

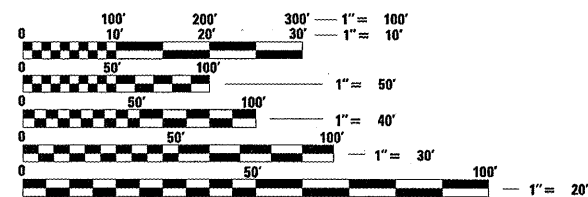
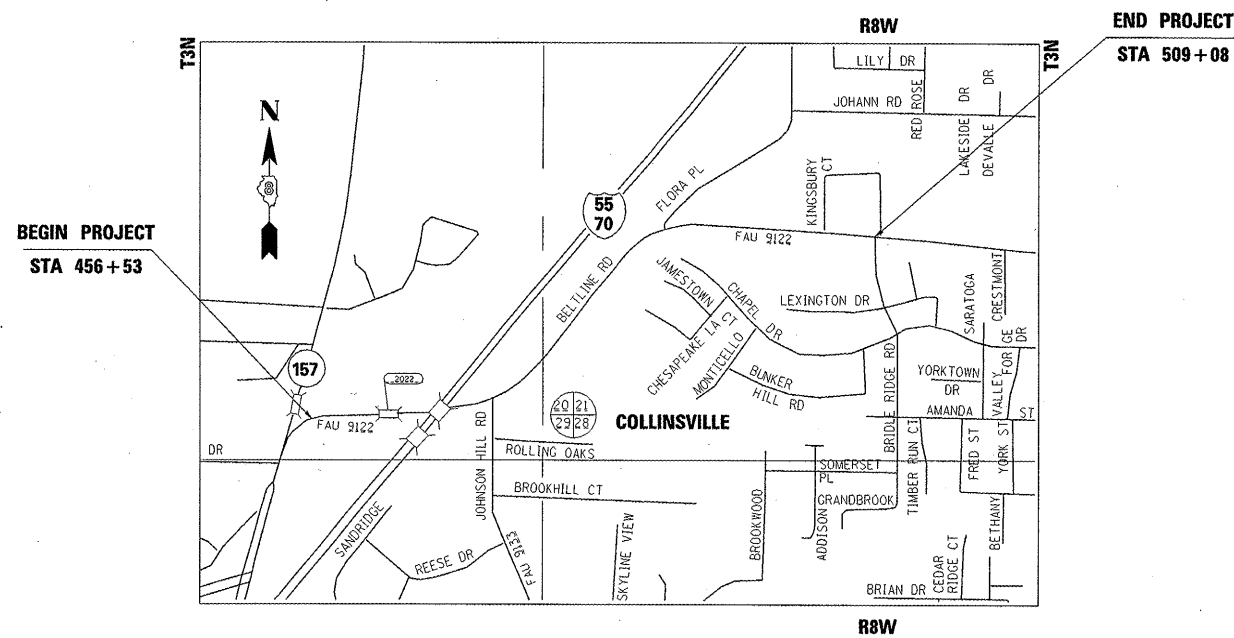
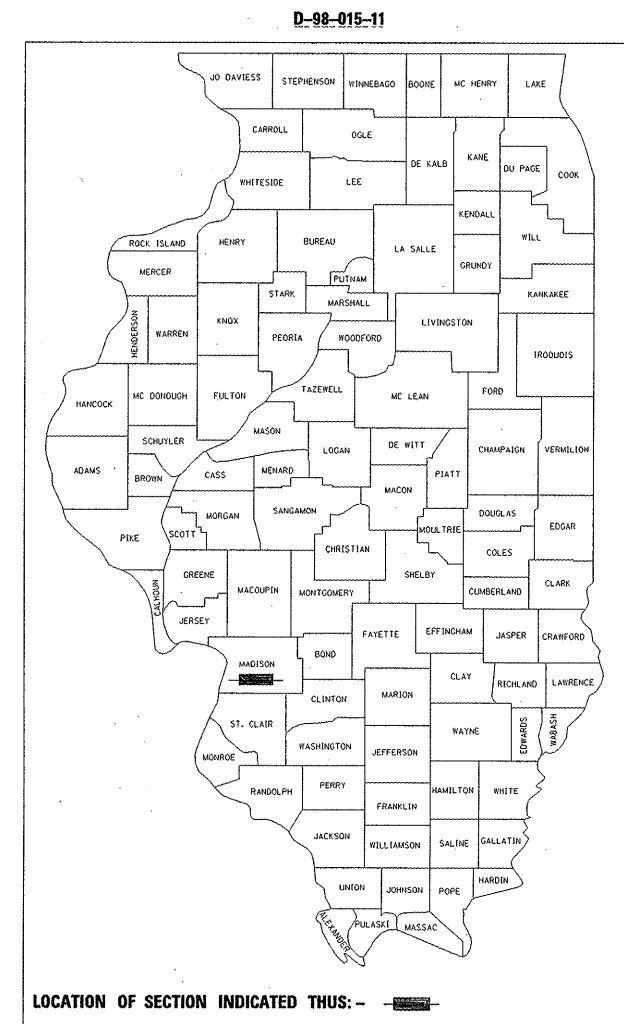
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9122	30Z-1-3	MADISON	10	1
		ILLINOIS	CONTRACT NO. 76E35	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

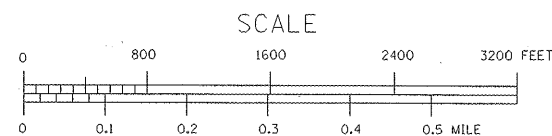
FAU ROUTE 9122 (BELTLINE ROAD)  
SECTION 30Z-1-3  
SAFETY SHOULDERS &  
RUMBLE STRIPS  
MADISON COUNTY  
PROJECT HSIP-9122(008)  
C-98-014-11

FOR INDEX OF SHEETS, SEE SHEET NO. 2



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: LIZ BURNSIDE (618)346-3196

2006 ADT = 22400  
2030 ADT = 28400  
SU = 5.0%  
MU = 1.2%

GROSS LENGTH = 5255 FT. = 1.00 MILE  
NET LENGTH = 5255 FT. = 1.00 MILE

CONTRACT NO. 76E35

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED December 16 20 10  
*Mary C. Jamme*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 4 20 11  
*Scott Estitt, P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

February 4 20 11  
*Christine M. Reedler*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, GENERAL NOTES  
COMMITMENTS & HIGHWAY STANDARDS
- 3 SUMMARY OF QUANTITIES
- 4 TYPICAL SECTION
- 5 SCHEDULES OF QUANTITIES & DETAILS
- 6-10 PLAN SHEETS

HIGHWAY STANDARDS

- .000001-05
- 001006
- 482006-03
- 606101-04
- 701006-03
- 701101-02
- 701106-02
- 701426-03
- 701602-04
- 701606-06
- 701901-01

COMMITMENTS

NONE

GENERAL NOTES

- ① EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.
- ② ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO 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:

UTILITY	ABOVE GROUND	BELOW GROUND
* AMERENIP (GAS AND ELECTRIC)	X	X
* AT&T ILLINOIS (COMMUNICATIONS)	X	X
* CHARTER COMMUNICATIONS, INC. (CABEL TV)	X	X
* CITY OF COLLINSVILLE (WATER AND SANITARY SEWER)		X
* SOUTHWESTERN ELECTRIC COOPERATIVE, INC. (ELECTRIC)	X	
* CITY OF TROY (WATER AND SANITARY SEWER)		X

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

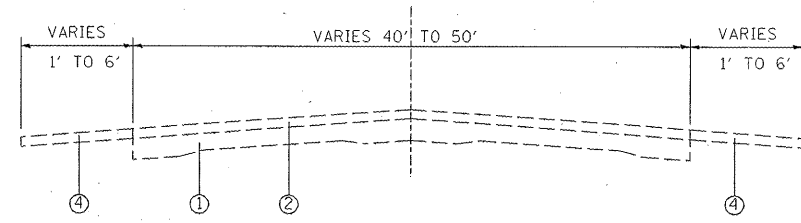
- ③ THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- ④ "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE. (48"X48")
- ⑤ EXCAVATION ADJACENT TO EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTS AT 100' SPACING.
- ⑥ THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ⑦ ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
- ⑧ THE AREAS OF SHOULDER BEING REMOVED WILL BE 4' IN WIDTH FOR THE SPECIFIED LENGTH AS INDICATED IN THE PLANS AND WILL BE PAID FOR AS PAVED SHOULDER REMOVAL DUE TO THE EXISTING VARIOUS WIDTHS AND MATERIALS.
- ⑨ 7000 FT OF URETHANE PAVEMENT MARKING SOLID LINE, 4" HAVE BEEN ADDED TO THE QUANTITY FOR EDGE LINES SHOULD EXISTING GET DAMAGED DURING SHOULDER REMOVAL AND REPLACEMENT.
- ⑩ THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SHOULDERS ≥ 2.25"	SHOULDERS < 2.25"
AC/PG	PG 64-22	PG 64-22
RAP % (MAX)	SEE CONTRACT RAP SPECIAL PROVISION	SEE CONTRACT RAP SPECIAL PROVISION
DESIGN AIR VOIDS		
MIX COMPOSITION (GRADATION MIXTURE)	**2.0%NDES=30 NMAS 3/4"	**2.0%NDES=30 NMAS 1/2"
FRICITION AGG		

\*\* Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids to 1.5%.  
Plan quantities for Bituminous Concrete Surface Course items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

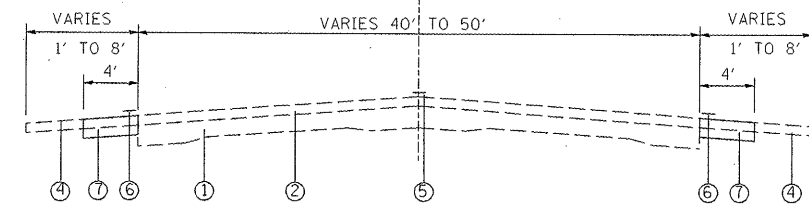
# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		90% FED 10% STATE URBAN	-----	-----	CODE NO	ITEM	UNIT		-----	-----	-----
44000400	GUTTER REMOVAL	FOOT	1958	1958									
44004250	PAVED SHOULDER REMOVAL	SO YD	3877	3877									
48101200	AGGREGATE SHOULDERS, TYPE B	TON	213	213									
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SO YD	3877	3877									
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	10	10									
60602500	CONCRETE GUTTER, TYPE A	FOOT	1511	1511									
64200105	SHOULDER RUMBLE STRIPS	FOOT	7521	7521									
67100100	MOBILIZATION	L SUM	1	1									
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1									
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1									
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1171	1171									
70300220	TEMPORARY PAVEMENT MARKING- LINE 4"	FOOT	12884	12884									
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	390	390									
78300100	PAVEMENT MARKING REMOVAL	SO FT	4295	4295									
X0325866	CENTER LINE - RUMBLE STRIP	FOOT	6442	6442									
*X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	19884	19884									
*SPECIALTY ITEM													



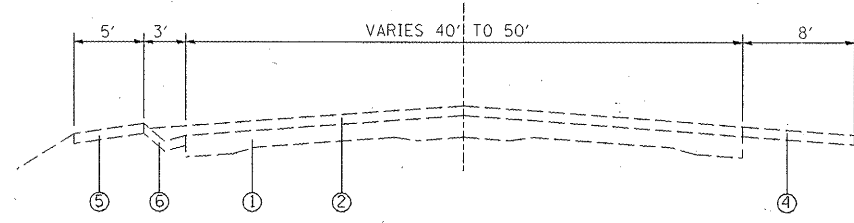
EXISTING TYPICAL SECTION

STA. 457+40 TO STA. 465+00  
STA. 502+07 TO STA. 514+28



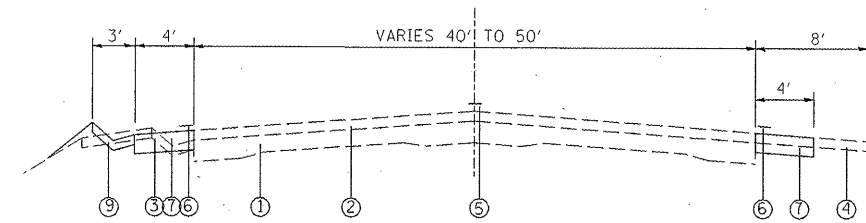
PROPOSED TYPICAL SECTION

STA. 456+53 TO STA. 465+05  
STA. 502+07 TO STA. 509+08



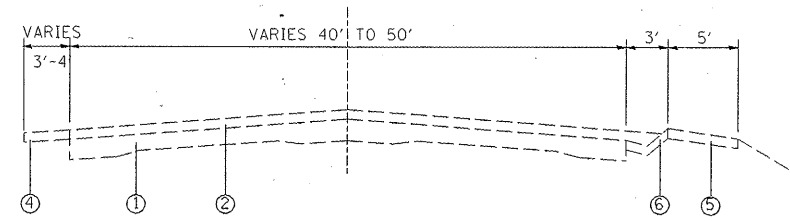
EXISTING TYPICAL SECTION

STA. 465+00 TO STA. 480+16



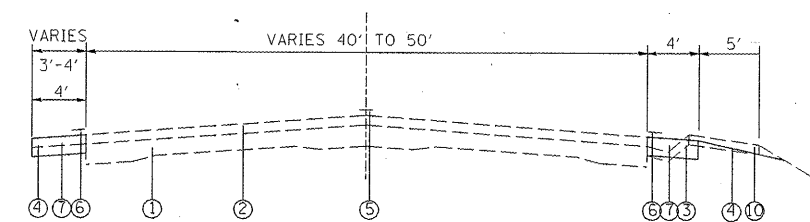
PROPOSED TYPICAL SECTION

STA. 465+05 TO STA. 480+16



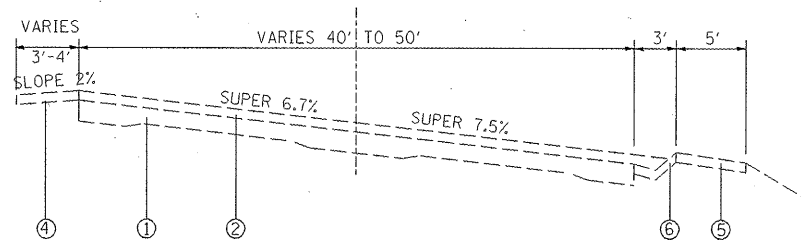
EXISTING TYPICAL SECTION

STA. 480+16 TO STA. 487+97.6  
STA. 498+42 TO STA. 502+07



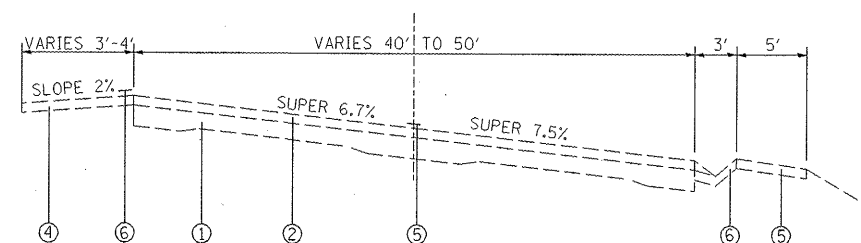
PROPOSED TYPICAL SECTION

STA. 480+16 TO STA. 487+97.6  
STA. 498+42 TO STA. 502+07  
\*GUTTER REMOVAL STA. 482+85 TO STA. 487+32 RT



EXISTING TYPICAL SECTION

STA. 487+97.6 TO STA. 498+42



PROPOSED TYPICAL SECTION

STA. 487+97.6 TO STA. 498+42

LEGEND

- 1 EXISTING PCC PAVEMENT 9-7-9-7-9
- 2 EXISTING RESURFACING 2 1/5"
- 3 EXISTING TYPE A GUTTER
- 4 EXISTING BITUMINOUS, AGGREGATE OR MISC SHOULDER
- 5 PROPOSED CENTERLINE RUMBLE STRIP
- 6 PROPOSED SHOULDER RUMBLE STRIPS
- 7 PROPOSED HOT-MIX ASPHALT SHOULDER, 6"
- 8 PROPOSED AGGREGATE SHOULDER
- 9 PROPOSED CONCRETE GUTTER TYPE A
- 10 PROPOSED SHOULDER TO BE REMOVED

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

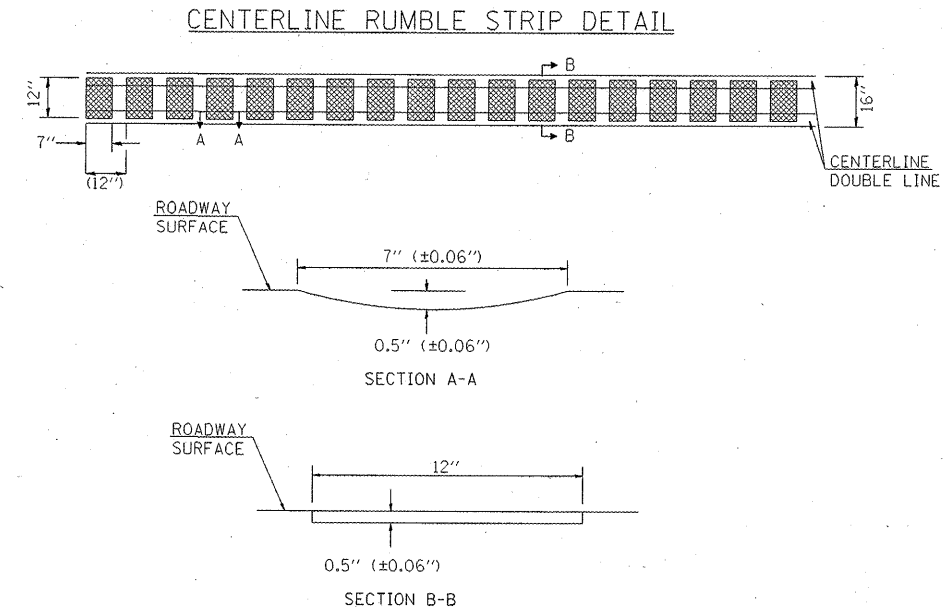
TYPICAL SECTION

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

F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9122	302-1-3	MADISON	10	4
CONTRACT NO. 76E35				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CENTERLINE RUMBLE STRIP				
LOCATION			FOOT	
STA	TO	STA		
456+53	TO	472+44		1591
470+43	TO	473+26		283
473+42	TO	509+08		3566
476+30	TO	478+82		252
488+08	TO	492+53		445
494+77	TO	497+82		305
TOTAL:				6442

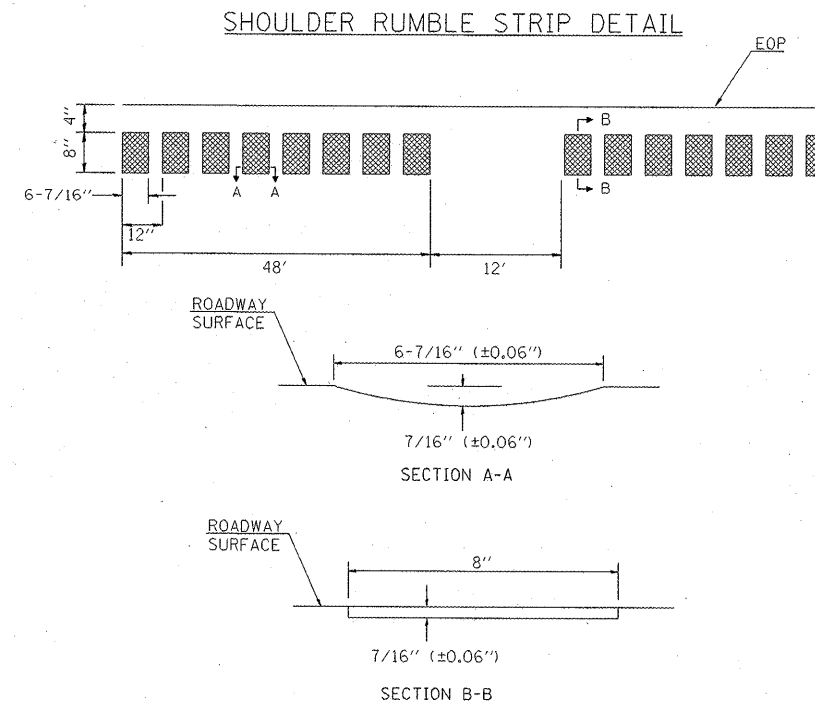
PAVEMENT MARKING SCHEDULE							
LOCATION			TEMPORARY PAVEMENT MARKING SOLID LINE, 4" (YELLOW)	URETHANE PAVEMENT MARKING SOLID LINE, 4" (YELLOW)	PAVEMENT MARKING REMOVAL	SHORT-TERM PAVEMENT MARKING (YELLOW)	WORKZONE PAVEMENT MARKING REMOVAL
STA	TO	STA	FOOT	FOOT	SQ FT	FOOT	SQ FT
456+53	TO	472+44	3182	3182	1061	289	96
470+43	TO	473+26	566	566	189	51	17
473+42	TO	509+08	7132	7132	2377	648	216
476+30	TO	478+82	504	504	168	46	15
488+08	TO	492+53	890	890	297	81	27
494+77	TO	497+82	610	610	203	55	18
TOTAL:			12884	12884	4295	1171	390



NOTE: THE PROPOSED CENTERLINE PAVEMENT MARKINGS SHALL BE PLACED AFTER THE CONSTRUCTION OF THE RUMBLE STRIP.

SHOULDER RUMBLE STRIPS				
LOCATION			FOOT	
STA	TO	STA		
RIGHT				
457+40	TO	459+40		200
460+25	TO	469+00		875
470+30	TO	472+34		204
473+70	TO	476+28		258
477+24	TO	487+32		1008
502+07	TO	509+08		701
LEFT				
459+84	TO	463+04		320
465+05	TO	492+02		2697
492+88	TO	493+60		72
495+07	TO	497+22		215
497+70	TO	505+37		767
507+04	TO	509+08		204
TOTAL:				7521

SHOULDERS					
LOCATION			HMA SHOULDERS, 6"	AGGREGATE SHOULDERS, TYPE B	PAVED SHOULDER REMOVAL
STA	TO	STA	(SQ YD)	(TON)	(SQ YD)
RIGHT					
456+71	TO	472+34	695		695
473+70	TO	487+32	605		605
487+32	TO	496+45	406	213	406
502+07	TO	509+08	312		312
LEFT					
456+71	TO	488+00	1391		1391
498+53	TO	509+08	469		469
TOTAL :			3877	213	3877



NOTE: THE RUMBLE STRIP PATTERN WILL BE 48' WITH A 12' GAP

CONCRETE GUTTER					
LOCATION			CONCRETE GUTTER TYPE A	CLASS SI CONCRETE (OUTLET)	GUTTER REMOVAL
STA	TO	STA	(FOOT)	(CU YD)	(FOOT)
RIGHT					
482+85	TO	487+32			447
LEFT					
465+05	TO	480+16	1511	10	1511
TOTAL :			1511	10	1958

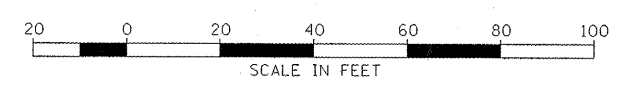
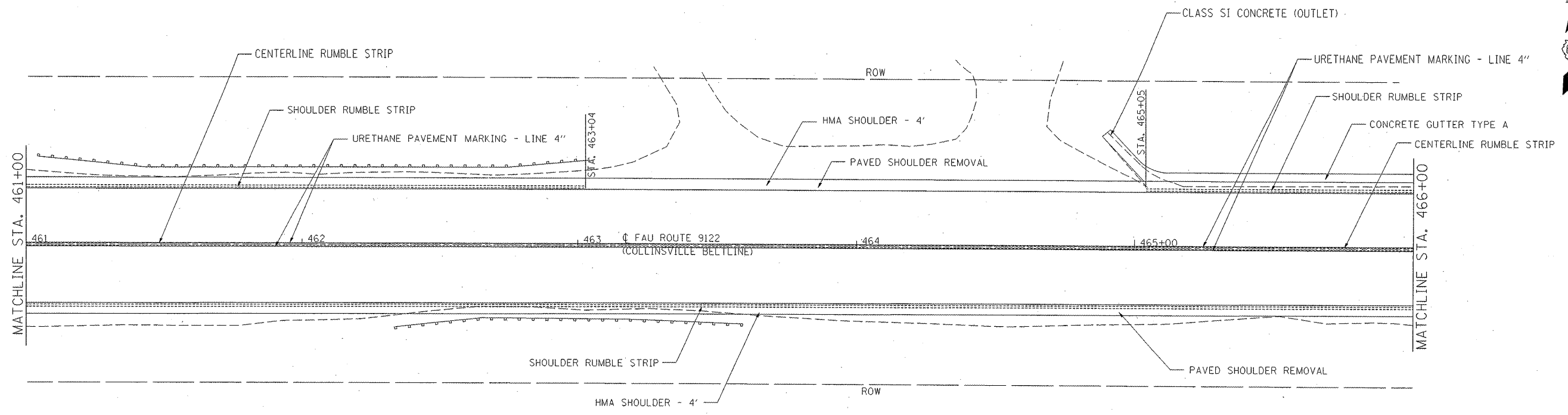
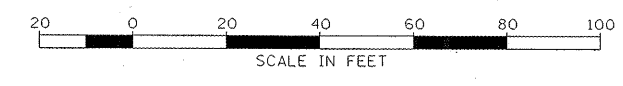
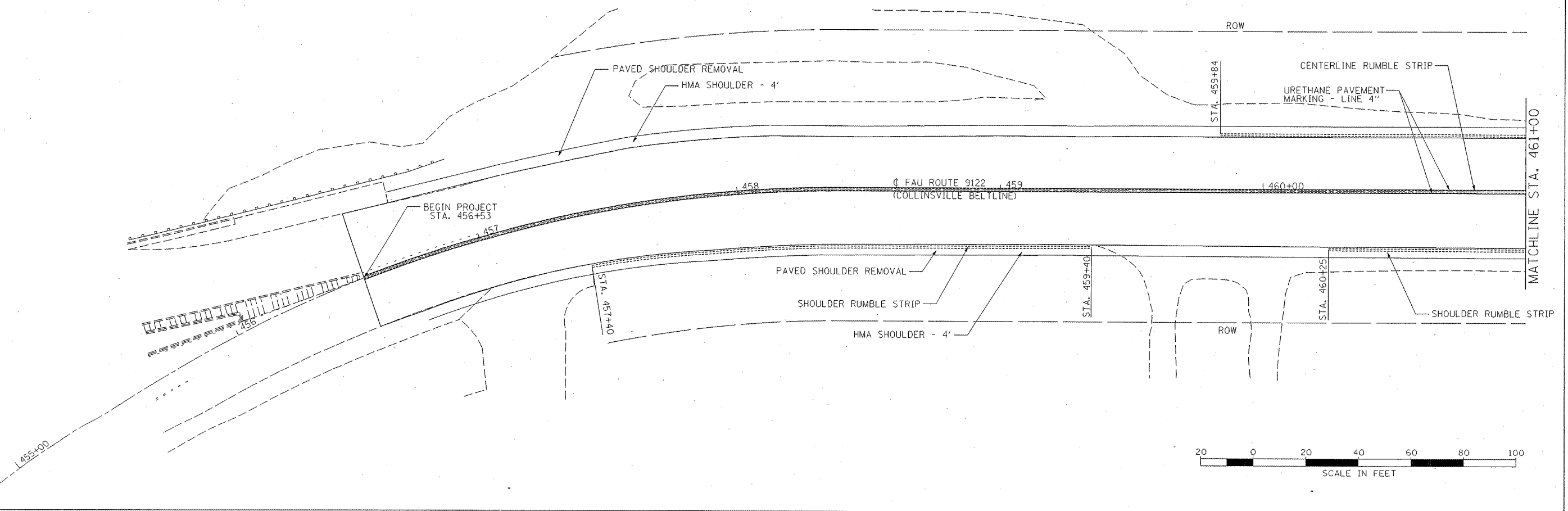
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULES & DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9122	30Z-I-3	MADISON	10	5
CONTRACT NO. 76E35				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

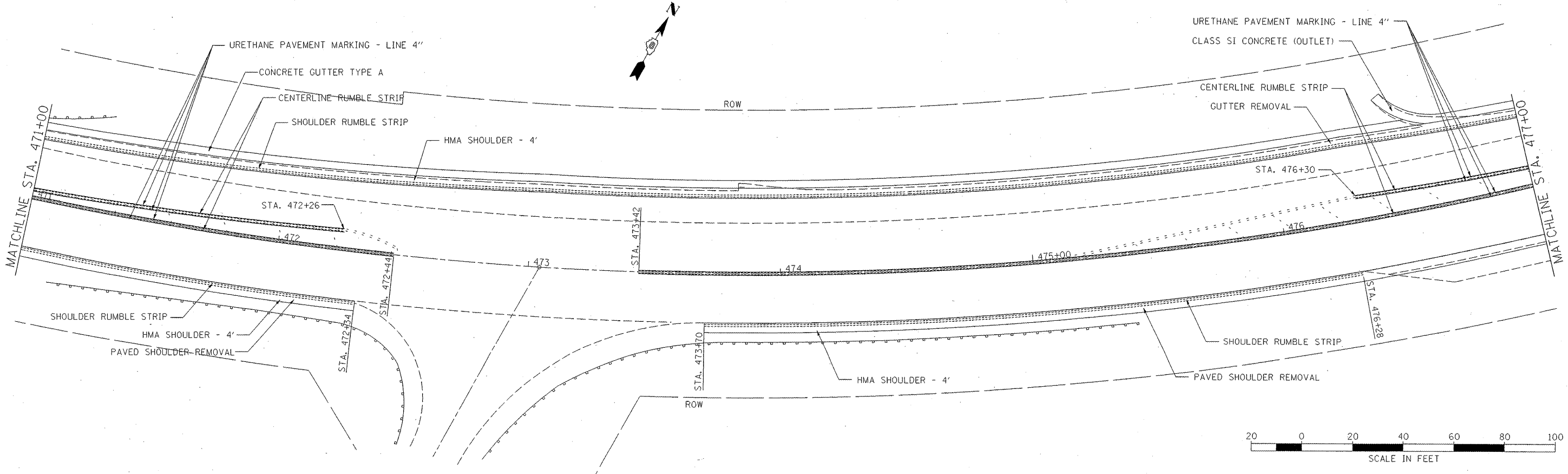
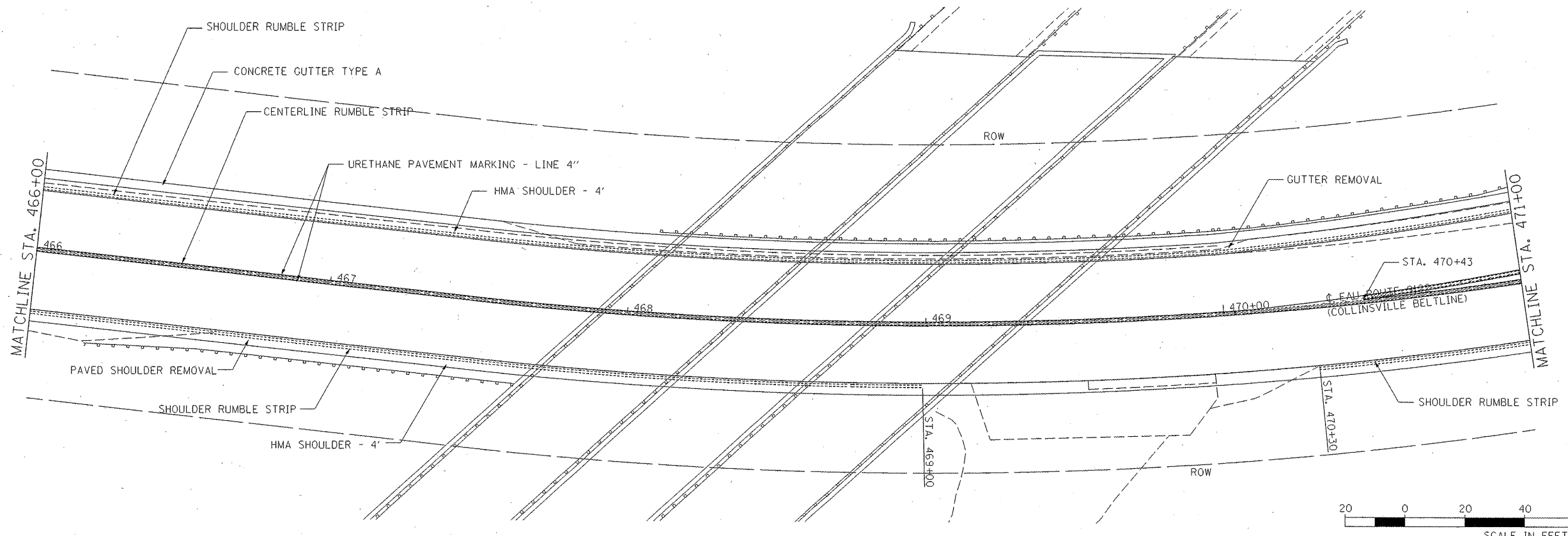


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEETS</b>	
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STA. _____	TO STA. _____

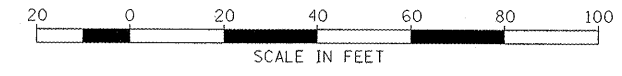
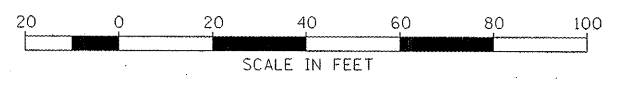
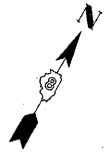
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FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76E35	

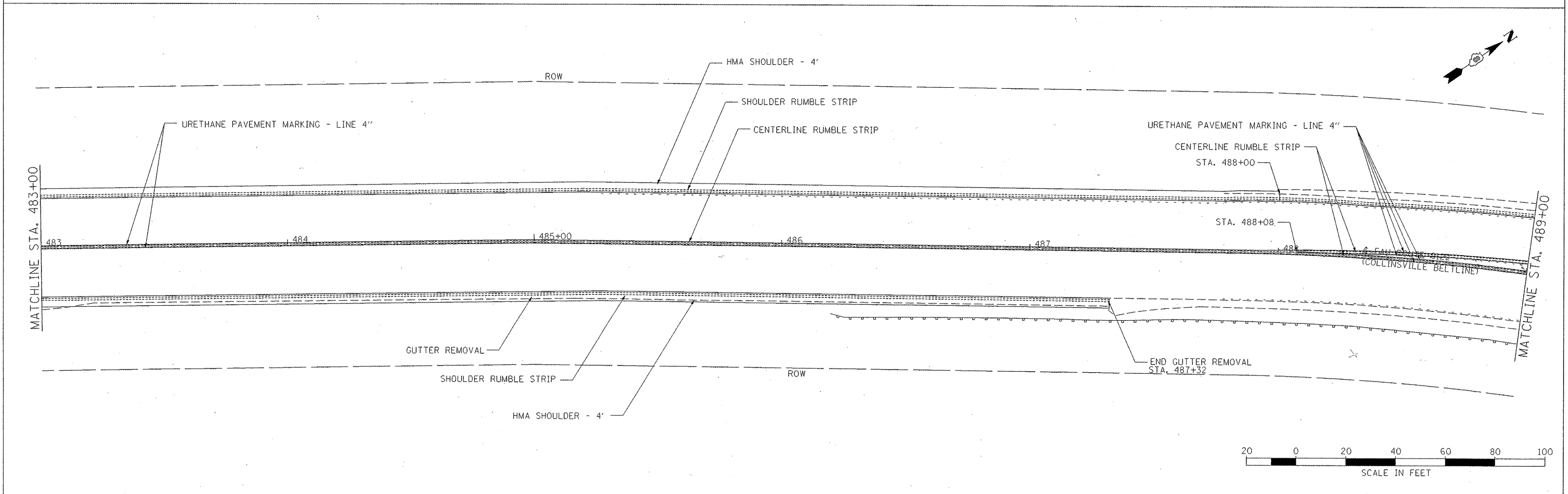
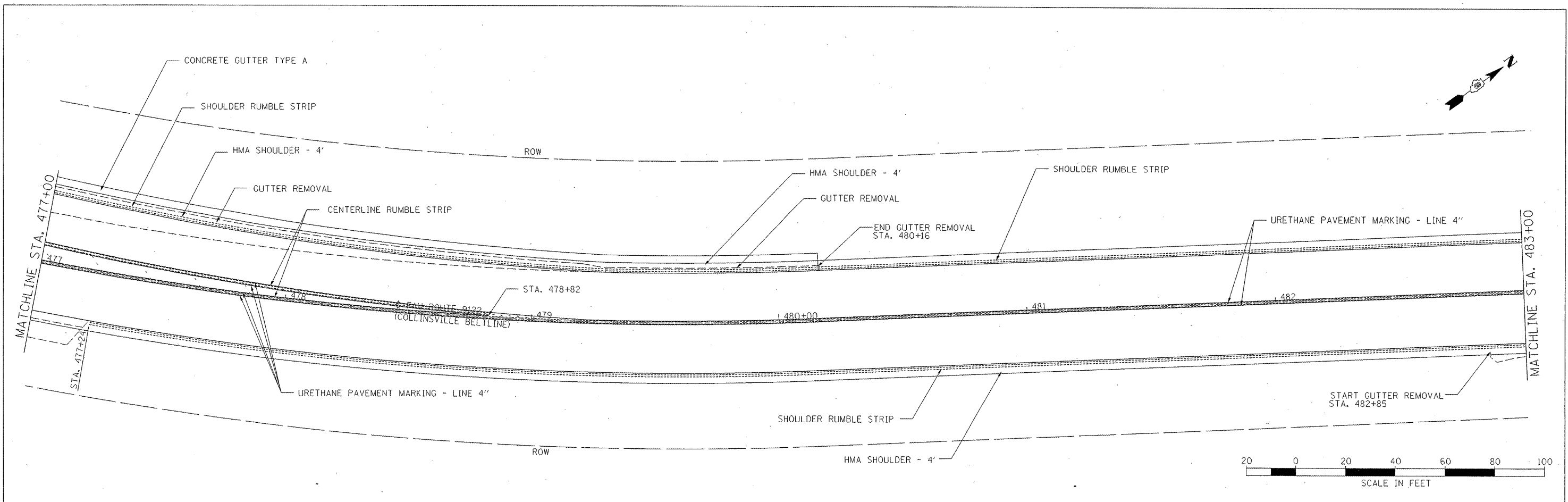


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

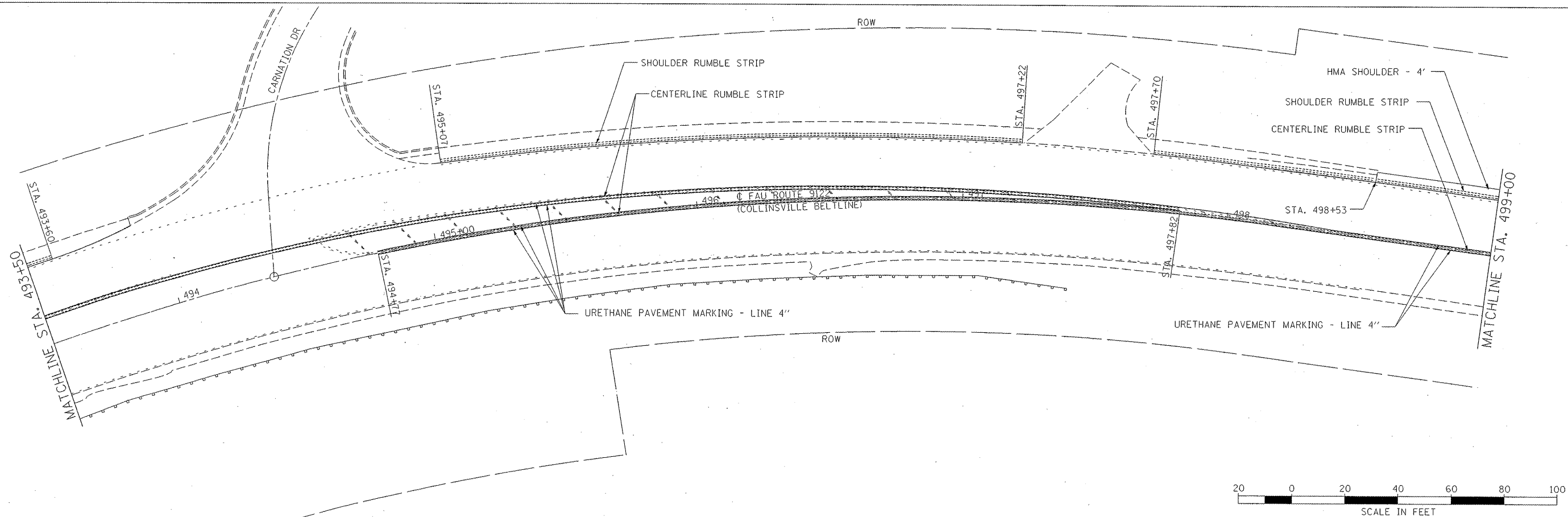
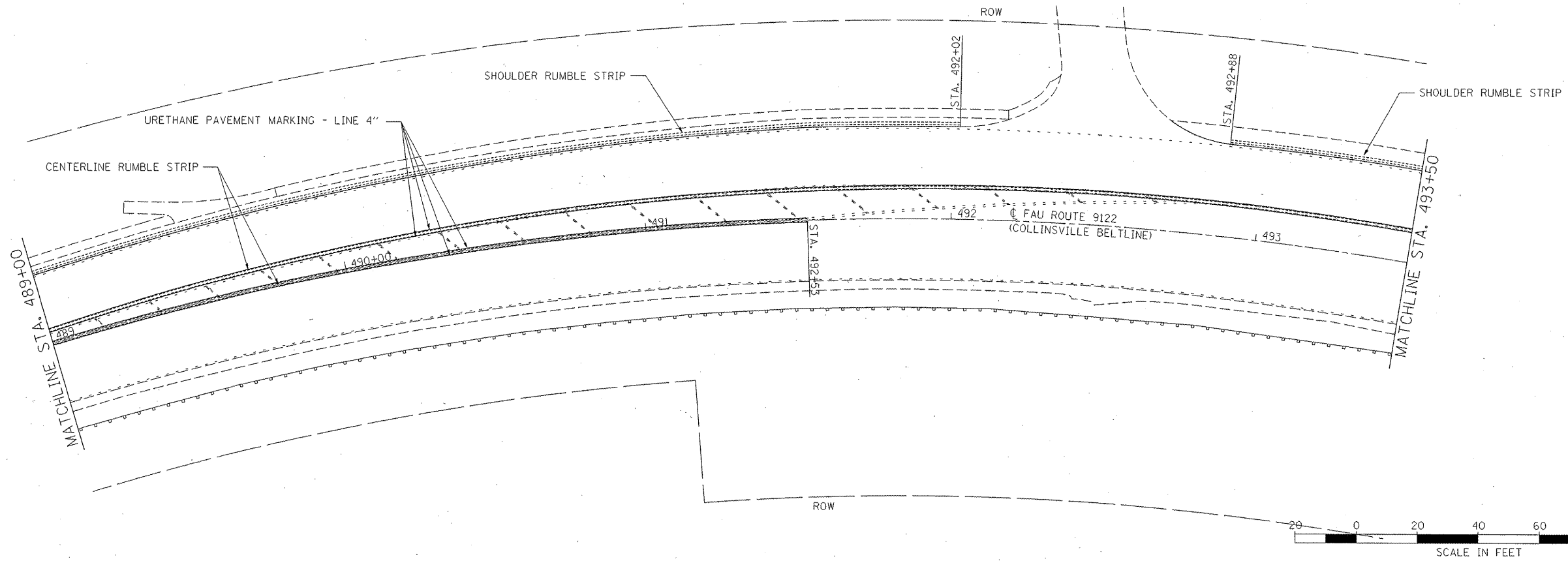
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						9122	302-1-3	MADISON	10	7
						FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				





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	PLOT DATE = 12/14/2010	DATE -	REVISED -					FED. ROAD DIST. NO. _____	ILLINOIS FED. AID PROJECT			



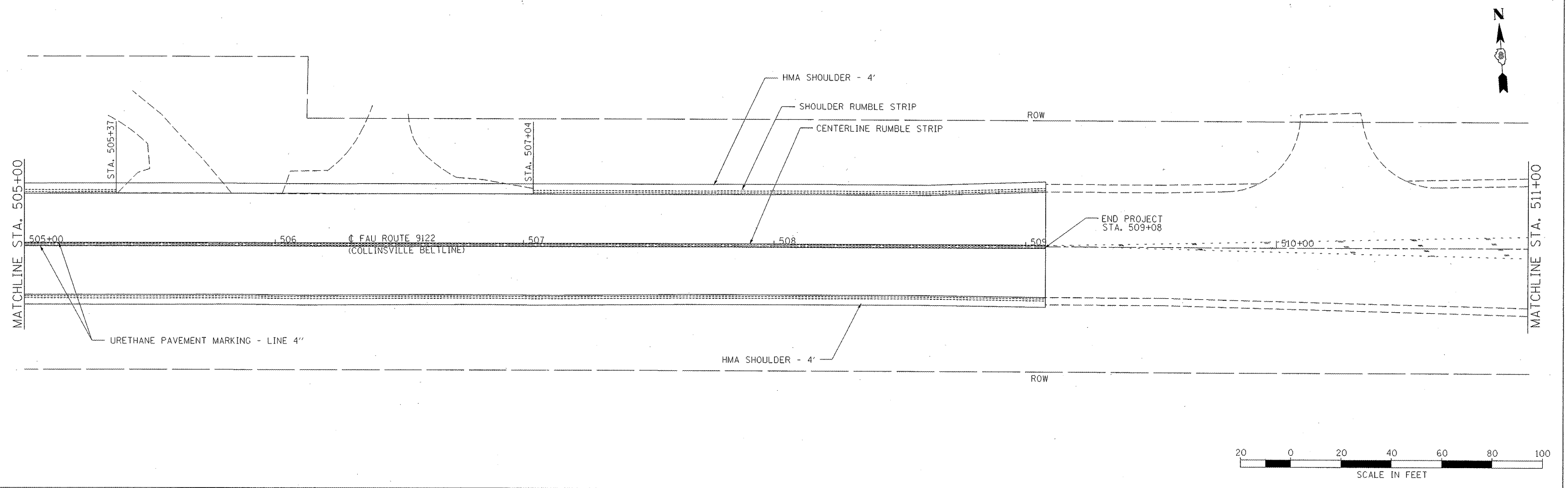
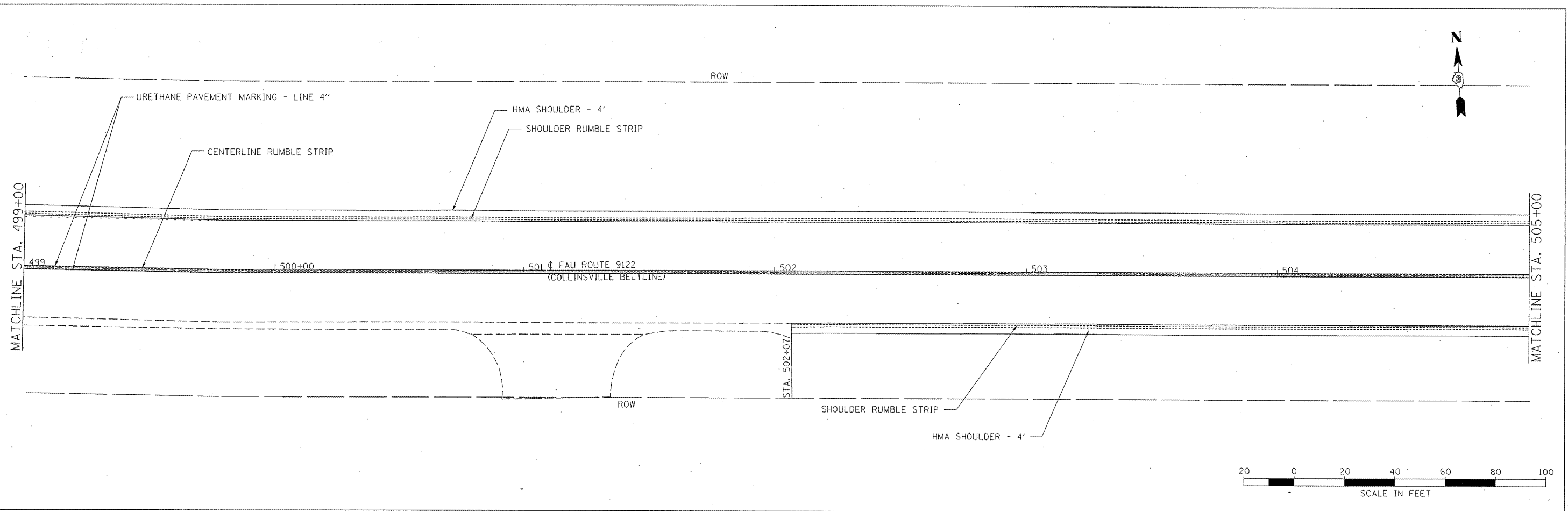


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	F.A.U. RTE. 9122	SECTION 302-1-3	COUNTY MADISON	TOTAL SHEETS 10	SHEET NO. 9
			CONTRACT NO. 76E35				
			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



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	PLOT DATE = 12/14/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEETS</b>	
SCALE: _____	SHEET NO. ____ OF ____ SHEETS
STA. _____	TO STA. _____

F.A.U. RTE. 9122	SECTION 302-I-3	COUNTY MADISON	TOTAL SHEETS 10	SHEET NO. 10
CONTRACT NO. 76E35				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				