

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323/323A	1139,140RS-4	VARIOUS	35	1
		ILLINOIS	CONTRACT NO. 74959	

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
ADT = 4262 (2019)

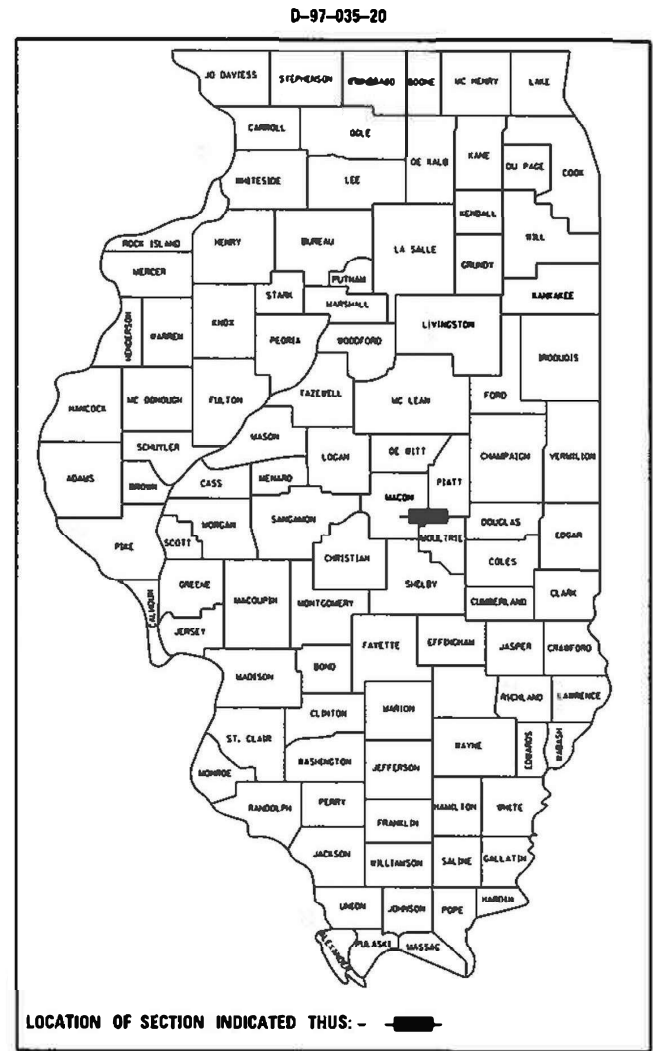
# PROPOSED HIGHWAY PLANS

F.A.P. 323 /323A (US 36)  
SECTION (139,140)RS-4  
PROJECT NHPP-UMIP(683)  
STANDARD OVERLAY  
MACON & MOULTRIE COUNTY

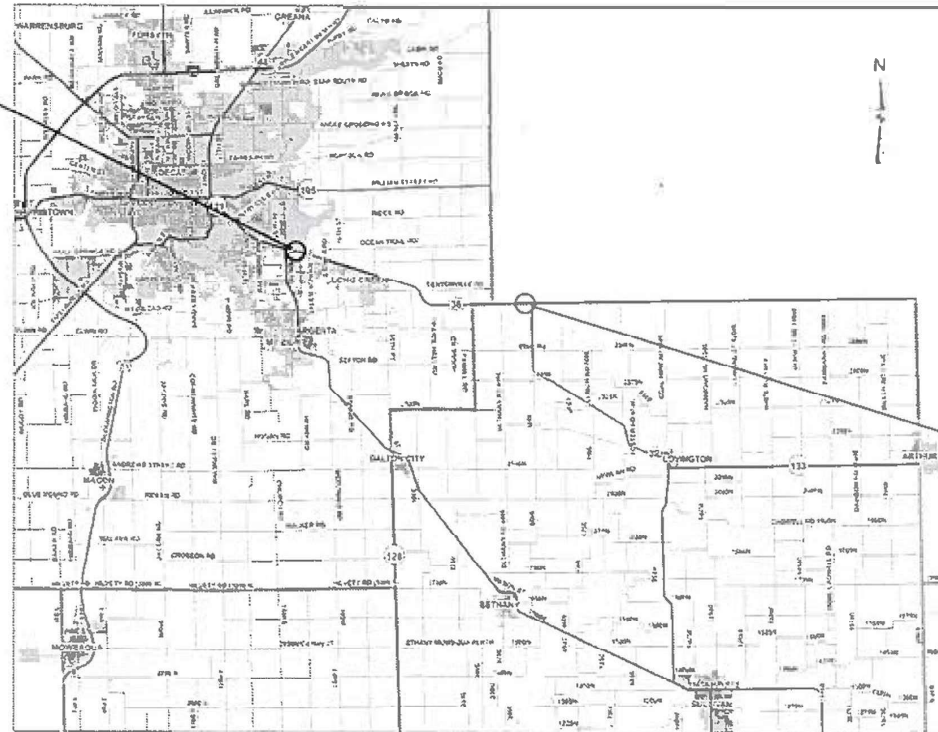
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**STATION EQUATIONS**

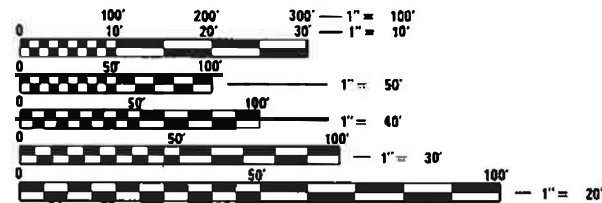
STA. 199 + 58.23 (BK) = STA. 199 + 67.10 (AH)  
STA. 225 + 03.04 (BK) = STA. 224 + 82.78 (AH)  
STA. 400 + 09.03 (BK) = STA. 409 + 39.58 (AH)  
STA. 513 + 86.00 (BK) = STA. 0 + 00.00 (AH)



SECTION (139,140)RS-4 BEGINS  
STATION 127+51



SECTION (139,140)RS-4 ENDS  
STATION 61+48



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 EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER MARK DAUGHERTY  
PROJECT MANAGER DALTON LANE  
PHONE NUMBER (217)-342-8241  
CONTRACT NO. 74959

GROSS LENGTH = 43,863 FT. = 8.307 MILE  
NET LENGTH = 43,863 FT. = 8.307 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 24 20 22  
Jeffrey P. Myrland  
REGIONAL ENGINEER

May 13, 2022  
SEA, ETC  
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2022  
Stephen M. Smith  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

# INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, & GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-10	TYPICAL SECTIONS
11-13	SCHEDULE OF QUANTITIES
14-28	PLAN SHEETS
29	BUTT JOINT & TRANSITION DETAILS
30	RURAL ENTRANCE DETAILS
31-34	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (DISTRICT 7 DETAIL 78000001)
35	SURVERY MARKER VAULT (DISTRICT 7 DETAIL Z0070202)

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 35:

STD. NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND FOOT
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
630001-12	STEEL PLATE BEAM GUARDRAIL
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
642006-01	SHOULDER RUMBLE STRIPS, 8 IN.
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD 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
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS

## GENERAL NOTES

THIS PROJECT IS LOCATED ON US 36 IN MACON AND MOULTRIE COUNTIES. THE WORK INCLUDED IN THIS PROJECT IS CLASS D PATCHING, SURFACE REMOVAL, HMA RESURFACING, HMA SHOULDERS, AGG. WEDGE SHOULDERS, PAVEMENT MARKING, GUARDRAIL, PIPE CULVERT REPLACEMENT AND OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

THE EXISTING PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. THE QUANTITY OF PATCHING SHOWN ON THE PLANS IS AN ESTIMATE. THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE REMOVAL AND REPLACEMENT OF THE PAVEMENT OVER THE PIPE CULVERTS WILL BE PAID FOR AS CLASS D PAVEMENT PATCHING.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR ALL HOT-MIX ASPHALT AND PRIME.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE SHOULDERS	2.05 TONS/CU. YD.
BITUMINOUS MATERIALS (TACK COAT)	
MILLED SURFACE	0.05 LBS/SQ FT
BETWEEN HMA LIFTS	0.025 LBS/SQ FT
HOT-MIX ASPHALT	112 LBS/SQ YD/INCH

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 (1 1/2")	SBS PG 70-22	4.0% @ N=90	IL - 9.5	MIXTURE D	N90	PPF	1000	NO
MAINLINE	POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N90 (1 1/4")	SBS PG 70-22	4.0% @ N=90	IL - 9.5FG	N/A	N90	PPF	1000	NO
SHOULDER (TOP)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70 (1 1/2")	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	N/A	N/A
SHOULDER (BOTTOM)	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70 (1 1/4")	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	N70	QC/QA	N/A	N/A
INCIDENTAL	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	N/A	N/A
PATCHING	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	PG 64-22	4.0% @ N=90	IL - 19.0	N/A	N90	QC/QA	N/A	N/A

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DRAWN -	REVISED -	SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		CONTRACT NO. 74959			
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -								
PLOT DATE = 3/25/2022	DATE -	REVISED -								

80% FED  
20% STATE

80% FED  
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 MACON URBAN	0005 MACON RURAL	0005 MOULTRIE RURAL
20800150	TRENCH BACKFILL	CU YD	36			36
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	7	5	2	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	103871	50573	31268	22030
40600370	LONGITUDINAL JOINT SEALANT	FOOT	43771	20169	13811	9791
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	150			150
40600990	TEMPORARY RAMP	SO YD	178	114	33	31
40603219	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	TON	8156	3769	2559	1828
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	9875	4582	3100	2193
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	407	211	147	49
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	123979	44998	46494	32487
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SO YD	30276	30276		
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	82			82
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SO YD	2672	1648	680	344

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 MACON URBAN	0005 MACON RURAL	0005 MOULTRIE RURAL
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SO YD	80	80		
44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SO YD	40		40	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2498	1152	788	558
48203100	HOT-MIX ASPHALT SHOULDERS	TON	5576	3106	1465	1005
50105220	PIPE CULVERT REMOVAL	FOOT	130			130
54214719	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 24"	EACH	4			4
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	112			112
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	975	462.5	512.5	
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	775	600	175	
* 63000009	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS	FOOT	300	200	100	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2		

\* SPECIALTY ITEM

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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323/323A	(139,140)RS-4	VARIOUS	35	3
CONTRACT NO. 74959			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 MACON URBAN	0005 MACON RURAL	0005 MOULTRIE RURAL
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)	EACH	9	5	4	
	TANGENT					
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL)	EACH	1	1		
	FLARED					
63200310	GUARDRAIL REMOVAL	FOOT	2238	1400	838	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	45938		26704	19234
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	6	5		1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	2.4	2.3	2.3
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	7	2.4	2.3	2.3
67100100	MOBILIZATION	L SUM	1	0.34	0.33	0.33
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	0.34	0.33	0.33
	701201					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	0.34	0.33	0.33
	701306					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD	L SUM	1	1		
	701501					

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005 MACON URBAN	0005 MACON RURAL	0005 MOULTRIE RURAL
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	14		14
70300100	SHORT TERM PAVEMENT MARKING	FOOT	13230	6141	4152	2937
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	4365	2026	1370	969
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SO FT	62	62		
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	98419	45736	30542	22141
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	236	236		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	12	8	4	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	62	62		
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	236	236		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	98419	45736	30542	22141
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SO FT	62	62		
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	236	236		

\* SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

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

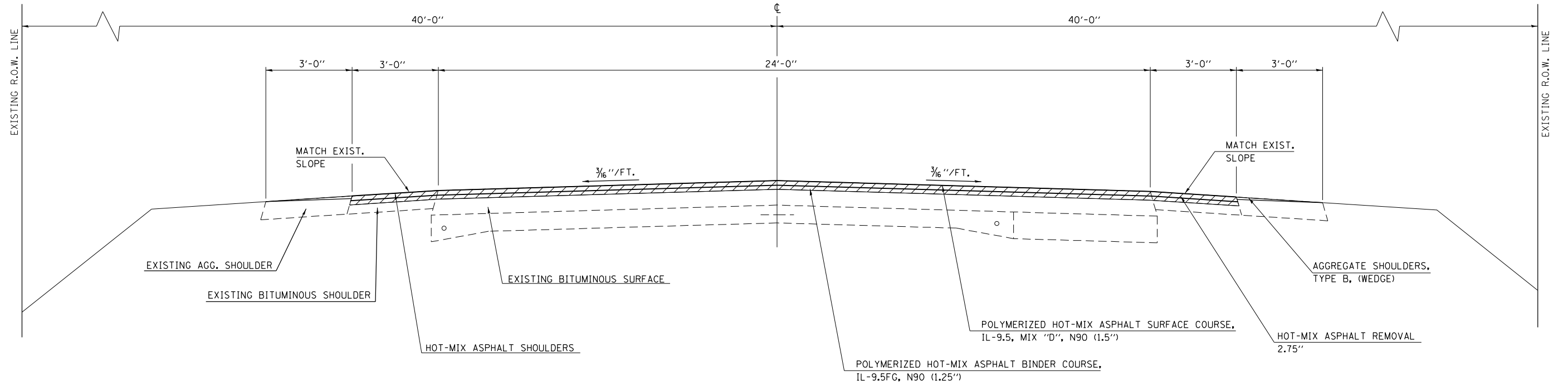
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323/323A	(139,140)RS-4	VARIOUS	35	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74959	





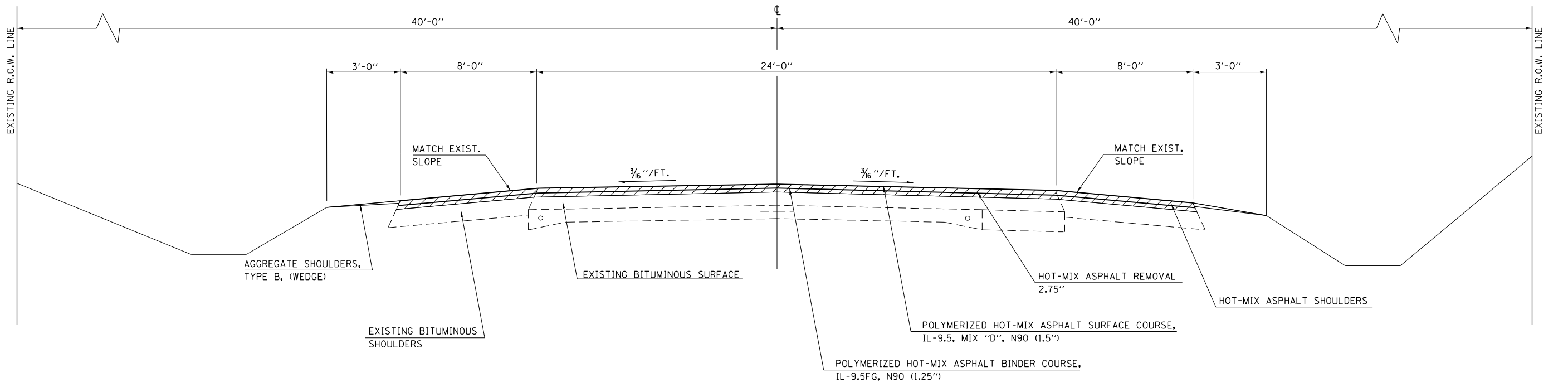
# 1 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION  
 127+51 TO 137+15  
 169+50 TO 180+60



# 2 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION  
 137+15 TO 169+50



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS**

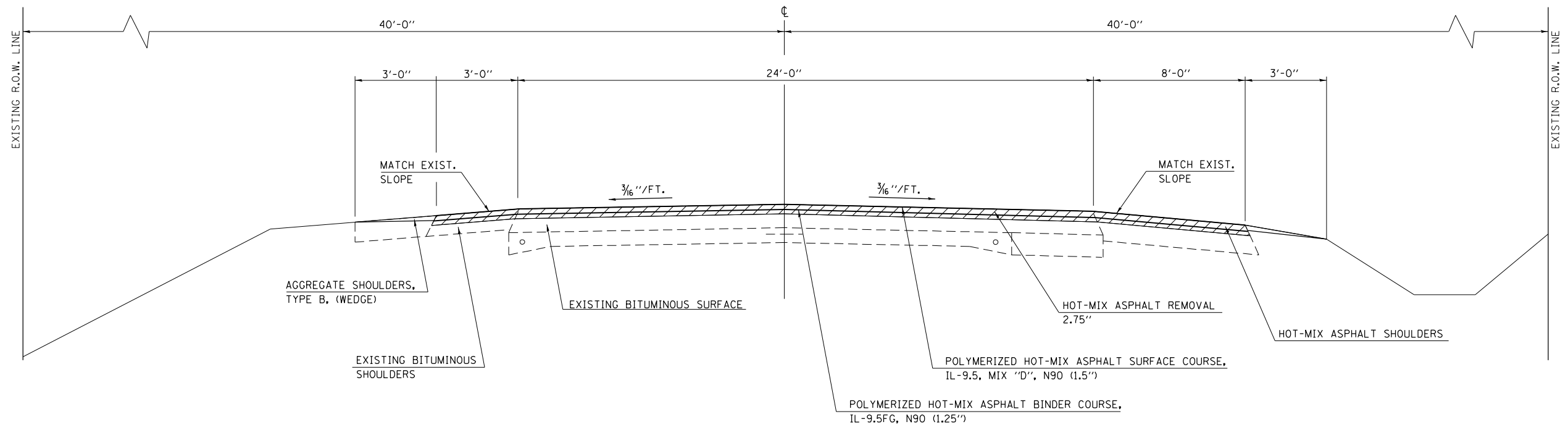
SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323/323A	(139, 140)RS-4	VARIOUS	35	6
CONTRACT NO. 74959			ILLINOIS FED. AID PROJECT	

### 3 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION  
 180+60 184+71  
 190+00 205+00

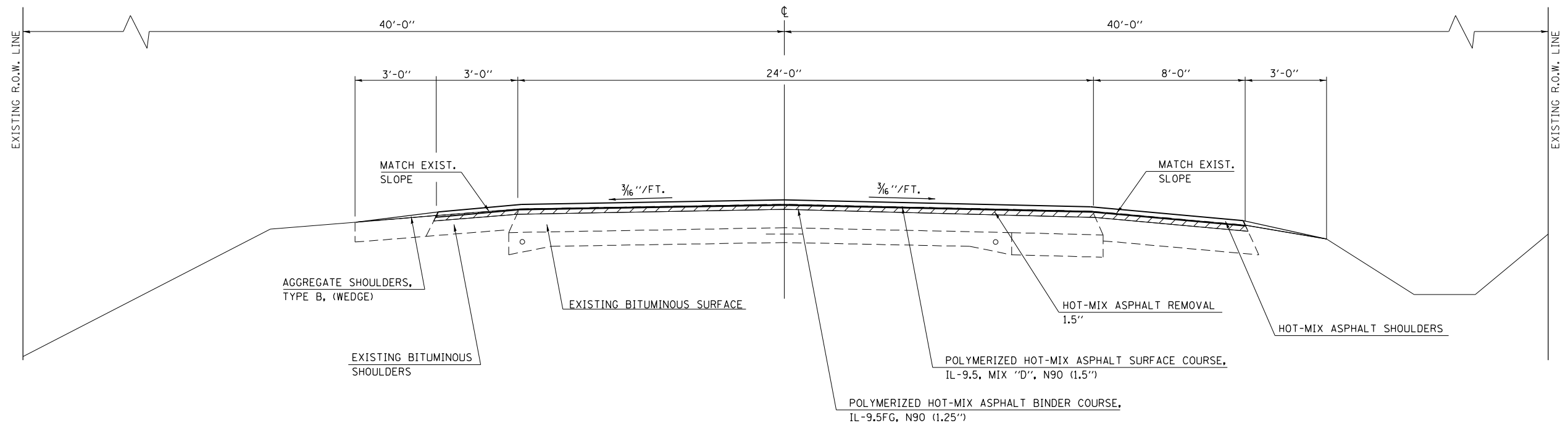
STATION EQUATION:  
 199+58 (BK) = 199+67 (AH)



### 4 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION  
 214+90 234+51  
 240+46 253+25

STATION EQUATION:  
 225+03 (BK) = 224+83 (AH)



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**STATE OF ILLINOIS  
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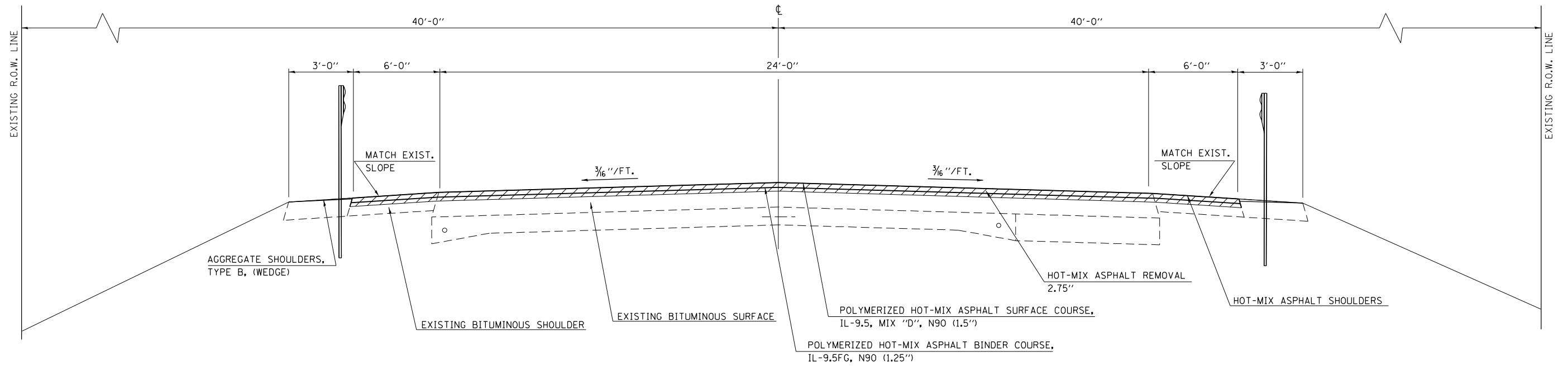
**TYPICAL CROSS SECTIONS**

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323/323A	(139, 140)RS-4	VARIOUS	35	7
CONTRACT NO. 74959			ILLINOIS FED. AID PROJECT	

### 5 PROPOSED TYPICAL CROSS SECTION

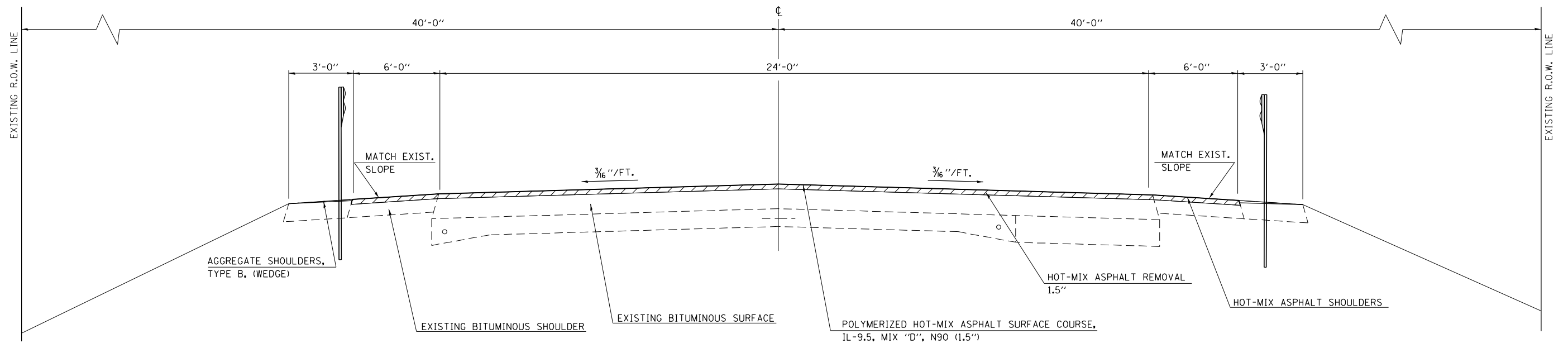
STATION	TO	STATION
184+71		186+77
188+09		190+00



BRIDGE SECTIONS:  
NO LEVEL BINDER  
ON ANY BRIDGE SECTION

### 6 PROPOSED TYPICAL CROSS SECTION

STATION	TO	STATION
186+77		188+09
236+83		238+14
339+93		341+21



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	DATE -	REVISED -

STATE OF ILLINOIS  
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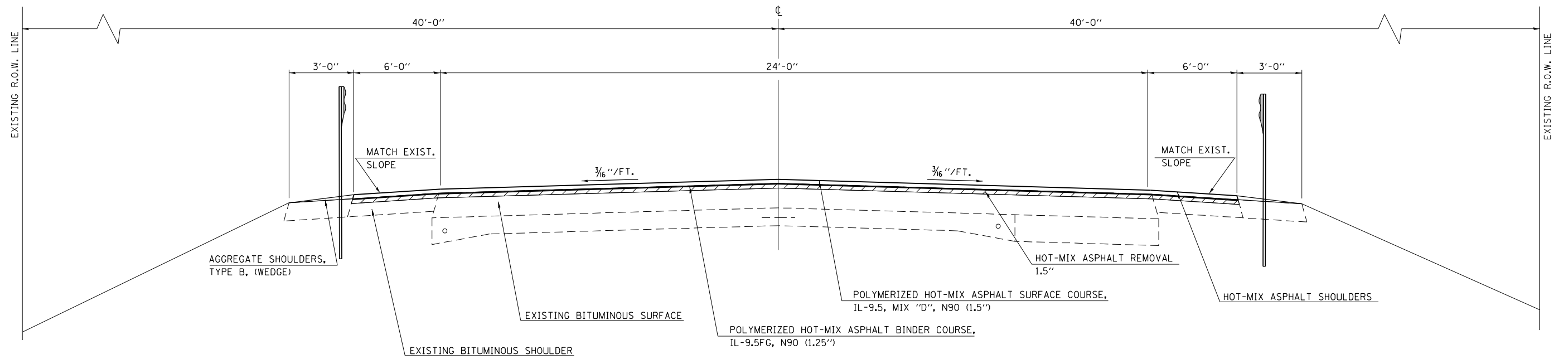
TYPICAL CROSS SECTIONS

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74959			ILLINOIS FED. AID PROJECT	

### 7 PROPOSED TYPICAL CROSS SECTION

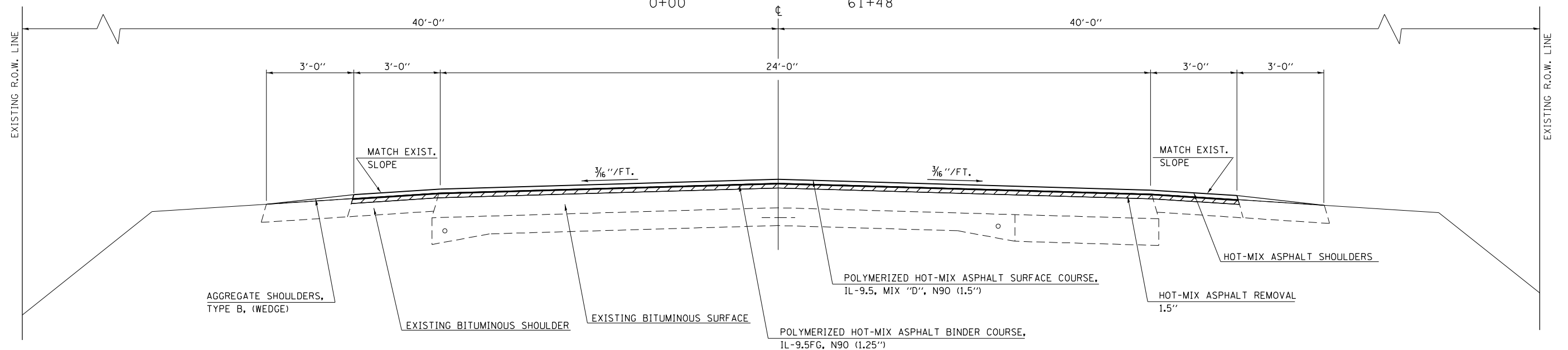
STATION	TO	STATION
234+51		236+83
238+14		240+46
337+75		339+93
341+21		343+21



### 8 PROPOSED TYPICAL CROSS SECTION

STATION	TO	STATION
205+00		214+90
253+25		285+79
291+10		337+75
410+49		513+86
0+00		61+48

STATION EQUATION:  
513+86.00 (BK) = 0+00.00 (AH)



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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

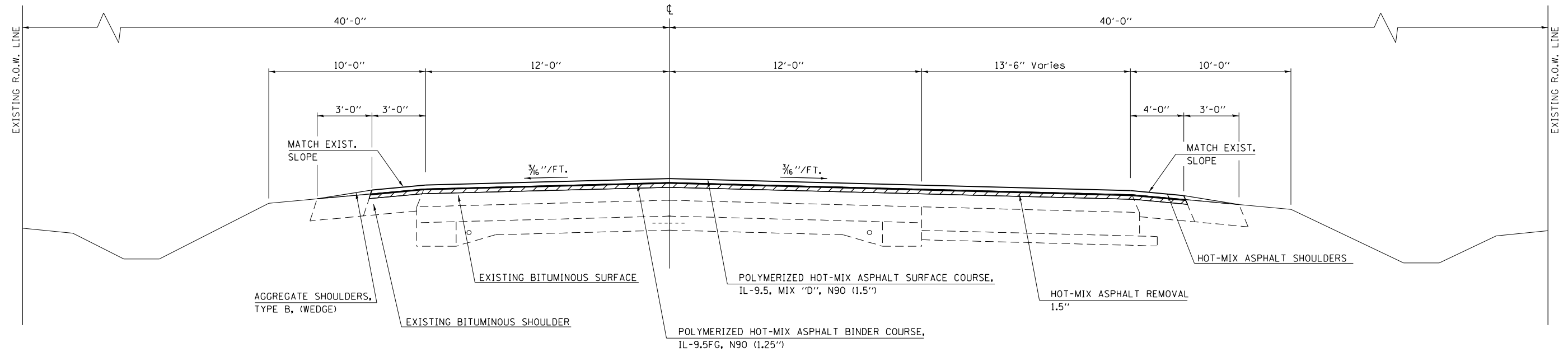
**TYPICAL CROSS SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323/323A	(139, 140)RS-4	VARIOUS	35	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74959	

### 9 PROPOSED TYPICAL CROSS SECTION

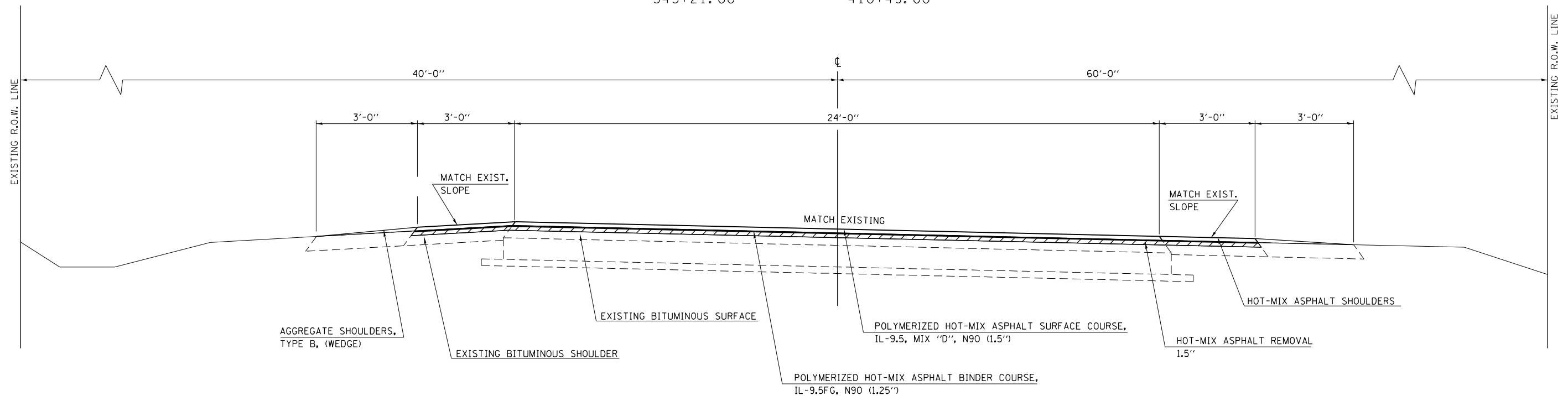
STATION TO STATION  
285+79 TO 291+10



### 10 PROPOSED TYPICAL CROSS SECTION

STATION TO STATION  
343+21.00 TO 410+49.00

STATION EQUATION:  
400+09.03 (BK) = 409+39.58 (AH)



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PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 3/25/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323/323A	(139, 140)RS-4	VARIOUS	35	10
CONTRACT NO. 74959				
ILLINOIS FED. AID PROJECT				





SURVEY MARKER SCHEDULE							PROTECTING OR RESETTING SURVEY MARKERS 20049799	PERMANENT SURVEY MARKER, TYPE I 66700205	
POINT	STATION	OFFSET	NORTHING	EASTING	CODE	DESC.	PROPOSED PRESERVE AND PROTECT	EACH	EACH
1000	216+06.15	0.0'	1145818.609	841764.284	818	POT - ALUM. DISK FOUND +/- 50' WEST OF 70TH STREET	ALUM. IDOT DISK	1	1
1001	225+03 BK = 224+83 AH	0.0'	1145545.981	842619.042	818	POT/STA EQ. - ALUM. DISK FOUND	ALUM. IDOT DISK	1	1
1002	249+72	0.0'	1144789.643	844990.648	818	POT - ALUM. DISK FOUND	ALUM. IDOT DISK	1	1
1003	263+89	0.0'	1144359.410	846340.121	821	POT - IRON PIN FOUND BURIED +/- 0.25'	BRING IP TO THE SURFACE OR SET ALUM. IDOT DISK OVER IP	1	1
1004	294+00	0.0'	1143444.515	849208.852	818	POT - ALUM. DISK FOUND	ALUM. IDOT DISK	1	1
MACON URBAN TOTAL								5	5
1005	513+86 BK = 0+00 AH	0.7' LT.	1138458.685	868382.773	809	POT/STA EQ. - MAG NAIL FOUND- MACON-PIATT COUNTY LINE	MAG NAIL	1	1
MOULTRIE RURAL TOTAL								1	1
PROJECT TOTAL								6	6

PAVEMENT MARKING SCHEDULE										
STATION	TO	STATION	LENGTH	NO PASSING ZONE/TURN LANE	PAINT PAVEMENT MARKING LINE 4" 78001110	SHORT TERM PAVEMENT MARKING 70300100	SHORT TERM PAVEMENT MARKING REMOVAL 70300150	RAISED PAVEMENT MARKER 78100100	RAISED PAVEMENT MARKER REMOVAL 78300200	
			FEET		FEET	FEET	SQ FT	EACH	EACH	
127+51	TO	137+15	964		2169.0	289.2	95.4	12	12	
137+15	TO	169+50	3235		7278.8	970.5	320.3	40	40	
169+50	TO	180+60	1110		2497.5	333	109.9	14	14	
180+60	TO	184+71	411		924.8	123.3	40.7	5	5	
184+71	TO	186+77	206		463.5	61.8	20.4	3	3	
186+77	TO	188+09	132		297.0	39.6	13.1	2	2	
188+09	TO	190+00	191		429.8	57.3	18.9	2	2	
190+00	TO	199+58	958		2155.5	287.4	94.8	12	12	
199+58 = 199+67										
199+67	TO	203+37	370		832.5	111	36.6	5	5	
203+37	TO	205+00	163		366.8	48.9	16.1	2	2	
205+00	TO	207+54	254		571.5	76.2	25.1	3	3	
207+54	TO	215+19	765	EB	2486.3	229.5	75.7	10	10	
215+19	TO	220+05	486		1093.5	145.8	48.1	6	6	
220+05	TO	225+03	498	WB	1618.5	149.4	49.3	6	6	
225+03 = 224+83										
224+83	TO	225+25	42	WB	136.5	12.6	4.2	1	1	
225+25	TO	234+51	926		2083.5	277.8	91.7	12	12	
234+51	TO	236+83	232		522.0	69.6	23.0	3	3	
236+83	TO	238+14	131		294.8	39.3	13.0	2	2	
238+14	TO	240+46	232		522.0	69.6	23.0	3	3	
240+46	TO	244+00	354		796.5	106.2	35.0	4	4	
244+00	TO	253+25	925		2081.3	277.5	91.6	12	12	
253+25	TO	285+79	3254		7321.5	976.2	322.1	41	41	
285+79	TO	288+50	271		609.8	81.3	26.8	3	3	
288+50	TO	290+86	236	TURN LANE	531.0	141.6	46.7	9	9	
290+86	TO	329+73	3887		8745.8	1166.1	384.8	49	49	
<b>MACON COUNTY URBAN</b>			<b>PRA OMISSIONS</b>	<b>1093</b>	<b>45736</b>	<b>6141</b>	<b>2026</b>	<b>259</b>	<b>259</b>	
329+73	TO	337+75	802		1804.5	240.6	79.4	10	10	
337+75	TO	339+93	218		490.5	65.4	21.6	3	3	
339+93	TO	341+21	128		288.0	38.4	12.7	2	2	
341+21	TO	343+21	200		450.0	60	19.8	3	3	
343+21	TO	400+09	5688		12798.0	1706.4	563.1	71	71	
400+09=409+40										
409+40	TO	410+49	109		245.3	32.7	10.8	1	1	
410+49	TO	477+43	6694		15061.5	2008.2	662.7	84	84	
<b>MACON COUNTY RURAL</b>			<b>PRA OMISSIONS</b>	<b>596</b>	<b>30542</b>	<b>4152</b>	<b>1370</b>	<b>173</b>	<b>173</b>	
477+43	TO	513+86	3643		8196.8	1092.9	360.7	46	46	
513+86=0+00										
0+00	TO	59+15	5915		13308.8	1774.5	585.6	74	74	
59+15	TO	61+48	233	EB	757.3	69.9	23.1	3	3	
<b>MOULTRIE COUNTY RURAL</b>			<b>PRA OMISSIONS</b>	<b>122</b>	<b>22141</b>	<b>2937</b>	<b>969</b>	<b>122</b>	<b>122</b>	
					<b>TOTALS</b>	<b>98419</b>	<b>13230</b>	<b>4365</b>	<b>554</b>	<b>554</b>

GUARDRAIL SCHEDULE											
LOCATION	GUARDRAIL REMOVAL 63200310	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS 63000009	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS 63000001	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED 63100169	TRAFFIC BARRIER TERMINAL, TYPE 2 63100045	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS) X6330725	GUARDRAIL REFLECTORS, TYPE A 78200005	TERMINAL MARKER-DIRECT APPLIED 72501000	
	FEET	FEET	FEET	FEET	EACH	EACH	EACH	FEET	EACH	EACH	
058-0021											
NW	237.5	25	125	75	1	-	-	-	4	1	
SW	162.5	25	125	-	1	-	-	-	4	1	
NE	87.5	25	25	12.5	-	-	1	15	4	1	
SE	112.5	25	25	25	-	-	1	20	4	1	
058-0022											
NW	100	25	37.5	25	1	-	-	-	4	1	
SW	187.5	25	37.5	112.5	1	-	-	-	4	1	
NE	187.5	25	112.5	37.5	1	-	-	-	4	1	
SE	325	25	112.5	175	-	1	-	-	4	1	
MACON URBAN	1400	200	600	462.5	5	1	2	35	32	8	
058-0023											
NW	262.5	25	87.5	137.5	1	-	-	-	4	1	
SW	200	25	-	162.5	1	-	-	-	4	1	
NE	262.5	25	87.5	137.5	1	-	-	-	4	1	
SE	112.5	25	-	75	1	-	-	-	4	1	
MACON RURAL	838	100	175	512.5	4	0	0	0	16	4	
PROJECT TOTAL=	2238	300	775	975	9	1	2	35	48	12	

PIPE CULVERT SCHEDULE					
LOCATION	TRENCH BACKFILL 20800150	PIPE CULVERT REMOVAL 50105220	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24" 542A5479	PRECAST REINFORCED CONCRETE FLARED END SECTIONS-EQUIVALENT ROUND-SIZE 24" 54214719	CLASS D PATCHES, TYPE IV, 12 INCH 44201796
	CU YD	FEET	FEET	EACH	SQ YD
480+49	20	65	56	2	42
491+44	16	65	56	2	40
MOULTRIE RURAL	36	130	112	4	82
PROJECT TOTAL=	36	130	112	4	82

THERMOPLASTIC PAVEMENT MARKING							
STATION	TO	STATION	LENGTH	THERMOPLASTIC PAVEMENT MARKING-LINE 6" WHITE 78000400	THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS 78000100	GROOVING FOR RECESSED PAVMENT MARKING 7" 78011035	GROOVING FOR RECESSED PAVMENT MARKING, LETTERS AND SYMBOLS 78011000
			FEET	FEET	SQ FT	FEET	SQ FT
288+50	TO	290+86	236	236	62	236	62

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USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/25/2022	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

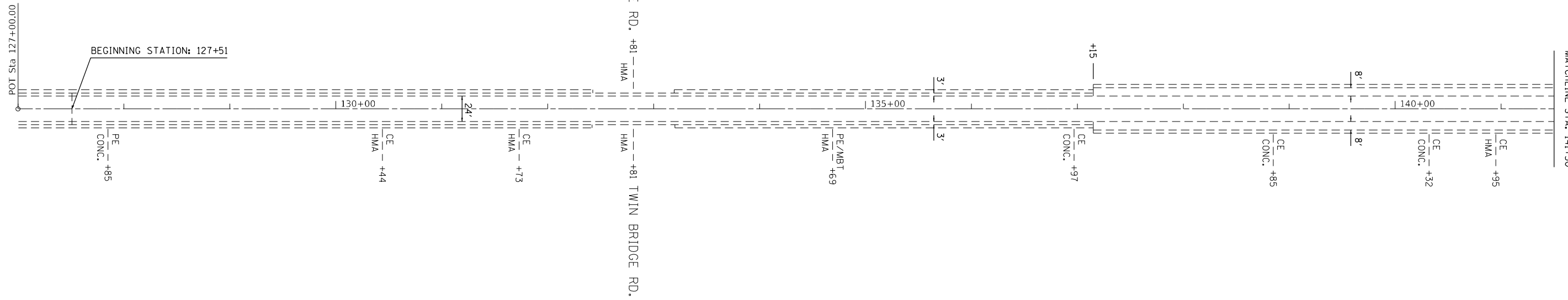
SCHEDULE OF QUANTITIES			
SCALE:	SHEET 2	OF 3	SHEETS STA. TO STA.

F.A.P. RTE. 323/223A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 12
CONTRACT NO. 74959				
ILLINOIS FED. AID PROJECT				

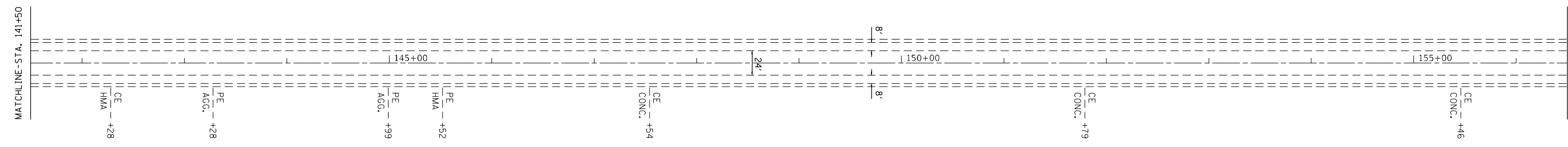
ENTRANCE SCHEDULE												
TYPE	STATION	L/R	RAMP (Y/N)	MATL.	LENGT H "L" (FT)	WIDTH @ EOP (FT)	WIDTH @ "L" (FT)	AREA (SQ FT)	INCIDENTAL HOT-MIX ASPHALT SURFACING 40800050 (TON)	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL) X0326440 (SQ YD)	AGGREGATE SURFACE COURSE, TYPE B 40200800 (TON)	TEMPORARY RAMP, SPECIAL X4060995 (SQ YD)
PE	127+85	R	Y	CONC	0	110	0	0.0	-	-	-	24.4
CE	130+44	R	Y	HMA	5	33	27	150.0	1.4	16.7	-	7.3
CE	131+73	R	Y	HMA	10	50	37	435.0	4.1	48.3	-	11.1
PRA	132+81	L	Y	HMA	20	77	25	1020.0	9.5	113.3	-	17.1
PRA	132+81	R	Y	HMA	20	78	27	1050.0	9.8	116.7	-	17.3
PE/MBT	134+69	R	Y	HMA	10	57	48	525.0	4.9	58.3	-	12.7
CE	136+97	R	Y	CONC	0	72	0	0.0	-	-	-	16.0
CE	138+85	R	Y	CONC	0	91	0	0.0	-	-	-	20.2
CE	140+32	R	Y	CONC	0	94	0	0.0	-	-	-	20.9
CE	140+95	R	Y	HMA	10	27	16	215.0	2.0	23.9	-	6.0
CE	142+28	R	Y	HMA	10	47	32	395.0	3.7	43.9	-	10.4
PE	143+28	R	Y	AGG	10	15	10	125.0	-	-	0.0	3.3
PE	144+99	R	Y	AGG	10	15	10	125.0	-	-	0.0	3.3
PE	145+52	R	Y	HMA	20	24	18	420.0	3.9	46.7	-	5.3
CE	147+54	R	Y	CONC	0	51	0	0.0	-	-	-	11.3
CE	151+79	R	Y	CONC	0	160	0	0.0	-	-	-	35.6
CE	155+46	R	Y	CONC	0	77	0	0.0	-	-	-	17.1
CE	156+68	R	Y	CONC	0	70	0	0.0	-	-	-	15.6
CE	158+02	R	Y	AGG	10	30	20	250.0	-	-	0.0	6.7
CE	158+78	R	Y	CONC	0	58	0	0.0	-	-	-	12.9
PRA	159+89	R	Y	HMA	33	79	23	1683.0	15.7	187.0	-	17.6
CE	161+88	R	Y	CONC	0	50	0	0.0	-	-	-	11.1
CE	162+55	R	Y	CONC	0	49	0	0.0	-	-	-	10.9
CE	163+24	R	Y	CONC	0	49	0	0.0	-	-	-	10.9
CE	164+50	R	Y	CONC	0	45	0	0.0	-	-	-	10.0
PE	165+90	R	Y	HMA	10	22	13	175.0	1.6	19.4	-	4.9
PE	166+20	R	Y	HMA	10	26	11	185.0	1.7	20.6	-	5.8
CE	167+04	R	Y	HMA	10	51	34	425.0	4.0	47.2	-	11.3
PE	167+73	L	Y	HMA	10	25	14	195.0	1.8	21.7	-	5.6
CE	170+15	R	Y	HMA	5	68	53	302.5	2.8	33.6	-	15.1
CE	171+38	R	Y	HMA	7	75	51	441.0	4.1	49.0	-	16.7
FE	173+23	R	Y	HMA	10	31	15	230.0	2.1	25.6	-	6.9
CE	175+83	R	Y	HMA	3	116	97	319.5	3.0	35.5	-	25.8
CE	180+40	R	Y	CONC	0	71	0	0.0	-	-	-	15.8
CE	181+37	R	Y	CONC	0	59	0	0.0	-	-	-	13.1
PE	182+72	L	Y	HMA	10	39	22	305.0	2.8	33.9	-	8.7
PE	184+35	R	Y	AGG	10	25	10	175.0	-	-	0.0	5.6
PE	185+22	R	Y	HMA	10	21	18	195.0	1.8	21.7	-	4.7
PRA	188+80	L	Y	HMA	15	61	26	652.5	6.1	72.5	-	13.6
PRA	188+80	R	Y	HMA	12	60	31	546.0	5.1	60.7	-	13.3
PE	191+35	R	Y	AGG	10	24	15	195.0	-	-	0.0	5.3
PE	193+23	R	Y	AGG	10	30	25	275.0	-	-	0.0	6.7
PE	194+24	R	Y	CONC	0	35	0	0.0	-	-	-	7.8
CE	194+97	R	Y	CONC	0	54	0	0.0	-	-	-	12.0
PRA	195+68	R	Y	HMA	10	45	30	375.0	3.5	41.7	-	10.0
PE	197+89	R	Y	AGG	10	35	10	225.0	-	-	0.0	7.8
PE	200+11	R	Y	AGG	10	32	25	285.0	-	-	0.0	7.1
PE	200+75	R	Y	AGG	10	30	25	275.0	-	-	0.0	6.7
PE	202+77	R	Y	AGG	10	26	21	235.0	-	-	0.0	5.8
PRA	203+41	R	Y	CONC	0	130	0	0.0	-	-	-	28.9
CE	214+99	R	Y	HMA	10	66	55	605.0	5.6	67.2	-	14.7
CE	216+99	R	Y	HMA	10	43	35	390.0	3.6	43.3	-	9.6
PRA	216+75	L	Y	HMA	26	81	29	1430.0	13.3	158.9	-	18.0
PRA	216+75	R	Y	HMA	20	52	23	750.0	7.0	83.3	-	11.6
PE	218+76	R	Y	HMA	10	47	29	380.0	3.5	42.2	-	10.4
PE	219+47	R	Y	HMA	10	42	32	370.0	3.5	41.1	-	9.3
PE	220+13	R	Y	HMA	10	48	32	400.0	3.7	44.4	-	10.7
CE	221+63	R	Y	HMA	10	62	45	535.0	5.0	59.4	-	13.8
CE	223+31	R	Y	HMA	10	53	43	480.0	4.5	53.3	-	11.8
PE	226+03	R	Y	AGG	10	23	16	195.0	-	-	1.1	5.1
PE	227+48	R	Y	HMA	10	22	15	185.0	1.7	20.6	-	4.9
PE	229+24	R	Y	CONC	10	26	20	230.0	2.1	25.6	-	5.8
PE	233+53	R	Y	AGG	10	20	15	175.0	-	-	1.0	4.4

ENTRANCE SCHEDULE CONT.												
TYPE	STATION	L/R	RAMP (Y/N)	MATL.	LENGT H "L" (FT)	WIDTH @ EOP (FT)	WIDTH @ "L" (FT)	AREA (SQ FT)	INCIDENTAL HOT-MIX ASPHALT SURFACING 40800050 (TON)	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL) X0326440 (SQ YD)	AGGREGATE SURFACE COURSE, TYPE B 40200800 (TON)	TEMPORARY RAMP, SPECIAL X4060995 (SQ YD)
PE	241+22	R	Y	HMA	10	42	29	355.0	3.3	39.4	-	9.3
PE	244+58	R	Y	HMA	10	24	16	200.0	1.9	22.2	-	5.3
PE	246+60	R	Y	CONC	10	25	15	200.0	1.9	22.2	-	5.6
PE	248+53	R	Y	AGG	10	26	20	230.0	-	-	1.3	5.8
CE	249+90	R	Y	HMA	10	40	37	385.0	3.6	42.0	-	8.9
PE	252+54	R	Y	AGG	10	26	21	235.0	-	-	1.3	5.8
PE	255+60	R	Y	HMA	5	35	31	165.0	1.5	18.3	-	7.8
PRA	257+42	L	Y	HMA	13	52	27	513.5	4.8	57.1	-	11.6
PRA	257+42	R	Y	HMA	10	80	41	605.0	5.6	67.2	-	17.8
PRA	272+44	L	Y	HMA	20	85	60	1450.0	13.5	161.1	-	18.9
PRA	291+53	R	Y	HMA	35	103	35	2415.0	22.5	268.3	-	22.9
FE	300+12	L	Y	HMA	6	31	21	156.0	1.5	17.3	-	6.9
FE	307+25	R	Y	HMA	4	30	20	100.0	0.9	11.1	-	6.7
<b>URBAN MACON COUNTY</b>									<b>211</b>	<b>2504</b>	<b>5</b>	<b>863</b>
FE	331+38	R	Y	HMA	4	29	18	94.0	0.9	10.4	-	6.4
PE	353+60	L	Y	HMA	7	55	43	343.0	3.2	38.1	-	12.2
PE	355+94	L	Y	HMA	7	72	60	462.0	4.3	51.3	-	16.0
PRA	357+19	R	Y	HMA	42	70	20	1890.0	17.6	210.0	-	15.6
PRA	357+19	L	Y	HMA	40	84	22	2120.0	19.8	235.6	-	18.7
PE	358+88	R	Y	HMA	6	35	22	171.0	1.6	19.0	-	7.8
PE	359+52	L	Y	AGG	10	32	25	285.0	-	-	1.6	7.1
PRA	363+00	R	Y	HMA	30	101	34	2025.0	18.9	225.0	-	22.4
FE	366+22	R	Y	HMA	5	40	39	197.5	1.8	21.9	-	8.9
FE	366+22	L	Y	HMA	5	30	21	127.5	1.2	14.2	-	6.7
FE	381+09	R	Y	HMA	5	34	23	142.5	1.3	15.8	-	7.6
FE	381+09	L	Y	HMA	7	36	28	224.0	2.1	24.9	-	8.0
PRA	389+00	R	Y	HMA	32	95	31	2016.0	18.8	224.0	-	21.1
FE	390+88	L	Y	HMA	5	35	27	155.0	1.4	17.2	-	7.8
PRA	399+38	L	Y	HMA	20	70	22	920.0	8.6	102.2	-	15.6
FE	421+37	L	Y	HMA	7	35	28	220.5	2.1	24.5	-	7.8
PRA	423+53	R	Y	HMA	25	75	23	1225.0	11.4	136.1	-	16.7
FE	434+53	L	Y	HMA	5	35	28	157.5	1.5	17.5	-	7.8
FE	437+34	R	Y	HMA	7	34	29	220.5	2.1	24.5	-	7.6
FE	447+76	L	Y	HMA	7	33	27	210.0	2.0	23.3	-	7.3
FE	450+51	R	Y	HMA	7	40	35	262.5	2.5	29.2	-	8.9
FE	460+68	L	Y	HMA	5	35	28	157.5	1.5	17.5	-	7.8
FE	463+73	R	Y	HMA	7	40	35	262.5	2.5	29.2	-	8.9
FE	467+44	R	Y	HMA	7	45	39	294.0	2.7	32.7	-	10.0
PE	470+59	L	Y	HMA	5	34	28	155.0	1.4	17.2	-	7.6
FE	474+04	R	Y	HMA	5	35	26	152.5	1.4	16.9	-	7.8
PRA	474+04	L	Y	HMA	24	49	15	768.0	7.2	85.3	-	10.9
PRA	477+43	R	Y	HMA	23	52	18	805.0	7.5	89.4	-	11.6
<b>RURAL MACON COUNTY</b>									<b>147</b>	<b>1753</b>	<b>2</b>	<b>302</b>
FE	484+61	R	Y	HMA	7	37	32	241.5	2.3	26.8	-	8.2
FE	504+82	L	Y	HMA	6	67	47	342.0	3.2	38.0	-	14.9
FE	506+02	R	Y	HMA	6	43	30	219.0	2.0	24.3	-	9.6
FE	506+68	L	Y	HMA	5	60	45	262.5	2.5	29.2	-	13.3
PRA	513+86	L	Y	HMA	26	55	22	1001.0	9.3	111.2	-	12.2
PE	11+38	R	Y	HMA	6	41	32	219.0	2.0	24.3	-	9.1
PE MBT	12+62	R	Y	HMA	5	67	57	310.0	2.9	34.4	-	14.9
FE	13+38	L	Y	HMA	6	35	28	189.0	1.8	21.0	-	7.8
PRA	16+33	R	Y	HMA	25	67	25	1150.0	10.7	127.8	-	14.9
FE	30+82	R	Y	HMA	7	37	30	234.5	2.2	26.1	-	8.2
FE	38+22	L	Y	HMA	5	35	29	160.0	1.5	17.8	-	7.8
FE	48+85	L	Y	HMA	7	36	30	231.0	2.2	25.7	-	8.0
PE	51+66	R	Y	HMA	7	46	40	301.0	2.8	33.4	-	10.2
PE MBT	53+45	R	Y	HMA	6	72	66	414.0	3.9	46.0	-	16.0
<b>RURAL MOULTRIE COUNTY</b>									<b></b>			

MATCHLINE-STA. 141+50



MATCHLINE-STA. 156+50



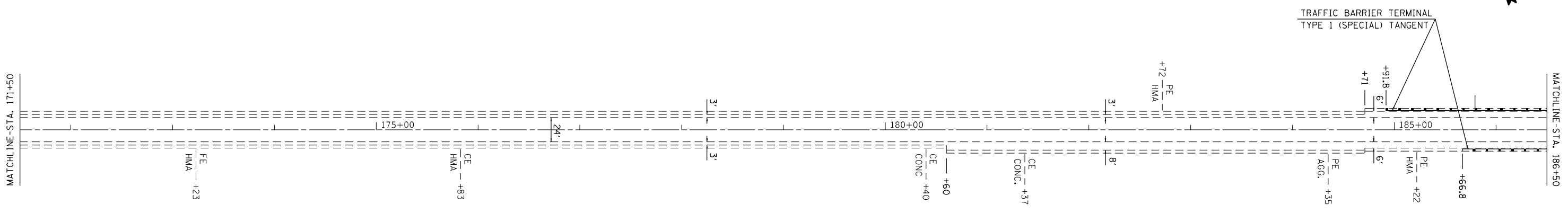
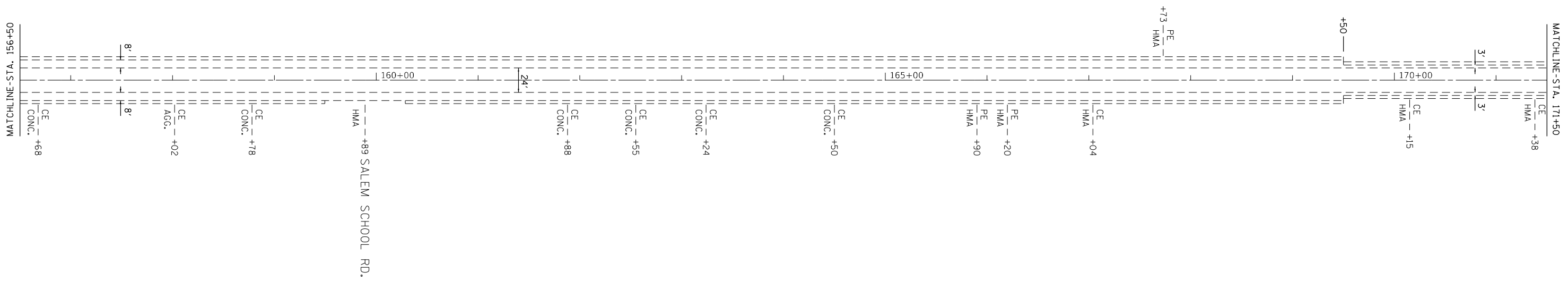
F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 14
ILLINOIS			FED. AID PROJECT	

<b>PLAN SHEETS - US 36</b>				
SCALE:	SHEET 1	OF 15 SHEETS	STA.	TO STA.

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>			
DESIGNED -	REVISED -		
DRAWN -	REVISED -		
CHECKED -	REVISED -		
DATE -	REVISED -		

USER NAME = stefnkmk	DESIGNED -	REVISED -
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PLOT DATE = 3/25/2022	CHECKED -	REVISED -
	DATE -	REVISED -

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 CONTRACT NO. 74959



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

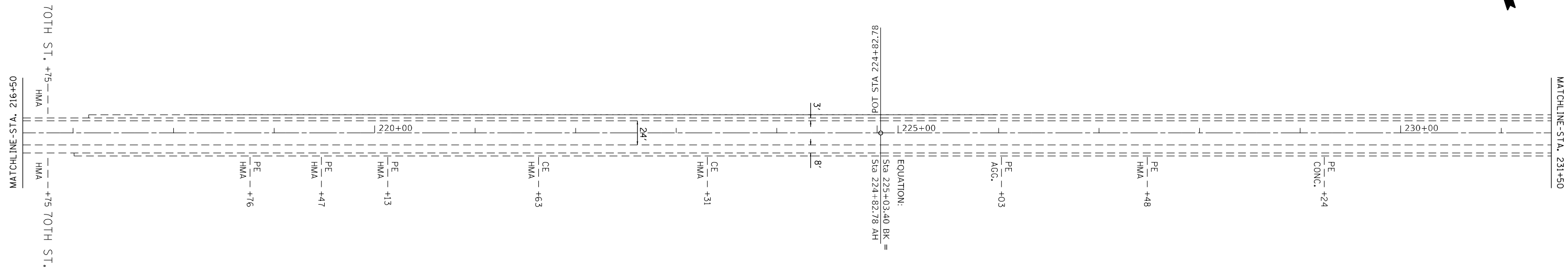
**PLAN SHEETS - US 36**

SCALE: SHEET 2 OF 15 SHEETS STA. TO STA.

F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 15
CONTRACT NO. 74959			ILLINOIS FED. AID PROJECT	

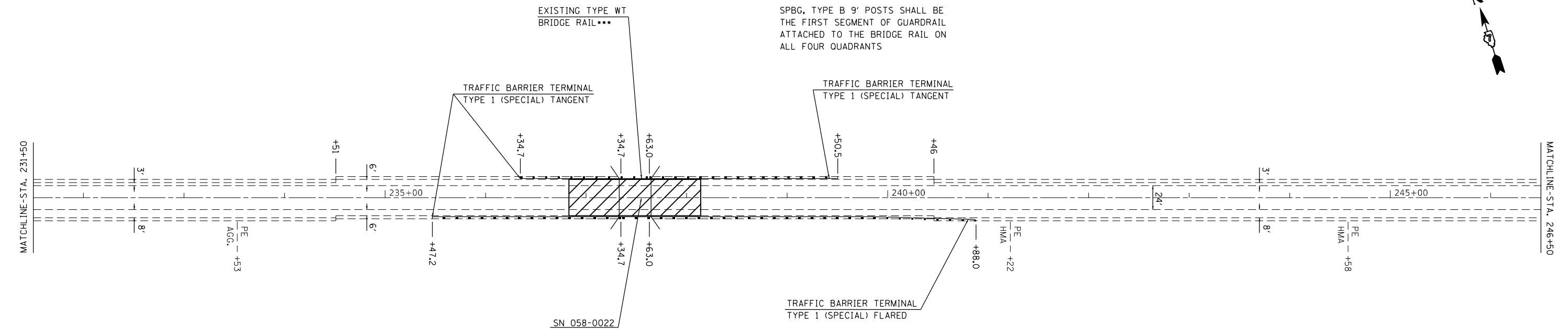







••• EXISTING TYPE WT BRIDGE RAIL IS TO BE LEFT IN PLACE AND NEW GUARDRAIL IS TO BE CONNECTED

SPBG, TYPE B 9' POSTS SHALL BE THE FIRST SEGMENT OF GUARDRAIL ATTACHED TO THE BRIDGE RAIL ON ALL FOUR QUADRANTS



 1.5" OF SURFACE COURSE  
STA. 236+83 TO STA. 238+14 SEE DETAIL #3 ON SHEET 29

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PLOT DATE = 3/25/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

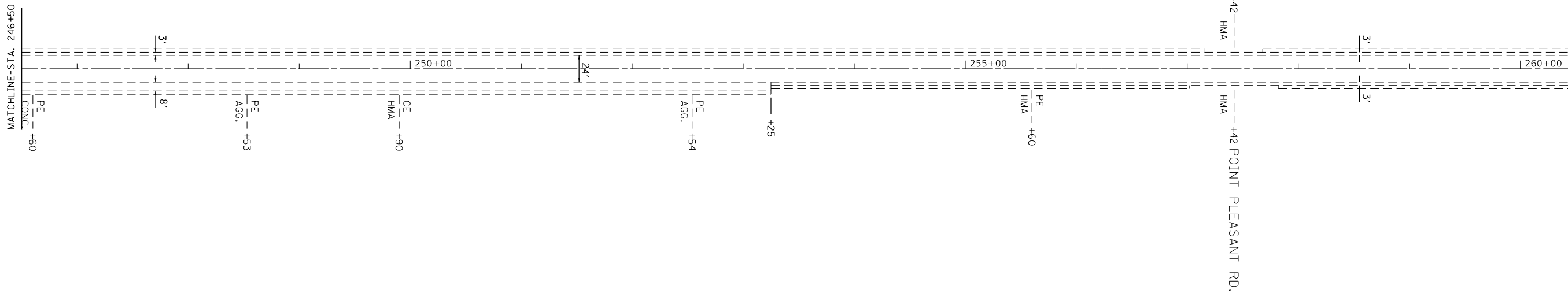
**PLAN SHEETS - US 36**

SCALE: SHEET 4 OF 15 SHEETS STA. TO STA.

F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74959	



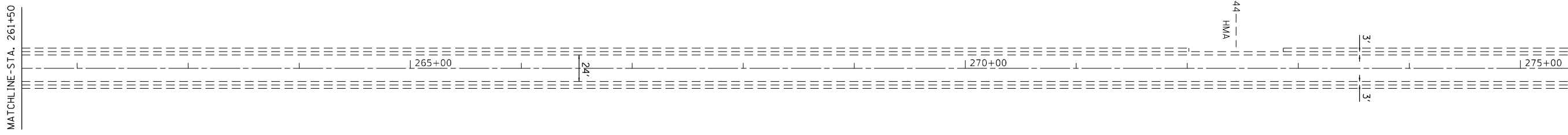
MATCHLINE-STA. 261+50



MATCHLINE-STA. 246+50



MATCHLINE-STA. 276+50



MATCHLINE-STA. 261+50

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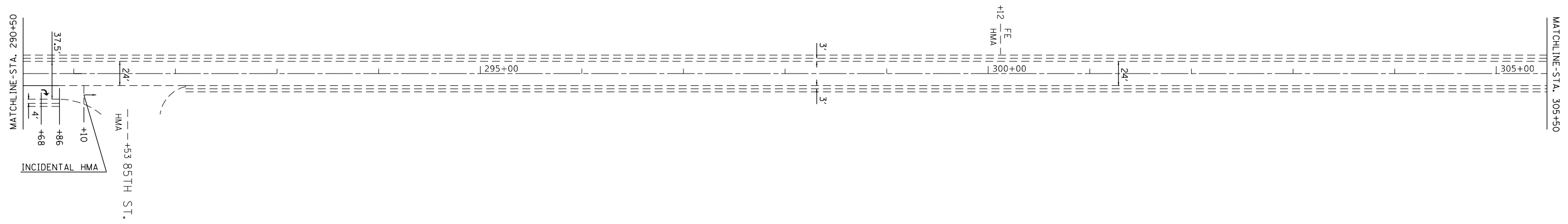
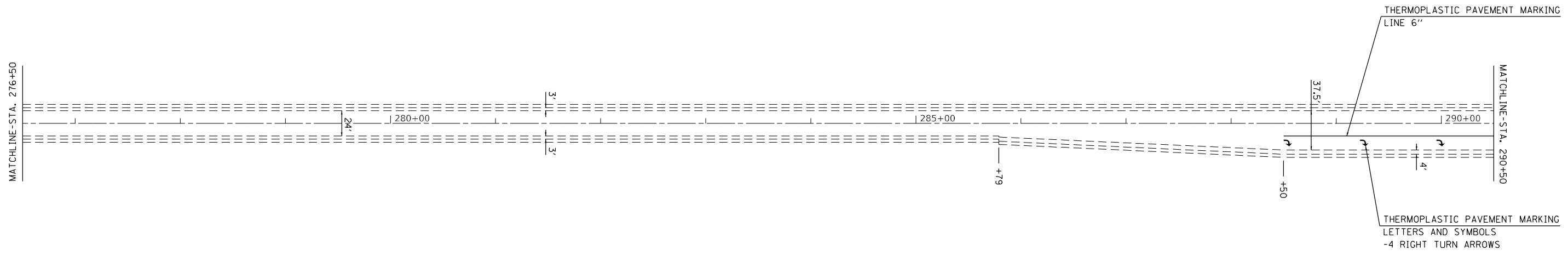
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS - US 36**

SCALE: SHEET 5 OF 15 SHEETS STA. TO STA.

F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 18
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74959	



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USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/25/2022	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS - US 36**

SCALE: SHEET 6 OF 15 SHEETS STA. TO STA.

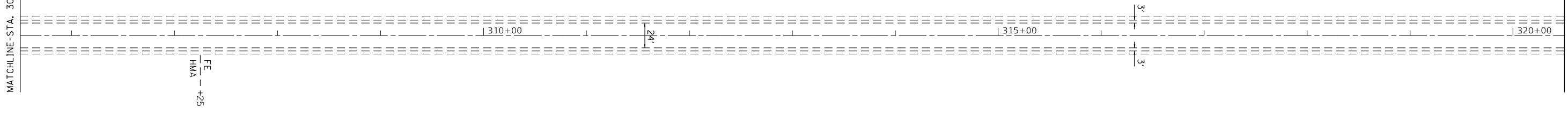
F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 19
ILLINOIS			FED. AID PROJECT	

CONTRACT NO. 74959



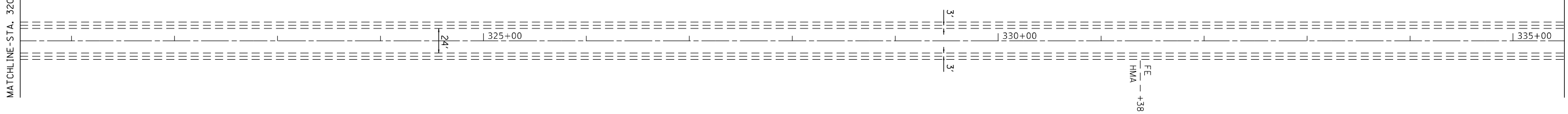
MATCHLINE-STA. 320+50

MATCHLINE-STA. 305+50



MATCHLINE-STA. 335+50

MATCHLINE-STA. 320+50



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USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 3/25/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

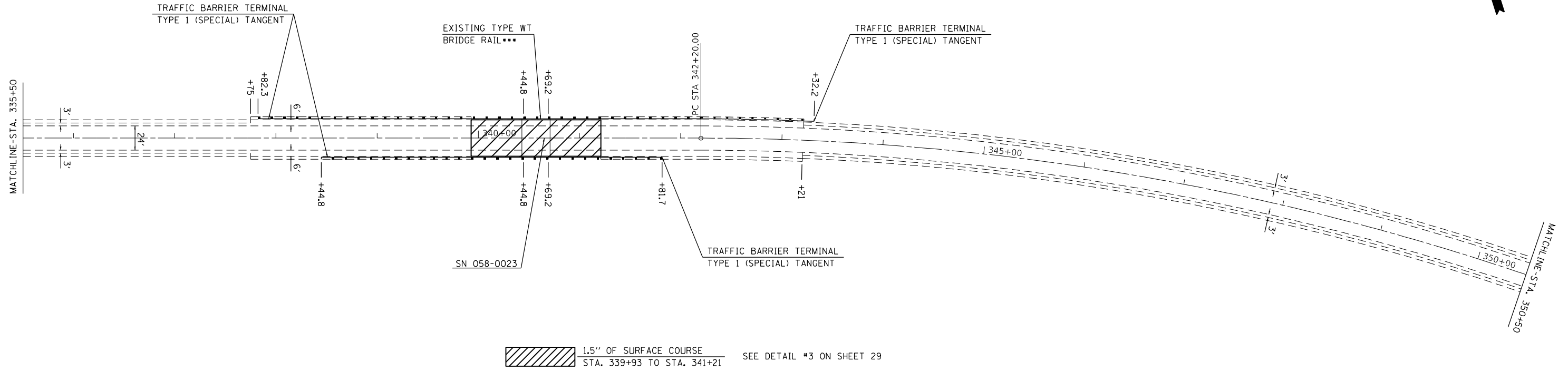
**PLAN SHEETS - US 36**


SCALE: SHEET 7 OF 15 SHEETS STA. TO STA.

F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74959	

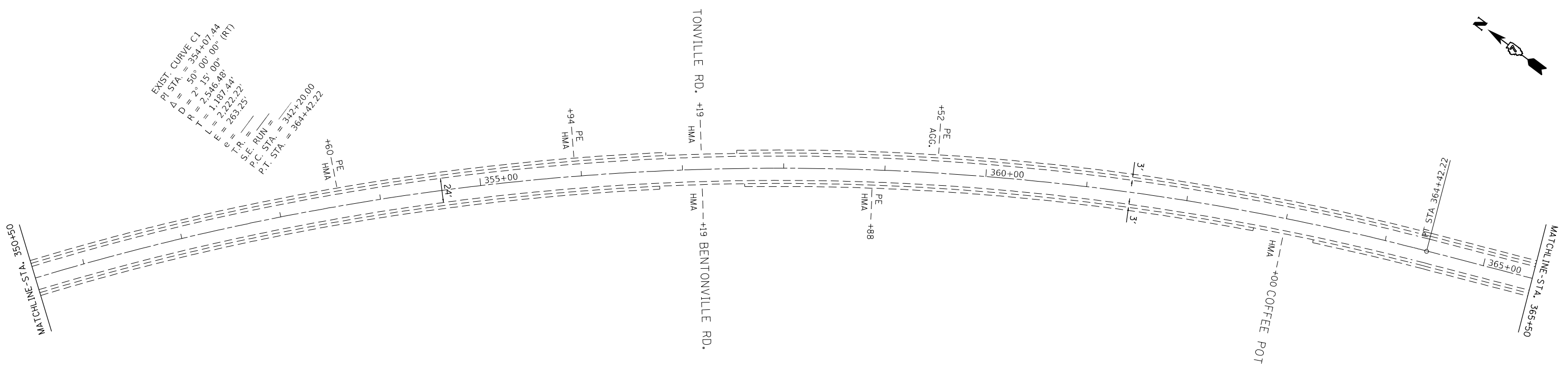
\*\*\* EXISTING TYPE WT BRIDGE RAIL IS TO BE LEFT IN PLACE AND NEW GUARDRAIL IS TO BE CONNECTED

SPBG, TYPE B 9' POSTS SHALL BE THE FIRST SEGMENT OF GUARDRAIL ATTACHED TO THE BRIDGE RAIL ON ALL FOUR QUADRANTS



 1.5" OF SURFACE COURSE STA. 339+93 TO STA. 341+21 SEE DETAIL #3 ON SHEET 29

EXIST. CURVE C1  
 PI STA. = 354+01.44  
 Δ = 50° 00'  
 D = 2° 15'  
 R = 2,546.48'  
 T = 1,187.24'  
 E = 2,222.22'  
 e = 263.23'  
 S.E. RUN = 342+20.00  
 P.C. STA. = 342+20.00  
 P.T. STA. = 364+42.22



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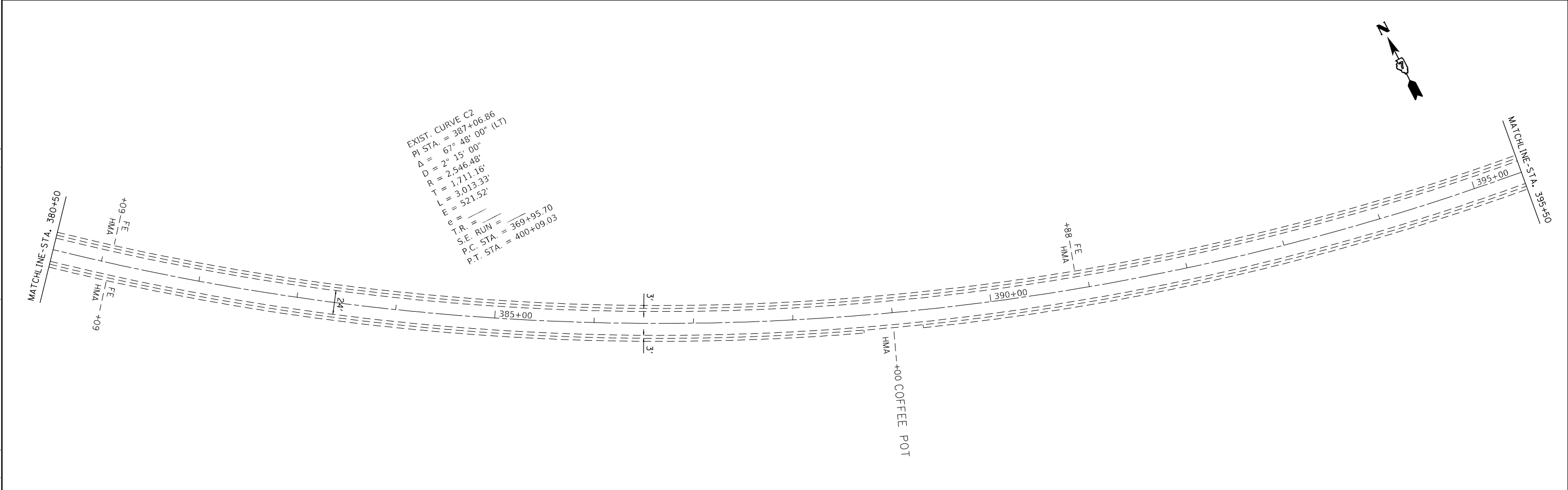
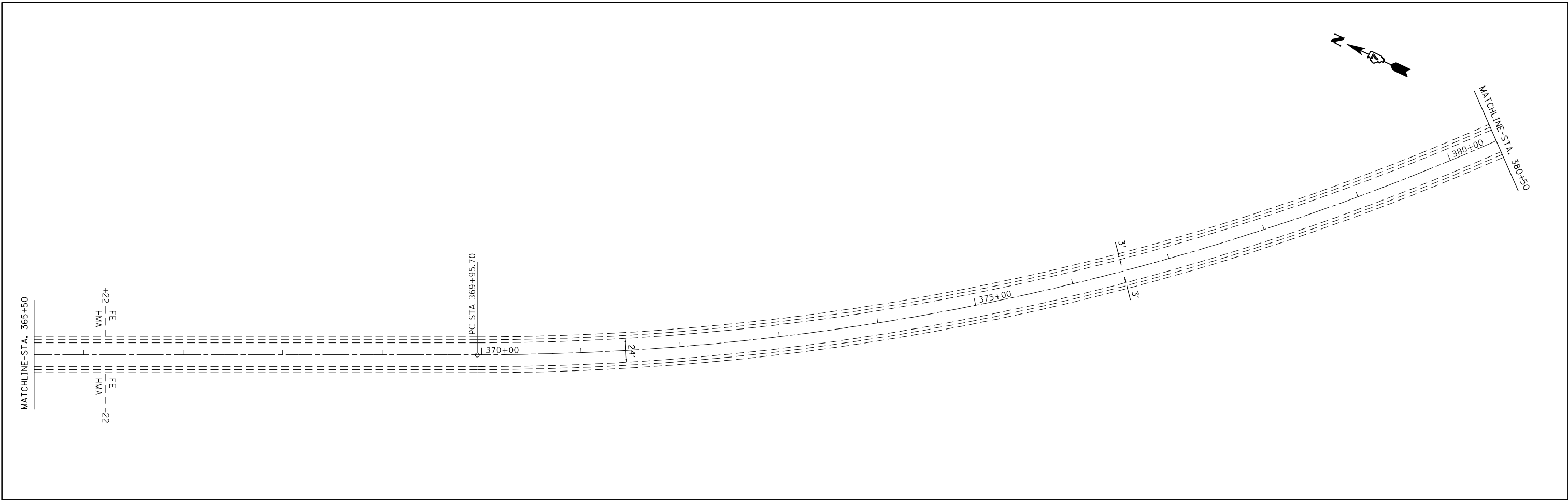
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PLOT DATE = 3/25/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS - US 36**

SCALE: SHEET 8 OF 15 SHEETS STA. TO STA.

F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 21
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74959	



EXIST. CURVE C2  
 P.I. STA. = 387+06.86  
 $\Delta = 2^\circ 15' 00''$   
 $R = 2,546.48'$   
 $T = 1,711.16'$   
 $L = 3,013.33'$   
 $E = 521.52'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN = 369+95.70$   
 $P.C. STA. = 400+09.03$

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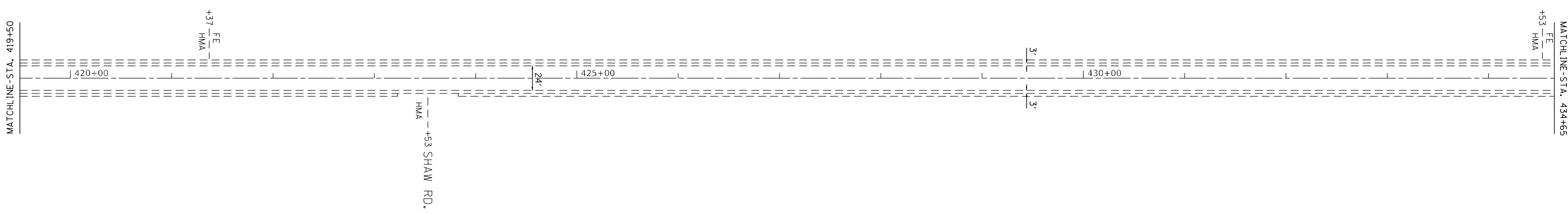
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS - US 36**

SCALE: SHEET 9 OF 15 SHEETS STA. TO STA.

F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74959	





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PLOT DATE = 3/25/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS - US 36**

SCALE: SHEET 10 OF 15 SHEETS STA. TO STA.

F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 23
CONTRACT NO. 74959			ILLINOIS FED. AID PROJECT	



MATCHLINE-STA. 449+50

+76  
FE  
HMA

3'  
3'

445+00

440+00

FE  
HMA  
+34

435+00

MATCHLINE-STA. 434+65



MATCHLINE-STA. 464+50

FE  
HMA  
+73

+68  
FE  
HMA

3'  
3'

460+00

455+00

24'

FE  
HMA  
+51

450+00

MATCHLINE-STA. 449+50

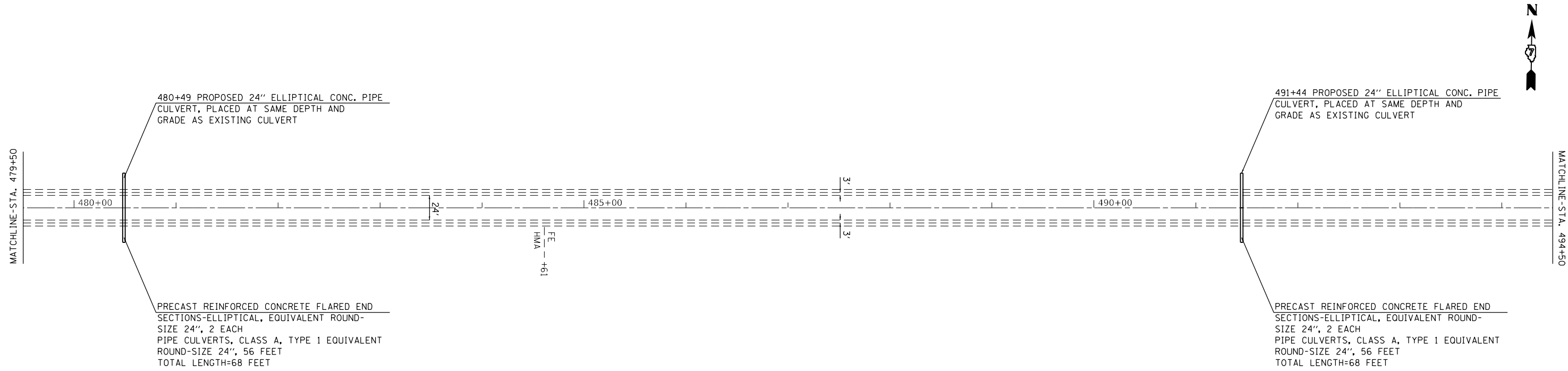
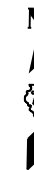
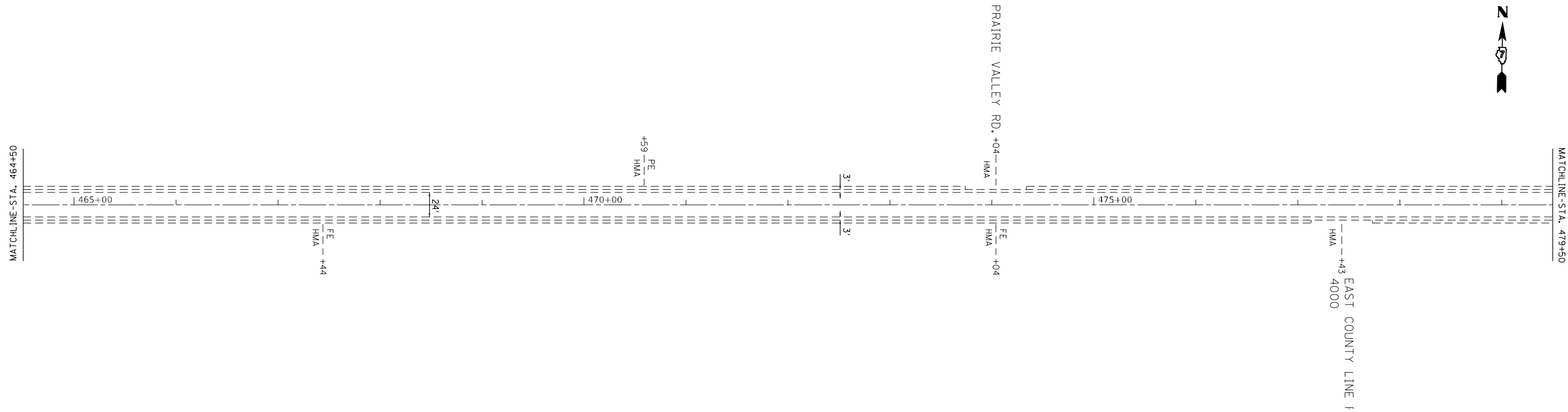
F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 24
CONTRACT NO. 74959			ILLINOIS FED. AID PROJECT	

SCALE:	SHEET 11	OF 15 SHEETS	STA.	TO STA.
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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DRAWN -	REVISIED -	
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS - US 36**

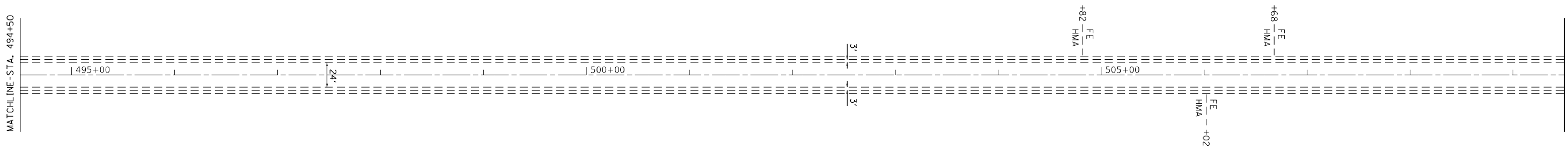
SCALE: SHEET 12 OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323/323A	(139,140)RS-4	VARIOUS	35	25
CONTRACT NO. 74959				
ILLINOIS FED. AID PROJECT				



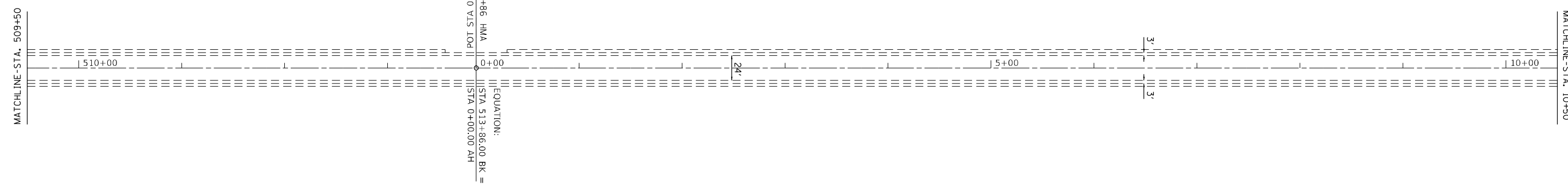
MATCHLINE-STA. 509+50

MATCHLINE-STA. 494+50



MATCHLINE-STA. 10+50

MATCHLINE-STA. 509+50



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

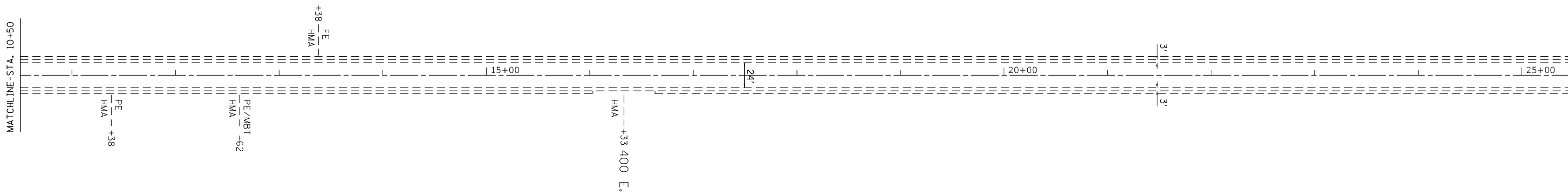
**PLAN SHEETS - US 36**

SCALE: SHEET 13 OF 15 SHEETS STA. TO STA.

F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74959	



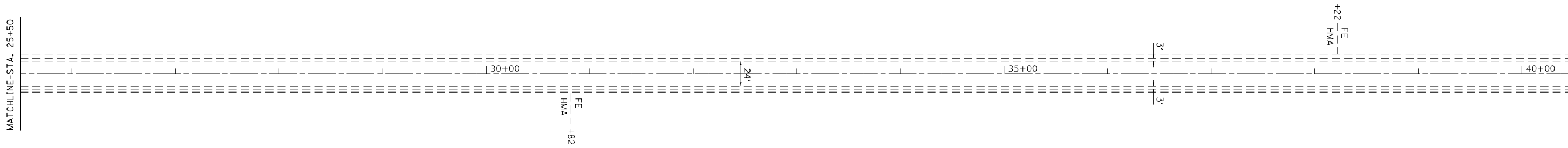
MATCHLINE-STA. 25+50



MATCHLINE-STA. 10+50



MATCHLINE-STA. 40+50



MATCHLINE-STA. 25+50

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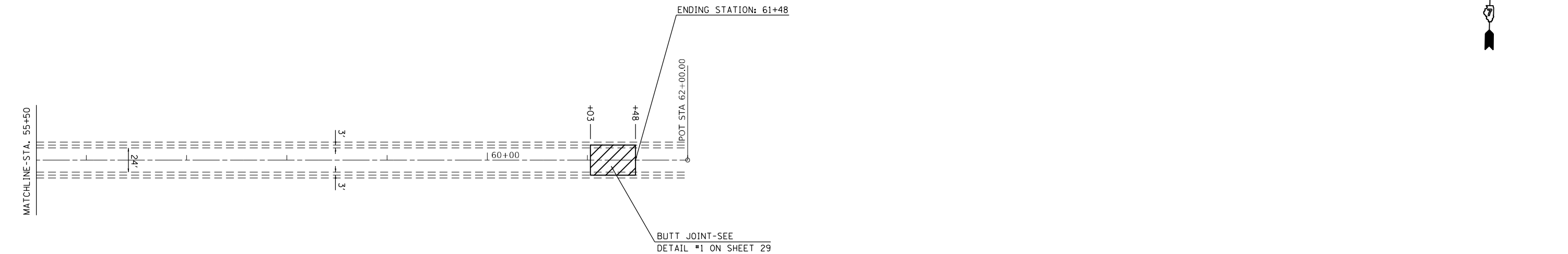
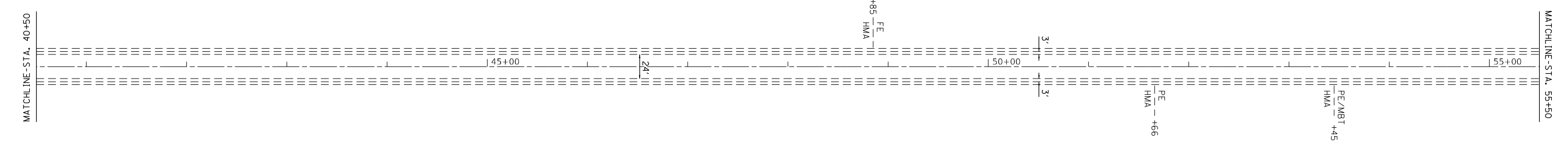
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PLOT DATE = 3/25/2022	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS - US 36**

SCALE: SHEET 14 OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
323/323A	(139,140)RS-4	VARIOUS	35	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74959	



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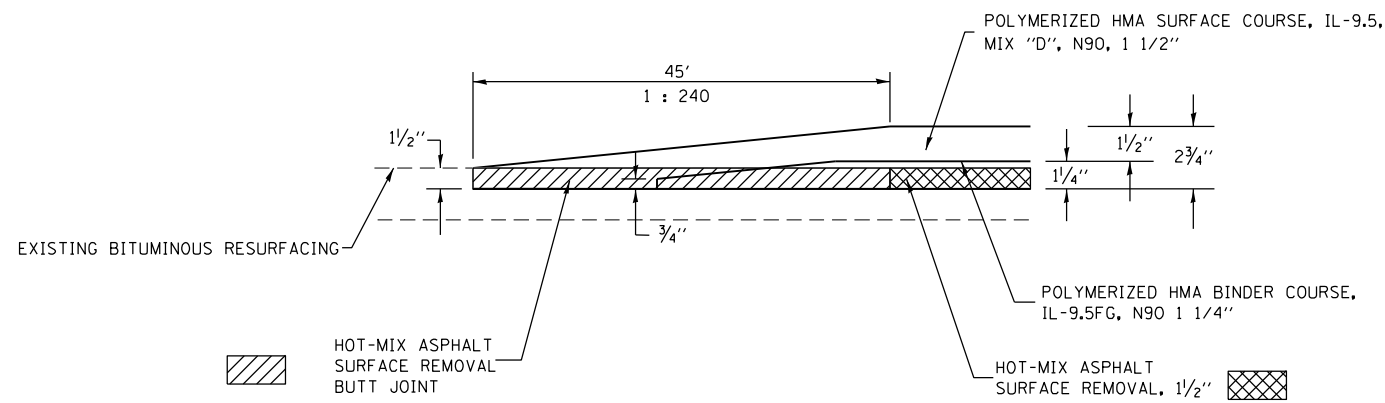
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS - US 36**

SCALE: SHEET 15 OF 15 SHEETS STA. TO STA.

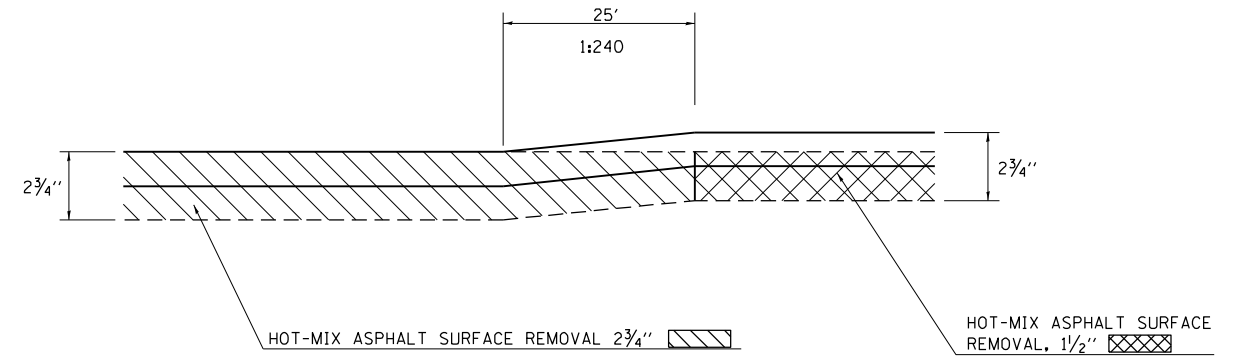
F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 28
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74959	





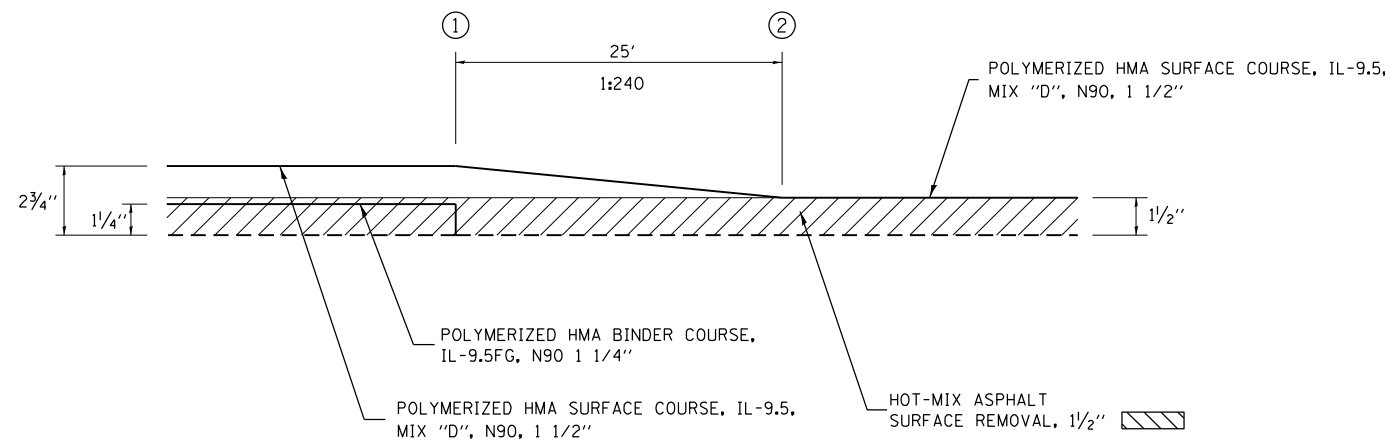
① BUTT JOINT DETAIL

STA 61+03 TO STA 61+48



② MILLING TRANSITION DETAIL

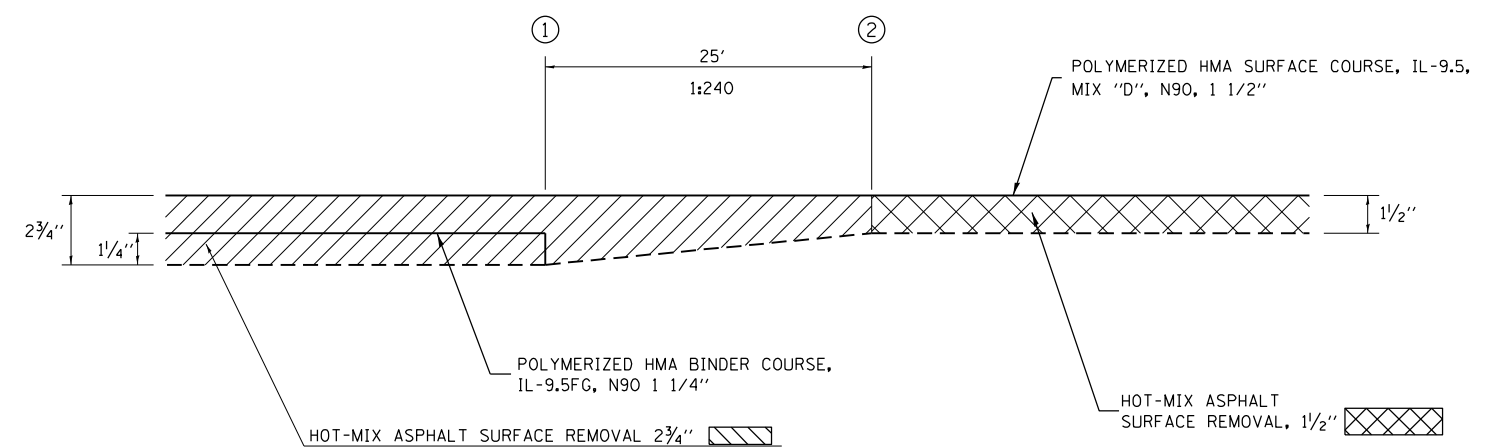
STA 204+75 TO STA 205+00



③ PAVING TRANSITION DETAIL

① STA 236+83 TO STA 237+08  
 ② STA 238+14 TO STA 237+89  
 STA 339+93 TO STA 340+18  
 STA 341+21 TO STA 340+96

THERE SHALL BE NO BINDER COURSE PUT ON THE BRIDGE DECKS OF 058-0022, AND 058-0023.



④ MILLING & PAVING TRANSITION DETAIL

① STA 186+52 TO STA 186+77  
 ② STA 188+34 TO STA 188+09

THERE SHALL BE NO BINDER COURSE PUT ON THE BRIDGE DECK OF 058-0021

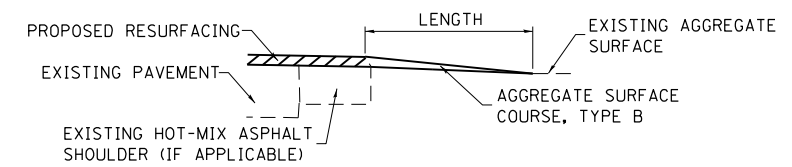
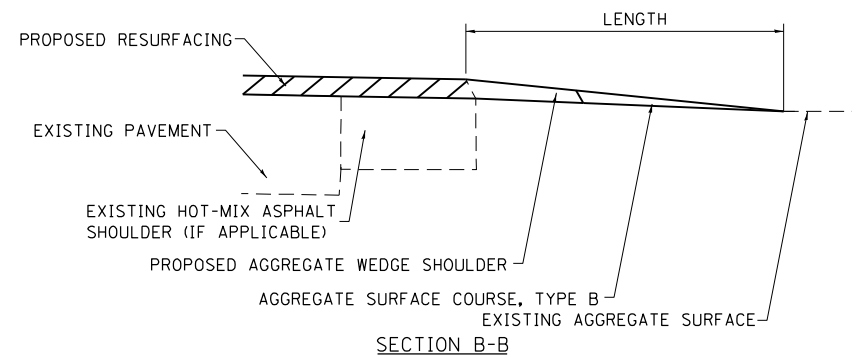
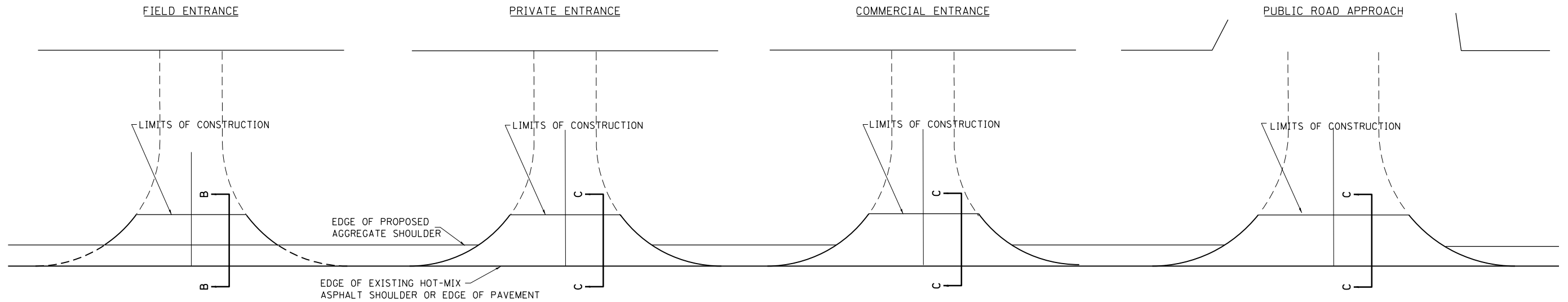
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USER NAME = steffnmk	DESIGNED -	REVISED -
DRAWN -	REVISIONS -	
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PLOT DATE = 3/23/2022	DATE -	REVISED -

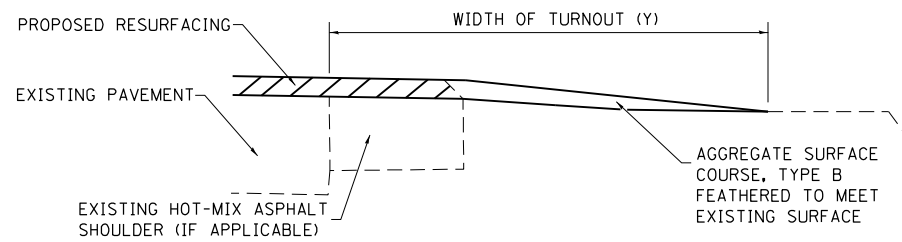
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BUTT JOINT & TRANSITION DETAILS			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 29
CONTRACT NO. 74959				
ILLINOIS FED. AID PROJECT				

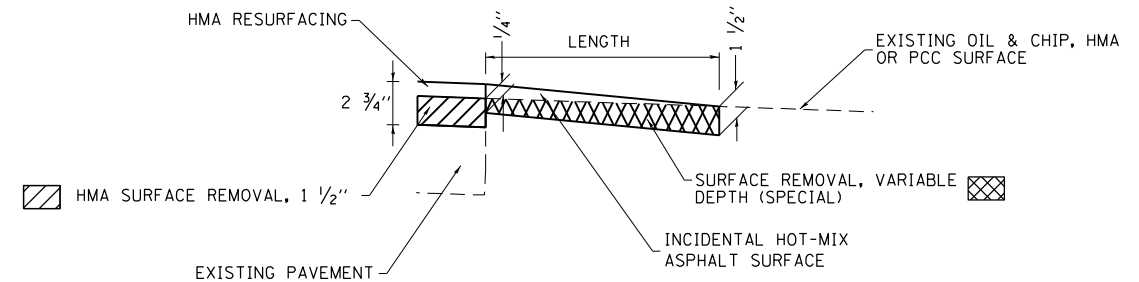


SECTION C-C



TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS



SECTION C-C

NOTES

LENGTH = 10' UNLESS OTHERWISE NOTED ON PLANS

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

MODEL: Default  
FILE: Mailbox Turnout.dwg  
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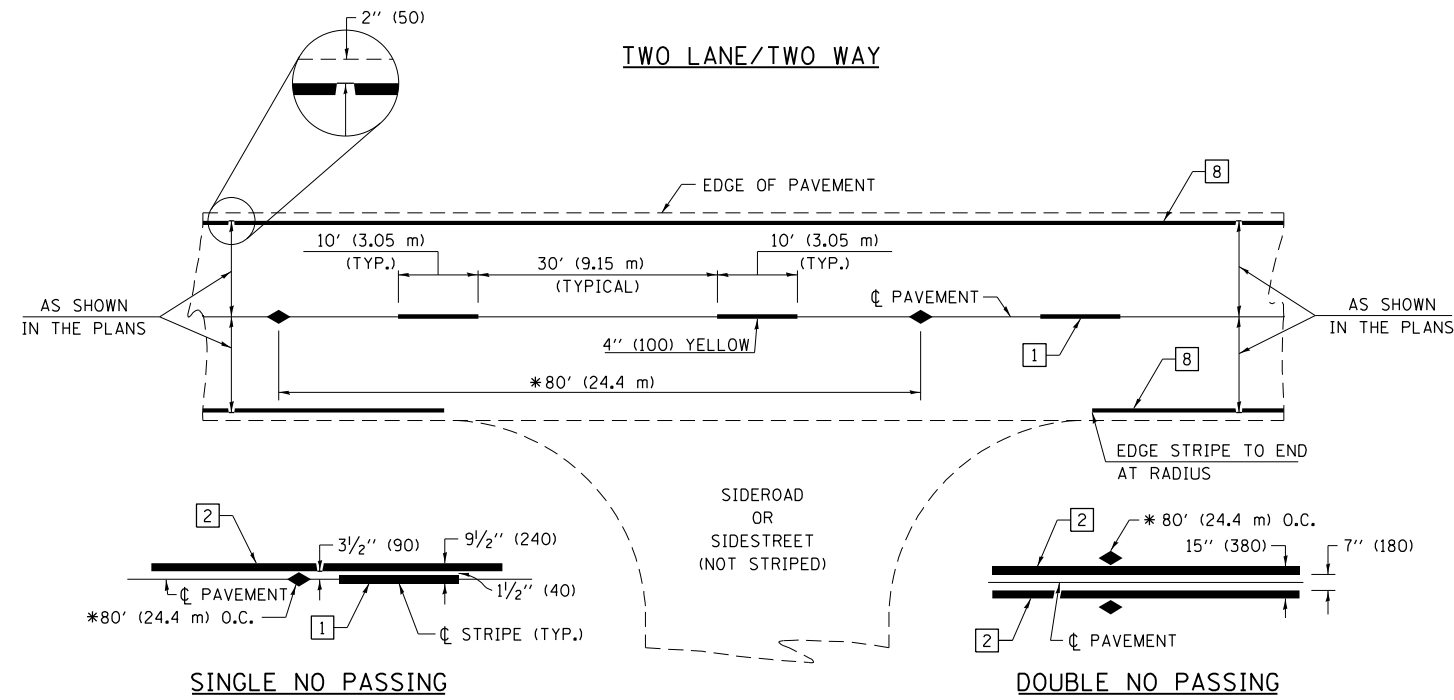
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/23/2022	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RURAL ENTRANCE AND MAILBOX TURNOUT DETAILS  
WITH SHOULDERS

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

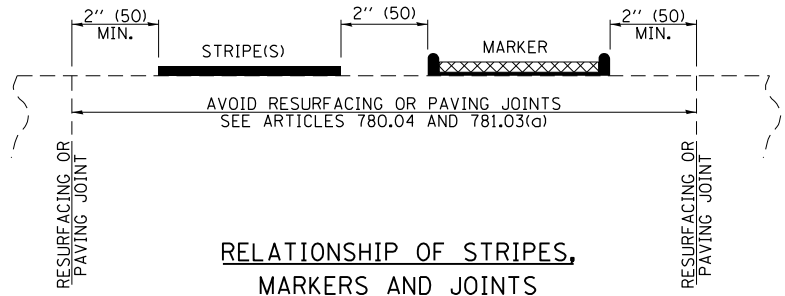
F.A.P. RTE. 323/323A	SECTION (139,140)RS-4	COUNTY VARIOUS	TOTAL SHEETS 35	SHEET NO. 30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74959	



\* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

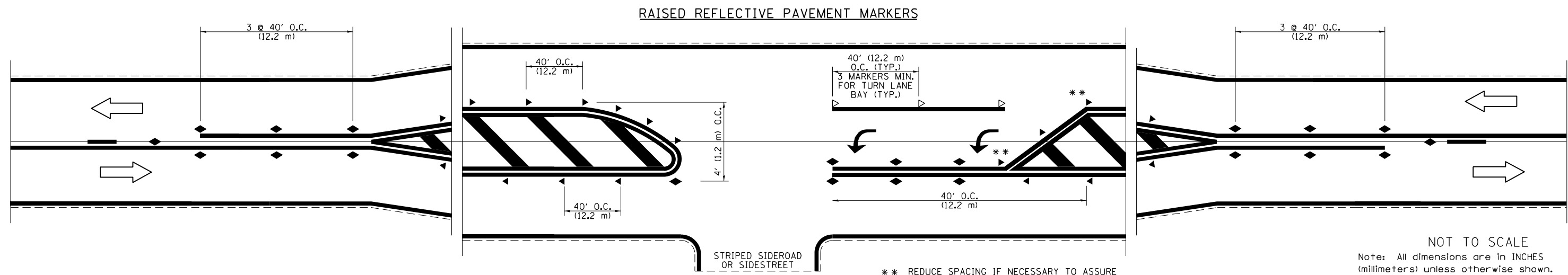
**PAVEMENT MARKING LEGEND**

- 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 RESERVED
  - 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
- 

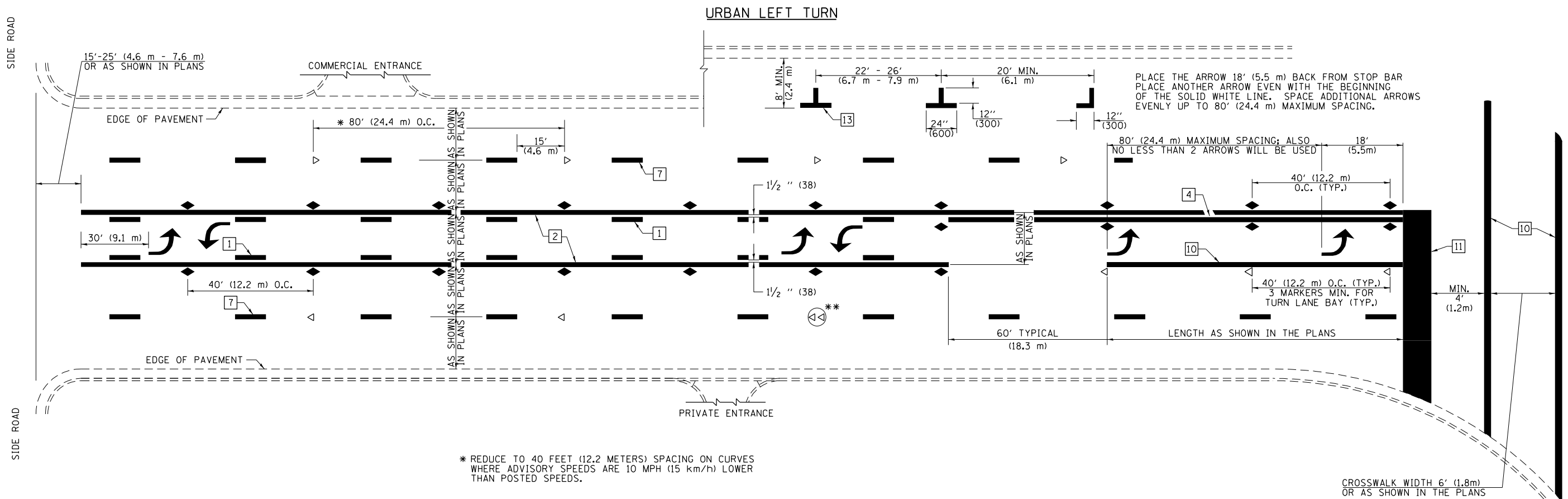


**TYPICAL PAVEMENT MARKERS LEGEND**

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



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



PLACE THE ARROW 18' (5.5 m) BACK FROM STOP BAR  
 PLACE ANOTHER ARROW EVEN WITH THE BEGINNING  
 OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS  
 EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING.

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

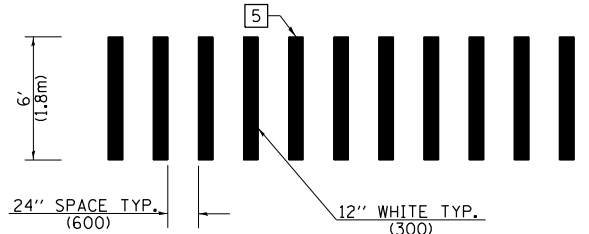
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED  
 AND SPACED AS SHOWN IN HIGHWAY STANDARD  
 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED  
 HIGHWAYS.

**PAVEMENT MARKING LEGEND**

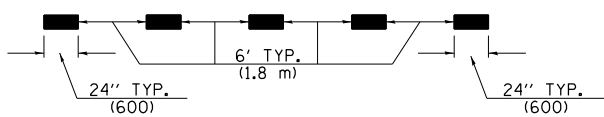
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP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

**GENERAL NOTES**

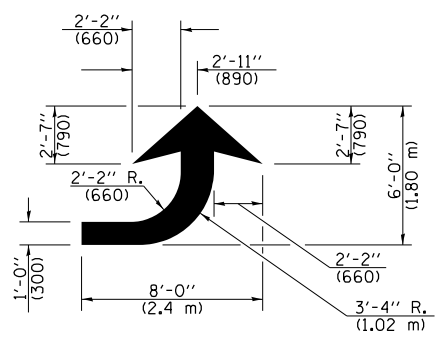
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT 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 LAST PAGE OF SECTION 780x 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)**

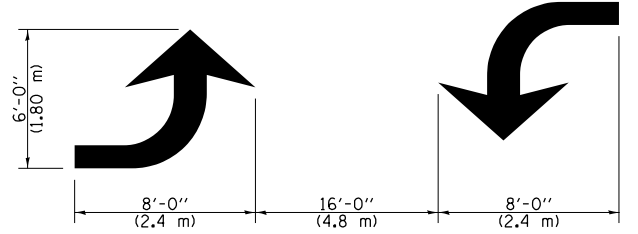


**LANE LINE EXTENSIONS**



**LEFT ARROW**

REVERSE FOR RIGHT ARROW  
 AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
 (WHITE)



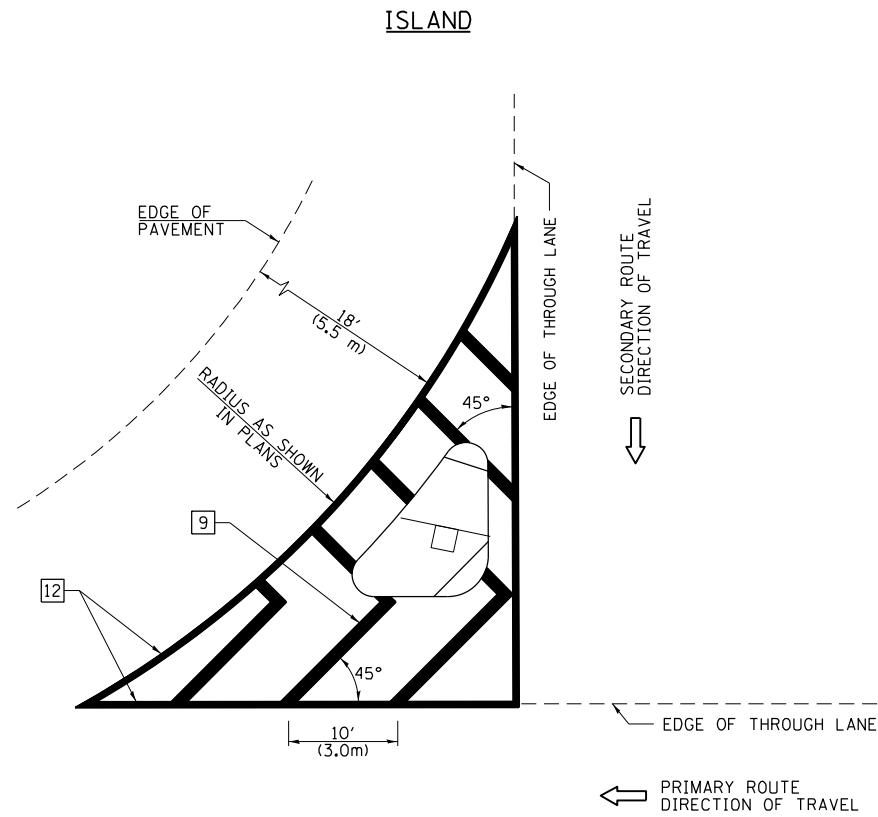
**TYPICAL DOUBLE  
 TURN ARROWS (WHITE)**

NOT TO SCALE

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

**DISTRICT 7 DETAIL NO. 7800001**

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\idot-pw\bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74959\CADD\Drawings\74959-shd-details.dgn	DRWN	REVISIONS	REVISIONS			323/323A	(139,140)RS-4	VARIOUS	35	32
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISIONS	REVISIONS			CONTRACT NO. 74959				
PLOT DATE = 3/25/2022	DATE -	REVISIONS	REVISIONS			ILLINOIS FED. AID PROJECT				

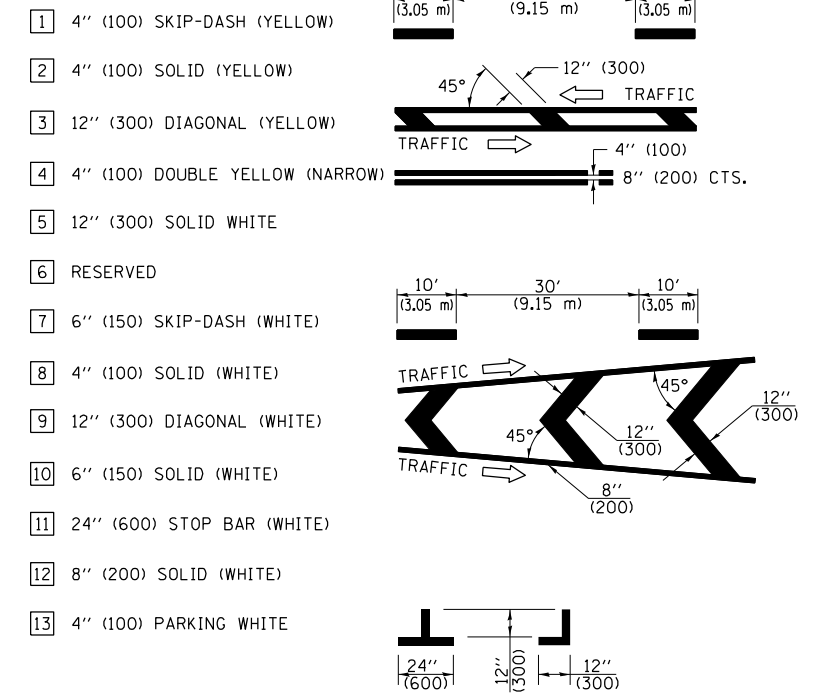


**GENERAL NOTES**

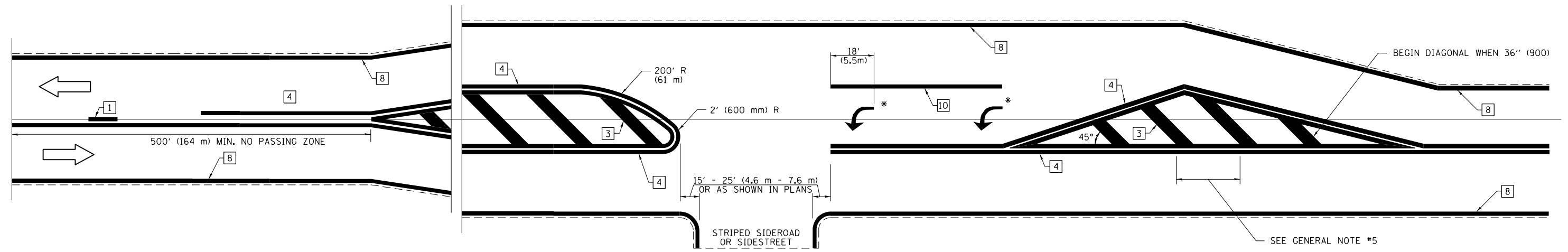
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
> 45 MPH (> 75 km/h)	30' (9.0 m)

**PAVEMENT MARKING LEGEND**



**RURAL LEFT TURN STRIPING**



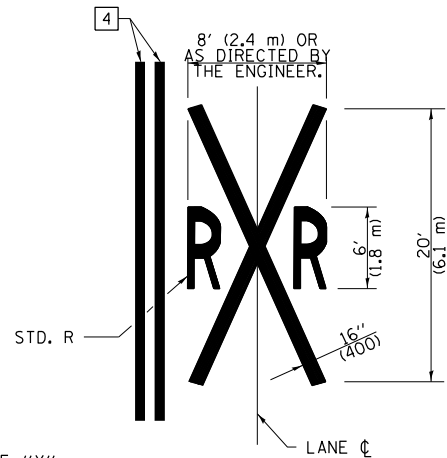
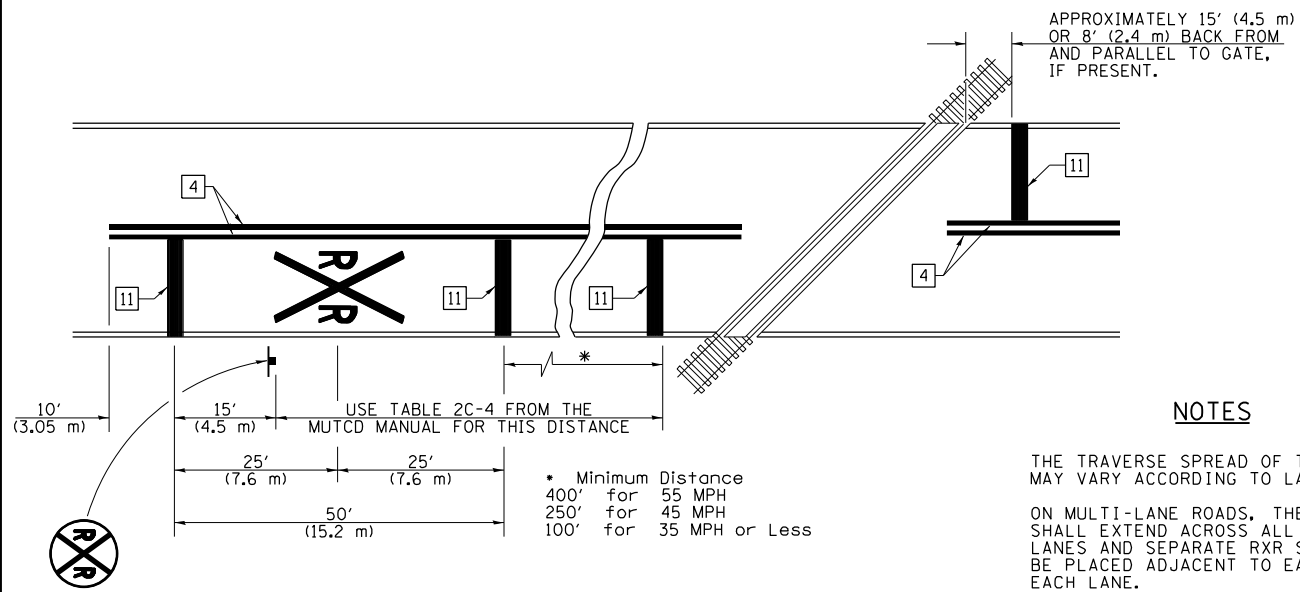
\* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

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

**DISTRICT 7 DETAIL NO. 7800001**

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74959\CADD\Drawings\Drawings\74959-shd-details.dgn	PLotted	CHECKED -	REVISED -			323/323A	(139,140)RS-4	VARIOUS	35	33
PLOT SCALE = 100.0000' / in.	DATE -	REVISED -	REVISED -			CONTRACT NO. 74959				
PLOT DATE = 3/25/2022	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

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

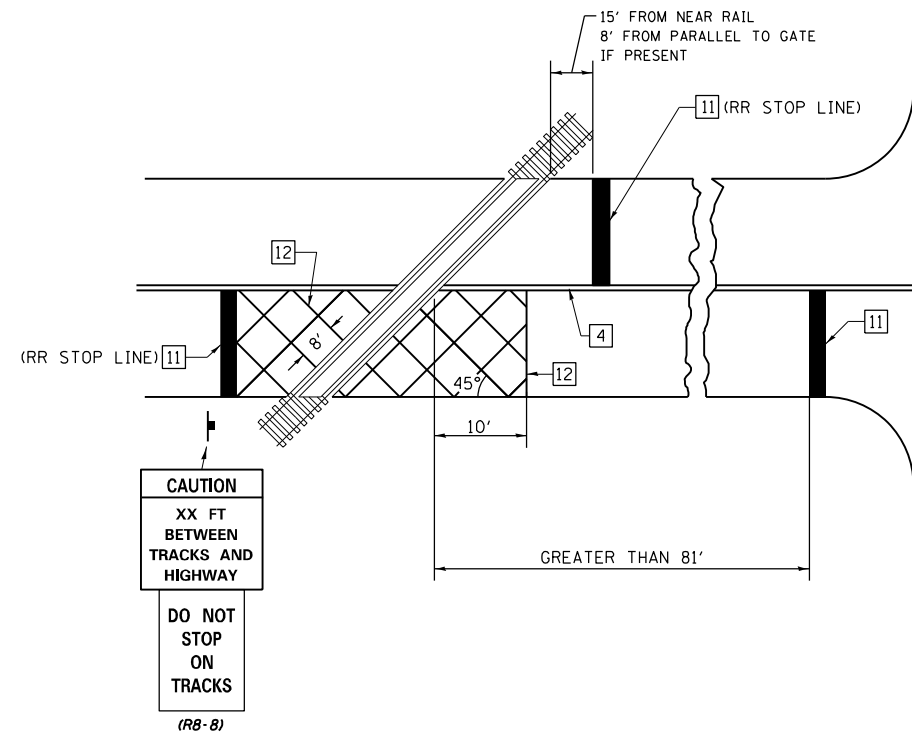
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

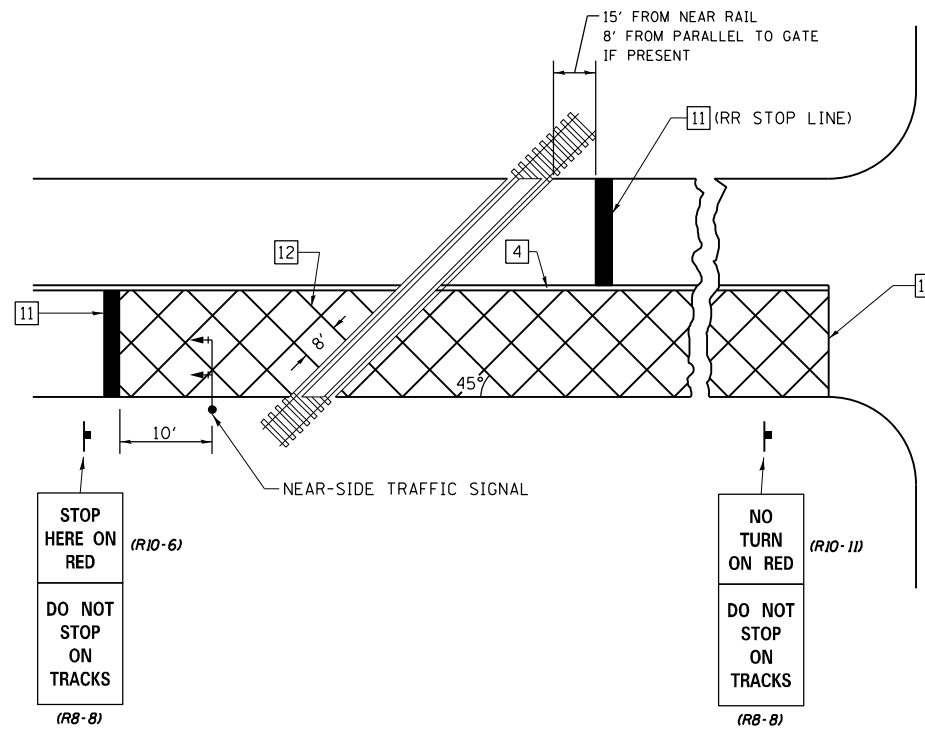
PAVEMENT MARKING LEGEND

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- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



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 NEAR-SIDE TRAFFIC SIGNALS ARE USED.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\idot-pw\bentley.com\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74959\CADD\Drawings\Sheets\0774959-shd-details.dgn	PROJECT =	CHECKED -	REVISED -			323/323A	(139,140)RS-4	VARIOUS	35	34
PLOT SCALE = 100.0000' / in.	DATE =	DATE -	REVISED -			CONTRACT NO. 74959				
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SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.

