

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2) RS-4, (5-2) RS-1	RICHLAND	23	1
		ILLINOIS	CONTRACT NO. 74547	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATION EQUATIONS:

PT. STA.170 + 41.59(BK) = STA.170 + 51.91(AH)
PT. STA.307 + 39.87(BK) = STA.307 + 44.14(AH)

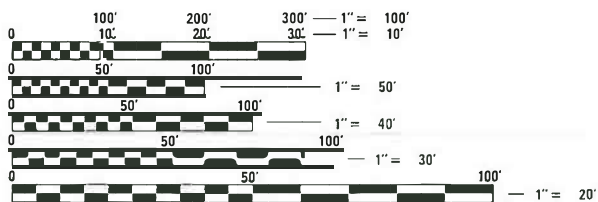
ADT = 6100 (2021)

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 327 (U.S. 50)
SECTION (4-2) RS-4, (5-2) RS-1
PROJECT NHPP-C2UX(775)
RESURFACING (DESIGNED OVERLAY)
RICHLAND COUNTY

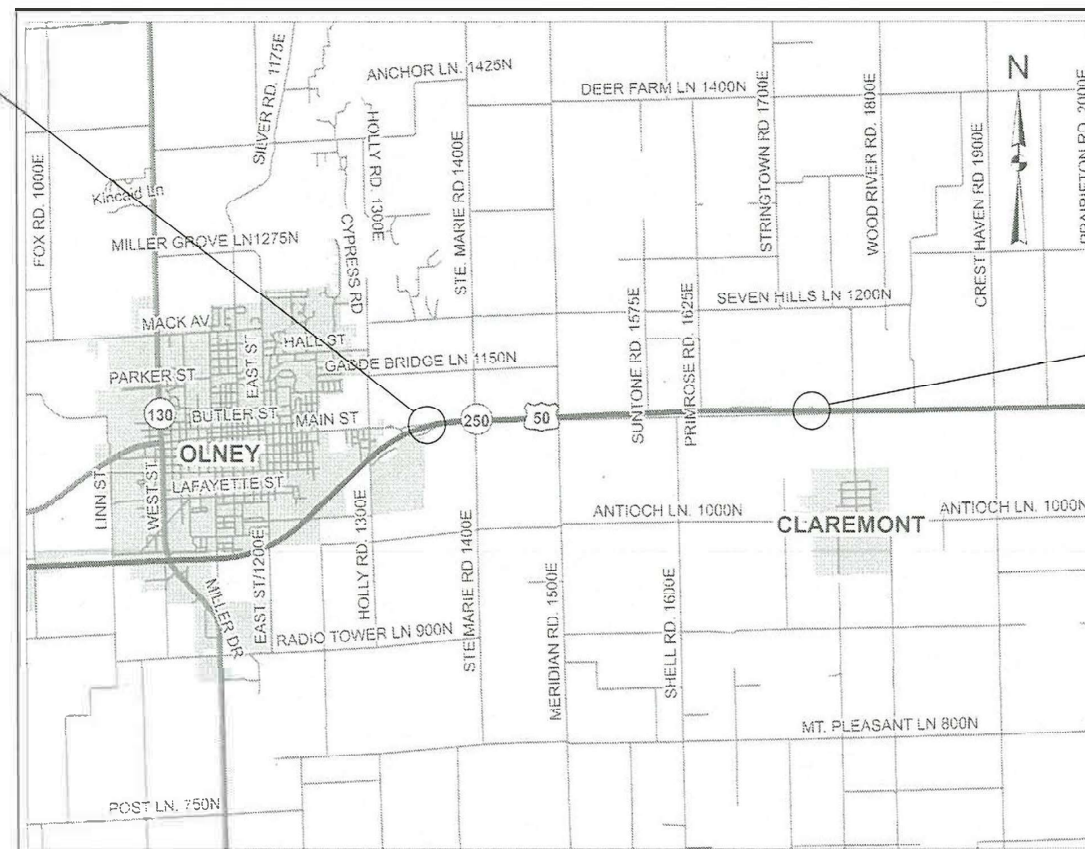
C-97-012-12

PROJECT BEGINS: STA.149 + 30



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

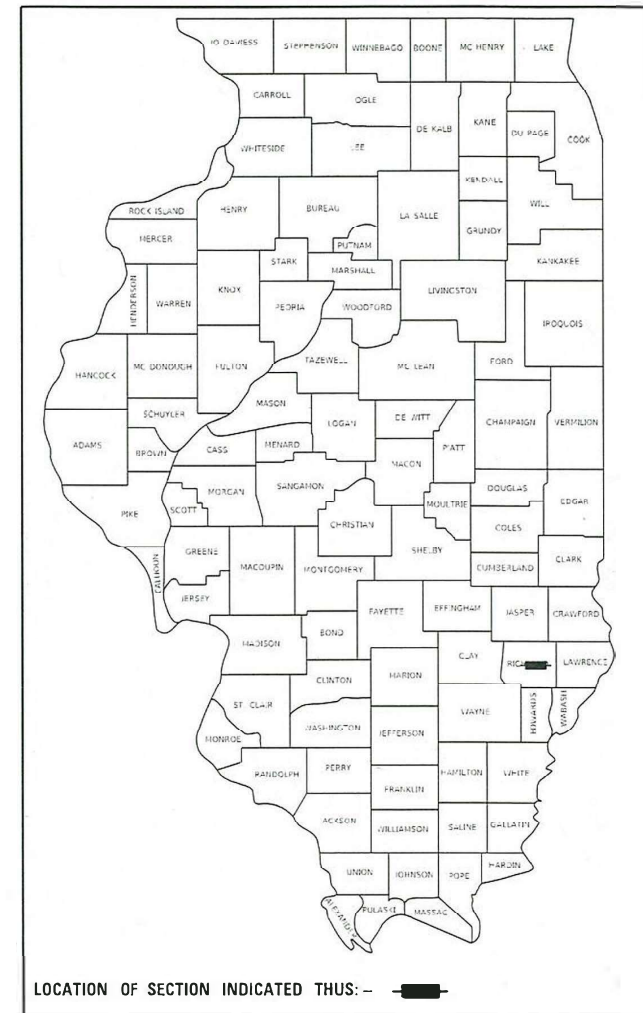


PROJECT ENGINEER: BRIAN LEWIS
PROJECT MANAGER: KELLEN KOCHER

GROSS LENGTH = 19,008 FT. = 3.60 MILE
NET LENGTH = 19,008 FT. = 3.60 MILE

CONTRACT NO. 74547

D-97-009-12



PROJECT ENDS: STA.339 + 53

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED DECEMBER 20 20 22
Jeffrey P. Myer REGIONAL ENGINEER
February 3, 2023
Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT
February 3, 2023
Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

THE WORK IN THIS SECTION INCLUDES PATCHING, MILLING AND RESURFACING THE EXISTING PAVEMENT AND SHOULDERS, SHOULDER RUMBLE STRIPS, AGGREGATE WEDGE SHOULDERS, PAINT PAVEMENT MARKING, THERMO-PLASTIC PAVEMENT MARKINGS, RAISED REFLECTIVE PAVEMENT MARKERS, AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION

THIS PROJECT IS LOCATED ON US 50, STARTING 0.6 MILES WEST OF THE STE MARIE RD, AND CONTINUING FOR 3.60 MILES, ENDING 4 MILES WEST OF THE LAWRENCE COUNTY LINE

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE HMA.

LONGITUDINAL JOINT SEALANT WILL BE APPLIED BETWEEN THE BINDER AND THE SURFACE COURSE AT ALL CENTERLINE AND TURN LANE JOINTS.

MATERIAL FOR AGGREGATE WEDGE SHOULDER, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE OR RAP. MATERIAL FOR AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.

WHEN APPLYING SHORT TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE AND PAINT SHALL BE USED ON THE MILLED AND BINDER SURFACES.

QUANTITY FOR THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS CONSISTS OF 93.6 SQUARE FEET OF WHITE.

QUANTITY FOR PAINT PAVEMENT MARKING - LINE 4" CONSISTS OF 33,929 FEET OF WHITE, AND 5,164 FEET OF YELLOW.

QUANTITY FOR THERMOPLASTIC PAVEMENT MARKING - LINE 4" CONSISTS OF 6,542 FEET OF YELLOW AND 3,416 FEET OF WHITE.

QUANTITY FOR THERMOPLASTIC PAVEMENT MARKING - LINE 12" CONSISTS OF 409 FEET OF YELLOW AND 96 FEET OF WHITE

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (2")	SBS PG 70-22	4.0% @ N=90	IL - 9.5	MIXTURE D	N90	QCP	1000	N/A
MAINLINE	POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N90 (1 3/4")	SBS PG 70-22	4.0% @ N=90	IL - 9.5FG	N/A	N90	QCP	1000	N/A
MAINLINE	CLASS "D" PATCHING	PG 64-22	4.0% @ N=90	IL - 19.0	N/A	N90	QC/QA	N/A	N/A
INCIDENTAL	INCIDENTAL HOT-MIX ASPHALT SURFACING	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	N/A	N/A

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS & LIST OF STANDARDS
3-4	SUMMARY OF QUANTITIES
5	TYPICAL CROSS SECTION
6-7	SCHEDULES OF QUANTITIES
8	ENTRANCE SCHEDULE
9-15	PLAN SHEETS
16-23	DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

STD. NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
642006-01	SHOULDER RUMBLE STRIPS, 8 INCH
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED RELECTIVE PAVEMENT MARKERS

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USER NAME = Jessica.Hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES AND INDEX OF SHEETS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISIED -	327						(4-2)RS-4, (5-2) RS-1	RICHLAND	23	2	
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISIED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.				CONTRACT NO. 74547				
PLOT DATE = 12/21/2022	DATE -	REVISIED -						ILLINOIS FED. AID PROJECT				

80% FED
20% STATE

80% FED
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	11	11		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	44046	44046		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	19008	19008		
40600990	TEMPORARY RAMP	SO YD	33	33		
40603219	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	TON	6395	6395		
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	7308	7308		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	106	106		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	65153	65153		
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SO YD	749.3	749.3		
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SO YD	178.7	178.7		
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SO YD	86.7	86.7		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1022	1022		
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	36788	36788		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005		
67100100	MOBILIZATION	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6187	6187		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	687	687		
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	94	94		
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	49050	49050		
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	300	300		
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	280	280		
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	505	505		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	94	94		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9957	9957		

* SPECIALTY ITEM

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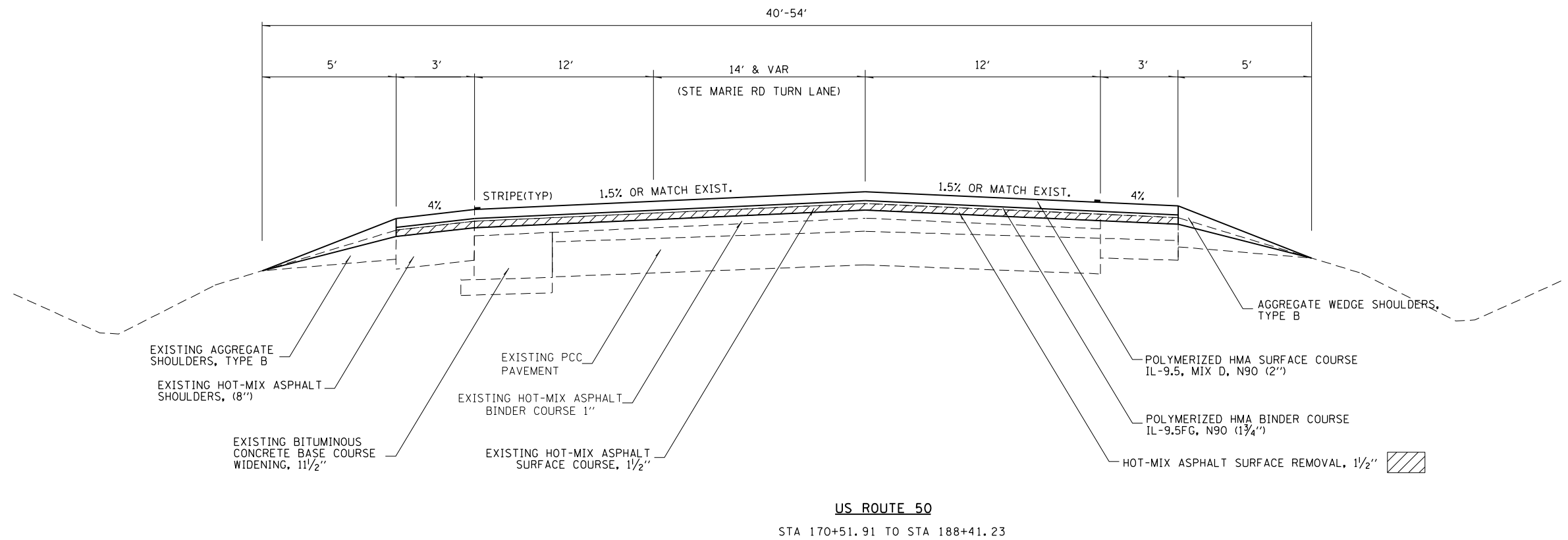
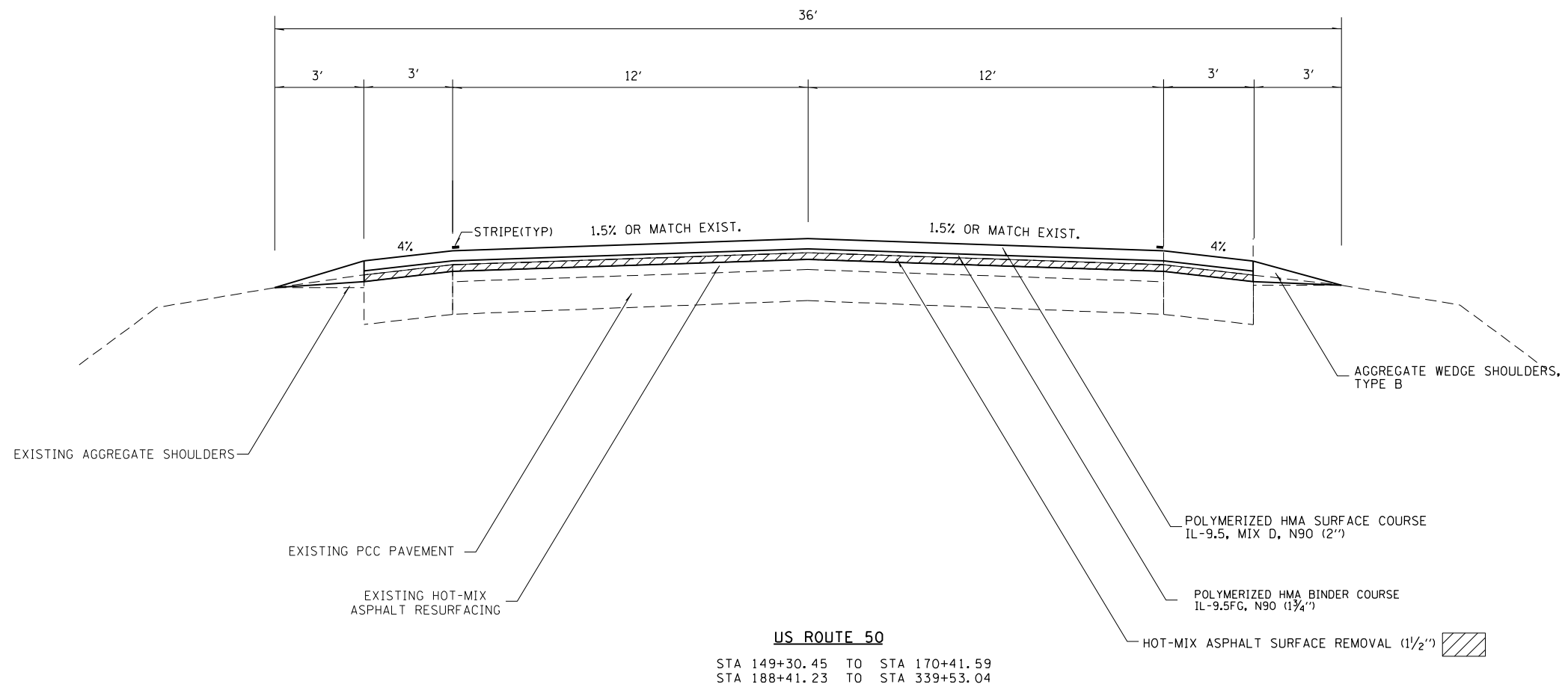
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PLOT DATE = 12/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2) RS-4, (5-2) RS-1	RICHLAND	23	3
CONTRACT NO. 74547				
ILLINOIS FED. AID PROJECT				



**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL
 SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	5
				CONTRACT NO. 74547

ILLINOIS FED. AID PROJECT

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PLOT DATE = 12/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

RESURFACING SCHEDULE			LENGTH	AVERAGE PAVEMENT WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL, 1.5" DEPTH	BITUMINOUS MATERIALS (TACK COAT)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90 (2")	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90 (1 3/4")	AGGREGATE WEDGE SHOULDERS, TYPE B	TEMPORARY RAMP	LONGITUDINAL JOINT SEALANT	SHOULDER RUMBLE STRIP, 8"
STATION	TO	STATION	FOOT	FOOT	SQ YD	SQ YD	POUND	TON	TON	TON	SQ YD	FOOT	FOOT
149+30.45	TO	170+41.59	2111.1	30.0	7037.1	6987.1	4750.1	788.2	689.6	97.4	16.7	2111.1	3732.7
STATION EQUATION			-	-	-	-	-	-	-	-	-	-	-
170+51.91	TO	176+36.82	584.9	37.0	2404.6	2404.6	1623.1	269.3	235.7	50.9	-	584.9	1169.8
176+36.82	TO	182+81.04	644.2	44.0	3149.5	3149.5	2125.9	352.7	308.7	56.0	-	644.2	1288.4
182+81.04	TO	188+41.23	560.2	37.0	2303.0	2303.0	1554.5	257.9	225.7	48.7	-	560.2	1120.4
188+41.23	TO	307+39.87	11898.6	30.0	39662.1	39662.1	26771.9	4442.2	3886.9	601.8	-	11898.6	23059.3
STATION EQUATION			-	-	-	-	-	-	-	-	-	-	-
307+44.14	TO	339+53.04	3208.9	30.0	10696.3	10646.3	7220.0	1198.0	1048.2	167.5	16.7	3208.9	6417.8
TOTALS			19008.0		65253	65153	44046	7308	6395	1022	33	19008	36788

PAVEMENT MARKING SCHEDULE			LENGTH	PAINT PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	GROOVING FOR RECESSED PAVEMENT MARKING 5"	TEMPORARY PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	TEMPORARY PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	GROOVING FOR RECESSED PAVEMENT MARKING 9"	TEMPORARY PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	GROOVING FOR RECESSED PAVEMENT MARKING 13"	TEMPORARY PAVEMENT MARKING - LINE 12"	SHORT-TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKERS
STATION	TO	STATION	FOOT	FOOT	SQ FT	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	EACH
149+30.45	TO	165+32.00	1602	3603	-	-	-	-	-	3603	-	-	-	-	-	-	-	-	-	480	53.3	21
165+32.00	TO	170+41.59	510	1556	-	-	-	160	-	1716	-	-	-	-	-	-	-	-	-	152	16.9	7
170+51.91	TO	188+41.23	1789	0	93.6	93.6	93.6	9637	9957	9637	300	300	300	280	280	280	505	505	505	1024	113.7	110
188+41.23	TO	193+91.00	550	1687	-	-	-	160	-	1847	-	-	-	-	-	-	-	-	-	164	18.3	7
193+91.00	TO	307+39.87	11349	25087	-	-	-	-	-	25087	-	-	-	-	-	-	-	-	-	3404	378.3	142
307+44.14	TO	339+53.04	3209	7160	-	-	-	-	-	7160	-	-	-	-	-	-	-	-	-	962	106.9	41
WHITE TOTALS			-	33929	93.6	-	-	3416	-	-	300	-	-	280	-	-	96	-	-	-	-	-
YELLOW TOTALS			-	5164	-	-	-	6541	-	-	-	-	-	-	-	-	409	-	-	-	-	-
TOTALS			-	39093	94	94	94	9957	9957	49050	300	300	300	280	280	280	505	505	505	6187	687	328

REV. - MS

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USER NAME = Jessica.Hille	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.P. RTE. 327	SECTION (4-2)RS-4, (5-2)RS-1	COUNTY RICHLAND	TOTAL SHEETS 23	SHEET NO. 6		
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			SCALE:	SHEET 1	OF 2	SHEETS	STA.	TO STA.	CONTRACT NO. 74547
PLOT DATE = 12/21/2022	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						

PATCHING SCHEDULE CLASS D 14" DEPTH

PATCH NUMBER	STATION	DIRECTION	LANE	LENGTH (FT)	WIDTH (FT)	TYPE II (SQ YD)	TYPE III (SQ YD)	TYPE IV (SQ YD)
1	150+11	EB	DL	8	12	10.7	0.0	0.0
2	150+11	WB	DL	8	12	10.7	0.0	0.0
3	151+10	EB	DL	5	12	8.0	0.0	0.0
4	151+10	WB	DL	5	12	8.0	0.0	0.0
5	151+79	EB	DL	5	12	8.0	0.0	0.0
6	151+79	WB	DL	5	12	8.0	0.0	0.0
7	152+73	EB	DL	5	12	8.0	0.0	0.0
8	152+73	WB	DL	5	12	8.0	0.0	0.0
9	153+10	EB	DL	9	12	12.0	0.0	0.0
10	153+10	WB	DL	9	12	12.0	0.0	0.0
11	153+58	EB	DL	8	12	10.7	0.0	0.0
12	153+58	WB	DL	8	12	10.7	0.0	0.0
13	154+07	EB	DL	5	12	8.0	0.0	0.0
14	154+07	WB	DL	5	12	8.0	0.0	0.0
15	157+78	EB	DL	5	12	8.0	0.0	0.0
16	157+78	WB	DL	5	12	8.0	0.0	0.0
17	158+09	WB	DL	5	12	8.0	0.0	0.0
18	159+06	EB	DL	12	12	0.0	16.0	0.0
19	159+06	WB	DL	12	12	0.0	16.0	0.0
20	160+05	WB	DL	11	12	14.7	0.0	0.0
21	161+04	WB	DL	7	12	9.3	0.0	0.0
22	167+24	EB	DL	5	12	8.0	0.0	0.0
23	167+24	WB	DL	5	12	8.0	0.0	0.0
24	167+66	EB	DL	8	12	10.7	0.0	0.0
25	167+66	WB	DL	8	12	10.7	0.0	0.0
26	168+67	EB	DL	8	12	10.7	0.0	0.0
27	168+67	WB	DL	8	12	10.7	0.0	0.0
28	170+70	EB	DL	8	12	10.7	0.0	0.0
29	170+70	WB	DL	8	12	10.7	0.0	0.0
30	188+69	EB	DL	5	12	8.0	0.0	0.0
31	189+64	EB	DL	5	12	8.0	0.0	0.0
32	191+47	WB	DL	5	12	8.0	0.0	0.0
33	196+93	EB	DL	25	12	0.0	0.0	33.3
34	201+77	EB	DL	16	12	0.0	21.3	0.0
35	201+77	WB	DL	16	12	0.0	21.3	0.0
36	202+77	EB	DL	13	12	0.0	17.3	0.0
37	203+77	EB	DL	15	12	0.0	20.0	0.0
38	203+46	EB	DL	5	12	8.0	0.0	0.0
39	205+77	EB	DL	9	12	12.0	0.0	0.0
40	205+77	WB	DL	9	12	12.0	0.0	0.0
41	207+79	EB	DL	10	12	13.3	0.0	0.0
42	207+79	WB	DL	10	12	13.3	0.0	0.0
43	230+76	EB	DL	10	12	13.3	0.0	0.0

PATCH NUMBER	STATION	DIRECTION	LANE	LENGTH (FT)	WIDTH (FT)	TYPE II (SQ YD)	TYPE III (SQ YD)	TYPE IV (SQ YD)
44	230+76	WB	DL	10	12	13.3	0.0	0.0
45	231+74	EB	DL	18	12	0.0	24.0	0.0
46	232+76	EB	DL	16	12	0.0	21.3	0.0
47	232+76	WB	DL	16	12	0.0	21.3	0.0
48	235+78	EB	DL	10	12	13.3	0.0	0.0
49	235+78	WB	DL	10	12	13.3	0.0	0.0
50	247+82	EB	DL	8	12	10.7	0.0	0.0
51	250+91	EB	DL	6	12	8.0	0.0	0.0
52	250+91	WB	DL	6	12	8.0	0.0	0.0
53	262+85	EB	DL	10	12	13.3	0.0	0.0
54	262+85	WB	DL	10	12	13.3	0.0	0.0
55	271+85	WB	DL	11	12	14.7	0.0	0.0
56	272+89	EB	DL	7	12	9.3	0.0	0.0
57	273+88	EB	DL	8	12	10.7	0.0	0.0
58	273+88	WB	DL	8	12	10.7	0.0	0.0
59	274+88	EB	DL	8	12	10.7	0.0	0.0
60	274+88	WB	DL	8	12	10.7	0.0	0.0
61	275+90	EB	DL	8	12	10.7	0.0	0.0
62	275+90	WB	DL	8	12	10.7	0.0	0.0
63	276+88	WB	DL	8	12	10.7	0.0	0.0
64	280+90	EB	DL	8	12	10.7	0.0	0.0
65	280+90	WB	DL	8	12	10.7	0.0	0.0
66	287+97	WB	DL	6	12	8.0	0.0	0.0
67	288+92	EB	DL	8	12	10.7	0.0	0.0
68	289+97	WB	DL	8	12	10.7	0.0	0.0
69	293+97	WB	DL	6	12	8.0	0.0	0.0
70	294+94	WB	DL	10	12	13.3	0.0	0.0
71	296+96	EB	DL	8	12	10.7	0.0	0.0
72	296+96	WB	DL	8	12	10.7	0.0	0.0
73	306+97	EB	DL	8	12	10.7	0.0	0.0
74	306+97	WB	DL	8	12	10.7	0.0	0.0
75	308+01	EB	DL	8	12	10.7	0.0	0.0
76	308+01	WB	DL	8	12	10.7	0.0	0.0
77	313+04	WB	DL	8	12	10.7	0.0	0.0
78	314+04	WB	DL	8	12	10.7	0.0	0.0
79	317+05	EB	DL	8	12	10.7	0.0	0.0
80	317+05	WB	DL	8	12	10.7	0.0	0.0
81	321+08	EB	DL	20	12	0.0	0.0	26.7
82	321+08	WB	DL	20	12	0.0	0.0	26.7
83	332+08	EB	DL	6	12	8.0	0.0	0.0
84	339+52	EB	DL	6	12	8.0	0.0	0.0
85	339+52	WB	DL	6	12	8.0	0.0	0.0
TOTALS						749.3 (SQ YD)	178.7 (SQ YD)	86.7 (SQ YD)

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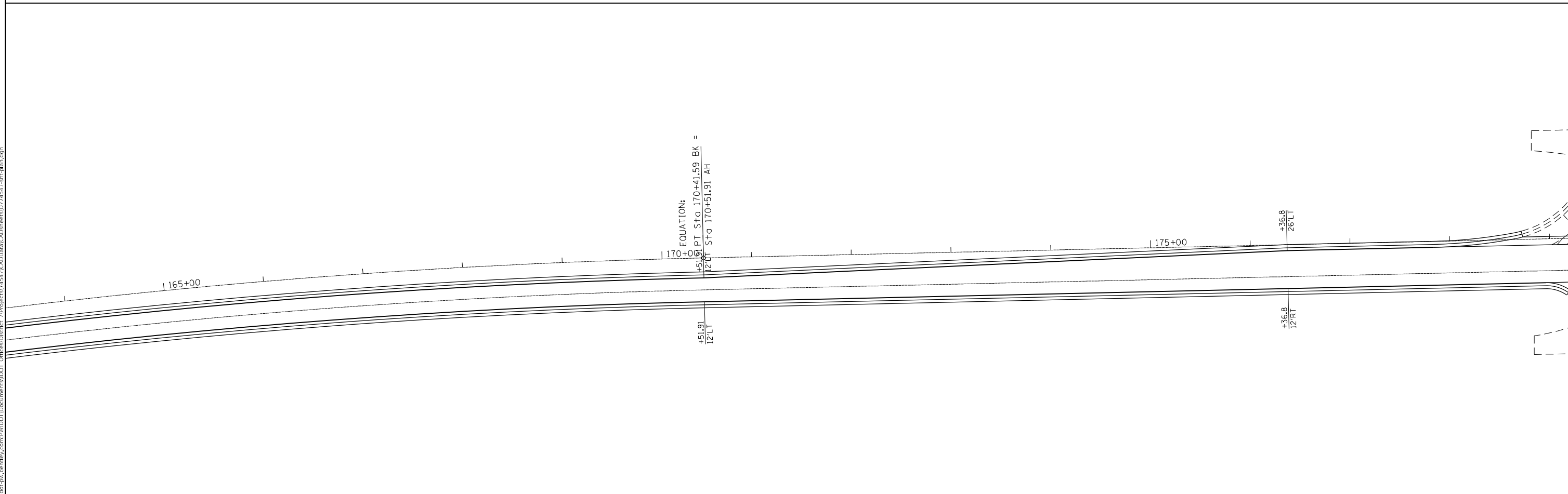
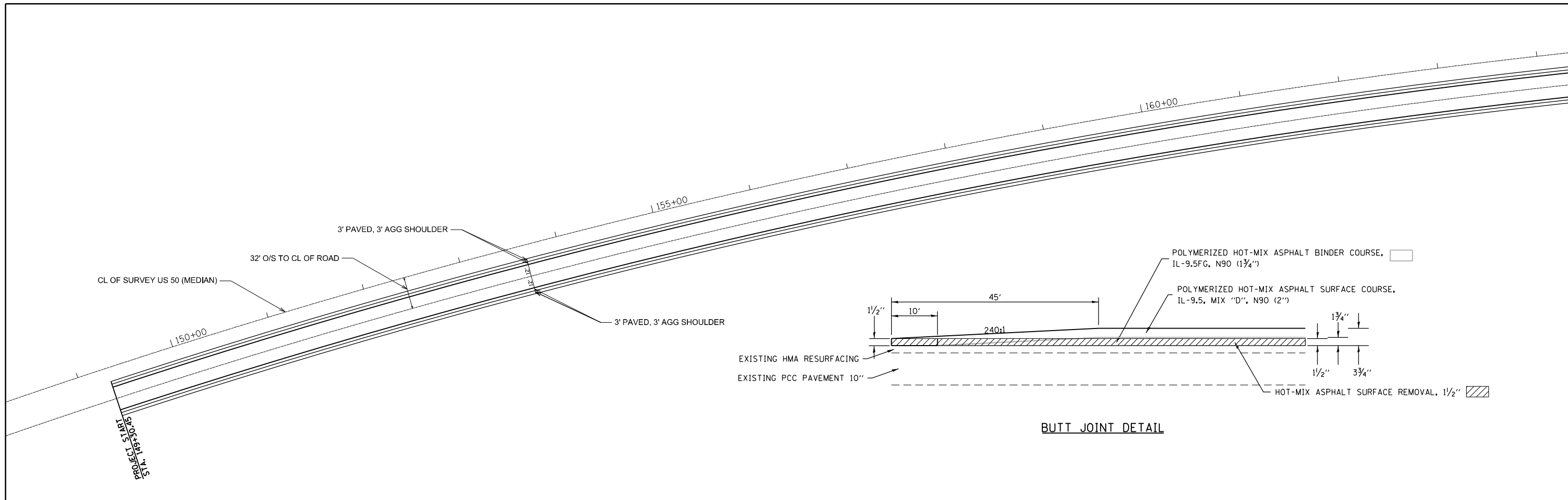
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PLOT DATE = 12/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF
QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	7
CONTRACT NO. 74547				
		ILLINOIS	FED. AID PROJECT	



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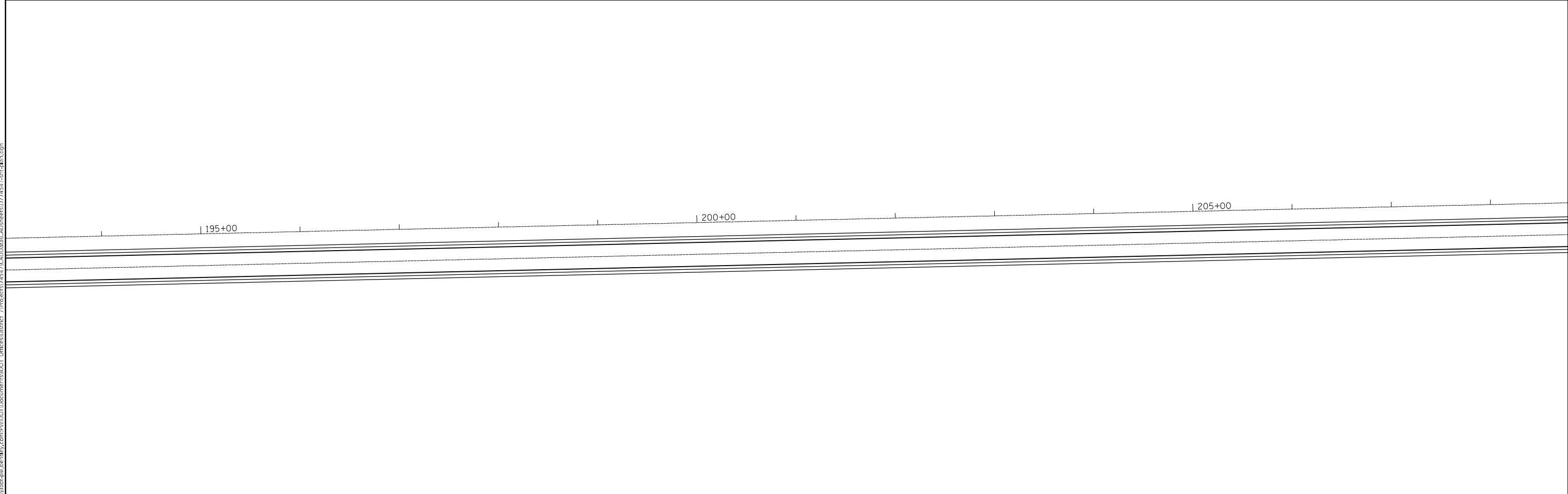
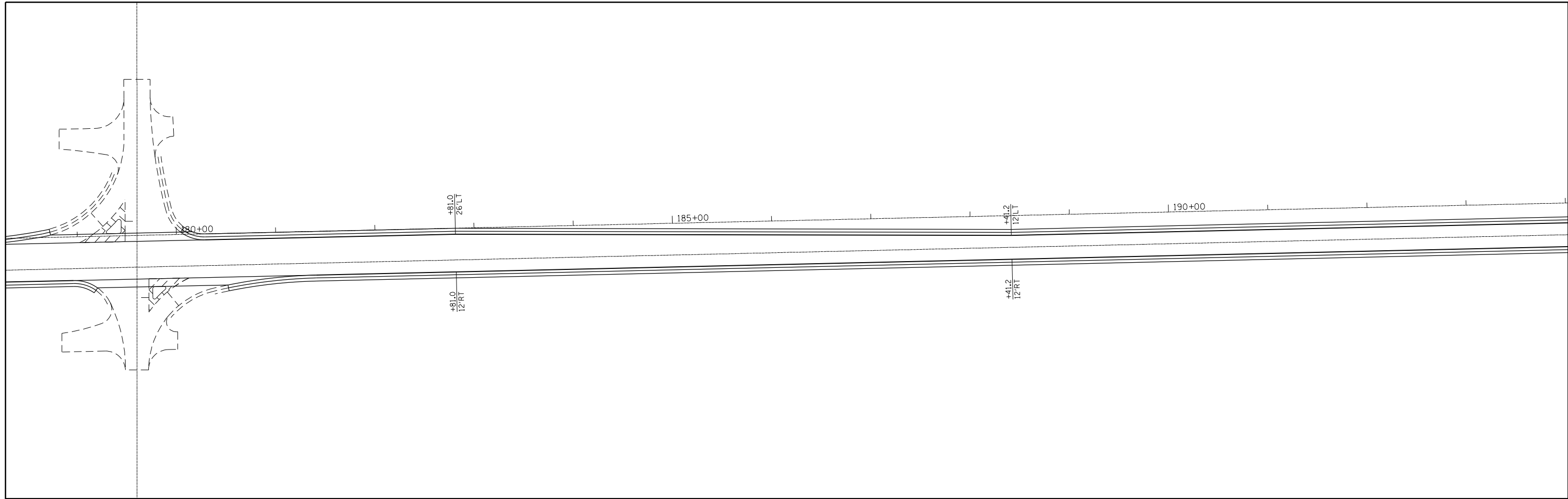
EQUATION:
 +51.91 PT Sta 170+41.59 BK =
 +36.8 STa 170+51.91 AH

USER NAME = Jessica.Hille	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET			
SCALE:	SHEET 1	OF 7 SHEETS	STA. 149+00 TO STA. 179+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	9
CONTRACT NO. 74547			ILLINOIS FED. AID PROJECT	



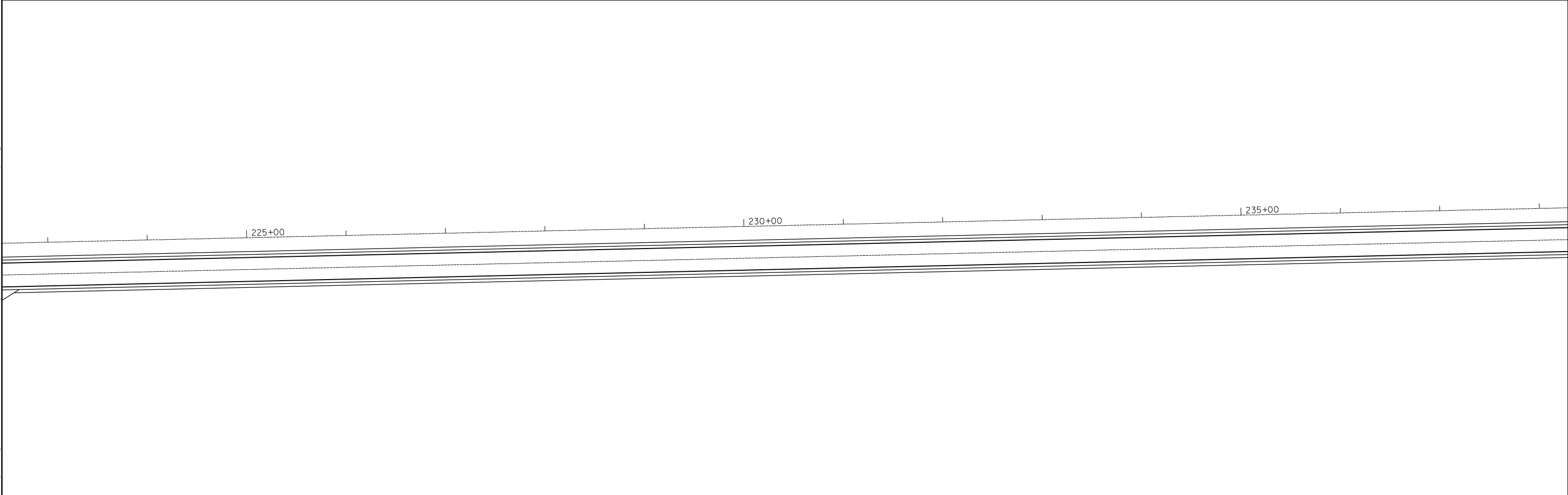
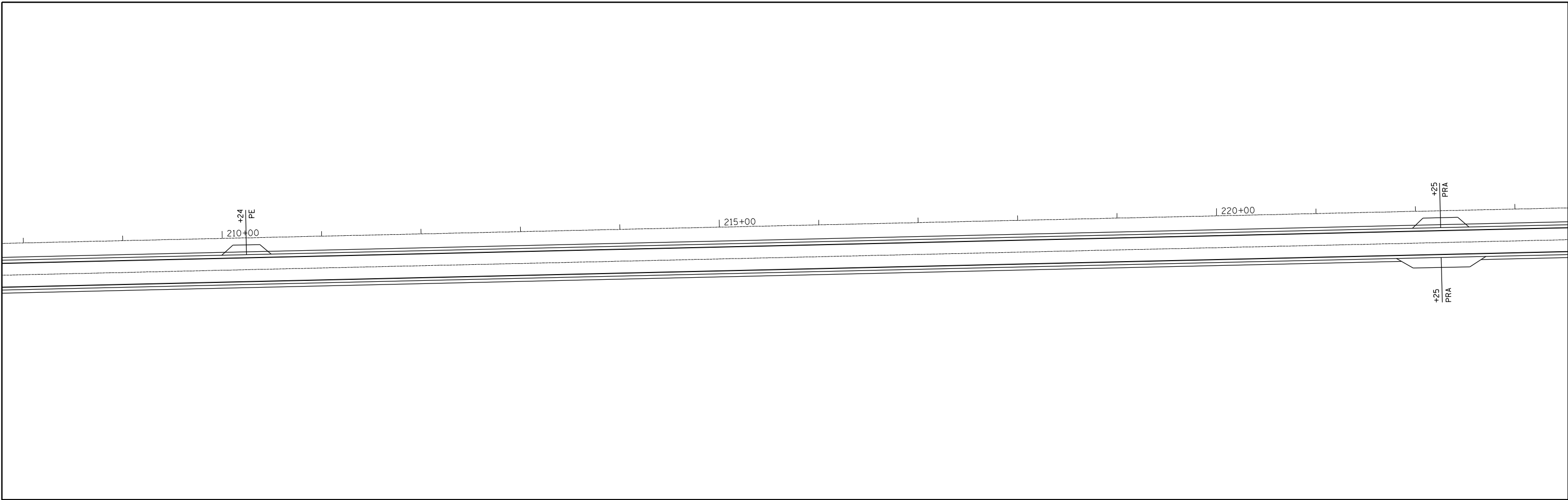
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET			
SCALE:	SHEET 2	OF 7	SHEETS
	STA. 179+00	TO STA. 208+00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	10
			CONTRACT NO. 74547	
		ILLINOIS	FED. AID PROJECT	



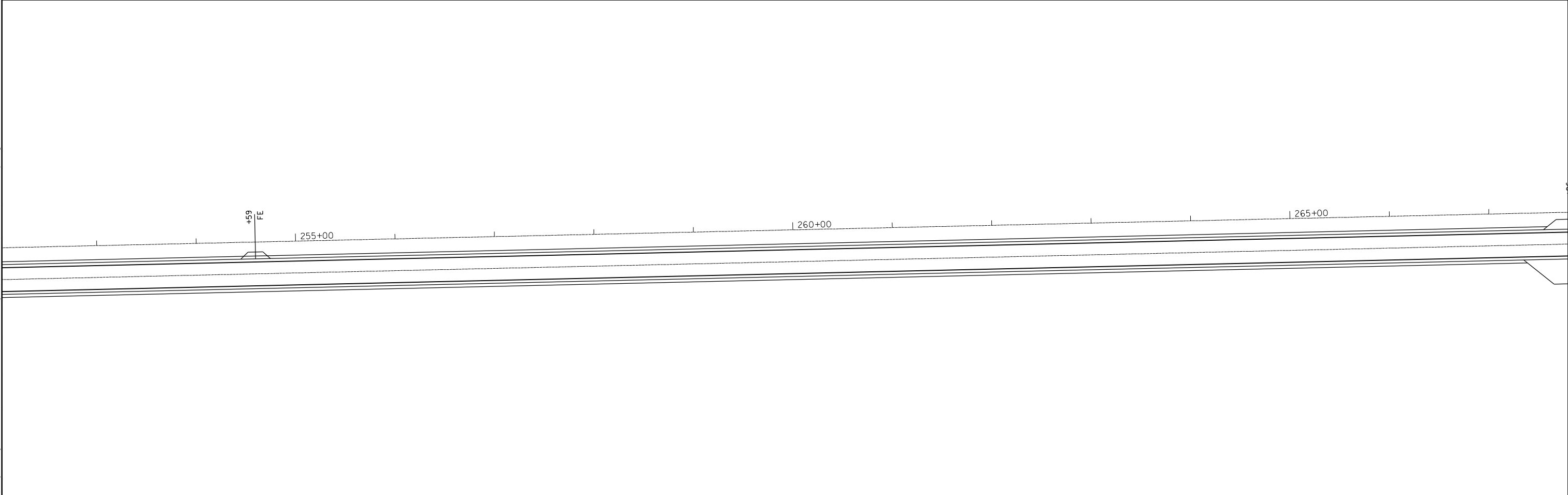
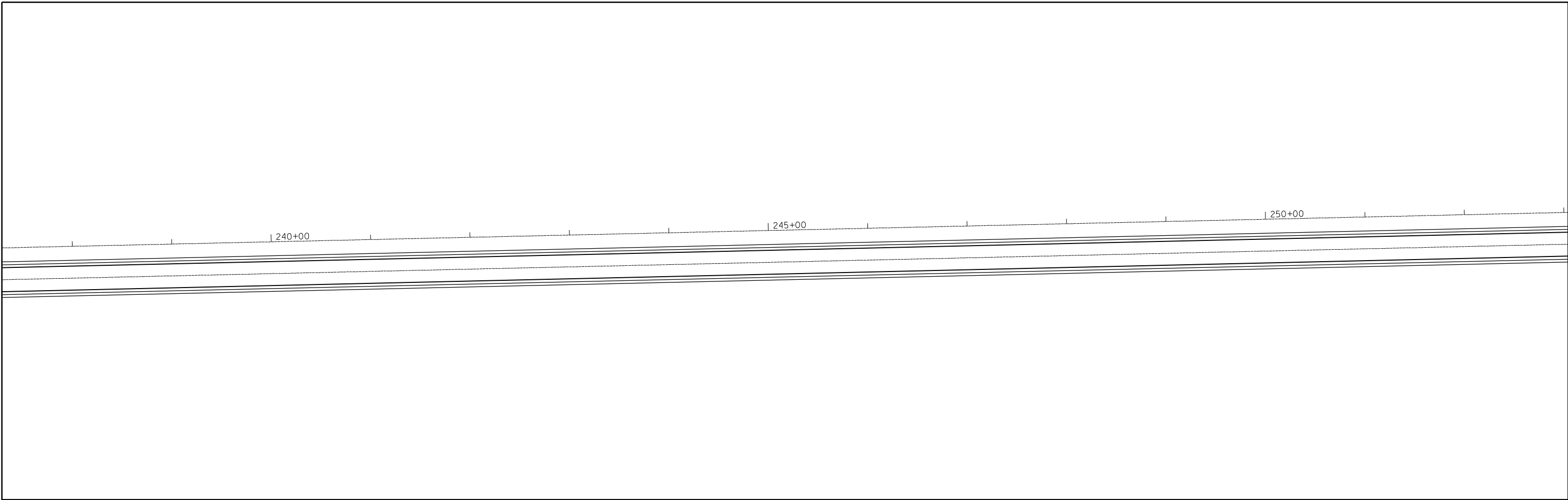
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PLOT DATE = 12/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
 SCALE: SHEET 3 OF 7 SHEETS STA. 208+00 TO STA. 238+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	11
CONTRACT NO. 74547			ILLINOIS FED. AID PROJECT	



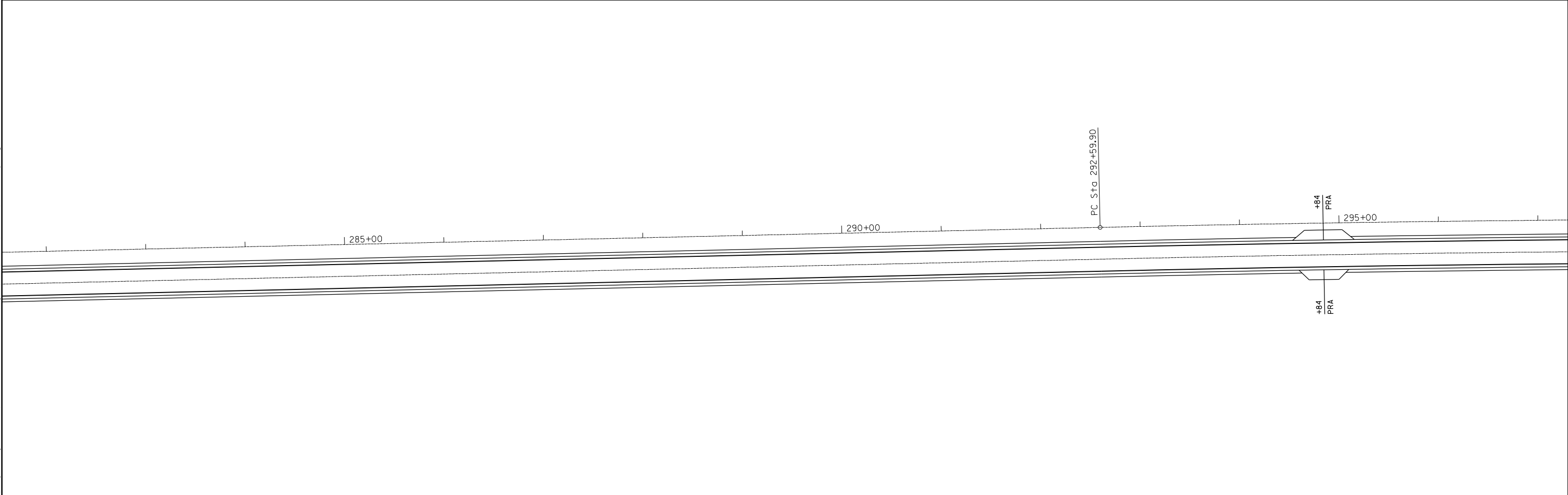
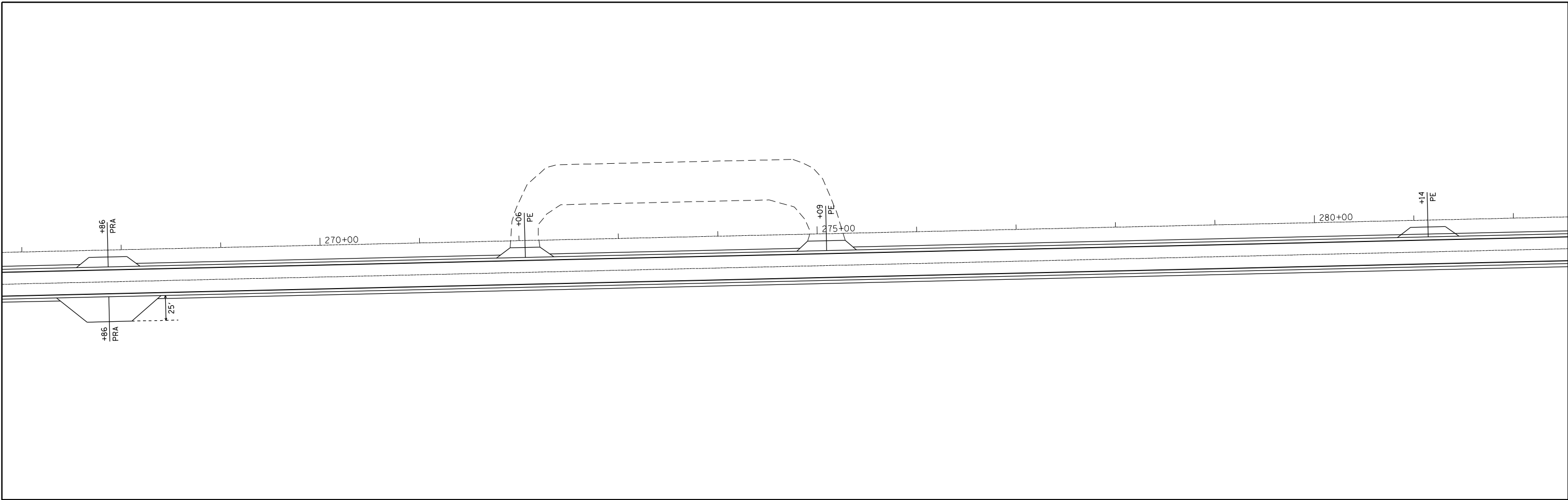
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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
 SCALE: SHEET 4 OF 7 SHEETS STA. 238+00 TO STA. 267+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	12
CONTRACT NO. 74547				
ILLINOIS FED. AID PROJECT				



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PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET			
SCALE:	SHEET 5	OF 7 SHEETS	STA. 267+00 TO STA. 297+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	13
CONTRACT NO. 74547			ILLINOIS FED. AID PROJECT	

R = 54,090.00
 T = 740.10'
 L = 1,479.97'
 E = 8.03'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 292+59.90
 P.T. STA. = 307+39.87

PI Sta 300+00.00

EQUATION:
 PT Sta 307+39.87 BK =
 STa 307+44.14 AH

300+00

305+00

310+00

+25
PE

315+00

320+00

325+00

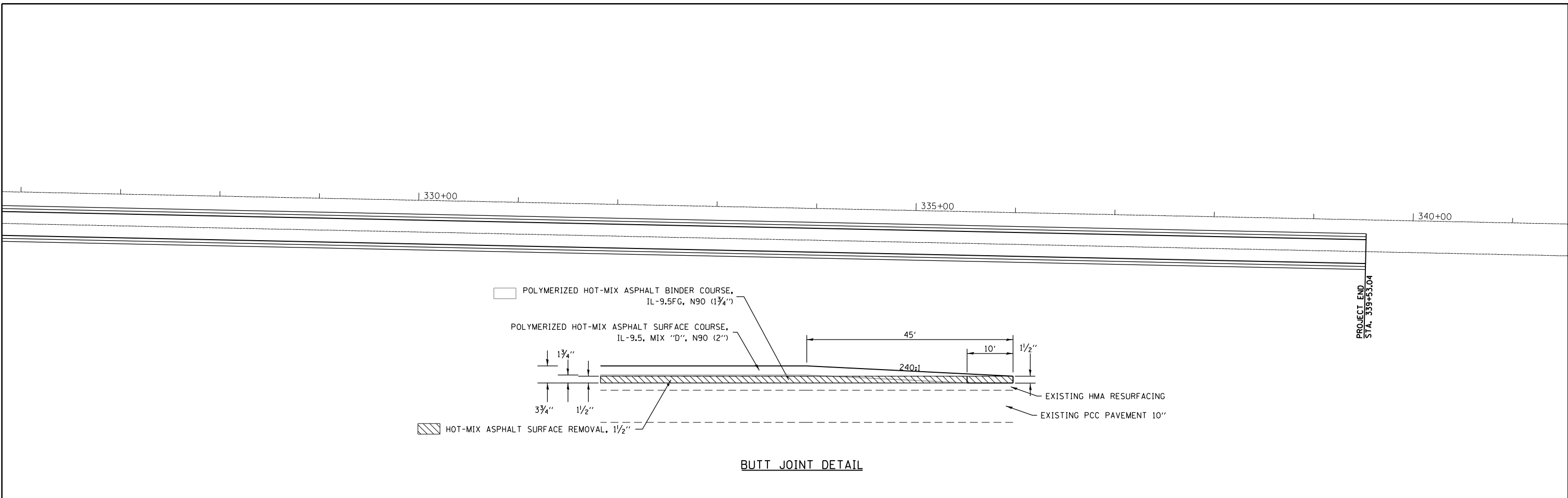
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET			
SCALE:	SHEET 6	OF 7 SHEETS	STA. 297+00 TO STA. 326+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	14
CONTRACT NO. 74547			ILLINOIS FED. AID PROJECT	



BUTT JOINT DETAIL

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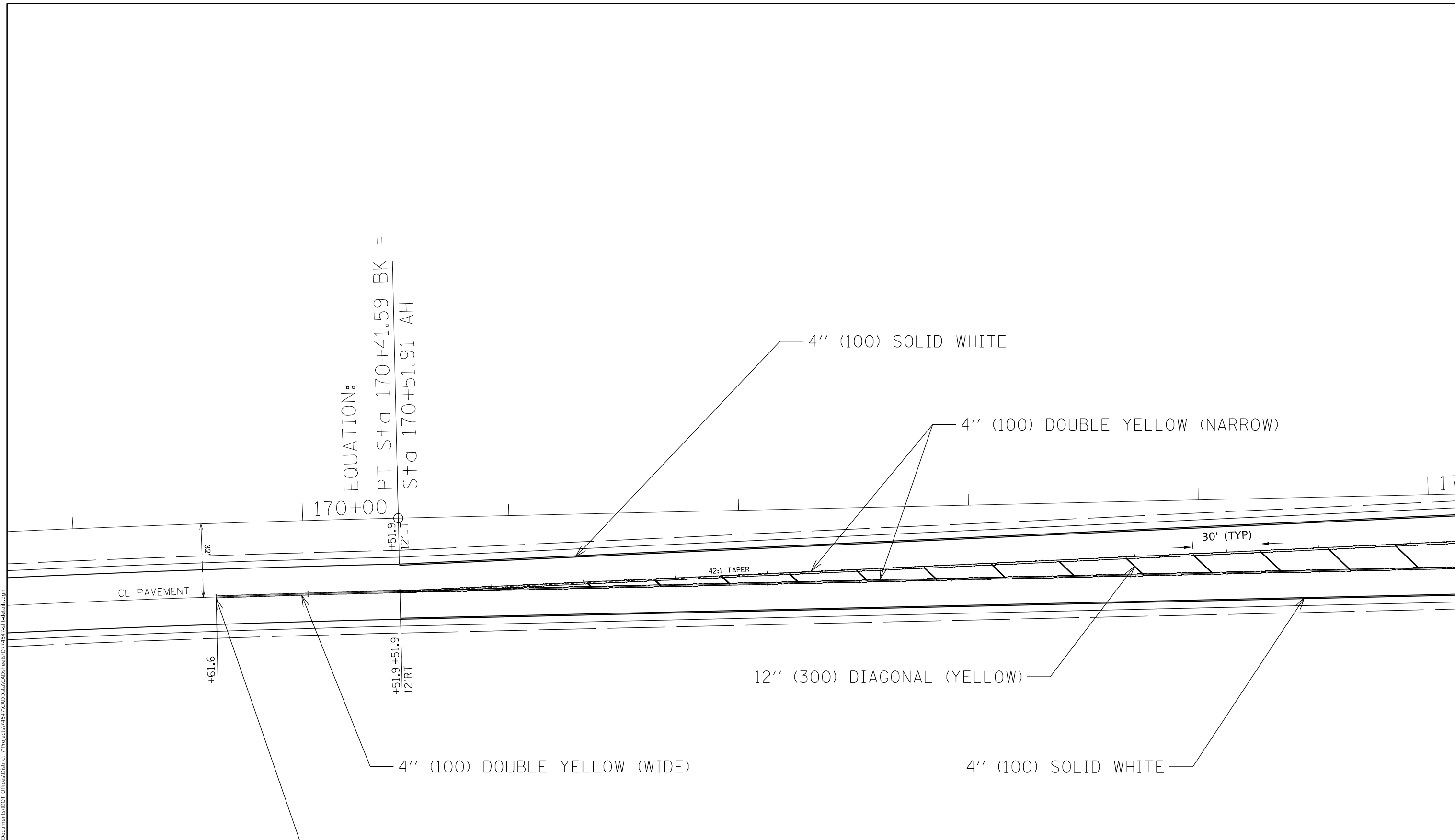
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PLOT DATE = 12/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET		SCALE:	SHEET 7	OF 7	SHEETS	STA. 336+00	TO STA. 341+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	15
CONTRACT NO. 74547				
ILLINOIS FED. AID PROJECT				

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BEGIN GROOVING/THERMO

*ALL OFFSETS MEASURED FROM ORIGINAL 24' PAVEMENT CENTER LINE

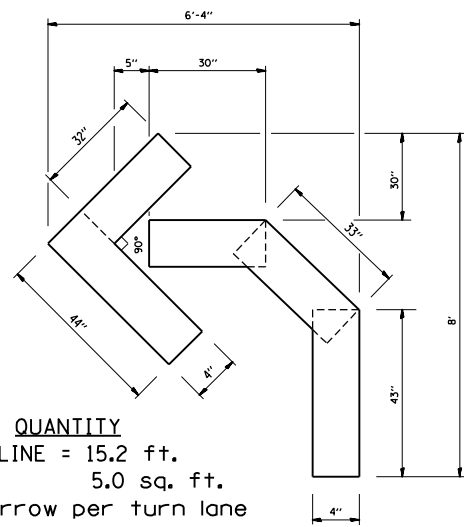
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PLOT DATE = 1/18/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING
 DETAIL**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	16
CONTRACT NO. 74547			ILLINOIS FED. AID PROJECT	



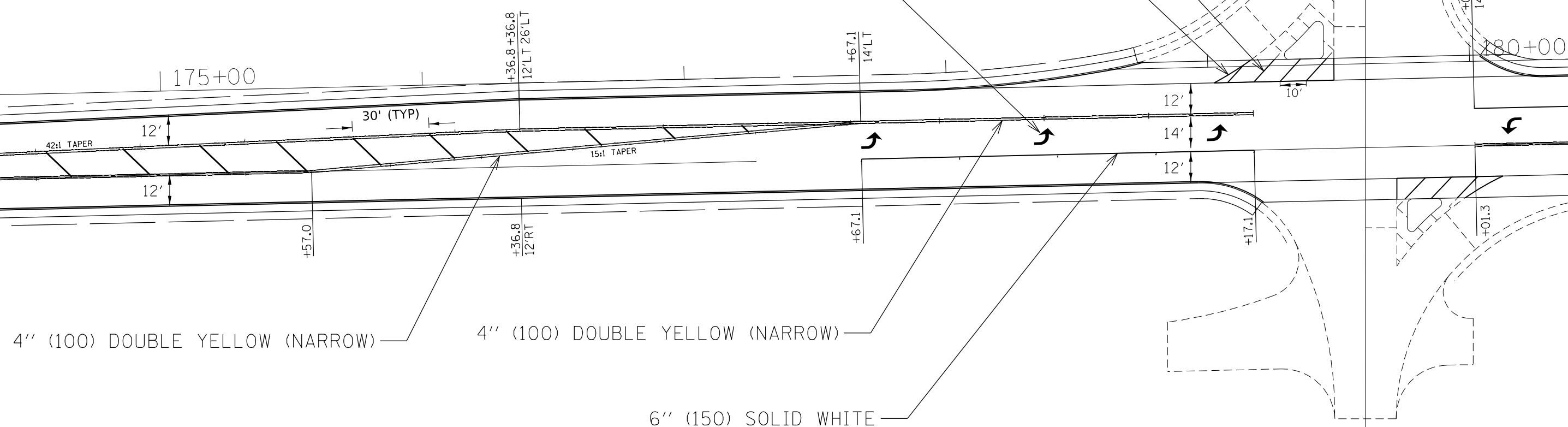
QUANTITY
 4" LINE = 15.2 ft.
 5.0 sq. ft.
 One arrow per turn lane

Short Term Pavement Marking

12" (300) DIAGONAL WHITE

8" (200) SOLID WHITE (PERIMETER)

LETTERS AND SYMBOLS WHITE



4" (100) DOUBLE YELLOW (NARROW)

4" (100) DOUBLE YELLOW (NARROW)

6" (150) SOLID WHITE

* ALL OFFSETS MEASURED FROM ORIGINAL 24' PAVEMENT CENTER LINE

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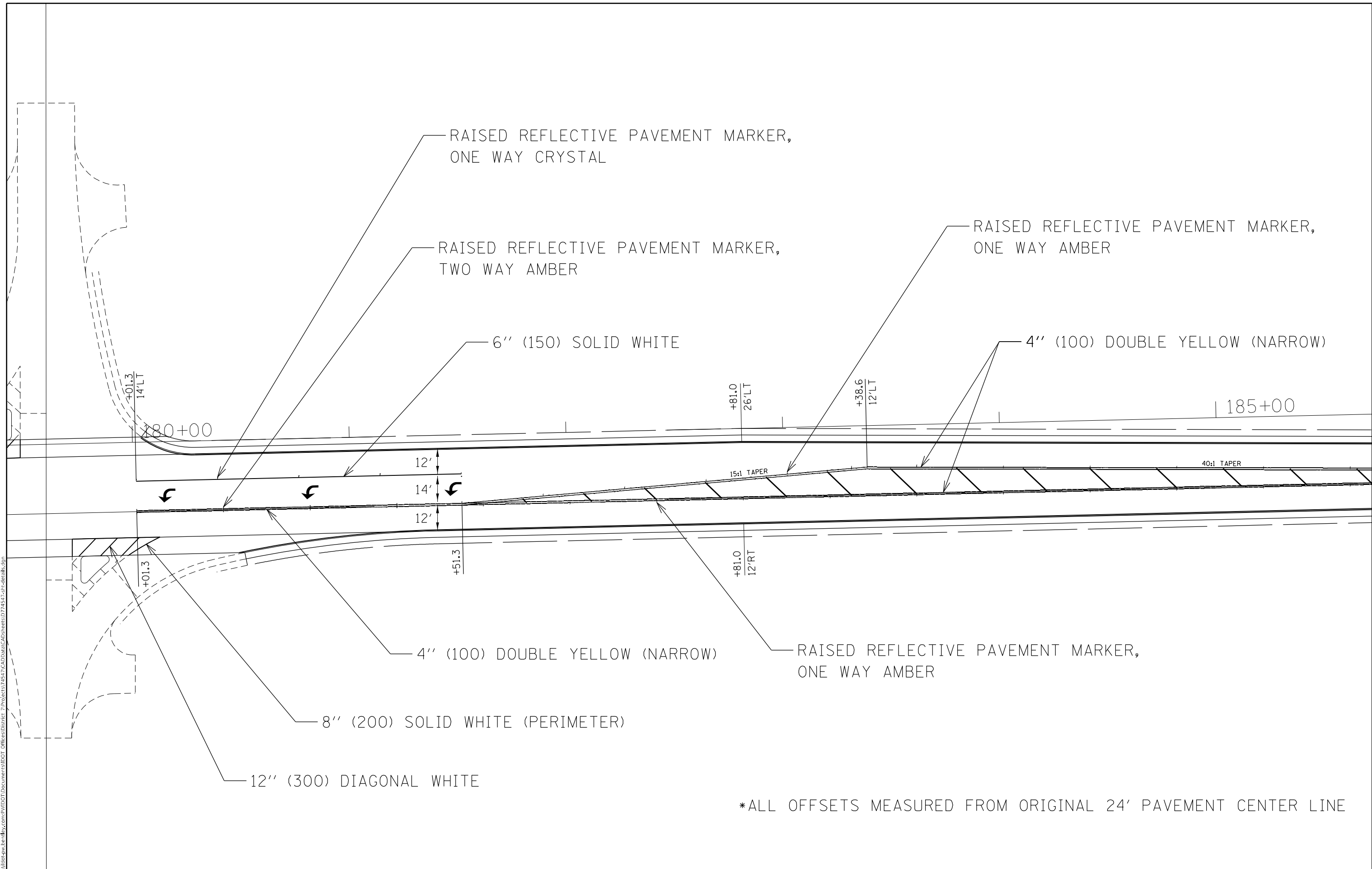
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DRAWN -	REVISOR -	
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PLOT DATE = 1/18/2023	DATE -	REVISOR -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING
 DETAIL**

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	17
CONTRACT NO. 74547				
ILLINOIS FED. AID PROJECT				



*ALL OFFSETS MEASURED FROM ORIGINAL 24' PAVEMENT CENTER LINE

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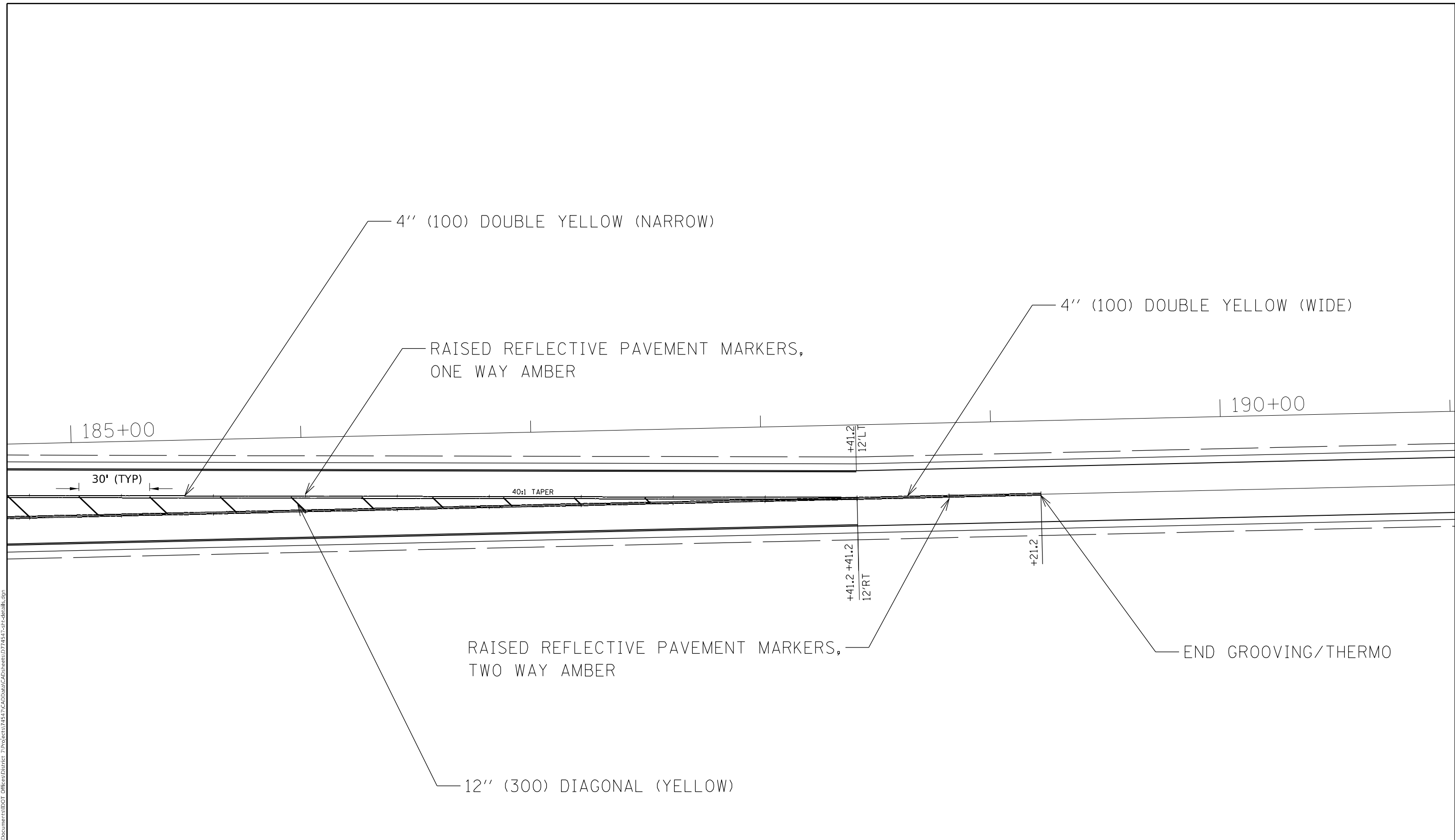
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PLOT DATE = 1/18/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
DETAIL

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	RICHLAND	23	18
CONTRACT NO. 74547			ILLINOIS FED. AID PROJECT	



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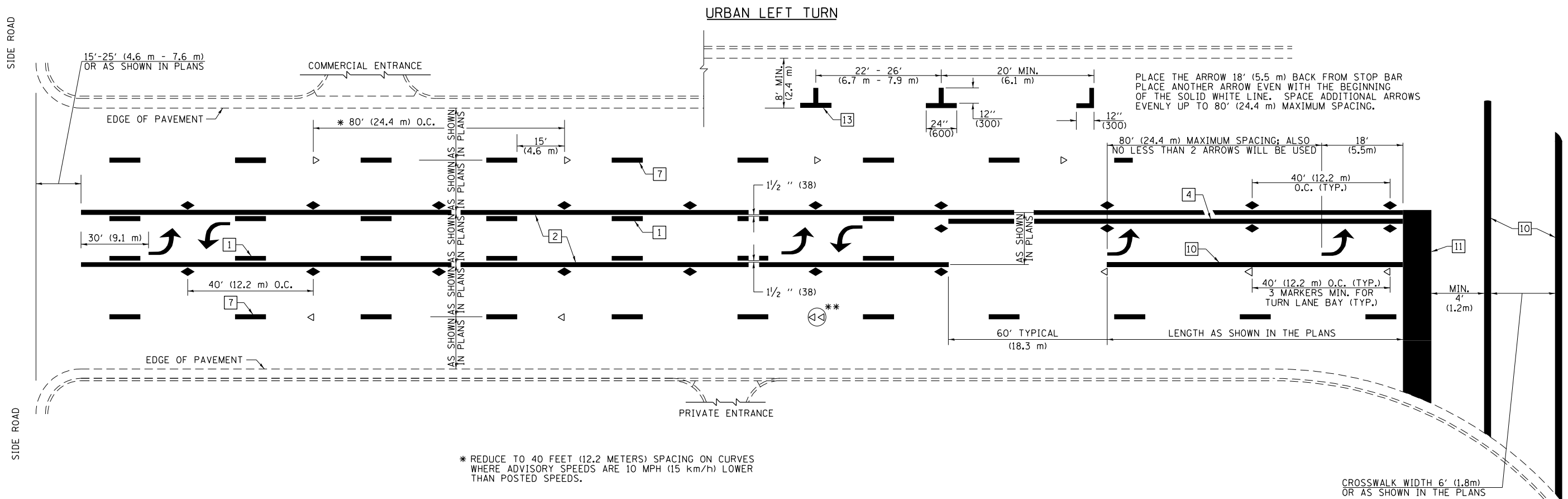
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PLOT DATE = 1/18/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
DETAIL

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

F.A.P. RTE. 327	SECTION (4-2)RS-4, (5-2)RS-1	COUNTY RICHLAND	TOTAL SHEETS 23	SHEET NO. 19
CONTRACT NO. 74547			ILLINOIS FED. AID PROJECT	



* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

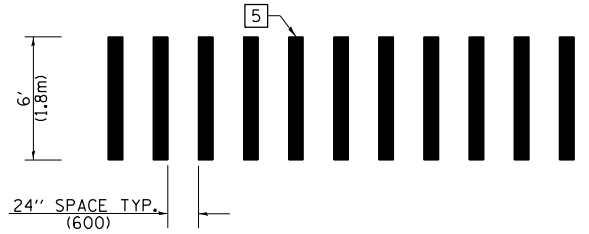
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

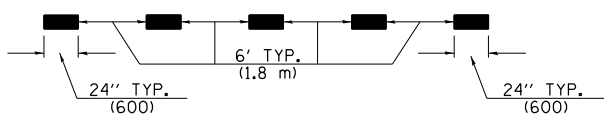
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

GENERAL NOTES

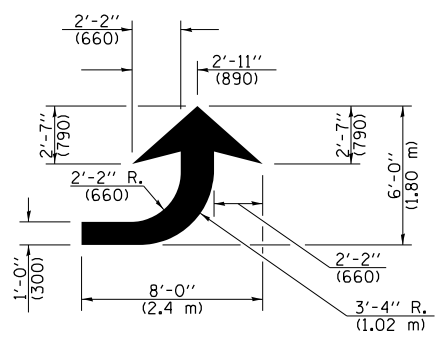
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE SECTION 780 FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.
6. ALL WHITE SKIP-DASH LINES SHALL BE 6" IN WIDTH.



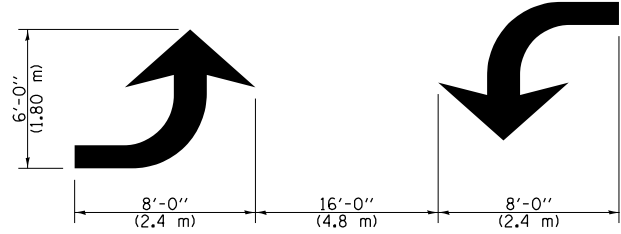
**CROSSWALK DETAIL
(DECATUR CITY LIMITS ONLY)**



LANE LINE EXTENSIONS



LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



**TYPICAL DOUBLE
TURN ARROWS (WHITE)**

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

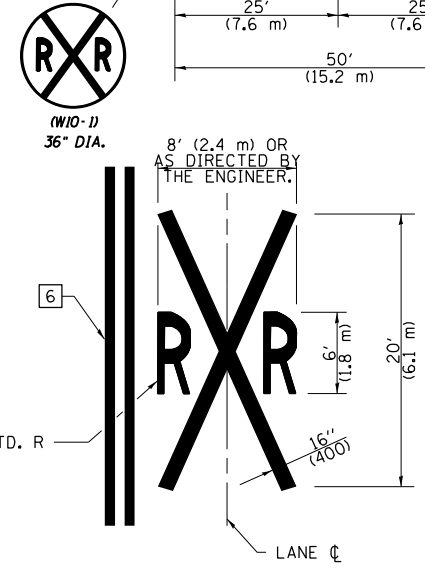
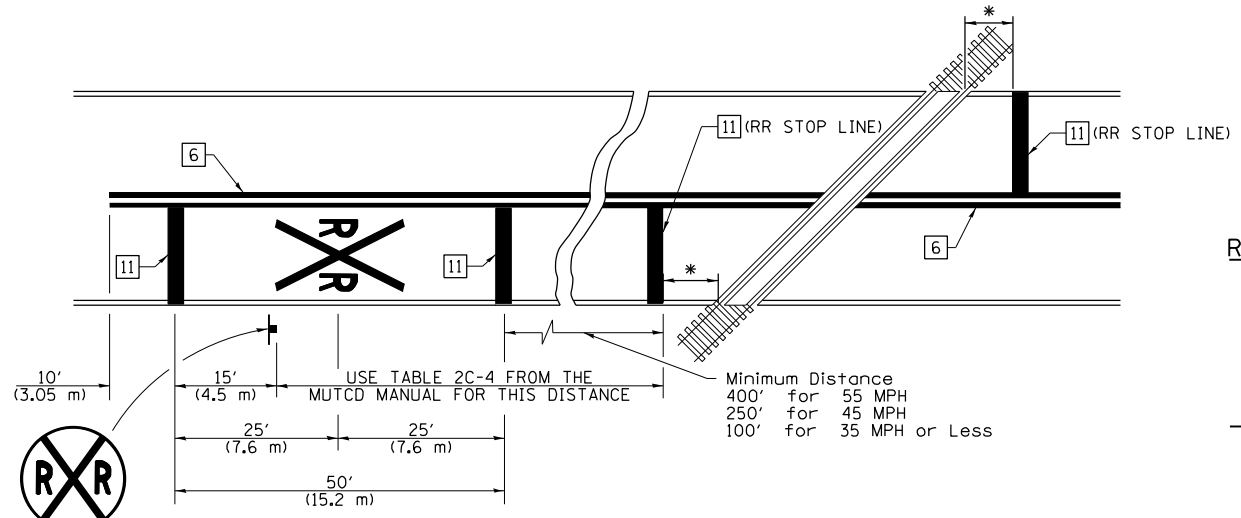
FILE NAME =	USER NAME = Jessica.Hille	DESIGNED -	REVISED - NAS 06/22	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\idot-pw\bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74547\CADD\Drawings\74547-shd-Detail.dgn	CHECKED -	REVISED -	327			(4-2)RS-4, (5-2)RS-1	Richland	23	21	
PLOT SCALE = 100.0000' / 1"	DATE -	REVISED -	CONTRACT NO. 74547							
PLOT DATE = 12/21/2022	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
 - 2 4" (100) SOLID (YELLOW)
 - 3 12" (300) DIAGONAL (YELLOW)
 - 4 4" (100) DOUBLE YELLOW (NARROW)
 - 5 12" (300) SOLID WHITE
 - 6 4" (100) DOUBLE YELLOW (WIDE)
 - 7 6" (150) SKIP-DASH (WHITE)
 - 8 4" (100) SOLID (WHITE)
 - 9 12" (300) DIAGONAL (WHITE)
 - 10 6" (150) SOLID (WHITE)
 - 11 24" (600) STOP BAR (WHITE)
 - 12 8" (200) SOLID (WHITE)
 - 13 4" (100) PARKING WHITE
-

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



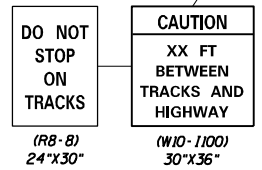
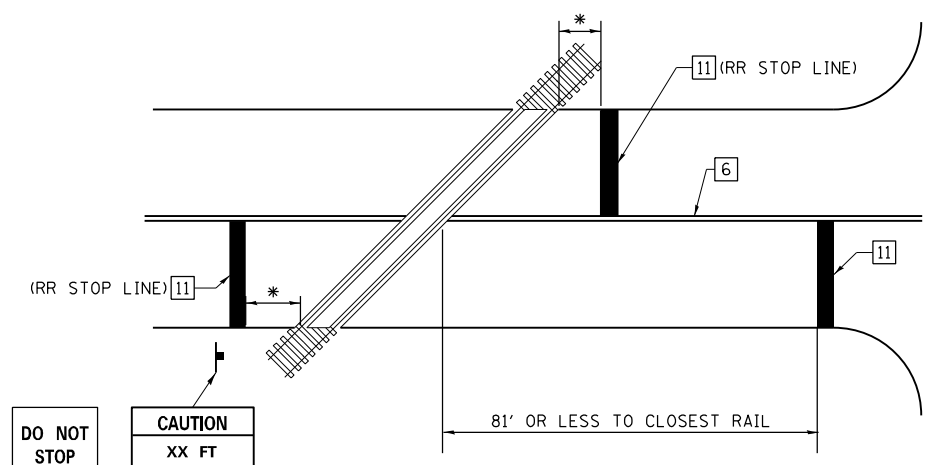
NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

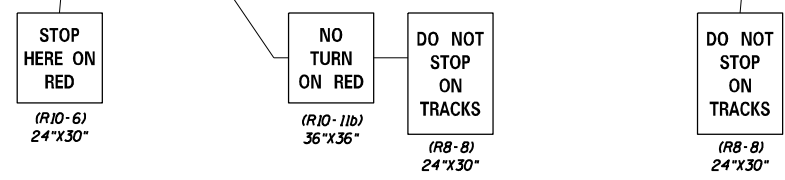
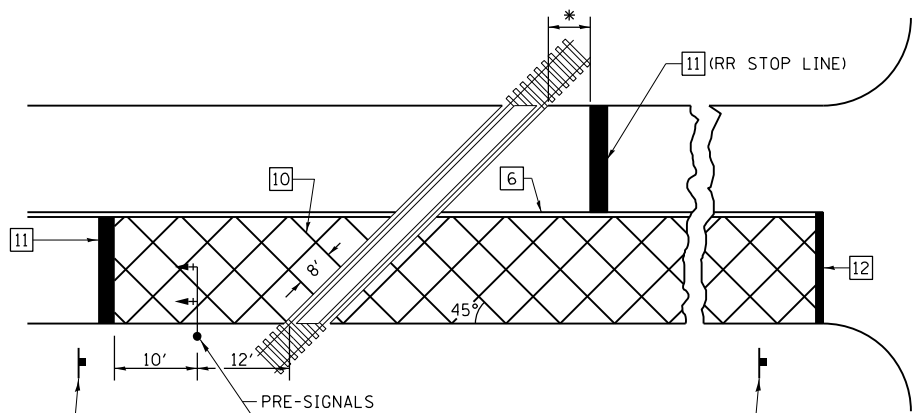
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RRR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

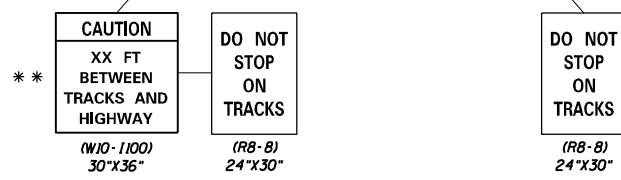
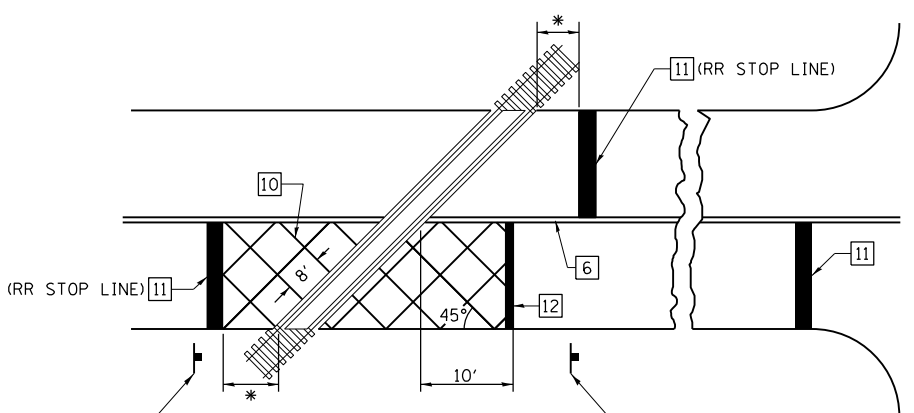
RAILROAD CROSSING WITH NON-SIGNALIZED INTERSECTION



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS

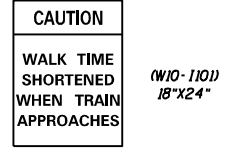


RAILROAD CROSSING WITH INTERCONNECT ONLY



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE PRE-SIGNALS ARE USED.
- WHEN PEDESTRIAN SIGNALS ARE PRESENT WITH INTERCONNECTED SIGNALS, WARNING SIGN W10-1101 (18"X24") SHALL BE PLACED NEAR EACH PEDESTRIAN SIGNAL HEAD. COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL NOT BE UTILIZED ALONG WITH INTERCONNECTED SIGNALS.
- PLEASE REFER TO THE IDOT BUREAU OF OPERATION MEMO OPS T-06 DATED DECEMBER 1, 2020 FOR ADDITIONAL INFORMATION.



* 15' FROM NEAR RAIL OR 8' FROM AND PARALLEL TO GATE IF PRESENT

** WARNING SIGN W10-1100 SHALL BE USED AS AN INTERIM MEASURE AT INTERCONNECTED SIGNAL LOCATIONS WHERE PRE-SIGNALS ARE TO BE INSTALLED IN THE FUTURE. THIS SIGN SHALL BE REMOVED WHEN THE PRE-SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS ARE EXTENDED TO THE INTERSECTION.

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 78000001

FILE NAME =	USER NAME = Jessica.Hille	DESIGNED -	REVISED - NAS 06/22
pw:\idot-pw\bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74547\CADD\Drawings\Drawings\74547-shd-Details\1.dgn		CHECKED -	REVISED -
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -
PLOT DATE = 12/21/2022			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(4-2)RS-4, (5-2)RS-1	Richland	23	23
CONTRACT NO. 74547				
ILLINOIS FED. AID PROJECT				