

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

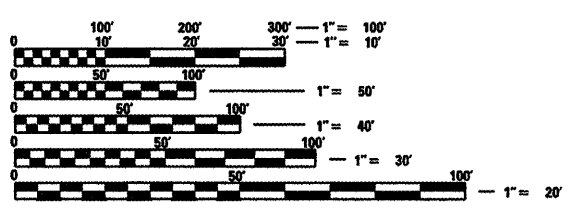
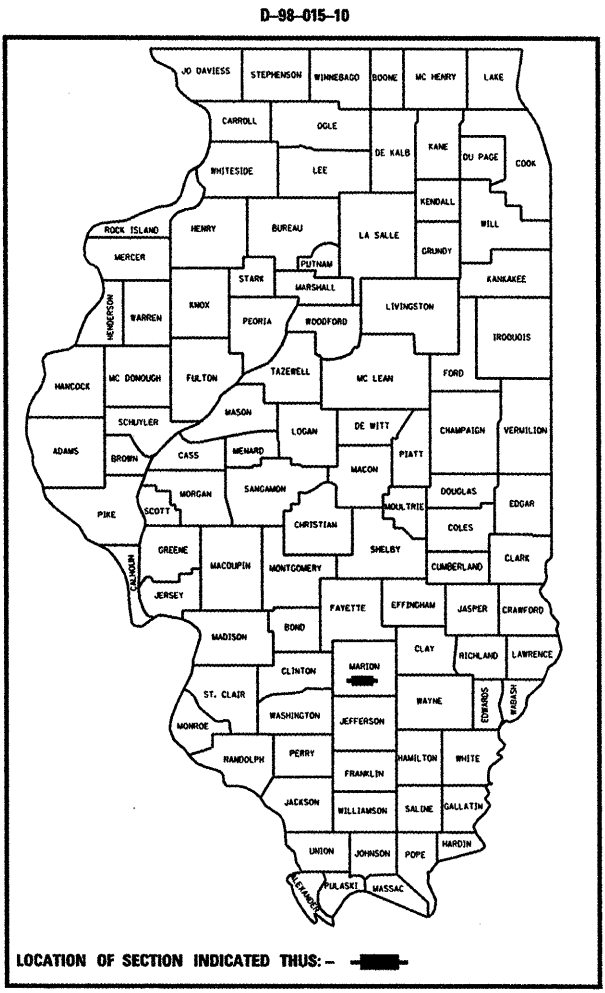
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	101RS	MARION	62	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76D46		

- INDEX OF SHEETS**
1. COVER SHEET, ADT, INDEX
 2. GENERAL NOTES & STANDARDS, COMMITMENTS
 3. SUMMARY OF QUANTITIES
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 - 5-6. SCHEDULES
 - 7-10. TYPICAL SECTIONS
 - 11-33. PLAN VIEW SHEETS
 - 34-56. PAVEMENT MARKING SHEETS
 - 57-59. DETECTOR LOOP REPLACEMENT DETAILS
 - 60-62. DETAIL SHEETS

FAP ROUTE 805 (IL 161)
 SECTION 101RS

MARION COUNTY
 RESURFACING

C-98-009-10



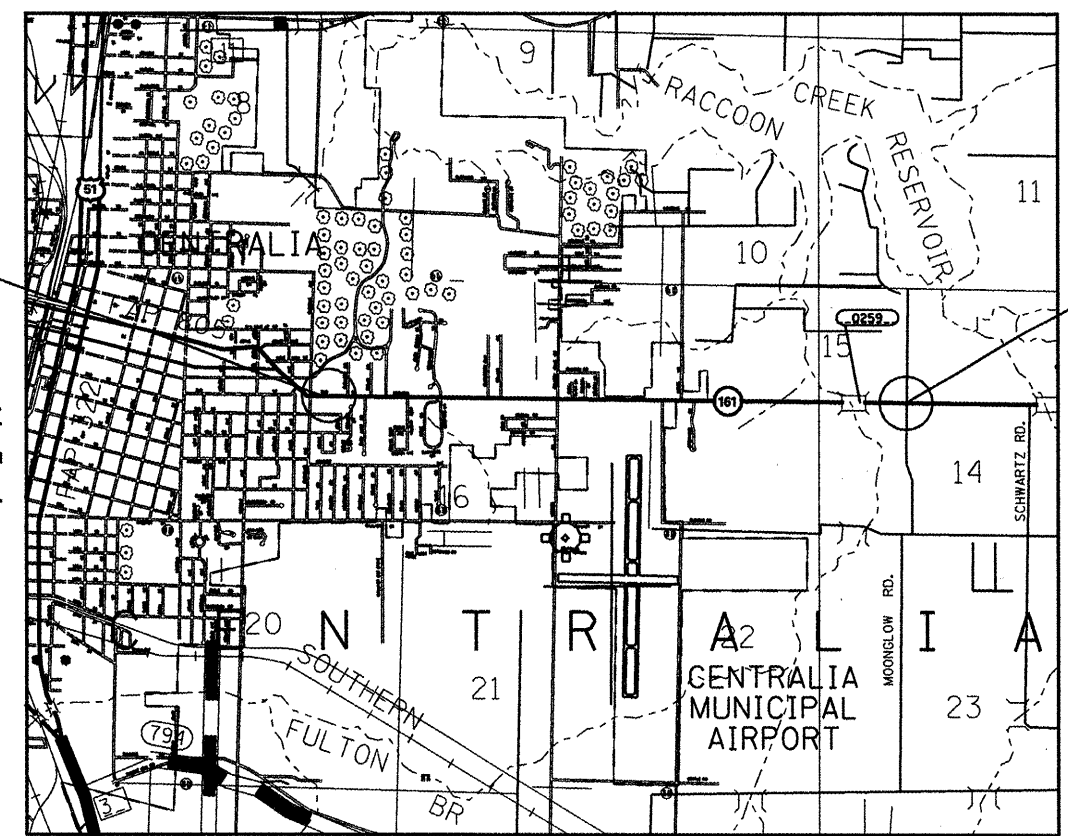
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: PATTI LEBEAU (618)-346-3179
 PROJECT MANAGER: CHERYL KEPLAR (618)-346-3186

CONTRACT NO. 76D46

BEGIN PROJECT:
 STA. 53 + 10.03
 LAT: 38.525220
 LONG: -89.115790



END PROJECT:
 MOONGLOW RD.
 STA. 181 + 00
 LAT: 38.52512
 LONG: -89.06987

ADT
 2007: 12,200
 2027: 15,000
 SU%: 4.3%
 MU%: 3.3%

NET LENGTH: 12790 FT = 2.40 MI
 GROSS LENGTH: 12790 FT = 2.40 MI

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED *Dec 8 2007*
Ma Crami
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

January 21, 2010
Scott E. Stett, P.E.
 ACTING ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2010
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.

2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES 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 IP - GAS & ELECTRIC | AERIAL, BURIED |
| •AT&T ILLINOIS - COMMUNICATIONS | AERIAL, BURIED |
| •CITY OF CENTRALIA - WATER & SANITARY SEWER | BURIED |
| •CHARTER COMMUNICATIONS, INC. - COMMUNICATIONS | AERIAL, BURIED |
| •RACCOON WATER COMPANY - WATER | BURIED |
| •VILLAGE OF WALNUT HILL - WATER | BURIED |

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

3. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THE LOCATION.

4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

5. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, BINDER COURSE AND FINAL SURFACE COURSE. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION WILL BE PAID FOR (WORK ZONE PAVEMENT MARKING REMOVAL - SQ. FT). AN AMOUNT OF TEMPORARY PAVEMENT MARKING WHICH EQUALS THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS ALSO BEEN ADDED TO THE PLANS.

6. THE FOLLOWING SUPERPAVE MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	BINDER/PATCHING	SHOULDERS	LEVEL BINDER	INCIDENTAL SURF
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	15%	30%	10%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	2.0% @ Ndes=30	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION (GRADATION MIXTURE)		IL 19.0		IL 9.5	
FRICTION AGG	MIXTURE "D"	MIXTURE "B"	BAM	MIX "C"	MIX "C"

*TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% AIR VOIDS AND ADD ASPHALT TO REDUCE AIR VOIDS TO 1.5%.

PLAN QUANTITIES FOR HMA (HOT MIX ASPHALT) CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN.

7. 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.

8. THE AVERAGE MILLING DEPTH WILL BE 1 1/2". ACTUAL MILLING DEPTHS MAY VARY DEPENDING ON THE EXTENT OF THE CHANNELIZATION. IT IS ESTIMATED THAT 1614.6 TONS OF HMA SURFACE WILL BE REMOVED.

9. FLAGGERS SHALL BE PRESENT DURING ALL CLOSURE HOURS INCLUDING LUNCH HOUR AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

10. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE AND 48" X 48".

11. ANY EXCAVATION OR DROP-OFF MORE THAN 3" AT EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTING.

12. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

13. ALL TEMPORARY PAVEMENT MARKING SHALL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

14. SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEMS AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATION.

15. FLAGGERS SHALL BE PRESENT AT SIDEROADS PER THE STANDARDS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

16. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES & VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS

17. THE PAVEMENT MARKING SHOWN IN THE PLANS IS APPROXIMATE. THE LOCATION OF THE PROPOSED CROSSWALKS AND STOP BARS SHOULD MATCH EXISTING FIELD CONDITIONS.

18. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR ITS UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR ITS EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. IF "LOCATING UNDERGROUND CABLE" IS NOT INCLUDED AS PART OF THE PLANS, THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARDS SPECIFICATION.

STANDARDS

- | | |
|-----------|-----------|
| 000001-05 | 701311-03 |
| 442201-03 | 701336-05 |
| 701001-02 | 701501-05 |
| 701006-03 | 701502-03 |
| 701011-02 | 701602-04 |
| 701201-03 | 701901-01 |
| 701301-03 | 780001-02 |
| 701306-02 | 781001-03 |
| | 886001-01 |
| | 886006-01 |

COMMITMENTS

NO COMMITMENTS

Rev.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, COMMITMENTS & STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			805	10185	MADISON	52	2	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			SCALE: _____ SHEET NO. _____ OF _____ SHEETS		STA. _____ TO STA. _____		CONTRACT NO. 76D46	
	PLOT DATE = #DATE#	DATE	REVISED -			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT					

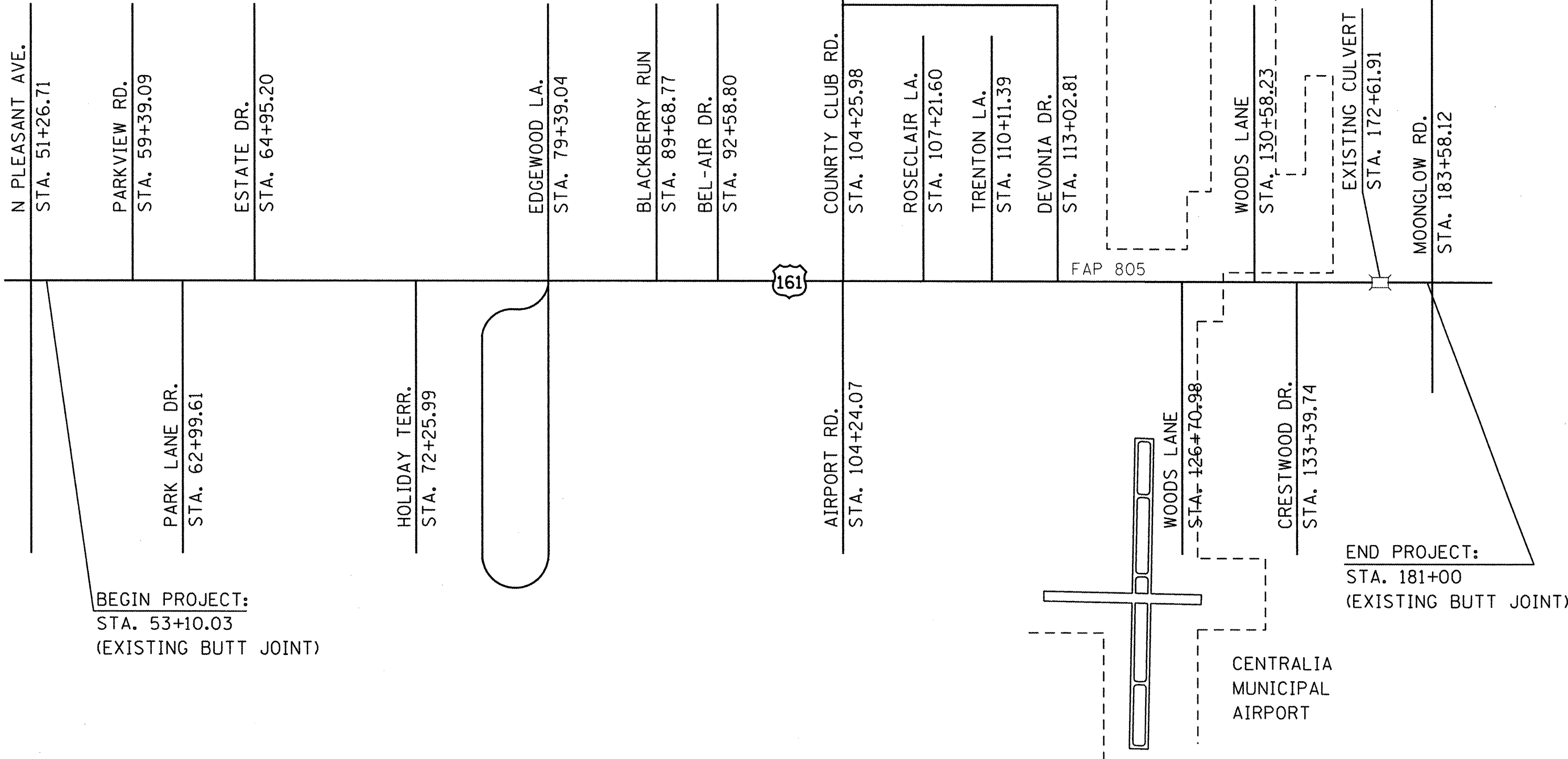
SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		1-000 100% STATE	-----	-----	CODE NO	ITEM	UNIT		1-000 100% STATE	-----	-----
20200100	EARTH EXCAVATION	CU YD	205	205			70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
20400800	FURNISHED EXCAVATION	CU YD	30	30			70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1		
25000210	SEEDING, CLASS 2A	ACRE	0.1	0.1			70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	3.6	3.6			70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	3.6	3.6			70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	3.6	3.6			70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1222	1222		
28100105	STONE RIPRAP, CLASS A3	SQ YD	25	25			70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	419	419		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	15	15			70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	40629	40629		
40600300	AGGREGATE (PRIME COAT)	TON	66	66			70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1032	1032		
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	1831	1831			70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	65	65		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	427	427			70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	408	408		
40600990	TEMPORARY RAMP	SQ YD	375	375			78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	419	419		
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	3662	3662			78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	40629	40629		
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.2	0.2		*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1032	1032		
40800030	AGGREGATE (PRIME COAT)	TON	1	1		*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	65	65		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	55	55		*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	265	265		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	43625	43625		*	78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	8		
44200180	PAVEMENT PATCHING, TYPE II, 15 INCH	SQ YD	385	385		*	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	36	36		*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	265	265		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	402	402		*	80300100	LOCATING UNDERGROUND CABLE	FOOT	100	100		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	313	313		*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	820	820		
50105220	PIPE CULVERT REMOVAL	FOOT	274	274		*	Z0010555	DITCH CLEANING	FOOT	397	397		
54248510	CONCRETE COLLAR	CU YD	8.4	8.4									
542C1063	PIPE CULVERTS, CLASS C, TYPE 2 18"	FOOT	45	45									
542C1069	PIPE CULVERTS, CLASS C, TYPE 2 24"	FOOT	262	262		*							
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	437.5	437.5									
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4									
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5									
67100100	MOBILIZATION	L SUM	1	1									
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1									

* SPECIALTY ITEM

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	F.A.P. RTE. 805	SECTION 10185	COUNTY MARION	TOTAL SHEETS 62	SHEET NO. 3
#FILE#		DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION		SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 16D46		
		CHECKED -	REVISED -			FED. ROAD DIST. NO. _____ (ILLINOIS) FED. AID PROJECT				
		DATE -	REVISED -							

CENTRALIA



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---
		DRAWN - ---	REVISED - ---
		CHECKED - ---	REVISED - ---
		DATE - -----	REVISED - ---
	PLOT SCALE = #SCALE#		
	PLOT DATE = #DATE#		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY LAYOUT

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. 805	SECTION 101BS	COUNTY MARION	TOTAL SHEETS 62	SHEET NO. 4
CONTRACT NO. 76R46			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	

PAVEMENT MARKINGS SCHEDULE																				
STATION	TO	STATION	LENGTH	LINE 12"	LINE 24"	LETTER AND SYMBOLS LEFT TURN ARROWS (SO FT)	4" YELLOW			4" WHITE			RAISED REFLECTIVE PAVEMENT MARKERS							
				YELLOW	YELLOW		DOUBLE YELLOW	SKIP-DASH CENTERLINE	NO PASSING ZONE		LANE LINE	SKIP-DASH CENTERLINE	AUX SKIP-DASH	TWO-WAY AMBER	ONE-WAY AMBER	ONE-WAY CRYSTAL	REMOVAL			
				(FT)	(FT)		(FT)	(FT)	WESTBOUND	EASTBOUND	(FT)	(FT)	(FT)	(EACH)	(EACH)	(EACH)	(EACH)			
55+44.31						15.6														
55+55.60						15.6														
57+23.26						15.6														
57+34.54						15.6														
59+02.51						15.6														
59+13.77						15.6														
103+09.94						15.6														
103+69.27						15.6														
104+82.59						15.6														
105+45.73						15.6														
103+76.04					35															
104+75.64					30															
103+80.16				63																
103+86.16				69																
104+64.12				74																
104+70.12				63																
53+10.03	TO	181+00.00	12790						25580											
102+55.27	TO	103+74.38	119						119					3				3		
104+75.66	TO	105+86.31	111						111									3	3	
61+18.78	TO	95+20.25	3401.47										43						43	
104+76.46	TO	105+99.24	122.78										3						3	
53+10.03	TO	55+00.00	189.97	54			760								10				10	
59+58.77	TO	61+18.78	160.01	58			640							8					8	
95+94.20	TO	102+34.21	640.01	225			2600							33					33	
105+91.54	TO	113+00.00	708.46	201																
102+45.07	TO	103+74.38	129.31				258.6						3						3	
104+74.76	TO	105+86.31	111.55				223.2													
105+86.31	TO	113+00.00	713.69				2854.8							35					35	
53+10.03	TO	59+53.18	643.15							32						16			16	
55+00.00	TO	59+58.77	458.77					22.9					23						23	
62+08.58	TO	89+1.99	2733.41					68.3												
113+00.00	TO	181+00.00	6800.00					170						85					85	
101+02.27	TO	102+55.27	153.00										153							
105+86.31	TO	107+69.27	182.96										183							
61+18.83	TO	64+00.00	281.17					281												
67+58.03	TO	72+68.44	510.41						510											
72+00.00	TO	81+70.06	970.06					970												
81+70.06	TO	89+41.99	771.93						772											
89+41.99	TO	95+20.25	578.26					578	578											
113+00.00	TO	118+66.63	566.63					567												
138+15.83	TO	145+44.92	729.09						729											
148+20.50	TO	154+00.00	579.50					580												
155+00.00	TO	161+29.34	629.34						629											
164+41.68	TO	171+00.00	658.32					658												
SUB TOTAL:							7337	261	3634	3219	25810	32	336	157	86	22				
TOTAL:				807	65	156				40629					265		265			

PATCHING SCHEDULE										
STATION	LANE					LENGTH (FT)	WIDTH (FT)	PAVEMENT PATCHING TYPE II, 15" (ISO YDS)	CLASS D TYPE IV 10" (ISO YDS)	
	EB		BI-DIR	WB						
	DL	PL		PL	DL					
53+19.5	X	X	X	X	X	6	12	40		
53+25.5	X					6	12			
53+27.3					X	6	12			
53+44.9		X				6	12			
53+62.88			X			6	12			
53+74.85					X	6	12			
53+75.49	X					6	12			
53+91.59			X			6	12			
54+04.35	X					6	12			
54+23.35				X		6	12			
54+26.5		X				6	12			
54+43.28	X					6	12			
54+52.85					X	6	12			
54+56.78		X				6	12			
54+71.26			X			6	12			
54+82.41	X					6	12			
54+89.03				X		6	12			
55+05.46					X	6	12			
55+12.66	X					6	12			
55+61.95		X				6	12			
55+89.84			X			6	12			
56+26.02					X	6	12			
56+34.67	X					6	12			
56+81.47			X			6	12			
57+03.89	X					6	12			
57+27.45				X		6	12			
57+59.73		X				6	12			
57+84.12				X		6	12			
57+99.85	X					6	12			
58+34.85		X				6	12			
58+48.62					X	6	12			
58+62.43	X					6	12			
58+81.51			X			6	12			
59+19.8	X					6	12			
59+25.55				X		6	12			
59+73.15					X	6	12			
61+20.57	X				X	6	13	17.3		
62+58.98	X				X	6	13	17.3		
62+89.12	X				X	6	13	17.3		
75+45.89	X				X	6	13	17.3		
79+48.42	X				X	6	13	17.3		
81+45.97	X				X	6	13	17.3		
88+59.37	X				X	6	13	17.3		
105+86.39	X				X	6	12	16.0		
106+05.21	X				X	6	12	16.0		
110+95.23	X				X	6	12	16.0		
118+94.35	X				X	6	12	16.0		
120+00.54	X				X	6	12	16.0		
138+63.25	X				X	6	12	16.0		
141+58.78	X				X	6	12	16.0		
145+89.45	X				X	6	12	16.0		
159+55.33	X				X	6	12	16.0		
170+65.59	X				X	6	12	16.0		
WOODS LANE SOUTH										
126+48.57						6	45		30	
ANTICIPATED FAILURES:								64	6	
TOTALS:								385	36	

NOTE: THE PATCHING STATIONS ARE APPROXIMATE NO PATCHING SURVEY WAS DONE, SO ALL PATCH PLACEMENT IS UP TO THE RESIDENT ENGINEER'S DISCRETION.

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES	F.A.R. RTE. 805	SECTION 10185	COUNTY MARION	TOTAL SHEETS 62	SHEET NO. 5		
#FILE#	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---			SCALE: -----	SHEET NO. 1 OF 2 SHEETS	STA. -----	TO STA. -----	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---									
		DATE - -----	REVISED - ---									

SEEDING/EARTHWORK									
STA	TO	STA	SIDE	SEEDING CLASS, 2A	NITROGEN FERTILIZER	PHOSPHORUS FERTILIZER	POTASSIUM NUTRIENT	FURNISHED EXCAVATION	EARTH EXCAVATION
				(ACRE)	(POUND)	(POUND)	(POUND)	(CU YD)	(CU YD)
79+62.82	TO	79+97.8	R	0.05	0.9	0.9	0.9	30	30
126+48.58	TO	126+93.3	R						29.8
129+98.7	TO	132+17.35	R	0.05	2.7	2.7	2.7		145.2
TOTAL:				0.1	3.6	3.6	3.6	30	205

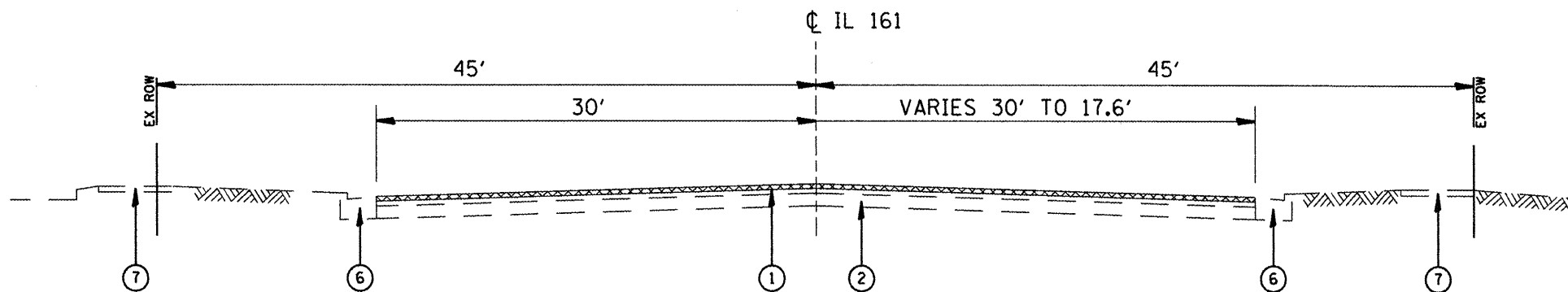
GUARDRAIL SCHEDULE							
STA.	TO	STA.	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A, .6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE I, (SPECIAL) TANGENT	GUARDRAIL MARKERS, TYPE A	TERMINAL MARKER DIRECT APPLIED
				(FOOT)	(EACH)	(EACH)	(EACH)
79+71.74	TO	81+96.7	R	225		4	
79+76.23	TO	81+88.7	L	212.5		4	
79+71.74			R		1		1
81+96.7			R		1		1
79+76.23			L		1		1
81+88.7			L		1		1
TOTAL:				437.5	4	8	4

SIDEROAD TEMPORARY RAMP AND BUTT JOINTS							
LOCATION	L/R	WIDTH	TEMPORARY RAMPS	BUTT JOINT	INCIDENTAL HMA SURFACING	(40800020) BIT. MAT. PRIME COAT	(40800030) AGG. PRIME COAT
		(FEET)	(SOYD)	(SOYD)	(SOYD)	(TON)	(TON)
STATION 53+10.03		60	33.33	133.3			
PARK VIEW DR.	L	51	28.33		4.76	0.02	0.09
PARKLANE DR.	R	34	18.89		3.17	0.01	0.06
ESTATE DR.	L	29	16.71		2.71	0.01	0.05
HOLIDAY TERRACE RD.	R	42	23.33		3.92	0.01	0.07
EDGEWOOD LANE	L	52	28.89		4.85	0.02	0.09
EDGEWOOD LANE	R	30	16.67		2.80	0.01	0.05
BLACK BERRY RUN	L	34	18.89		3.17	0.01	0.06
BELAIR DR.	L	25	13.89		2.33	0.01	0.04
COUNRTY CLUB RD.	L	56	31.11	124.4	5.23	0.02	0.09
AIRPORT RD.	R	50	27.78	111.1	4.67	0.02	0.08
ROSECLAIR LANE	L	21	11.67		1.96	0.01	0.04
TRENTON LANE	L	20	11.11		1.87	0.01	0.03
DEVONIA DR.	L	22	12.22		2.05	0.01	0.04
WOODS LANE	R	33	18.33		3.08	0.01	0.06
WOODS LANE	L	38	21.11		3.55	0.01	0.06
CRESTWOOD DR.	L	51	28.33		4.76	0.02	0.09
STATION 181+00		26	14.44	57.8			
TOTAL:			375	426.7	55	0.20	0.98

PIPE CULVERTS									
STA.	TO	STA.	SIDE	PIPE CULVERT REMOVAL	CONCRETE COLLAR	PIPE CULVERT, CLASS C, TYPE II, 18"	PIPE CULVERT, CLASS C, TYPE II, 24"	DITCH CLEANING	STONE RIP RAP CLASS A3
				(FOOT)	(CUYD)	(FOOT)	(FOOT)	(FOOT)	(SOYD)
79+60.81			R		2.1				
79+99.81			R		2.1				
127+25.63			R						14
127+74.63			R						11
79+57.81	TO	79+62.82	R	5					
79+97.81	TO	80+02.81	R	5					
126+48.57	TO	126+93.3	R	46					
129+98.7	TO	132+17.35	R	218					
79+57.81	TO	80+02.81	R			45			
126+48.57	TO	126+93.3	R				45		
129+98.7	TO	131+92.1	R				193		
131+94.7	TO	132+17.3	R				24		
124+00.	TO	126+48.57	R					248	
126+93.3	TO	127+20.05	R					28	
12779	TO	12900	R					121	
TOTAL:				274	8.4	45	262	397	25

RESURFACING SCHEDULE													
STATION	TO	STATION	SOYD	FEET	HMA CONC. SURF. CSE. MIX D, N90	BITUMINOUS MATERIAL (PRIME COAT)	AGGREGATE (PRIME COAT)	H.M.A. SURF. REMOVAL 1 1/2"	LEVELING BINDER MIX "C" N90	AGGREGATE SHOULDER WEDGE, TYPE B		HMA SHOULDERS	
					TONS	TONS	TONS	SO. YDS.	TON	LEFT SIDE	RIGHT SIDE	LEFT SIDE	RIGHT SIDE
					TONS	TONS	TONS	TONS	TONS	TONS	TONS	TONS	
53+10.03	TO	59+85.71	4504.53	675.68	378.38	1.41	6.76	4504.53	189.19				
59+85.71	TO	64+00.	1979.39	414.29	166.27	0.62	2.97	1979.39	83.13				
64+00.	TO	95+47.31	9092.23	3147.31	763.75	2.84	13.64	9092.23	381.87				
95+47.31	TO	113+00.	8373.96	1752.69	703.41	2.62	12.56	8373.96	351.71				
113+00.	TO	181+00.	19644.44	6800	1650.14	6.15	29.47	19644.47	825.07				
130+86.03	TO	181+00.	13373.3	5013.97		0.70					155.99		
130+53.18	TO	181+00.	13458.2	5046.82		0.70						157.01	
50+58.4	TO	130+52.6	21317.87	7994.2						88.83	88.83		
130+52.6	TO	181+00.	13459.73	5047.4						112.16	112.16		
TOTAL:					3662	15	66	43595	1831	402		313	

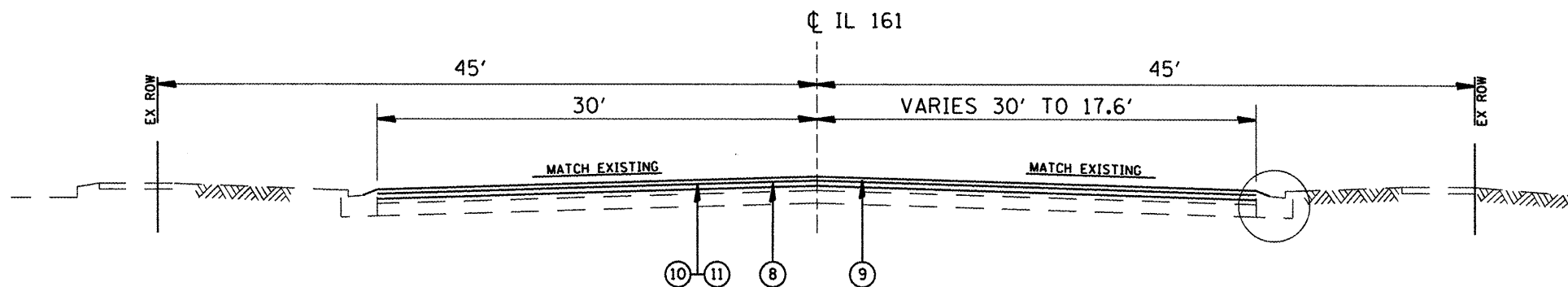
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#FILE#		DRAWN - ---	REVISED - ---			805	10185	MARION	62	6	
		CHECKED - ---	REVISED - ---			CONTRACT NO. 76D46					
		DATE - ---	REVISED - ---								
SCALE: ----- SHEET NO. 2 OF 2 SHEETS STA. ----- TO STA. -----						FED. ROAD DIST. NO. ----- (ILLINOIS) FED. AID PROJECT					



EXISTING TYPICAL

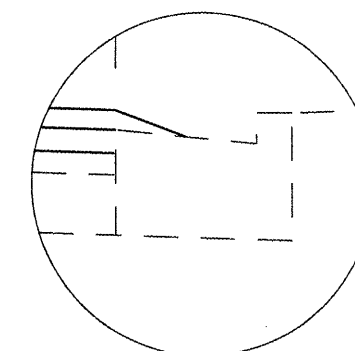
STA 53+10.03 TO STA 59+85 (LT)
 STA 53+10.03 TO STA 62+02 (RT)

① IS 5 1/2 FROM STA 58+50 TO STA 62+02



PROPOSED TYPICAL

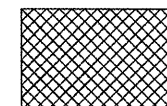
STA 53+10.03 TO STA 59+85 (LT)
 STA 53+10.03 TO STA 62+02 (RT)



C&G DETAIL

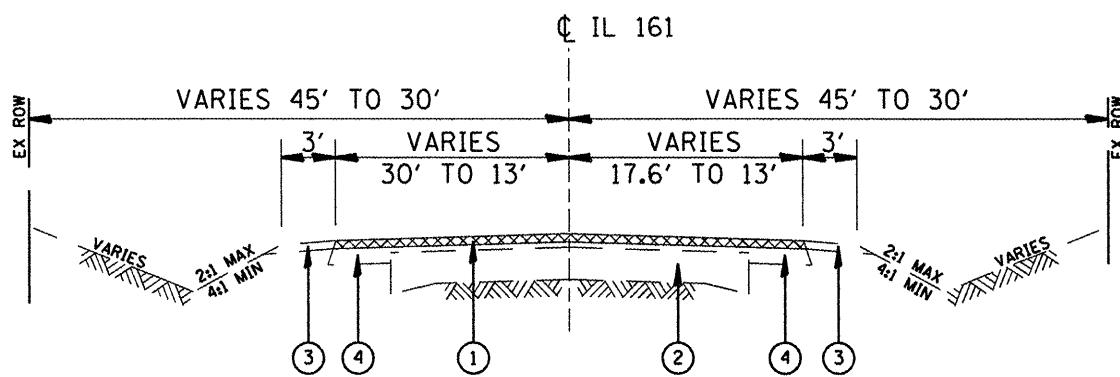
LEGEND

- ① EXISTING BITUMINOUS CONCRETE (VARIES 5 1/2 " TO 9 1/4 ")
- ② EXISTING PCC PAVEMENT, (9"-6"-9")
- ③ EXISTING AGGREGATE SHOULDERS
- ④ EXISTING STABILIZED BASE COURSE (BAM), 9"
- ⑤ EXISTING STABILIZED SHOULDERS, (8")
- ⑥ EXISTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- ⑦ EXISTING PCC SIDEWALK, (4")
- ⑧ PROPOSED LEVELING BINDER 3/4"
- ⑨ PROPOSED HMA SURFACE COURSE 1 1/2"
- ⑩ PROPOSED AGGREGATE (PRIME COAT)
- ⑪ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- ⑫ PROPOSED HMA SHOULDERS
- ⑬ PROPOSED AGGREGATE WEDGE, TYPE B



HMA SURFACE REMOVAL 1 1/2"

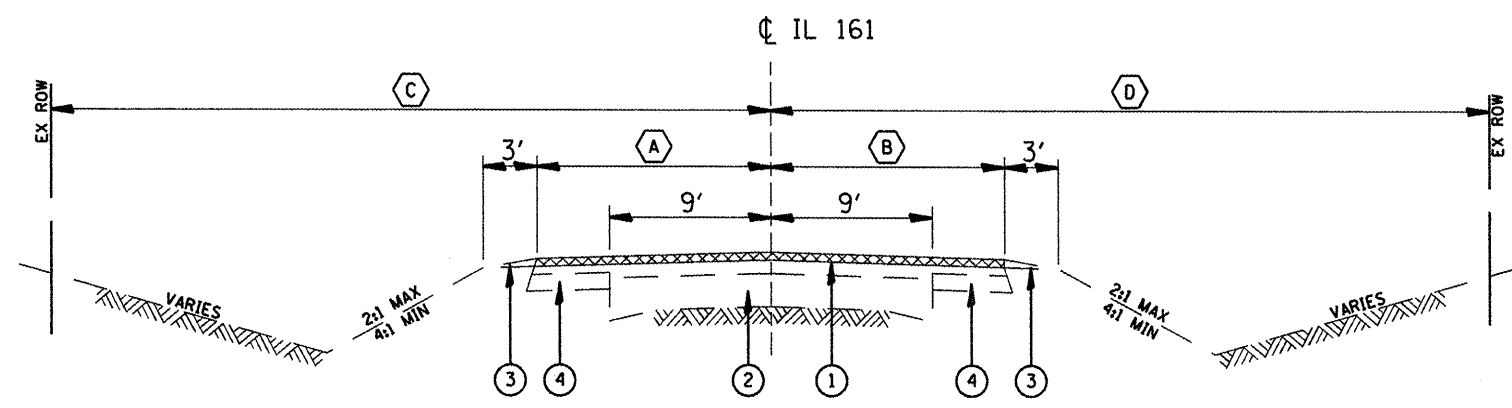
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		CHECKED - ---	REVISED - ---		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		PLDT SCALE = #SCALE#	REVISED - ---									
		PLDT DATE = #DATE#	DATE - ---									



EXISTING TYPICAL

STA 59+85 TO STA 63+36 (LT)
STA 62+02 TO STA 63+36 (RT)

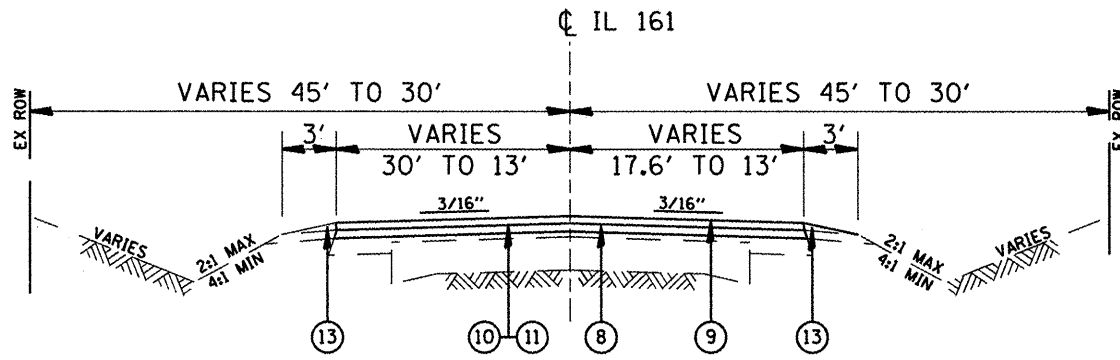
① IS 5 1/2" FROM STA 62+02 TO STA 63+36



EXISTING TYPICAL

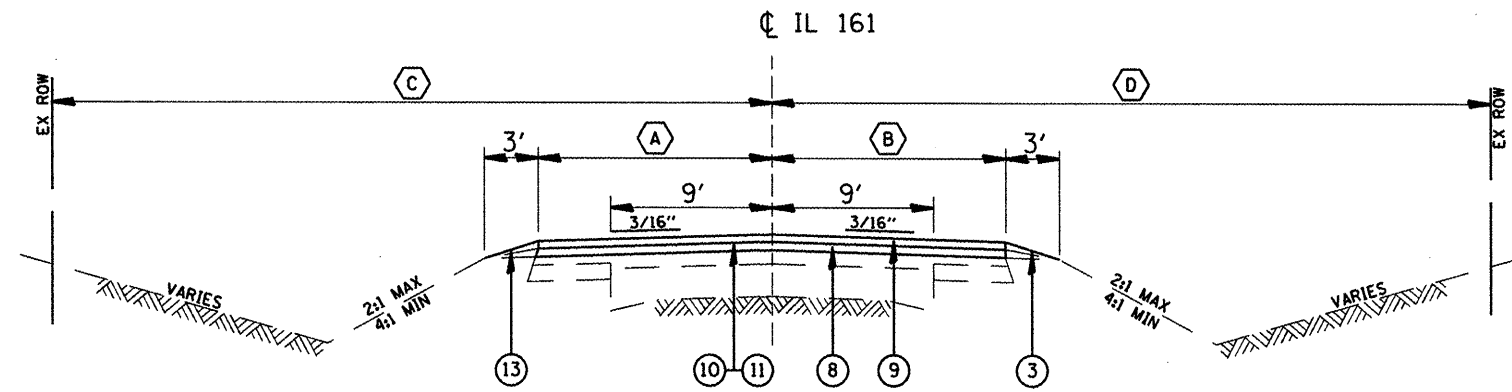
STA 63+36 TO STA 130+52.6

① IS 9 1/4" FROM STA 63+36 TO STA 130+52.6



PROPOSED TYPICAL

STA 59+85 TO STA 63+36 (LT)
STA 62+02 TO STA 63+36 (RT)



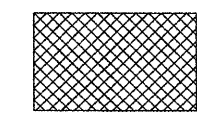
PROPOSED TYPICAL

STA 63+36 TO STA 130+52.6

- Ⓐ IS 13' FROM STA 63+36 TO STA 95+00
VARIES FROM 13' TO 21.7' FROM STA 95+00 TO STA 103+50
VARIES FROM 21.7' TO 12' FROM STA 103+50 TO STA 130+52.6
- Ⓑ IS 13' FROM STA 63+36 TO STA 95+00
VARIES FROM 13' TO 26.5' FROM STA 95+00 TO STA 103+50
VARIES FROM 26.5' TO 12' FROM STA 103+50 TO STA 130+52.6
- Ⓒ IS 30' FROM STA 63+36 TO STA 95+00
VARIES FROM 30' TO 62.3' FROM STA 95+00 TO STA 103+50
VARIES FROM 62.3' TO 30' FROM STA 103+50 TO STA 130+52.6
- Ⓓ IS 30' FROM STA 63+36 TO STA 95+00
VARIES FROM 30' TO 62.3' FROM STA 95+00 TO STA 103+50
VARIES FROM 62.3' TO 30' FROM STA 103+50 TO STA 130+52.6

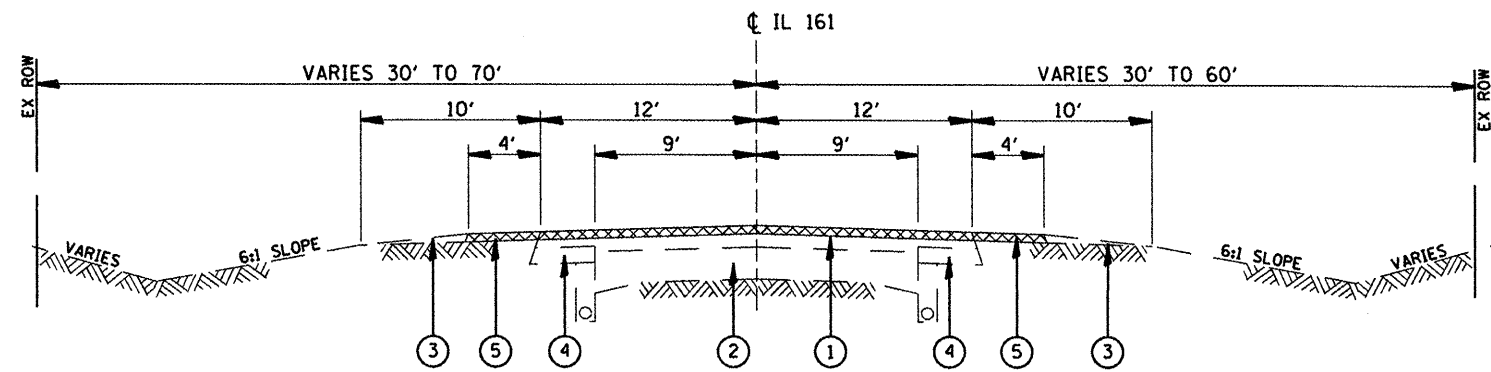
LEGEND

- ① EXISTING BITUMINOUS CONCRETE (VARIES 5 1/2" TO 9 1/4")
- ② EXISTING PCC PAVEMENT, (9'-6"-9")
- ③ EXISTING AGGREGATE SHOULDERS
- ④ EXISTING STABILIZED BASE COURSE (BAM), 9"
- ⑤ EXISTING STABILIZED SHOULDERS, (8")
- ⑥ EXISTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- ⑦ EXISTING PCC SIDEWALK, (4")
- ⑧ PROPOSED LEVELING BINDER 3/4"
- ⑨ PROPOSED HMA SURFACE COURSE 1 1/2"
- ⑩ PROPOSED AGGREGATE (PRIME COAT)
- ⑪ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- ⑫ PROPOSED HMA SHOULDERS
- ⑬ PROPOSED AGGREGATE WEDGE, TYPE B



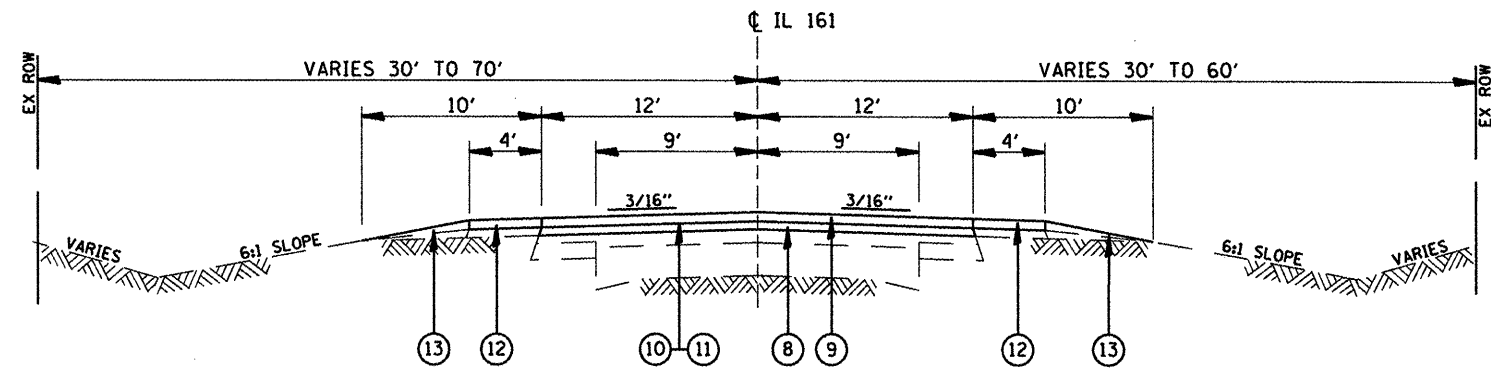
HMA SURFACE REMOVAL 1 1/2"

FILE NAME *	USER NAME * #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - ---	REVISED - ---			805	10185	MARION	62	8
		CHECKED - ---	REVISED - ---			CONTRACT NO. 1BR46		FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT		
		PLOT SCALE = #SCALE#			SCALE: ---	SHEET NO. 2 OF 4 SHEETS		STA. ---	TO STA. ---	
		PLOT DATE = #DATE#								



EXISTING TYPICAL
STA 130+52.6 TO STA 143+50

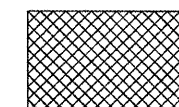
① IS 8 1/2" FROM STA 130+52.6 TO STA 143+50



PROPOSED TYPICAL
STA 130+52.6 TO STA 143+50

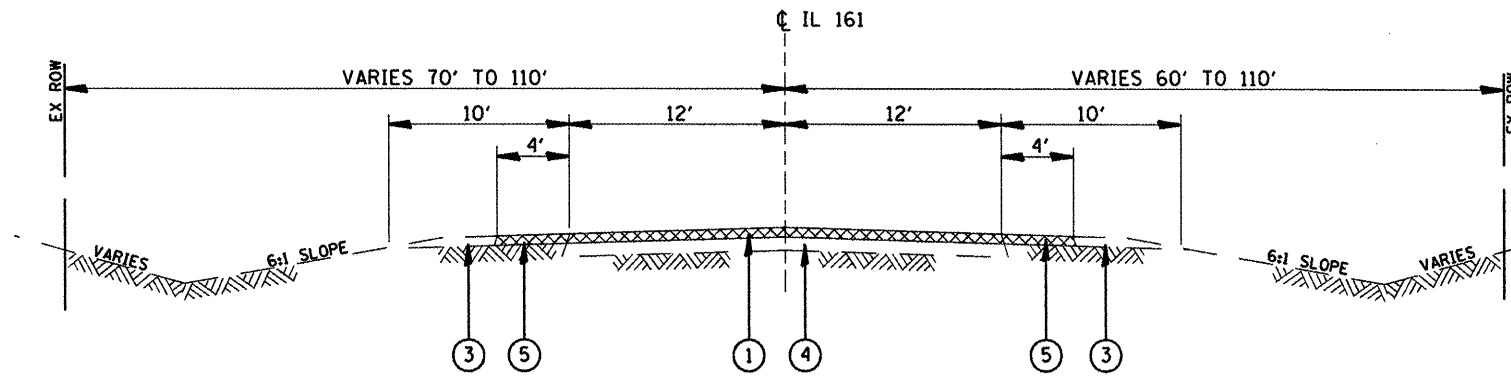
LEGEND

- ① EXISTING BITUMINOUS CONCRETE (VARIES 5 1/2" TO 9 1/4")
- ② EXISTING PCC PAVEMENT, (9"-6"-9")
- ③ EXISTING AGGREGATE SHOULDERS
- ④ EXISTING STABILIZED BASE COURSE (BAM), 9"
- ⑤ EXISTING STABILIZED SHOULDERS, (8")
- ⑥ EXISTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- ⑦ EXISTING PCC SIDEWALK, (4")
- ⑧ PROPOSED LEVELING BINDER 3/4"
- ⑨ PROPOSED HMA SURFACE COURSE 1 1/2"
- ⑩ PROPOSED AGGREGATE (PRIME COAT)
- ⑪ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- ⑫ PROPOSED HMA SHOULDERS
- ⑬ PROPOSED AGGREGATE WEDGE, TYPE B



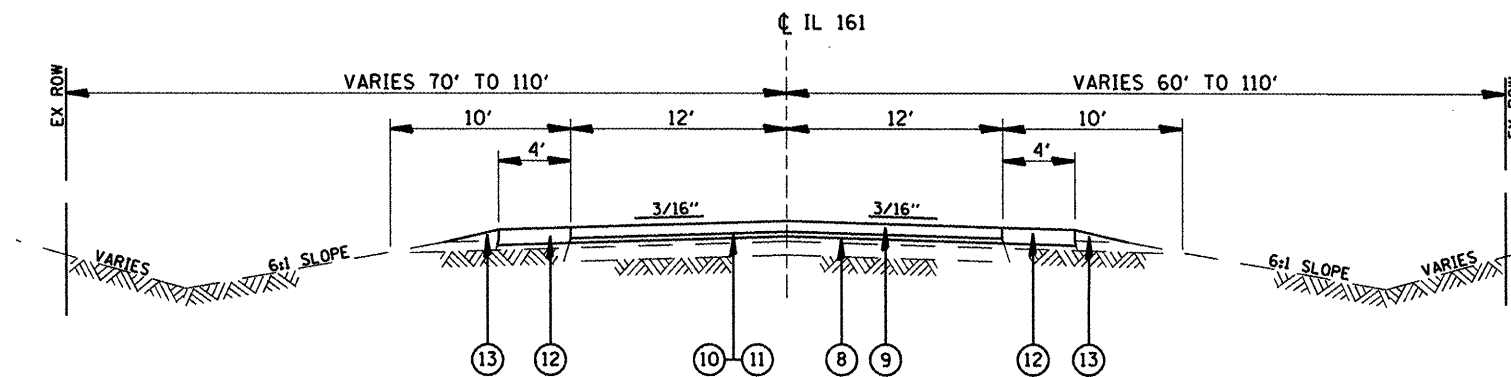
HMA SURFACE REMOVAL 1 1/2"

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION	F.A.P. RTE. 805	SECTION 1Q185	COUNTY MARION	TOTAL SHEETS 62	SHEET NO. 9
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	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---		SHEET NO. 3 OF 4 SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			
	PLOT DATE = #DATE#	DATE - -----	REVISED - ---				CONTRACT NO. 76D46			



EXISTING TYPICAL
STA 143+50 TO STA 181+00

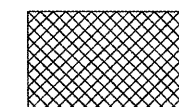
① IS 8 1/2" FROM STA 143+50 TO STA 181+00



PROPOSED TYPICAL
STA 143+50 TO STA 181+00

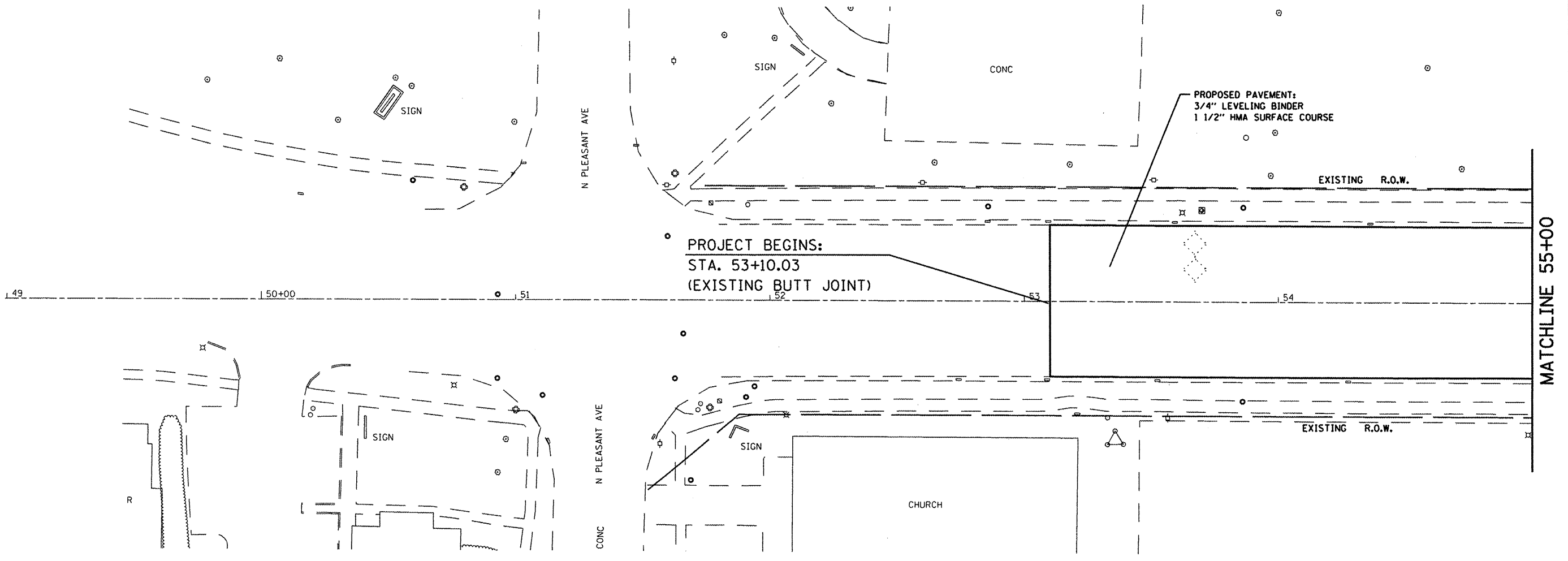
LEGEND

- ① EXISTING BITUMINOUS CONCRETE (VARIES 5 1/2" TO 9 1/4")
- ② EXISTING PCC PAVEMENT, (9"-6"-9")
- ③ EXISTING AGGREGATE SHOULDERS
- ④ EXISTING STABILIZED BASE COURSE (BAM), 9"
- ⑤ EXISTING STABILIZED SHOULDERS, (8")
- ⑥ EXISTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- ⑦ EXISTING PCC SIDEWALK, (4")
- ⑧ PROPOSED LEVELING BINDER 3/4"
- ⑨ PROPOSED HMA SURFACE COURSE 1 1/2"
- ⑩ PROPOSED AGGREGATE (PRIME COAT)
- ⑪ PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- ⑫ PROPOSED HMA SHOULDERS
- ⑬ PROPOSED AGGREGATE WEDGE, TYPE B

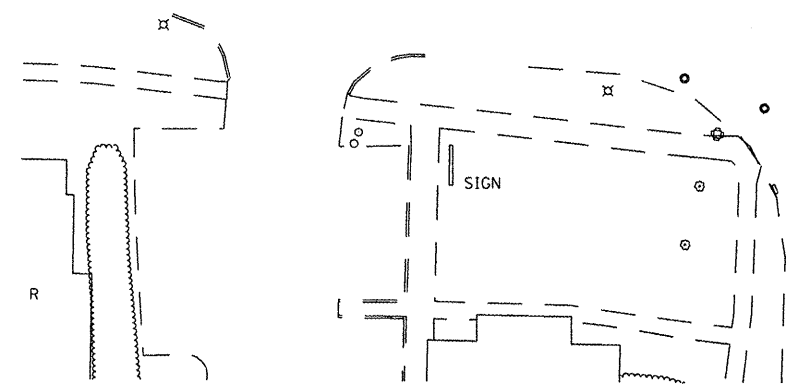


HMA SURFACE REMOVAL 1 1/2"

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		DATE -	REVISED -		SCALE: ---	SHEET NO. 1 OF 4 SHEETS		STA. --- TO STA. ---		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT										



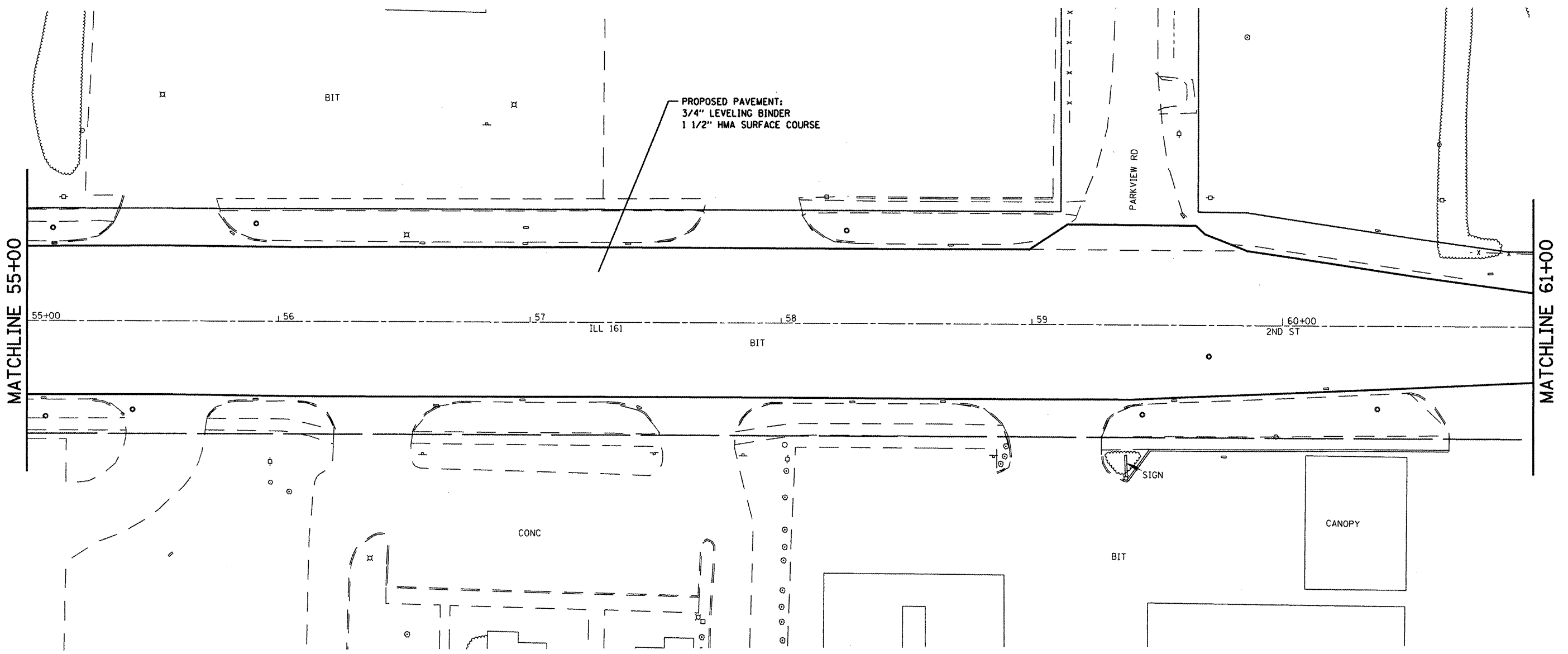
149 150+00 151 152 153 154



PROJECT BEGINS:
STA. 53+10.03
(EXISTING BUTT JOINT)

PROPOSED PAVEMENT:
3/4" LEVELING BINDER
1 1/2" HMA SURFACE COURSE

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET		F.A.P. RTE. #805	SECTION 10185	COUNTY MARION	TOTAL SHEETS 62	SHEET NO. 11
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MATCHLINE 55+00

MATCHLINE 61+00

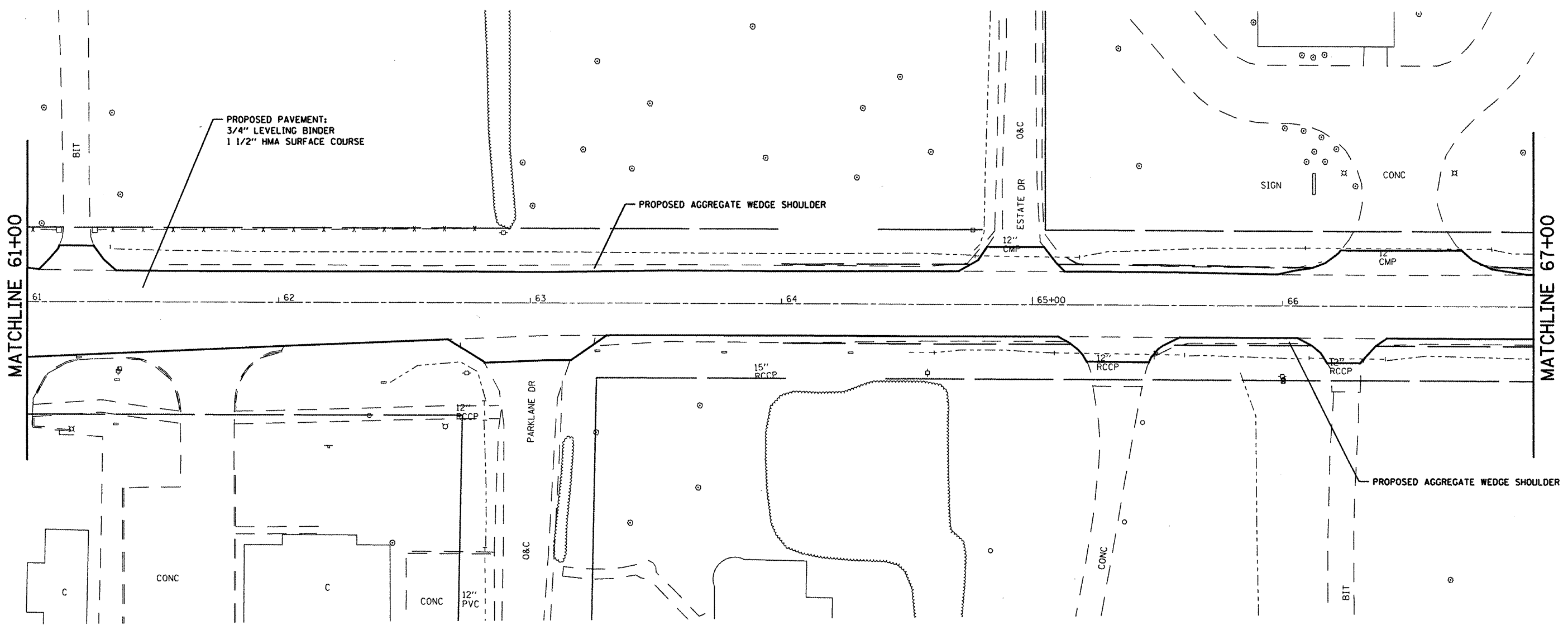
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. _805	SECTION _10185	COUNTY _WARREN	TOTAL SHEETS _62	SHEET NO. _12
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	

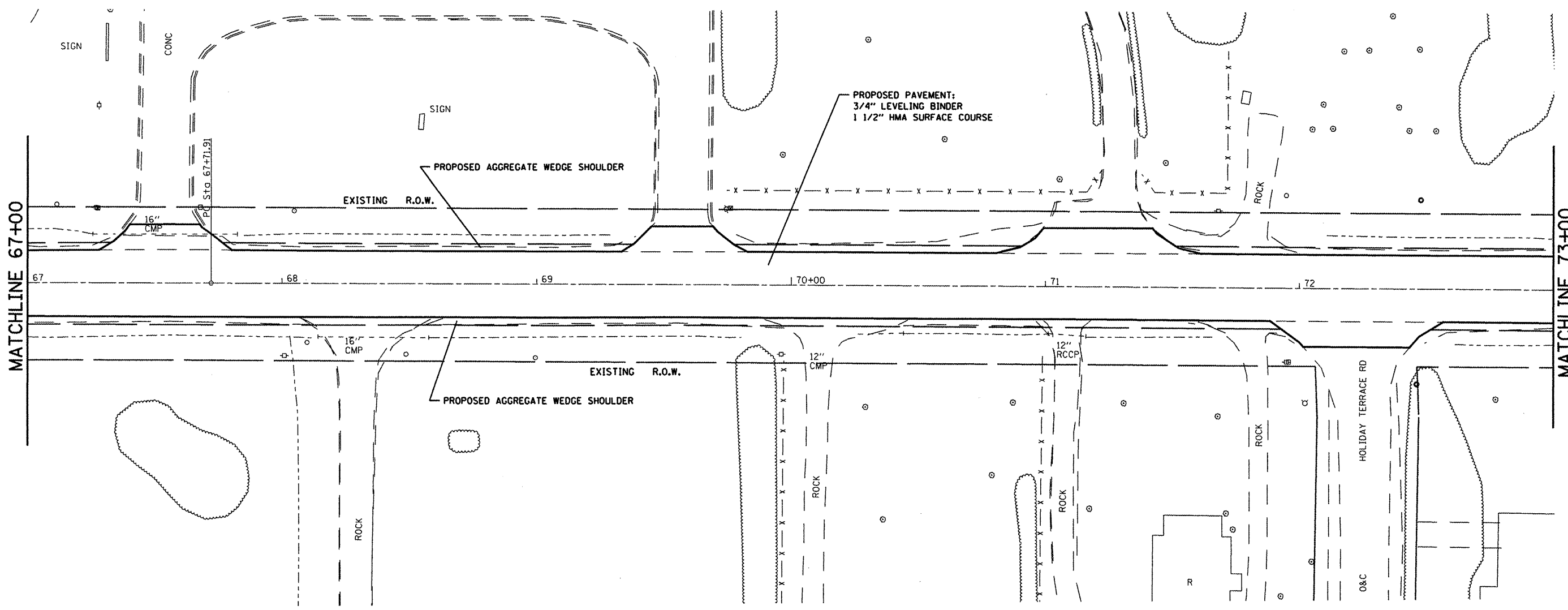


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET	
SCALE: _____	SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

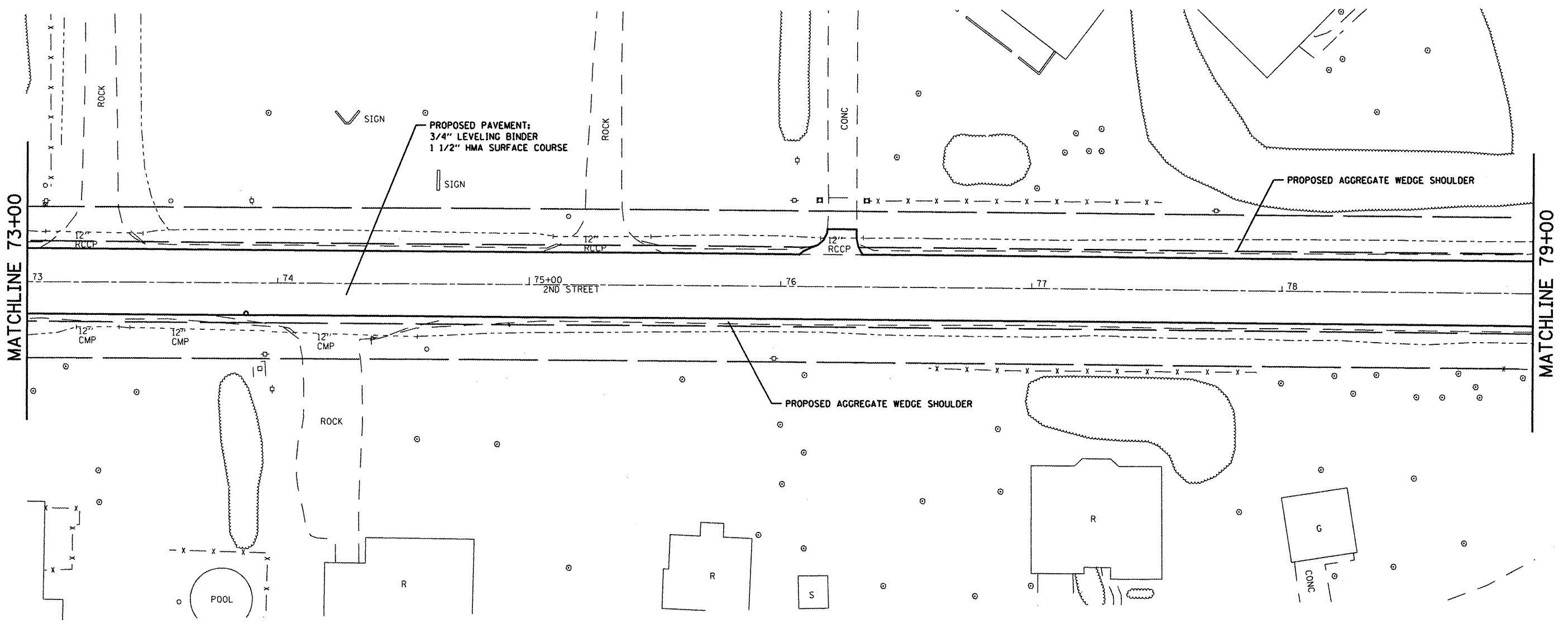
F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	10185	MARION	62	13
CONTRACT NO. 76D46			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	



MATCHLINE 67+00

MATCHLINE 73+00

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET		F.A.P. RTE. 805	SECTION 101B5	COUNTY MARION	TOTAL SHEETS 62	SHEET NO. 19
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MATCHLINE 73+00

MATCHLINE 79+00

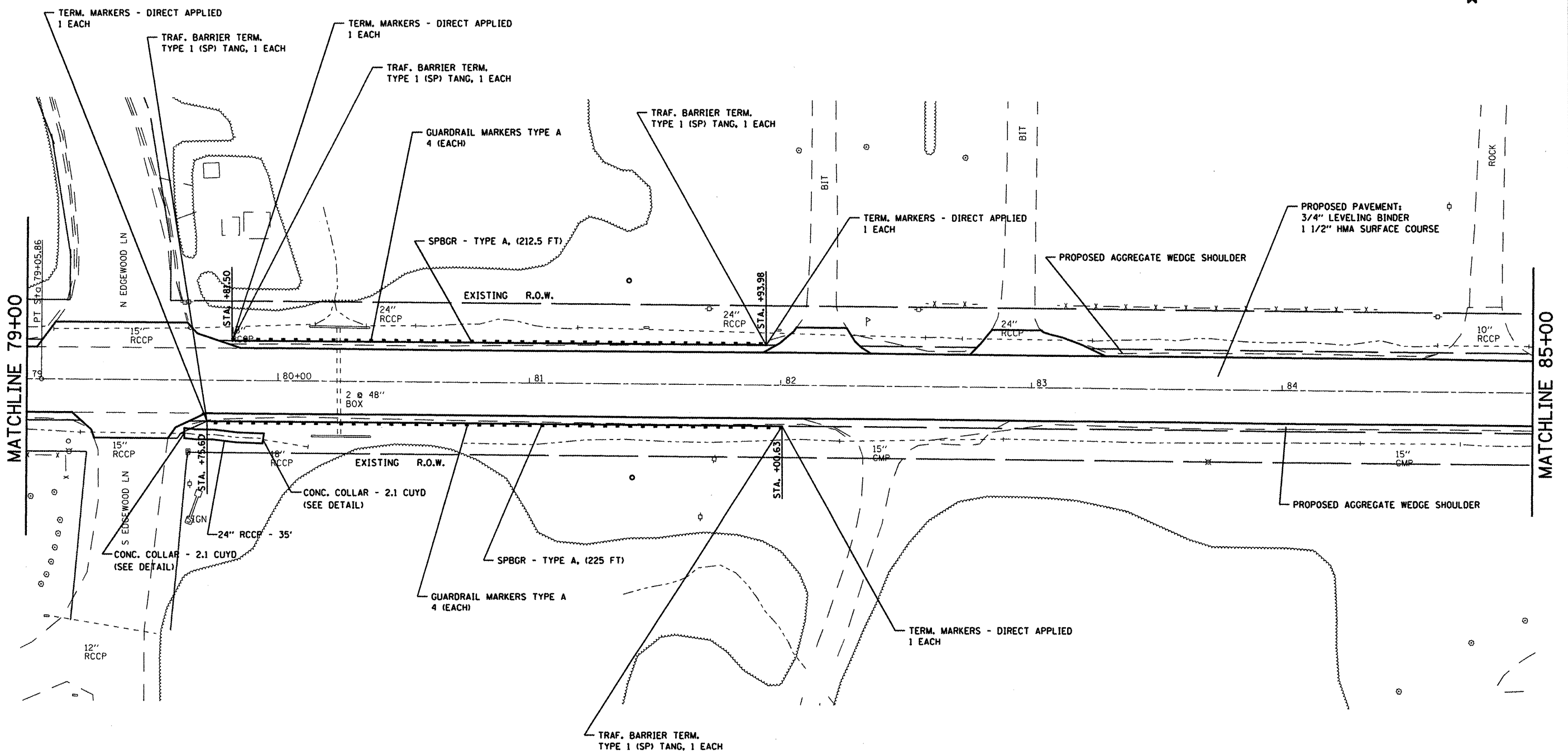
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

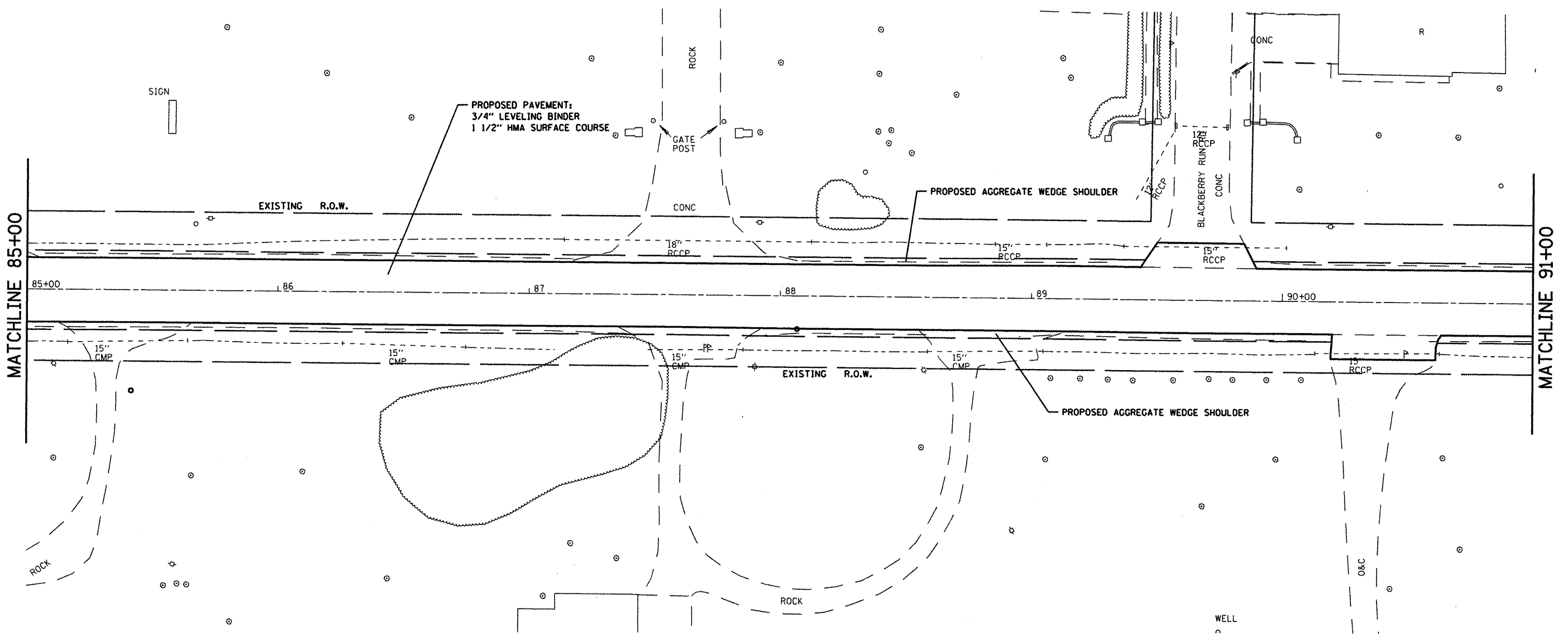
PLAN SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	101BS	MARION	62	15
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 76D46	



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET		F.A.P. RTE. -805	SECTION 10185	COUNTY MADISON	TOTAL SHEETS 62	SHEET NO. 16
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FILE NAME =
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PLOT DATE = #DATE#

DESIGNED - ---
DRAWN - ---
CHECKED - ---
DATE - ---

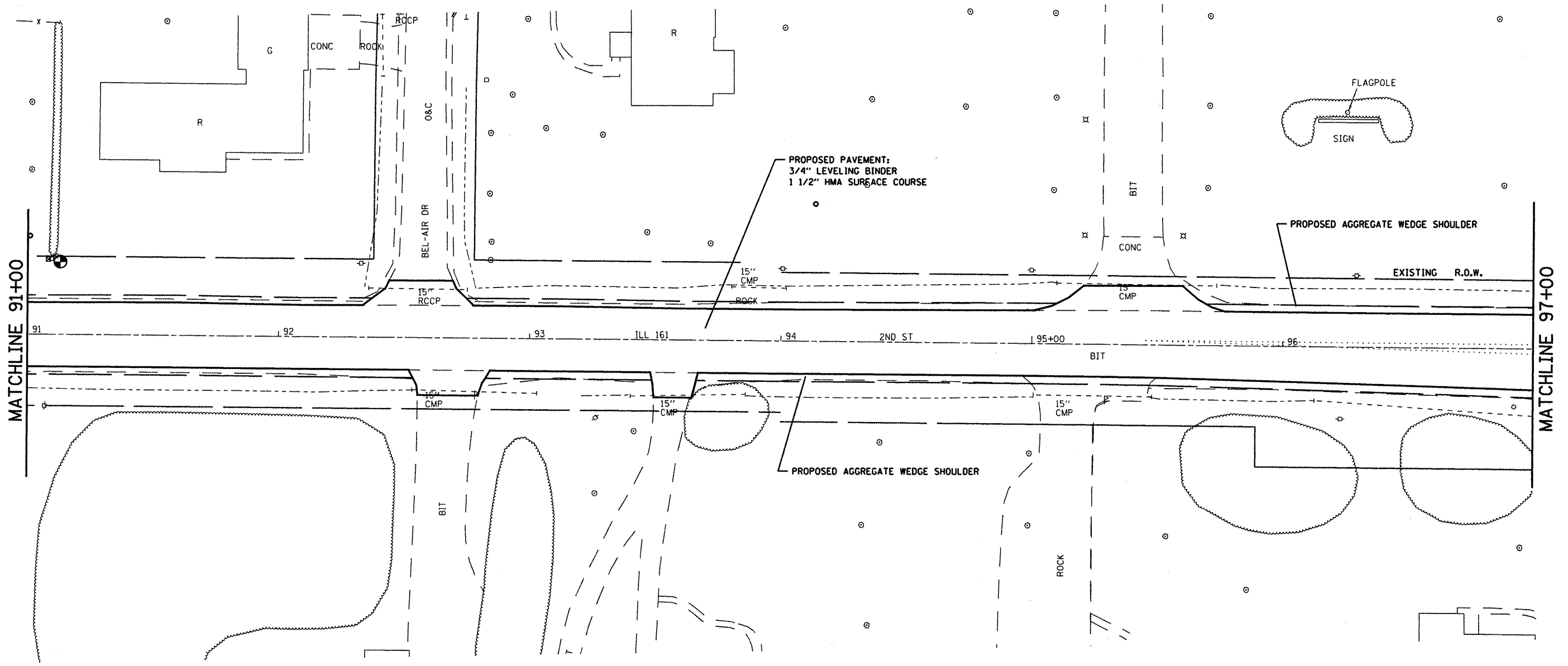
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

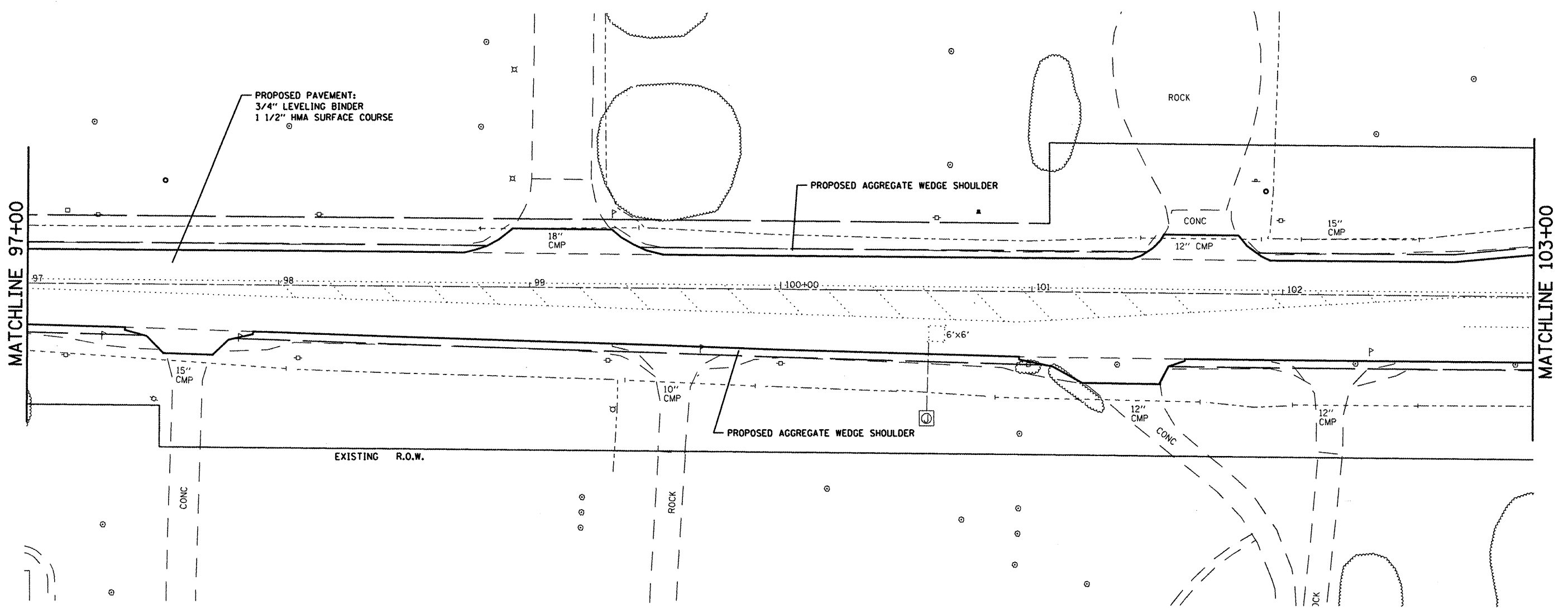
PLAN SHEET

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-805	1018S	MARION	62	17
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76046	



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	PLDT DATE = #DATE#	DATE - ---	REVISED - ---								



FILE NAME =
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DATE - ---

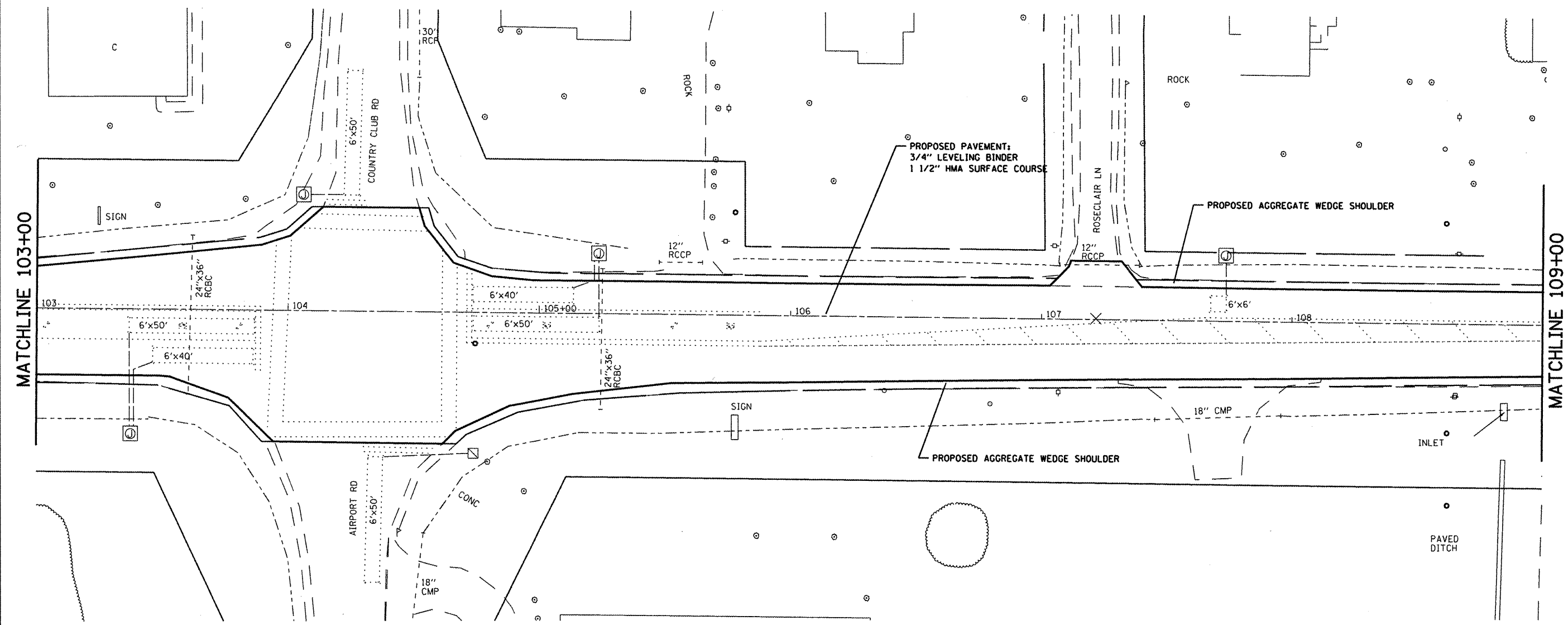
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REVISED - ---
REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	.1018S	WARREN	.62	.19
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



FILE NAME *
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USER NAME * #USER#
DRAWN
CHECKED
DATE

DESIGNED -
DRAWN
CHECKED
DATE

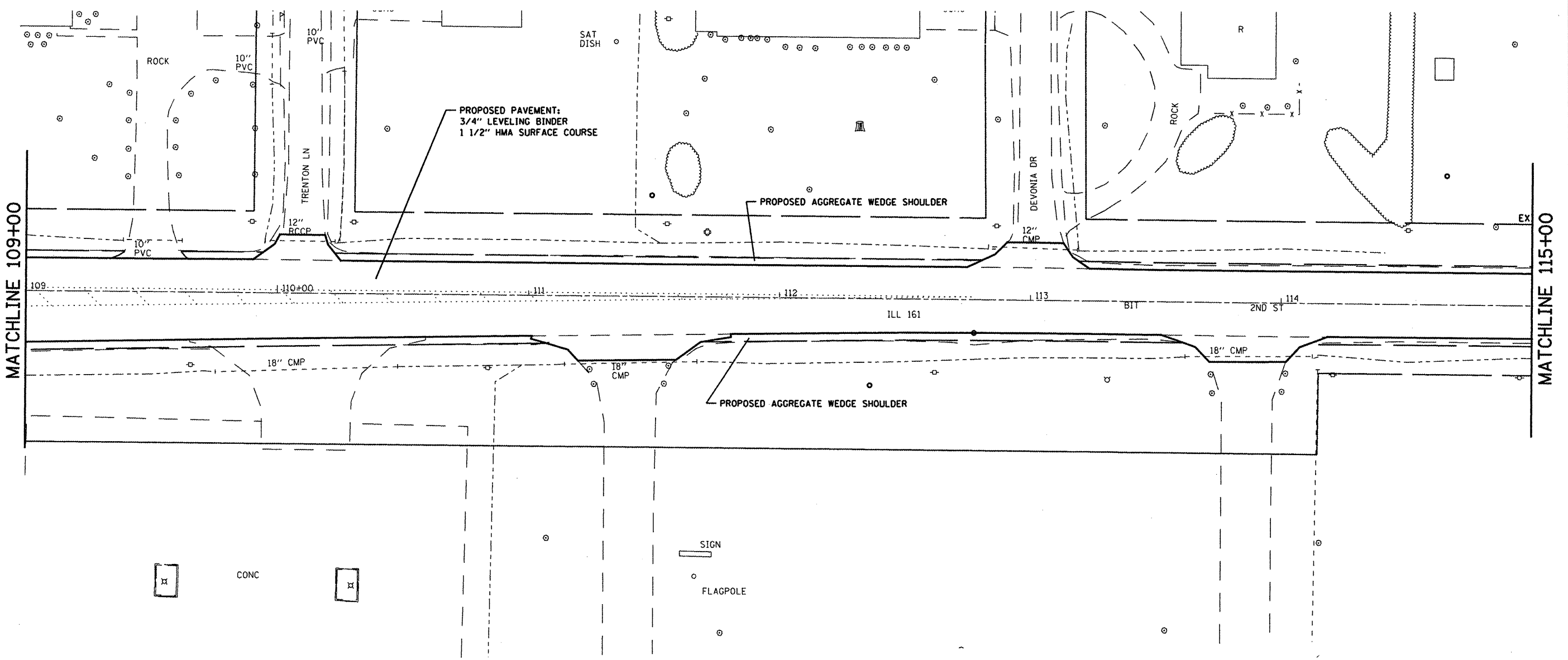
REVISED -
REVISED
REVISED
REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	10185	MARION	62	20
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



MATCHLINE 109+00

MATCHLINE 115+00

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DATE -

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CHECKED -
DATE -

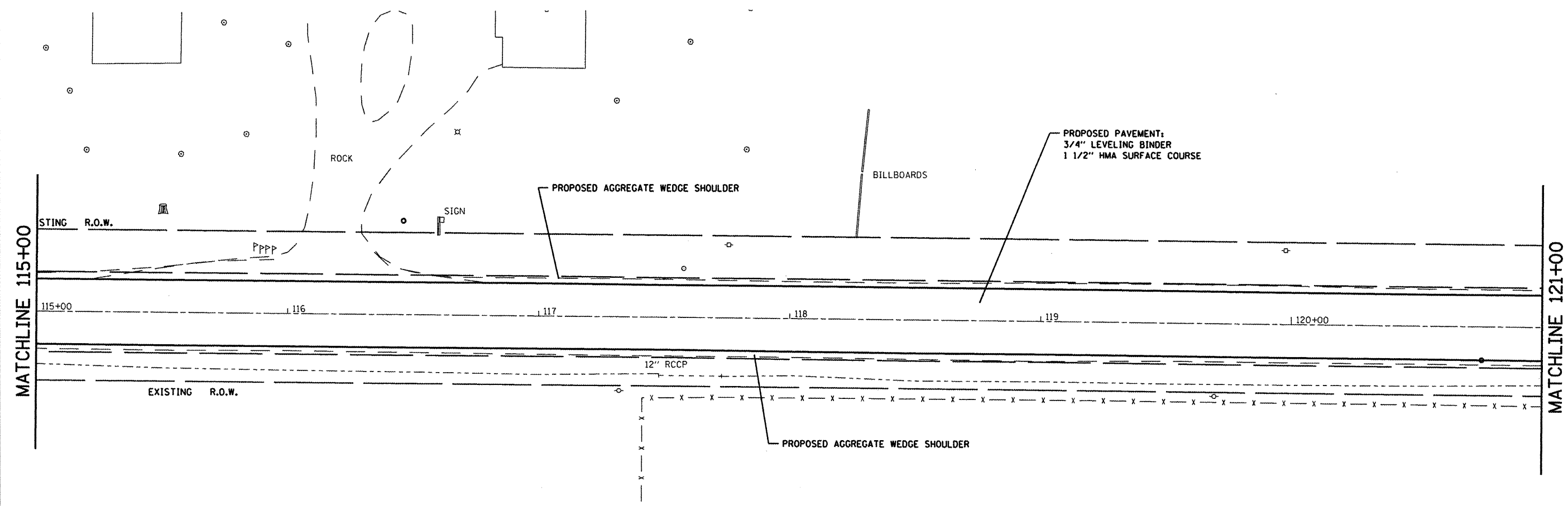
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REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	10185	MARION	62	21
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



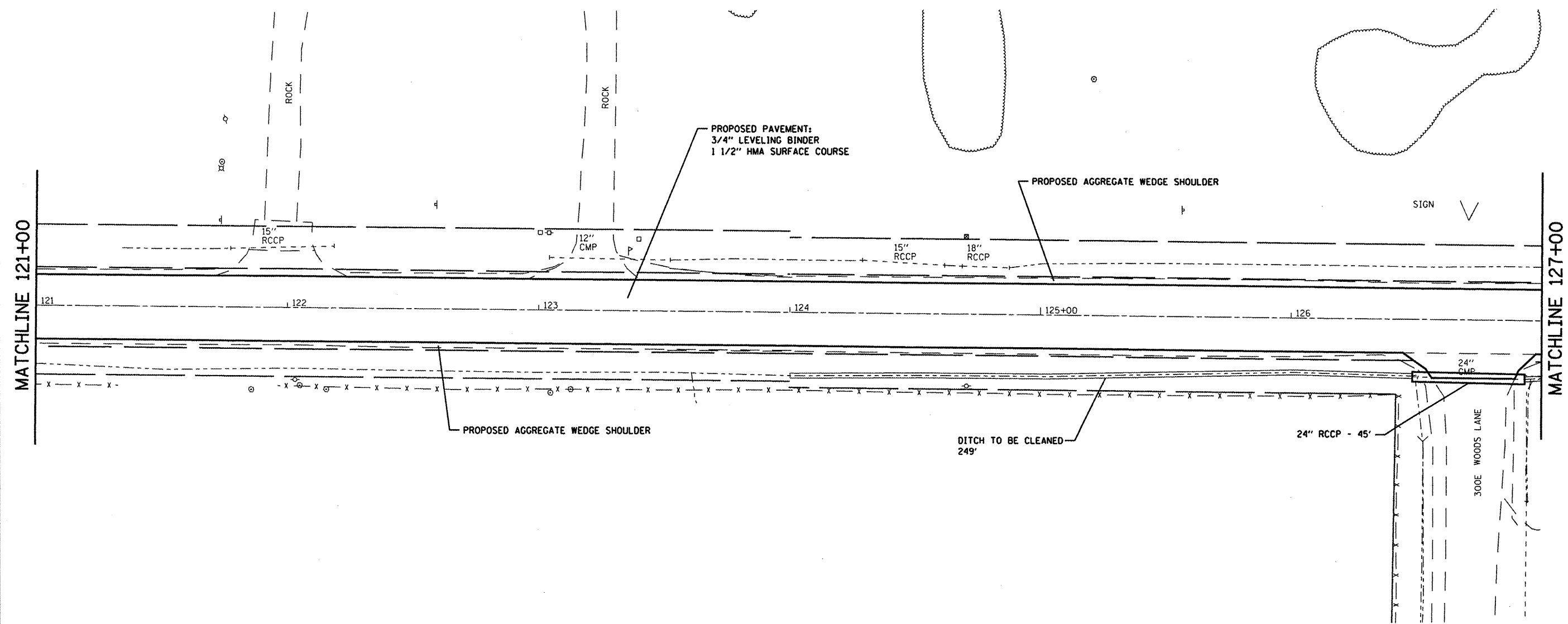
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

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

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	1018S	MARION	62	22
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 16D46	



MATCHLINE 121+00

MATCHLINE 127+00

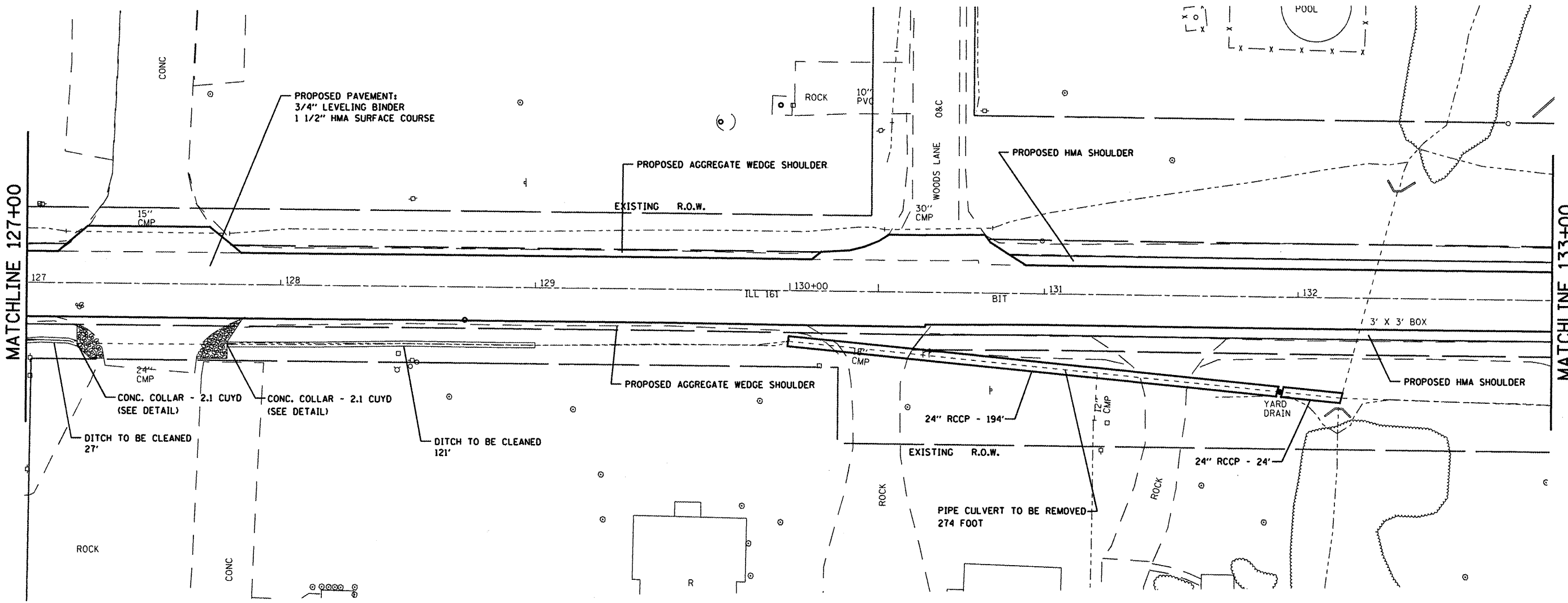
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	1018S	MARION	.62	.23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



MATCHLINE 127+00

MATCHLINE 133+00

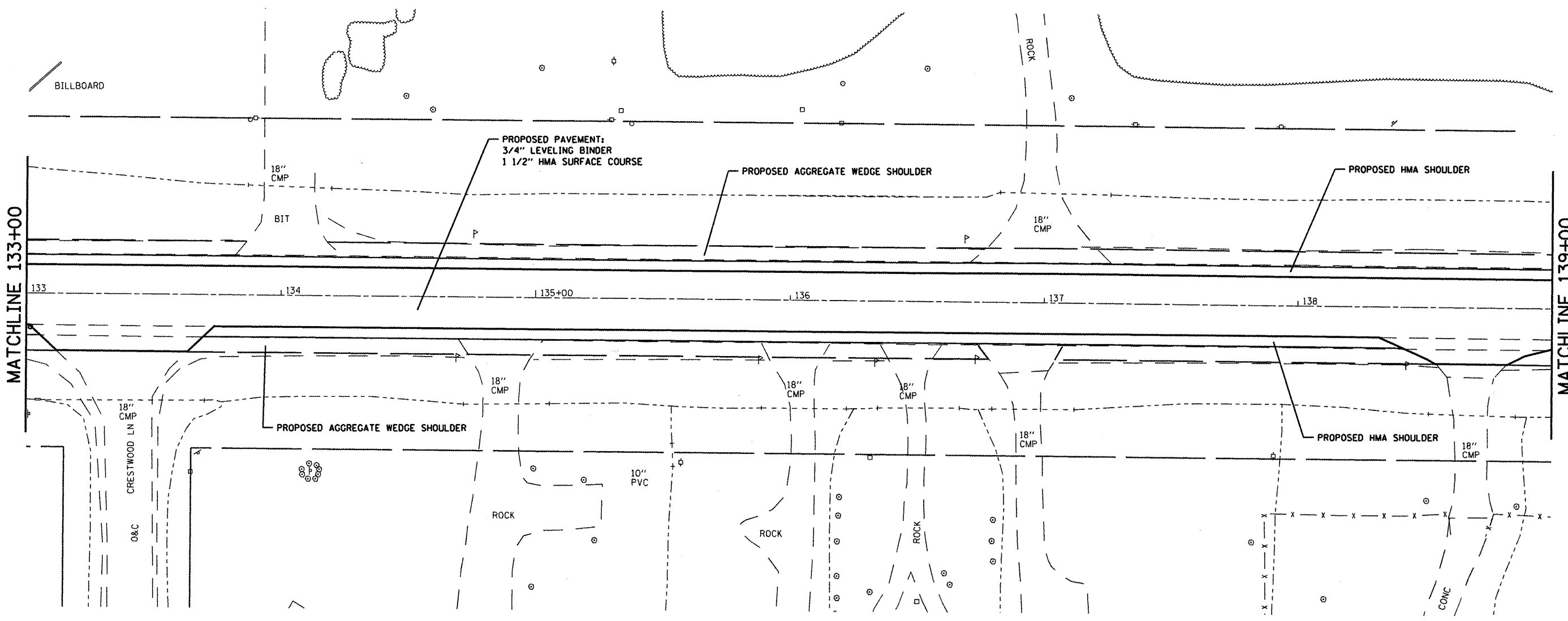
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	1018S	MARION	62	24
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



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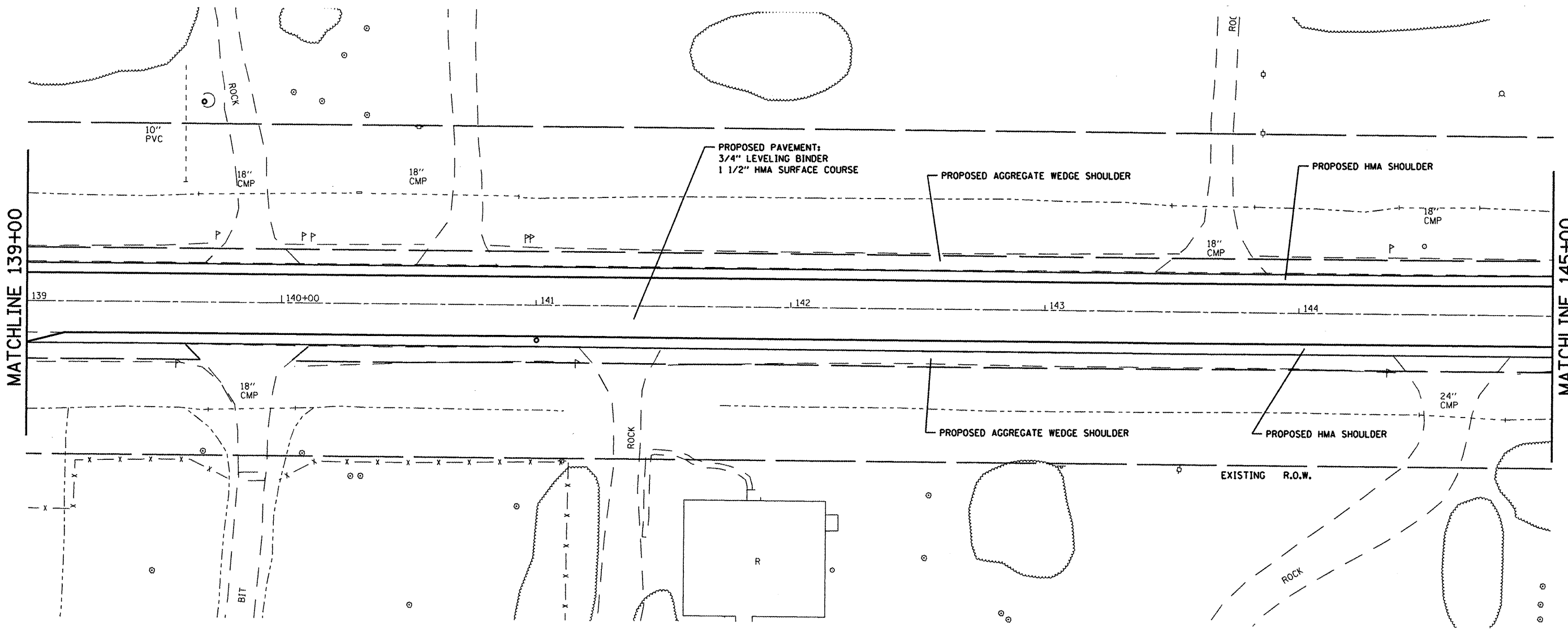
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REVISED - ---
REVISED - ---
REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	1018S	WARREN	62	25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



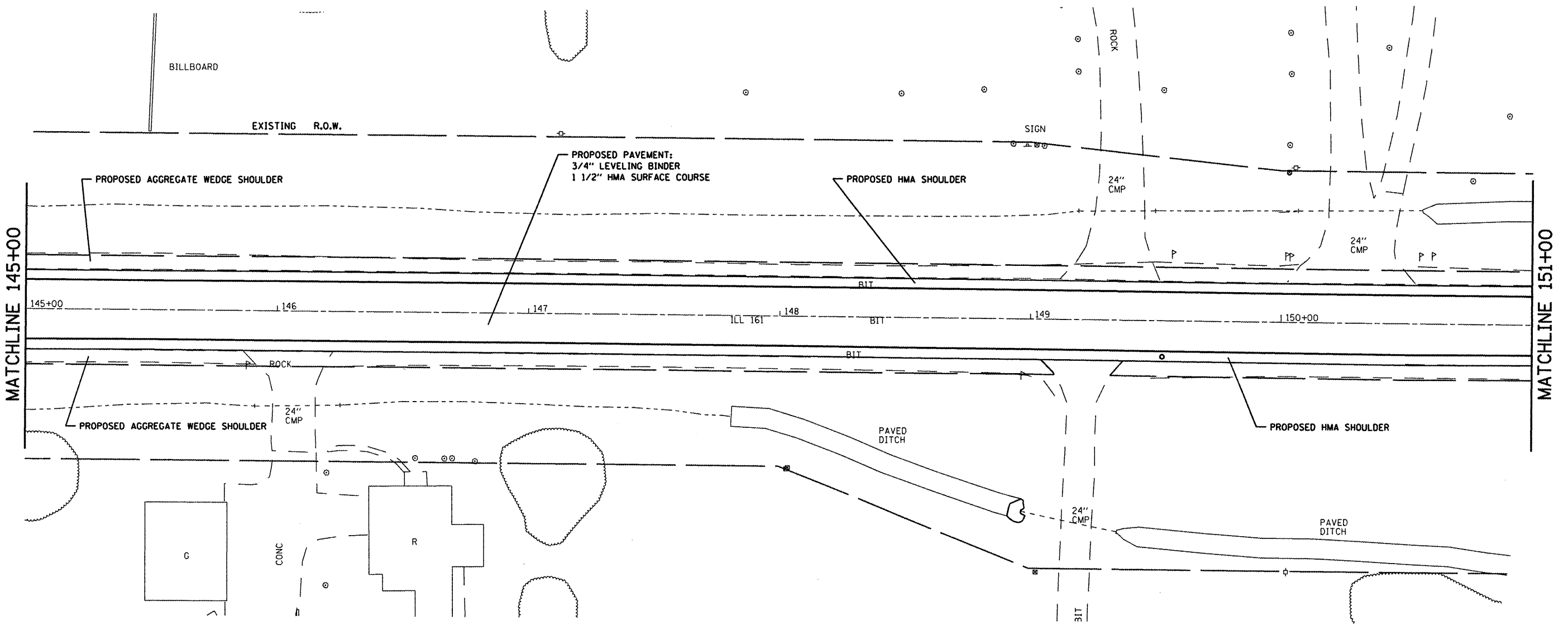
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

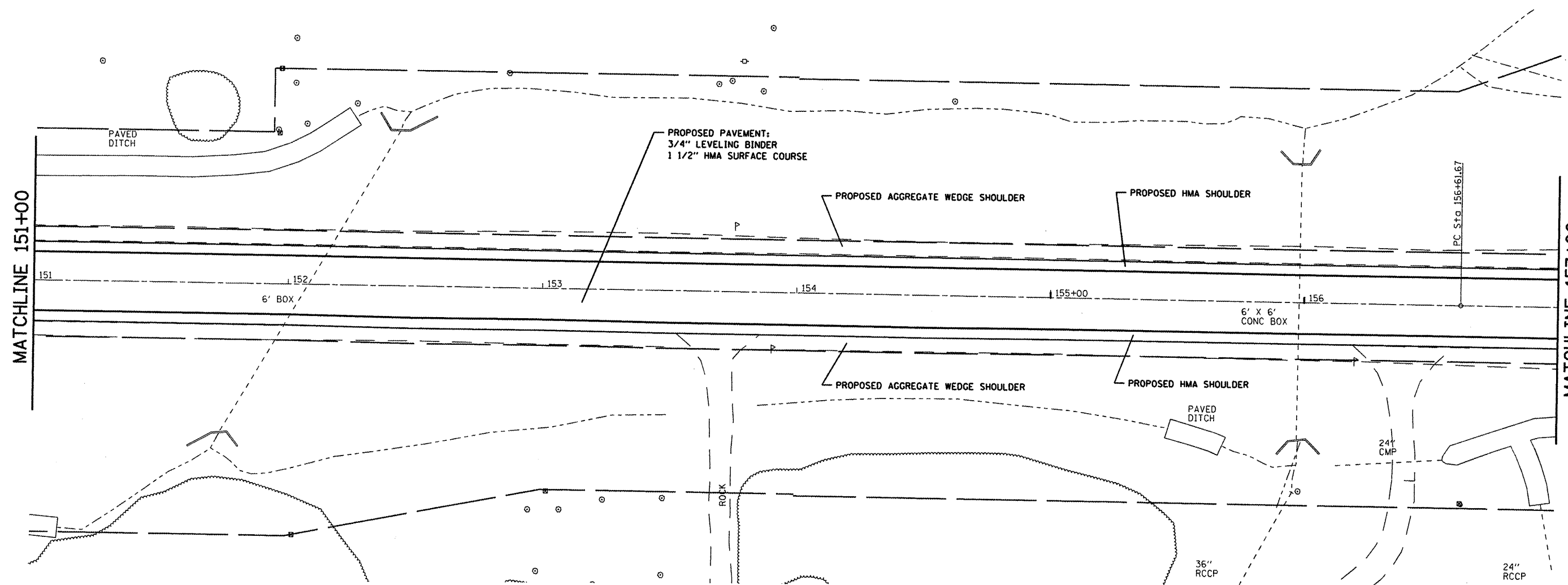
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	10185	WARREN	62	26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



MATCHLINE 145+00

MATCHLINE 151+00

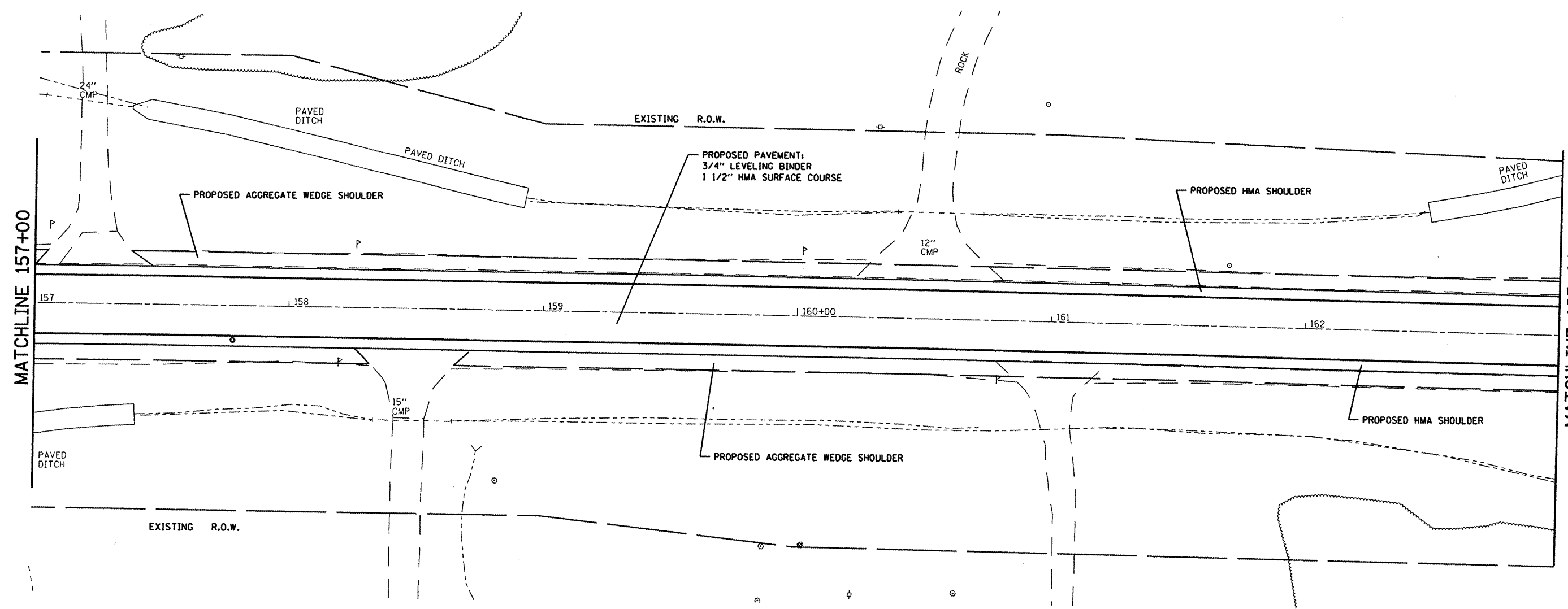
FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET	F.A.P. RTE. #805	SECTION 1Q18S	COUNTY MARION	TOTAL SHEETS 62	SHEET NO. 27	
PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---	SCALE: _____			SHEET NO. ____ OF ____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 76D46			
PLOT DATE = #DATE#	DATE - _____	REVISED - ---	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT								



MATCHLINE 151+00

MATCHLINE 157+00

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILES#	PLDT SCALE = #SCALE#	DRAWN - ---	REVISED - ---			805	101BS	MARION	52	28
PLDT DATE = #DATE#	CHECKED - ---	REVISIED - ---	REVISIED - ---			CONTRACT NO. 76D46				
	DATE - ---	REVISIED - ---	REVISIED - ---			ILLINOIS FED. AID PROJECT				
					SCALE: _____	SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____		



MATCHLINE 157+00

MATCHLINE 163+00

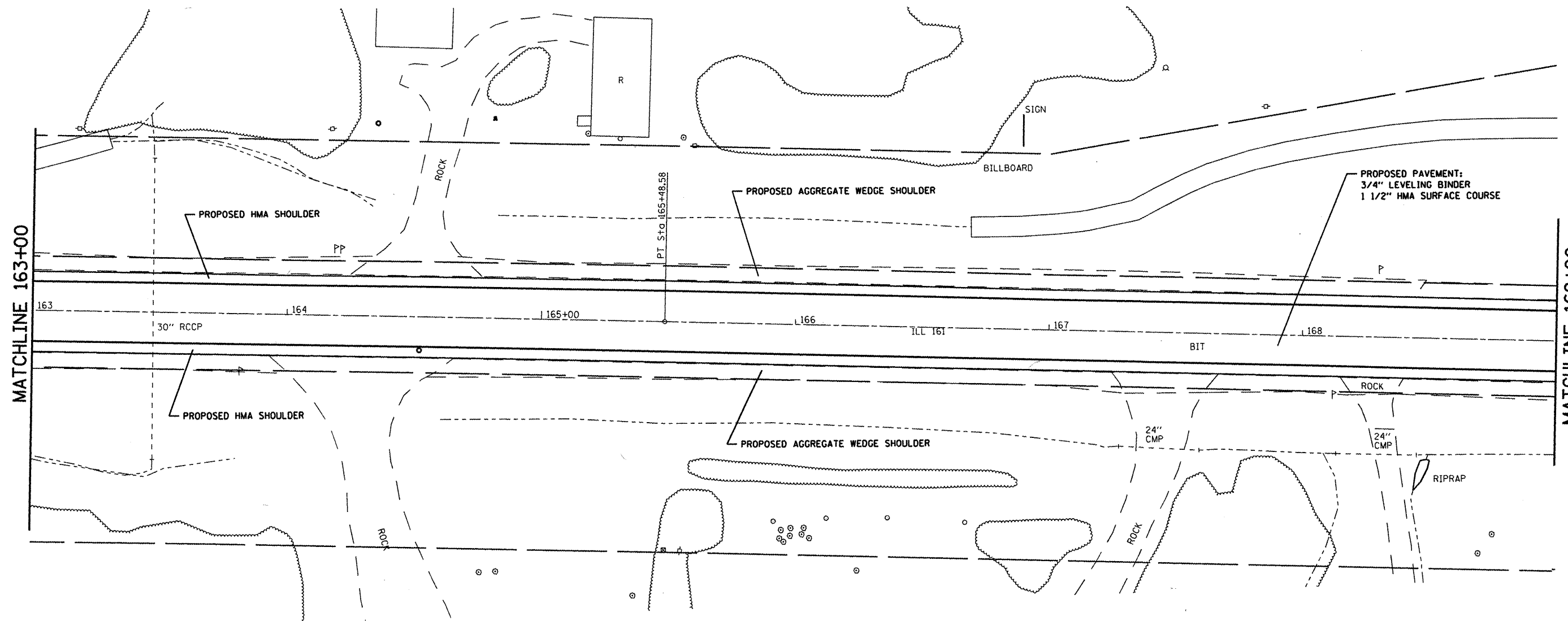
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		DRAWN - ---	REVISED - ---
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	PLOT DATE = #DATE*	DATE - ---	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	1018S	MARION	62	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



MATCHLINE 163+00

MATCHLINE 169+00

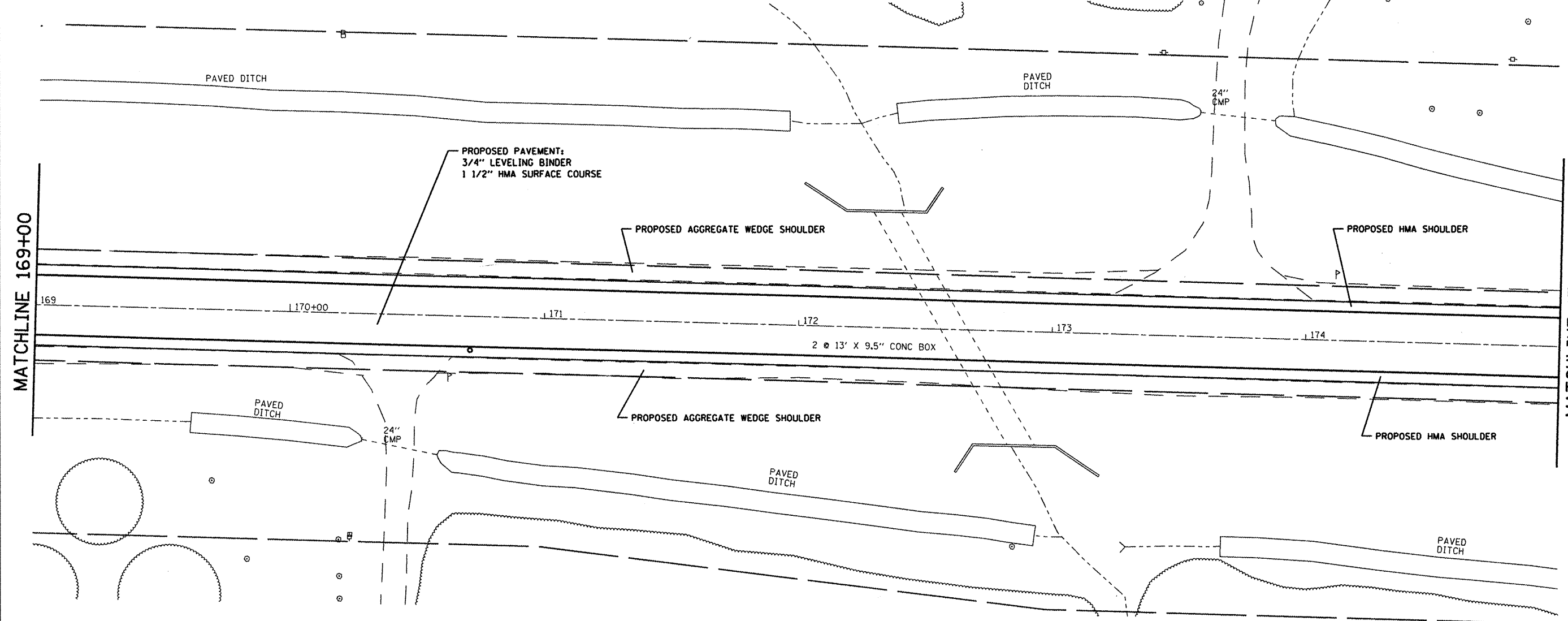
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	1018S	MARION	62	30
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76D46	



MATCHLINE 169+00

MATCHLINE 175+00

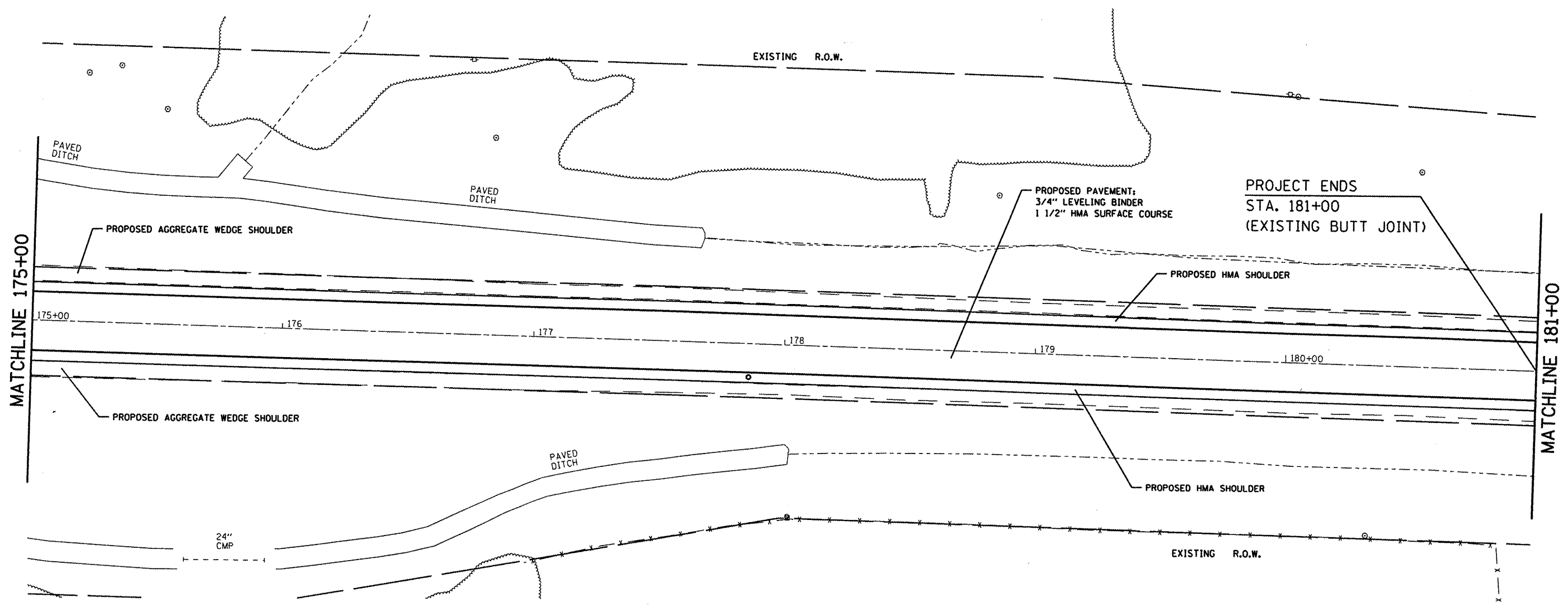
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		DATE - ---	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	101BS	MARION	62	31
FED. ROAD DIST. NO. _____ (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 76D46	



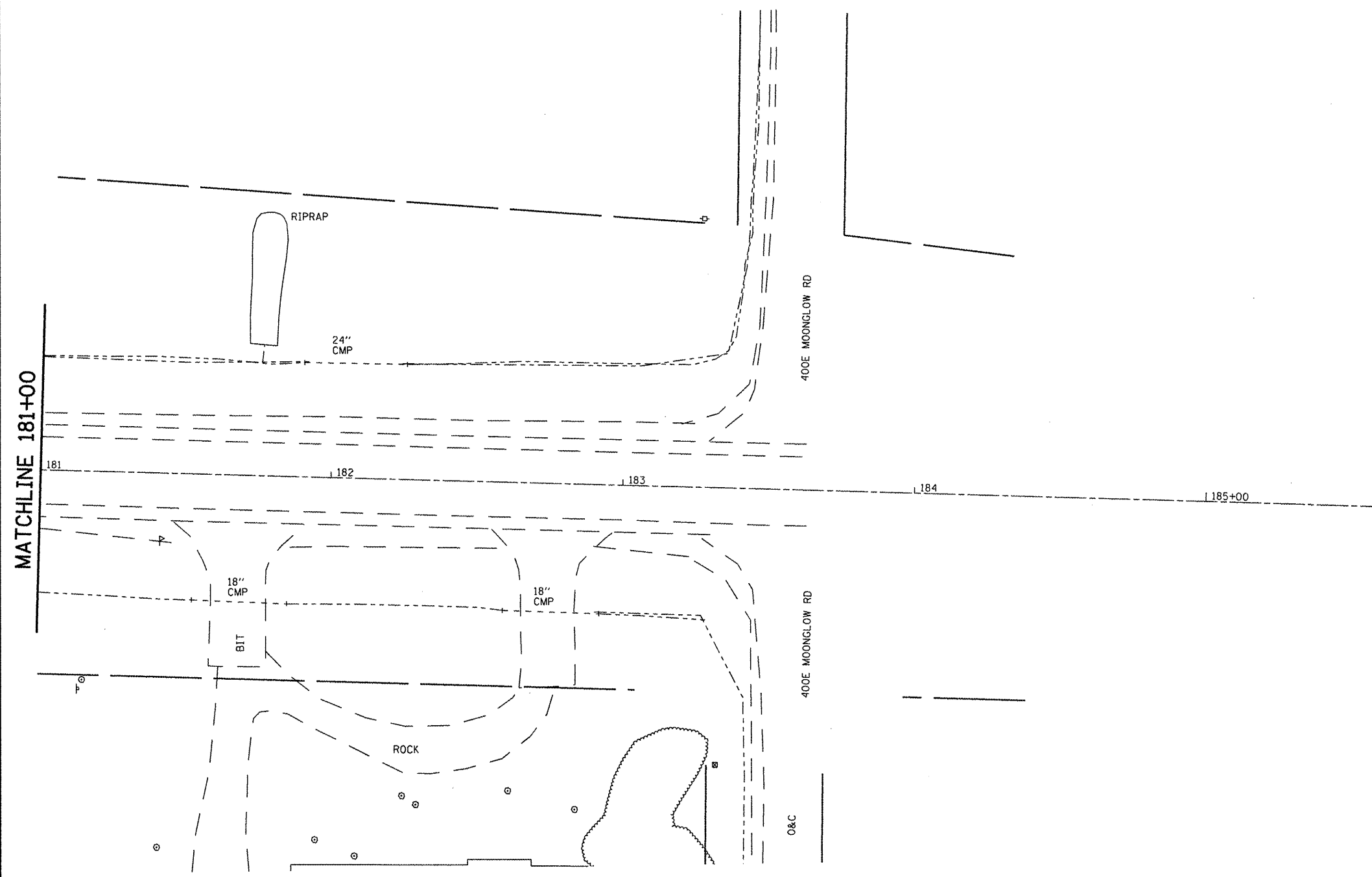
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	1018S	WABION	62	32
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76046	



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DATE - ---

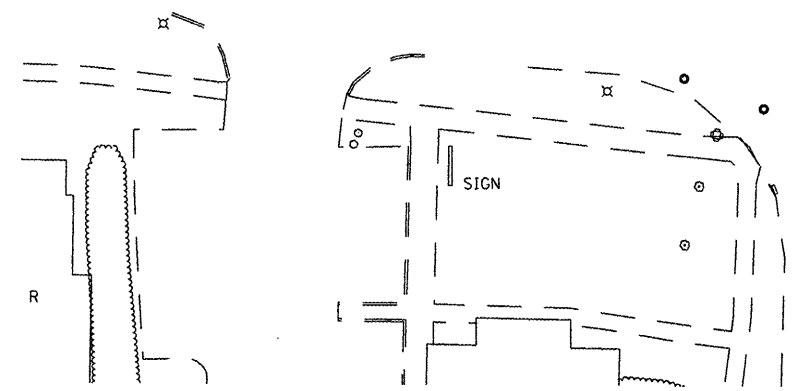
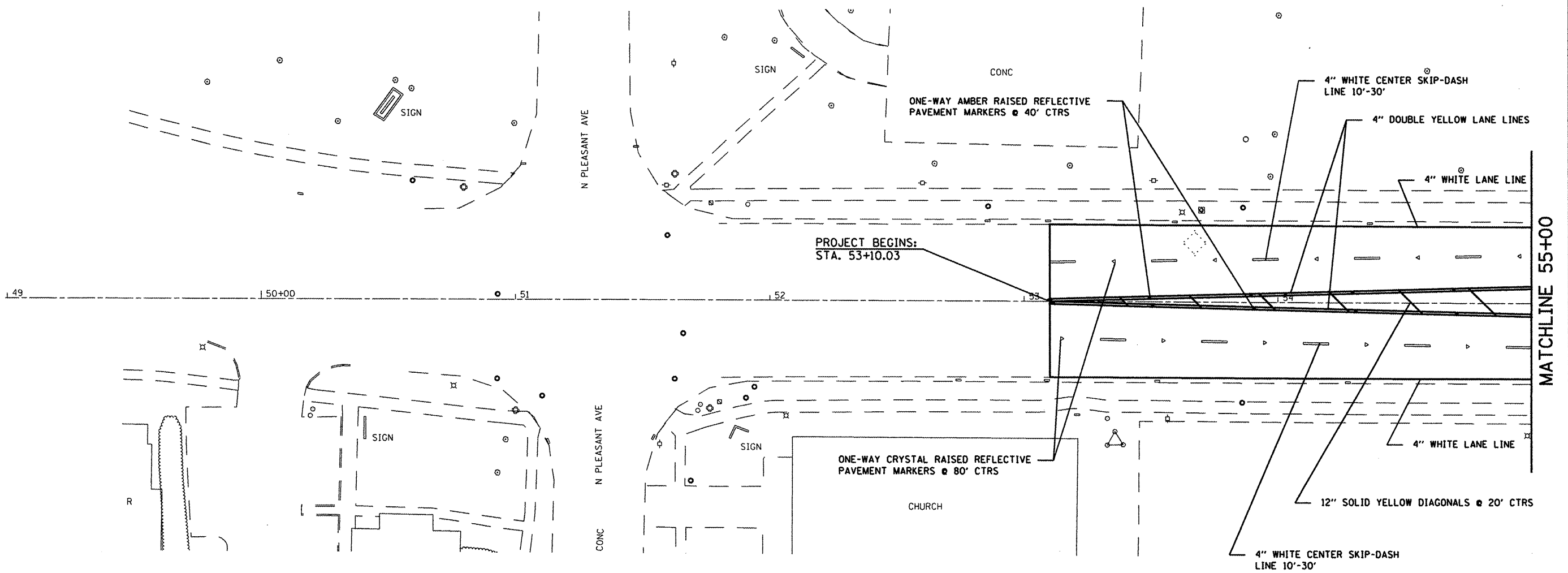
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REVISED - ---
REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	10185	MARION	62	33
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	

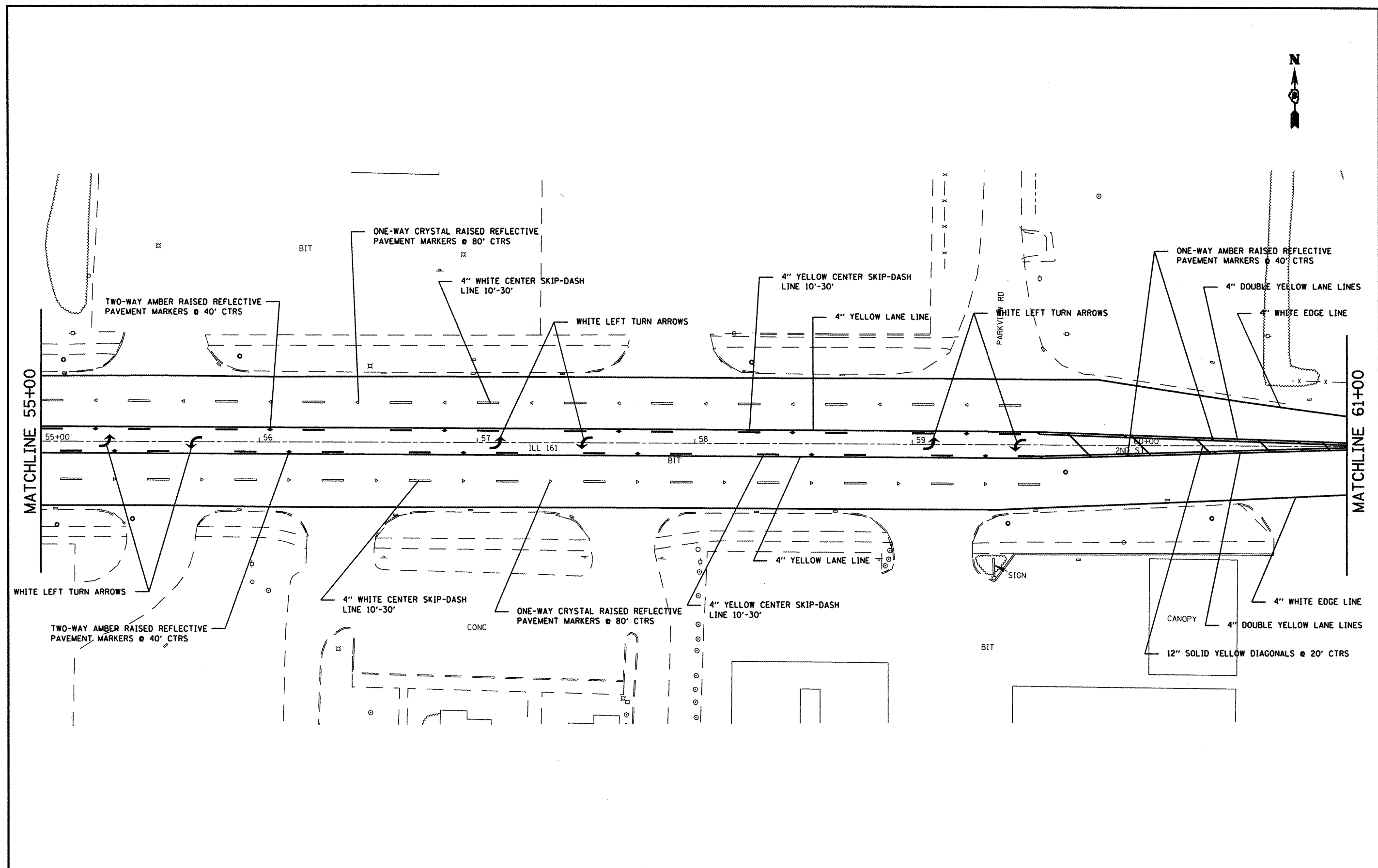


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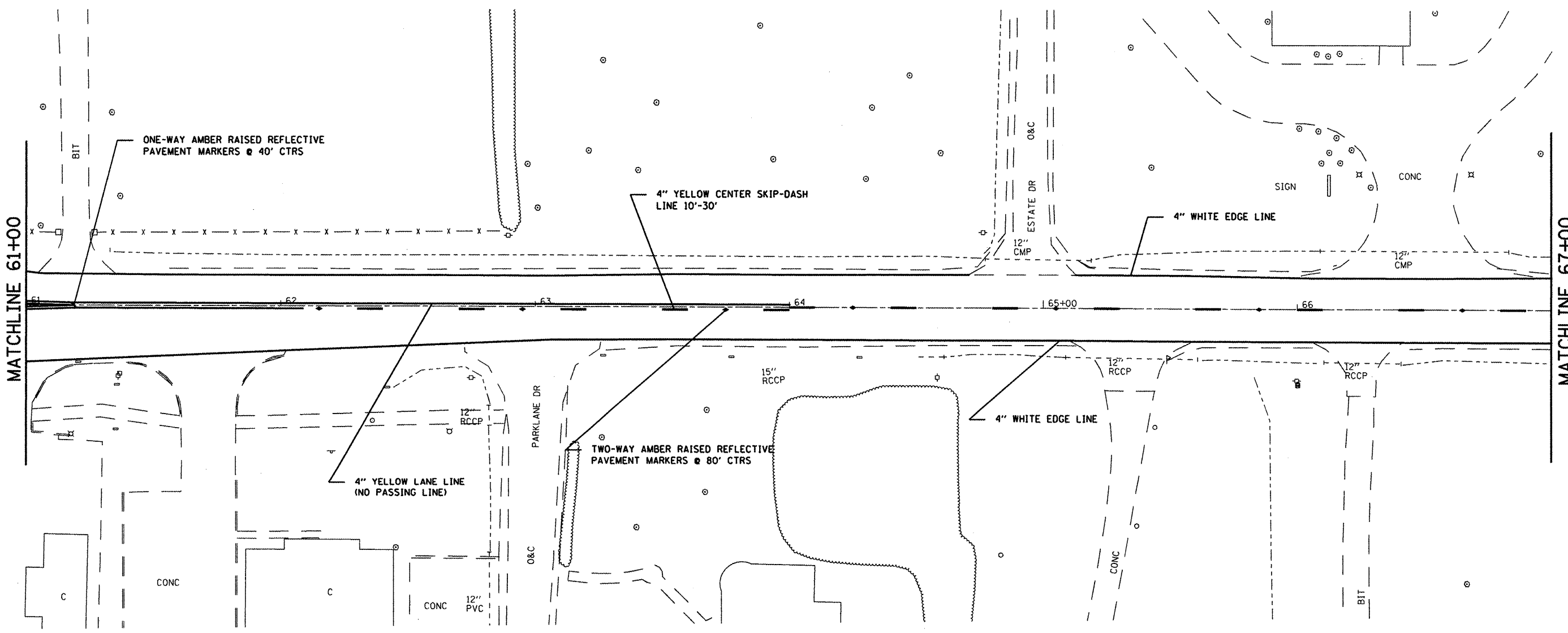
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS			
SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	

F.A.R. RTE. _____	SECTION _____	COUNTY _____	TOTAL SHEETS _____	SHEET NO. _____
805	10185	MADISON	61	31
CONTRACT NO. 76D46			ILLINOIS FED. AID PROJECT	



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	805	101RS	MARION	61	35
	PLOT DATE = #DATE#	DATE - -----	REVISED - ---						CONTRACT NO. 76D46			
							FED. ROAD DIST. NO. _____ [ILLINOIS] FED. AID PROJECT					



MATCHLINE 61+00

MATCHLINE 67+00

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DRAWN -
CHECKED -
DATE -

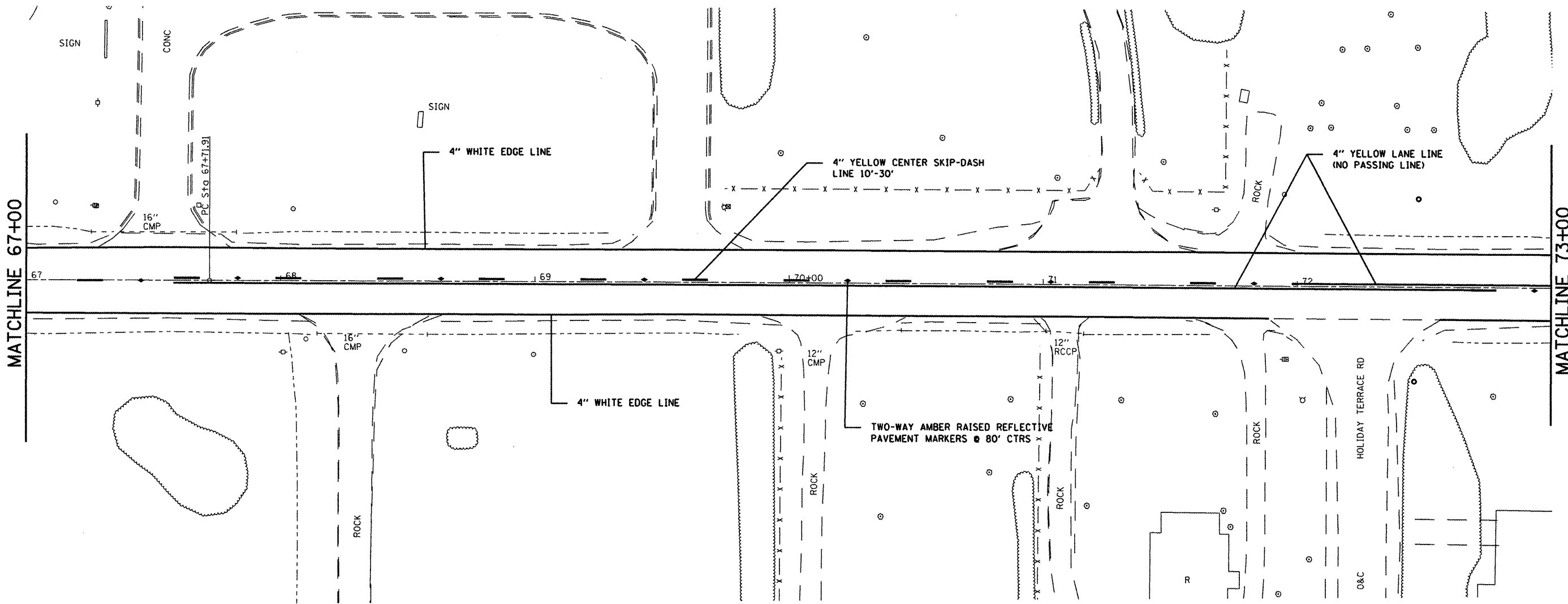
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REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	10185	MARION	61	36
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



MATCHLINE 67+00

MATCHLINE 73+00

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CHECKED -
DATE -

DESIGNED -
DRAWN -
CHECKED -
DATE -

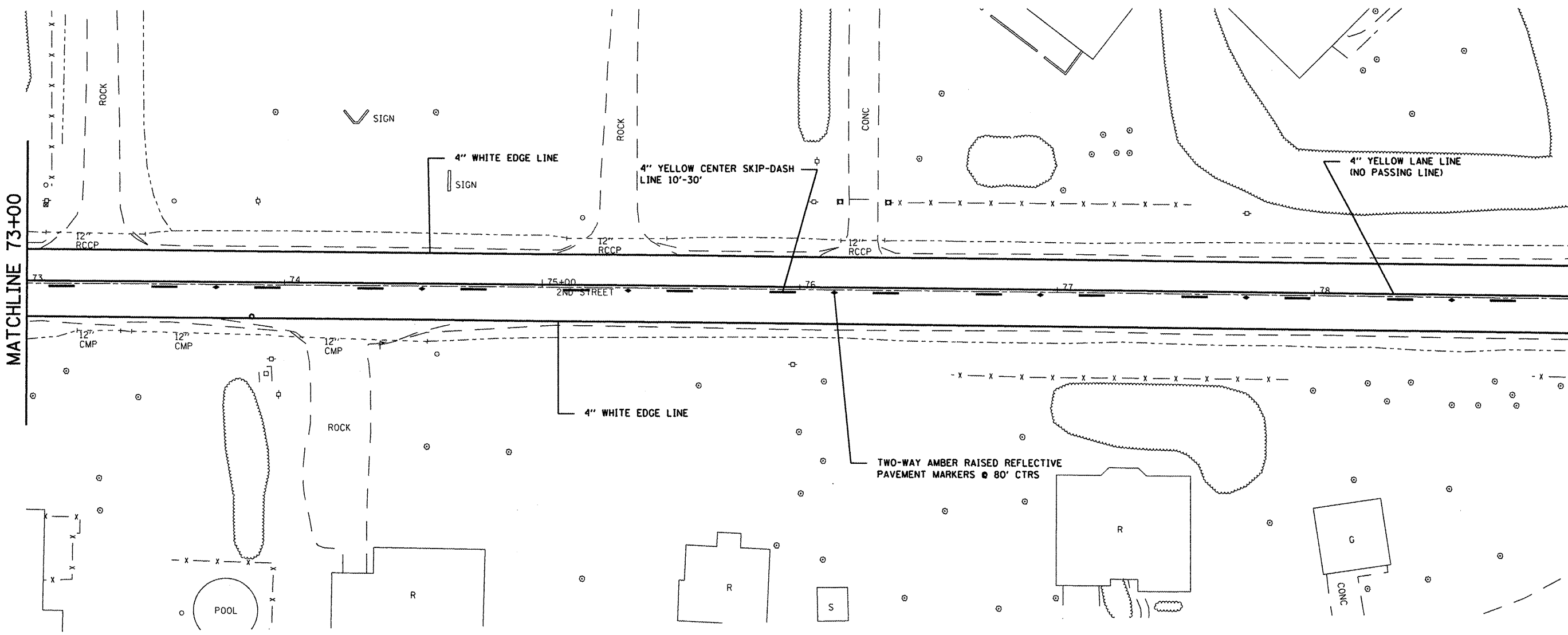
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REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

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

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	10185	MARION	61	37
CONTRACT NO. 16D46				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



MATCHLINE 73+00

MATCHLINE 79+00

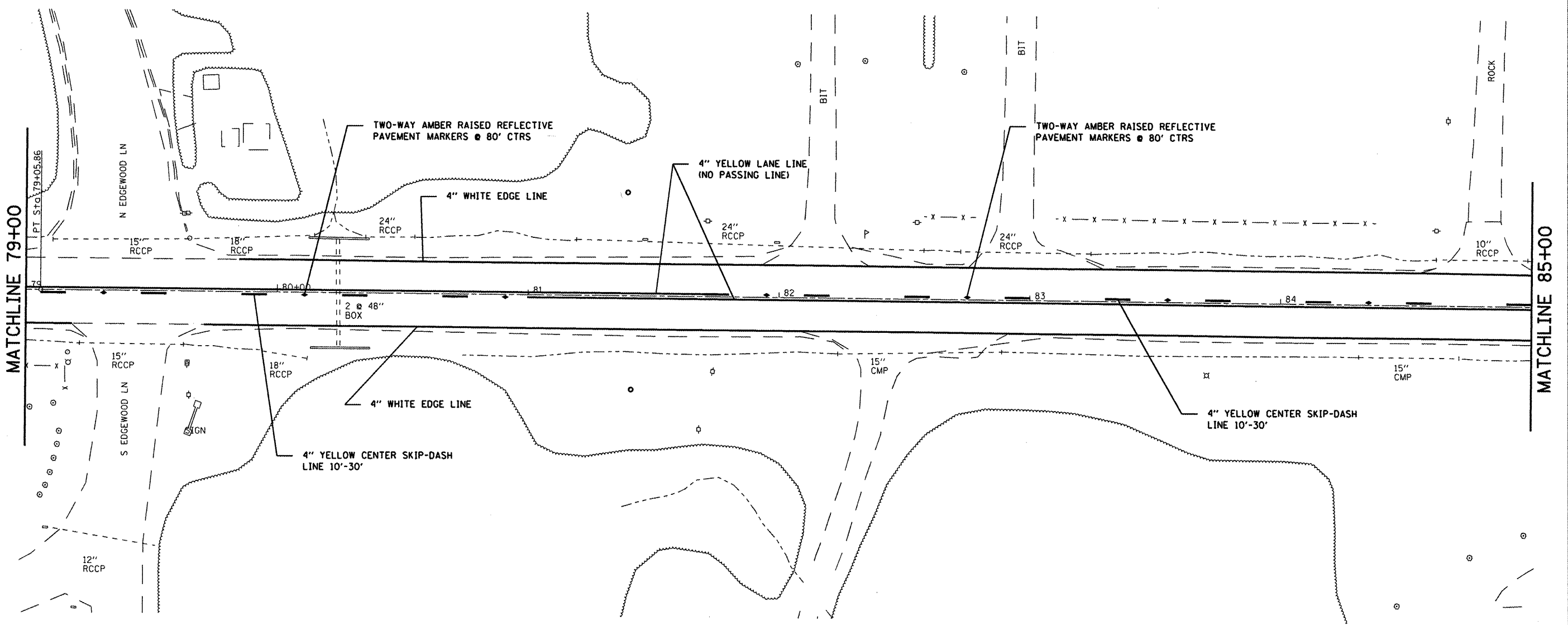
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	1018S	MARION	.61	38
CONTRACT NO. 76D46				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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DESIGNED -
DRAWN -
CHECKED -
DATE -

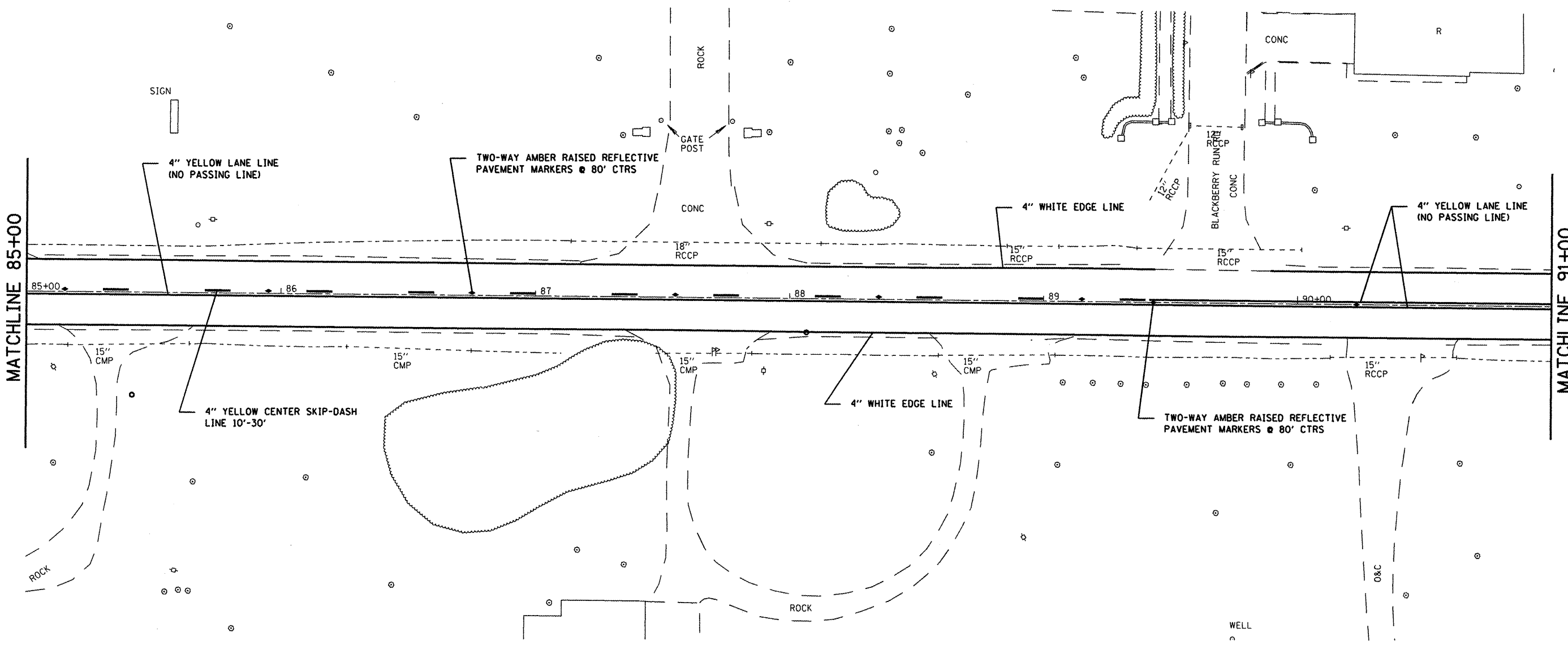
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

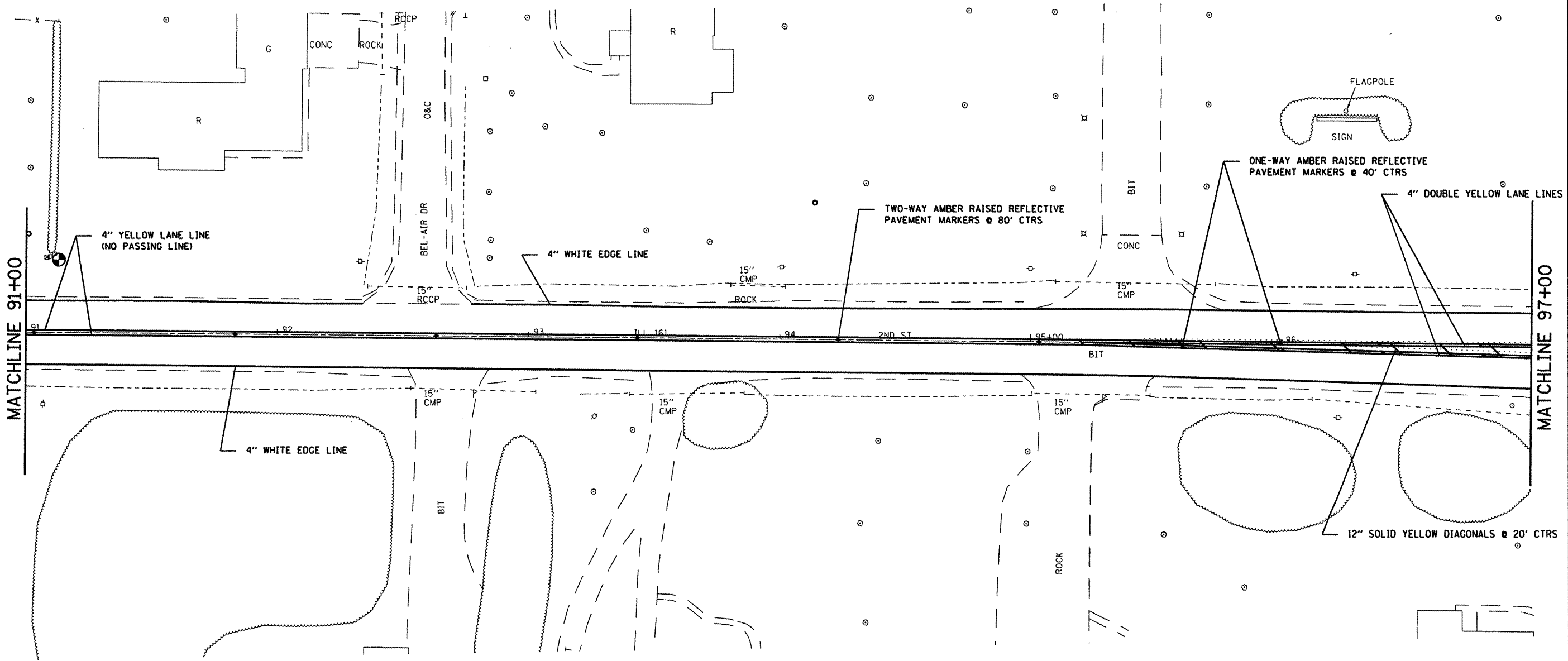
PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	10185	MARION	61	39
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 16046	



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS		F.A.R. RTE. #805	SECTION 1018S	COUNTY MARION	TOTAL SHEETS .61	SHEET NO. .40
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	PLOT DATE = #DATE#	DATE - _____	REVISED - ---								



MATCHLINE 91+00

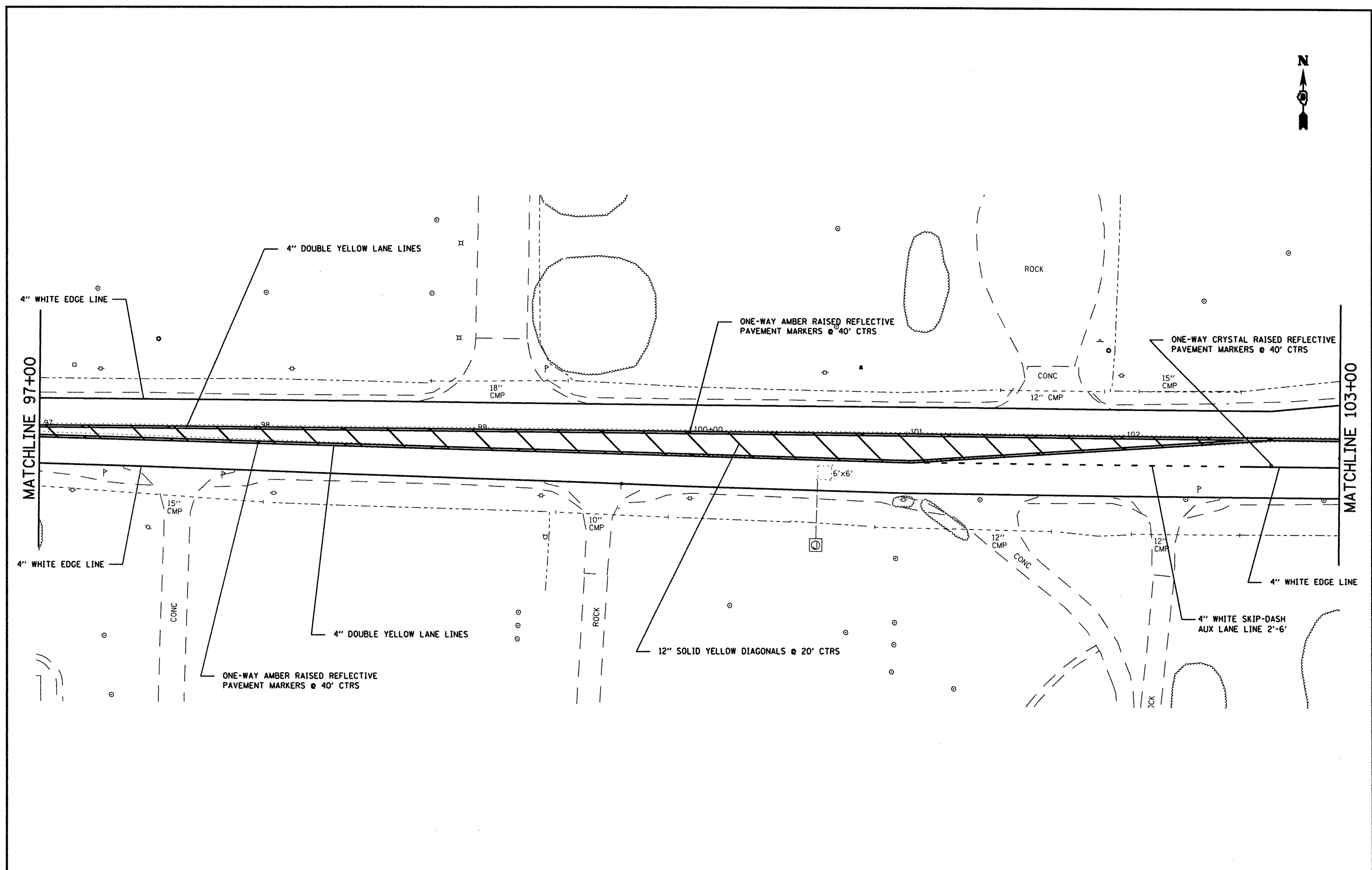
MATCHLINE 97+00

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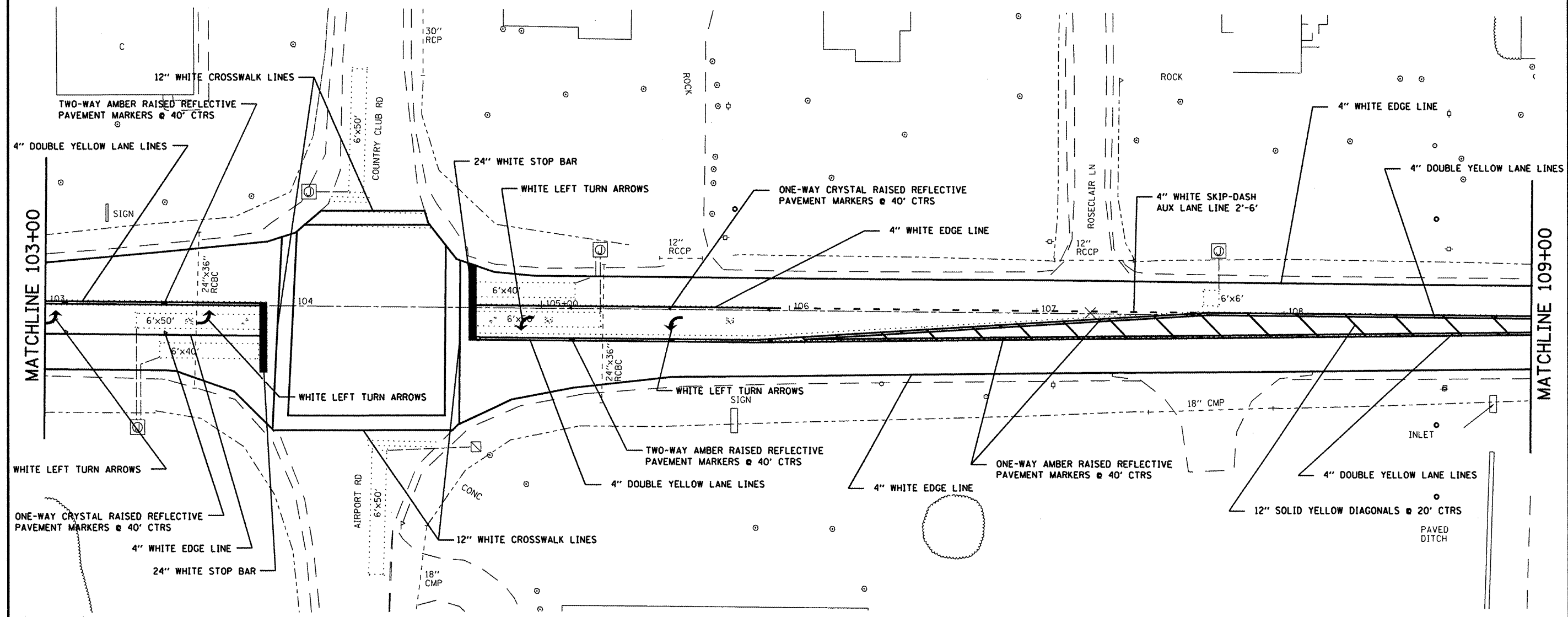
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS	
SCALE: _____	SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	1Q1BS	MARION	61	41
CONTRACT NO. 76D46				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DATE -	REVISED -		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT							



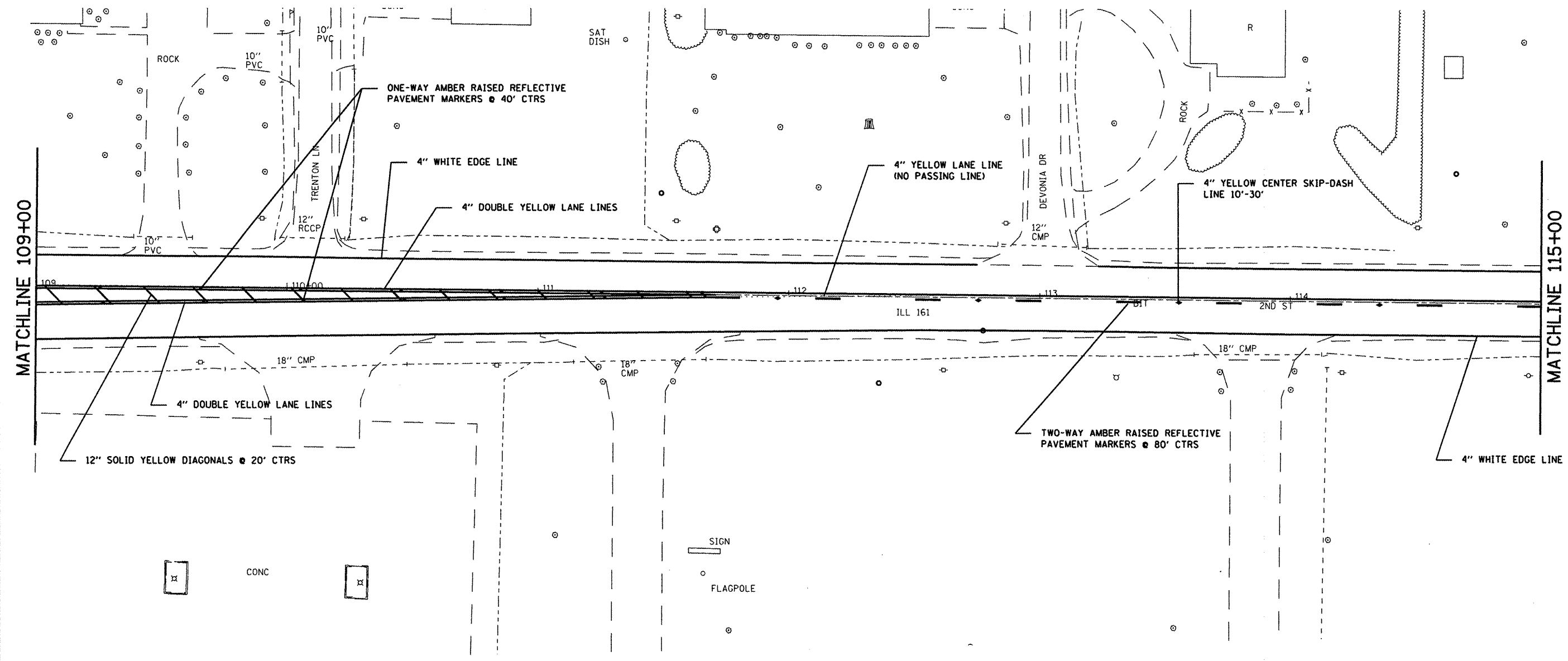
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	PLOT DATE = *DATE*	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

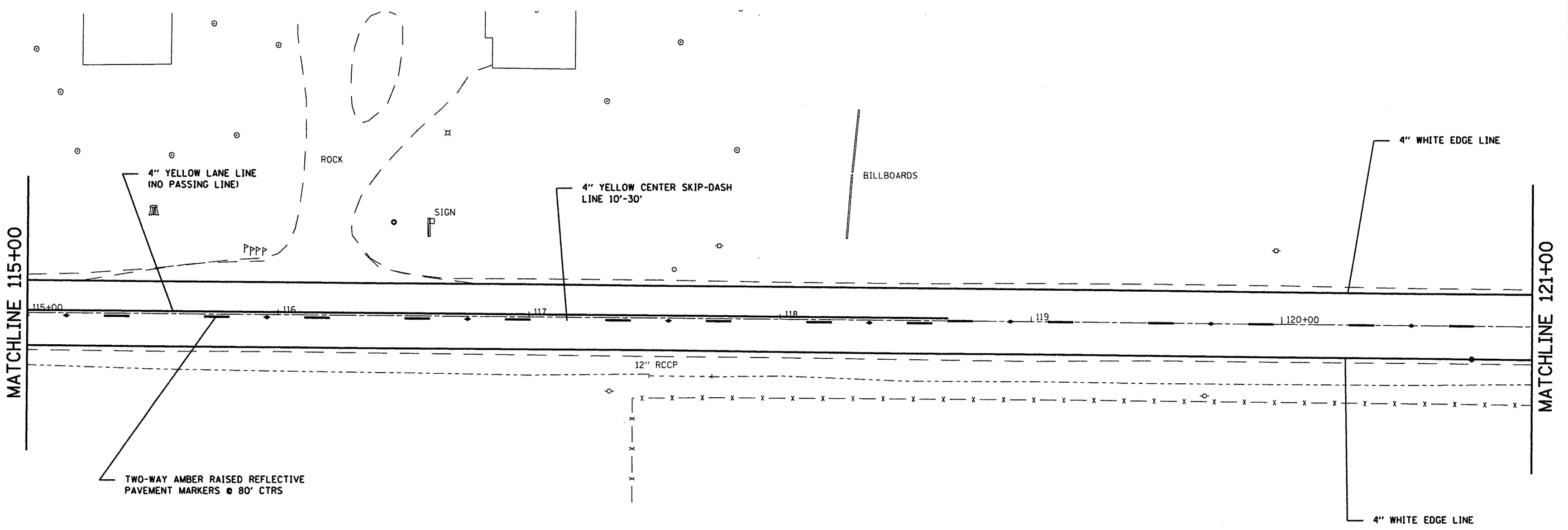
PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	1018S	MARION	61	43
CONTRACT NO. 76D46				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - - -	REVISED - - -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKINGS		F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = #SCALE#	CHECKED - - -	REVISED - - -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	.805	10185	MADISON	.61	.44
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							FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

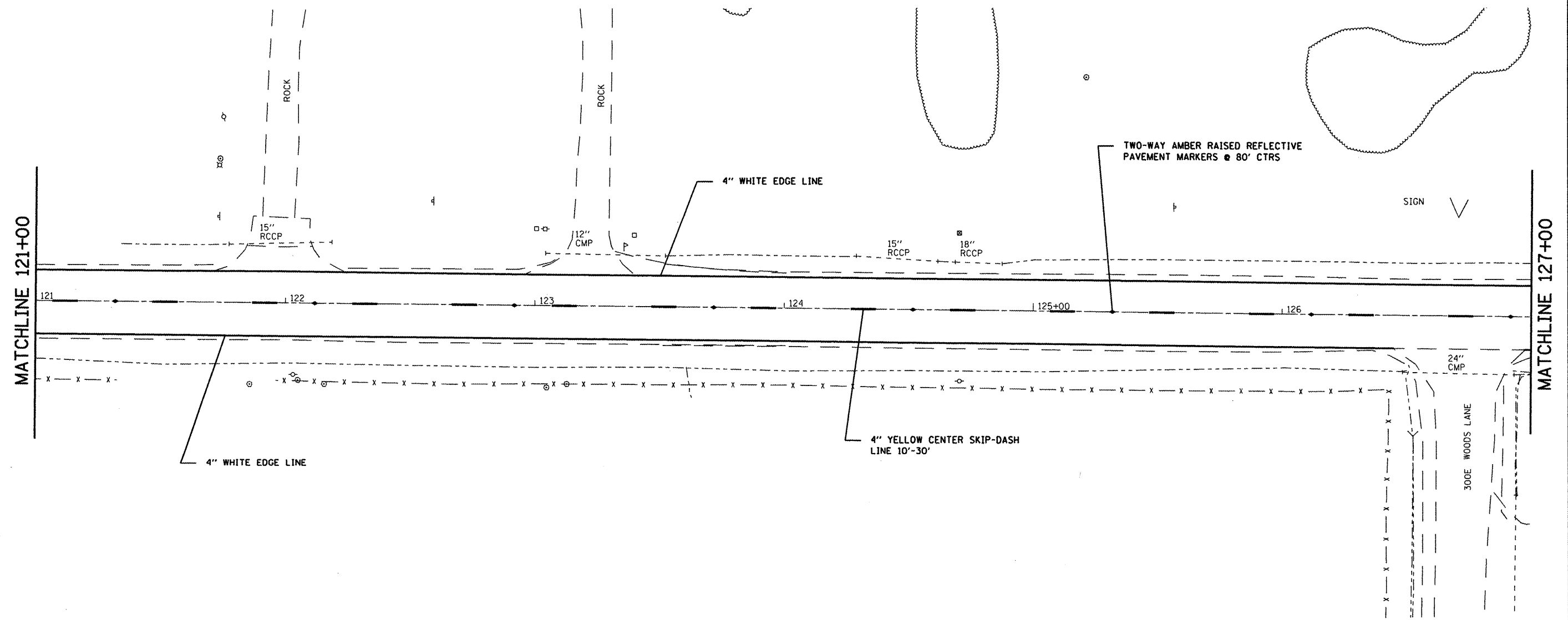


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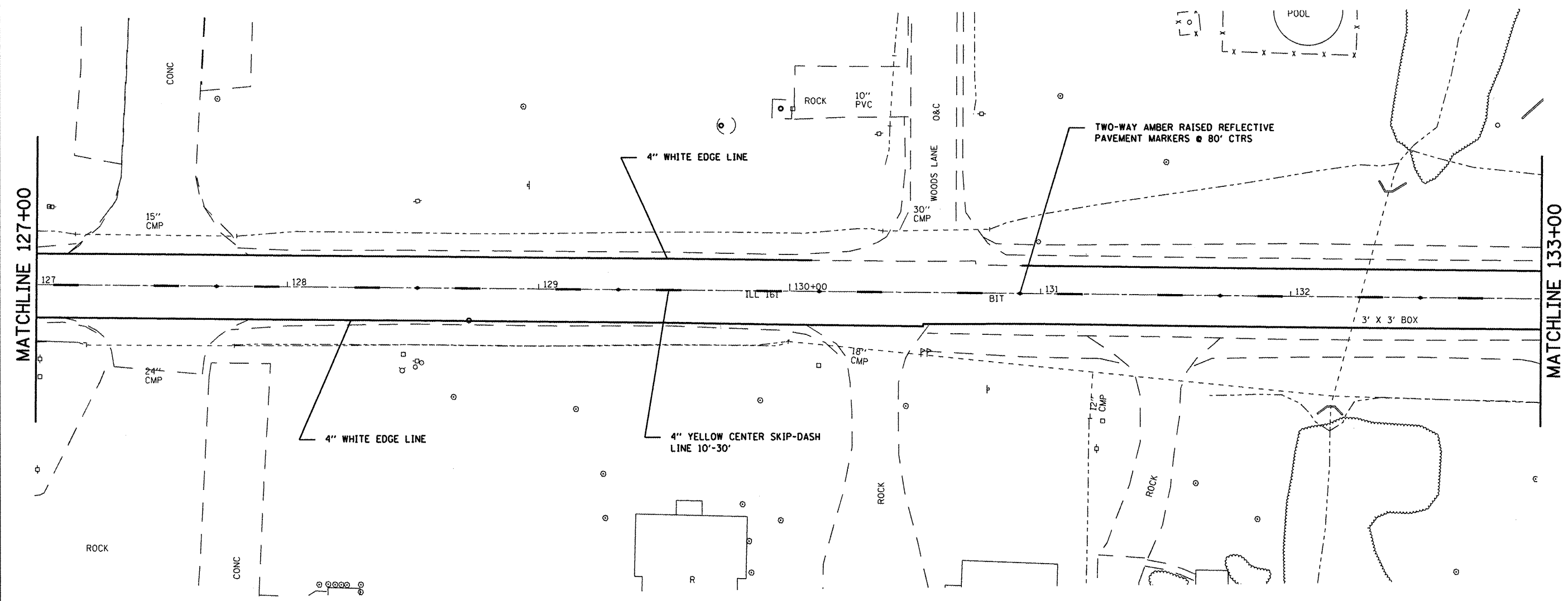
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS	
SCALE: _____	SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	10185	MARION	61	45
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 78D46	



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	PLOT DATE = #DATE#	DATE - -----	REVISED - ---					CONTRACT NO. 76D46				
							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



FILE NAME =
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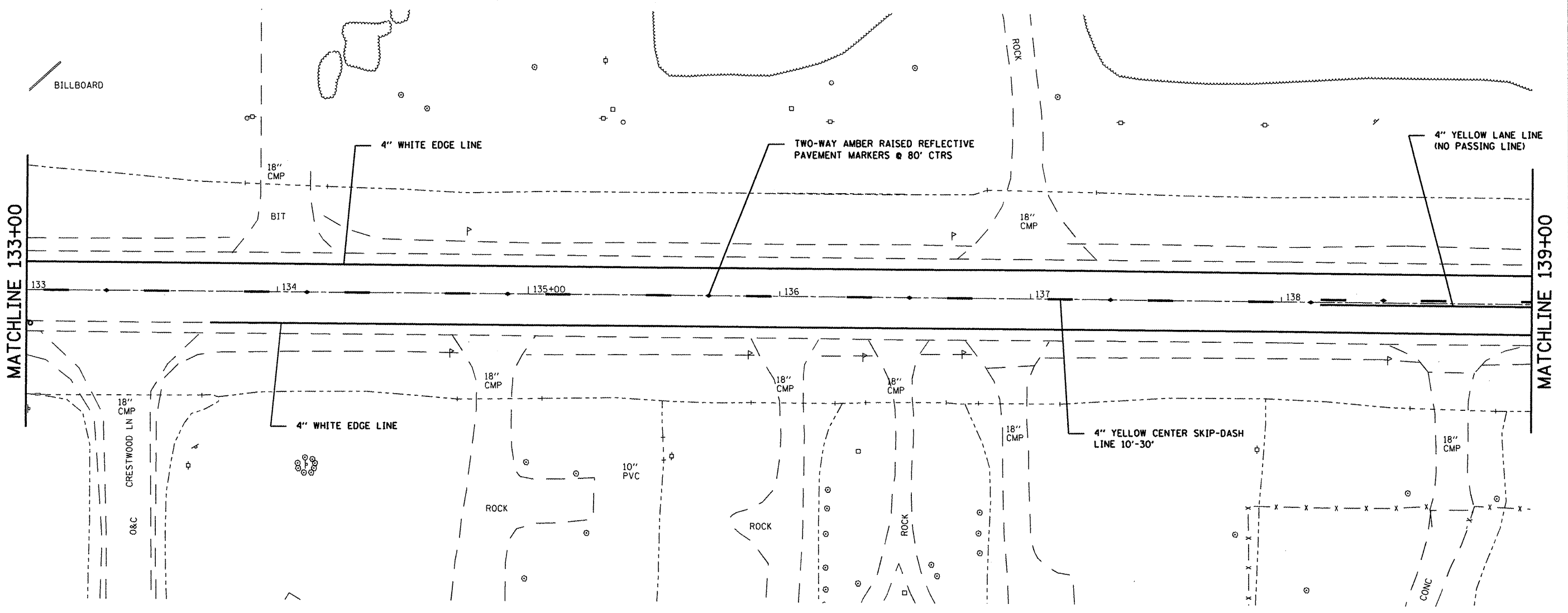
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	1018S	MARION	61	47
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



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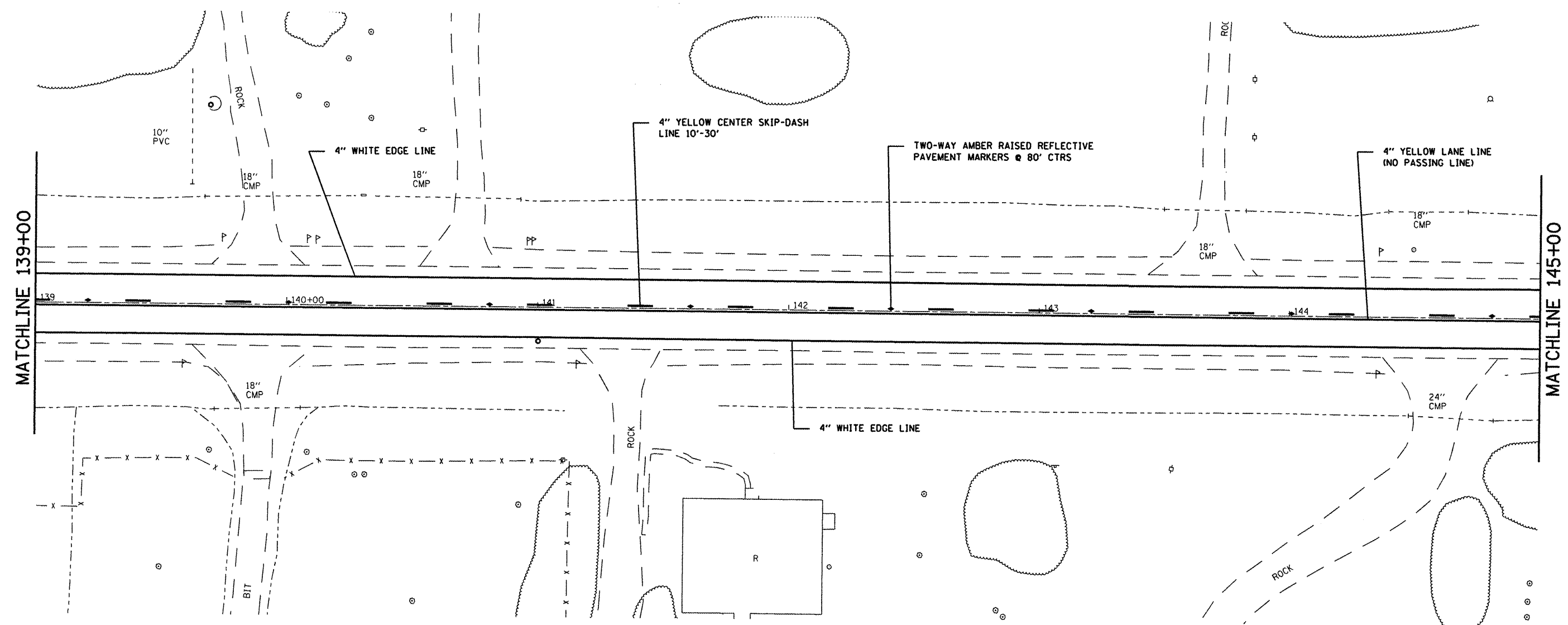
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

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

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	1018S	MARION	61	48
CONTRACT NO. 76D46				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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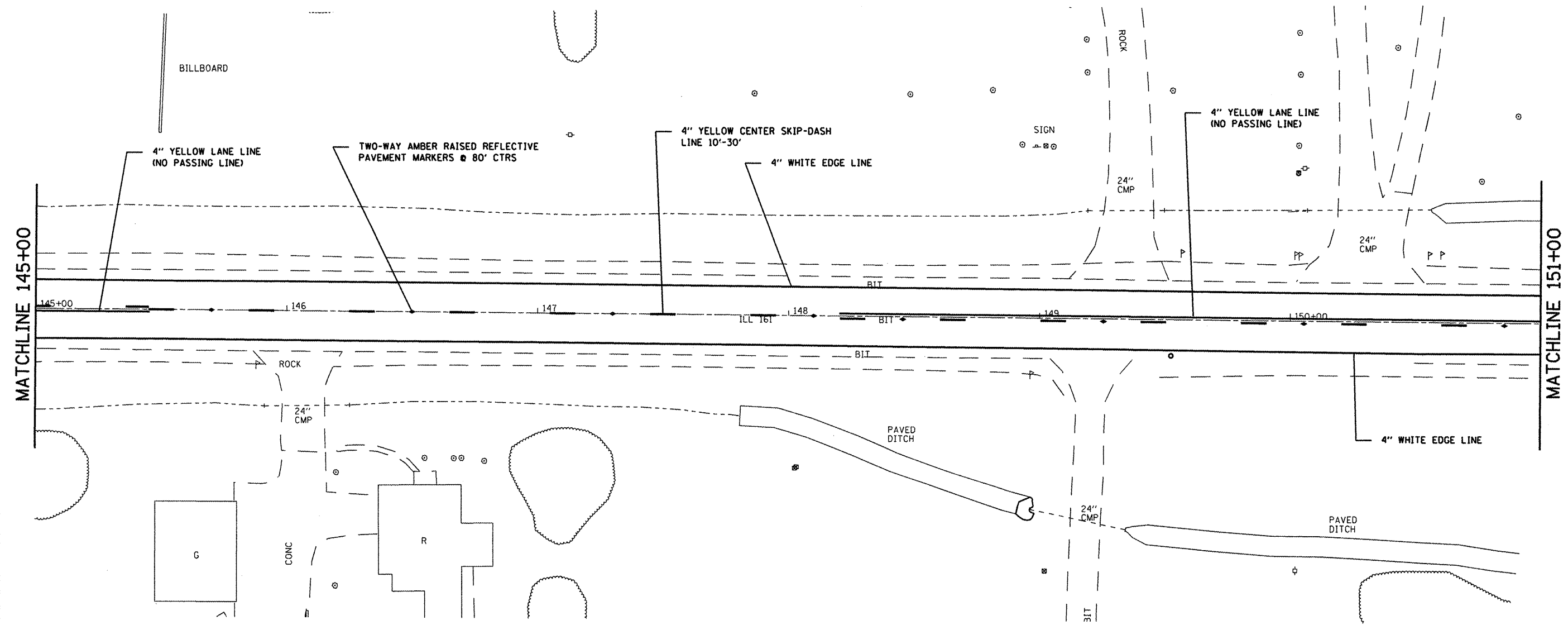
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	1018S	MADISON	.61	.49
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



MATCHLINE 145+00

MATCHLINE 151+00

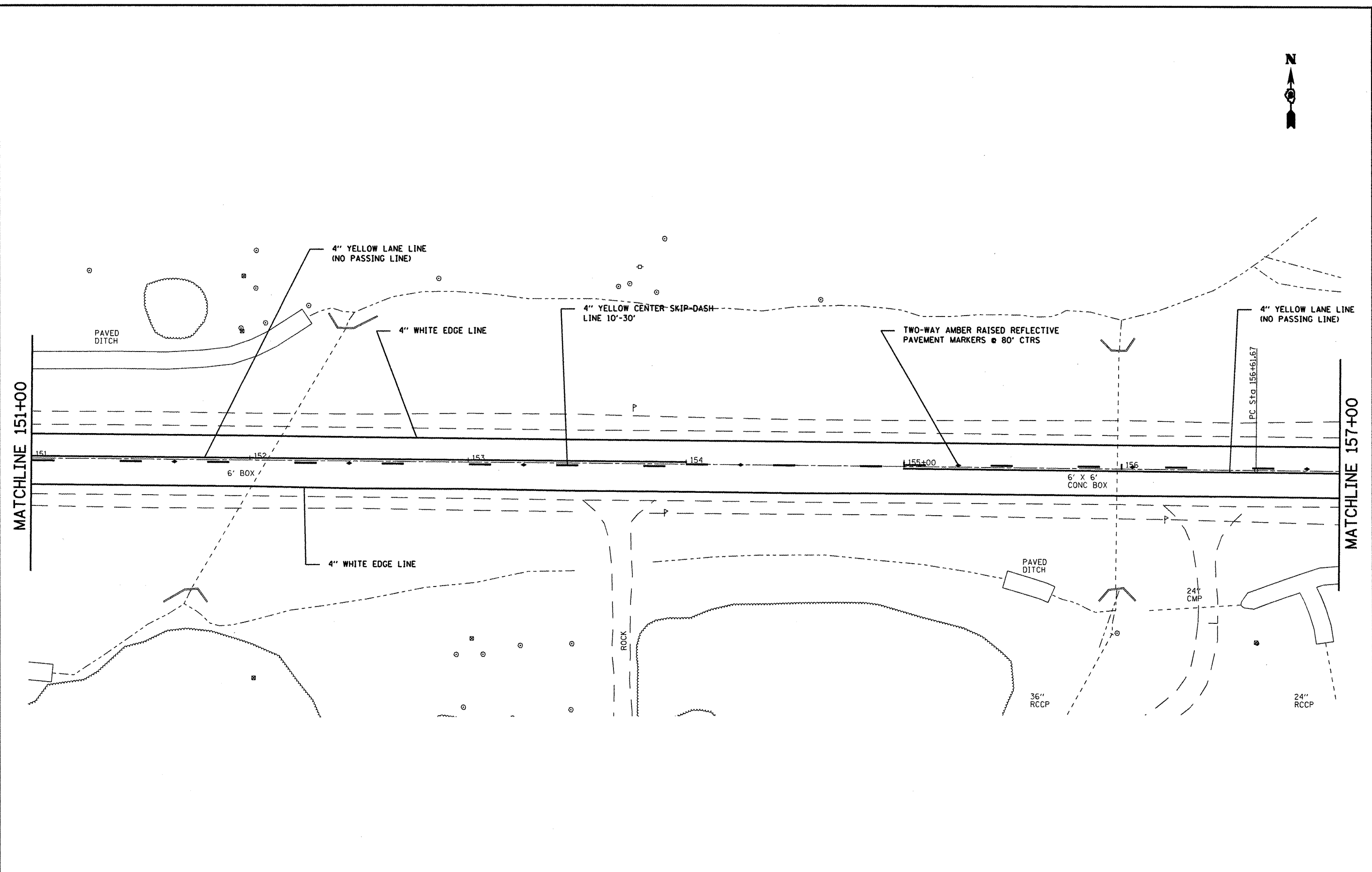
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.808	1018S	MARION	.61	.50
CONTRACT NO. 76D46				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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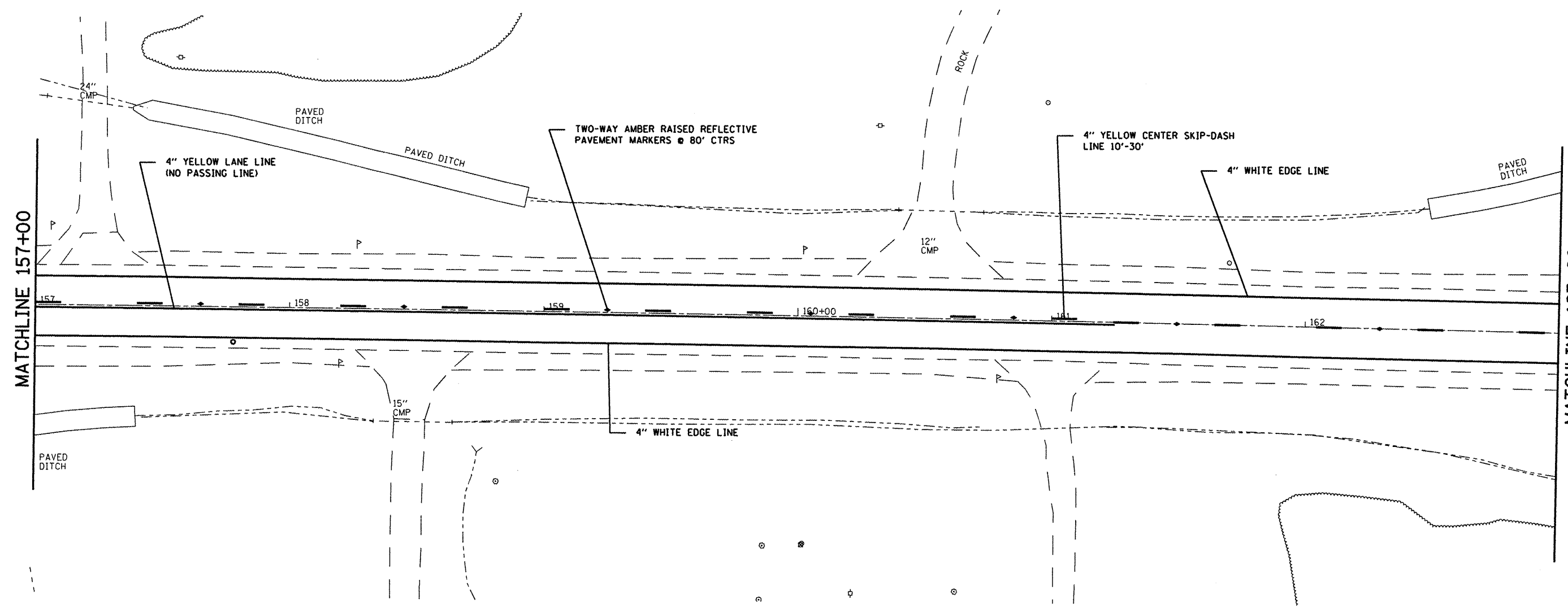
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS

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

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
809	1018S	MADISON	61	51
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



MATCHLINE 157+00

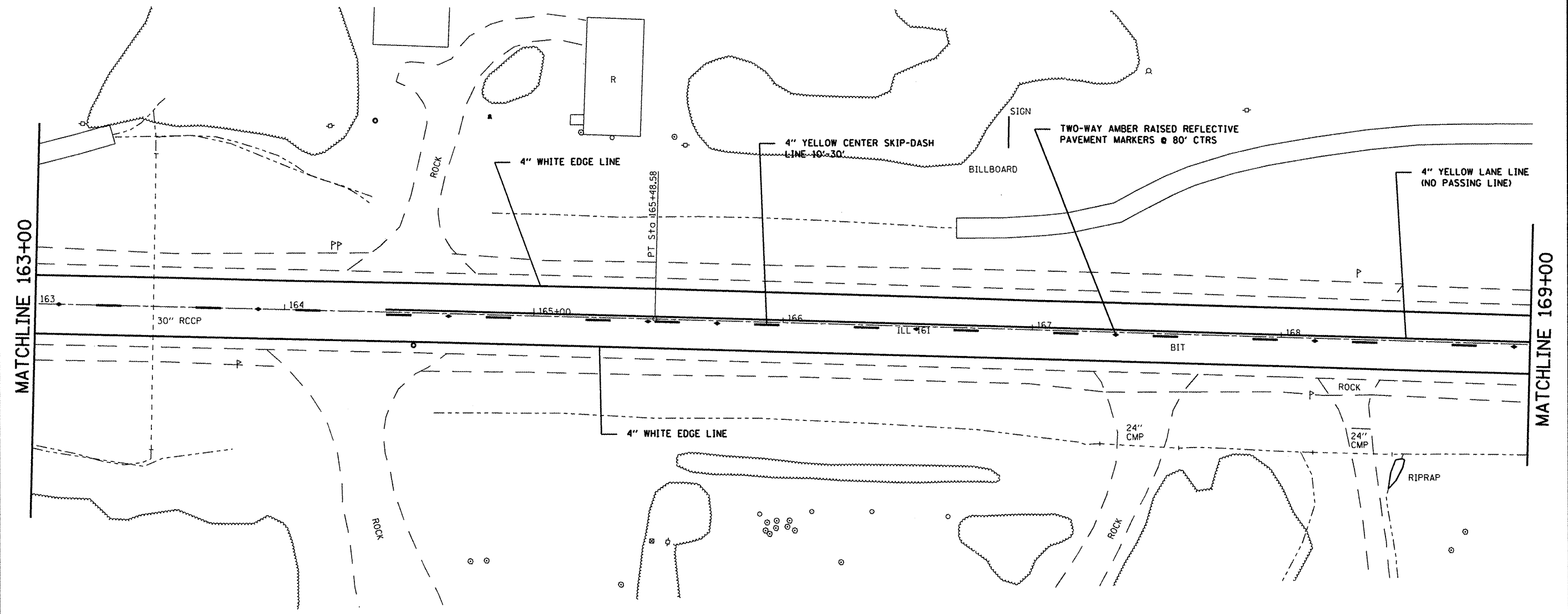
MATCHLINE 163+00

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKINGS			
SCALE: _____	SHEET NO. ____ OF ____ SHEETS	STA. _____	TO STA. _____

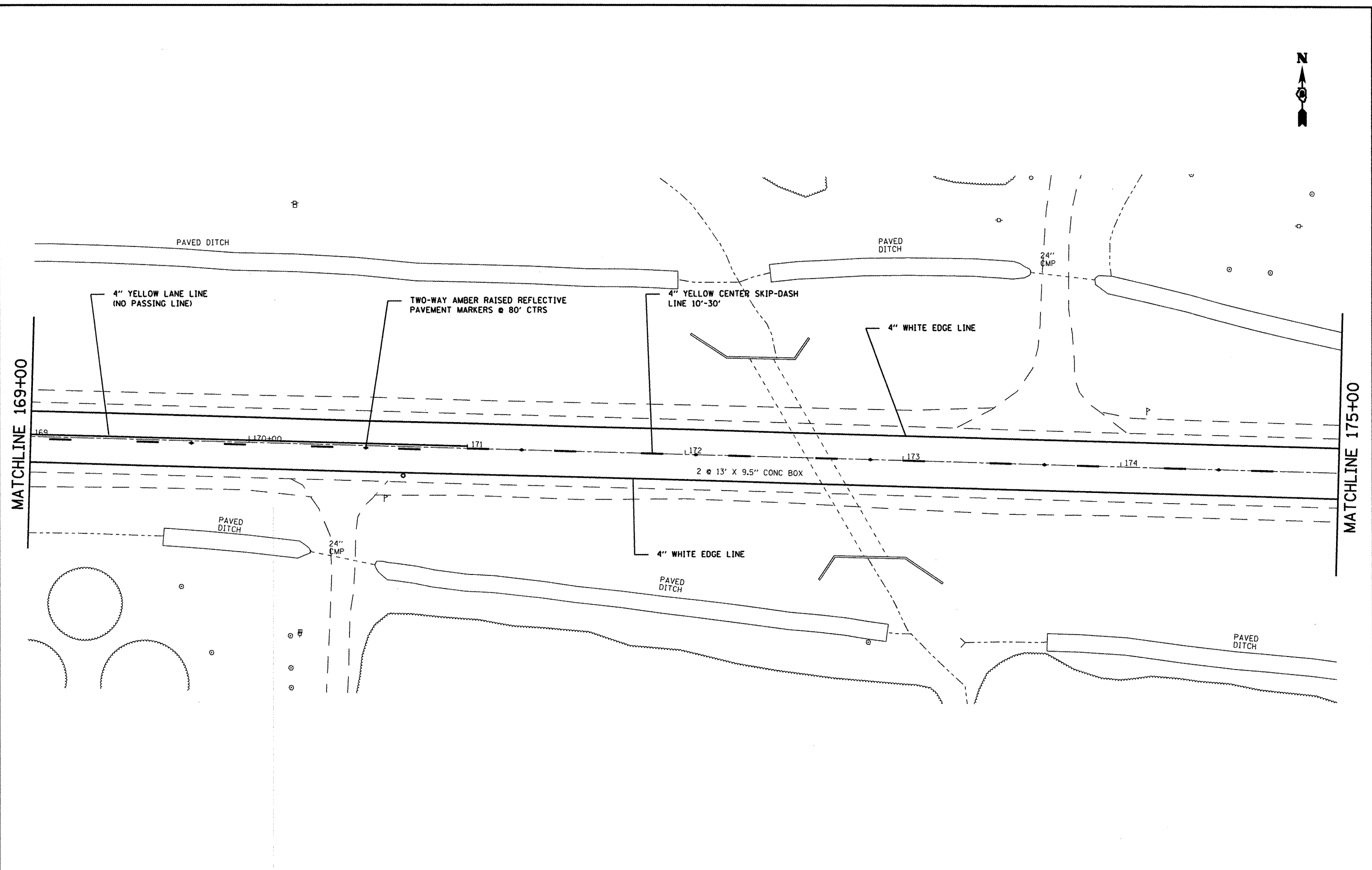
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.805	1018S	WAB10N	61	52
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



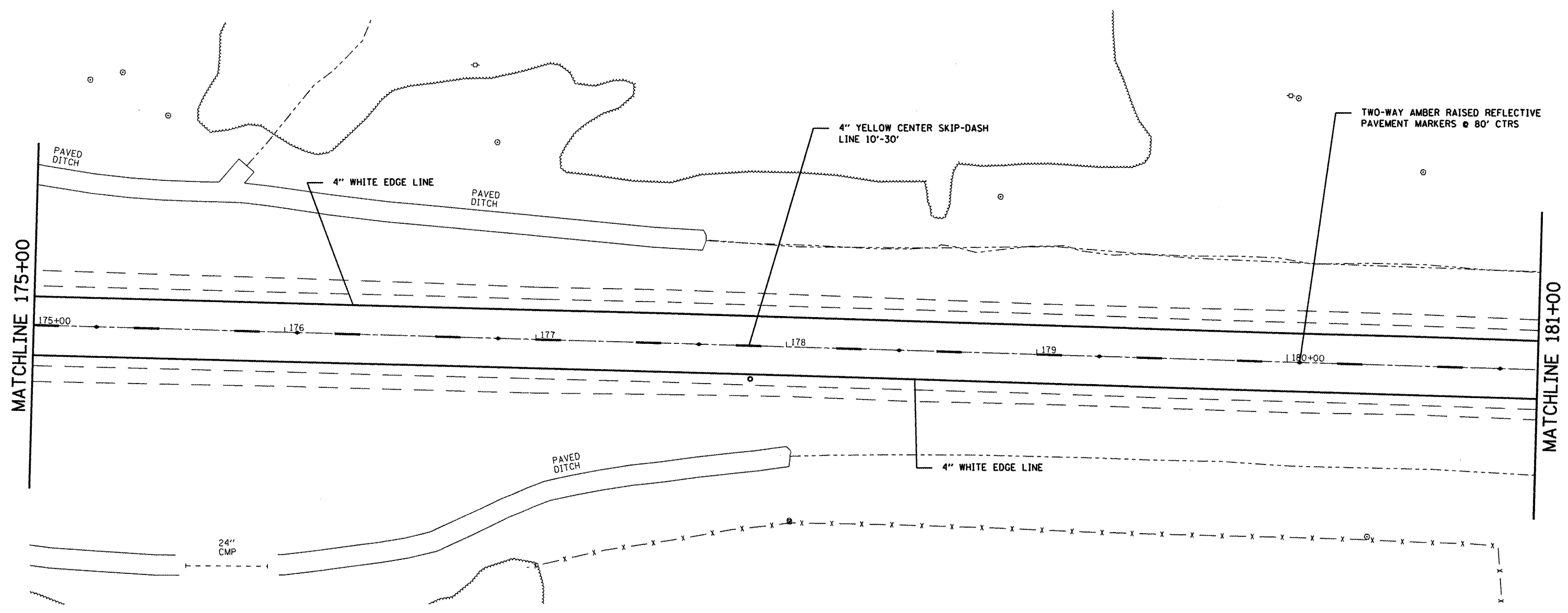
MATCHLINE 163+00

MATCHLINE 169+00

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	PLLOT DATE = #DATE#	DATE - ---	REVISED - ---					FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			



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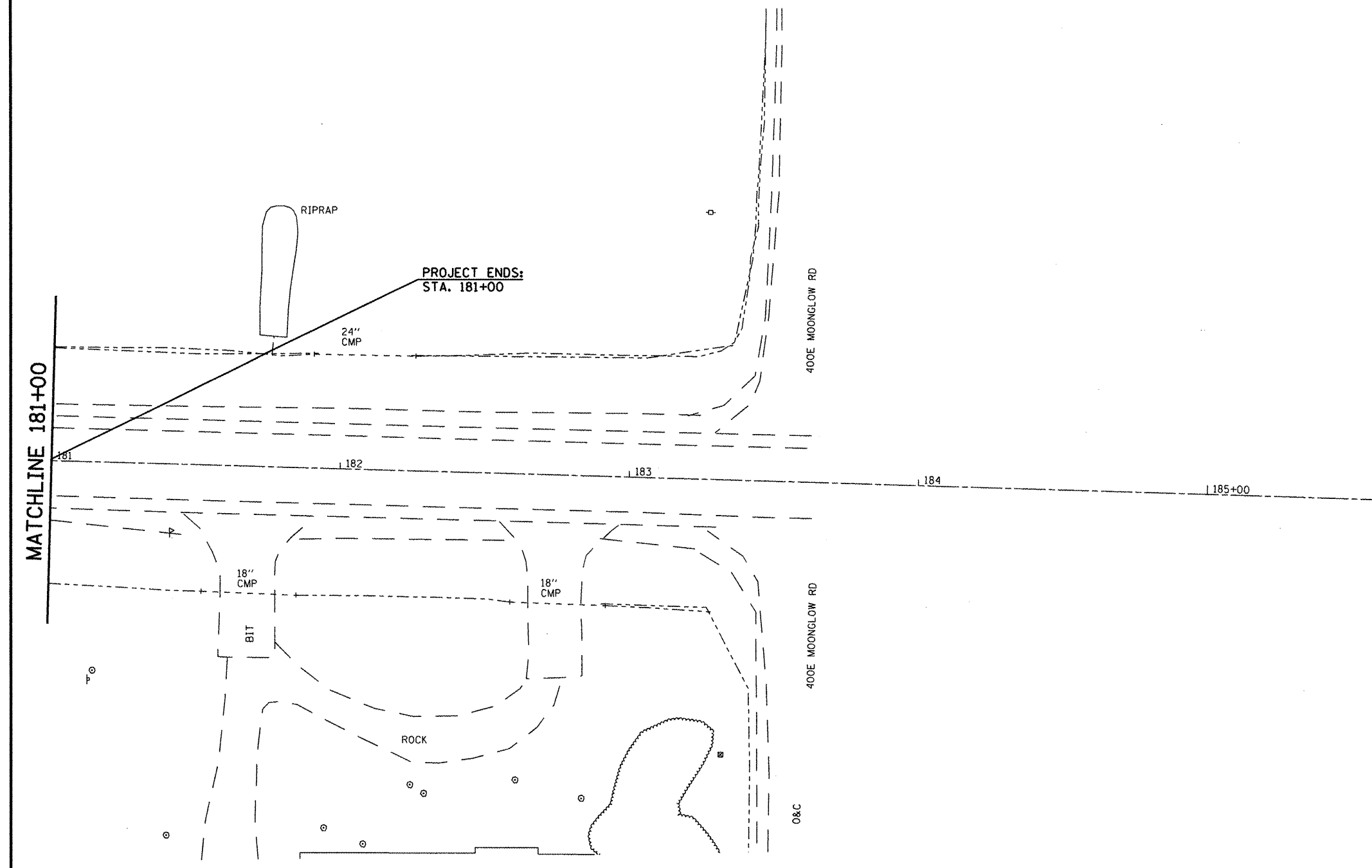
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

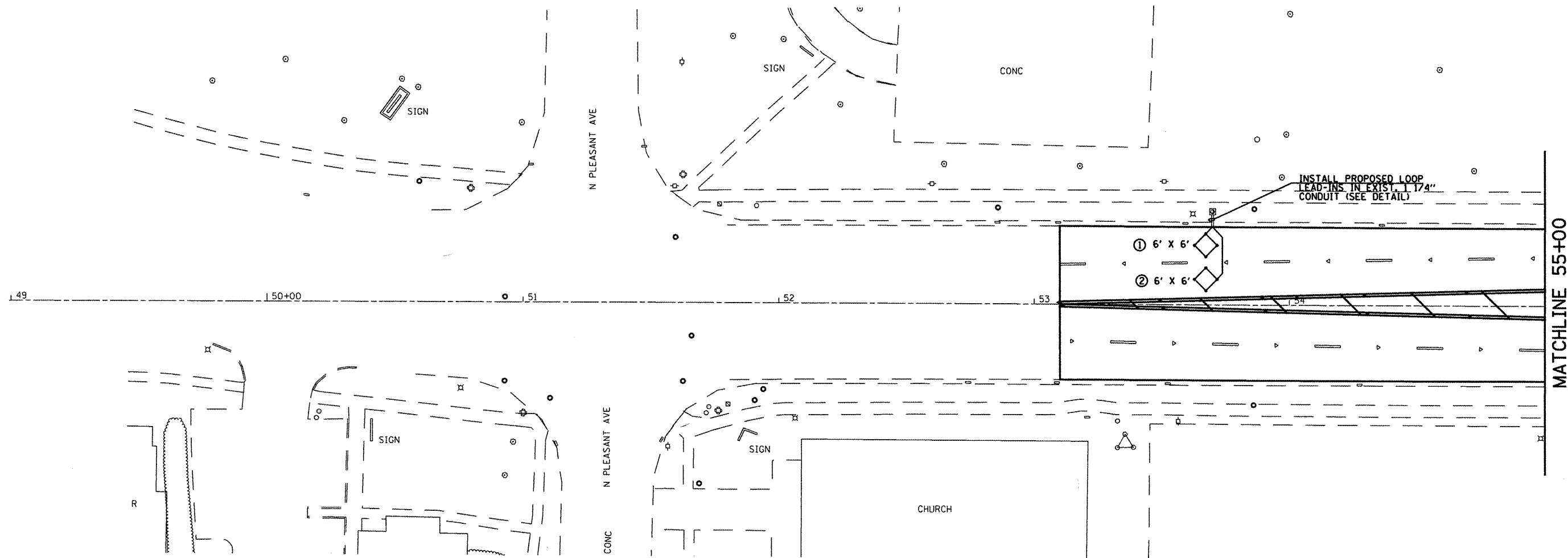
PAVEMENT MARKINGS

SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	10185	WABION	61	55
CONTRACT NO. 76046				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				



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	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---				.802	1018S	MADISON	51	55
	PLOT DATE = #DATE#	DATE - ---	REVISED - ---				CONTRACT NO. 76046			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT	
					SCALE: -----	SHEET NO. --- OF --- SHEETS	STA. ----- TO STA. -----				



LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (M ^H)	CALCULATED RESISTANCE OHMS (R)
① WB CCO	6' X 6'	5	224	1.50
② WB CCO	6' X 6'	5	224	1.50

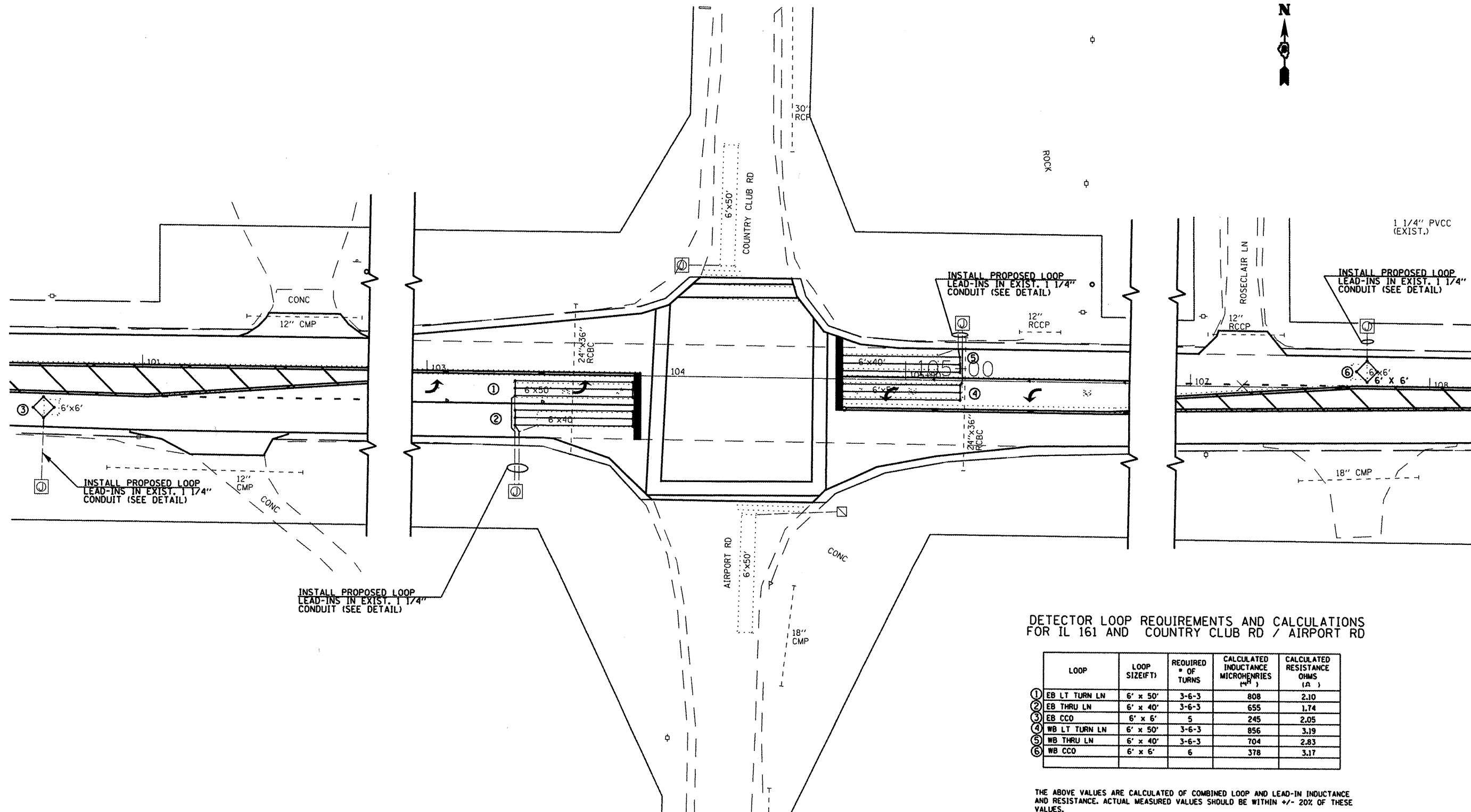
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A.P. RTE. 805	SECTION IOIRS	COUNTY MARION	TOTAL SHEETS 61	SHEET NO. 57
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 161 AND COUNTRY CLUB RD / AIRPORT RD

LOOP	LOOP SIZE(Ft)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (R)
① EB LT TURN LN	6' x 50'	3-6-3	808	2.10
② EB THRU LN	6' x 40'	3-6-3	655	1.74
③ EB CCO	6' x 6'	5	245	2.05
④ WB LT TURN LN	6' x 50'	3-6-3	856	3.19
⑤ WB THRU LN	6' x 40'	3-6-3	704	2.83
⑥ WB CCO	6' x 6'	6	378	3.17

THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

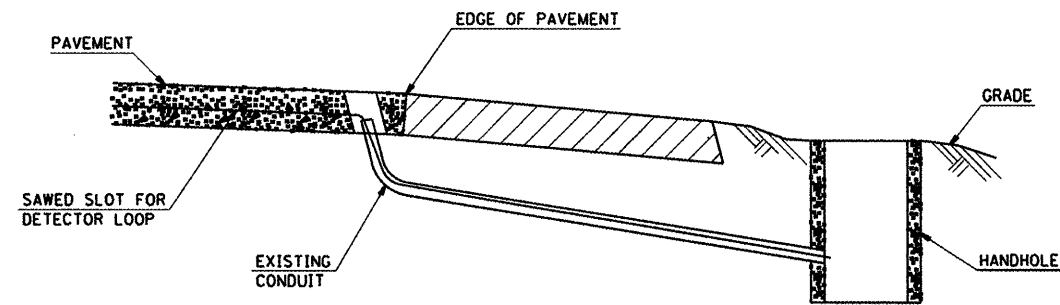
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

SCALE: 20'=1" SHEET NO. OF SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	SHEETS	SHEET NO.
805	101 RS	MARION	61	58
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76D46				



DETAIL
(NO SCALE)

RE-USE EXISTING DETECTOR LOOP LEAD-IN CONDUIT

- 1 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
- 2 REMOVE EXISTING CABLE TO HANDHOLE.
- 3 INSTALL LOOP LEAD-IN CONDUCTORS IN CONDUIT.
- 4 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN HANDHOLE.
- 5 FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT".

LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY

ELECTRICAL GENERAL NOTES

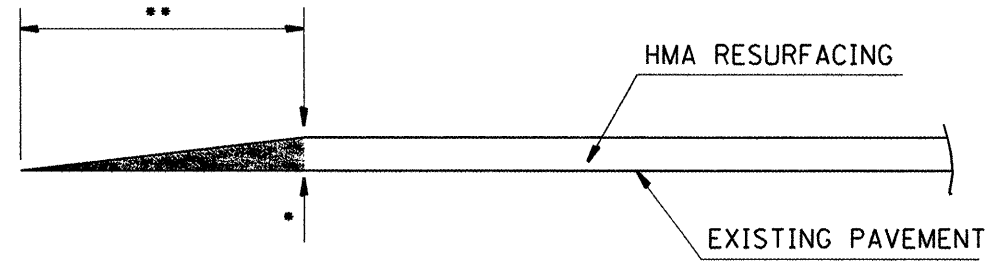
DETECTOR LOOPS SHALL BE PLACED IN THE PAVEMENT AFTER MILLING AND PRIOR TO RESURFACING.

THE EXISTING DETECTOR LOOP CONDUIT FROM PAVEMENT TO HANDHOLE WILL BE RE-USED FOR THE REPLACED DETECTOR LOOPS. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUIT DURING CONSTRUCTION. SHOULD ANY DAMAGE TO THE CONDUIT OCCUR DUE TO THE CONTRACTOR'S OPERATIONS, REPAIRS SHALL BE MADE TO THE SATISFACTION OF THE ENGINEER AND WILL BE DONE AT THE CONTRACTOR'S EXPENSE.

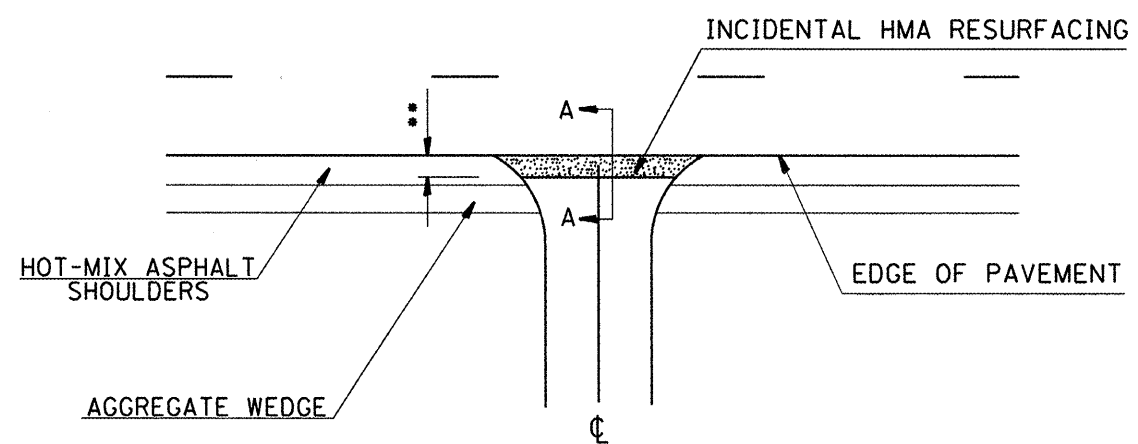
ELECTRICAL QUANTITIES

CODE NO	ITEM	UNIT	QUANTITIES
80300100	LOCATE UNDERGROUND CABLE	FOOT	100
88600600	DETECTOR LOOP REPLACEMENT	FOOT	820

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		DATE -	REVISED -								



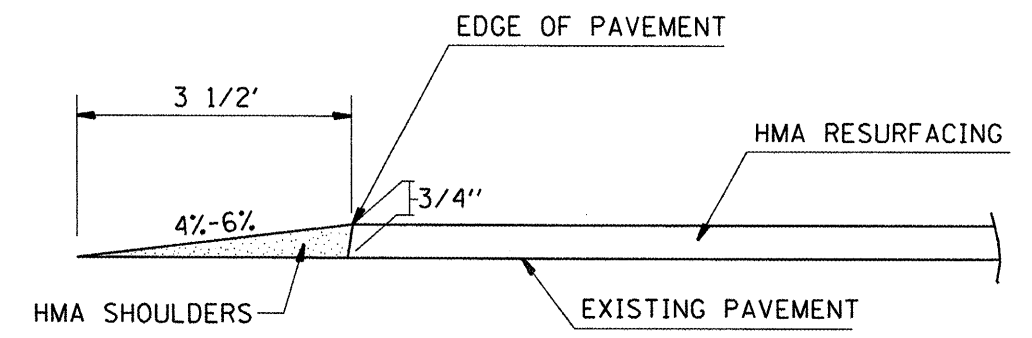
TRANSITION DETAIL
SECTION A-A



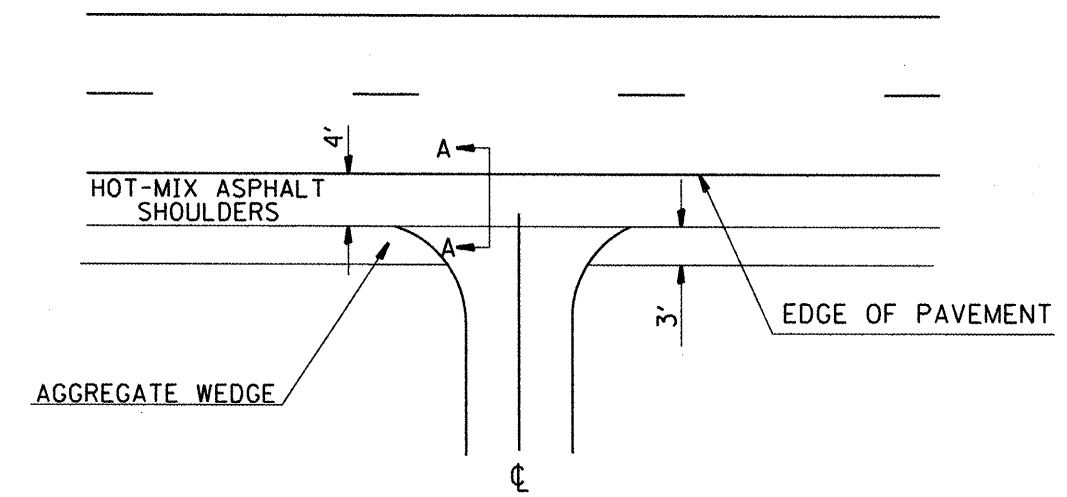
SIDE ROAD DETAIL

•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'

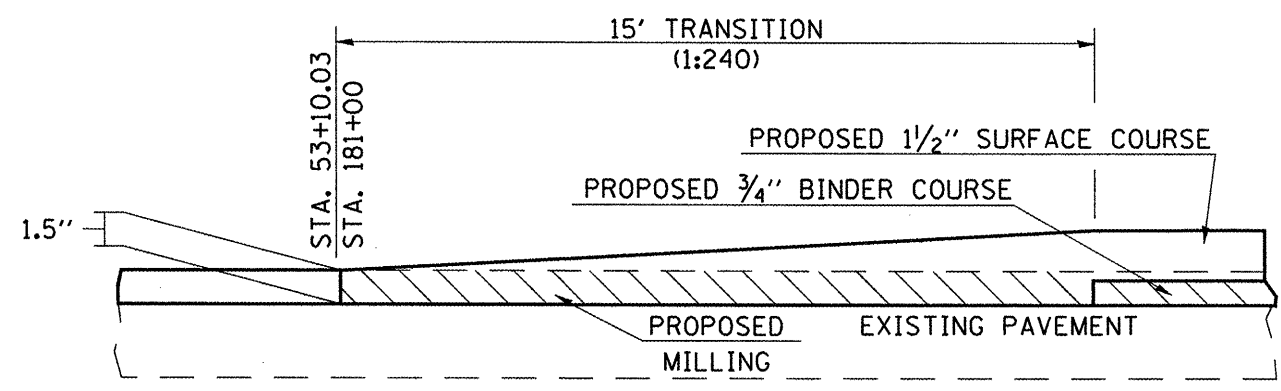
NOTE:
WHERE THE HMA TRANSITION IS MATCHING INTO AN EXISTING HMA SIDE ROAD SURFACE, A MILLED BUTT JOINT SHALL BE CONSTRUCTED WITHIN THE LIMITS OF THE TOTAL TRANSITION LENGTH ON THE LOCAL ROUTE.



FEATHEREDGE DETAIL
SECTION A-A



COMMERCIAL & PRIVATE
ENTRANCE DETAIL



BUTT JOINT TO BE CONSTRUCTED AT BEGINNING AND END OF PROJECT.
•STA. 50+58.40 (BEGINING OF PROJECT)
•STA. 181+00 (JUST WEST OF MOONGLOW RD.)

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FILE#	USER#	DRAWN	REVISED
		CHECKED	REVISED
		DATE	REVISED

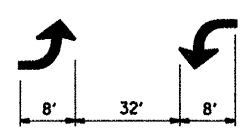
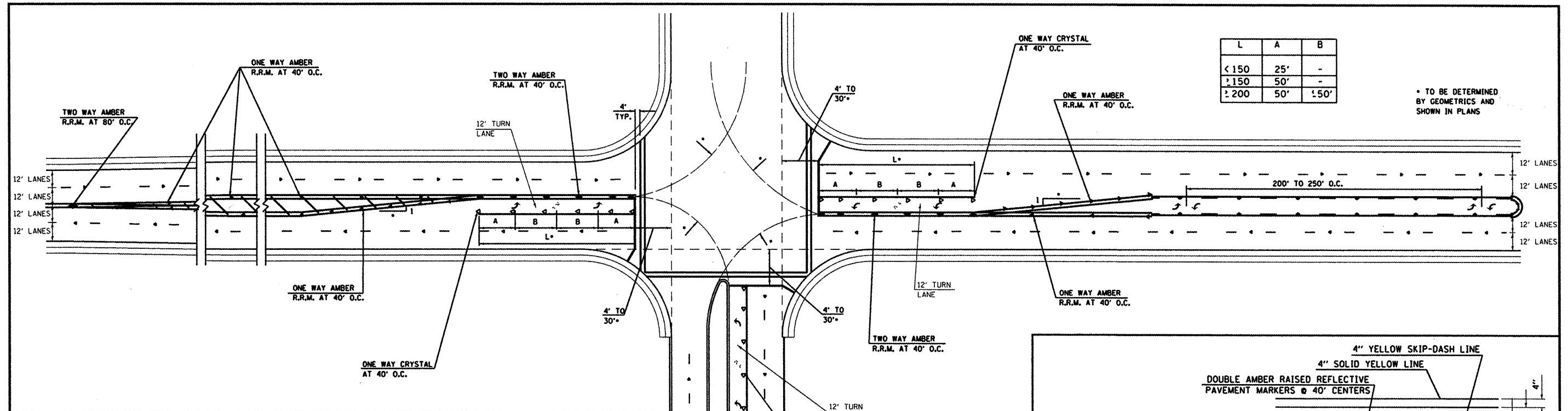
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS/SIDEROADS AND ENTRANCE/FEATHEREDGE DETAILS
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	101RS	MARION	62	60
CONTRACT NO. 76D46			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

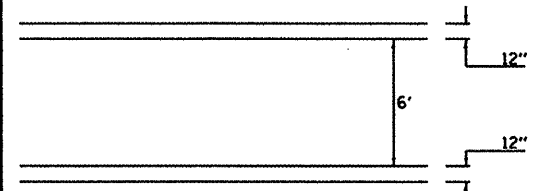
L	A	B
<150	25'	-
150	50'	-
200	50'	150'

* TO BE DETERMINED BY GEOMETRICS AND SHOWN IN PLANS

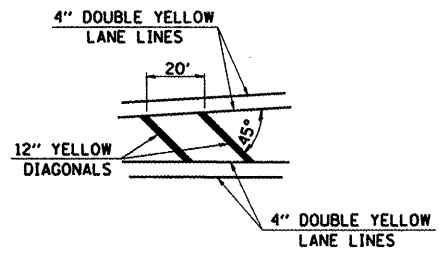


BI-DIRECTIONAL TURN ARROW @ 200' O. C.

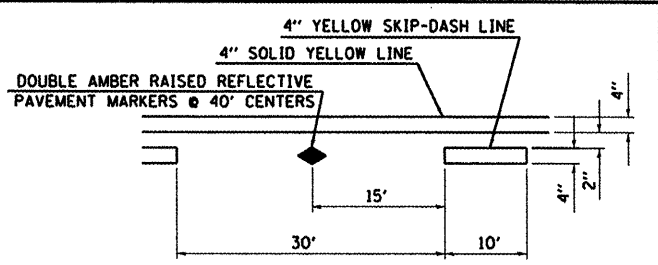
SPEED	CHANNELIZATION & GORES	OBJECTS	CONTINUOUS
<30 MPH	15'	10'	50'
30-45 MPH	20'	15'	75'
>45 MPH	30'	20'	150'



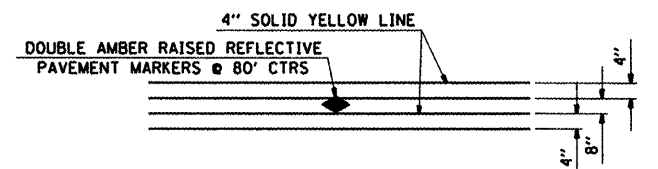
TYPICAL APPLICATION FOR PEDESTRIAN CROSSWALK



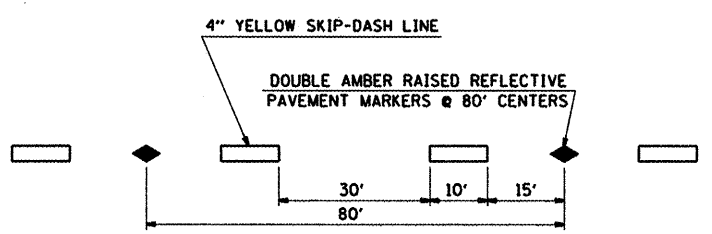
TYPICAL APPLICATION FOR MEDIAN STRIPING



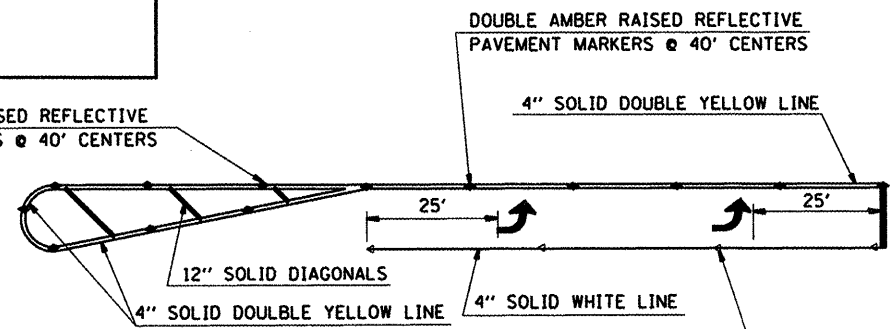
TYPICAL APPLICATION FOR BI-DIRECTIONAL TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS



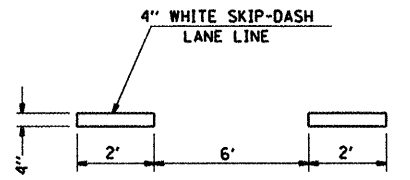
TYPICAL APPLICATION FOR DOUBLE YELLOW LANE LINES WITH RAISED REFLECTIVE PAVEMENT MARKERS



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



TYPICAL APPLICATION FOR LEFT TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS



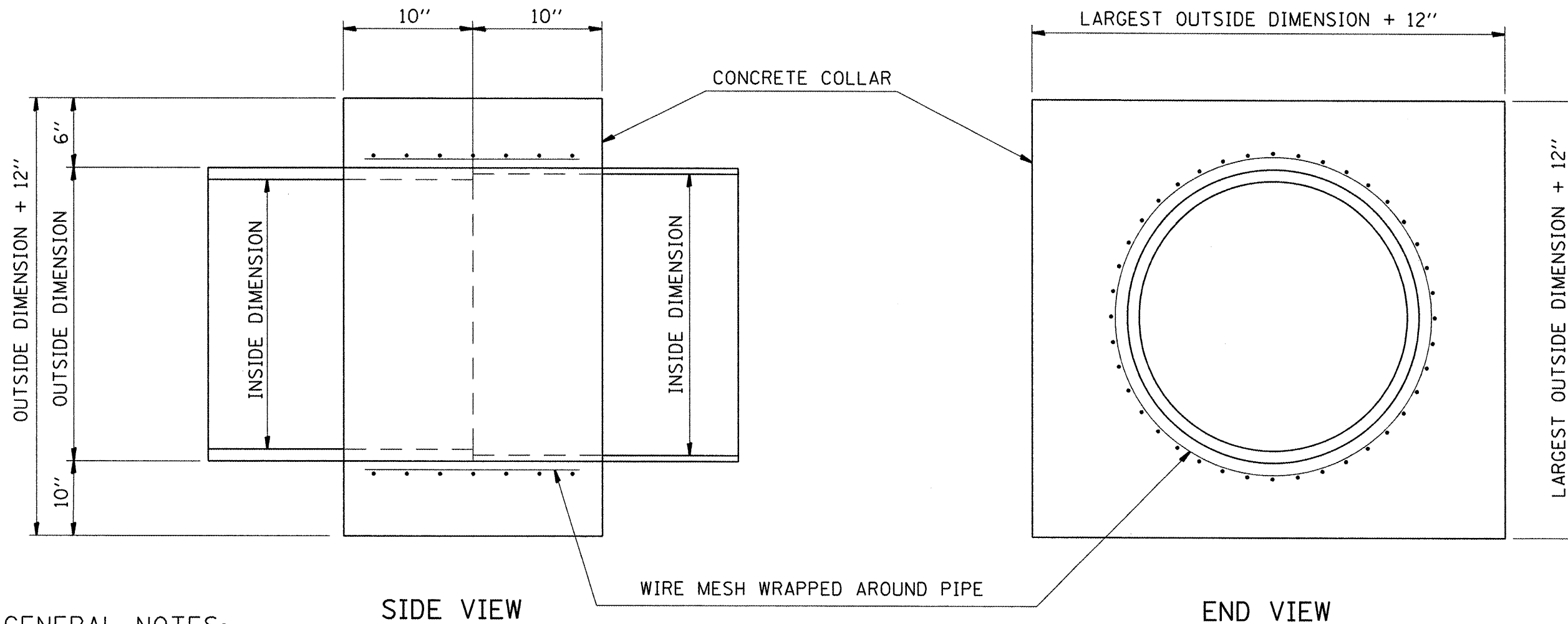
TYPICAL APPLICATION FOR WHITE SKIP-DASH AUX LANE LINES

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS DETAIL
SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
805	10IRS	MARION	61	61
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D46	



GENERAL NOTES:

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIMENSIONS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIMENSION. (SEE END VIEW)
3. THE WIRE MESH SHALL WEIGHT NOT LESS THAN 54 POUNDS PER 100 SQ. FT.
4. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

CULVERTS

- STA. 79+60.81 RT
- STA. 79+99.81 RT
- STA. 127+20.05 RT
- STA. 127+78.99 RT

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CONTRACT NO. 76D46