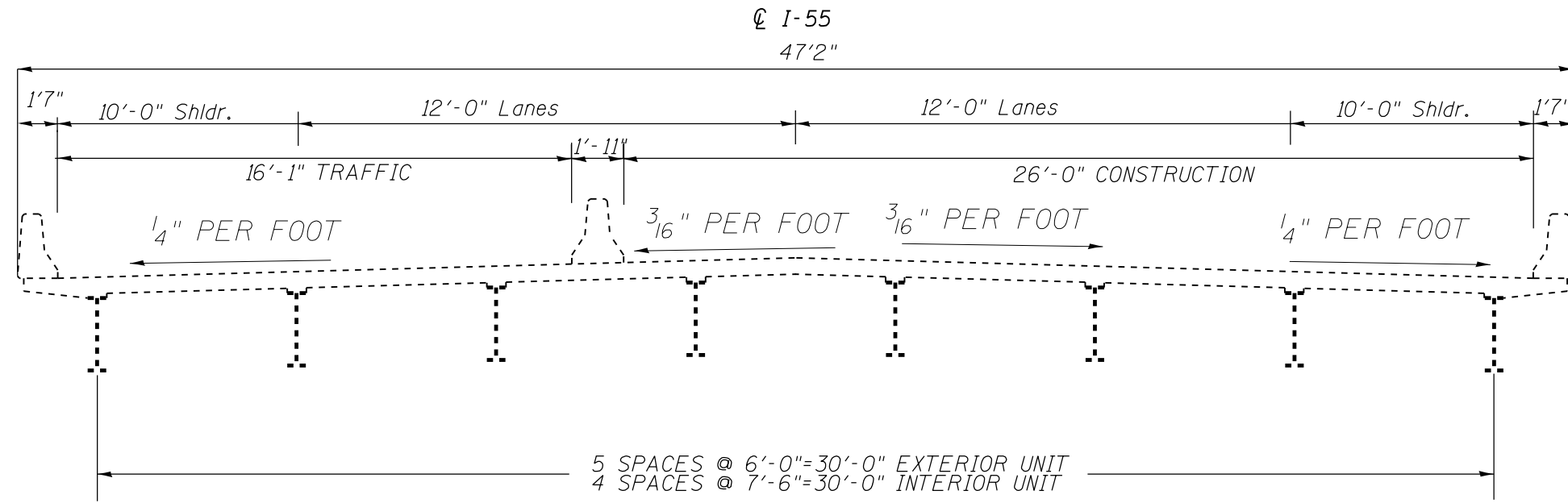
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	28
				CONTRACT NO. 72L67
ILLINOIS FED. AID PROJECT				



SN 084-0018 (NB) STAGE I

(Looking North)
* Prior to 1/4" Diamond Grinding.



SN 084-0018 (NB) STAGE II

(Looking North)
* Prior to 1/4" Diamond Grinding.

MODEL: Default
FILE: h:\mhc\p\pub\haronom.dwg
PROJECT: 084-0018 (NB) STAGE I
DRAWING: SN 084-0018 (NB) STAGE I
DATE: 12/18/2020

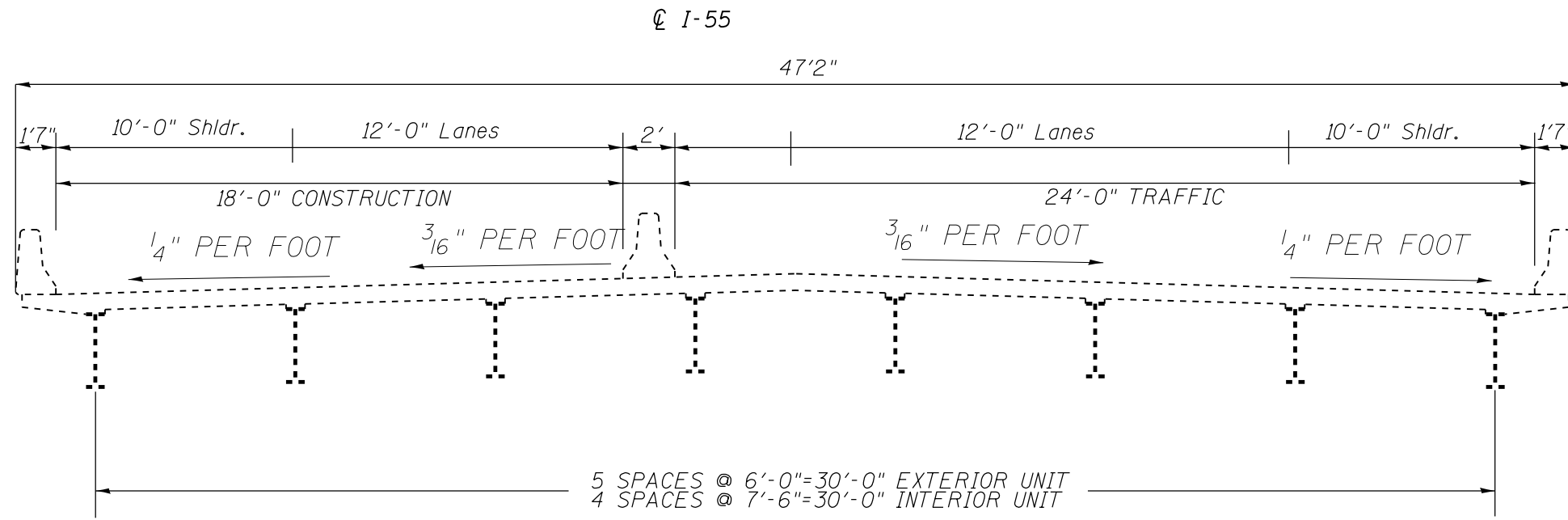
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN
CROSS SECTIONS 084-0018**

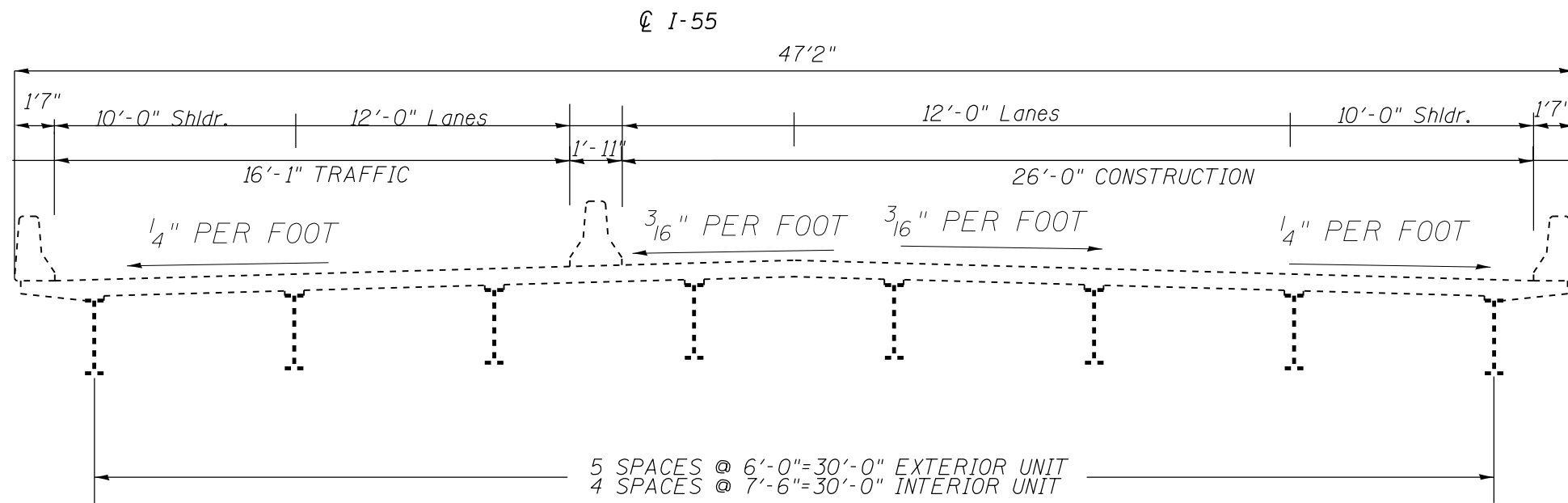
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	29
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



SN 084-0019 (SB) STAGE I

(Looking South)



SN 084-0019 (SB) STAGE II

(Looking South)

MODEL: Default
FILE: h:\mhc\p\suplanroom.d\illinois.gov\PIWDOT\Documents\DOT_Offices\Dir\ctc_6\Projects\084-0019\084-0019-ctc-stage1.dgn

USER NAME = EDWARDSJD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN
CROSS SECTIONS 084-0019**

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	30
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

SEE SHEET 85 FOR LANE SHIFT DETAIL

STA 435+78
 BEGIN STANDARD 701402
 BEGIN DEVICES AT 50' CENTERS

DEVICES AT 50' CENTERS

1000'

Match Line Sta 425+00.00

Match Line Sta 440+00.00

425+00

430+00

435+00

NB I-55

SB I-55

24'



1 2 3

- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

MODEL: Default
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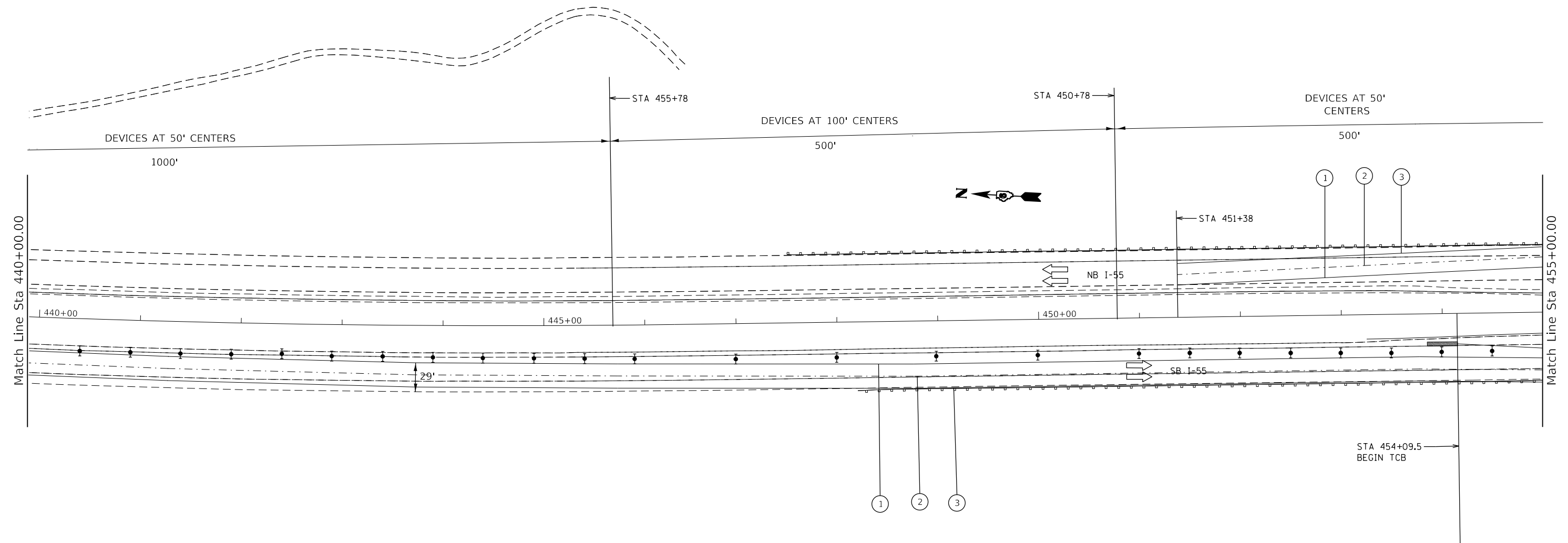
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**Stage 1 Traffic Control
 SN 084-0018 & -0019**

SCALE: SHEET 1 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	31
CONTRACT NO. 72L67				
ILLINOIS		FED. AID PROJECT		

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- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

USER NAME = EDWARDSJD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

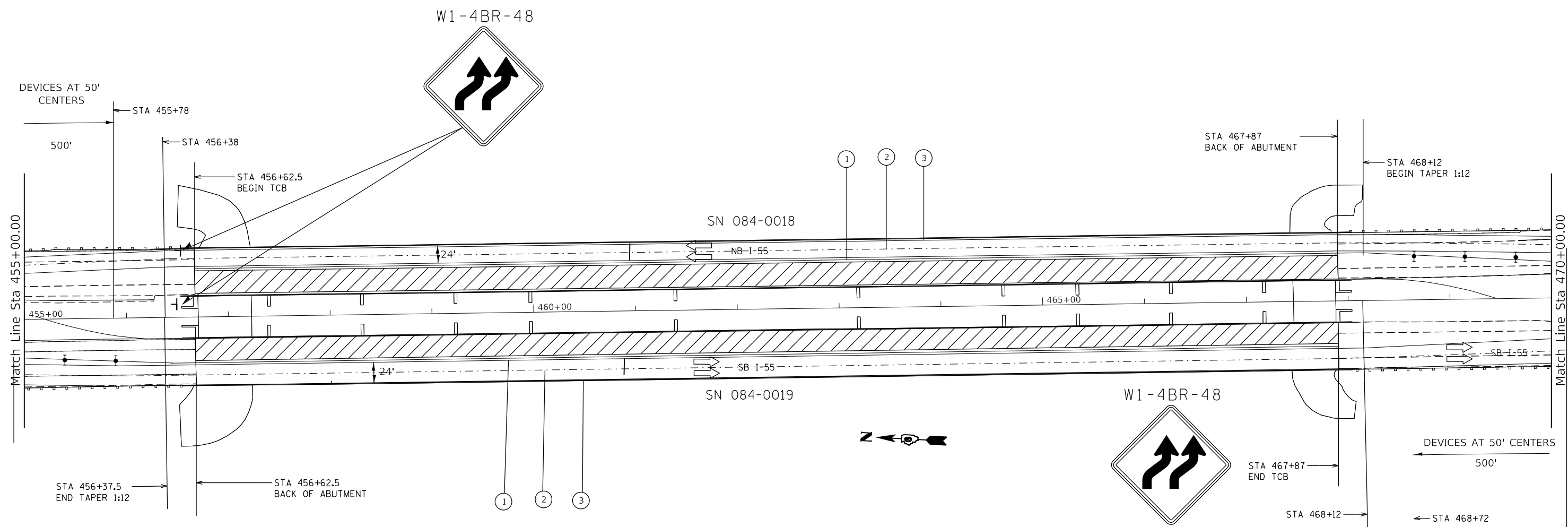
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**Stage 1 Traffic Control
 SN 084-0018 & -0019**

SCALE: SHEET 2 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	32
				CONTRACT NO. 72L67
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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 SHEETS: 0672167-ht-ctg.dwg



- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

USER NAME = EDWARDSJD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

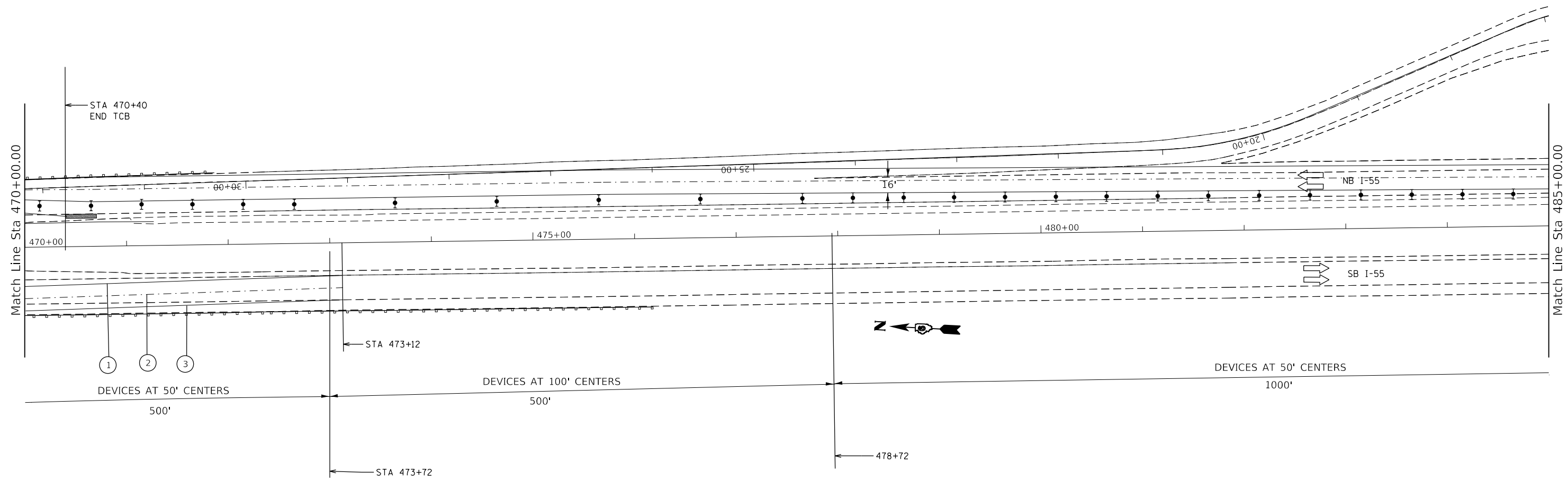
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**Stage 1 Traffic Control
 SN 084-0018 & -0019**

SCALE: SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	33
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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USER NAME = EDWARDSJD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**Stage 1 Traffic Control
 SN 084-0018 & -0019**

SCALE: SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	34
				CONTRACT NO. 72L67
		ILLINOIS	FED. AID PROJECT	

SEE SHEET 85 FOR LANE SHIFT DETAIL



MODEL: Default
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USER NAME = EDWARDSJD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 12/18/2020	DATE -	REVISED -

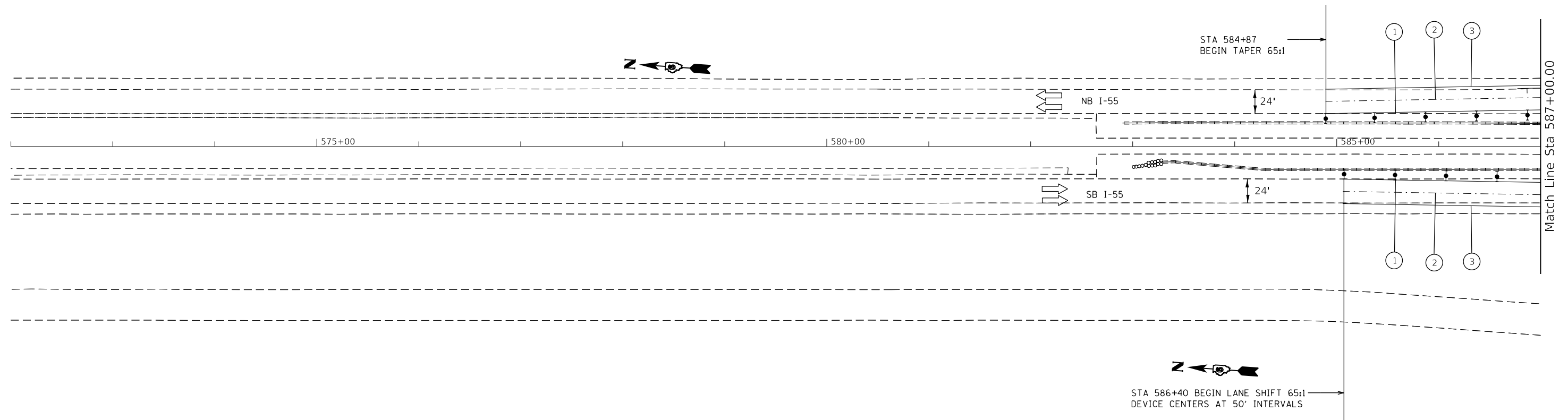
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**Stage 1 Traffic Control
SN 084-0018 & -0019**

SCALE: SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	35
CONTRACT NO. 72L67				
ILLINOIS		FED. AID PROJECT		

SEE SHEET 85 FOR LANE SHIFT DETAIL



- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

MODEL: Default
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USER NAME = EDWARDSJD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

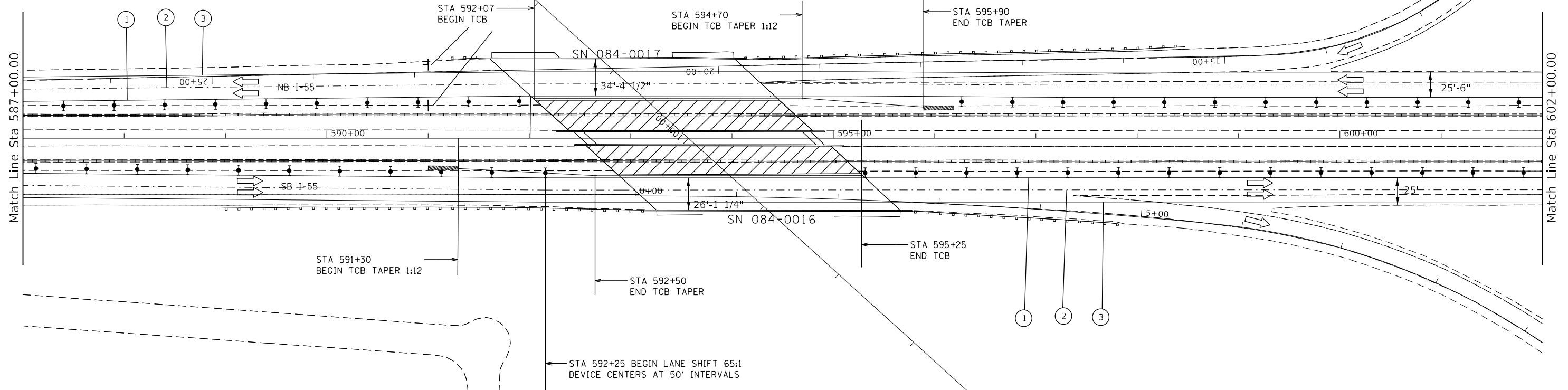
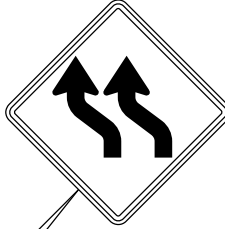
**Stage 1 Traffic Control
SN 084-0014, -0015, -0016 & -0017**

SCALE: SHEET 6 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	36
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

00+50.1

W1-4BL-48



- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

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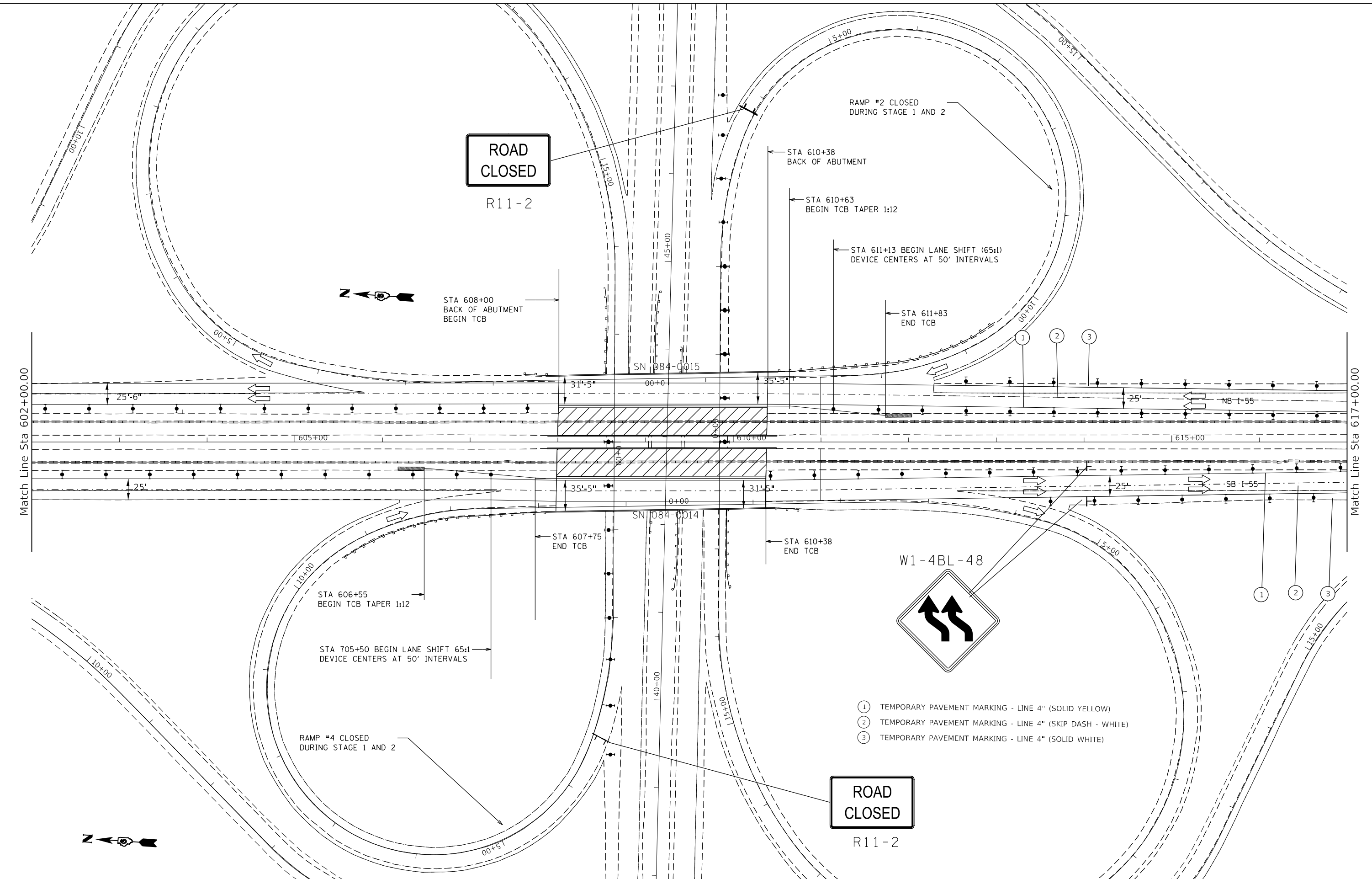
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Stage 1 Traffic Control			
SN 084-0014, -0015, -0016 & -0017			
SCALE:	SHEET 7	OF 9 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	37
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

MODEL: Default
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USER NAME = EDWARDSJD	DESIGNED -	REVISED -
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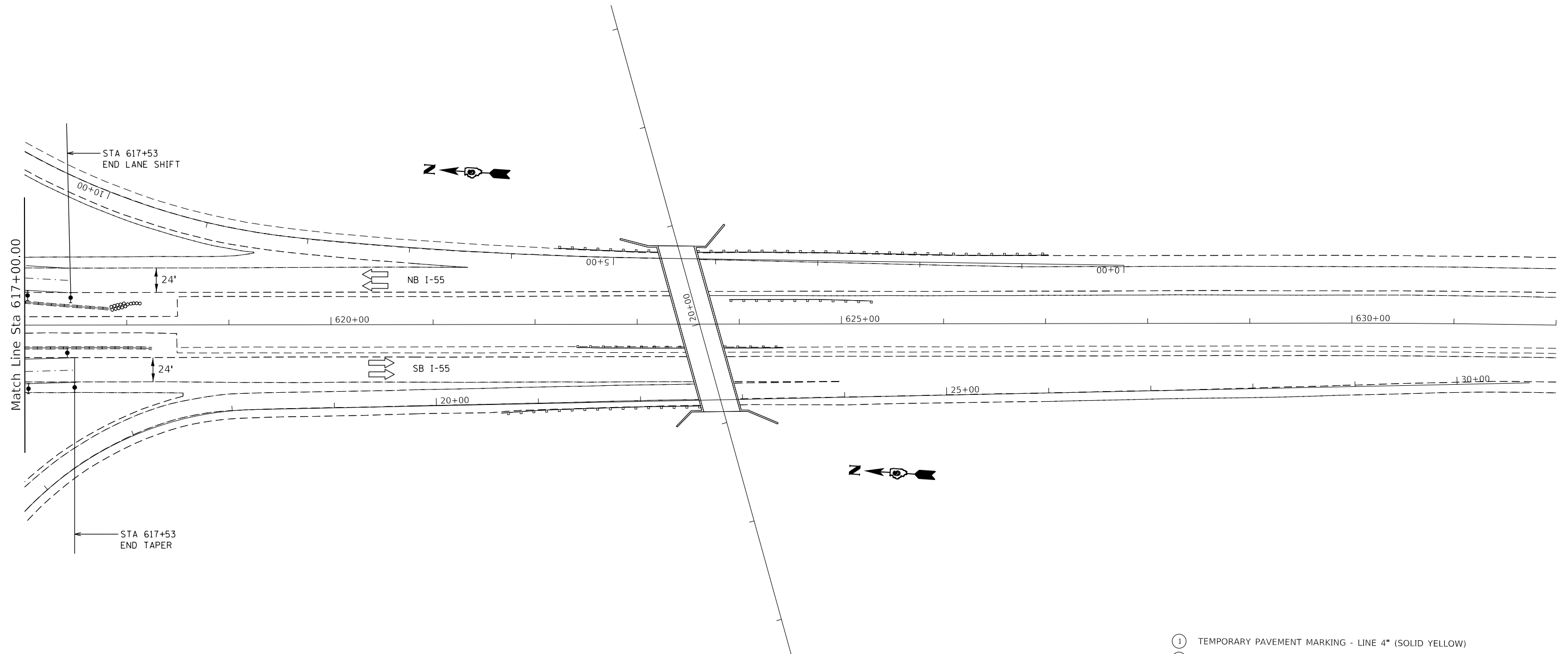
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

Stage 1 Traffic Control
SN 084-0014, -0015, -0016 & -0017

SCALE: SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	38
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

SEE SHEET 85 FOR LANE SHIFT DETAIL



- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

MODEL: Default
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DRAWN -	REVISOR -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**Stage 1 Traffic Control
SN 084-0014, -0015, -0016 & -0017**

SCALE: SHEET 9 OF 9 SHEETS STA. TO STA.

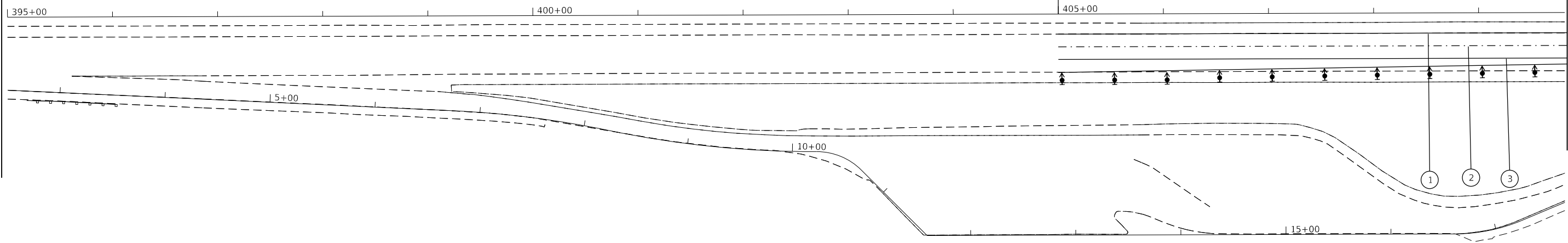
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	39
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

3 TO 2 LANE TRANSITION (65:1) STA. 405+20 TO STA. 413+00

DIRECTIONAL INDICATOR BARRICADES @ 50' CENTERS

Match Line Sta 395+00.00

Match Line Sta 410+00.00



- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

MODEL: Default
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USER NAME = EDWARDSJD	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

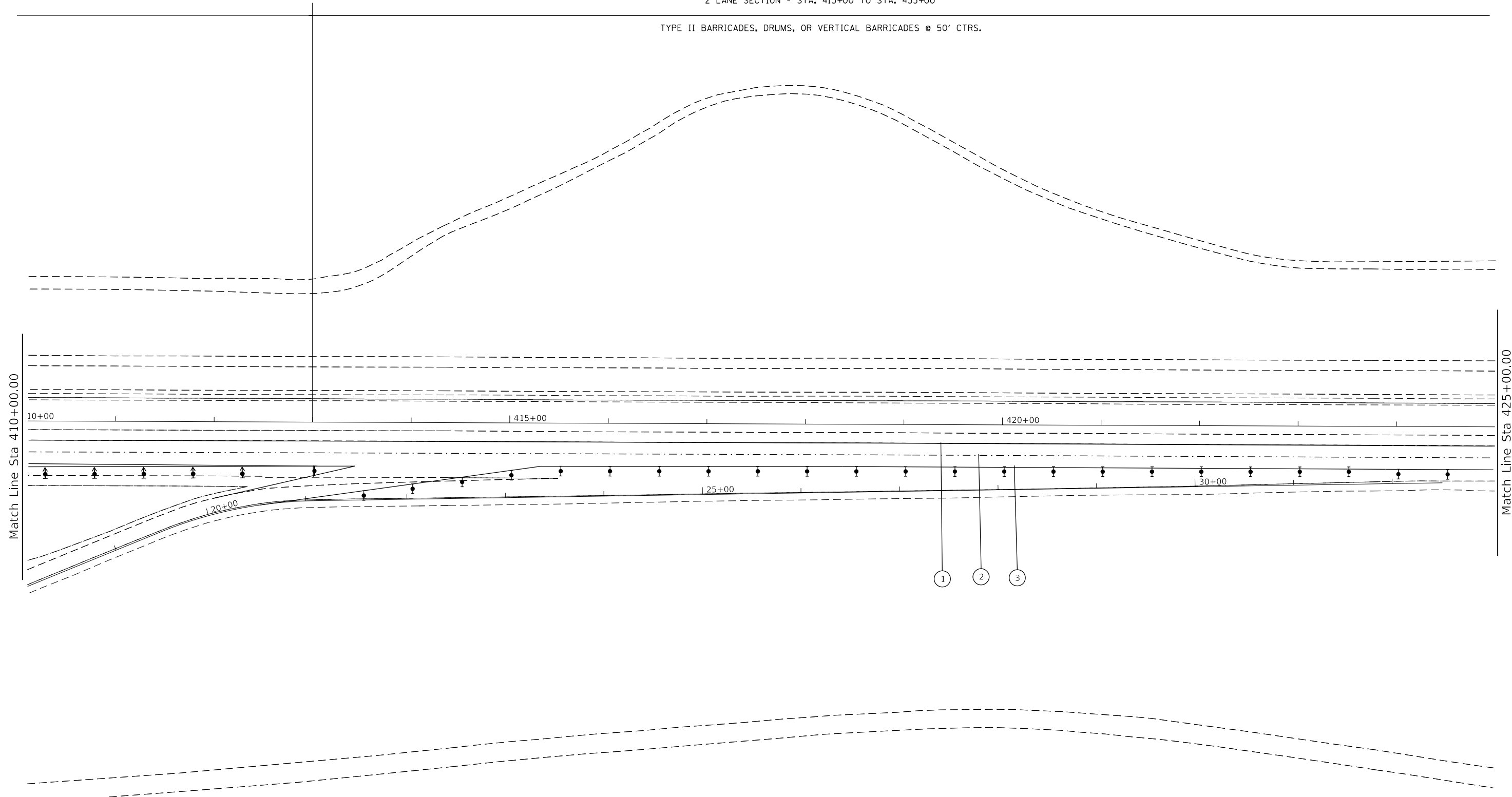
**Stage 2 Traffic Control
SN 084-0018 & -0019**

SCALE: SHEET 1 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	40
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L67	

2 LANE SECTION - STA. 413+00 TO STA. 433+00

TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES @ 50' CTRS.



- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

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DRAWN -	REVISIED -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

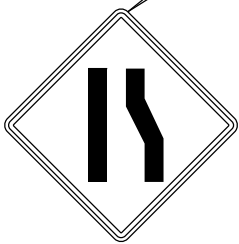
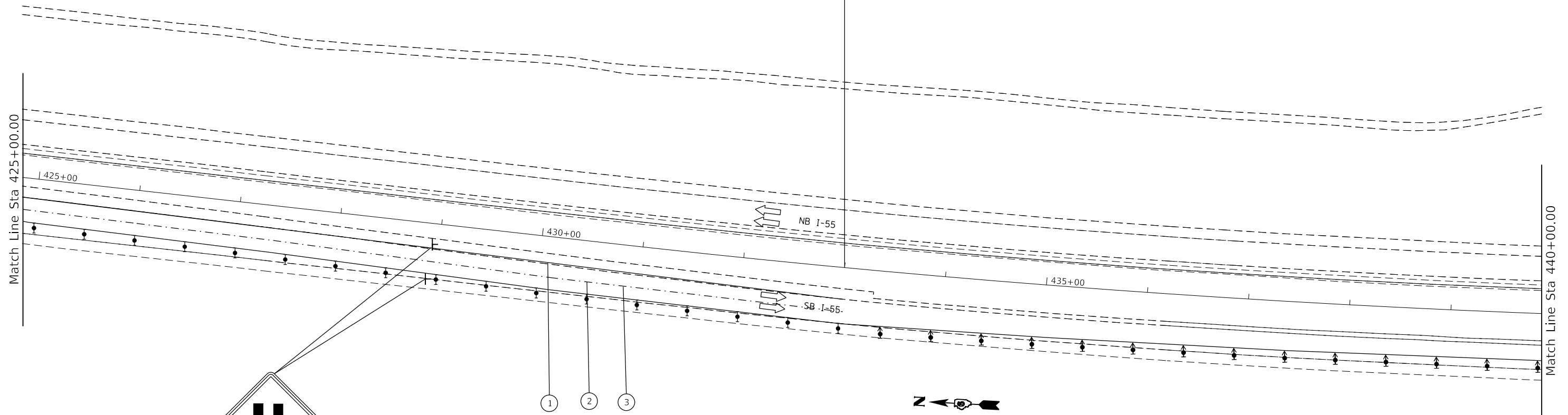
**Stage 2 Traffic Control
SN 084-0018 & -0019**

SCALE: SHEET 2 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	41
CONTRACT NO. 72L67			ILLINOIS FED. AID PROJECT	

2 LANE TO 1 LANE TRANSITION (65:1) - STA 433+00 TO STA 440+80

DIRECTIONAL INDICATOR BARRICADES @ 50' CTRS.



W 4-2R(0)-48

- ①
- ②
- ③

- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

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PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**Stage 2 Traffic Control
SN 084-0018 & -0019**

SCALE: SHEET 3 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	42
ILLINOIS			FED. AID PROJECT	

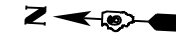
CONTRACT NO. 72L67

1 LANE SECTION - STA. 440+80 TO STA. 450+90

1 LANE SECTION SHIFT LEFT - STA. 450+90 TO STA. 456+20

TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES @ 100' CTRS.

TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES @ 50' CTRS.



Match Line Sta 440+00.00

Match Line Sta 455+00.00

440+00

445+00

450+00

NB I-55

SB I-55

TEMPORARY CONCRETE BARRIER

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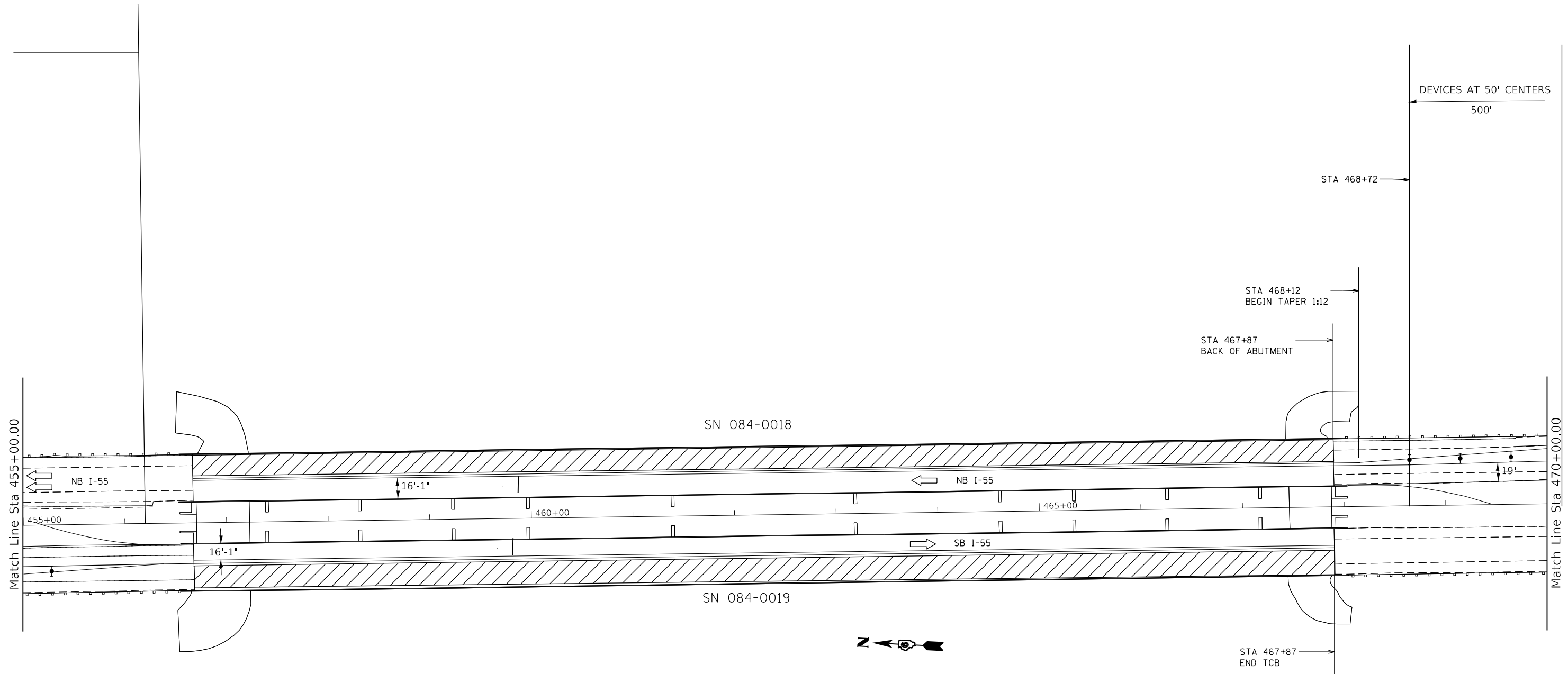
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**Stage 2 Traffic Control
SN 084-0018 & -0019**

SCALE: SHEET 4 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	43
				CONTRACT NO. 72L67
		ILLINOIS	FED. AID PROJECT	

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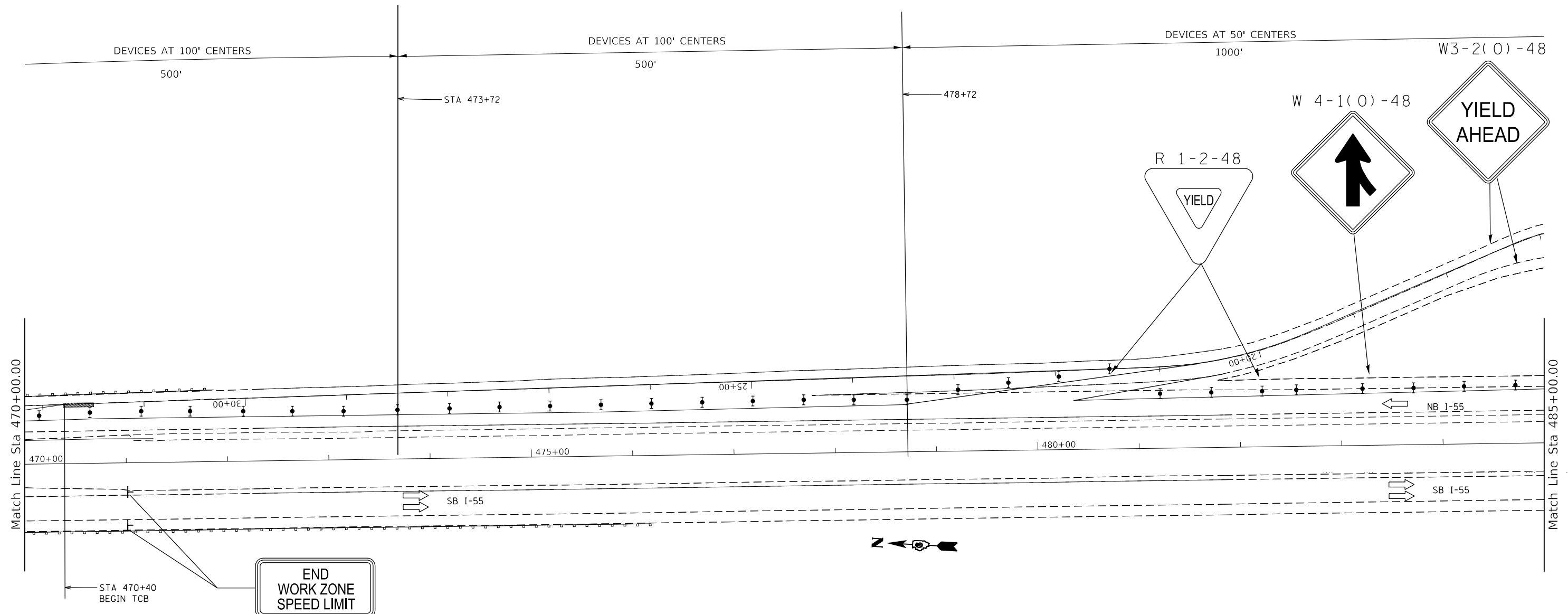
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	DRAWN -	REVISED -
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PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**Stage 2 Traffic Control
 SN 084-0018 & -0019**

SCALE: SHEET 5 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	44
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



END
WORK ZONE
SPEED LIMIT

G 20-I103(0)-3660

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PLOT DATE = 12/18/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

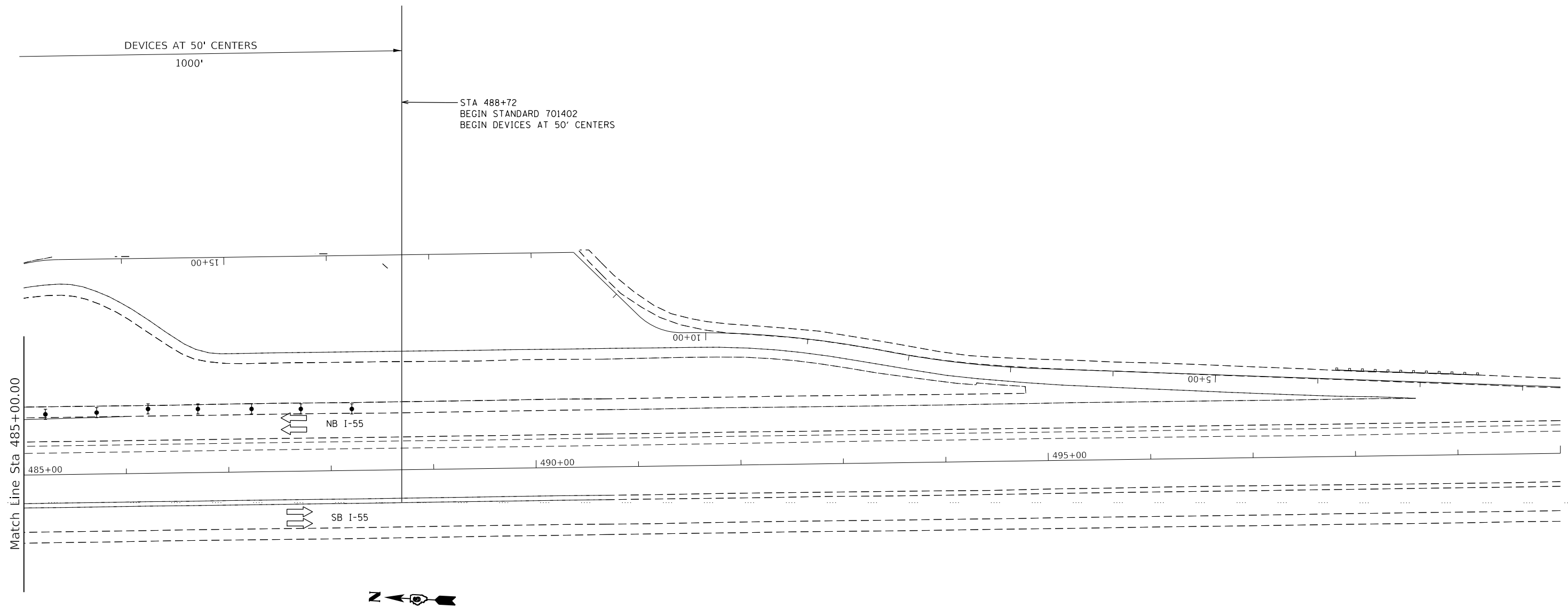
Stage 2 Traffic Control
SN 084-0018 & -0019

SCALE: SHEET 6 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	45
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L67	

DEVICES AT 50' CENTERS
1000'

← STA 488+72
BEGIN STANDARD 701402
BEGIN DEVICES AT 50' CENTERS



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	DATE -	REVISED -

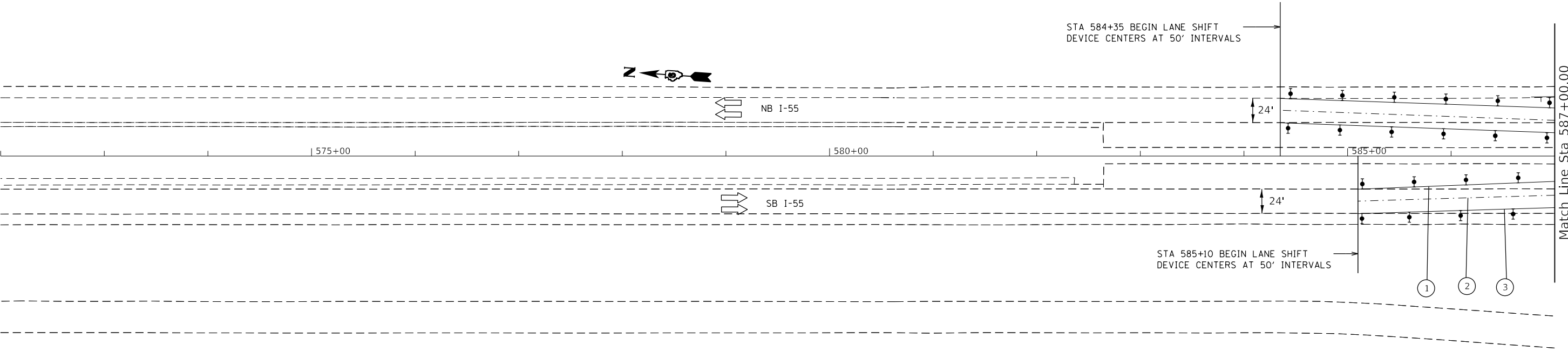
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Stage 2 Traffic Control
SN 084-0018 & -0019

SCALE: SHEET 7 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	46
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

SEE SHEET 94 FOR LANE SHIFT DETAIL



- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

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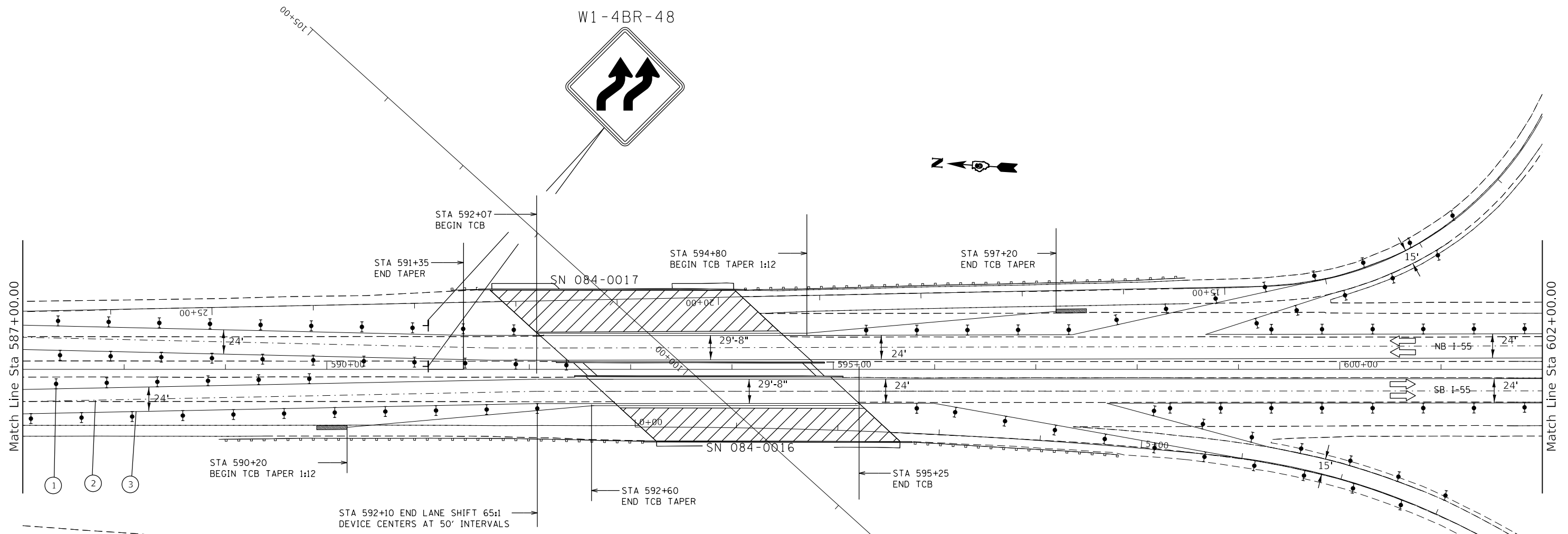
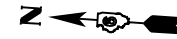
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Stage 2 Traffic Control			
SN 084-0014, -0015, -0016 & -0017			
SCALE:	SHEET 8	OF 11 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	47
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

Note: 701411 APPLIES TO BOTH NB & SB RAMPS

W1-4BR-48



- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

Stage 2 Traffic Control			
SN 084-0014, -0015, -0016 & -0017			
SCALE:	SHEET 9	OF 11 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	48
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

Note: 701411 APPLIES TO BOTH NB & SB RAMPS

ROAD CLOSED
R11-2

RAMP #2 CLOSED DURING STAGE 1 AND 2

STA 610+38 BACK OF ABUTMENT

STA 610+63 BEGIN TCB TAPER 1:12

STA 611+13 BEGIN LANE SHIFT TAPER DEVICE CENTERS AT 50' INTERVALS

STA 608+00 BACK OF ABUTMENT BEGIN TCB

STA 612+79 END TCB TAPER

Match Line Sta 602+00.00

Match Line Sta 617+00.00

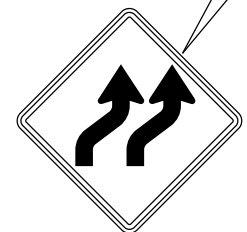
NB I-55

SB I-55

STA 607+75 END TCB TAPER

STA 605+35 BEGIN TCB TAPER 1:12

STA 610+38 END TCB



W1-4BR-48

- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

ROAD CLOSED
R11-2

RAMP #4 CLOSED DURING STAGE 1 AND 2



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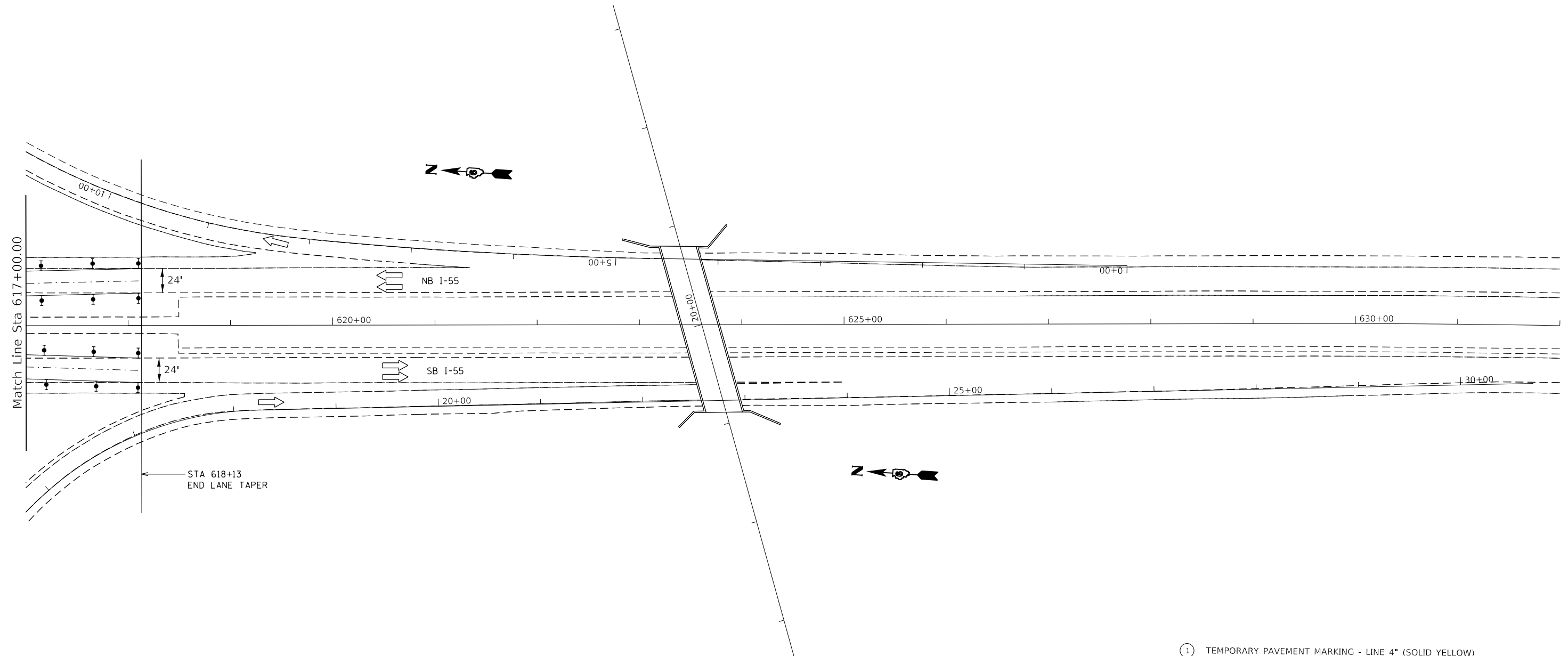
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	DRAWN -	REVISED -
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PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Stage 2 Traffic Control	
SN 084-0014, -0015, -0016 & -0017	
SCALE:	SHEET 10 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	49
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

SEE SHEET 94 FOR LANE SHIFT DETAIL



- ① TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- ② TEMPORARY PAVEMENT MARKING - LINE 4" (SKIP DASH - WHITE)
- ③ TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)

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	DRAWN -	REVISED -
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PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

Stage 2 Traffic Control			
SN 084-0014, -0015, -0016 & -0017			
SCALE:	SHEET 11	OF 11 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	50
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

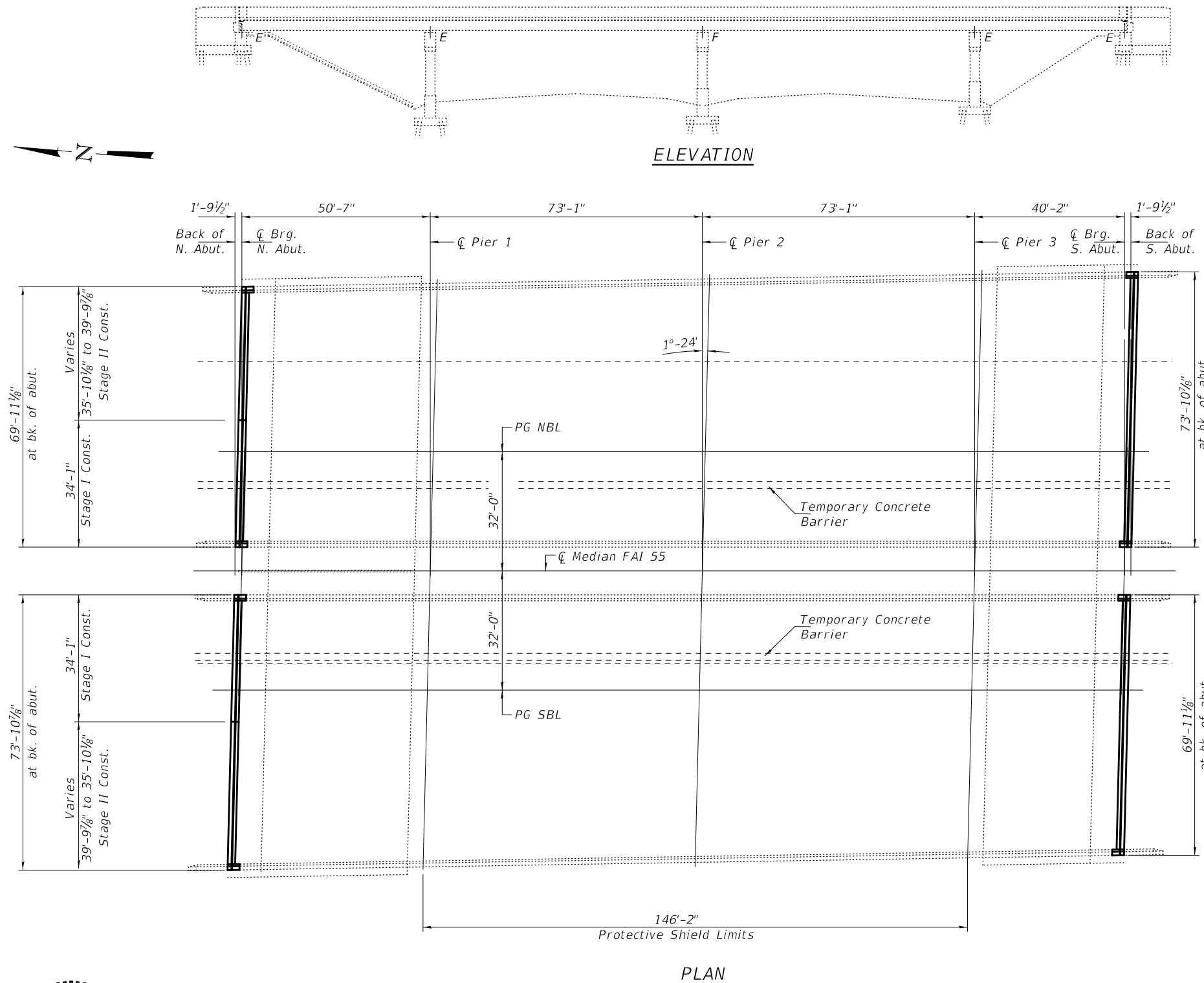
Reinforcement bars designated (E) shall be epoxy coated.

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.

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

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.



084-0015

084-0014

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	26.7
Concrete Superstructure	Cu. Yd.	26.5
Preformed Joint Strip Seal	Foot	284
Reinforcement Bars, Epoxy Coated	Pound	5020
Bar Splicers	Each	24
* Protective Coat	Sq. Yd.	3697
Bridge Deck Microsilica Overlay 2 3/4"	Sq. Yd.	3640
Structural Repair of Concrete (≤ 5")	Sq. Ft.	84
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	2880
Diamond Grinding (Bridge Section)	Sq. Yd.	3597
Bridge Deck Scarification 3/4"	Sq. Yd.	3640
Deck Slab Repair (Full Depth Type II)	Sq. Yd.	21.1
Protective Shield	Sq. Yd.	2334
Joint Sealing (Patches)	Foot	210

* On new concrete and concrete overlay only.



EXPIRES 11-30-2022

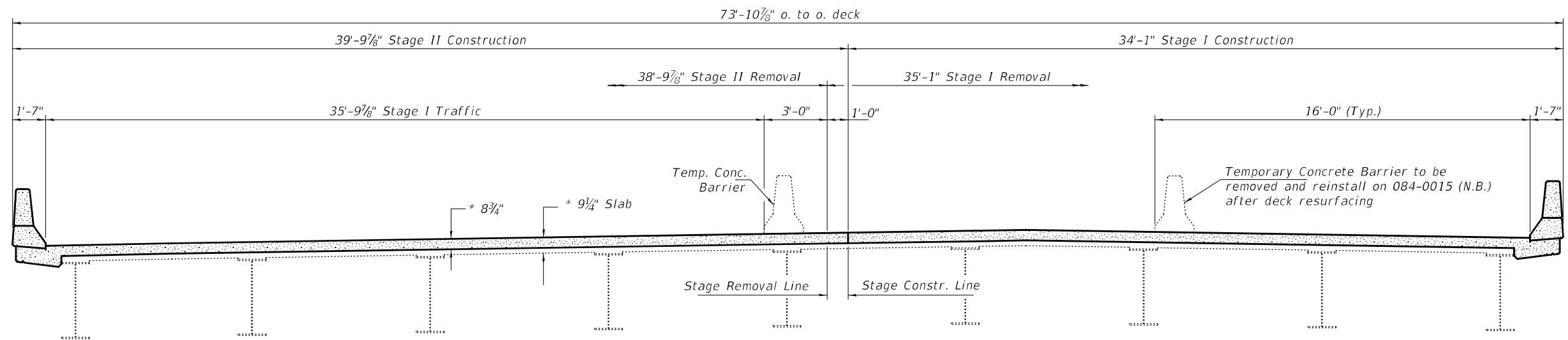
DESIGNED - Chi-Cheung Chau	EXAMINED - <i>Tony A. Beck</i>	DATE - JANUARY 31, 2021
CHECKED - Stephen M. Ryan	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Reddy	PASSED - <i>David Puzey</i>	REVISED -
CHECKED - CCC SMR	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
F.A.I. 55 OVER SANGAMON AVE.
SN 084-0014 (SB) & 0015 (NB)**

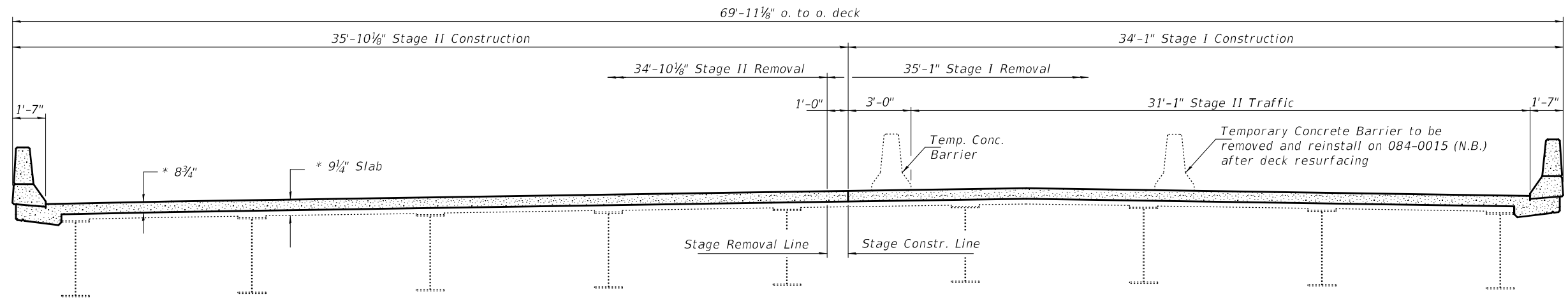
SHEET NO. 1 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	51
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



CROSS SECTION THRU BRIDGE DECK AT ABUTMENT

N. Abut (0014) - Looking North
S. Abut (0015) - Looking South



CROSS SECTION THRU BRIDGE DECK AT ABUTMENT

S. Abut (0014) - Looking North
N. Abut (0015) - Looking South

* Prior to 1/4" Diamond Grinding

Note:
See sheet 3 of 14 for Cross Section
Thru Bridge Deck at Mid Span.

DESIGNED - CCC
CHECKED - SMR
DRAWN - Venkat Reddy
CHECKED - CCC SMR

EXAMINED	<i>Timothy A. ...</i>
PASSED	<i>Carl ...</i>
ENGINEER OF STRUCTURAL SERVICES	
ENGINEER OF BRIDGES AND STRUCTURES	

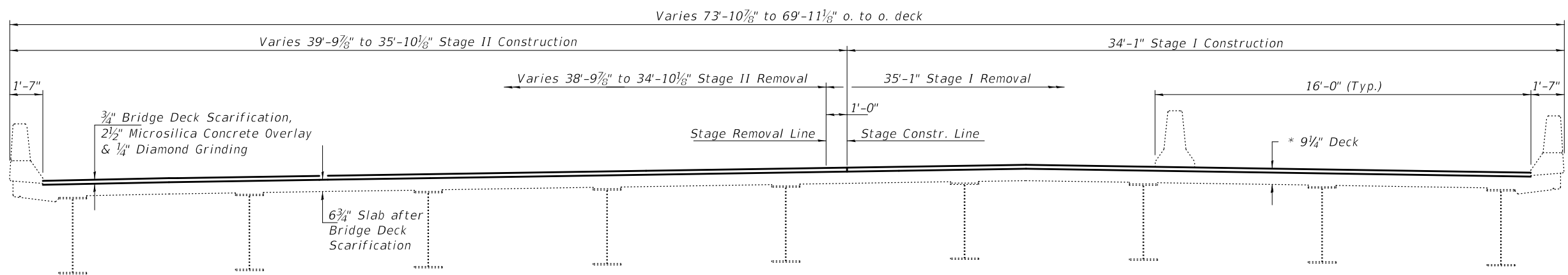
DATE -	JANUARY 31, 2021
REVISED -	-
REVISED -	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS & STAGING DETAILS
SN 084 - 0014 (SB) & 0015 (NB)

SHEET NO. 2 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	52
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



CROSS SECTION THRU BRIDGE DECK AT MID SPAN

SN 0015 NB Bridge, Looking South
 SN 0014 SB Bridge, Looking North

* Prior to 1/4" grinding.

DESIGNED - CCC
 CHECKED - SMR
 DRAWN - Venkat Reddy
 CHECKED - CCC SMR

EXAMINED
 PASSED
Timothy A. Daulton
 ENGINEER OF STRUCTURAL SERVICES
Carl R. Meyer
 ENGINEER OF BRIDGES AND STRUCTURES

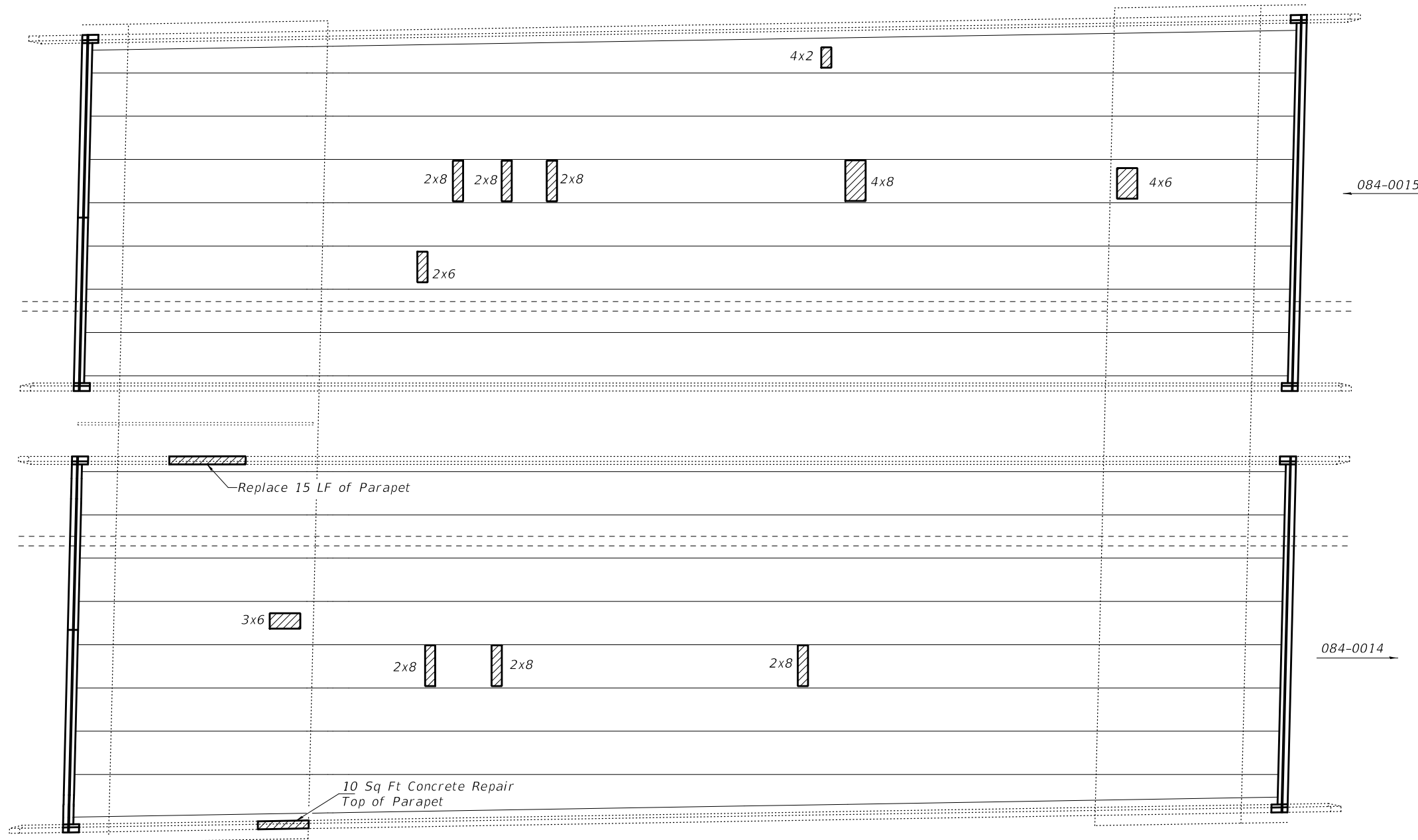
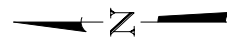
DATE - JANUARY 31, 2021
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS & STAGING DETAILS
 SN 084 - 0014 (SB) & 0015 (NB)**

SHEET NO. 3 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	53
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



Deck Slab Repair
(Full Depth, Type II)

DECK SOFFITT PATCHING PLAN

Notes:
 Hatched area indicates Deck Slab Repair (Full Depth, Type II).
 Actual location and size of patches to be determined by the Engineer in the field.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	21.1

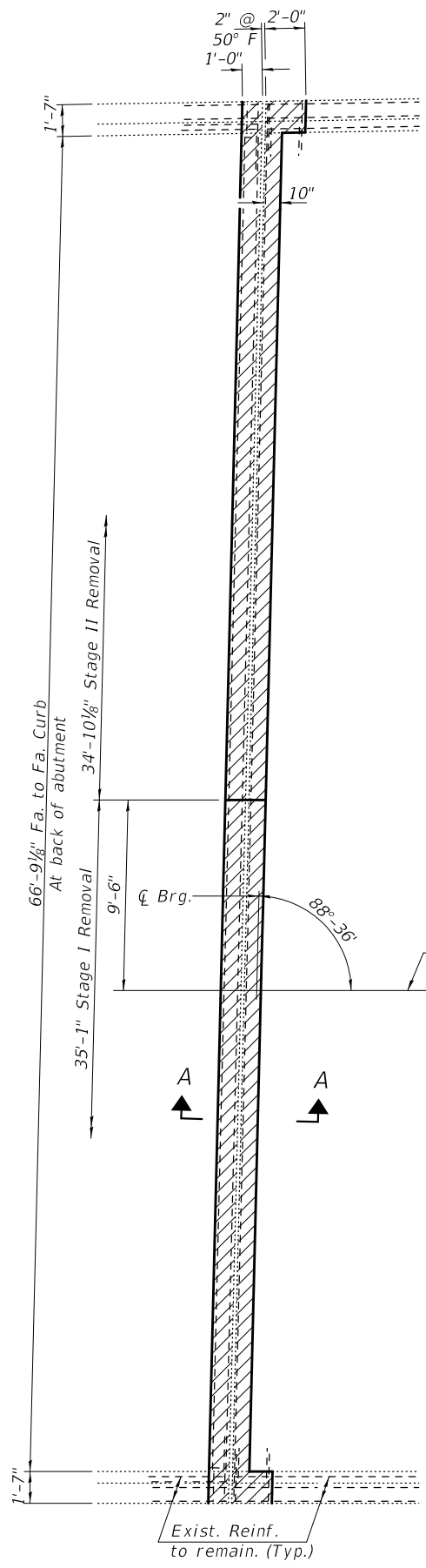
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	 ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Reddy	PASSED	REVISED -
CHECKED - CCC SMR	 ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

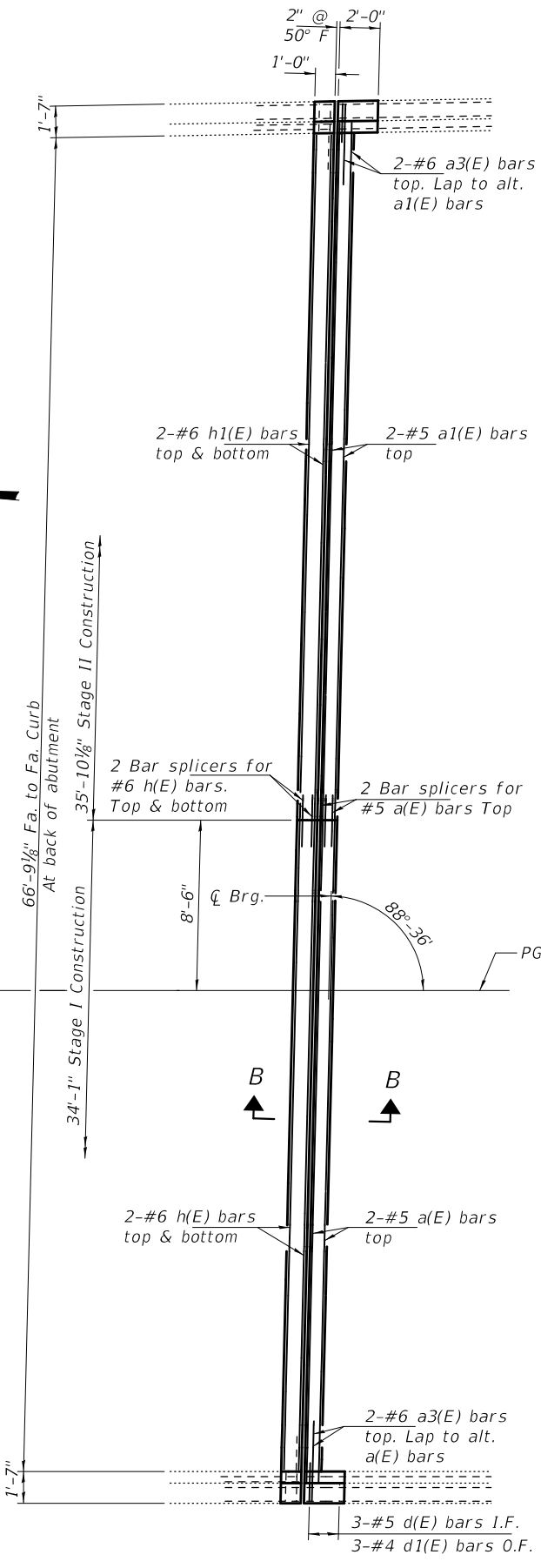
**DECK SLAB REPAIRS (FULL SLAB)
SN 084 - 0014 (SB) & 0015 (NB)**

SHEET NO. 4 OF 14 SHEETS

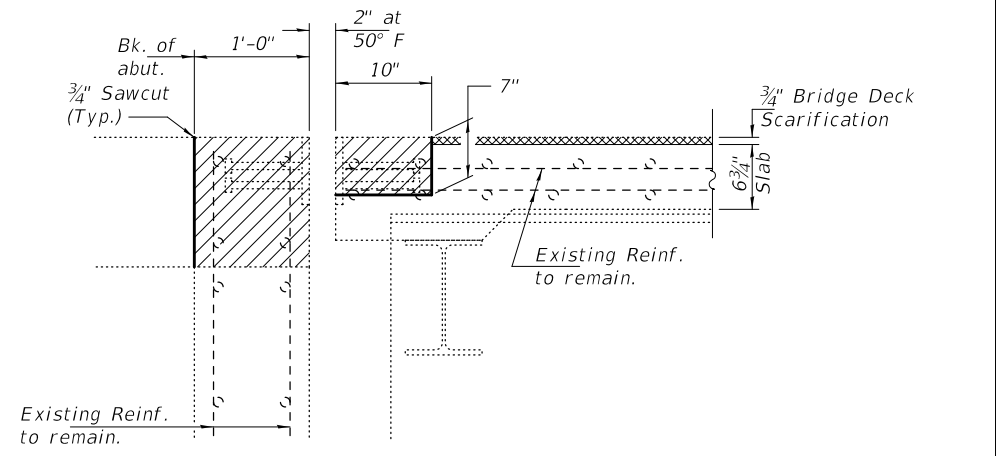
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



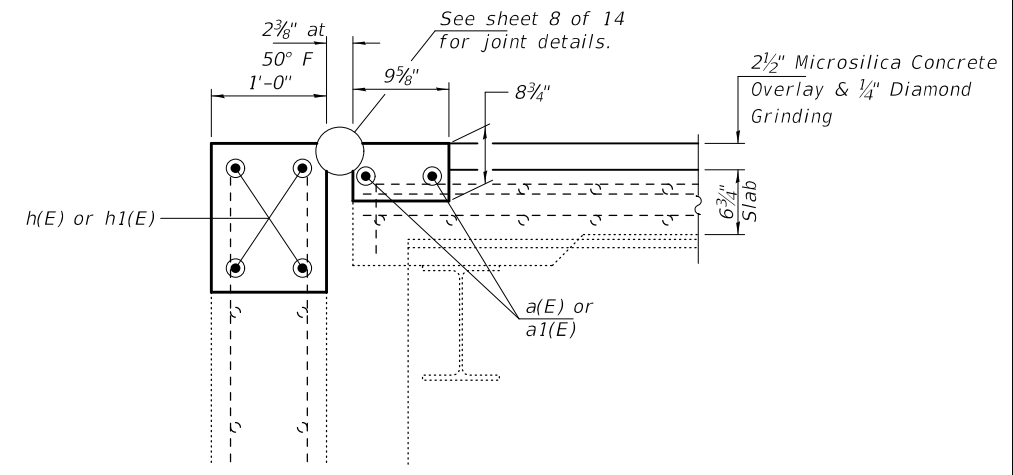
REMOVAL PLAN



REPLACEMENT PLAN



SECTION A-A
(Near CL Roadway)
(Dims at RT L's to end of deck)

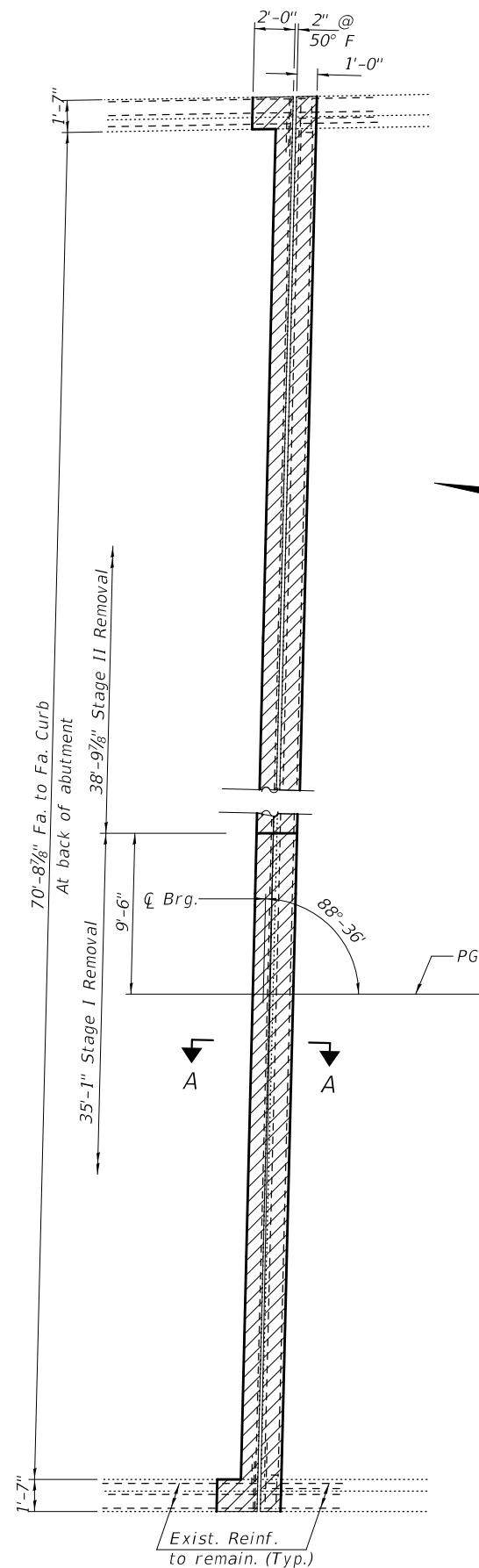


SECTION B-B
(Near CL Roadway)
(Dims at RT L's to end of deck)

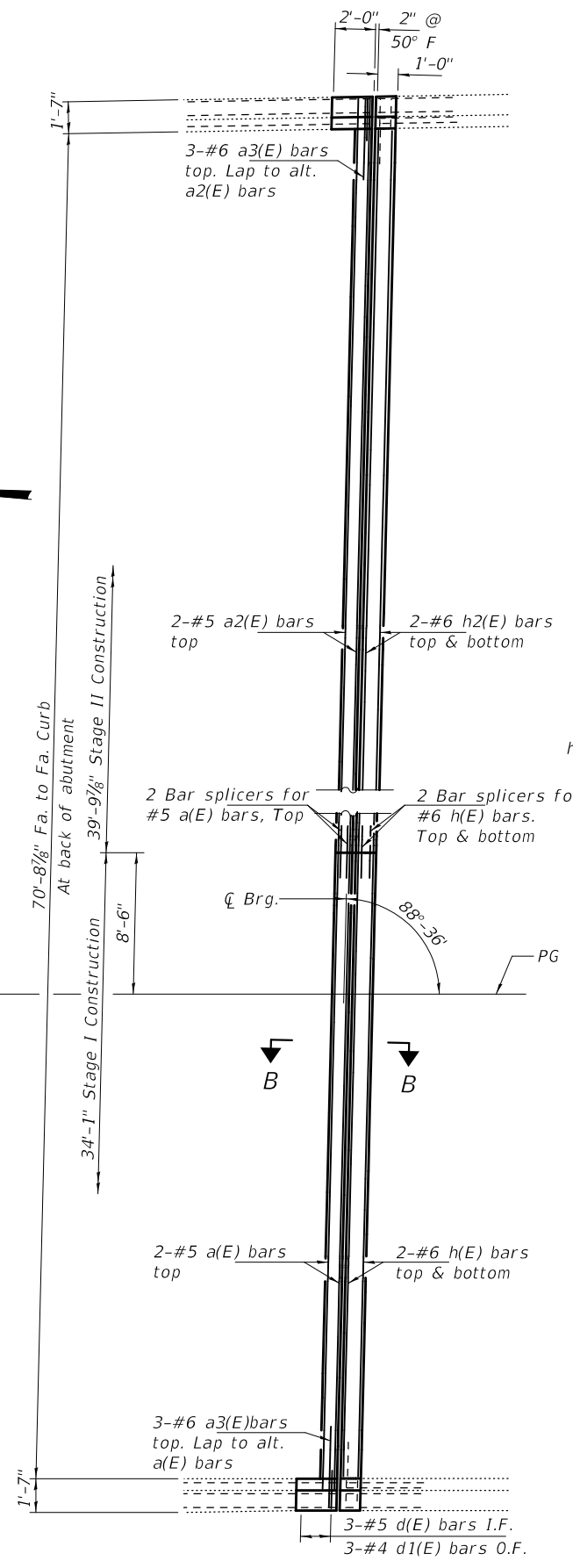
Notes:
Hatched areas indicate removal.
See sheet 7 of 14 for bar details.
See sheet 7 of 14 for section thru approach parapet.

SN 084-0015, North Abutment.
SN 084-0014, South Abutment similar by rotation

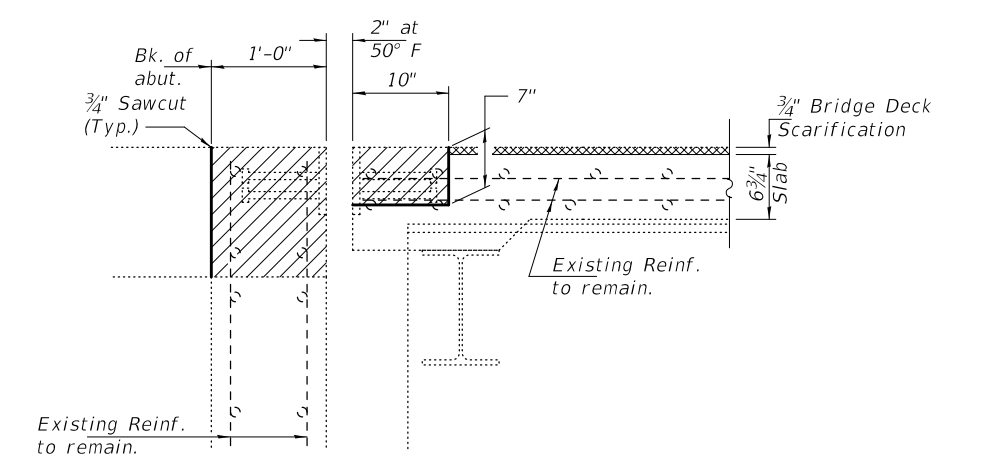
DESIGNED - CCC	EXAMINED - <i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	DATE - JANUARY 31, 2021	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOINT REMOVAL AND REPLACEMENT DETAILS SN 084 - 0014 (SB) & 0015 (NB)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - SMR	PASSED - <i>Carl P. ...</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	55	
DRAWN - Venkat Reddy		REVISED -			CONTRACT NO. 72L67					
CHECKED - CCC SMR					SHEET NO. 5 OF 14 SHEETS					
					ILLINOIS FED. AID PROJECT					



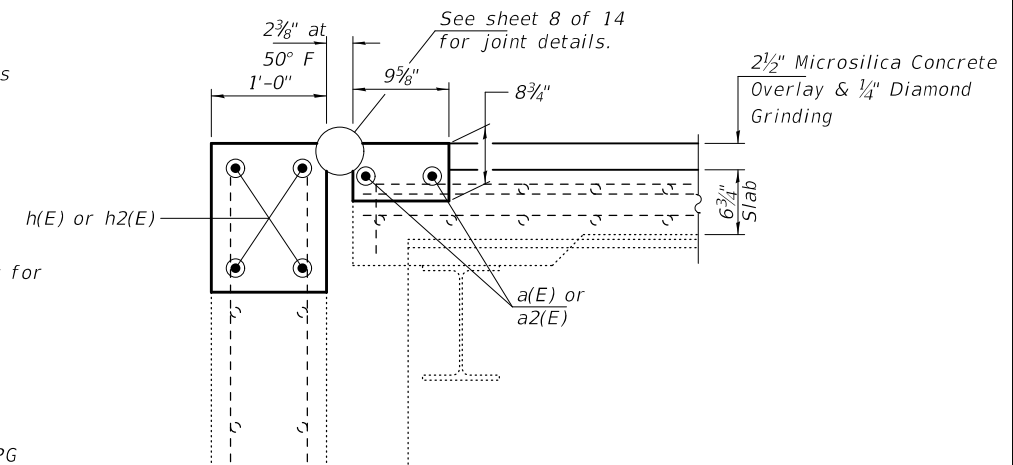
REMOVAL PLAN



REPLACEMENT PLAN



SECTION A-A
(Near \bar{C} Roadway)
(Dims at RT L's to end of deck)

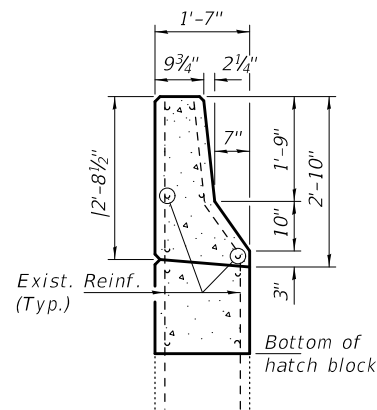


SECTION B-B
(Near \bar{C} Roadway)
(Dims at RT L's to end of deck)

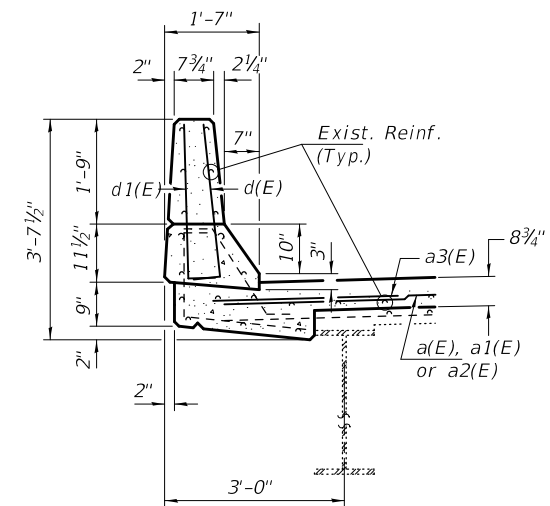
Notes:
Hatched areas indicate removal.
See sheet 7 of 14 for bar details.
See sheet 7 of 14 for section thru approach parapet.

SN 084-0015, South Abutment.
SN 084-0014, North Abutment similar by rotation

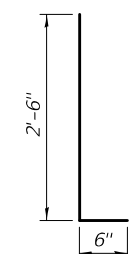
DESIGNED - CCC	EXAMINED - <i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	DATE - JANUARY 31, 2021	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	JOINT REMOVAL AND REPLACEMENT DETAILS SN 084-0014 (SB) & 0015 (NB)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED - SMR	PASSED - <i>Carl Poyner</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	56
DRAWN - Venkat Reddy		REVISED -	SHEET NO. 6 OF 14 SHEETS			CONTRACT NO. 72L67			
CHECKED - CCC SMR						ILLINOIS FED. AID PROJECT			



SECTION THRU APPROACH PARAPET



TYPICAL PARAPET SECTION



BARS d(E) & d1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	8	#5	33'-10"	—
a1(E)	8	#5	35'-8"	—
a2(E)	8	#5	39'-7"	—
a3(E)	20	#6	4'-0"	—
d(E)	24	#5	3'-0"	L
d1(E)	24	#4	3'-0"	L
h(E)	16	#6	33'-10"	—
h1(E)	8	#6	35'-8"	—
h2(E)	8	#6	39'-7"	—
Concrete Removal			Cu. Yd.	26.7
Concrete Superstructure			Cu. Yd.	26.5
Reinforcement Bars, Epoxy Coated			Lbs.	5020

DESIGNED - CCC
 CHECKED - SMR
 DRAWN - Venkat Reddy
 CHECKED - CCC SMR

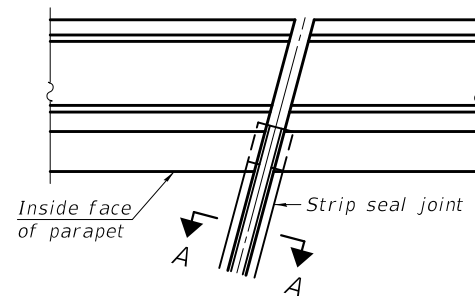
EXAMINED
 PASSED
 ENGINEER OF STRUCTURAL SERVICES
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 31, 2021
 REVISED -
 REVISED -

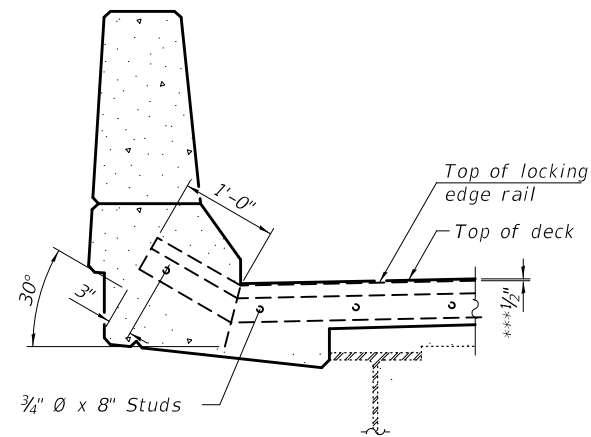
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REPAIR DETAILS
 SN 084-0014 (SB) & 0015 (NB)
 SHEET NO. 7 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	57
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

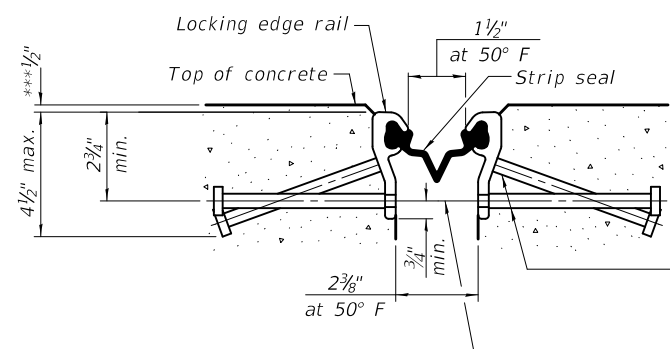


FOR SKEWS $\leq 30^\circ$
PLAN AT PARAPET



*** Prior to 1/4" Grinding

ELEVATION AT PARAPET
 (Skews $\leq 30^\circ$)

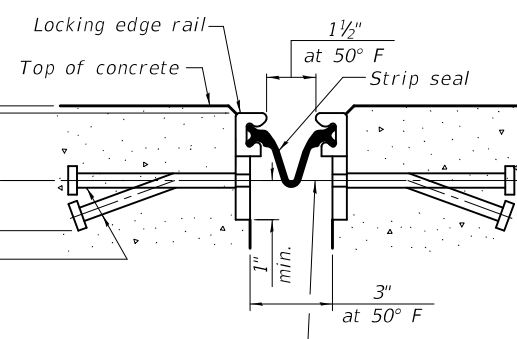


SHOWING ROLLED RAIL JOINT

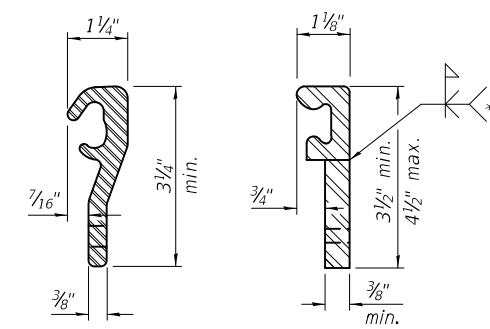
* 5/8" ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)
 3/8" ϕ threaded rods in 7/16" ϕ holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

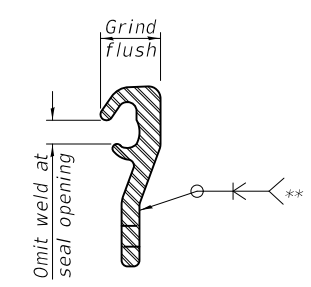


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	284

EJ-SS1 LT30/REPS 2-25-20

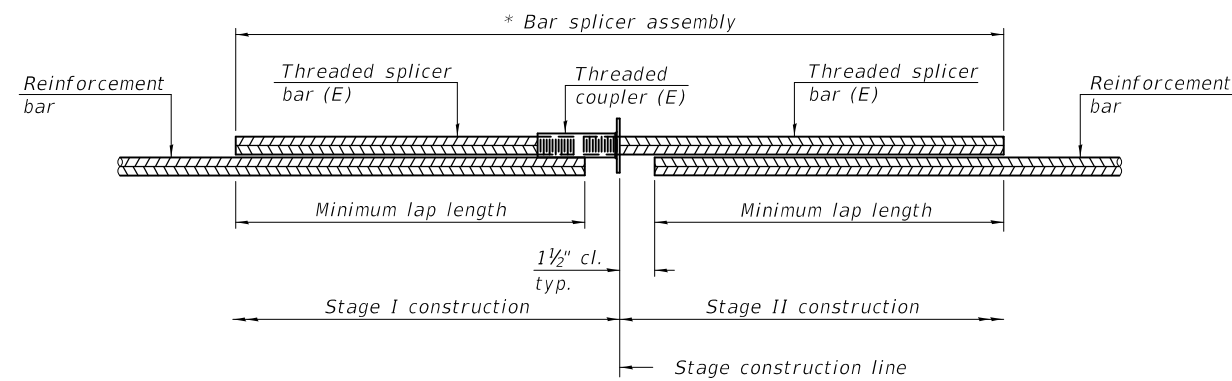
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	<i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Reddy	PASSED	REVISED -
CHECKED - CCC SMR	<i>Carl R. Meyer</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
 SN 084-0014 (SB) & 0015 (NB)

SHEET NO. 8 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	58
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

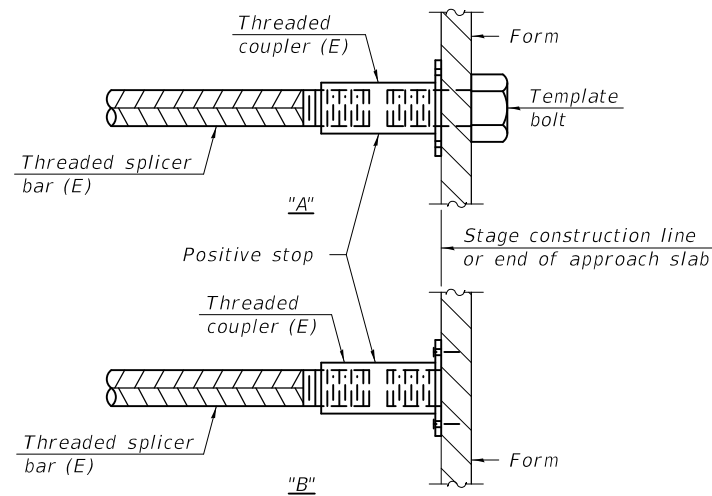


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

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

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

Location	Bar size	No. assemblies required	Minimum lap length
Structure 084-0014			
N. Abut - Deck	#5	2	3'-6"
S. Abut - Deck	#5	2	3'-6"
N. Abut - Appr.	#6	4	4'-0"
S. Abut - Appr.	#6	4	4'-0"
Structure 084-0015			
N. Abut - Deck	#5	2	3'-6"
S. Abut - Deck	#5	2	3'-6"
N. Abut - Appr.	#6	4	4'-0"
S. Abut - Appr.	#6	4	4'-0"

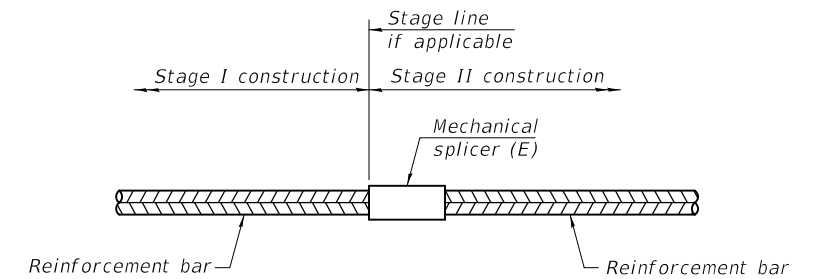


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

1-1-2020

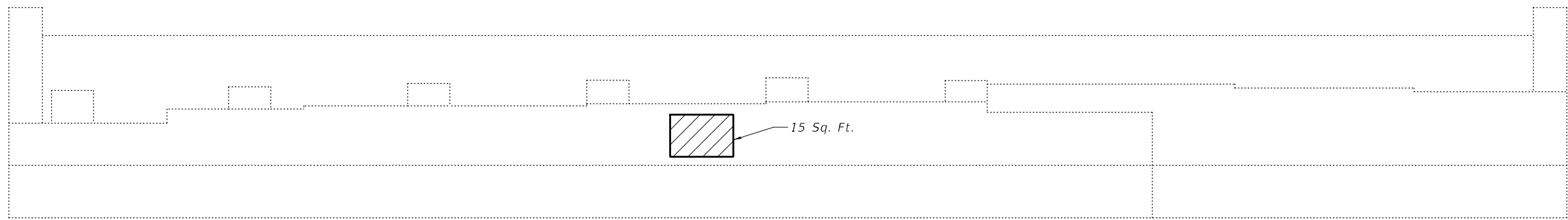
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	<i>Timothy A. ...</i> ENGINEER OF STRUCTURAL SERVICES	REVISED -
DRAWN - Venkat Reddy	PASSED	REVISED -
CHECKED - CCC SMR	<i>Carl ...</i> ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
SN 084 - 0014 (SB) & 0015 (NB)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	59
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

SHEET NO. 9 OF 14 SHEETS





ELEVATION
(North Abut. - Looking North)



BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (≤ 5")	Sq. Ft.	15

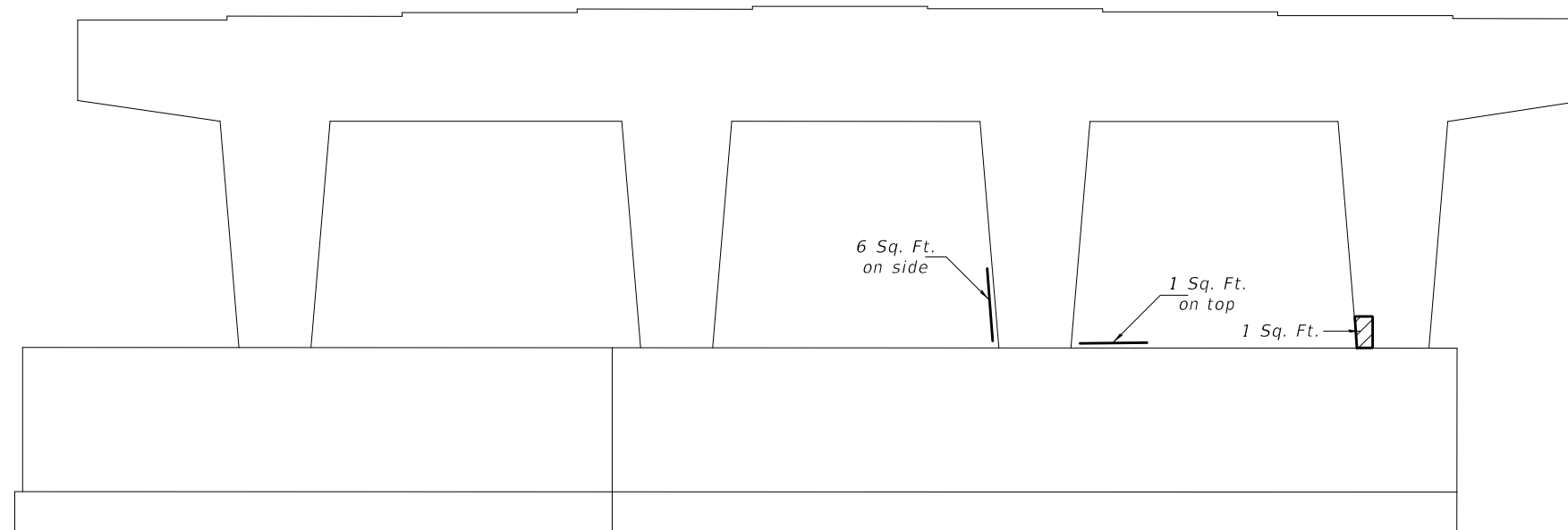
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	 ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Reddy	PASSED	REVISED -
CHECKED - CCC SMR	 ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIRS - ABUTMENTS
SN 084 - 0014 (SB)

SHEET NO. 10 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	60
CONTRACT NO. 72L67				
		ILLINOIS	FED. AID PROJECT	





ELEVATION
(Pier 1 - Looking South)

 Repair Area

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete ($\leq 5"$)	Sq. Ft.	8

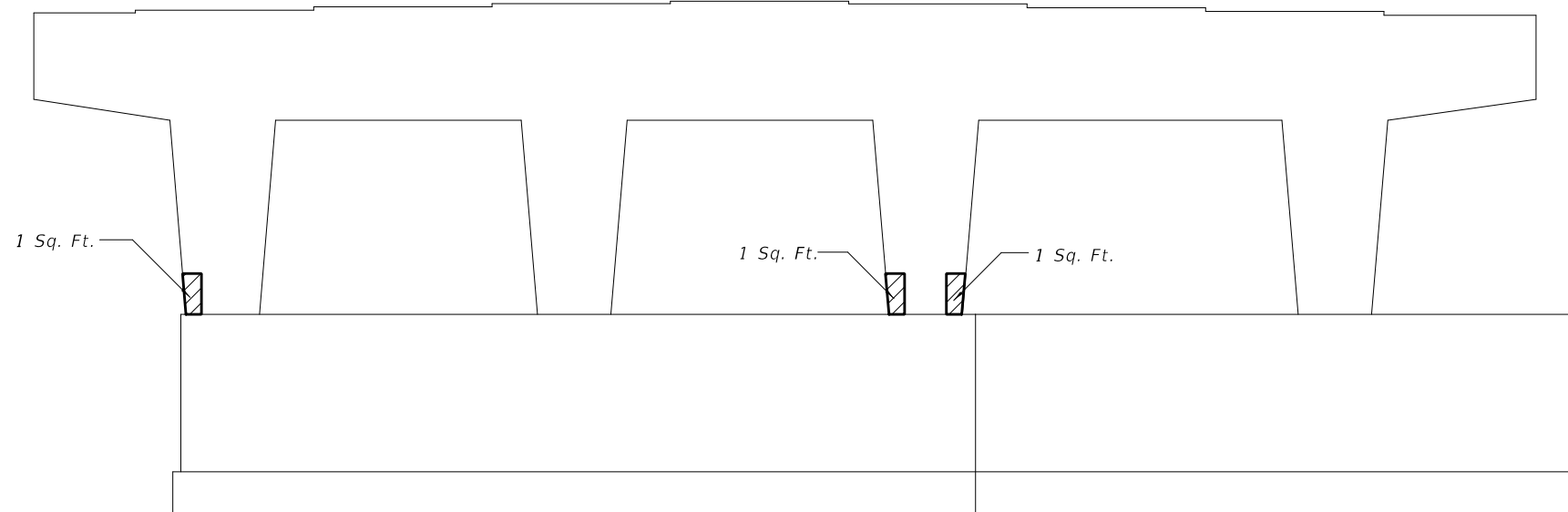
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	 ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Reddy	PASSED	REVISED -
CHECKED - CCC SMR	 ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

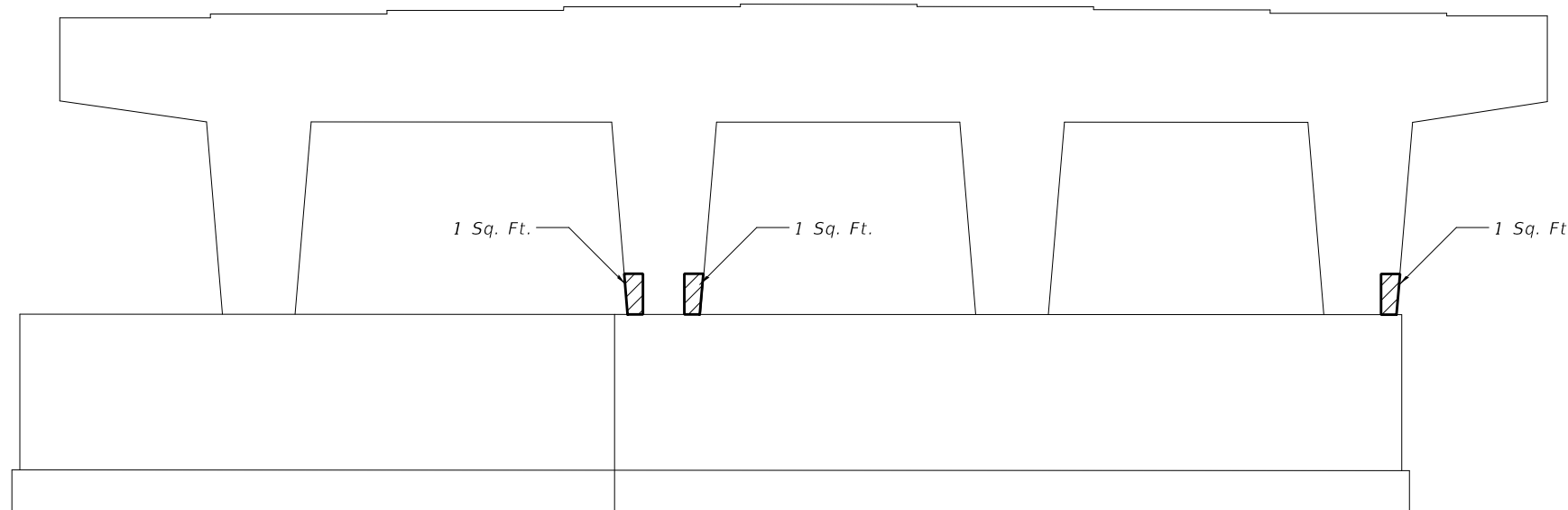
SUBSTRUCTURE REPAIRS - PIERS
SN 084-0014 (SB)

SHEET NO. 11 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	61
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



ELEVATION
(Pier 2 - Looking North)



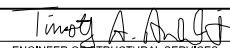
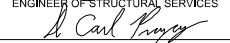
ELEVATION
(Pier 2 - Looking South)

 Repair Area

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete ($\leq 5'$)	Sq. Ft.	6

DESIGNED - CCC
 CHECKED - SMR
 DRAWN - Venkat Reddy
 CHECKED - CCC SMR

EXAMINED

 ENGINEER OF STRUCTURAL SERVICES
 PASSED

 ENGINEER OF BRIDGES AND STRUCTURES

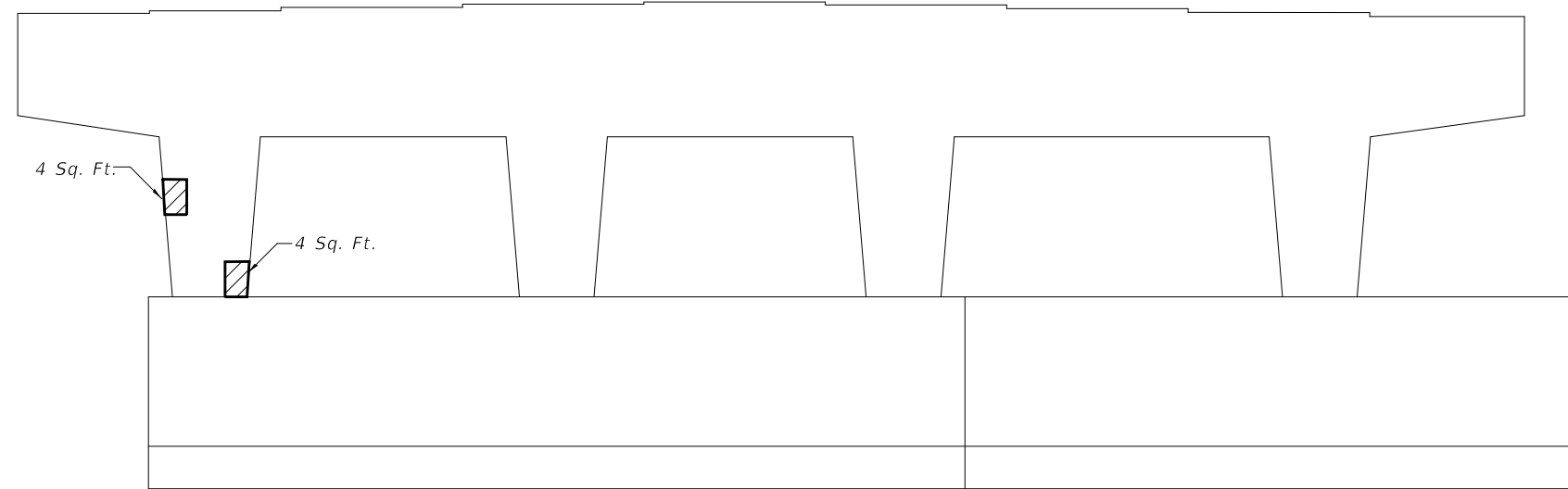
DATE - JANUARY 31, 2021
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIRS - PIERS
SN 084-0014 (SB)

SHEET NO. 12 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	62
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

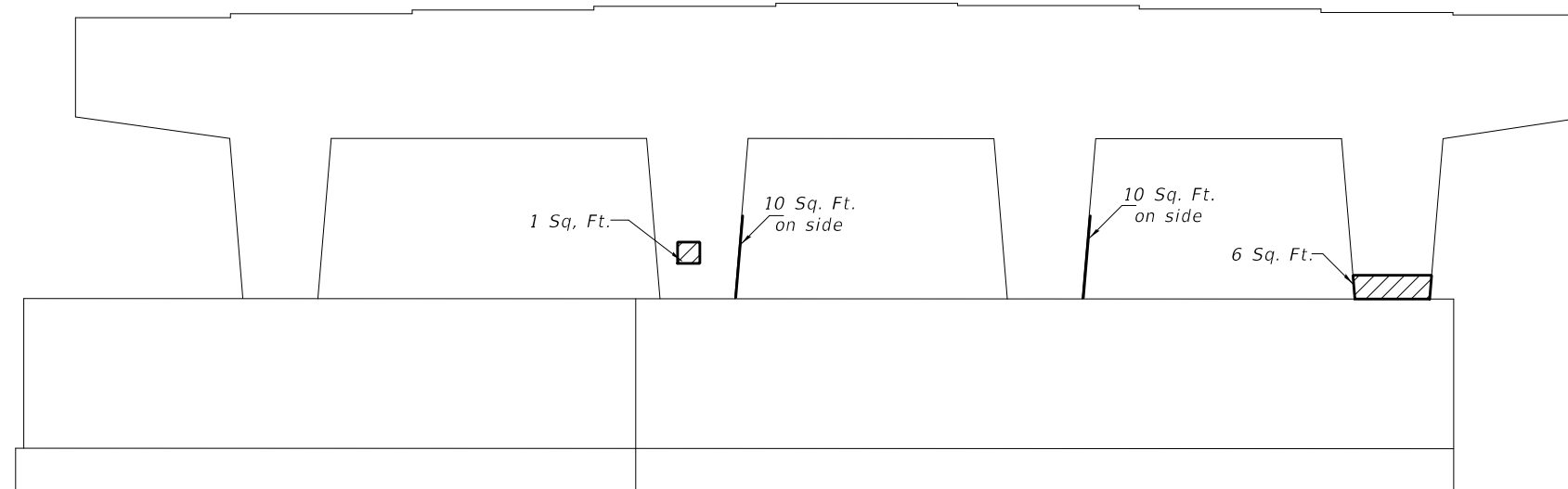


ELEVATION
(Pier 3 - Looking North)

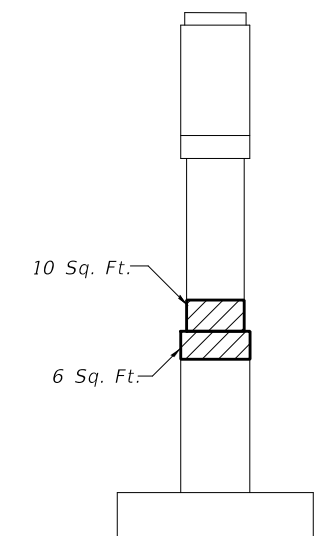
 Repair Area

BILL OF MATERIAL



Item	Unit	Total
Structural Repair of Concrete ($\leq 5'$)	Sq. Ft.	51



ELEVATION
(Pier 3 - Looking South)



END VIEW
(Pier 3 - Looking East)

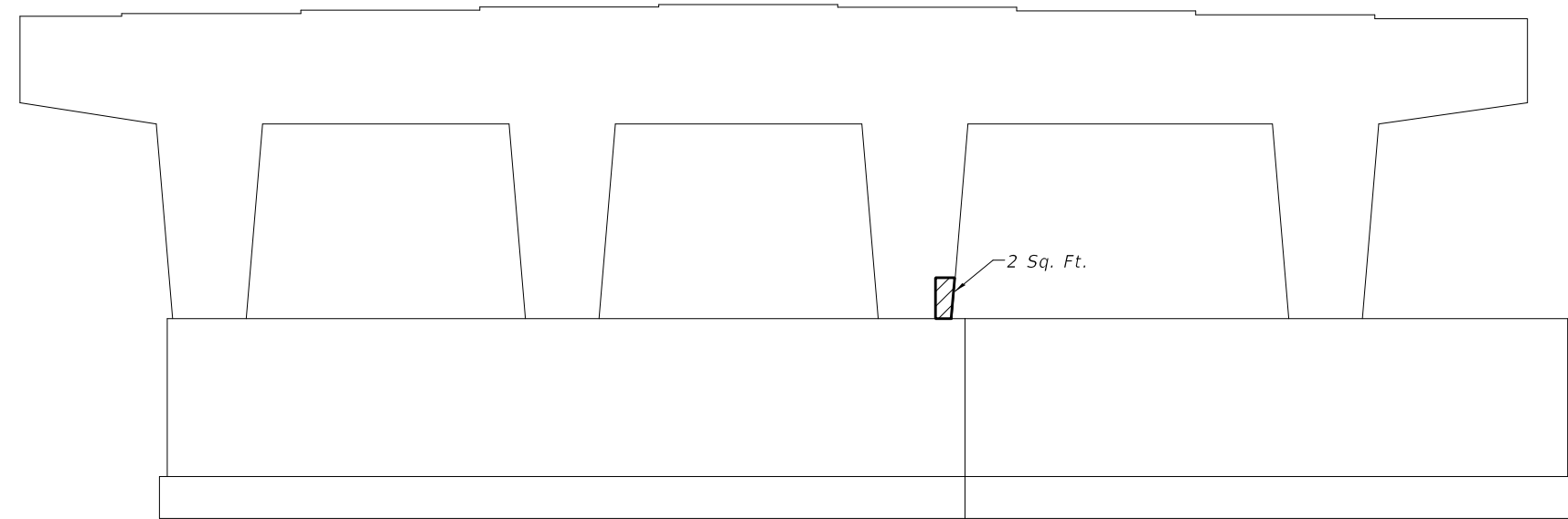
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	 ENGINEER OF STRUCTURAL SERVICES	REVISED -
DRAWN - Venkat Reddy	PASSED	REVISED -
CHECKED - CCC SMR	 ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

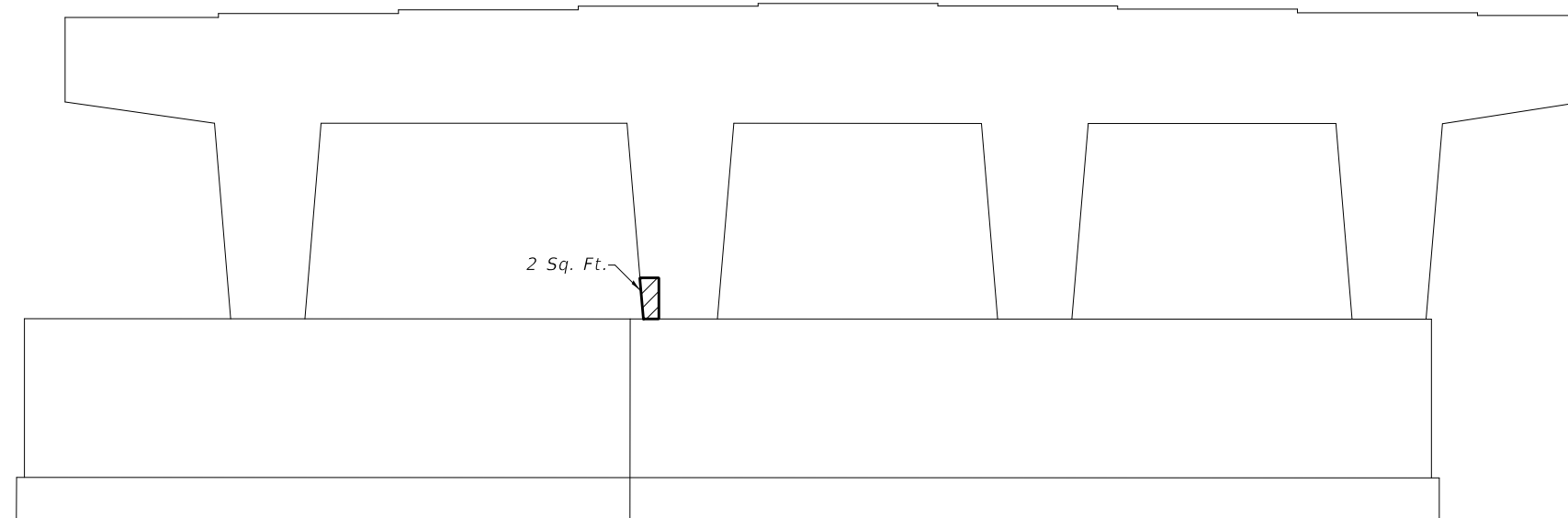
SUBSTRUCTURE REPAIRS - PIERS
SN 084-0014 (SB)

SHEET NO. 13 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	63
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



ELEVATION
(Pier 2 - Looking South)



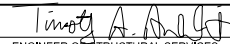
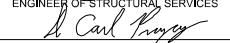
ELEVATION
(Pier 2 - Looking North)

 Repair Area

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (≤ 5")	Sq. Ft.	4

DESIGNED - CCC
 CHECKED - SMR
 DRAWN - Venkat Reddy
 CHECKED - CCC SMR

EXAMINED

 ENGINEER OF STRUCTURAL SERVICES
 PASSED

 ENGINEER OF BRIDGES AND STRUCTURES

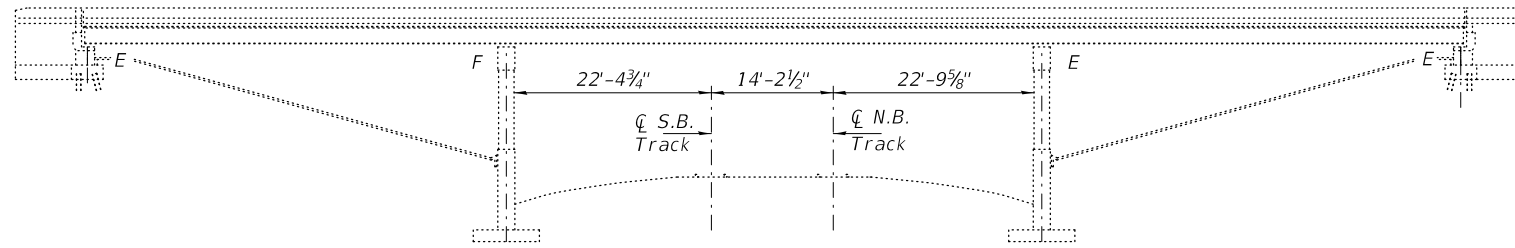
DATE - JANUARY 31, 2021
 REVISED -
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIRS - PIERS
SN 084-0015 (NB)

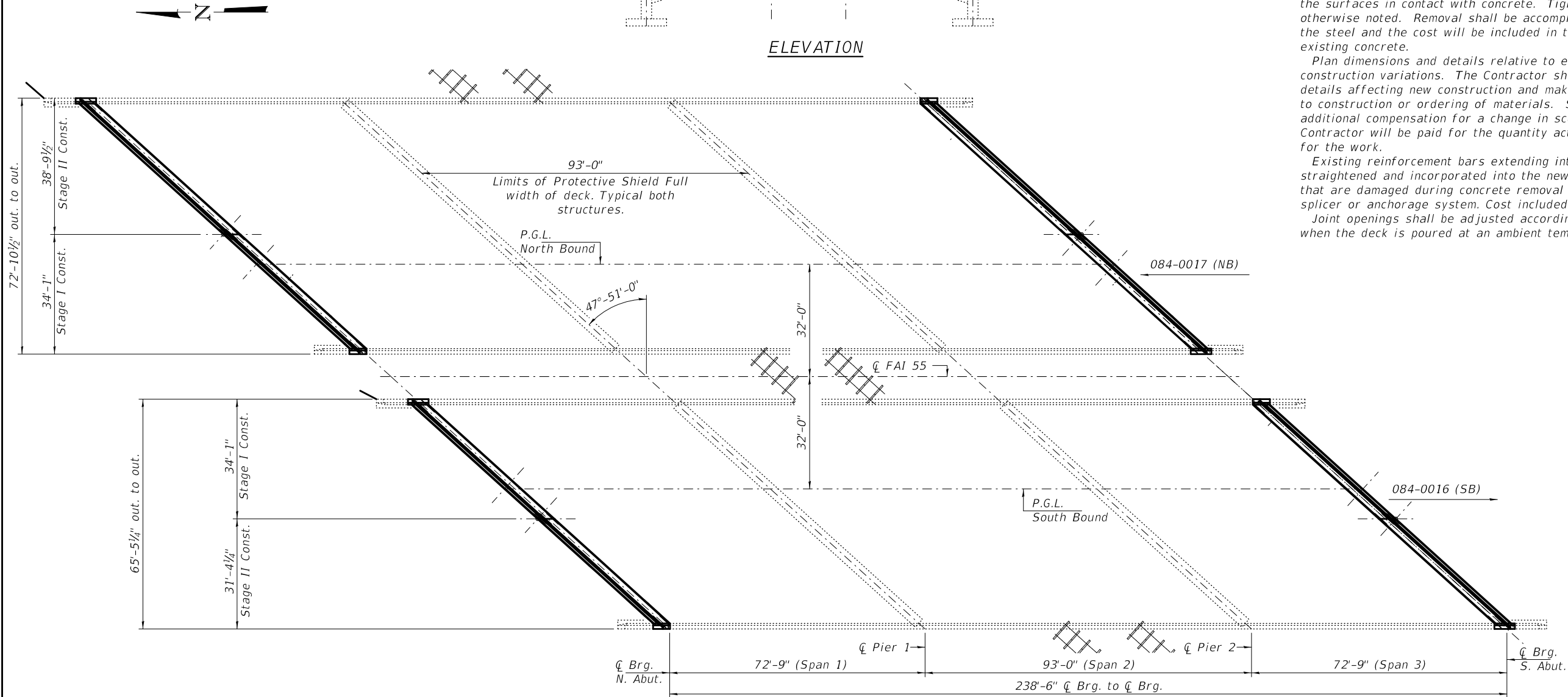
SHEET NO. 14 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	64
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
 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.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.
 Joint openings shall be adjusted according to Article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50° F.



TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	42.7
Concrete Superstructure	Cu. Yd.	42.7
Microsilica Concrete Overlay 2 3/4"	Sq. Yd.	3661
Preformed Joint Strip Seal	Foot	406
Reinforcement Bars, Epoxy Coated	Pound	4010
Bar Splicers	Each	24
Bridge Deck Scarification 3/4"	Sq. Yd.	3661
Diamond Grinding (Bridge Section)	Sq. Yd.	3547
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	2316
* Protective Coat	Sq. Yd.	3968
Protective Shield	Foot	1429
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	15.1
Structural Repair of Concrete (≤ 5")	Sq. Ft.	104
Structural Repair of Concrete (> 5")	Sq. Ft.	5
Joint Sealing (Patches)	Foot	164

* On new concrete and overlay only.



EXPIRES 11-30-2022

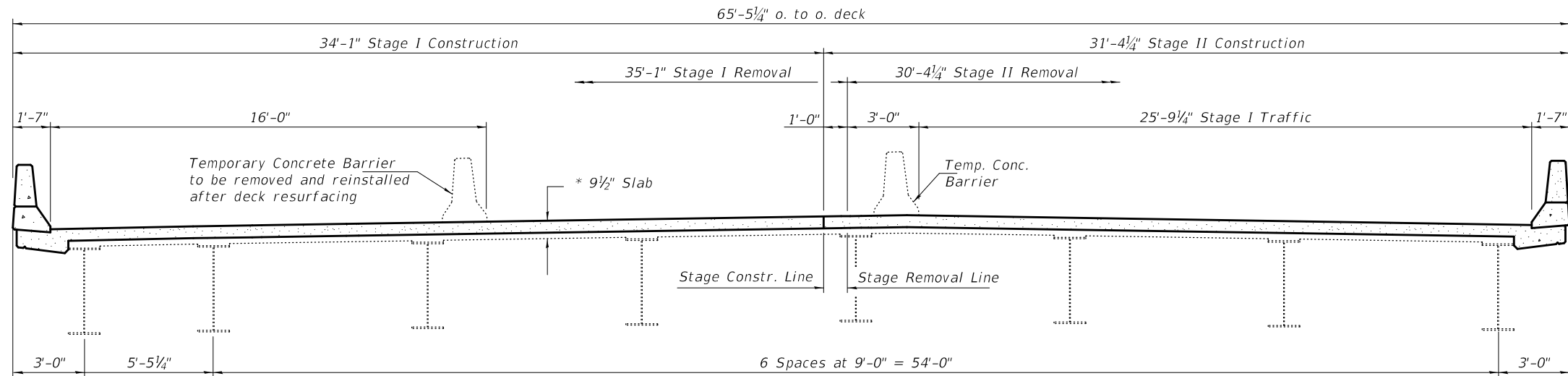
DESIGNED - Chi-Cheung Chau	EXAMINED - <i>Tracy A. Beck</i>	DATE - JANUARY 31, 2021
CHECKED - Stephen M. Ryan	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Reddy	PASSED - <i>David Carl Puzey</i>	REVISED -
CHECKED - CCC SMR	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
F.A.I. 55 OVER I.C.R.R.
SN 084-0016 (SB) & 0017 (NB)

SHEET NO. 1 OF 16 SHEETS

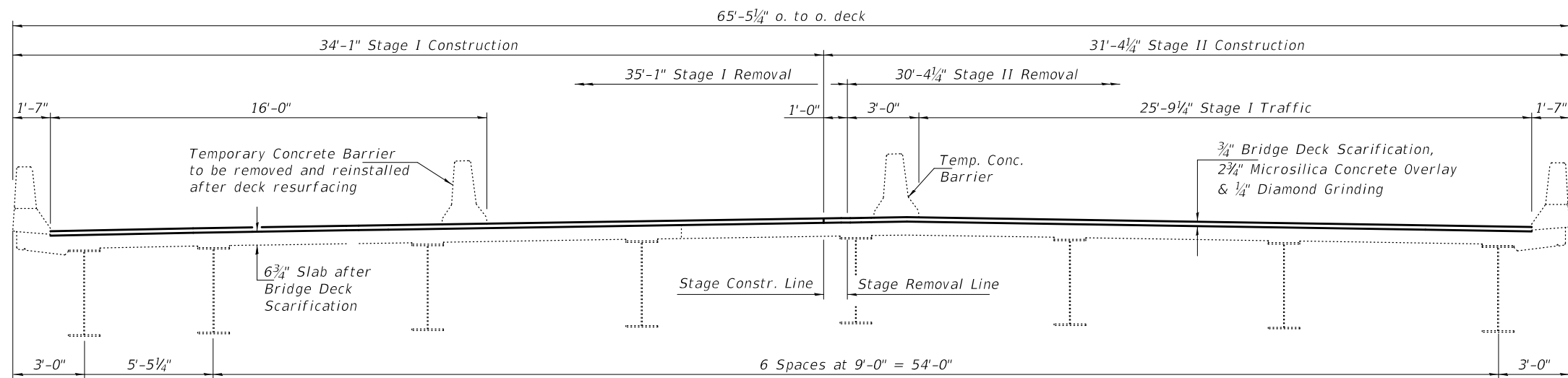
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	65
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



CROSS SECTION THRU BRIDGE DECK AT ABUTMENT

(Looking South)

* Prior to 1/4" Diamond Grinding



CROSS SECTION THRU BRIDGE DECK AT MID SPAN

(Looking South)

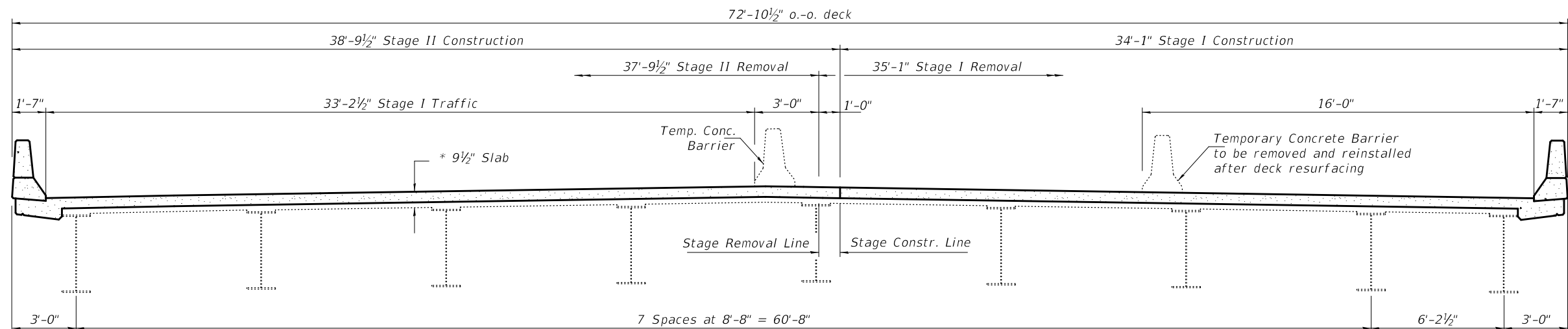
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	<i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	REVISED -
DRAWN - JIM	PASSED	REVISED -
CHECKED - CCC SMR	<i>Carl Ringer</i> ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS & STAGING DETAILS
SN 084-0016 (SB)

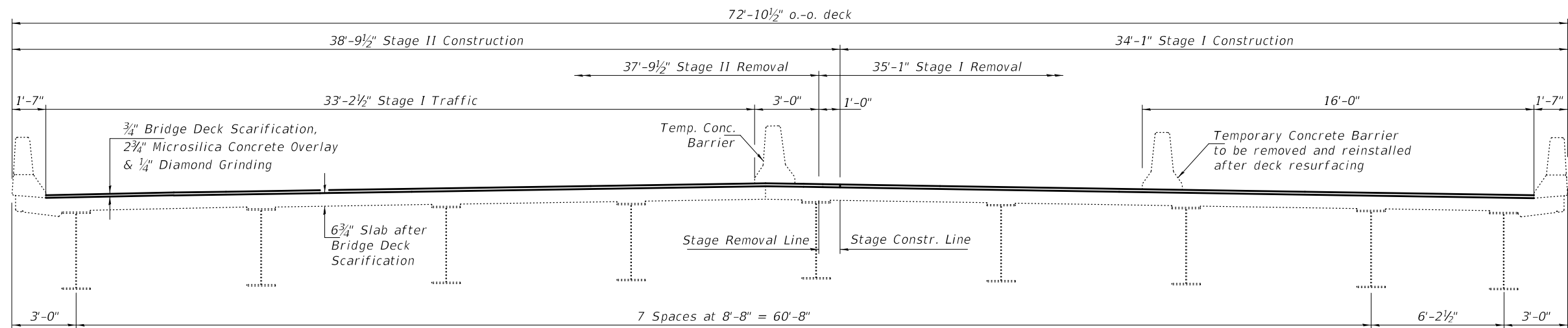
SHEET NO. 2 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	66
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



CROSS SECTION THRU BRIDGE DECK AT ABUTMENT

(Looking South)
 * Prior to 1/4" Diamond Grinding



CROSS SECTION THRU BRIDGE DECK AT MID SPAN

(Looking South)

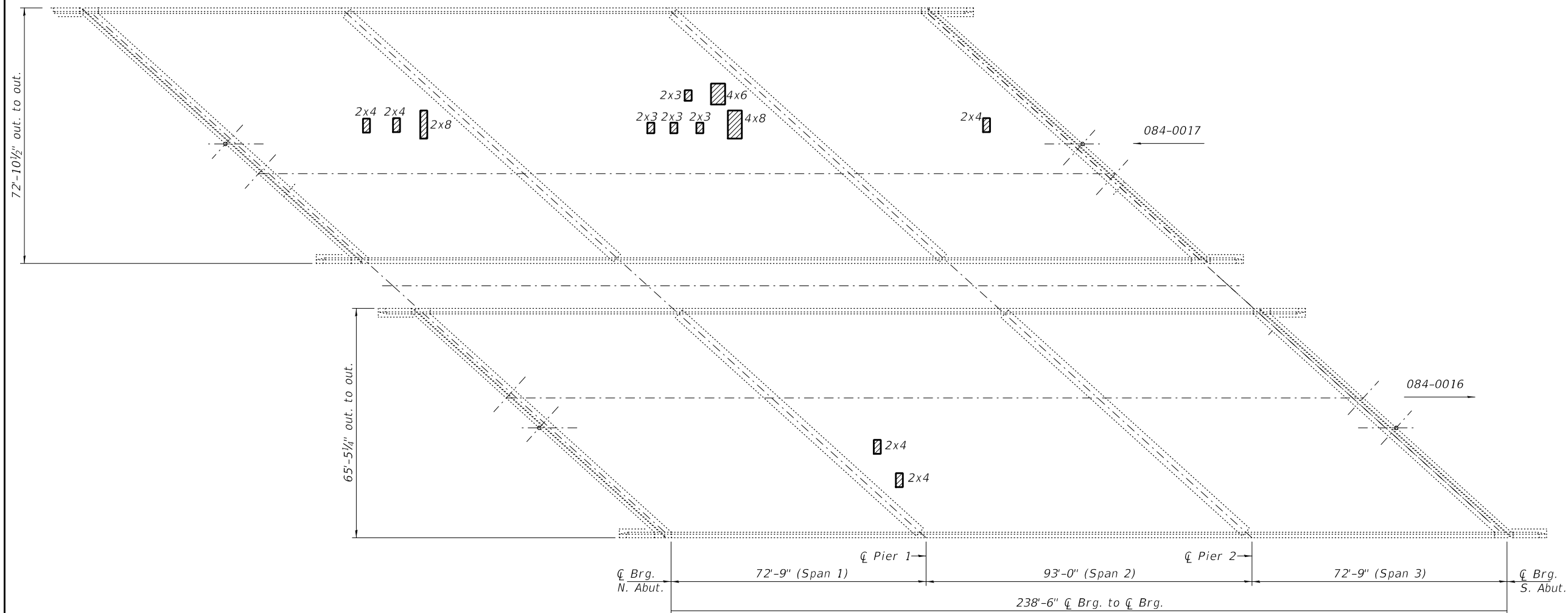
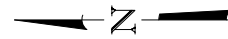
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	<i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	REVISED -
DRAWN - JIM	PASSED	REVISED -
CHECKED - CCC SMR	<i>Carl R. Boyer</i> ENGINEER OF BRIDGES AND STRUCTURES	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS & STAGING DETAILS
 SN 084-0017 (NB)**

SHEET NO. 3 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	67
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



Deck Slab Repair
(Full Depth, Type II)

DECK SOFFITT PATCHING PLAN

Notes:
 Hatched area indicates Deck Slab Repair (Full Depth, Type II).
 Actual location and size of patches to be determined by the Engineer in the field.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	15.1

DESIGNED - CCC
 CHECKED - SMR
 DRAWN - JIM
 CHECKED - CCC SMR

EXAMINED

 ENGINEER OF STRUCTURAL SERVICES
 PASSED

 ENGINEER OF BRIDGES AND STRUCTURES

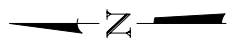
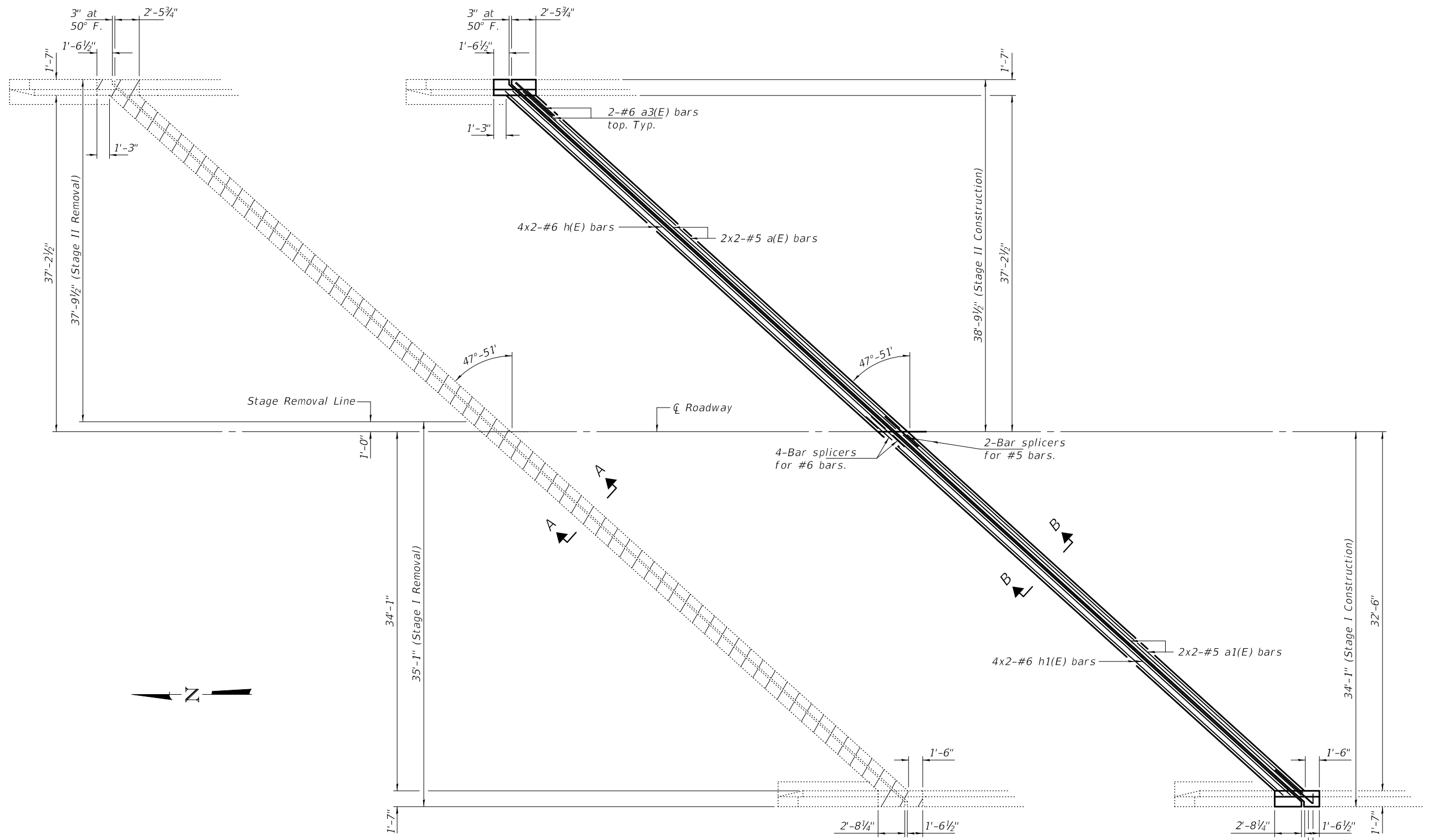
DATE - JANUARY 31, 2021
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DECK SLAB REPAIRS (FULL SLAB)
 SN 084-0016 (SB) & 0017 (NB)

SHEET NO. 4 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	68
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



CONCRETE REMOVAL DETAILS
N. ABUT., 084-0017 (N.B.)

Notes:
 Hatched areas indicate removal.
 Bend a3(E) bars in field as necessary.
 For Sections A-A & B-B, bar details and
 Bill of Material, see sheet 9 of 16.

CONCRETE REPLACEMENT DETAILS
N. ABUT., 084-0017 (N.B.)

3-#5 d(E) bars I.F.
 3-#4 d2(E) bars O.F.
 3-#5 d1(E) bars I.F.
 3-#4 d3(E) bars O.F.

DESIGNED - CCC	EXAMINED
CHECKED - SMR	PASSED
DRAWN - JIM	
CHECKED - CCC SMR	

 TIMOTHY A. ANDUJAR ENGINEER OF STRUCTURAL SERVICES	DATE - JANUARY 31, 2021
 CARL R. RUPPEL ENGINEER OF BRIDGES AND STRUCTURES	REVISED - REVISED -

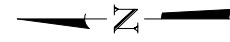
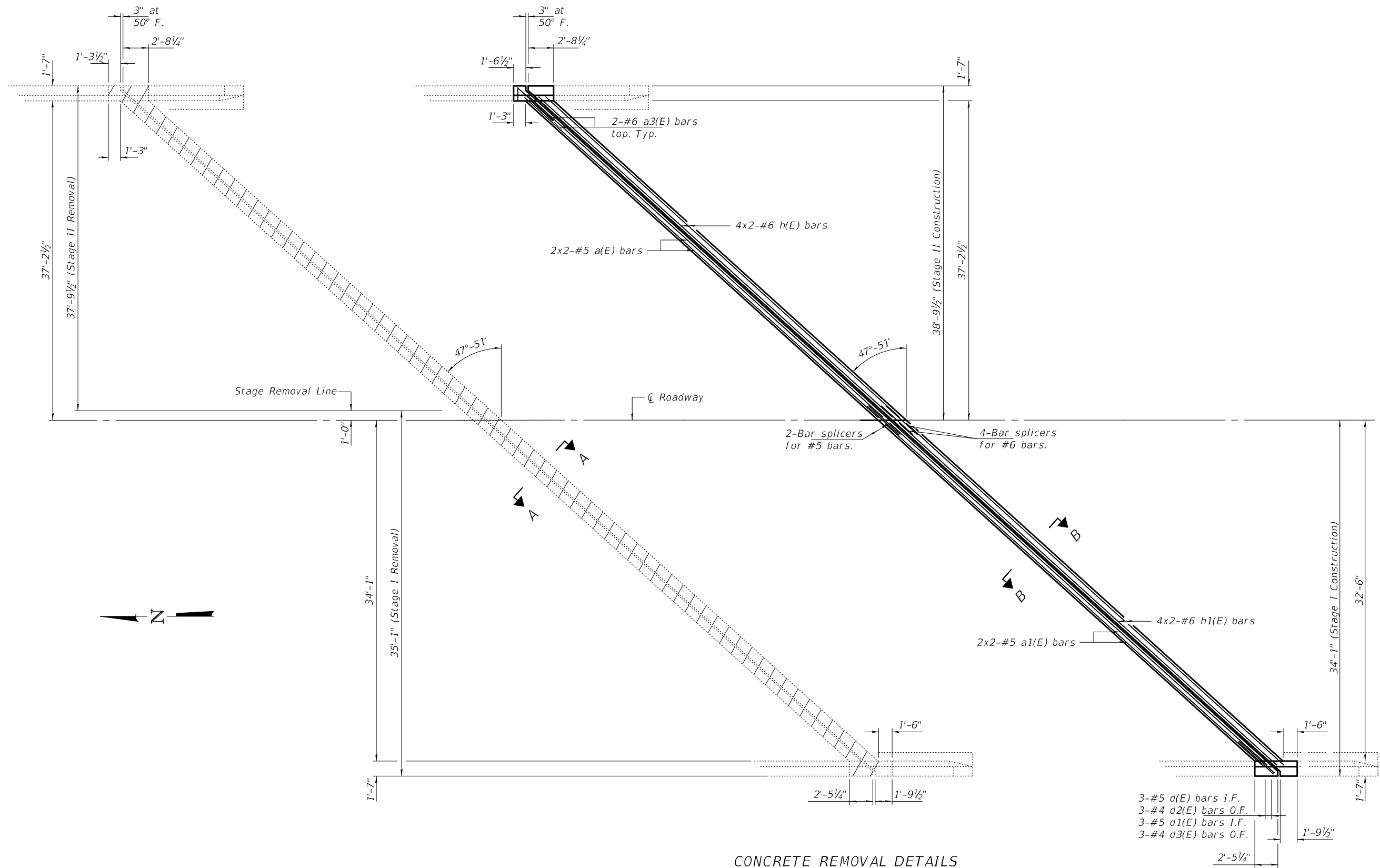
DATE - JANUARY 31, 2021
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REMOVAL AND REPLACEMENT DETAILS
SN 084-0017 (NB)

SHEET NO. 5 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	69
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



CONCRETE REMOVAL DETAILS
S. ABUT., 084-0017 (N.B.)

Notes:
 Hatched areas indicate removal.
 Bend a3(E) bars in field as necessary.
 For Sections A-A & B-B, bar details and
 Bill of Material, see sheet 9 of 16.

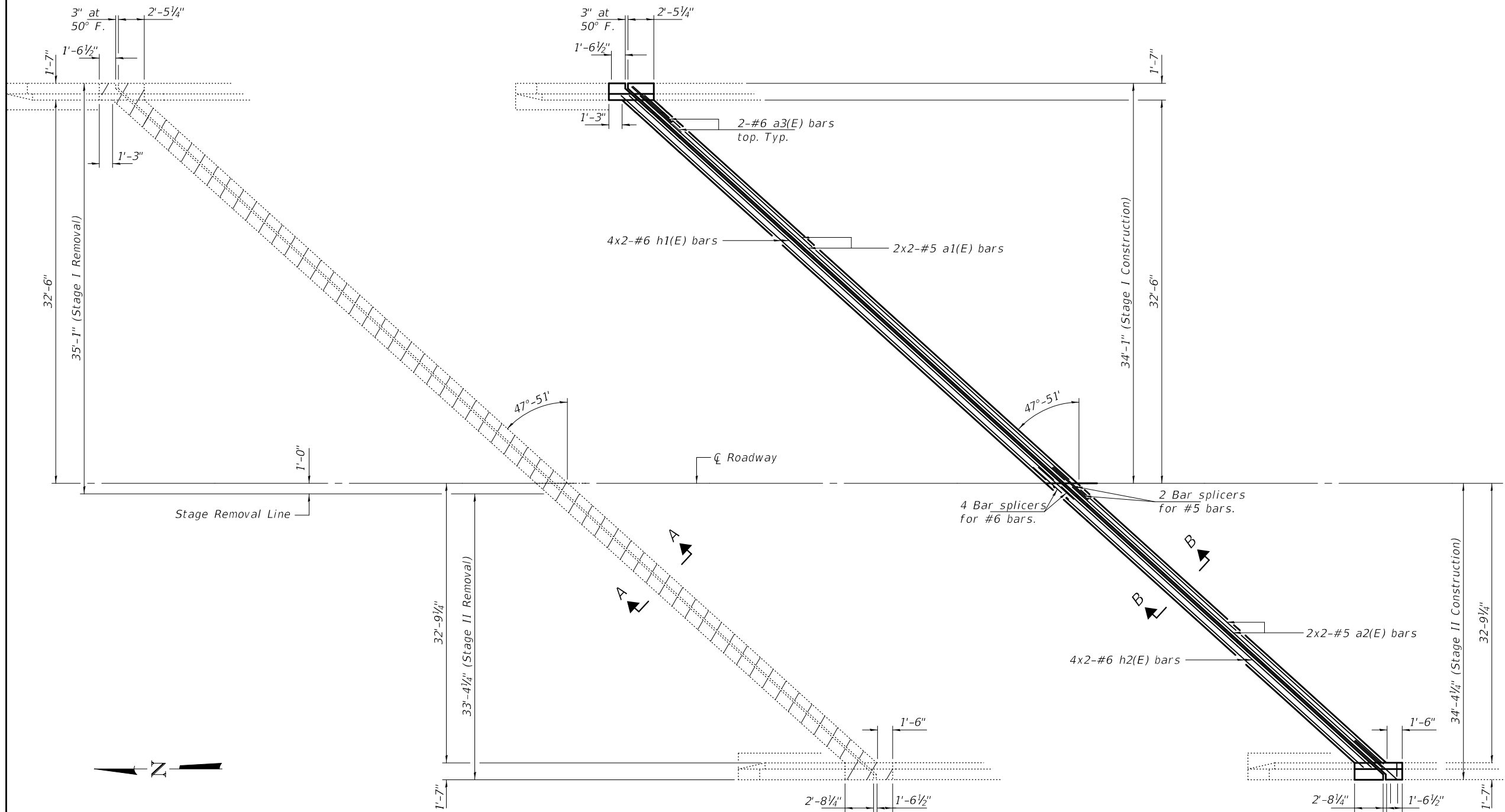
CONCRETE REPLACEMENT DETAILS
S. ABUT., 084-0017 (N.B.)

DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	<i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	REVISED -
DRAWN - JIM	PASSED	REVISED -
CHECKED - CCC SMR	<i>Carl R. Meyer</i> ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REMOVAL AND REPLACEMENT DETAILS
SN 084-0017 (NB)
 SHEET NO. 6 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	70
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

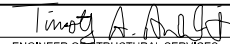
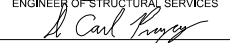


CONCRETE REMOVAL DETAILS
N. ABUT., 084-0016 (S.B.)

CONCRETE REPLACEMENT DETAILS
N. ABUT., 084-0016 (S.B.)

Notes:
 Hatched areas indicate removal.
 Bend a3(E) bars in field as necessary.
 For Sections A-A & B-B, bar details and
 Bill of Material, see sheet 9 of 16.

DESIGNED - CCC	EXAMINED
CHECKED - SMR	PASSED
DRAWN - JIM	
CHECKED - CCC SMR	

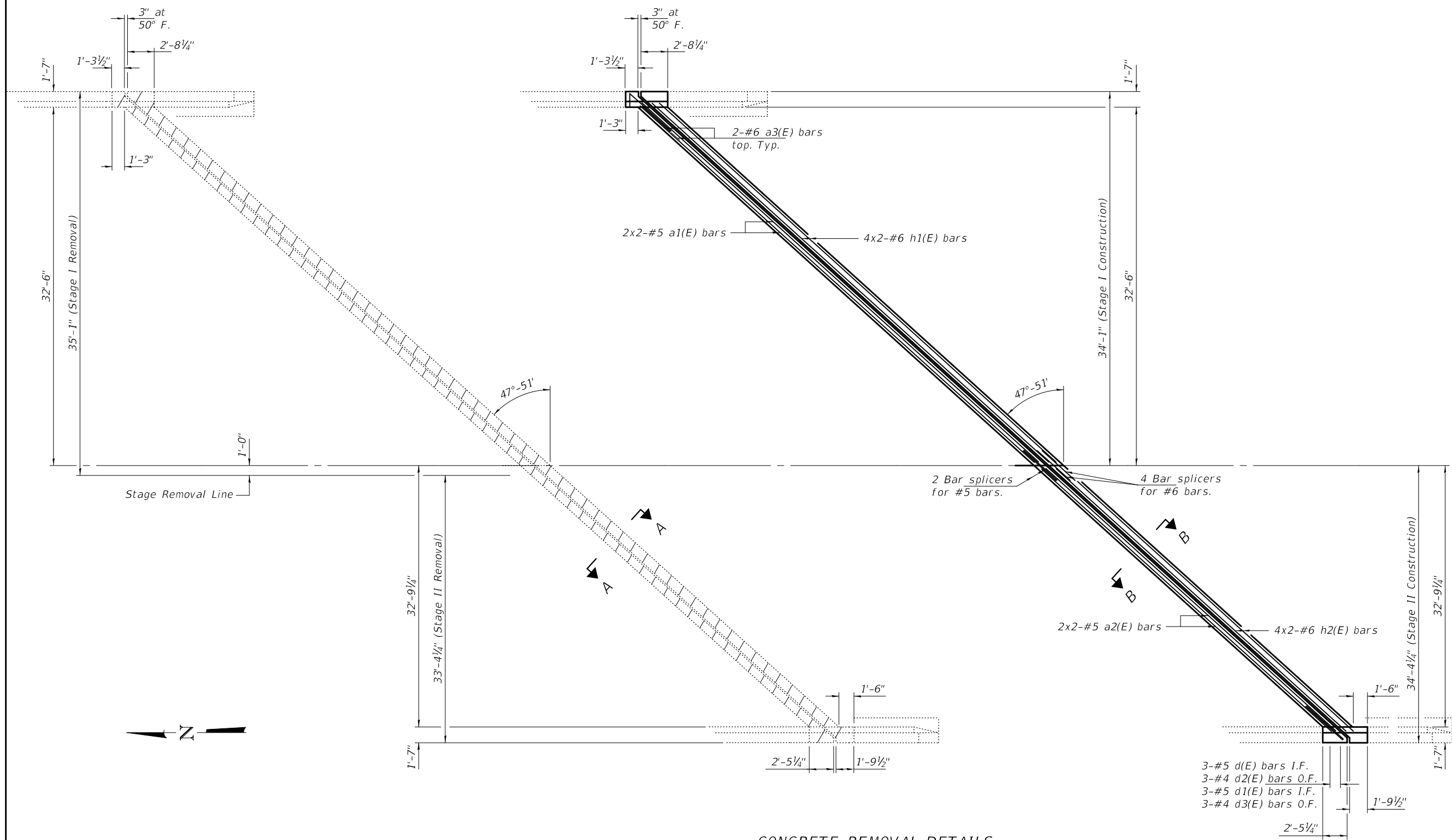

 ENGINEER OF STRUCTURAL SERVICES

 ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 31, 2021
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

JOINT REMOVAL AND REPLACEMENT DETAILS
SN 084-0016 (SB)
 SHEET NO. 7 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	71
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



CONCRETE REMOVAL DETAILS

S. ABUT., 084-0016 (S.B.)

Notes:
 Hatched areas indicate removal.
 Bend a3(E) bars in field as necessary.
 For Sections A-A & B-B, bar details and
 Bill of Material, see sheet 9 of 16.

CONCRETE REPLACEMENT DETAILS

S. ABUT., 084-0016 (S.B.)

DESIGNED - CCC
 CHECKED - SMR
 DRAWN - JIM
 CHECKED - CCC SMR

EXAMINED
 PASSED
Timothy A. Daulton
 ENGINEER OF STRUCTURAL SERVICES
Carl R. Ringer
 ENGINEER OF BRIDGES AND STRUCTURES

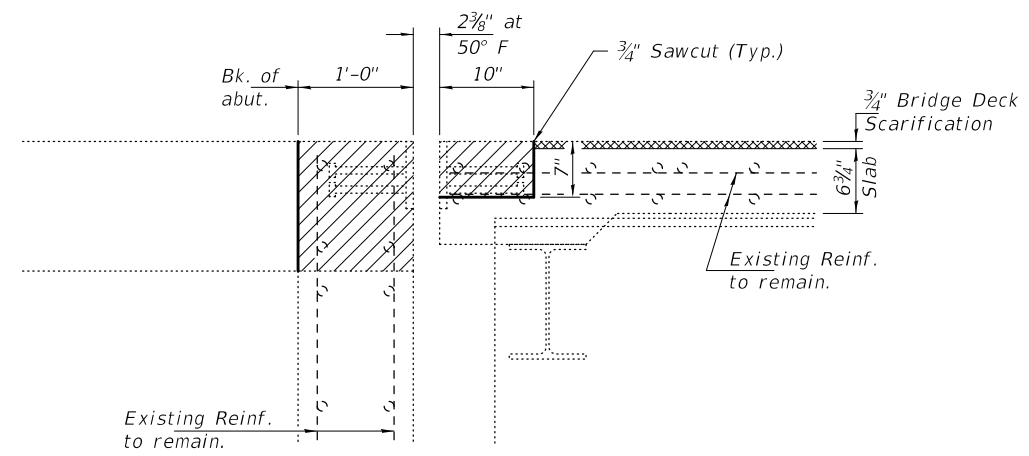
DATE - JANUARY 31, 2021
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

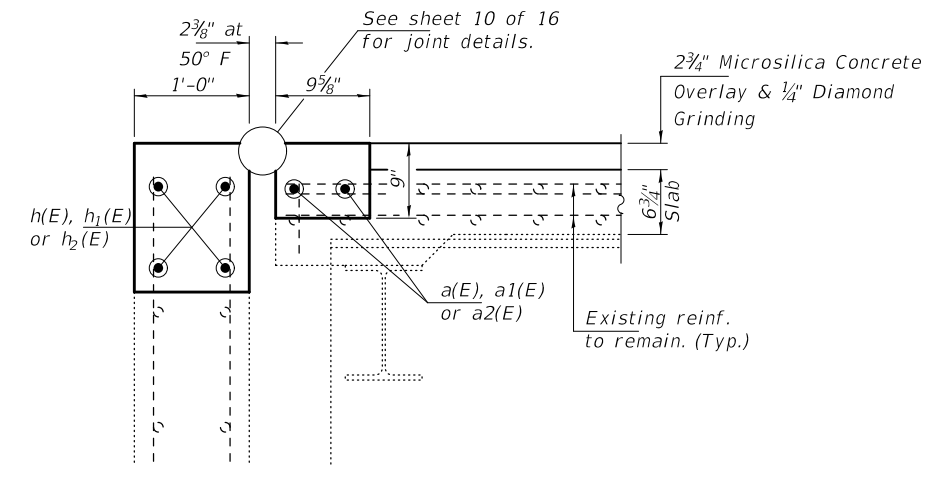
JOINT REMOVAL AND REPLACEMENT DETAILS
 SN 084-0016 (SB)

SHEET NO. 8 OF 16 SHEETS

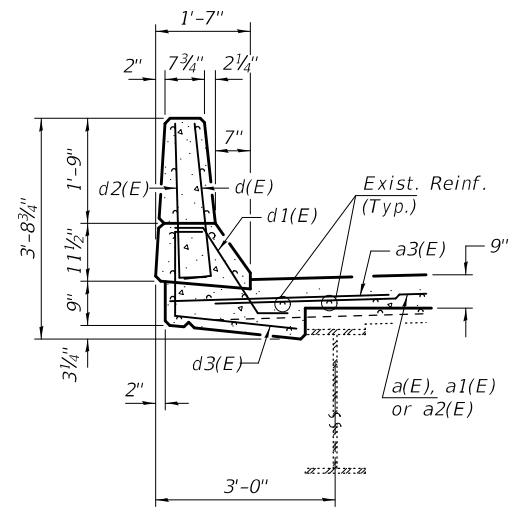
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	72
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



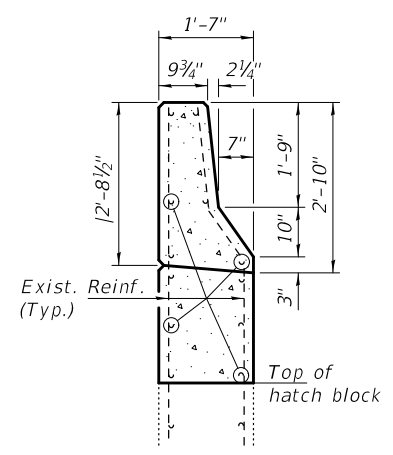
SECTION A-A
(Near Center Roadway)
(Dims at RT Ls to end of deck)



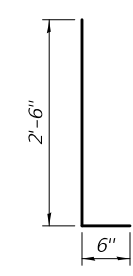
SECTION B-B
(Near Center Roadway)
(Dims at RT Ls to end of deck)



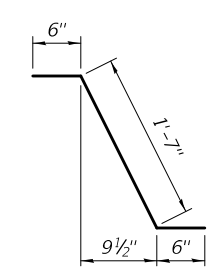
TYPICAL PARAPET SECTION



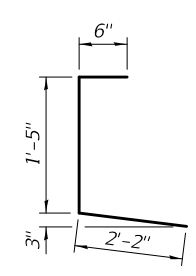
TYPICAL SECTION AT APPROACH PARAPET



BARS d(E) & d2(E)



BAR d1(E)



BAR d3(E)

Min. Bar Laps
#5 = 3'-6"
#6 = 4'-0"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	8	#5	30'-7"	—
a1(E)	16	#5	27'-0"	—
a2(E)	8	#5	27'-2"	—
a3(E)	16	#6	6'-0"	—
d(E)	24	#5	3'-0"	L
d1(E)	24	#5	2'-7"	L
d2(E)	24	#4	3'-0"	L
d3(E)	24	#4	4'-1"	L
h(E)	32	#6	29'-7"	—
h1(E)	16	#6	26'-0"	—
h2(E)	16	#6	26'-3"	—
Concrete Removal			Cu. Yd.	42.7
Concrete Superstructure			Cu. Yd.	47.0
Reinforcement Bars, Epoxy Coated			Pound	4010

Bars indicated thus 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.

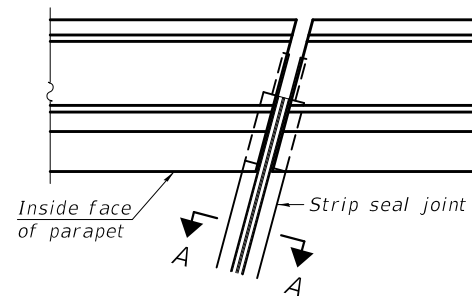
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	<i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	REVISED -
DRAWN - JIM	PASSED	REVISED -
CHECKED - CCC SMR	<i>Carl R. Roper</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR DETAILS
SN 084-0016 (SB) & 0017 (NB)

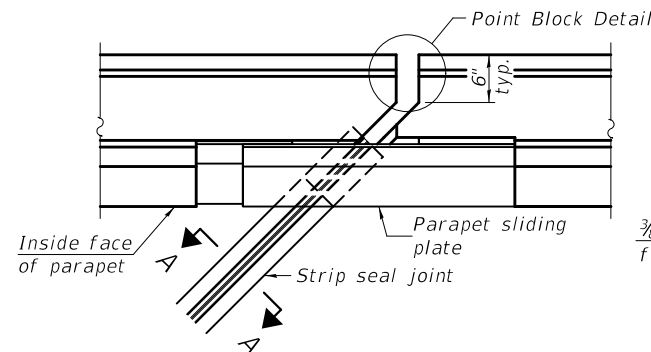
SHEET NO. 9 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	73
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

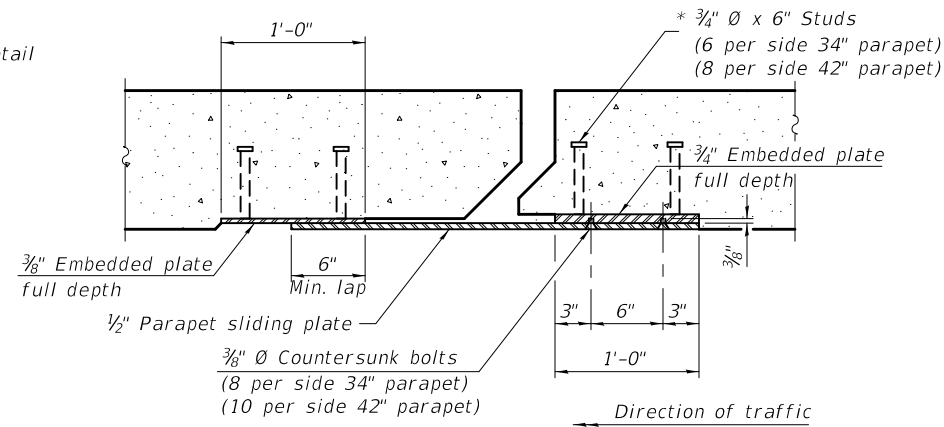


FOR SKEWS $\leq 30^\circ$

PLAN AT PARAPET



FOR SKEWS $> 30^\circ$



SECTION B-B

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of $\frac{1}{4}$ ". The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the $4\frac{1}{2}$ " maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

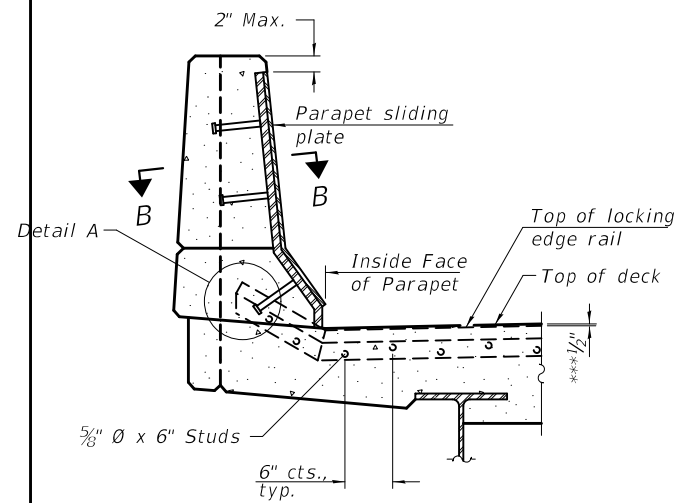
The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be $\frac{3}{16}$ " and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

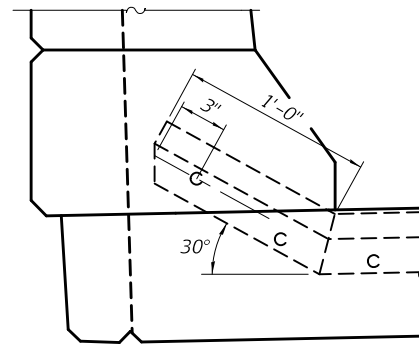
Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.

34" F-shape barrier shown, 42" F-shape similar as noted. The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

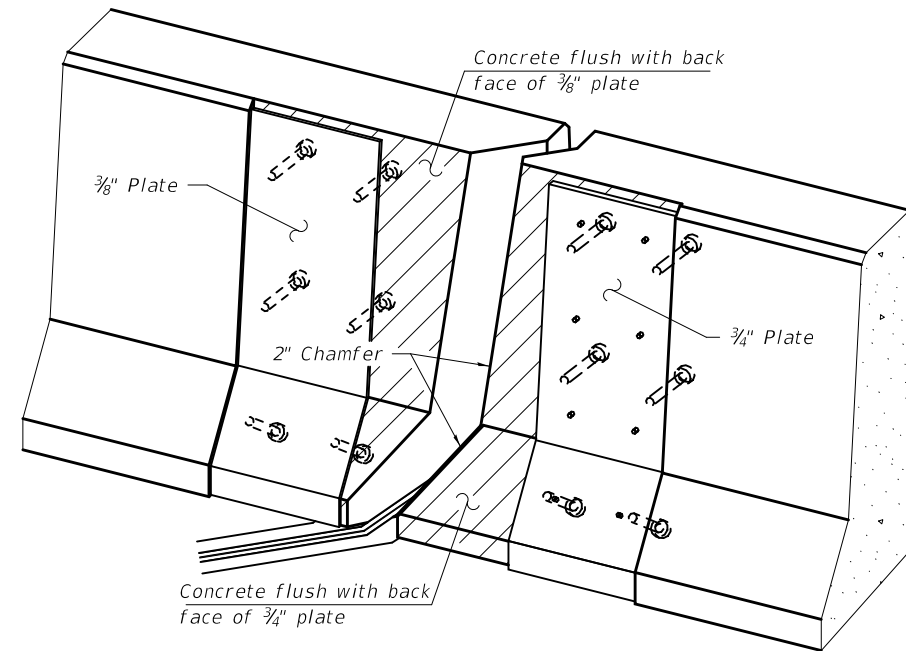


ELEVATION AT PARAPET

(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)

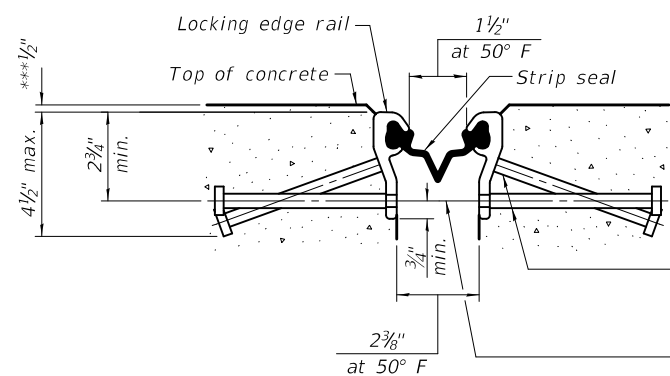


DETAIL A



TRIMETRIC VIEW
(Showing embedded plates only)

*** Prior to $\frac{1}{4}$ " Grinding



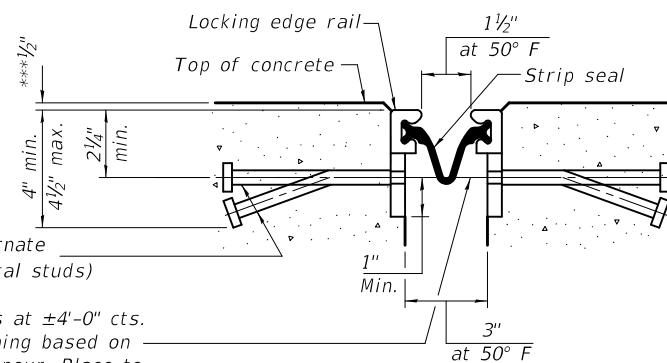
SHOWING ROLLED RAIL JOINT

* $\frac{5}{8}$ " ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

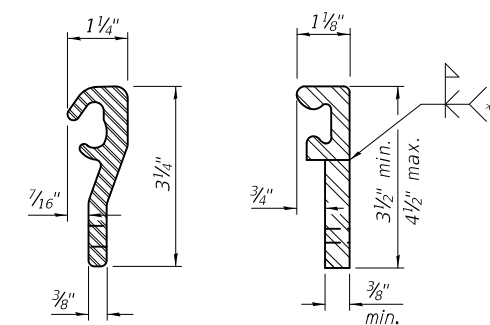
$\frac{3}{8}$ " ϕ threaded rods in $\frac{7}{16}$ " ϕ holes at ± 4 "-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



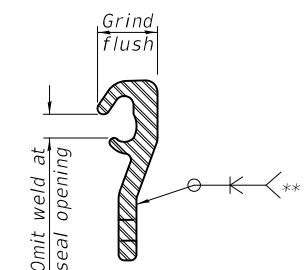
SHOWING WELDED RAIL JOINT



ROLLED (EXTRUDED) RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	405

DESIGNED - CCC
CHECKED - SMR
DRAWN - JIM
CHECKED - CCC SMR

EXAMINED
PASSED
ENGINEER OF STRUCTURAL SERVICES
ENGINEER OF BRIDGES AND STRUCTURES

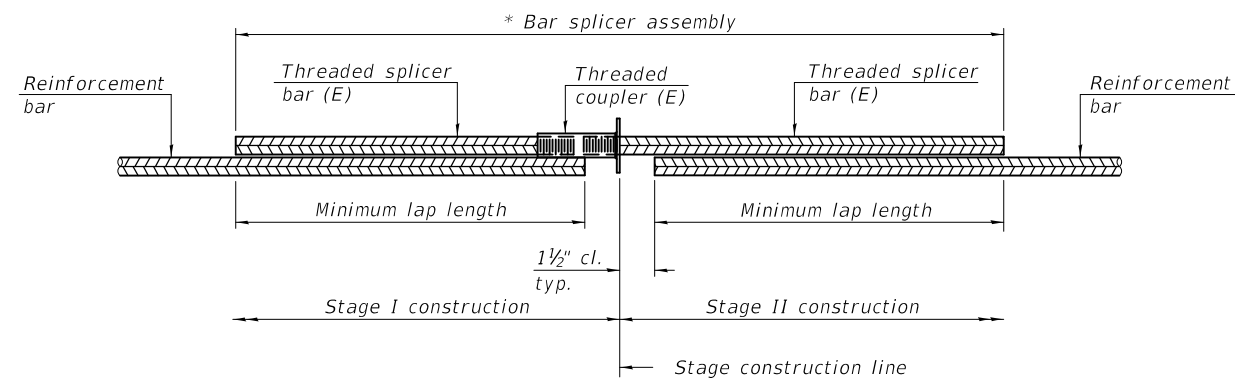
DATE - JANUARY 31, 2021
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
SN 084-0016 (SB) & 0017 (NB)

SHEET NO. 10 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	74
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

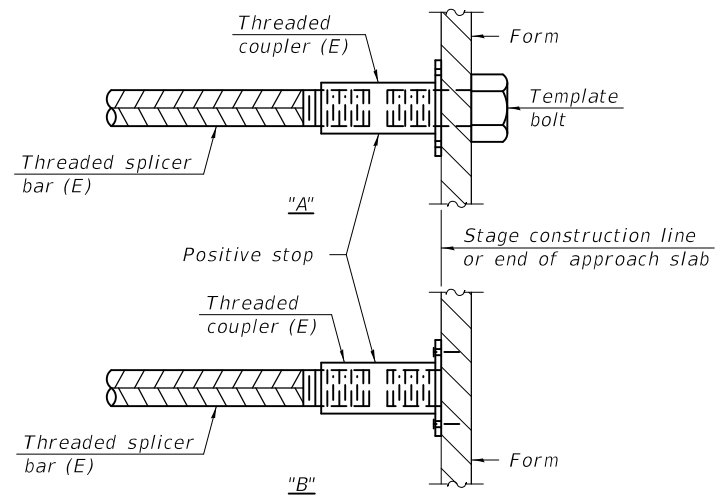


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

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

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

Location	Bar size	No. assemblies required	Minimum lap length
Abut. - Deck	#5	8	3'-6"
Abut. - Appr.	#6	16	4'-0"

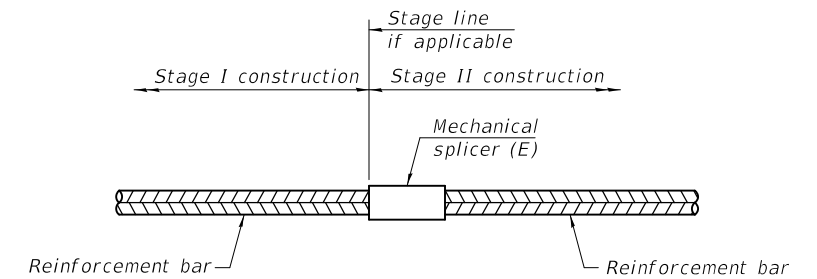


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

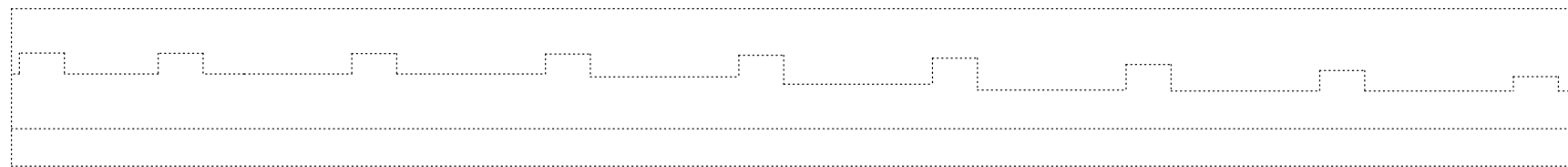
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	<i>Timothy A. ...</i> ENGINEER OF STRUCTURAL SERVICES	REVISED -
DRAWN - JIM	PASSED	REVISED -
CHECKED - CCC SMR	<i>Carl ...</i> ENGINEER OF BRIDGES AND STRUCTURES	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
SN 084-0016 (SB) & 0017 (NB)

SHEET NO. 11 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	75
CONTRACT NO. 72L67				
ILLINOIS		FED. AID PROJECT		

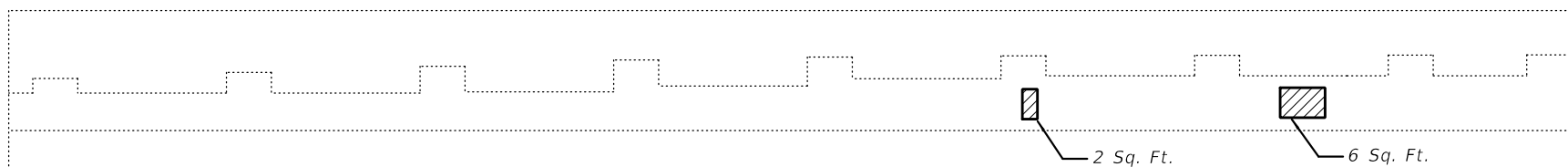


No work required

ELEVATION
(North Abut. - Looking North)





Repair Area



ELEVATION
(South Abut. - Looking South)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (≤ 5")	Sq. Ft.	8

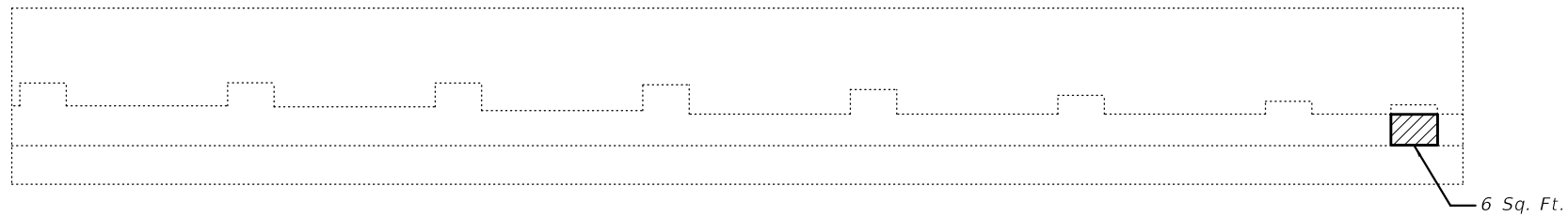
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	 ENGINEER OF STRUCTURAL SERVICES	
DRAWN - JIM	PASSED	REVISED -
CHECKED - CCC SMR	 ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

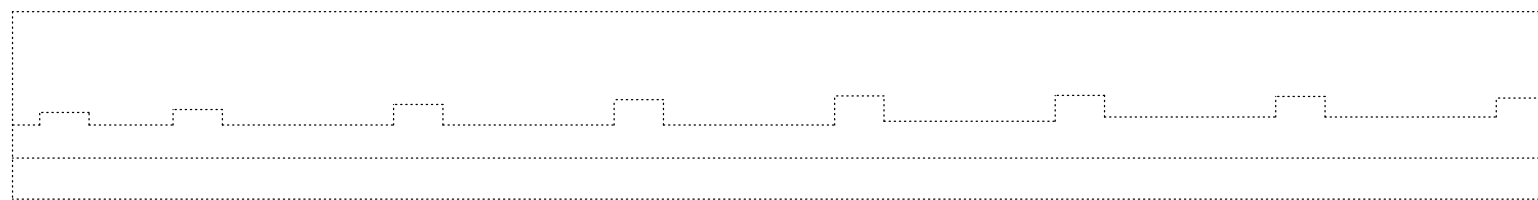
SUBSTRUCTURE REPAIR DETAILS - ABUTMENTS
SN 084-0017 (NB)

SHEET NO. 12 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	76
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L67	



ELEVATION
(N. Abut. - Looking North)



No work required

ELEVATION
(S. Abut. - Looking South)

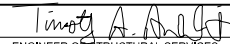
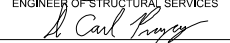
 Repair Area

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete ($\leq 5"$)	Sq. Ft.	6

BSD-1

1-1-2020

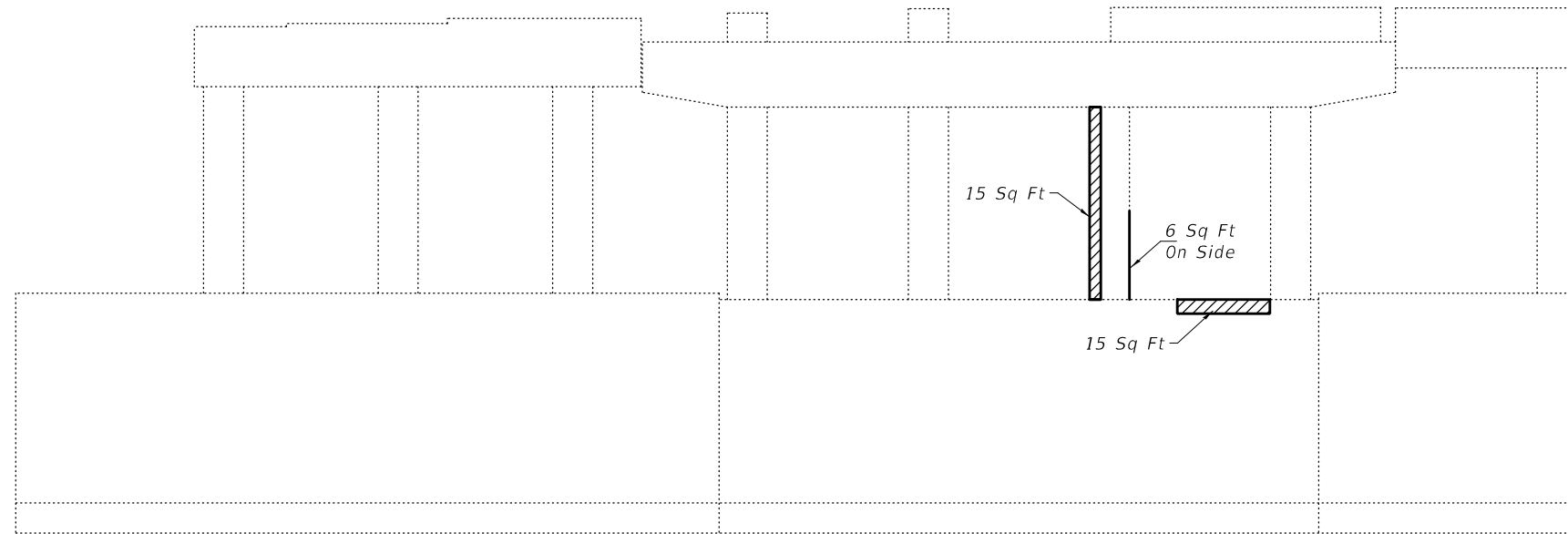
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	 ENGINEER OF STRUCTURAL SERVICES	
DRAWN - JIM	PASSED	REVISED -
CHECKED - CCC SMR	 ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

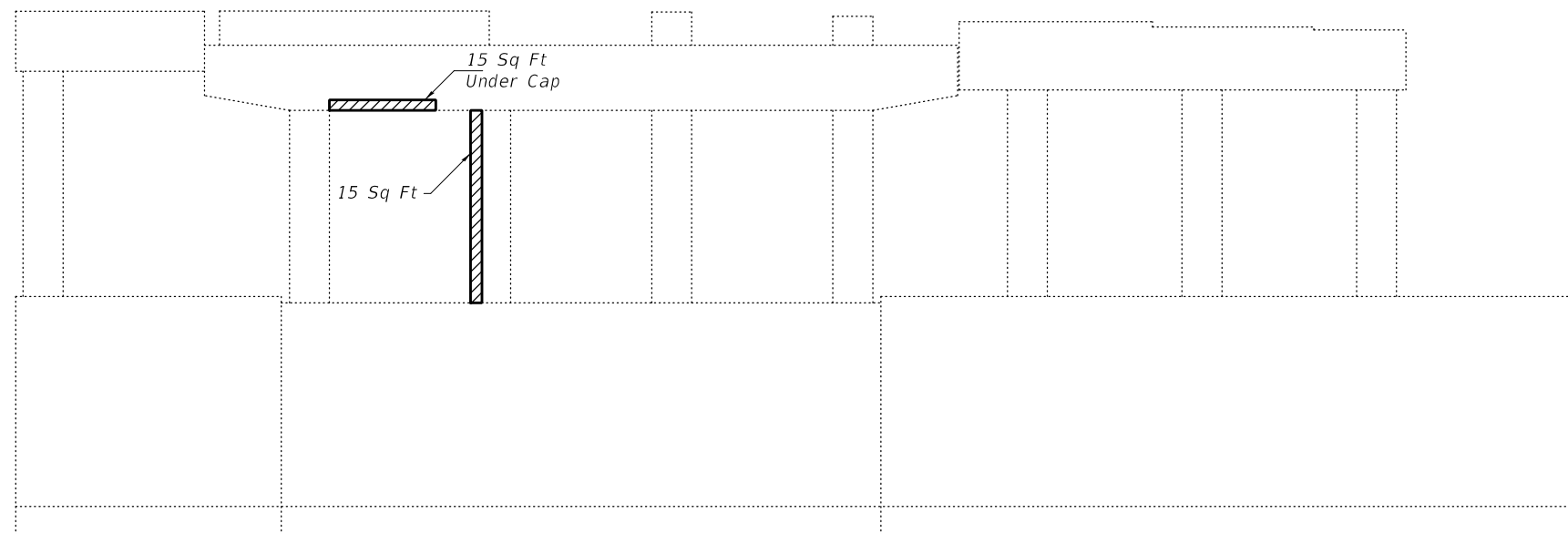
SUBSTRUCTURE REPAIR DETAILS - ABUTMENTS
SN 084-0016 (SB)

SHEET NO. 13 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	77
CONTRACT NO. 72L67				
ILLINOIS		FED. AID PROJECT		



ELEVATION
(Pier 1 - Looking South)



No work required
ELEVATION
(Pier 1 - Looking North)



 Repair Area

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete ($\leq 5"$)	Sq. Ft.	66

BSD-1

1-1-2020

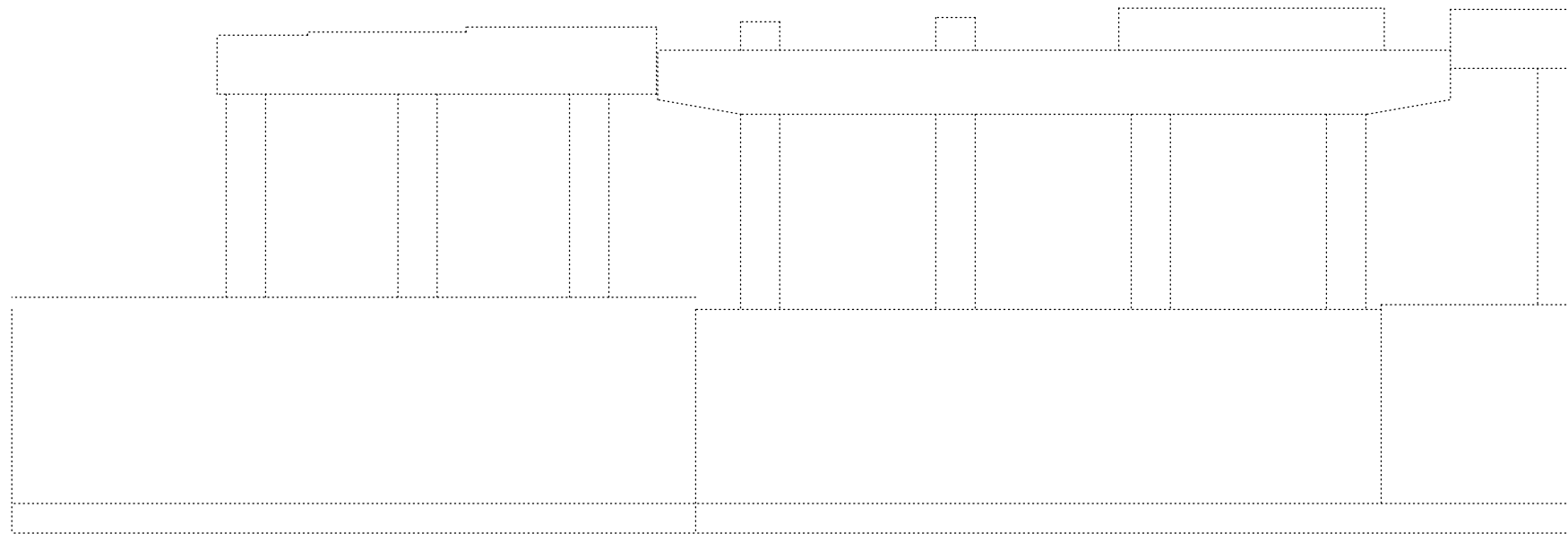
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	 ENGINEER OF STRUCTURAL SERVICES	
DRAWN - JIM	PASSED	REVISED -
CHECKED - CCC SMR	 ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIR DETAILS - PIER 1
SN 084-0016 (SB)

SHEET NO. 14 OF 16 SHEETS

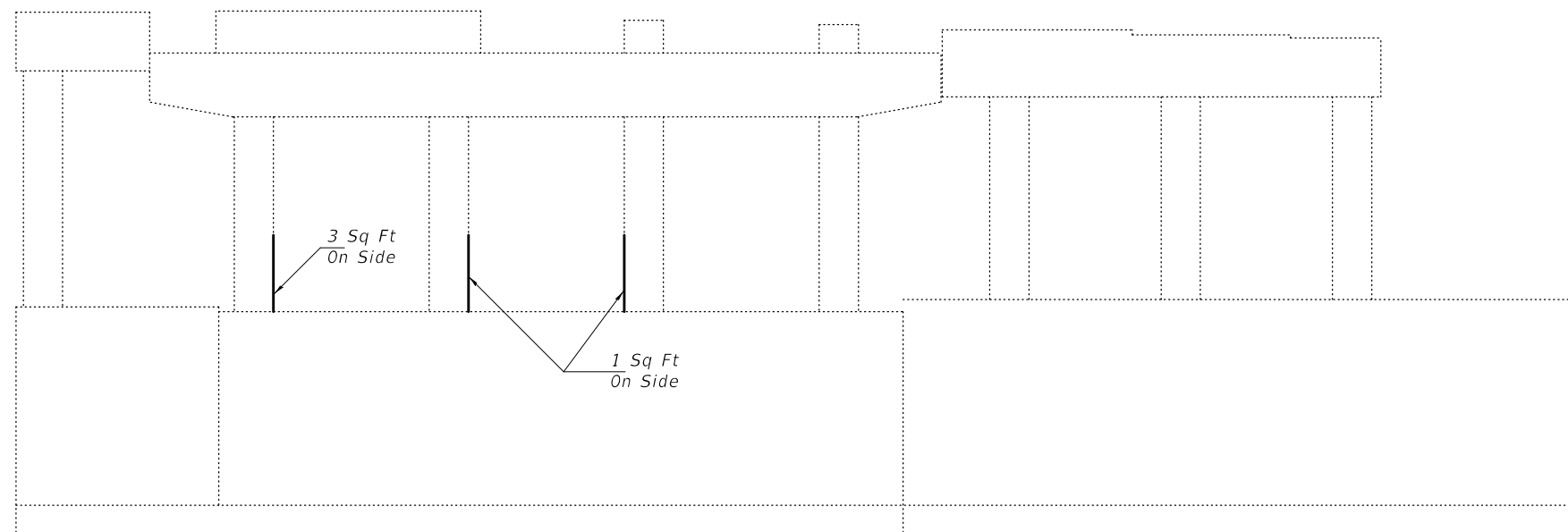
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	78
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



No work required

ELEVATION

(Pier 2 - Looking South)



 Repair Area


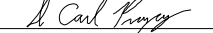
ELEVATION

(Pier 2 - Looking North)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete ($\leq 5"$)	Sq. Ft.	5

DESIGNED - CCC
 CHECKED - SMR
 DRAWN - JIM
 CHECKED - CCC SMR

EXAMINED

 ENGINEER OF STRUCTURAL SERVICES
 PASSED

 ENGINEER OF BRIDGES AND STRUCTURES

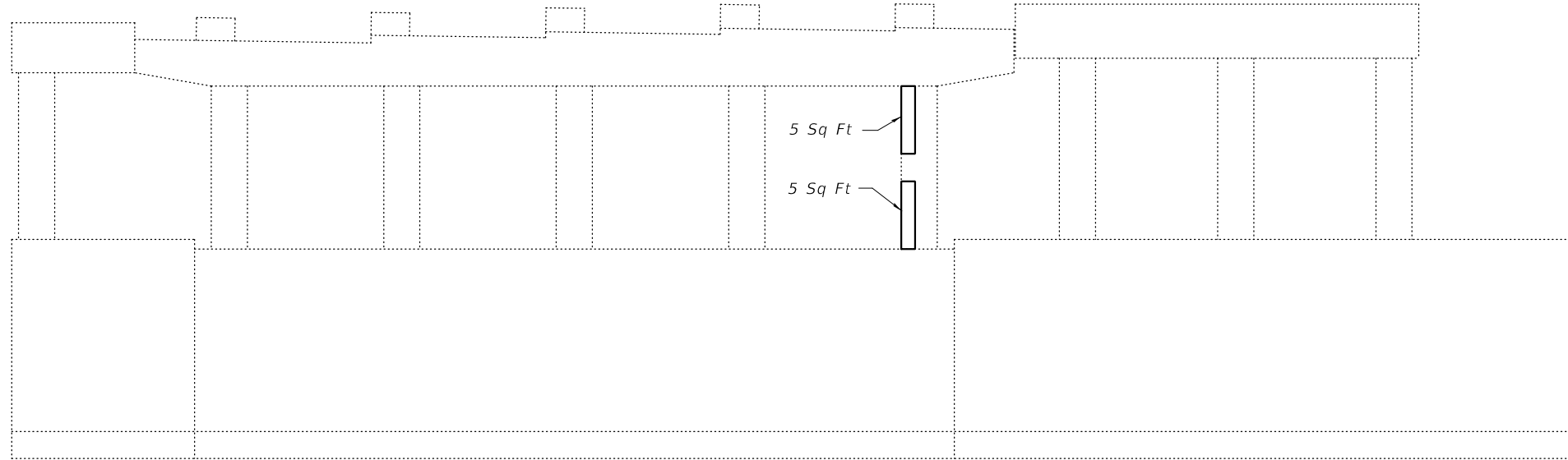
DATE - JANUARY 31, 2021
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

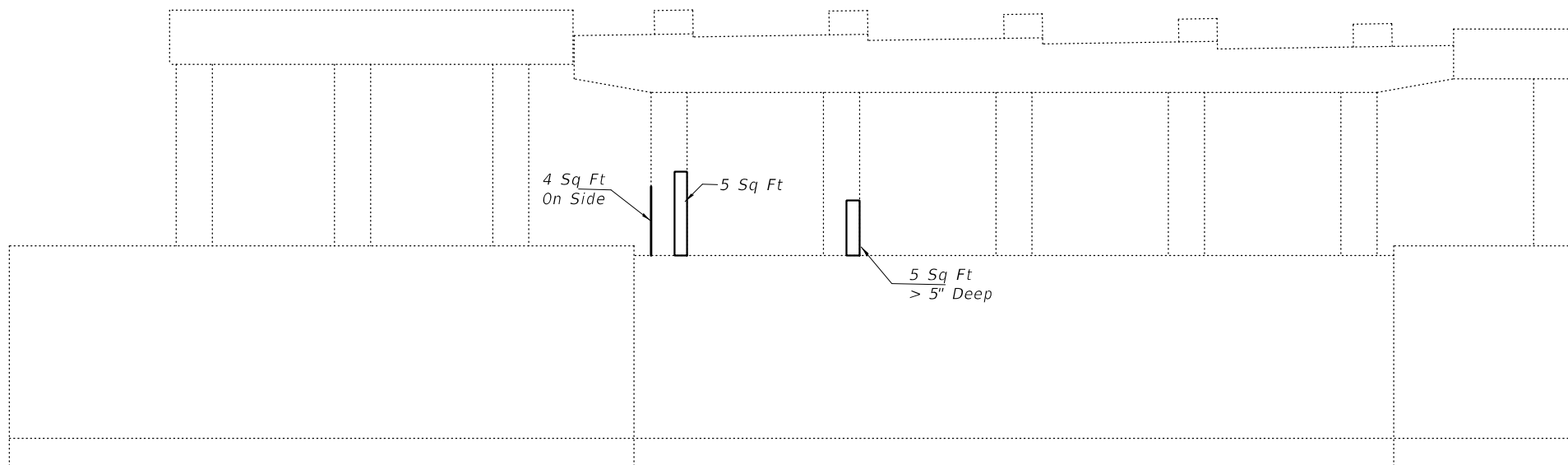
SUBSTRUCTURE REPAIR DETAILS - PIER 2
 SN 084-0016 (SB)

SHEET NO. 15 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	79
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



ELEVATION
(Pier 1 - Looking South)



No work required
ELEVATION
(Pier 1 - Looking North)



BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete ($\leq 5"$)	Sq. Ft.	19
Structural Repair of Concrete ($> 5"$)	Sq. Ft.	5

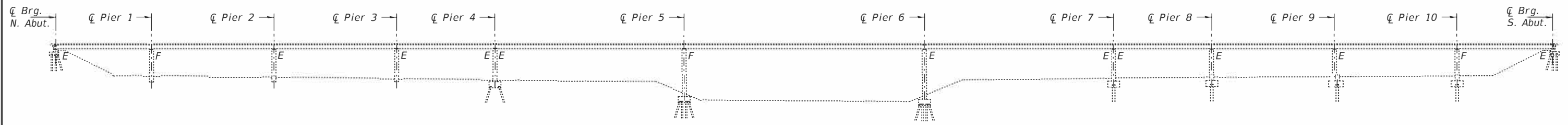
DESIGNED - CCC	EXAMINED	DATE - JANUARY 31, 2021
CHECKED - SMR	<i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	
DRAWN - JIM	PASSED	REVISED -
CHECKED - CCC SMR	<i>Carl Ringer</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

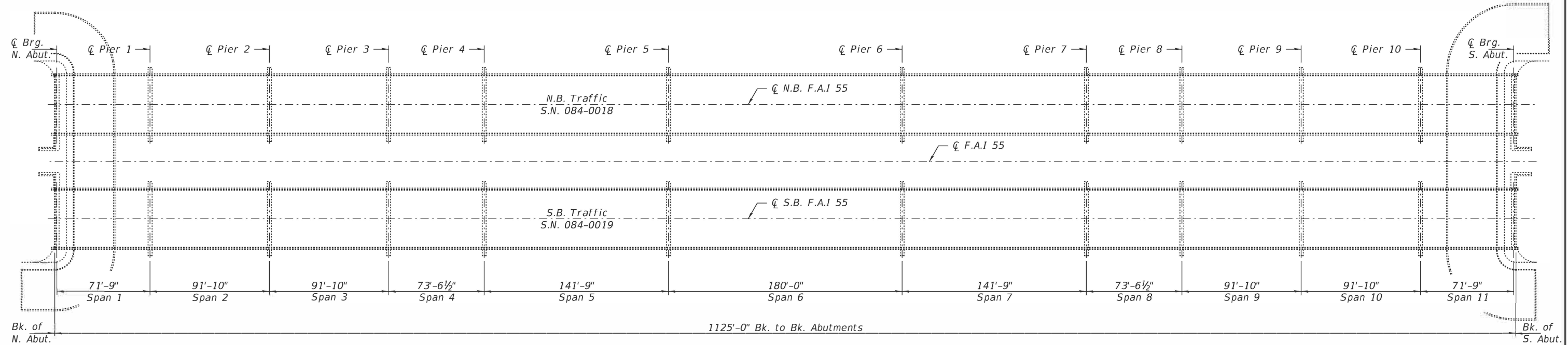
SUBSTRUCTURE REPAIR DETAILS - PIER 1
SN 084-0017 (NB)

SHEET NO. 16 OF 16 SHEETS

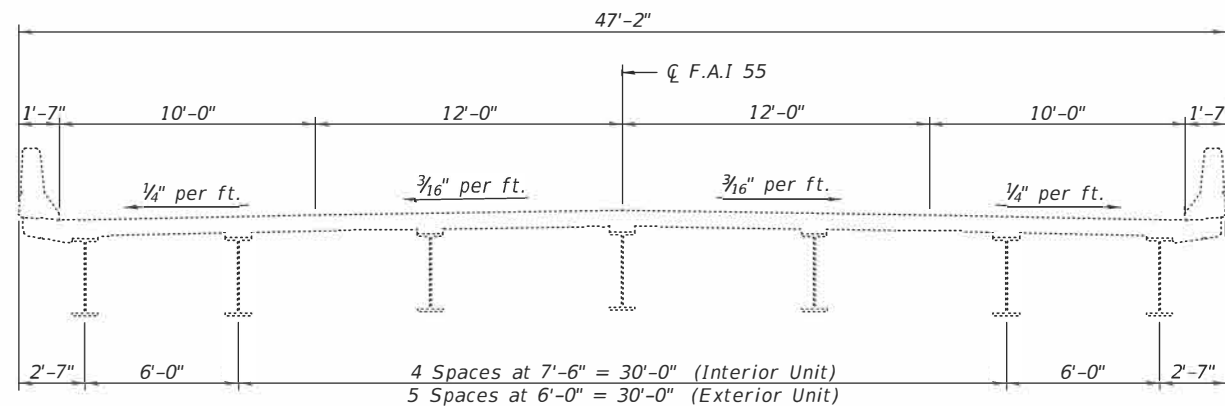
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	80
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L67	



ELEVATION



PLAN



CROSS SECTION
(084-0018 Looking South)
(084-0019 Looking South)

Note:
Refer to roadway plans for staging information.

GENERAL NOTES

Areas of deck repairs shown are estimated. The Engineer shall show actual locations of deck repairs on As-built Plans.
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.
Work to be completed under road closure.
Bridge Deck Concrete Sealer shall apply to the deck slab repaired area only.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair (Partial)	Sq. Yd.	1000
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	100
Bridge Deck Concrete Sealer	Sq. Ft.	11250
Joint Sealing (Patches)	Foot	1250

EXPIRES 11-30-2022



DESIGNED - Chi-Cheung Chau	EXAMINED - <i>Tracy A. Beck</i>	DATE - JANUARY 31, 2021
CHECKED - Stephen M. Ryan	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Reddy	PASSED - <i>David Puze</i>	REVISED -
CHECKED - CCC SMR	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

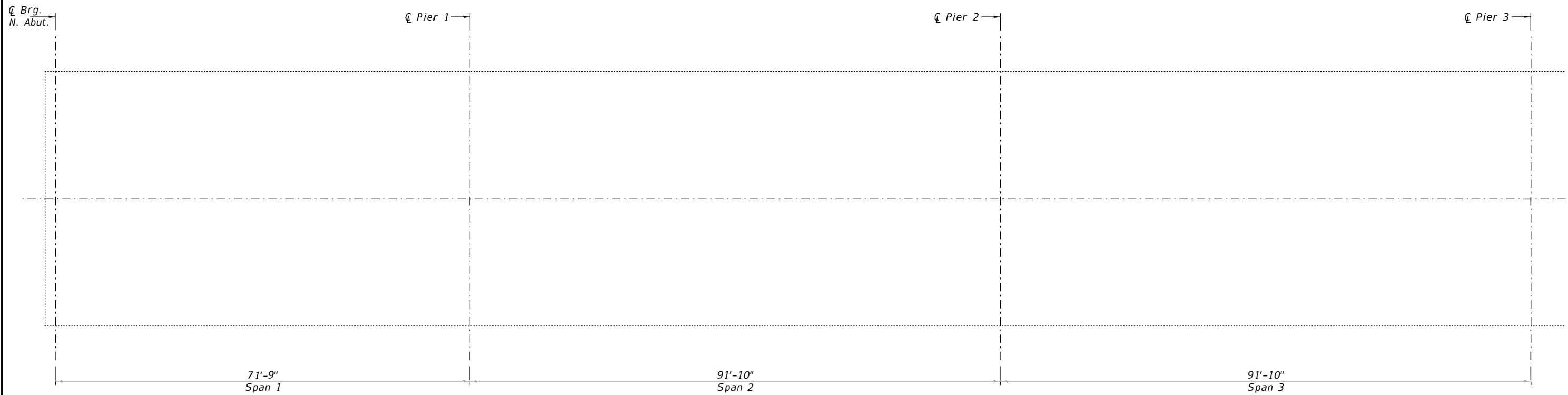
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
FAS 55 OVER SANGAMON RIVER
SN 084 - 0018 (NB) & 0019 (SB)

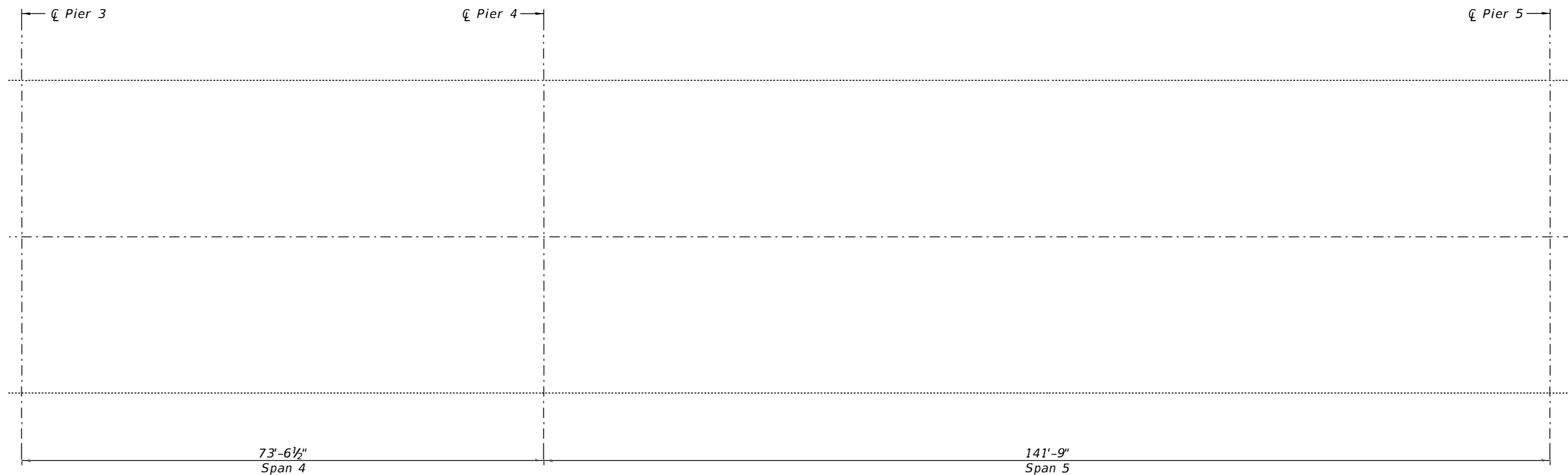
SHEET NO. 1 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	81
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

REV. - MS



PARTIAL PLAN - SPAN 1, 2 & 3



PARTIAL PLAN - SPAN 4 & 5

LOCATION AND SIZE OF EACH ACTUAL PATCH SHOULD BE INCLUDED ON THESE SHEETS

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Deck Slab Repair (Partial)	Sq. Yd.	
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	

REV. - MS

DESIGNED - CCC
 CHECKED - SMR
 DRAWN - Venkat Reddy
 CHECKED - CCC SMR

EXAMINED *Timothy A. Daulton*
ENGINEER OF STRUCTURAL SERVICES
 PASSED *Carl Pinner*
ENGINEER OF BRIDGES AND STRUCTURES

DATE - JANUARY 31, 2021
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PATCHING PLAN - SPAN 1 TO 5 - AS BUILT
 SN 084 - 0018

SHEET NO. 2 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	82
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

☉ Pier 5

☉ Pier 6

LOCATION AND SIZE
OF EACH ACTUAL
PATCH SHOULD BE
INCLUDED ON THESE
SHEETS

180'-0"
Span 6

PARTIAL PLAN - SPAN 6

☉ Pier 6

☉ Pier 7

☉ Pier 8

141'-9"
Span 7

73'-6 1/2"
Span 8



PARTIAL PLAN - SPAN 7 & 8

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Deck Slab Repair (Partial)	Sq. Yd.	
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	

REV. - MS

DESIGNED - CCC
 CHECKED - SMR
 DRAWN - Venkat Reddy
 CHECKED - CCC SMR

EXAMINED

 ENGINEER OF STRUCTURAL SERVICES
 PASSED

 ENGINEER OF BRIDGES AND STRUCTURES

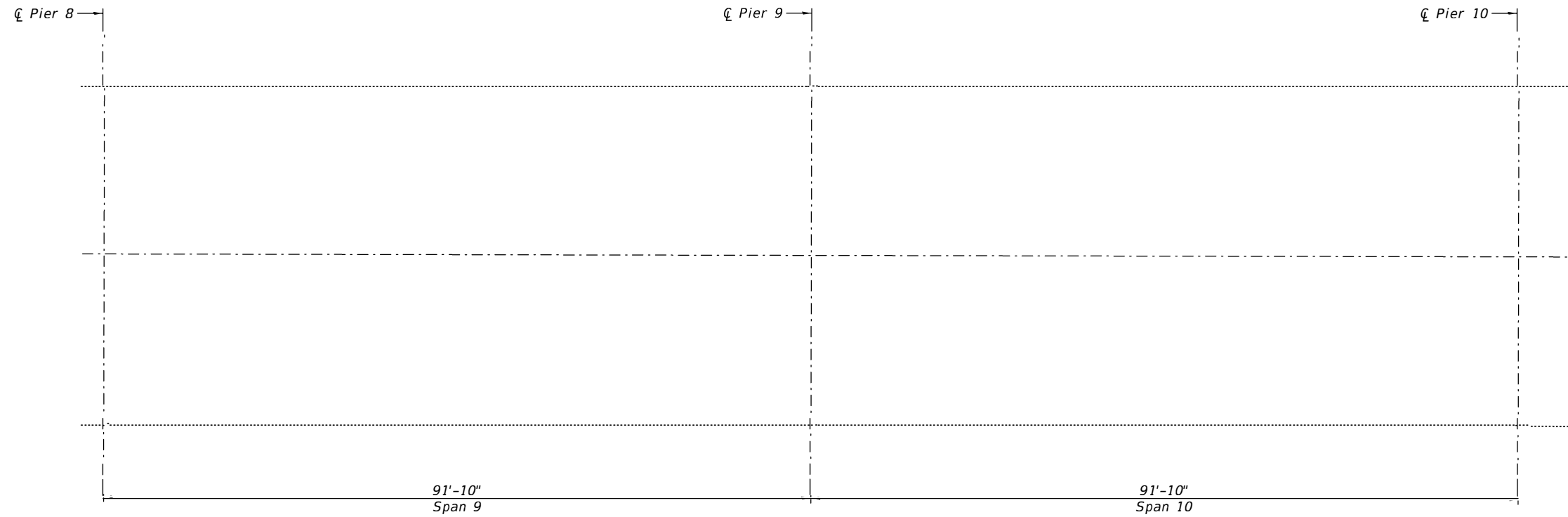
DATE - JANUARY 31, 2021
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

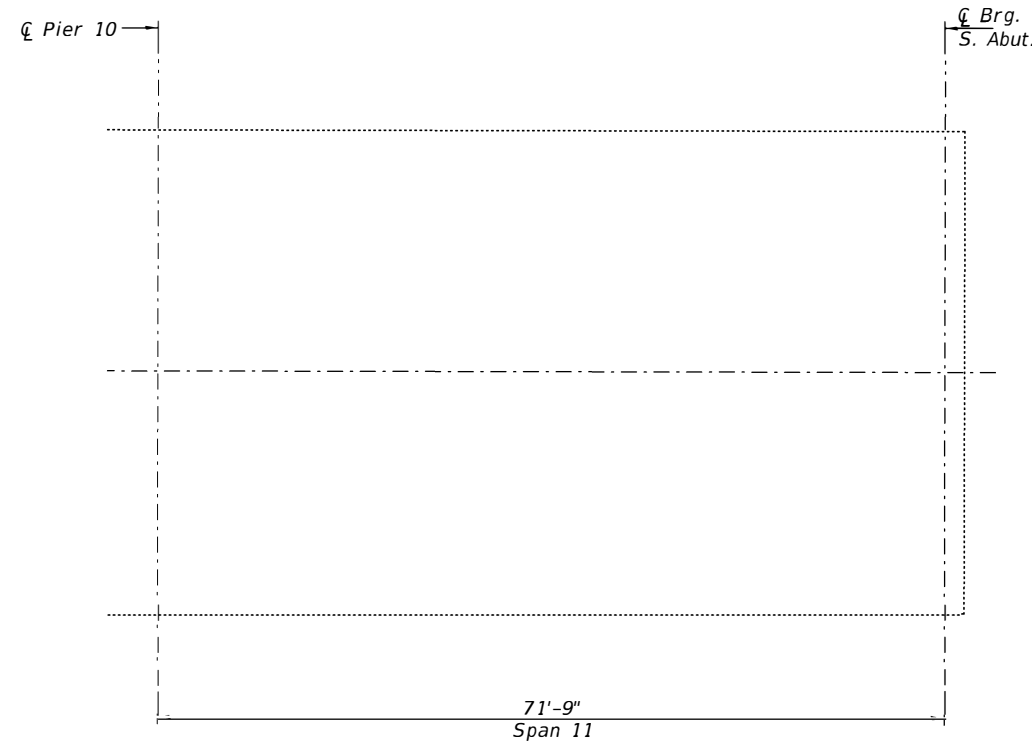
PATCHING PLAN - SPAN 6 TO 8 - AS BUILT
 SN 084-0018

SHEET NO. 3 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	83
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



PARTIAL PLAN - SPAN 9 & 10



PARTIAL PLAN - SPAN 11

LOCATION AND SIZE
OF EACH ACTUAL
PATCH SHOULD BE
INCLUDED ON THESE
SHEETS

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Deck Slab Repair (Partial)	Sq. Yd.	
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	

DESIGNED - CCC	EXAMINED - <i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	DATE - JANUARY 31, 2021
CHECKED - SMR	PASSED - <i>Carl King</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - Venkat Reddy		REVISED -
CHECKED - CCC SMR		

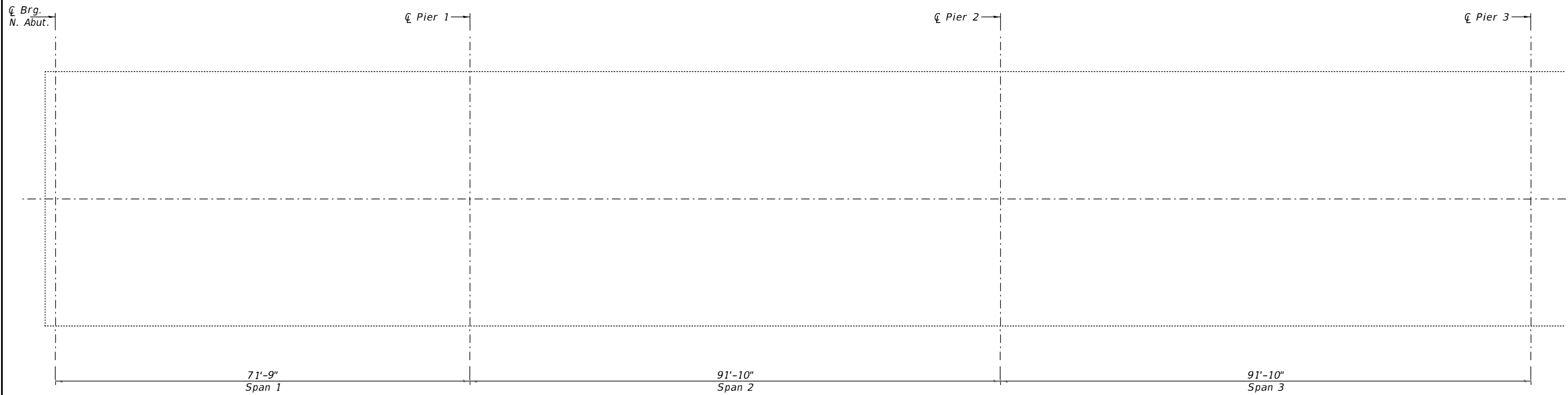
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PATCHING PLAN - SPAN 9 TO 11 - AS BUILT
SN 084 - 0018

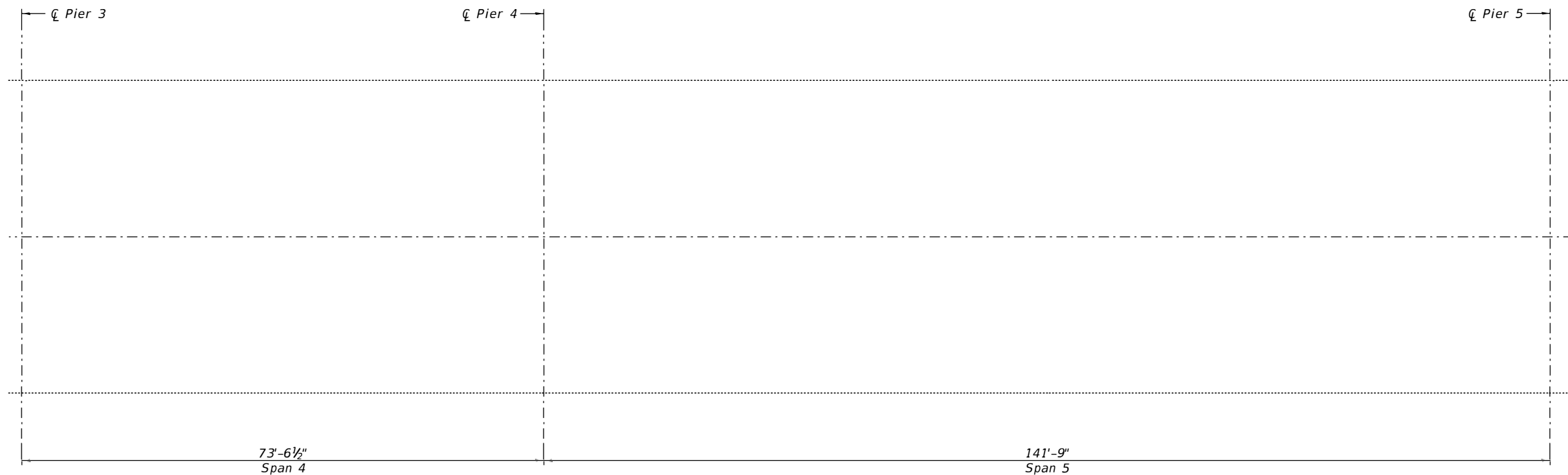
SHEET NO. 4 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	84
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L67	

REV. - MS



PARTIAL PLAN - SPAN 1, 2 & 3



PARTIAL PLAN - SPAN 4 & 5

LOCATION AND SIZE
OF EACH ACTUAL
PATCH SHOULD BE
INCLUDED ON THESE
SHEETS

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Deck Slab Repair (Partial)	Sq. Yd.	
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	

REV. - MS

DESIGNED - CCC	EXAMINED - <i>Timothy A. Daulton</i>	DATE - JANUARY 31, 2021
CHECKED - SMR	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Reddy	PASSED - <i>Carl Pinner</i>	REVISED -
CHECKED - CCC SMR	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PATCHING PLAN - SPAN 1 TO 5 - AS BUILT
SN 084 - 0019

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	85
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

SHEET NO. 5 OF 7 SHEETS

☉ Pier 5

☉ Pier 6

LOCATION AND SIZE
OF EACH ACTUAL
PATCH SHOULD BE
INCLUDED ON THESE
SHEETS

180'-0"
Span 6

PARTIAL PLAN - SPAN 6

☉ Pier 6

☉ Pier 7

☉ Pier 8

141'-9"
Span 7

73'-6 1/2"
Span 8



PARTIAL PLAN - SPAN 7 & 8

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Deck Slab Repair (Partial)	Sq. Yd.	
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	

REV. - MS

DESIGNED - CCC
 CHECKED - SMR
 DRAWN - Venkat Reddy
 CHECKED - CCC SMR

EXAMINED

 ENGINEER OF STRUCTURAL SERVICES
 PASSED

 ENGINEER OF BRIDGES AND STRUCTURES

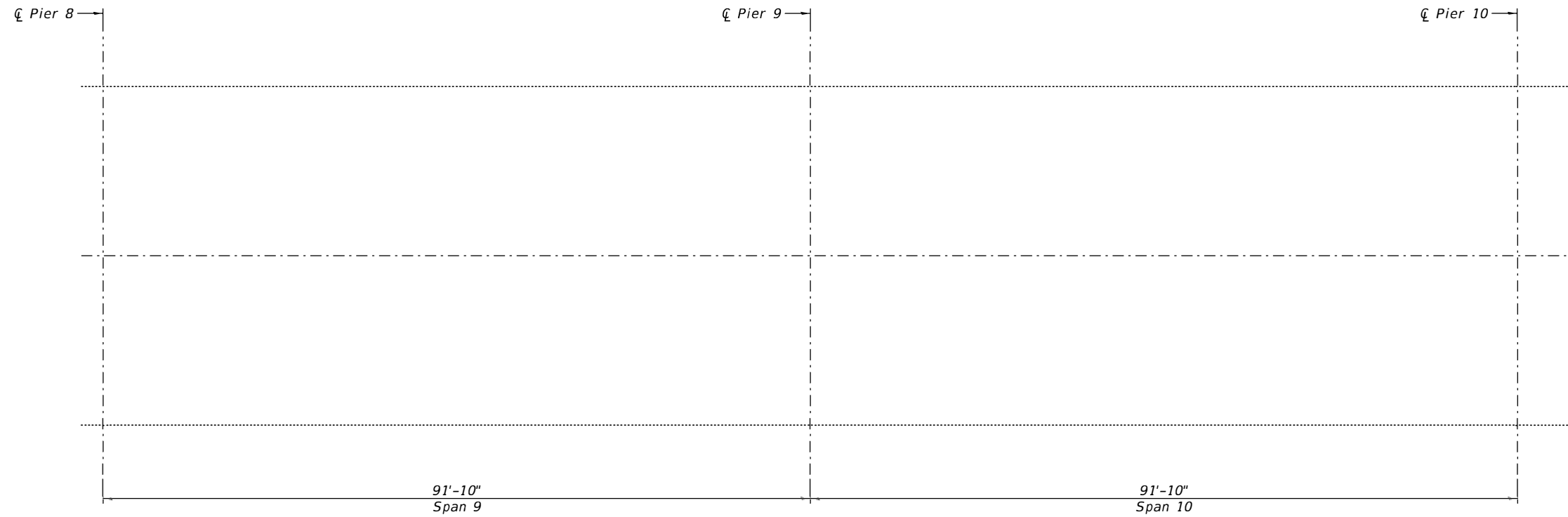
DATE - JANUARY 31, 2021
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PATCHING PLAN - SPAN 6 TO 8 - AS BUILT
 SN 084-0019

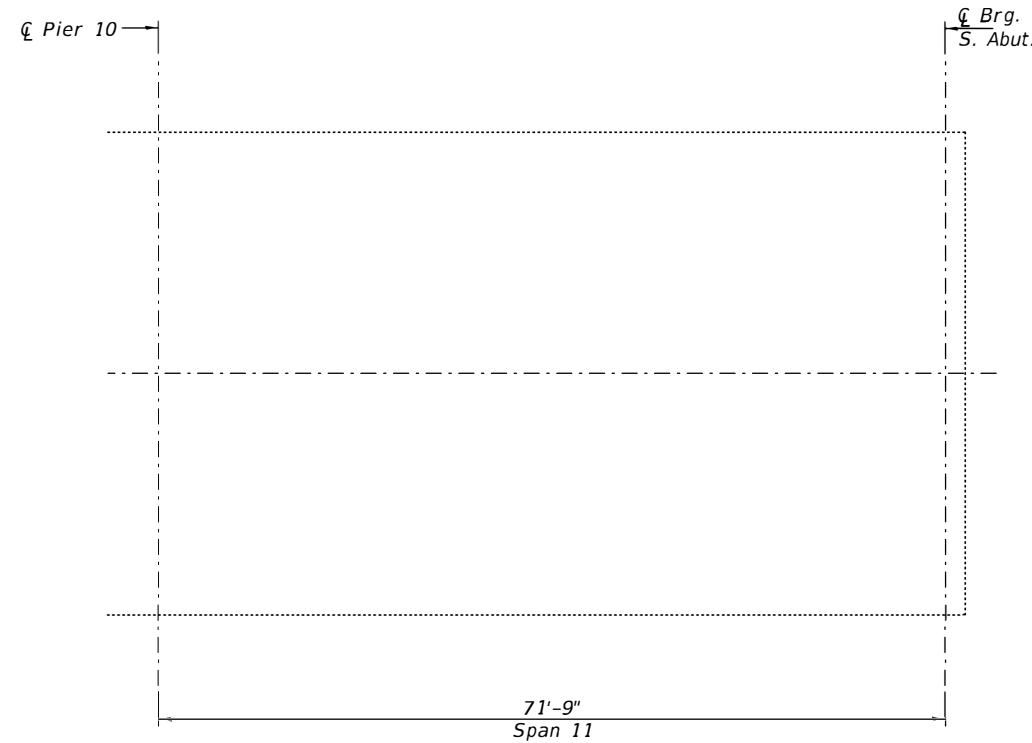
SHEET NO. 6 OF 7 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR, (84-2-2)BDR-1	SANGAMON	94	86
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



PARTIAL PLAN - SPAN 9 & 10

LOCATION AND SIZE
OF EACH ACTUAL
PATCH SHOULD BE
INCLUDED ON THESE
SHEETS



PARTIAL PLAN - SPAN 11

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Deck Slab Repair (Partial)	Sq. Yd.	
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	

REV. - MS

DETOUR TO NORTH 55 M4-8 24X12
M4-5(BL) 24X12
M3-1(BL) 24X12
M1-1 24X24
M5-1L (2115) (BL)

DETOUR TO NORTH 55 M4-8 24X12
M4-5(BL) 24X12
M3-1(BL) 24X12
M1-1 24X24
M6-1L (2115) (BL)

DETOUR TO NORTH 55 M4-8 24X12
M4-5(BL) 24X12
M3-1(BL) 24X12
M1-1 24X24
M6-1R (2115) (BL)

DETOUR TO NORTH 55 M4-8 24x12
M4-5 (BL) 24X12
M3-1 (BL) 24X12
M1-1 24X24
M6-1L (2115) (BL)

DETOUR TO NORTH 55 M4-8 24x12
M4-5 (BL) 24X12
M3-1 (BL) 24X12
M1-1 24X24
M6-3 (BL) 21X15

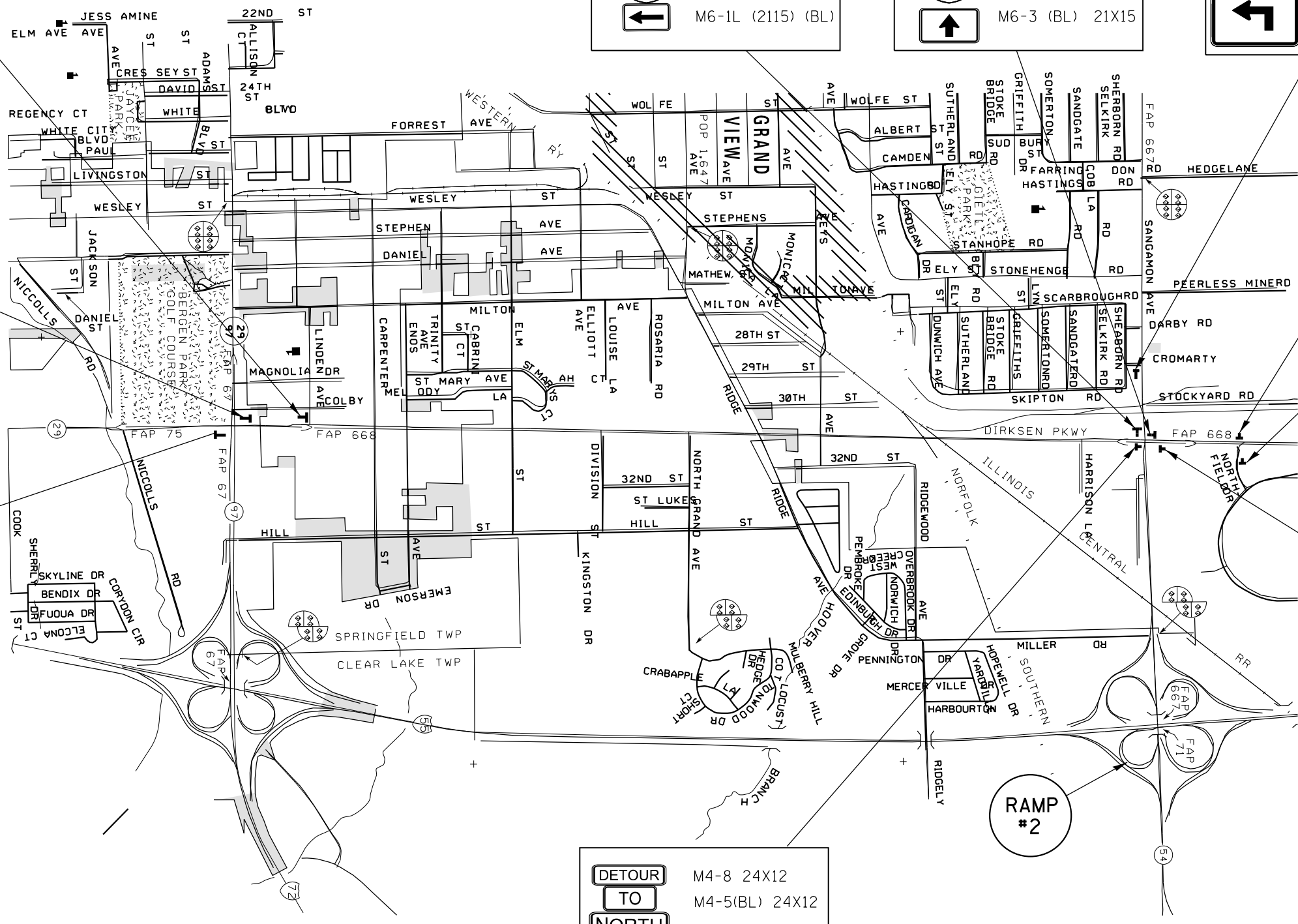
DETOUR TO NORTH 55 M4-8 24x12
M4-5 (BL) 24X12
M3-1 (BL) 24X12
M1-1 24X24
M5-1L (2115) (BL)

DETOUR TO NORTH 55 M4-8 24X12
M4-5(BL) 24X12
M3-1(BL) 24X12
M1-1 24X24
M6-1R (2115) (BL)

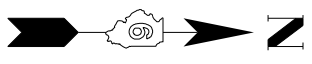
DETOUR TO NORTH 55 M4-8 24x12
M4-5 (BL) 24X12
M3-1 (BL) 24X12
M1-1 24X24
M5-1R (2115) (BL)

DETOUR TO NORTH 55 M4-8 24X12
M4-5(BL) 24X12
M3-1(BL) 24X12
M1-1 24X24
M6-3 (BL) 21X15



DETOUR TO NORTH 55 M4-8 24X12
M4-5(BL) 24X12
M3-1(BL) 24X12
M1-1 24X24
M6-3 (BL) 21X15







DETOUR ROUTE WHEN RAMP #2 (N.B. I-55) IS CLOSED DUE TO PROPOSED CONSTRUCTION







FILE NAME =	USER NAME = EDWARDSJD	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR ROUTE		F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\0672L67\Drawings\CABsheets\0672L67-sht-detour.dwg		DRAWN -	REVISED -		55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	88		
PLOT SCALE = 4096.0000 / in.		CHECKED -	REVISED -		CONTRACT NO. 72L67						
PLOT DATE = 12/18/2020		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

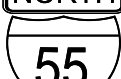

DETOUR M4-8 24X12
TO M4-5(BL) 24X12
NORTH M3-1(BL) 24X12
 M1-1 24X24
 M6-3 (BL) 21X15



DETOUR M4-8 24x12
TO M4-5 (BL) 24X12
NORTH M3-1 (BL) 24X12
 M1-1 24X24
 M6-1L (2115) (BL)

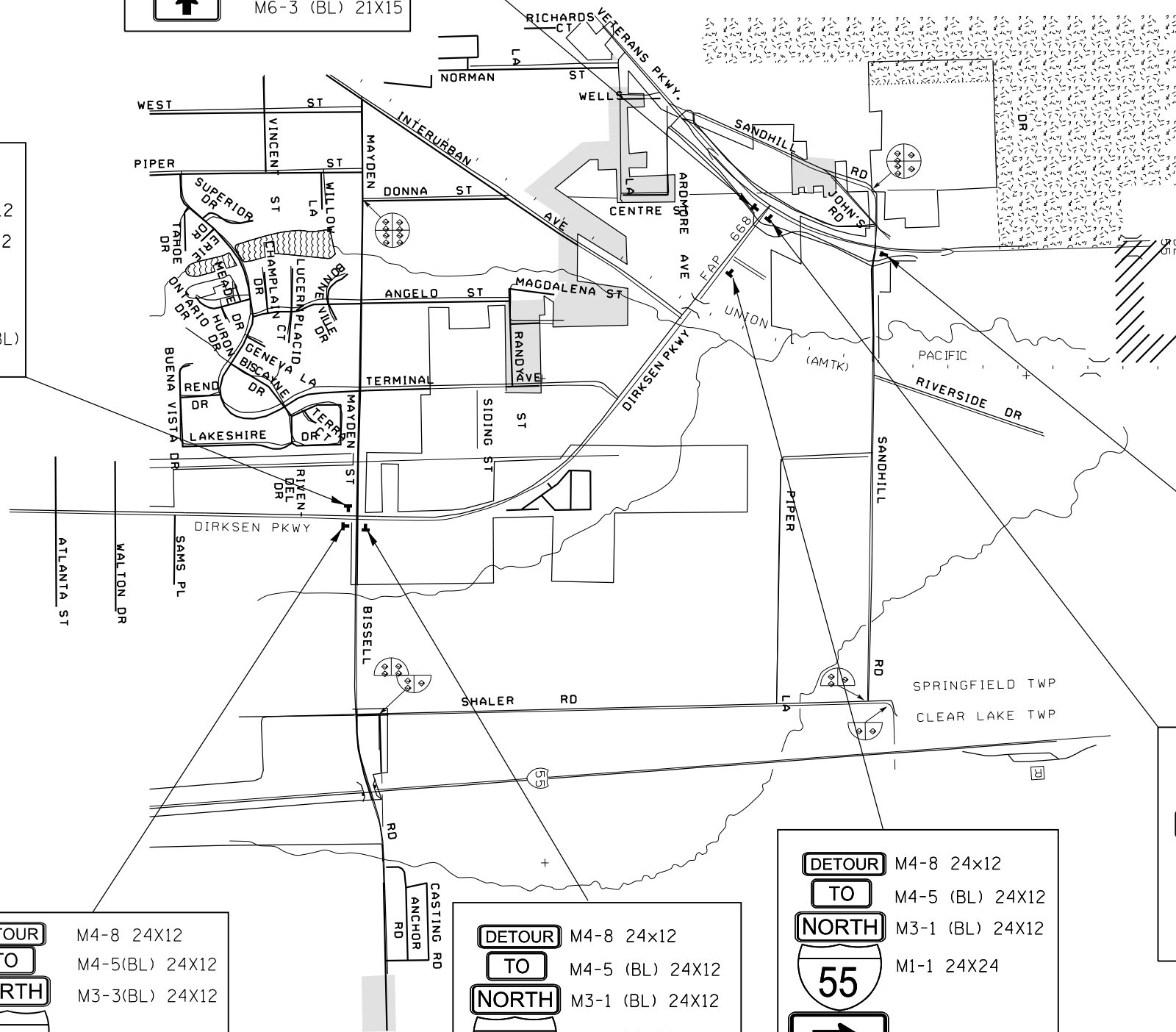
DETOUR M4-8 24X12
TO M4-5(BL) 24X12
NORTH M3-1(BL) 24X12
 M1-1 24X24
 M6-3 (BL) 21X15

DETOUR M4-8 24x12
TO M4-5 (BL) 24X12
NORTH M3-1 (BL) 24X12
 M1-1 24X24
 M6-1R (2115) (BL)

DETOUR M4-8 24X12
TO M4-5(BL) 24X12
NORTH M3-3(BL) 24X12
 M1-1 24X24
 M6-3 (BL) 21X15

DETOUR M4-8 24x12
TO M4-5 (BL) 24X12
NORTH M3-1 (BL) 24X12
 M1-1 24X24
 M6-1R (2115) (BL)

DETOUR M4-8 24x12
TO M4-5 (BL) 24X12
NORTH M3-1 (BL) 24X12
 M1-1 24X24
 M5-1R (2115) (BL)



DETOUR ROUTE WHEN RAMP #2
 (N.B. I-55 / SANGAMON AVE) IS
 CLOSED DUE TO PROPOSED
 CONSTRUCTION

DETOUR TO SOUTH 55 ← M6-1L (2115) (BL)

M4-8 24X12
M4-5(BL) 24X12
M3-3(BL) 24X12
M1-1 24X24

DETOUR TO SOUTH 55 ↙ M5-1L (2115) (BL)

M4-8 24X12
M4-5(BL) 24X12
M3-3(BL) 24X12
M1-1 24X24

DETOUR TO SOUTH 55 ↑ M6-3 (BL) 21X15

M4-8 24X12
M4-5(BL) 24X12
M3-3(BL) 24X12
M1-1 24X24

DETOUR TO SOUTH 55 ← M6-1L (2115) (BL)

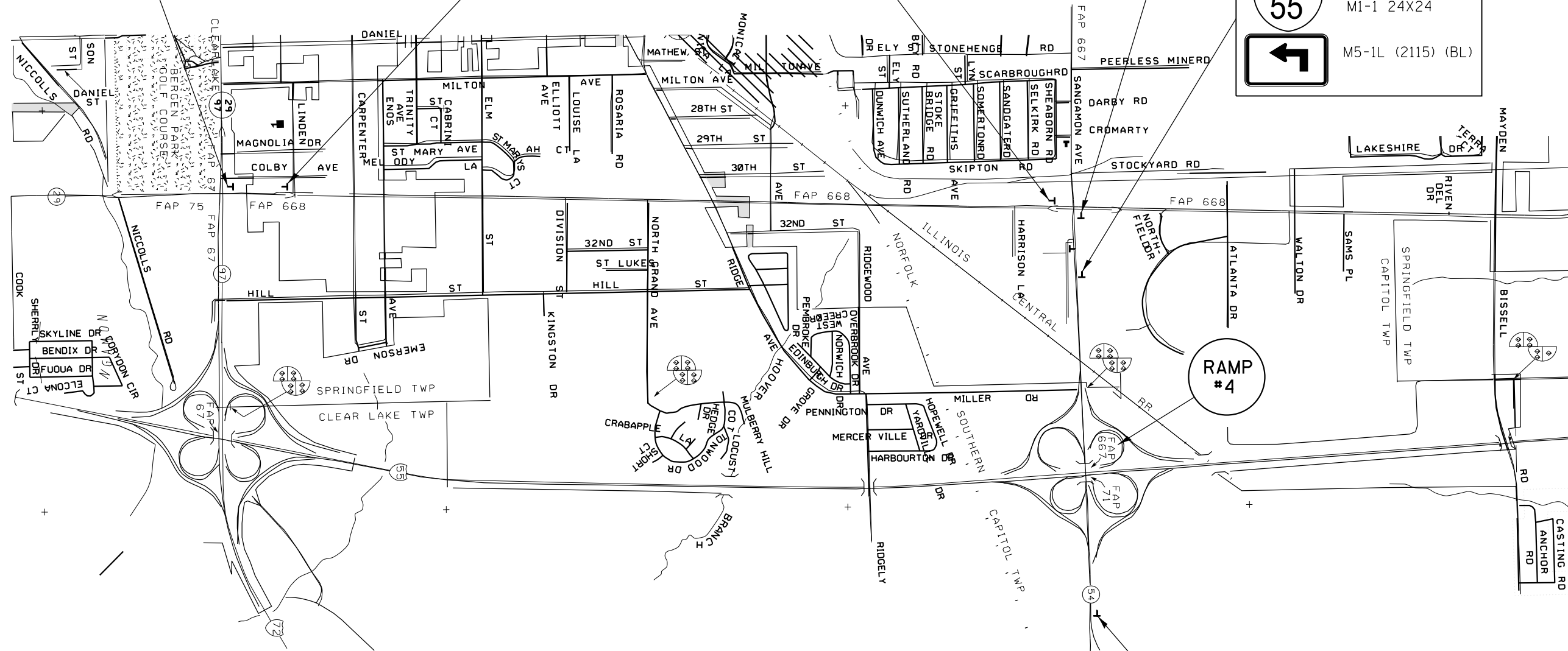
M4-8 24X12
M4-5(BL) 24X12
M3-3(BL) 24X12
M1-1 24X24

DETOUR TO SOUTH 55 ↙ M5-1L (2115) (BL)

M4-8 24X12
M4-5(BL) 24X12
M3-3(BL) 24X12
M1-1 24X24

DETOUR TO SOUTH 55 ↑ M6-3 (BL) 21X15

M4-8 24X12
M4-5(BL) 24X12
M3-3(BL) 24X12
M1-1 24X24



DETOUR ROUTE WHEN RAMP #4
(N.B. I-55 / SANGAMON AVE) IS
CLOSED DUE TO PROPOSED
CONSTRUCTION

FILE NAME =	USER NAME = EDWARDSJD	DESIGNED -	REVISED -
p:\planroom\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\0672L67\DRAWING\CABsheets\0672L67-sht-detour.dwg		DRAWN -	REVISED -
PLOT SCALE = 4096.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 12/18/2020		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR ROUTE	
SCALE:	SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(84-2)BDR,(84-2-2)BDR-1	SANGAMON	94	90
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. MILEAGES FOR WW AND PCMS ARE APPROXIMATE AND CAN BE FIELD ADJUSTED AS NECESSARY BY THE ENGINEER TO MATCH THE FIELD AND TRAFFIC CONDITIONS.
2. PCMS SHALL BE PAID FOR SEPARATLY PER CAL DAY AND NOT A PART OF THE REAL TIME TRAFFIC CONTROL SYSTEM.
3. " BE PREPARED TO STOP SIGNS" SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER AS DESCRIBED IN THE SPECIAL PROVISIONS.
4. SEE SHEET 93 FOR REAL TIME TRAFFIC CONTROL SETUP DETAIL

SN 084-0015

SN 084-0018

LANE CLOSURE
TAPER BEGINS
1 MILE



SN 084-0017

RCA
NB RAMP (R)

3 MILES



4 MILES



5 MILES



6.2 MILES



RCA
NB RAMP (R)

RCA
NB RAMP (R)

7.5 MILES



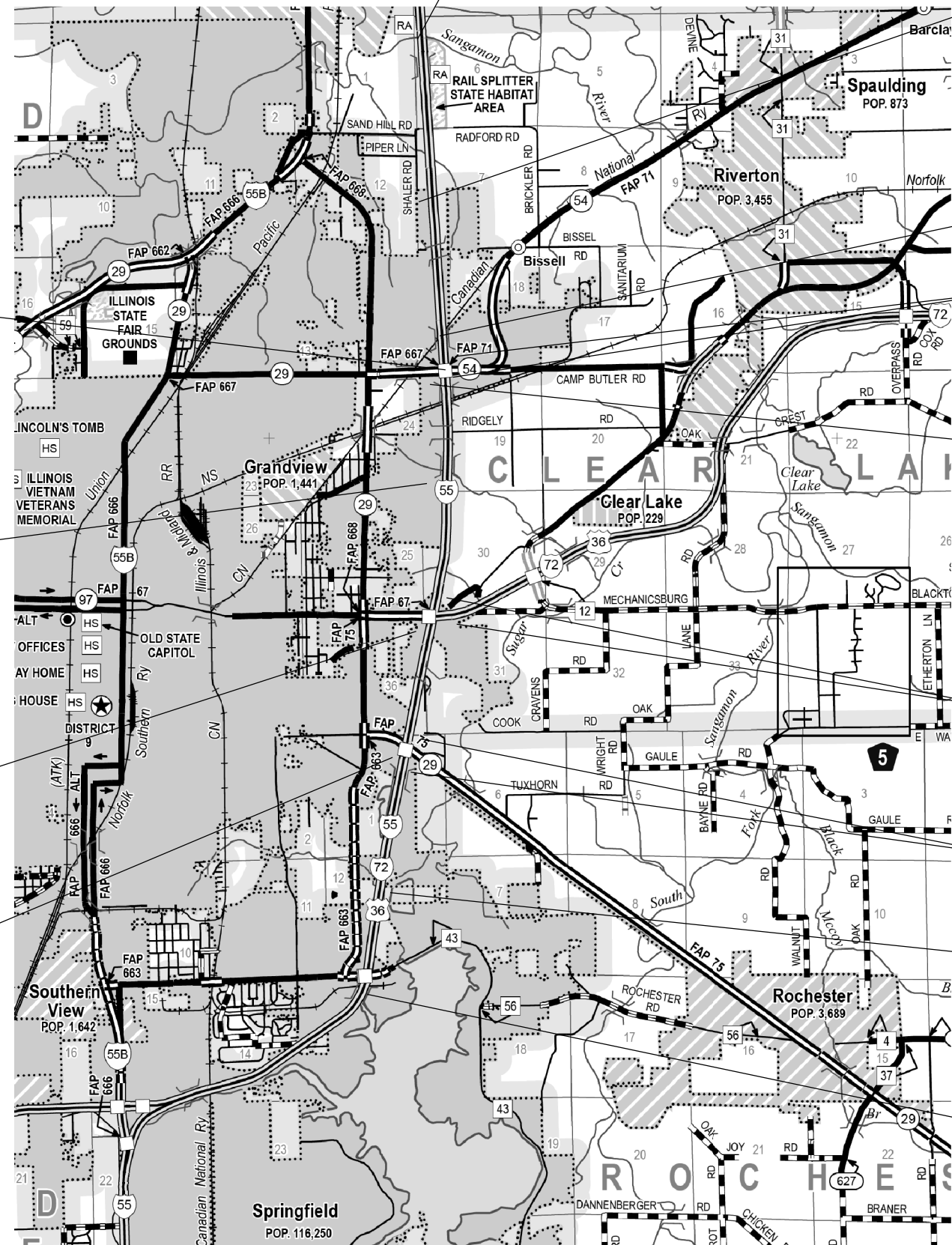
8 MILE
(5 MILE RCA) (R)

LEGEND

(R) - ROAD CONSTRUCTION AHEAD

WW - WIG-WAG TRAFFIC WARNING

PCMS - PORTABLE CHANGEABLE MESSAGE SIGN



MODEL: Default
FILE: N:\GIS_PlanRoom\dot\Documents\DOT_Offices\Director @Projects\084-0017\CADDData\CAD\Sheets\084-0017-91-SMTS.dgn

USER NAME = EDWARDSJD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WIG-WAG TRAFFIC WARNING SYSTEM PLACEMENT DETAIL
(NORTHBOUND)**

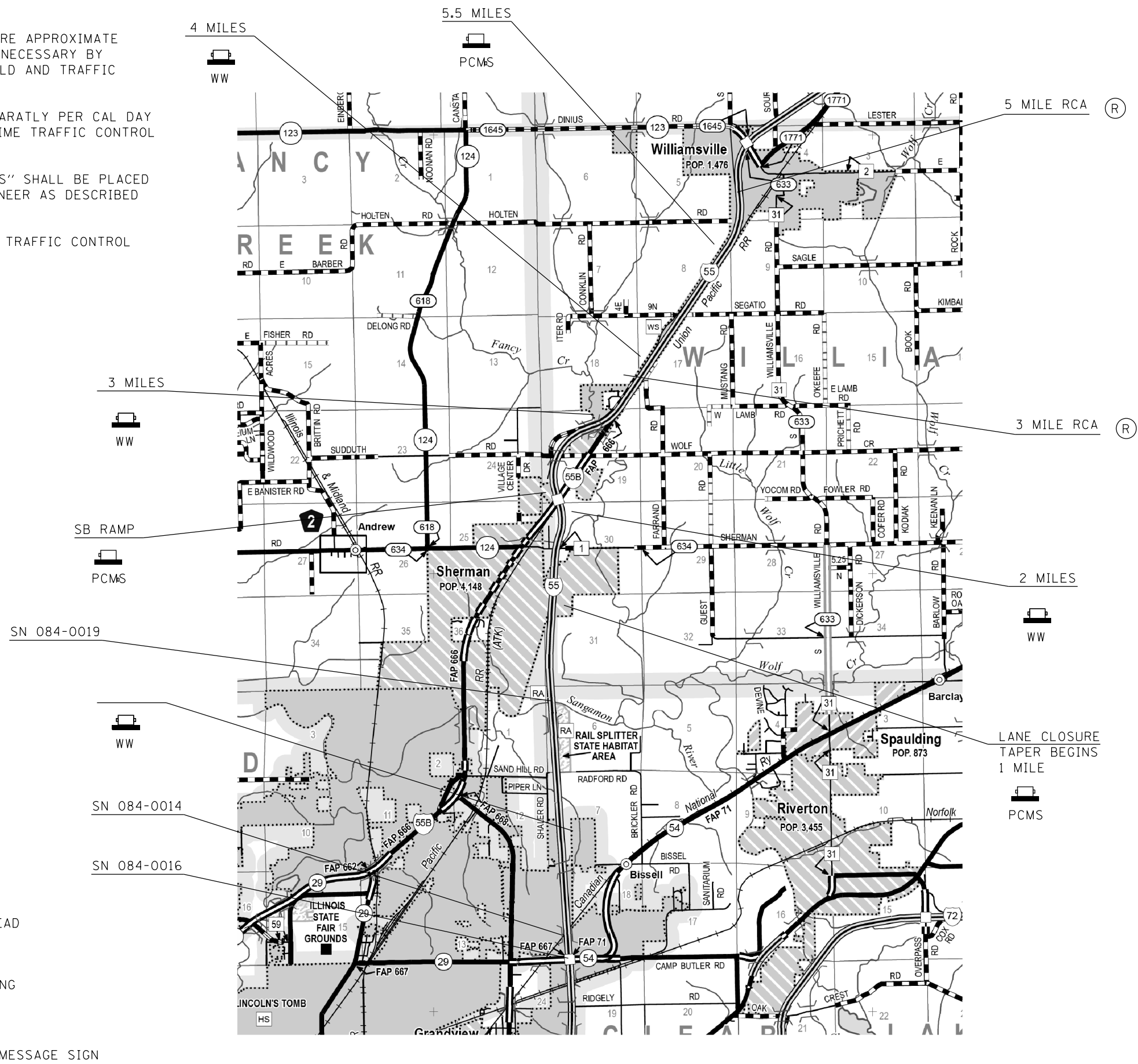
SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	SANGAMON	94	91
			CONTRACT NO. 72L67	
ILLINOIS FED. AID PROJECT				

(84-2) BDR, (84-2-2) BDR-1

GENERAL NOTES

1. MILEAGES FOR WW AND PCMS ARE APPROXIMATE AND CAN BE FIELD ADJUSTED AS NECESSARY BY THE ENGINEER TO MATCH THE FIELD AND TRAFFIC CONDITIONS.
2. PCMS SHALL BE PAID FOR SEPARATLY PER CAL DAY AND NOT A PART OF THE REAL TIME TRAFFIC CONTROL SYSTEM.
3. " BE PREPARED TO STOP SIGNS" SHALL BE PLACED AT THE DISCRETION OF THE ENGINEER AS DESCRIBED IN THE SPECIAL PROVISIONS.
4. SEE SHEET 93 FOR REAL TIME TRAFFIC CONTROL SETUP DETAIL



LEGEND

(R) - ROAD CONSTRUCTION AHEAD

WW - WIG-WAG TRAFFIC WARNING

PCMS - PORTABLE CHANGEABLE MESSAGE SIGN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

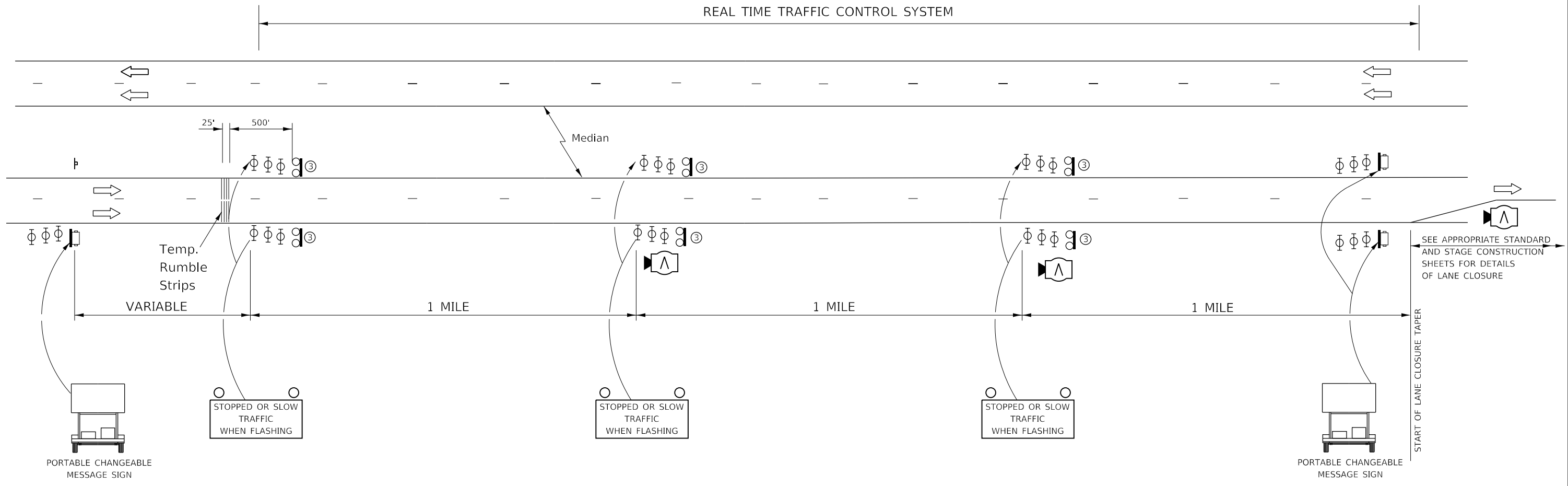
WIG-WAG TRAFFIC WARNING SYSTEM PLACEMENT DETAIL
(SOUTHBOUND)

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	SANGAMON	94	92
			CONTRACT NO. 72L67	
		ILLINOIS FED. AID PROJECT		

(84-2) BDR, (84-2-2) BDR-1

REAL TIME TRAFFIC CONTROL SYSTEM



GENERAL NOTE:

- ① ACTUAL LOCATION OF REAL TIME MONITOTING DEVICES SHALL BE BASED ON MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS ALONG WITH THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.
- ② MODIFICATIONS MAY BE NECESSARY TO ACCOMODATE SPECIFIC CLOSURES. ALL CHANGES WILL BE APPROVED BY THE ENGINEER.
- ③ SEE SHEETS 91-92 FOR REAL TIME TRAFFIC CONTROL PLACEMENT.
- ④ RUMBLE STRIPS PAID FOR AS TEMPORARY RUMBLE STRIPS_(EACH) SEE STANDARD 701901 FOR TYPICAL INSTALLATION.

- PORTABLE CHANGEABLE MESSAGE SIGN
- REAL TIME TRAFFIC SENSOR
- WARNING SIGN WITH WIG-WAG LIGHTS
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- TEMPORARY THERMOPLASTIC RUMBLE STRIPS

MODEL: Default
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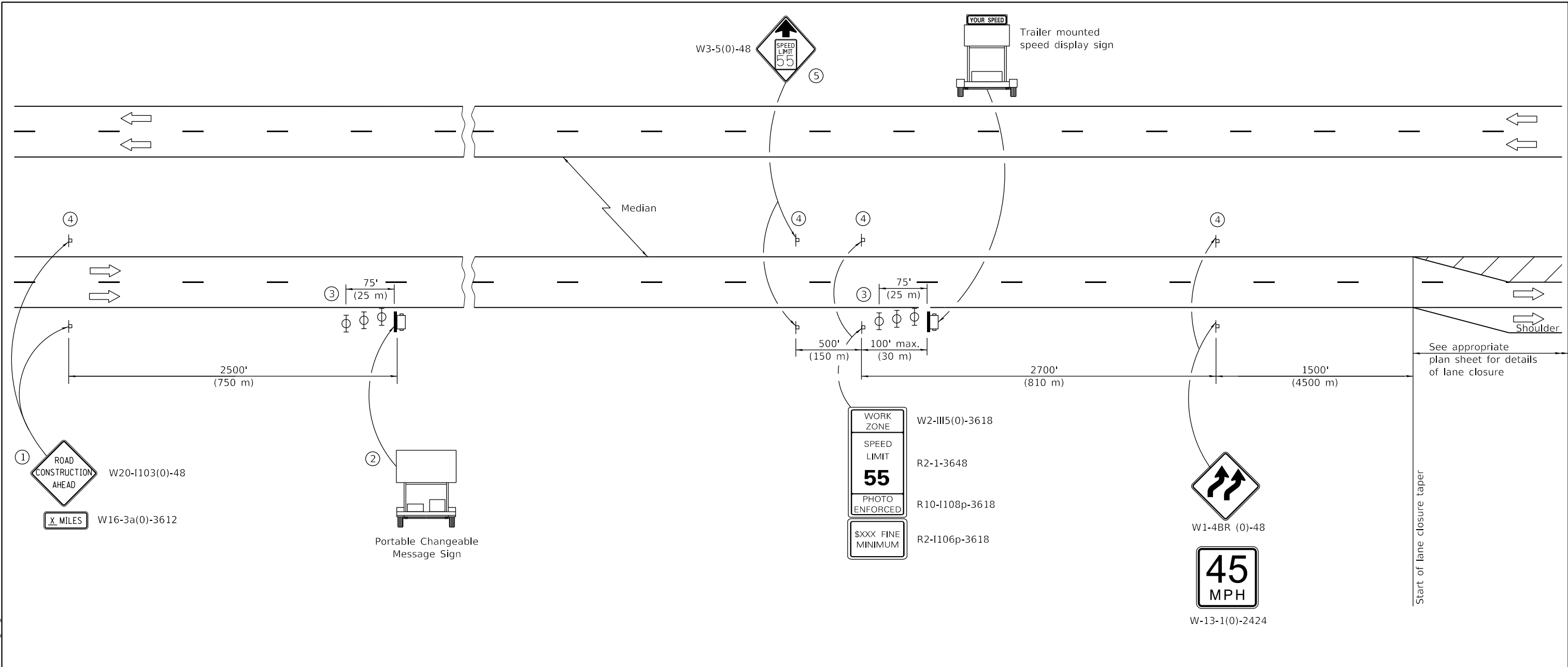
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/18/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**





**REAL TIME TRAFFIC
CONTROL SETUP DETAIL**

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	SANGAMON	94	93
CONTRACT NO. 72L67				
ILLINOIS FED. AID PROJECT				



SYMBOLS

-  Arrow board
-  Trailer mounted sign
-  Sign
-  Type II barricade, drum, or vertical barricade with monodirectional flashing light

- ① The Road Construction Ahead sign shall be located 3 to 5 miles in advance of the project limits. These signs will be omitted preceding the second lane shift.
- ② The message board shall be used to display status of lanes within the project. The primary messages shall be:
"Lane Shift" / " X Miles Ahead"
- ③ Three, Type II barricades, drums, or vertical barricades at 25' (8 m) centers.
- ④ This sign shall be omitted when median width is less than 10' (3 m).
- ⑤ This sign shall only be used if the existing speed limit is greater than 65 mph.

GENERAL NOTES

This detail is used for preceding signs to reverse curve lane shift on a freeway/expressway.

The first sign and the message board are stationary.

The last four signs and arrow board shall be moved as necessary to maintain the required distance from the start of the lane shift.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Default
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LANE SHIFT SIGN DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	*	SANGAMON	94	94
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72L67	