

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

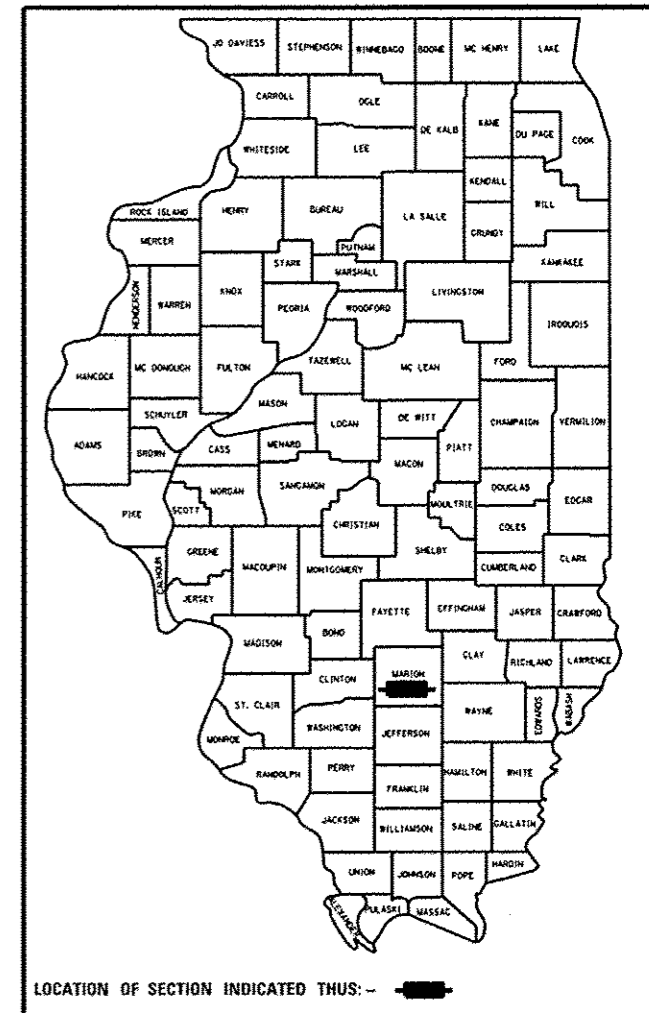
FAP ROUTE 805 / FAS ROUTE 795 (IL 161)  
SECTION (61-1-1,101,102)RS-1  
PROJECT ACF-ACRS-0005(997)  
IL 161 FROM 0.3 MI W OF I-57 TO IL-37  
RESURFACING - 3P  
MARION COUNTY

C-98-019-14

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	1
ILLINOIS			CONTRACT NO. 76G93	

\*FAP 805/FAS 795

D-98-019-14



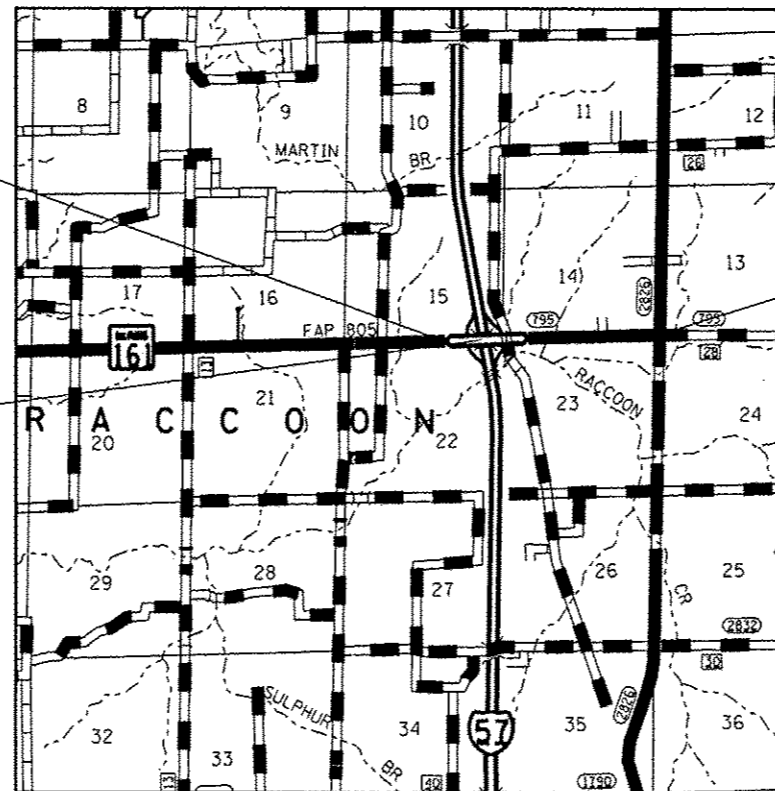
FOR INDEX OF SHEETS, SEE SHEET NO. 2



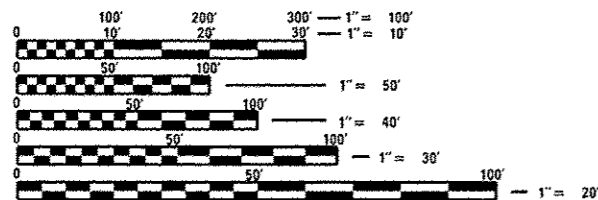
**BEGIN PROJECT**  
STA. 481 + 20  
LAT: 38.519760  
LONG: -88.967239

**BRIDGE OMISSION**  
S.N. 061-0017  
STA. 495 + 30 - 497 + 60

**END PROJECT**  
STA. 556 + 60  
LAT: 38.520562  
LONG: -88.940931



NOT TO SCALE



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: TIM PADGETT 618-346-3325  
PROJECT MANAGER: PHILIP COPPERNOLL 618-346-3480

CONTRACT NO. 76G93

GROSS LENGTH = 7540.00 FT. = 1.428 MILE  
NET LENGTH = 7310.00 FT. = 1.384 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED April 30 20 14  
Jeffrey Z. King  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

June 27 20 14  
John D. Baranzelli, P.E.  
acting ENGINEER OF DESIGN AND ENVIRONMENT

June 27 20 14  
Omer Osman, P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT LIMITS BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- \*AMEREN ILLINOIS - GAS & ELECTRIC
- \*AT&T ILLINOIS - COMMUNICATIONS
- \*CHARTER COMMUNICATIONS, INC. - COMMUNICATIONS
- \*RACCOON WATER COMPANY - WATER
- \*TRI-COUNTY ELECTRIC COOPERATIVE, INC. - ELECTRIC

MEMBERS OF J.U.L.I.E. [(800) 892-0123 OR 811] ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
3. THE CONTRACTOR AND ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
4. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED UNLESS THE CONTRACTOR IS WORKING AT NIGHT.
5. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS AND RAMP, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE, 48" X 48".
6. PROPOSED PAVEMENT MARKINGS SHALL BE PLACED IN THE SAME LOCATIONS AS EXISTING AS DIRECTED BY THE RESIDENT ENGINEER.
7. SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, AND FINAL BITUMINOUS SURFACE. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL - SQ. FT.
8. FLAGGERS SHALL BE REQUIRED AT ALL TIMES DURING PATCHING OPERATIONS.
9. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES UNLESS OTHERWISE NOTED IN THE PLANS.
10. THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
11. ALL TURF AREAS DISTURBED FOR ANY REASON OUTSIDE THE AREAS OF CONSTRUCTION SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
12. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	F.D. PATCHING	INCIDENTAL HMA	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	**2.0% @ Ndes=30
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0 F.G.	IL 9.5	NMAS 3/4"
FRICITION AGG	MIXTURE "D"	MIXTURE "B"	MIXTURE "C"	

\*\*Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids to 1.5%.

Plan quantities for HMA Surface Course Items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

13. THE CONTRACTOR SHALL SCHEDULE HIS/HER MILLING AND PAVING OPERATIONS TO AVOID AN ELEVATION DIFFERENCE GREATER THAN 2" BETWEEN LANES.
14. THE CONTRACTOR SHALL MILL THE PAVEMENT BETWEEN STATION 481+00 AND 517+00 BEFORE PATCHING.

15. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR I.T.S. UTILITIES WITHIN THE PROJEC TLIMITS. IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, ADN IF THESE ITEMS REOURJE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
16. AN ADDITIONAL FLAGGER WILL BE REQUIRED AT EACH SIDE ROAD AND RAMP WHILE TWO-WAY TRAFFIC IS MAINTAINED ON ONE LANE OF PAVEMENT ACCORDING TO ARTICLE 701.13 OF THE STANDARD SPECIFICATIONS.

**INDEX OF SHEETS**

1	COVER SHEET
2	GENERAL NOTES, HIGHWAY STANDARDS, ADT, COMMITMENTS, INDEX OF SHEETS
3 - 4	SUMMARY OF QUANTITIES
5 - 6	TYPICAL SECTIONS
7 - 9	SCHEDULES OF QUANTITIES
10 - 15	PLAN SHEETS
16 - 21	PAVEMENT MARKING SHEETS
22 - 25	DETAIL SHEETS

**COMMITMENTS**

NONE

**ADT**

BEGINNING OF PROJECT THRU I-57 INTERCHANGE  
 (2013) ACTUAL = 5550  
 (2014) ESTIMATED = 5600  
 (2024) ESTIMATED = 6100  
 SU = 3.1%  
 MU = 3.2%

I-57 INTERCHANGE TO IL 37  
 (2013) ACTUAL = 4150  
 (2014) ESTIMATED = 4200  
 (2024) ESTIMATED = 4600  
 SU = 3.4%  
 MU = 2.4%

**HIGHWAY STANDARDS**

000001-06	701301-04
001001-02	701306-03
001006	701311-03
442201-03	701336-06
642006	701901-03
701011-04	780001-04
701201-04	781001-03
701206-03	

FILE NAME =	USER NAME = aonavrpj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, HIGHWAY STANDARDS, ADT, COMMITMENTS, INDEX OF SHEETS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
at\pr\work\pvidat\conavrpj\037417B.dwg	6/9/2014-11:59:00 AM	DRAWN -	REVISED -			*	(61-1-1),101,102,1RS-1	MARION	25	2	
PLOT SCALE = 100.0000' / in	CHECKED -	REVISED -				CONTRACT NO. 76G93					
PLOT DATE = 5/7/2014	DATE -	REVISED -				SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

\*FAP 805/FAS 795

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80%/20% FED / STATE	
				FAP 805	FAS 795
				ROADWAY 0005 RURAL	ROADWAY 0005 RURAL
<del>40600200</del>	<del>BITUMINOUS MATERIALS (PRIME COAT)</del>	<del>TON</del>	<del>10.5</del>	<del>5.3</del>	<del>5.2</del>
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	15,100	7622	7478
<del>40600300</del>	<del>AGGREGATE (PRIME COAT)</del>	<del>TON</del>	<del>37</del>	<del>17</del>	<del>20</del>
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	633	633	0
40600990	TEMPORARY RAMP	SO YD	360	267	93
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3545	1848	1697
<del>40800020</del>	<del>BITUMINOUS MATERIALS (PRIME COAT)</del>	<del>TON</del>	<del>0.1</del>	<del>0.1</del>	<del>0</del>
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	50	50	0
<del>40800030</del>	<del>AGGREGATE (PRIME COAT)</del>	<del>TON</del>	<del>1</del>	<del>1</del>	<del>0</del>
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	8	8	0
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	19216	16326	2890
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	13805	0	13805
44200089	PAVEMENT PATCHING, TYPE I, 8 INCH	SO YD	10	10	0
44200094	PAVEMENT PATCHING, TYPE II, 8 INCH	SO YD	217	146	71
44200099	PAVEMENT PATCHING, TYPE III, 8 INCH	SO YD	232	209	23
44200101	PAVEMENT PATCHING, TYPE IV, 8 INCH	SO YD	1907	1669	238

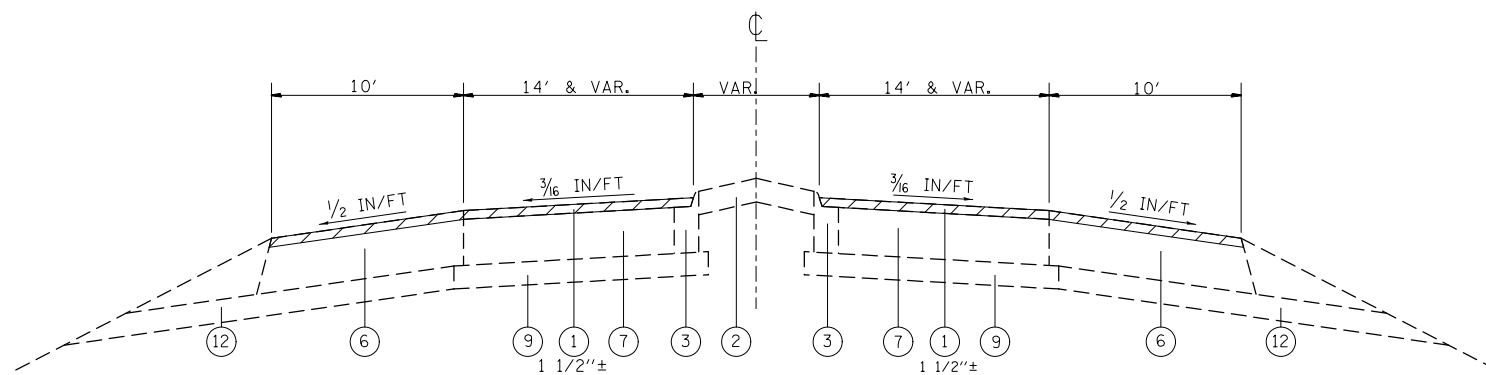
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				FAP 805	FAS 795
				ROADWAY 0005 RURAL	ROADWAY 0005 RURAL
44200152	PAVEMENT PATCHING, TYPE I, 13 INCH	SO YD	5	0	5
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SO YD	15	0	15
44200160	PAVEMENT PATCHING, TYPE III, 13 INCH	SO YD	25	0	25
44200162	PAVEMENT PATCHING, TYPE IV, 13 INCH	SO YD	39	0	39
44200201	PAVEMENT PATCHING, TYPE I, 17 INCH	SO YD	5	0	5
44200202	PAVEMENT PATCHING, TYPE II, 17 INCH	SO YD	15	0	15
44200204	PAVEMENT PATCHING, TYPE III, 17 INCH	SO YD	25	0	25
44200206	PAVEMENT PATCHING, TYPE IV, 17 INCH	SO YD	25	0	25
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	530	205	325
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1320	872	448
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	12186	4826	7360
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	4	4
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD T01201	L SUM	1	0.5	0.5

FILE NAME =	USER NAME = gconverpj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
g:\p\work\p\dot\gconverpj\480374178\48	g\g\dot\gconverpj\480374178\48	DRAWN -	REVISED -					61-1-1.101.1021R5-1	MARION	25	3	
PLOT SCALE = 1/8" = 1'	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 76G93							
PLOT DATE = 5/7/2014	DATE -	REVISED -	REVISED -		SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80%/20% FED./STATE	
				FAP 805 ROADWAY 0005 RURAL	FAS 795 ROADWAY 0005 RURAL
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	0.5	0.5
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.5	0.5
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.5	0.5
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	0.5	0.5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2316	1356	960
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	94	94	0
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	23815	12538	11277
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	60	60	0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	258	98	160
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	94	94	0
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	23815	12538	11277
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	60	60	0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	118	37	81
* 78200300	PRISMATIC CURB REFLECTOR	EACH	153	153	0

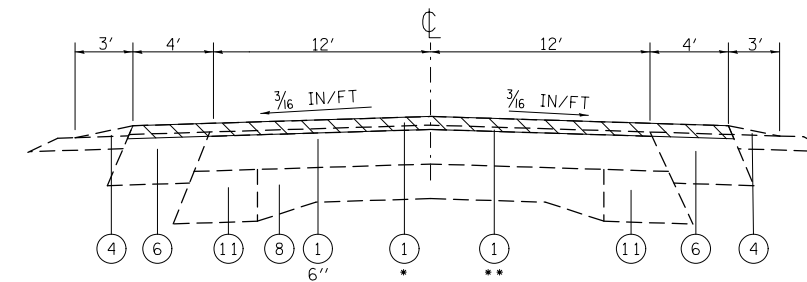
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				FAP 805 ROADWAY 0005 RURAL	FAS 795 ROADWAY 0005 RURAL
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	78	19	59
* 20035200	PAINT CURB	FOOT	464	464	0
φ 20076600	TRAINEES	HOOR	500	250	250
φ 20076604	TRAINEES TRAINING PROGRAM GRADUATE	HOOR	500	250	250

\* SPECIALTY ITEMS  
φ 0042

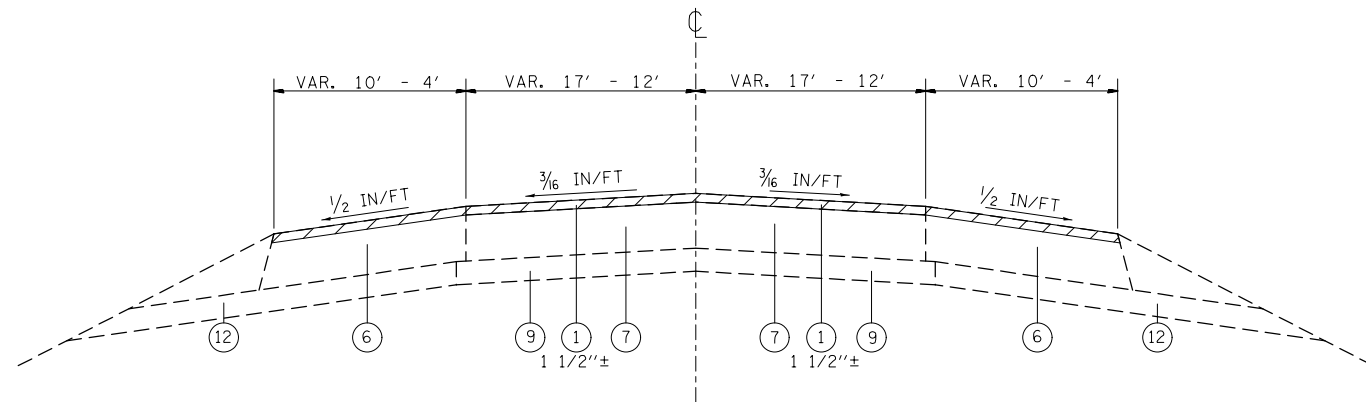


THE INTENT IS TO MILL DOWN TO BARE CONCRETE ON THE MAINLINE.

STA. 481+00 TO STA. 509+35  
BRIDGE OMISSION STA. 495+30 - 497+60

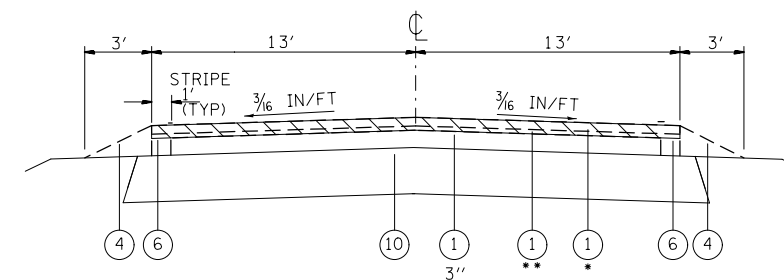


STA. 517+00 TO STA. 550+86



THE INTENT IS TO MILL DOWN TO BARE CONCRETE ON THE MAINLINE.

STA. 509+35 TO STA. 517+00



STA. 550+86 TO STA. 556+60

**LEGEND**

- ① EXISTING RESURFACING
- ② EXISTING P.C.C. MEDIAN SURFACE (4")
- ③ EXISTING CONCRETE CURB TYPE B-6.06
- ④ EXISTING AGGREGATE SHOULDER TYPE B
- ⑤ EXISTING H.M.A. SHOULDER (8 3/4" TO 12")
- ⑥ EXISTING STABILIZED SHOULDER
- ⑦ EXISTING P.C.C. PAVEMENT (8")
- ⑧ EXISTING 9-6-9 PAVEMENT
- ⑨ EXISTING STABILIZED SUB BASE (4")
- ⑩ EXISTING BASE COURSE (8")
- ⑪ EXISTING BASE COURSE WIDENING (9")
- ⑫ EXISTING SUB-BASE GRANULAR MATERIAL, TYPE C (4")
- ⑬ PROPOSED HMA SURFACE COURSE, MIX D, N70, 2 1/4"
- ⑭ PROPOSED HMA SHOULDERS, 2 1/4"
- ⑮ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

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	PLOT DATE = 5/7/2014	DATE -	REVISED -

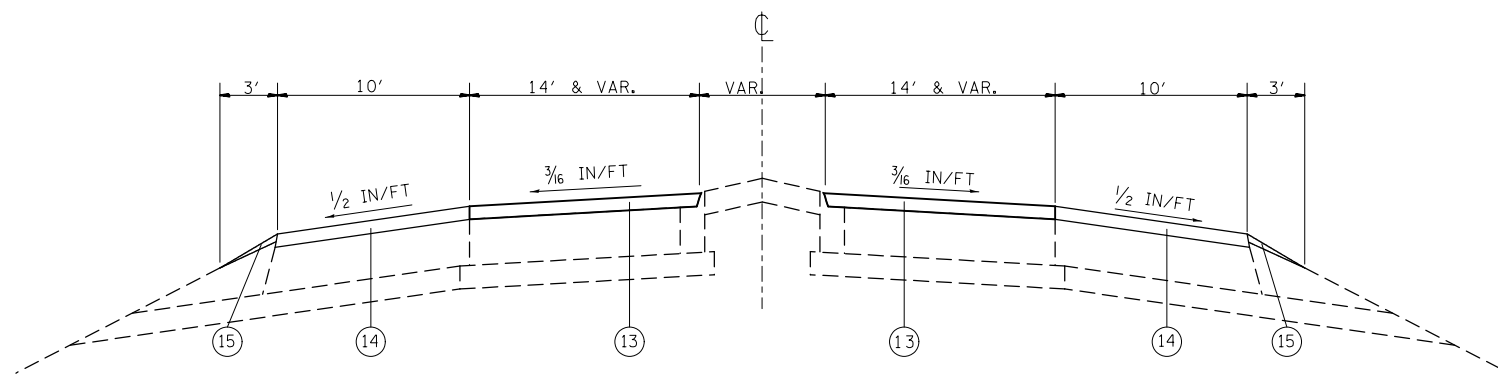
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING TYPICAL SECTIONS**

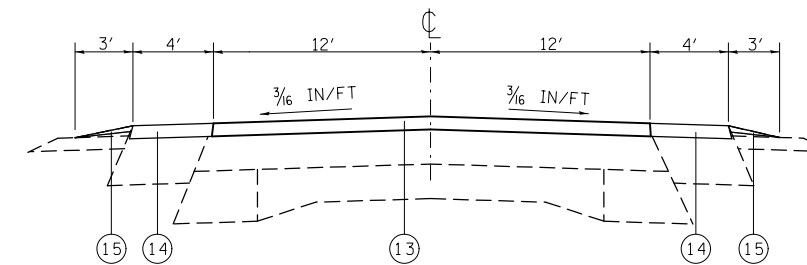
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•FAP 805/FAS 795

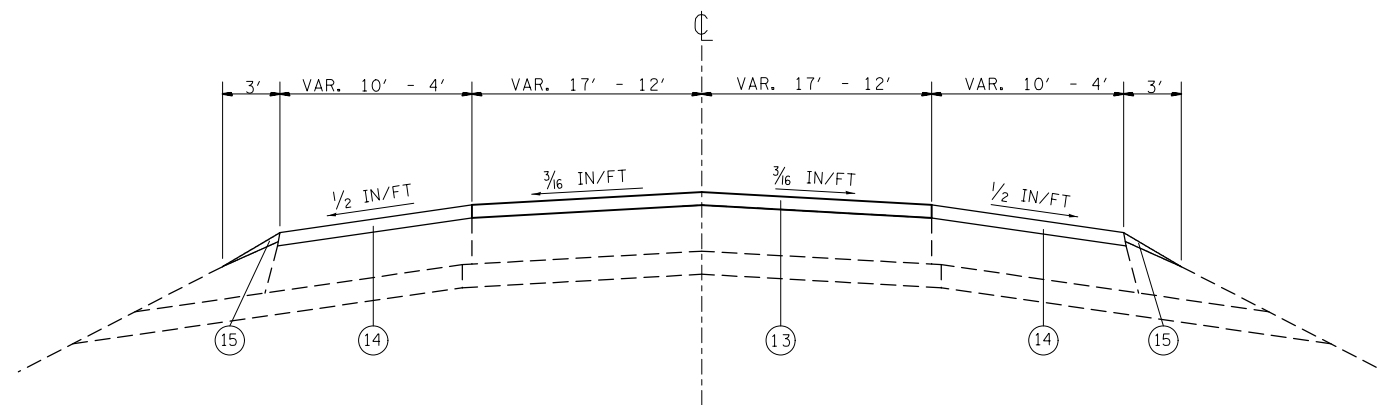
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



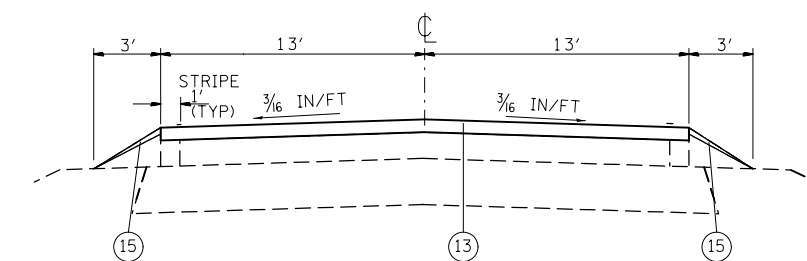
STA. 481+00 TO STA. 509+35  
BRIDGE OMISSION STA. 495+30 - 497+60



STA. 517+00 TO STA. 550+86



STA. 509+35 TO STA. 517+00



STA. 550+86 TO STA. 556+60

**LEGEND**

- ① EXISTING RESURFACING
- ② EXISTING P.C.C. MEDIAN SURFACE (4")
- ③ EXISTING CONCRETE CURB TYPE B-6.06
- ④ EXISTING AGGREGATE SHOULDER TYPE B
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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 5/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TYPICAL SECTIONS**

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

•FAP 805/FAS 795

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(61-1-1,101,102)RS-1	MARION	25	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76G93	

MAINLINE RESURFACING											
LOCATION		HMA SURF REMOVAL, BUTT JOINT	TEMP. RAMPS	HMA SURF REMOVAL, 1 1/2"	HMA SURF REMOVAL, 2 1/4"	BITUMINOUS MATERIALS (PC)	AGGREGATE (PC)	HMA SURFACE COURSE, MIX D, N70	BITUMINOUS MATERIALS (PC)	AGGREGATE (PC)	INCIDENTAL HMA SURFACING
		SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	TON	TON
481+00 - 484+80	LT & RT	54.4	13.9	1250.00		0.41	1.9	181.8			
484+80 - 495+30	LT	31.1	7.8	2054.2		0.65	3.1	291.9			
484+80 - 486+49	RT			328.6		0.10	0.5	414.1			
486+49 - 495+30	RT	31.1	7.8	1339.3		0.43	2.1	191.9			
MEDIAN OPENING	RAMPS A/D			214.3		0.07	0.3	30.0			
497+60 - 506+67	LT	31.1	7.8	1379.8		0.44	2.1	197.5			
497+60 - 509+35	RT	31.1	7.8	2269.4		0.72	3.4	322.1			
506+67 - 509+35	LT			439.2		0.14	1.3	61.5			
MEDIAN OPENING	RAMPS B/C			177.0		0.06	0.3	24.8			
MEDIAN OPENING	OLD SALEM			136.0		0.04	0.2	19.0			
509+35 - 517+00	LT & RT			2422.5		0.76	3.6	339.2			
517+00 - 551+35	LT & RT				9160.0	2.87	13.7	1154.2			
551+35 - 555+70	LT & RT				1256.7	0.39	1.9	158.3			
555+70 - 556+60	LT & RT		60.0		352.6	0.11	0.5	44.4			
RAMP A		52.5	49.4	138.9		0.06	0.3	27.9			
RAMP B		41.4	36.1	157.8		0.06	0.3	28.2			
RAMP C		51.7	47.2	148.9		0.06	0.3	29.1			
RAMP D		52.2	48.3	149.4		0.06	0.3	28.2			
OLD SALEM RD.		45.3	73.3	126.1					0.02	0.2	6.4
ENTRANCES									0.03	0.3	1.5
TOTALS		421.9	359.4	12731.4	10769.3	7.43	36.1	3544.1	0.05	0.5	7.9

SHOULDER RESURFACING								
LOCATION		HMA SURF REMOVAL, BUTT JOINT	HMA SURF REMOVAL, 1 1/2"	HMA SURF REMOVAL, 2 1/4"	BITUMINOUS MATERIALS (PC)	HMA SHOULDERS	SHOULDER RUMBLE STRIPS, 8"	AGG WEDGE SHOULDER, TYPE B
		SQ YD	SQ YD	SQ YD	TON	TON	FOOT	TON
481+00 - 488+56	LT	22.2	817.8		0.26	117.6	624	26.4
481+00 - 488+92	RT	22.2	857.8		0.28	123.2	378	20.8
489+74 - 495+25	LT	18.3	567.8		0.18	82.1	518	21.0
489+92 - 495+34	RT	11.1	580.0		0.18	82.8	532	20.7
497+55 - 503+07	LT	12.2	591.1		0.19	84.5	540	20.7
497+64 - 503+17	RT	16.7	588.9		0.19	84.8	534	21.4
504+08 - 504+91	LT		60.7		0.02	8.5		
504+00 - 504+99	RT		64.3		0.02	9.0		
505+57 - 514+00	LT		936.7		0.29	131.1	843	33.5
505+43 - 514+00	RT		952.2		0.30	133.3	857	33.3
514+00 - 517+00	LT		233.3		0.07	32.7	300	11.7
514+00 - 517+00	RT		233.3		0.07	32.7	300	11.7
517+00 - 550+80	LT			1502.2	0.47	189.3	3380	131.4
517+00 - 550+80	RT			1502.2	0.47	189.3	3380	131.4
550+80 - 551+35	LT			15.3	0.01	1.9		19.1
550+80 - 551+35	RT			15.3	0.01	1.9		19.1
RAMP A	LT & RT	24.7			0.01	3.5		0.9
RAMP B	LT & RT	34.8			0.01	4.9		2.2
RAMP C	LT & RT	29.4			0.01	4.1		2.9
RAMP D	LT & RT	18.7			0.01	2.6		0.7
OLD SALEM RD.	LT & RT							0.4
TOTALS		210.3	6483.9	3035.0	3.05	1319.8	12186	529.3

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULES OF QUANTITIES**

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

\*FAP 805/FAS 795

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(61-1-1,101,102)RS-1	MARION	25	7
CONTRACT NO. 76G93			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

THERMOPLASTIC PAVEMENT MARKING											
LOCATION	LINE - 4"									LINE - 12"	L & S
	CENTERLINE		TURN LANE	MEDIAN	EDGELINE				MEDIAN	TURN	
	DOUBLE - SOLID YELLOW		DASHED YELLOW	SOLID WHITE	SOLID YELLOW	SOLID YELLOW		SOLID WHITE	DOUBLE YELLOW	ARROWS	
	RT	LT			RT	LT	RT	LT		WHITE	
	FOOT		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
481+00 - 484+80	1000	760						378	378	60	
484+80 - 489+59					970			372	401		
489+59 - 495+30				241	987			536	545		46.8
497+60 - 503+00				240	994			534	540		46.8
503+00 - 505+00					323			46			
505+00 - 509+35					790			379	387		
509+10 - 514+55	1040	1090						525	525		
514+55 - 556+60			1050					4206	4205		
RAMP A							20	56			
RAMP B						27			97		
RAMP C						23			87		
RAMP D							20	43			
SUB-TOTALS	2040	1850	1050	481	4064	50	40	7075	7165	60	93.6
TOTAL	23815										

LOCATION	PRISMATIC CURB REFLECTOR	PAINT CURB
	EACH	FOOT
MEDIAN 1	30	116
MEDIAN 2		
WEST SIDE	44	58
EAST SIDE	40	58
MEDIAN 3	14	116
MEDIAN 4	25	116
TOTALS	153	464

RAISED REFLECTIVE PAVEMENT MARKERS					
LOCATION	COMMENTS	1-WAY AMBER	2-WAY AMBER	1-WAY CRYSTAL	REMOVAL
		EACH	EACH	EACH	EACH
481+00 - 484+80	LT. STRIPED MEDIAN	10			5
481+00 - 486+00	RT. STRIPED MEDIAN	13			
490+41.10 - 492+82.10	LT. TURN LANE			7	
500+13 - 502+53	LT. TURN LANE			7	
509+36 - 514+55	STRIPED MEDIAN	28			
514+55 - 556+60	CENTERLINE		53		28
SUB-TOTALS		51	53	14	78
TOTALS		118			

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

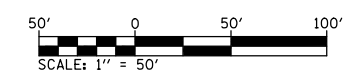
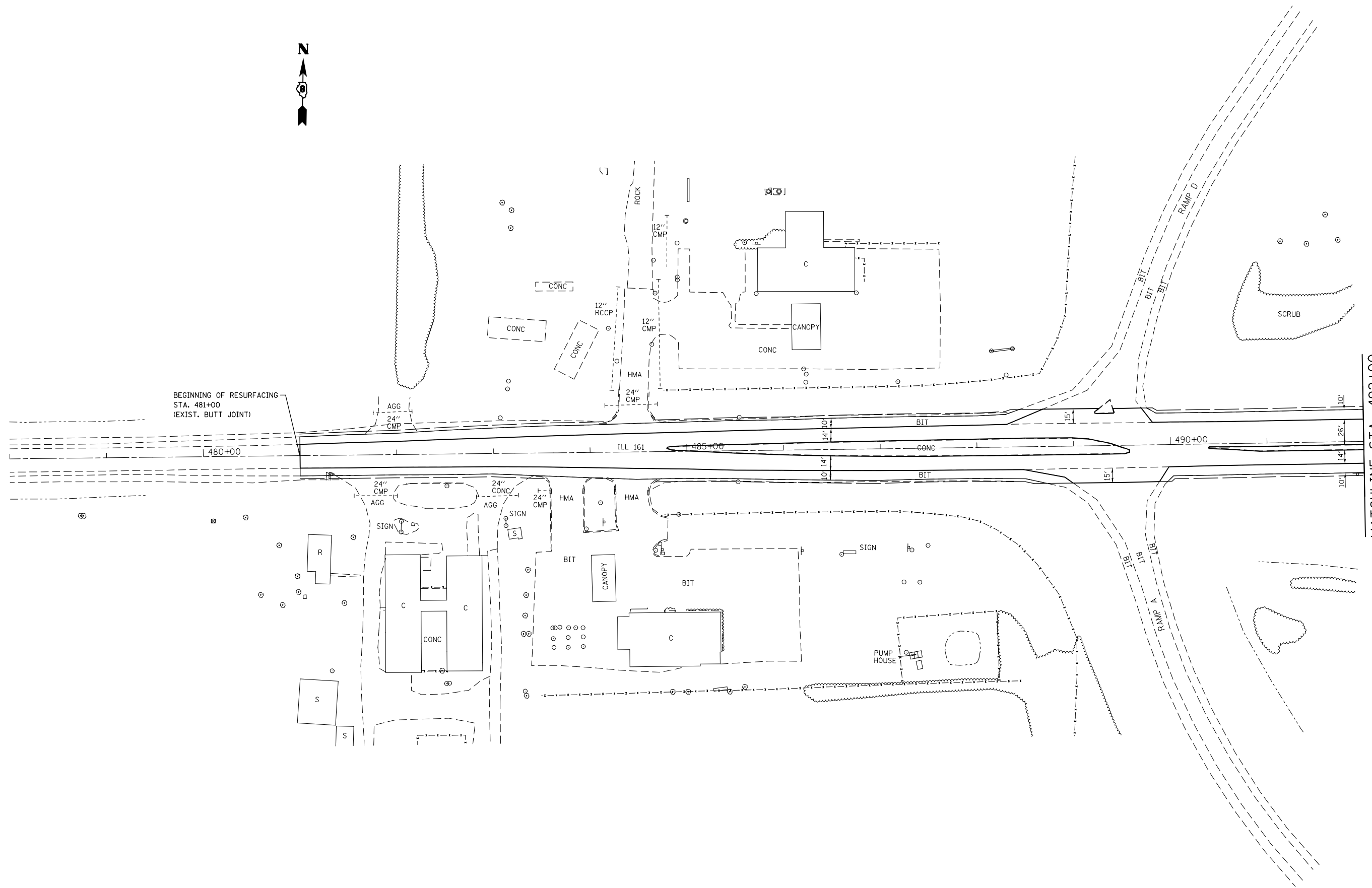
SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

\*FAP 805/FAS 795

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(61-1-1,101,102)RS-1	MARION	25	8
CONTRACT NO. 76G93				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				







•FAP 805/FAS 795

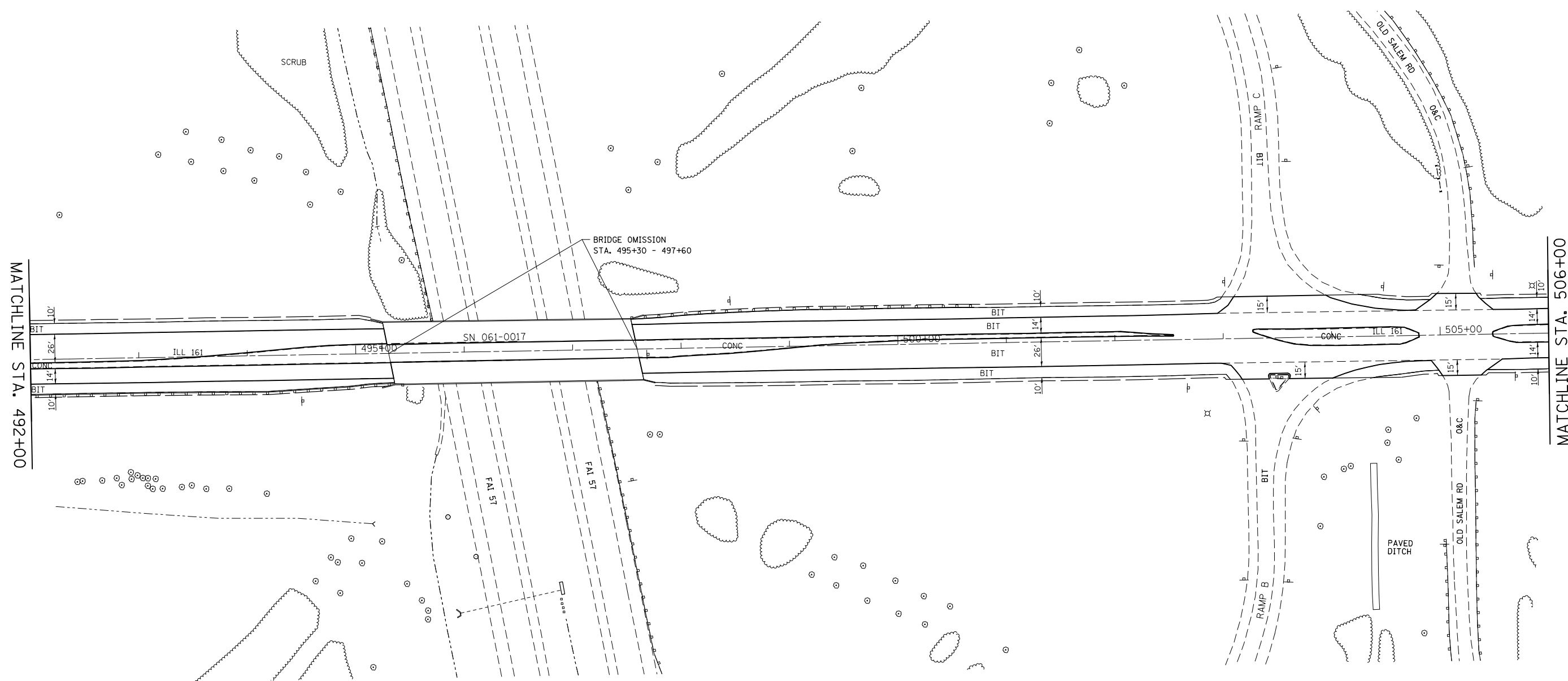
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

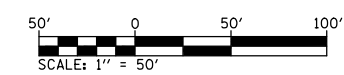
SCALE: 1" = 50'    SHEET NO. 1 OF 6 SHEETS    STA. 478+00 TO STA. 492+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	10
CONTRACT NO. 76G93				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MATCHLINE STA. 492+00

MATCHLINE STA. 506+00



•FAP 805/FAS 795

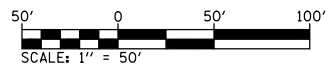
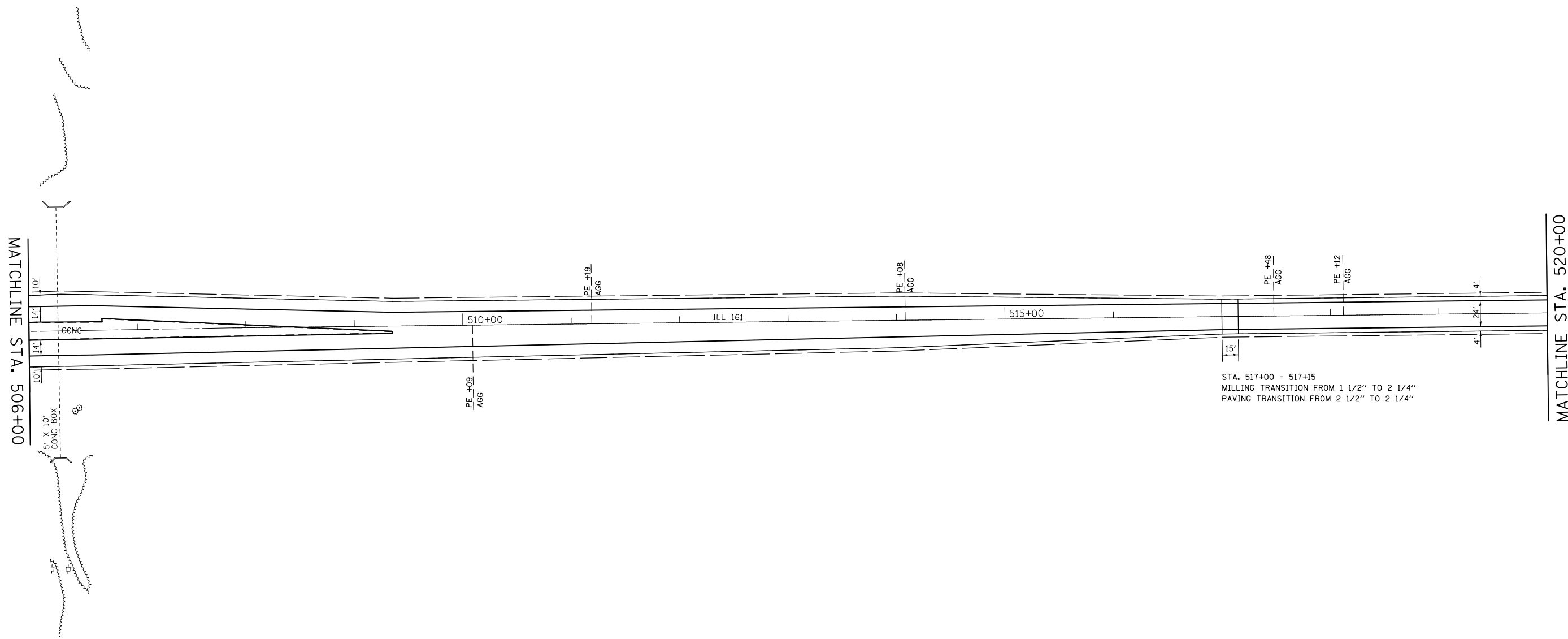
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: 1" = 50'    SHEET NO. 2 OF 6 SHEETS    STA. 492+00 TO STA. 506+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	11
CONTRACT NO. 76G93				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



•FAP 805/FAS 795

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

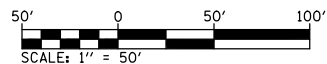
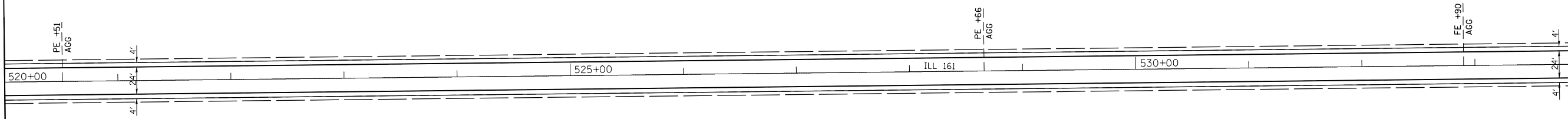
SCALE: 1" = 50'    SHEET NO. 3 OF 6 SHEETS    STA. 506+00 TO STA. 520+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	12
<b>CONTRACT NO. 76G93</b>				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



MATCHLINE STA. 520+00

MATCHLINE STA. 534+00



•FAP 805/FAS 795

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

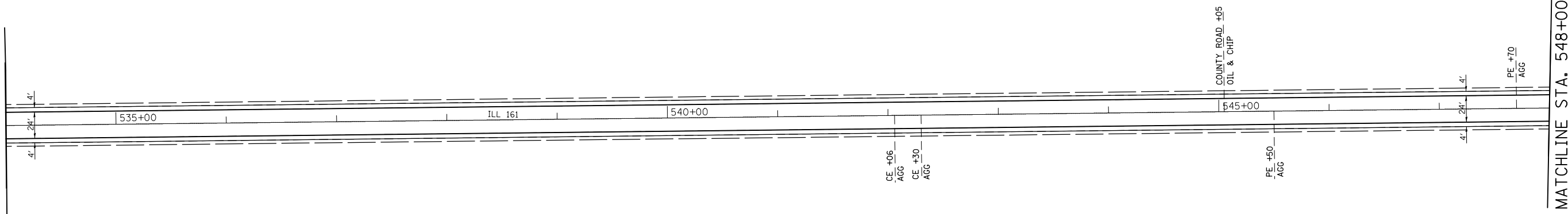
**PLAN SHEETS**

SCALE: 1" = 50'      SHEET NO. 4 OF 6 SHEETS      STA. 520+00 TO STA. 534+00

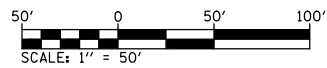
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	13
<b>CONTRACT NO. 76G93</b>				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



MATCHLINE STA. 534+00



MATCHLINE STA. 548+00



•FAP 805/FAS 795

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

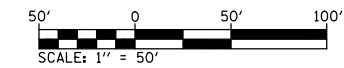
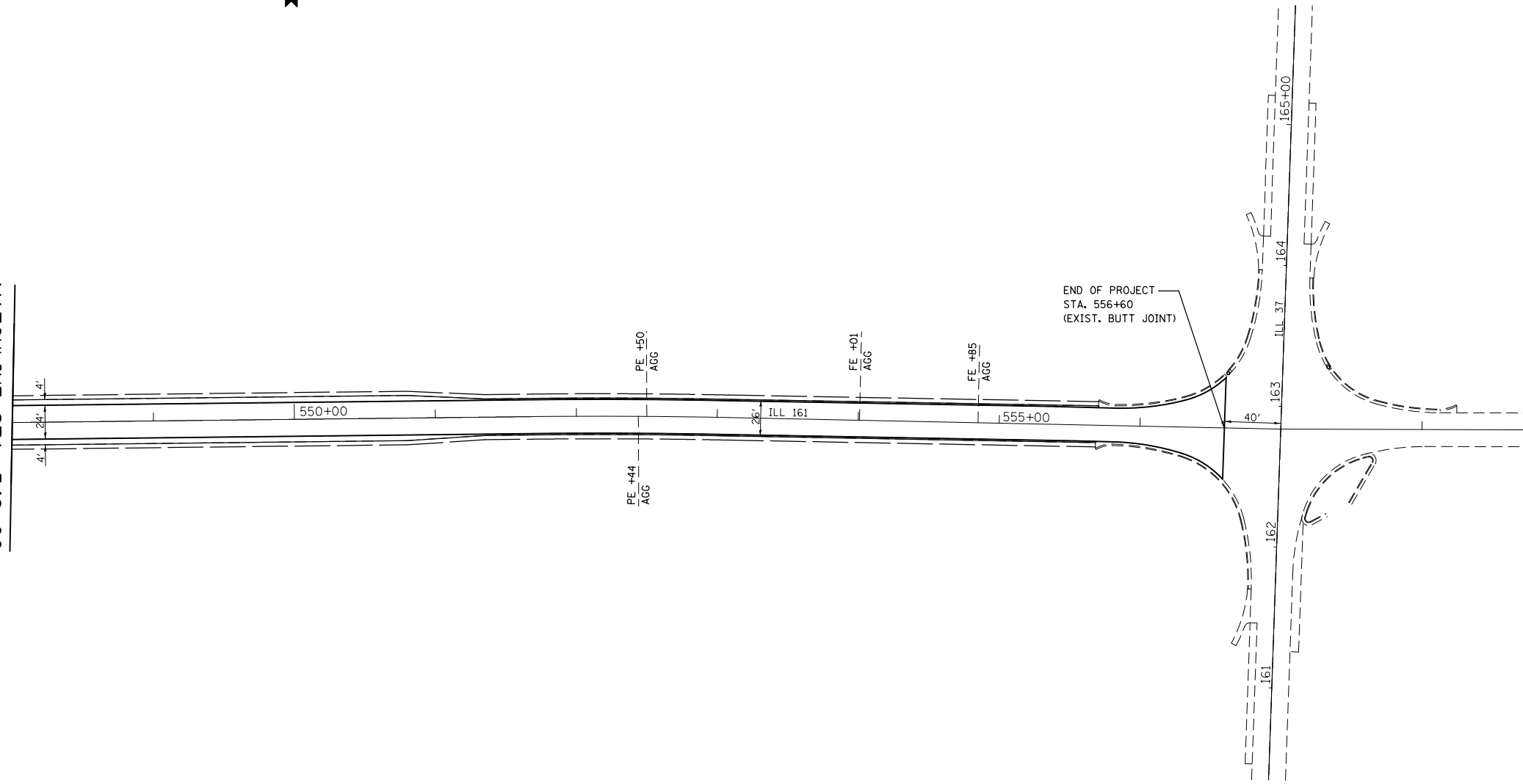
**PLAN SHEETS**

SCALE: 1" = 50'      SHEET NO. 5 OF 6 SHEETS      STA. 534+00 TO STA. 548+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	14
<b>CONTRACT NO. 76C93</b>				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



MATCHLINE STA. 548+00



•FAP 805/FAS 795

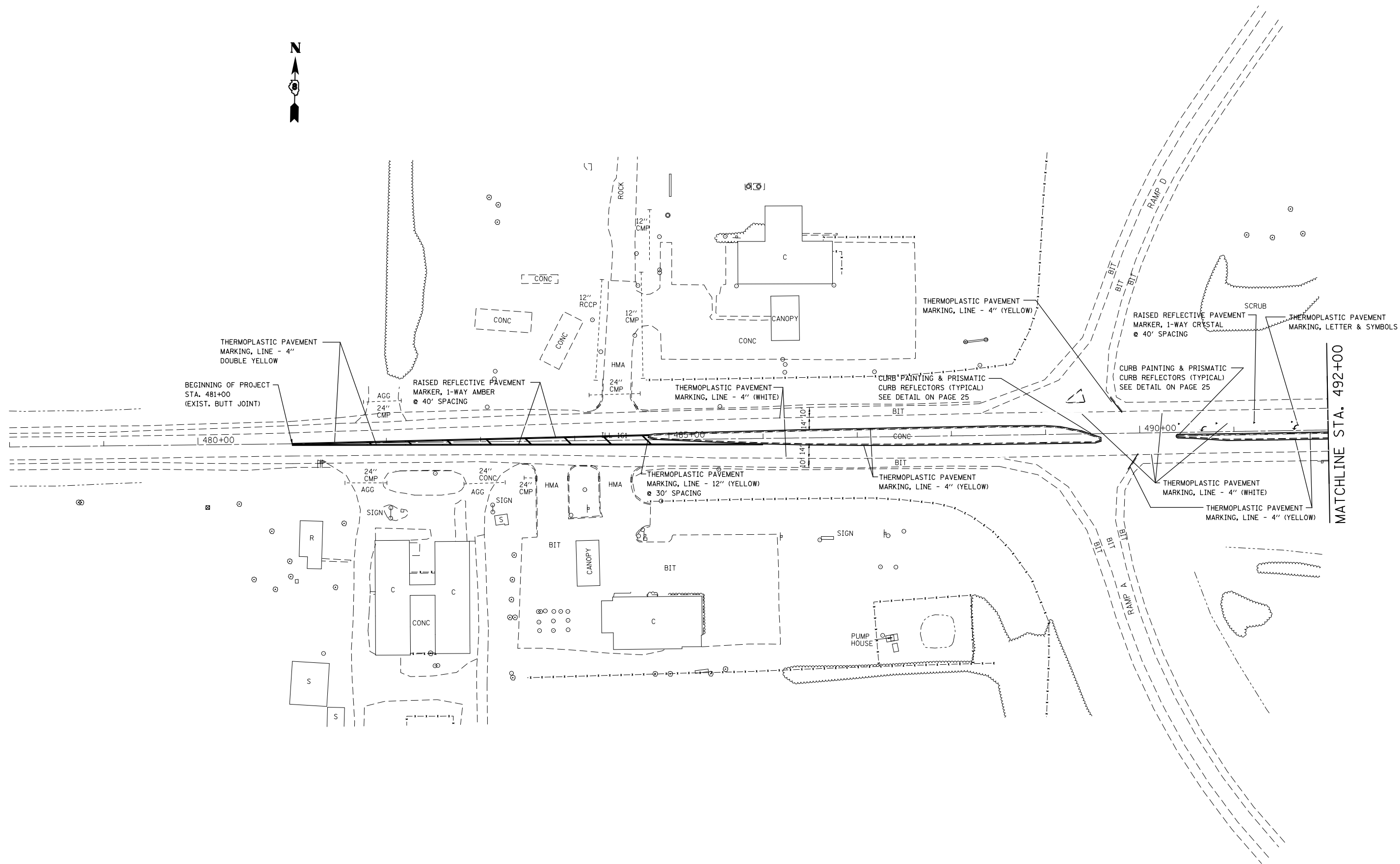
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

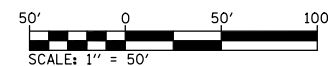
**PLAN SHEETS**

SCALE: 1" = 50'      SHEET NO. 6 OF 6 SHEETS      STA. 548+00 TO STA. 558+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	15
CONTRACT NO. 76G93				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



MATCHLINE STA. 492+00



•FAP 805/FAS 795

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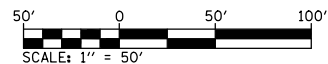
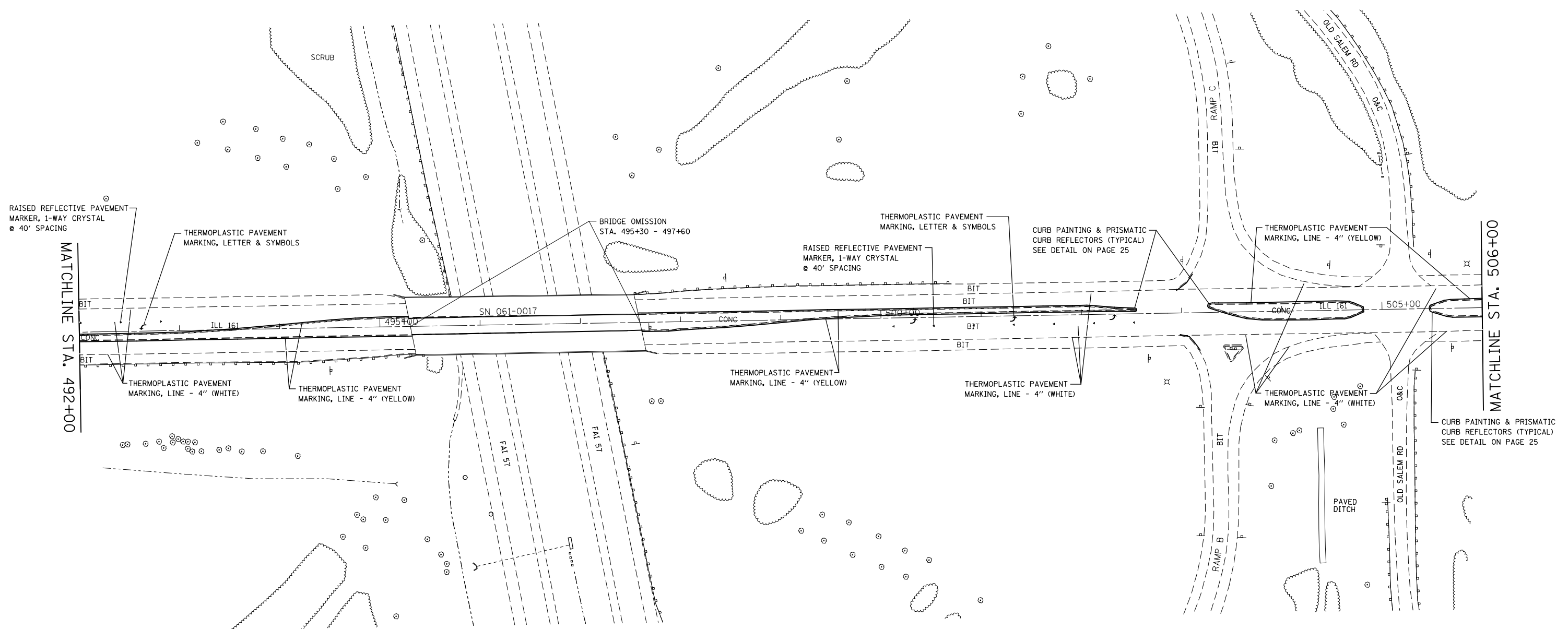
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEETS**

SCALE: 1" = 50'    SHEET NO. 1 OF 6 SHEETS    STA. 478+00 TO STA. 492+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	16
CONTRACT NO. 76G93				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				





•FAP 805/FAS 795

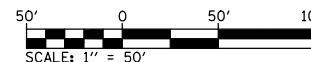
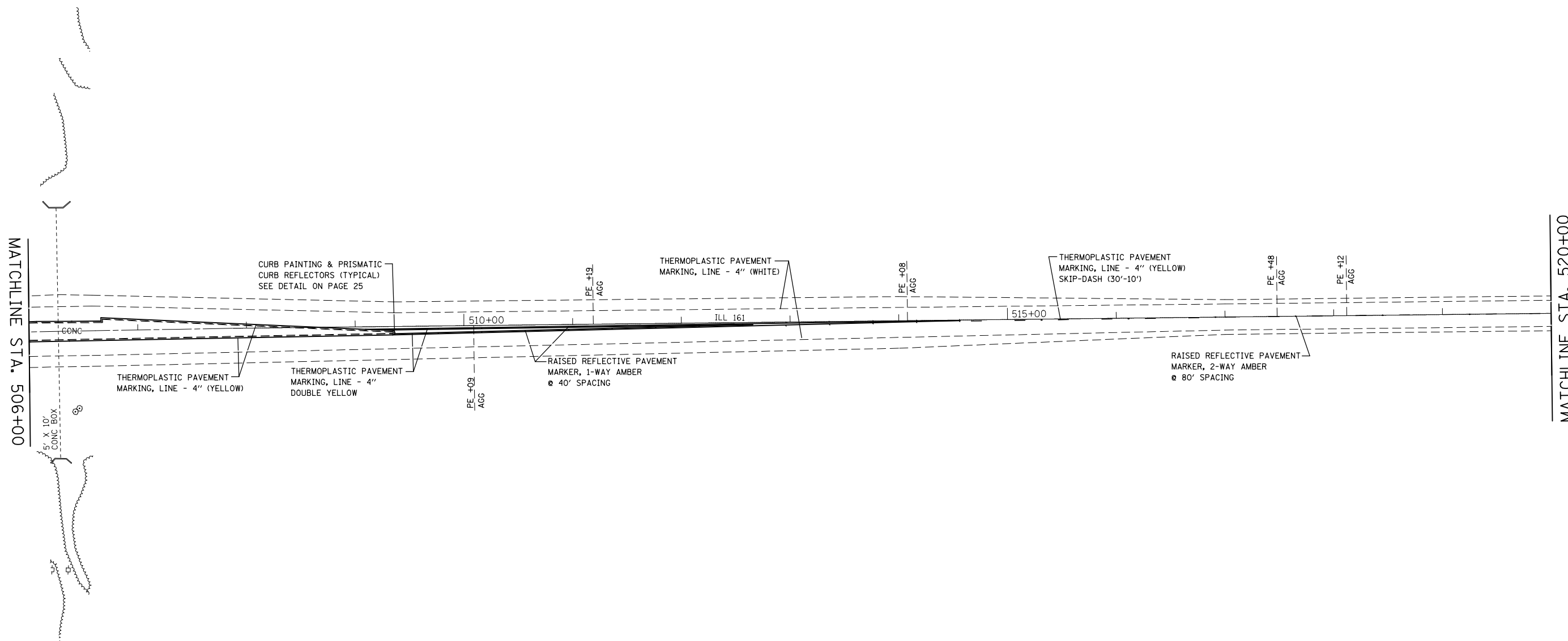
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEETS**

SCALE: 1" = 50'    SHEET NO. 2 OF 6 SHEETS    STA. 492+00 TO STA. 506+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	17
CONTRACT NO. 76G93				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



•FAP 805/FAS 795

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEETS**

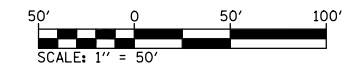
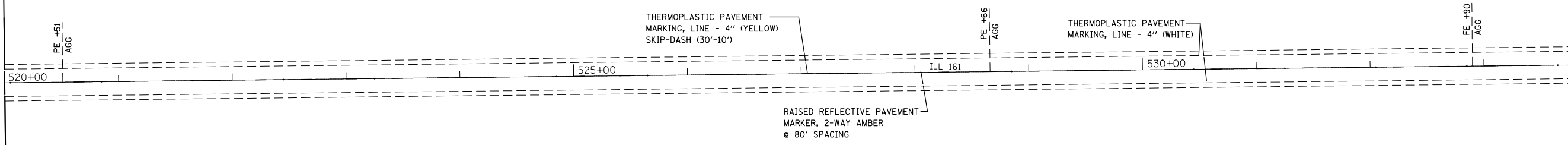
SCALE: 1" = 50'      SHEET NO. 3 OF 6 SHEETS      STA. 506+00 TO STA. 520+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	18
CONTRACT NO. 76G93				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MATCHLINE STA. 520+00

MATCHLINE STA. 534+00



•FAP 805/FAS 795

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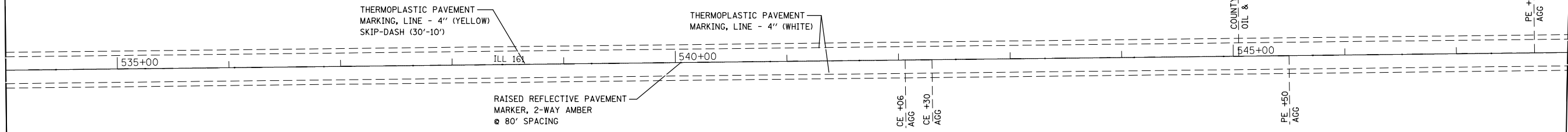
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING SHEETS		
SCALE: 1" = 50'	SHEET NO. 4 OF 6 SHEETS	STA. 520+00 TO STA. 534+00

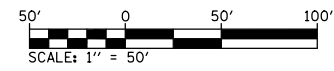
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•	(61-1-1,101,102)RS-1	MARION	25	19
CONTRACT NO. 76G93				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



MATCHLINE STA. 534+00



MATCHLINE STA. 548+00



•FAP 805/FAS 795

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING SHEETS**

SCALE: 1" = 50'      SHEET NO. 5 OF 6 SHEETS      STA. 534+00 TO STA. 548+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	20
CONTRACT NO. 76C93				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



MATCHLINE STA. 548+00

THERMOPLASTIC PAVEMENT MARKING, LINE - 4" (YELLOW) SKIP-DASH (30'-10')

THERMOPLASTIC PAVEMENT MARKING, LINE - 4" (WHITE)

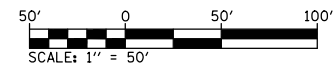
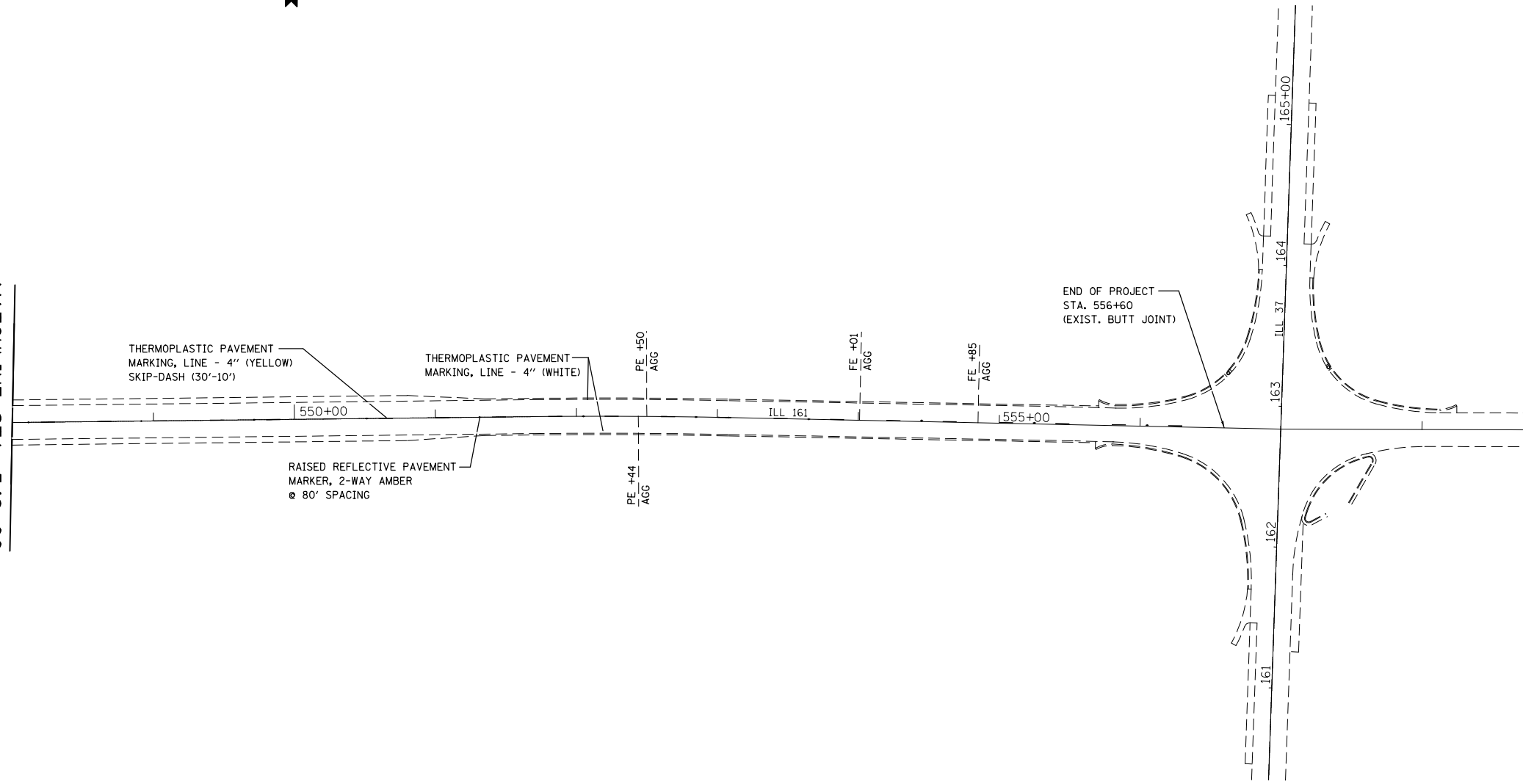
RAISED REFLECTIVE PAVEMENT MARKER, 2-WAY AMBER  
 ● 80' SPACING

PE +50  
AGG

EE +01  
AGG

FE +85  
AGG

END OF PROJECT  
 STA. 556+60  
 (EXIST. BUTT JOINT)



•FAP 805/FAS 795

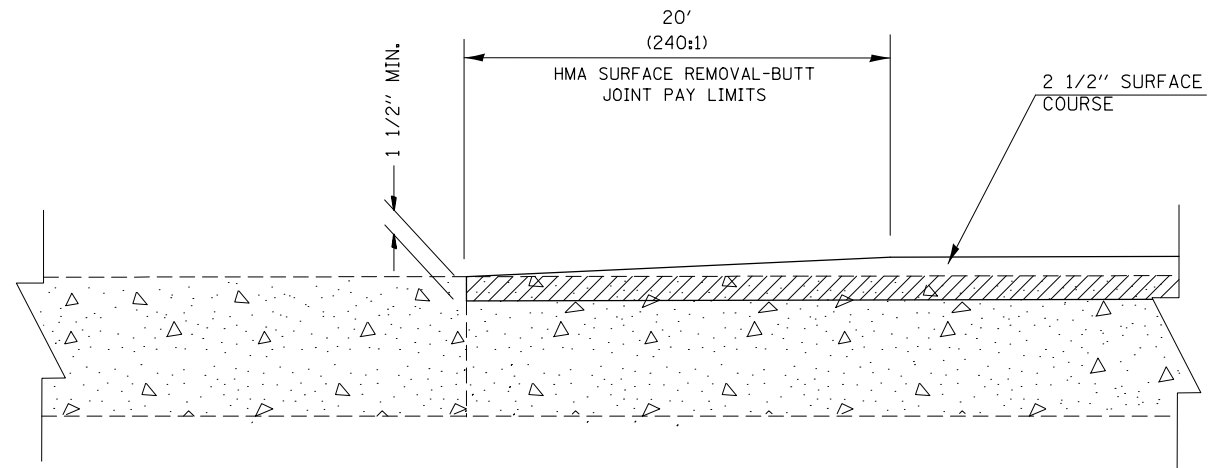
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

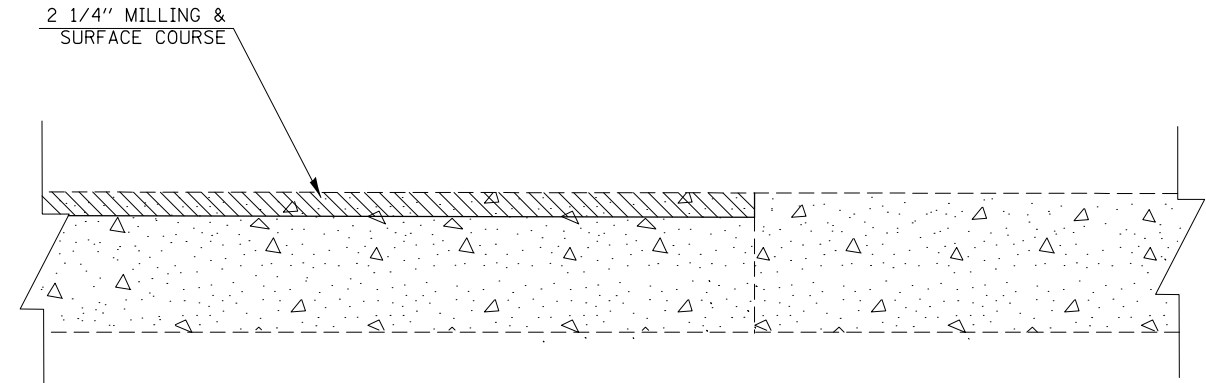
**PAVEMENT MARKING SHEETS**

SCALE: 1" = 50'      SHEET NO. 6 OF 6 SHEETS      STA. 548+00 TO STA. 558+50

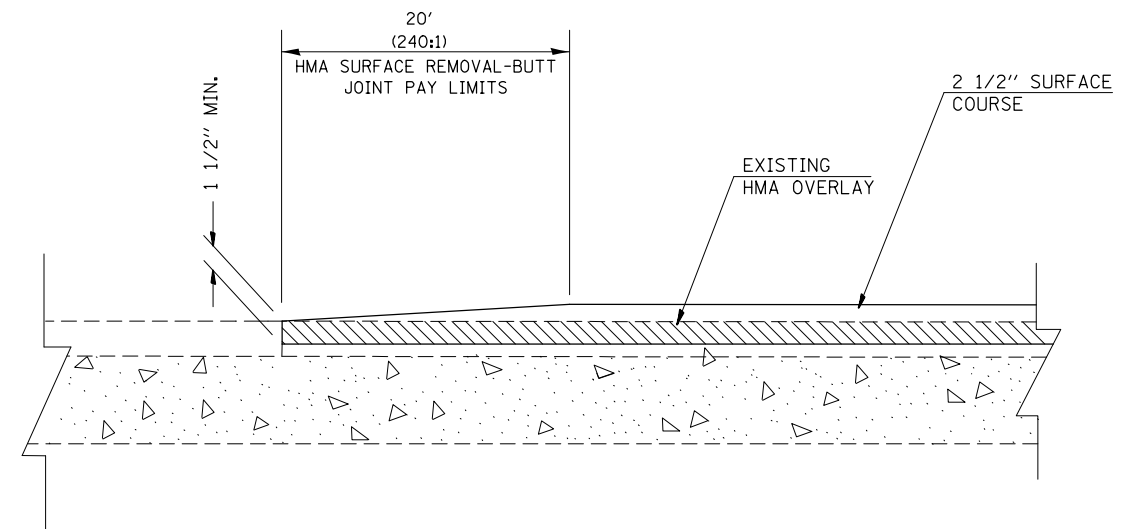
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•	(61-1-1,101,102)RS-1	MARION	25	21
CONTRACT NO. 76C93				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



MAINLINE BUTT JOINT DETAIL  
BEGINING OF PROJECT



MAINLINE JOINT DETAIL  
END OF PROJECT



S.N. 061-0017  
BRIDGE OMISSION DETAIL  
(same on both sides of structure)

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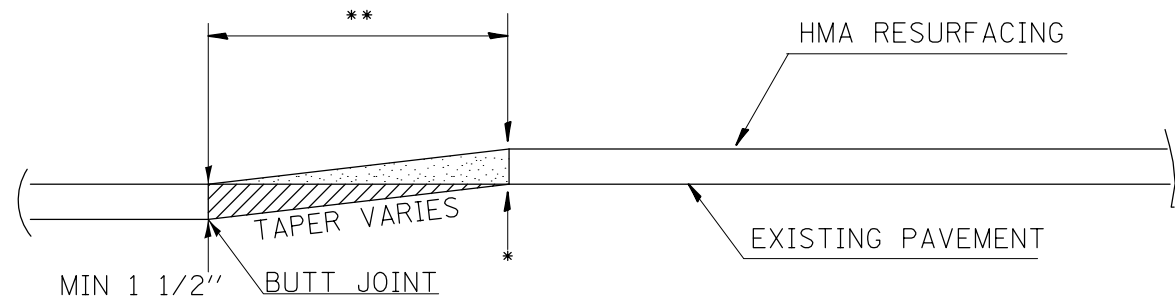
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

JOINT DETAILS

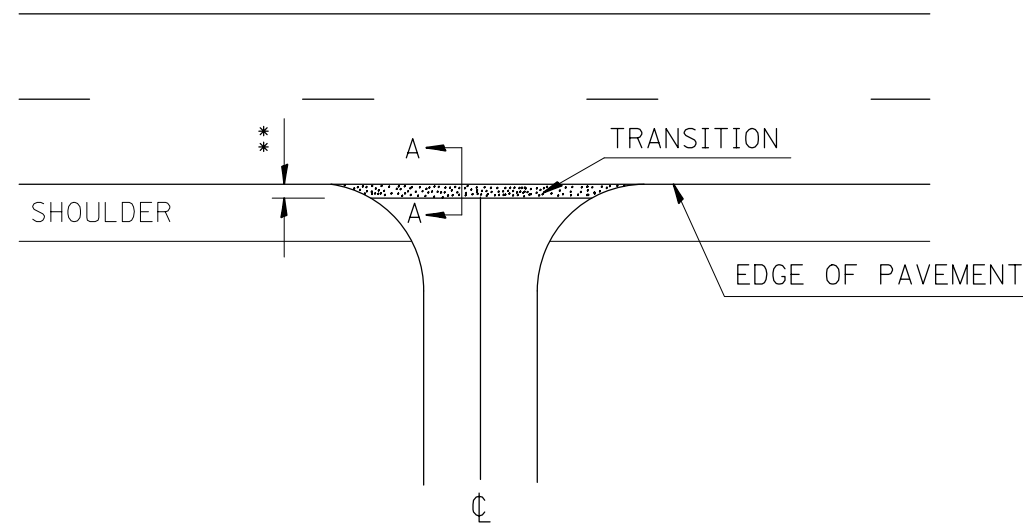
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

•FAP 805/FAS 795

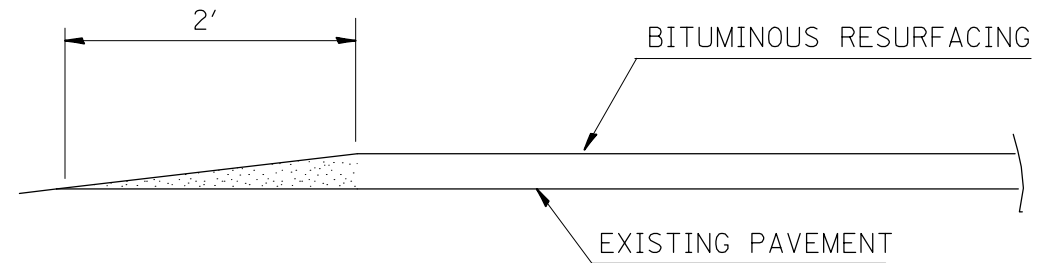
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	24	22
CONTRACT NO. 76G93				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



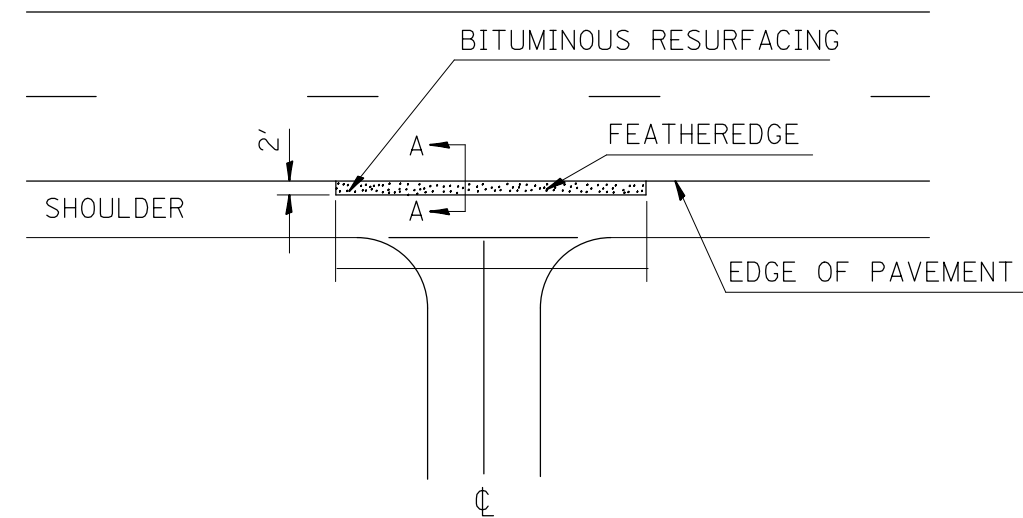
TRANSITION DETAIL  
SECTION A-A  
BUTT-JOINT ADDITION



SIDEROAD DETAIL



FEATHEREDGE DETAIL  
SECTION A-A



ENTRANCE DETAIL

*EOP ELEVATION CHANGE	**TOTAL TRANSITION LENGTH
3/4"	3.5'
1"	5'
1-1/2"	7.5'
2"	10'
2-1/2"	12.5'
3"	15'
3-1/2"	17.5'
4"	20'
4-1/2"	22.5'
5"	25'
5-1/2"	27.5'
6"	30'

NOTE:  
WHERE THE HMA TRANSITION IS MATCHING INTO AN EXISTING HMA SIDE ROAD SURFACE, A MILLED BUTT JOINT SHALL BE CONSTRUCTED WITHIN THE LIMITS OF THE TOTAL TRANSITION LENGTH ON THE LOCAL ROUTE.

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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/7/2014	DATE -	REVISED -

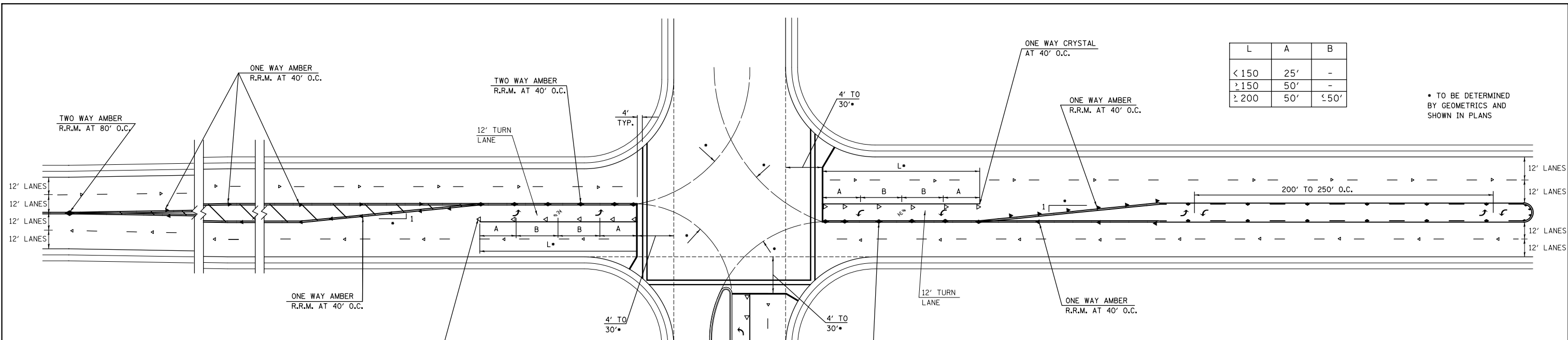
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEROAD & ENTRANCE DETAILS

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

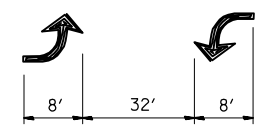
\*FAP 805/FAS 795

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76G93	



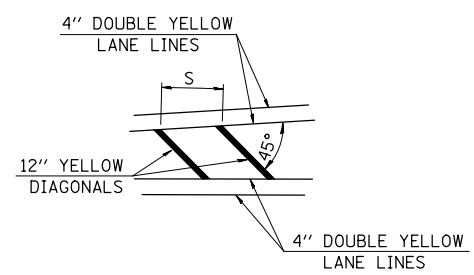
L	A	B
< 150	25'	-
≥ 150	50'	-
≥ 200	50'	±50'

• TO BE DETERMINED BY GEOMETRICS AND SHOWN IN PLANS

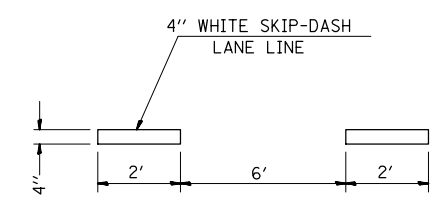


BI-DIRECTIONAL TURN ARROW @ 200' O. C.

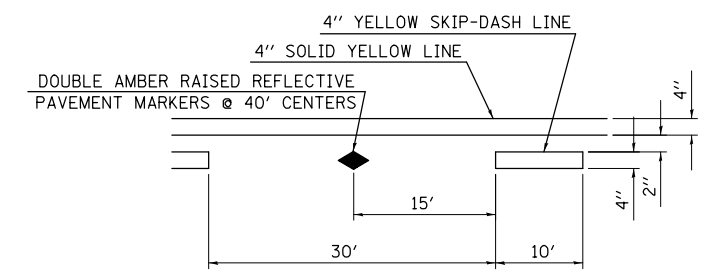
SPEED	CHANNELIZATION & GORES	OBJECTS	CONTINUOUS
< 30 MPH	15'	10'	50'
30-45 MPH	20'	15'	75'
> 45 MPH	30'	20'	150'



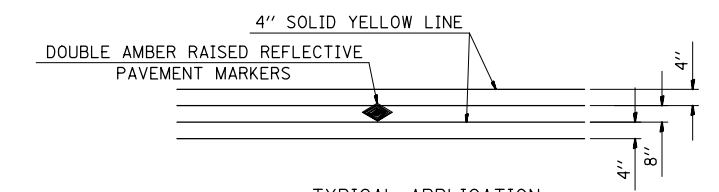
TYPICAL APPLICATION FOR MEDIAN STRIPING



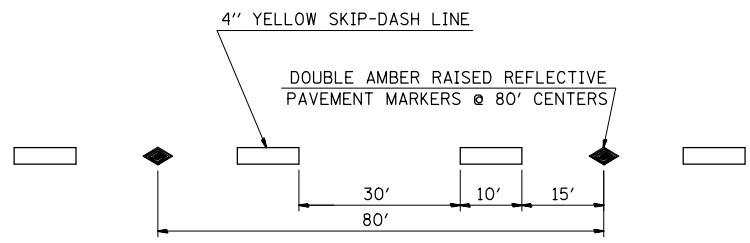
TYPICAL APPLICATION FOR WHITE SKIP-DASH LANE LINES



TYPICAL APPLICATION FOR BI-DIRECTIONAL TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR DOUBLE YELLOW LANE LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR YELLOW SKIP-DASH LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



TYPICAL APPLICATION FOR PEDESTRIAN CROSSWALK

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	PLOT DATE = 5/7/2014	DATE -	REVISED -

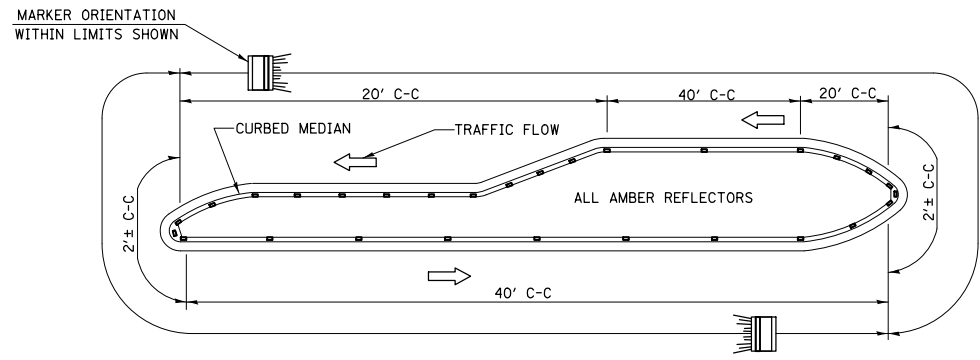
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TURN LANE STRIPING DETAILS  
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

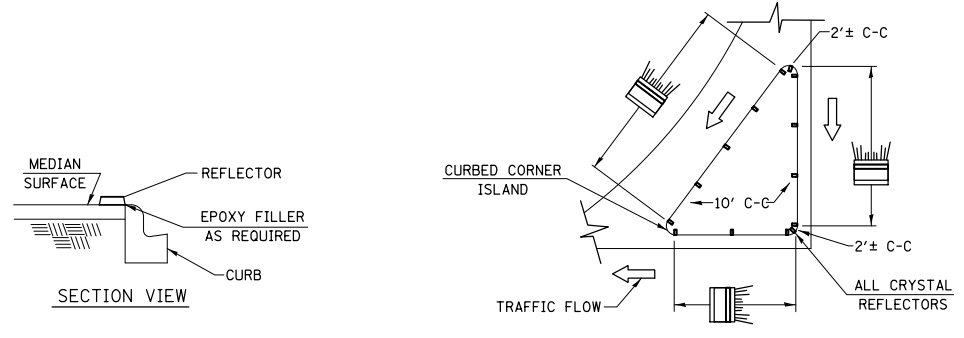
\*FAP 805/FAS 795

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61-1-1,101,102RS-1		MARION	25	24
CONTRACT NO. 76C93				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

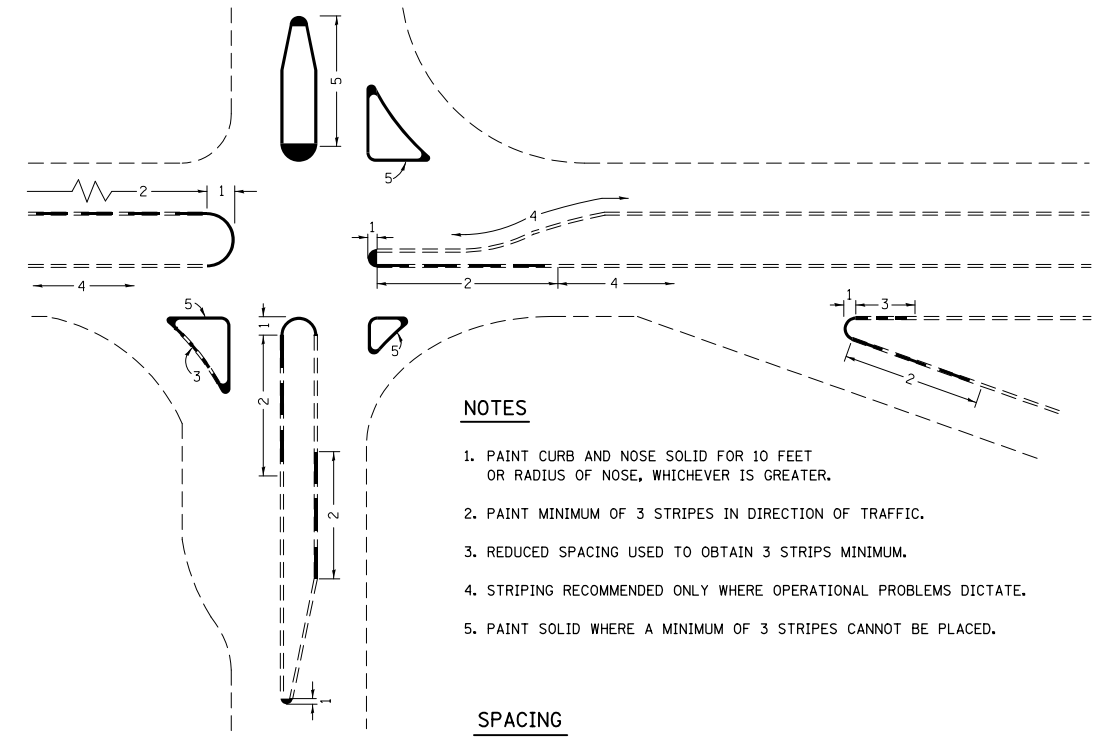




- NOTES**
1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
  2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
  3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.



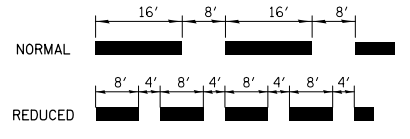
TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS  
(NO SCALE)



**NOTES**

1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.

**SPACING**



**CURB MARKING**

FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 5/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PRISMATIC CURB REFLECTORS  
& CURB PAINTING**

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

*FAP 805/FAS 795				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(61-1-1,101,102)RS-1	MARION	25	25
			CONTRACT NO. 76G93	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		