

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

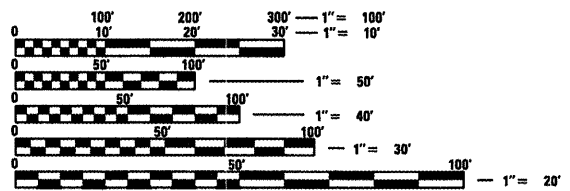
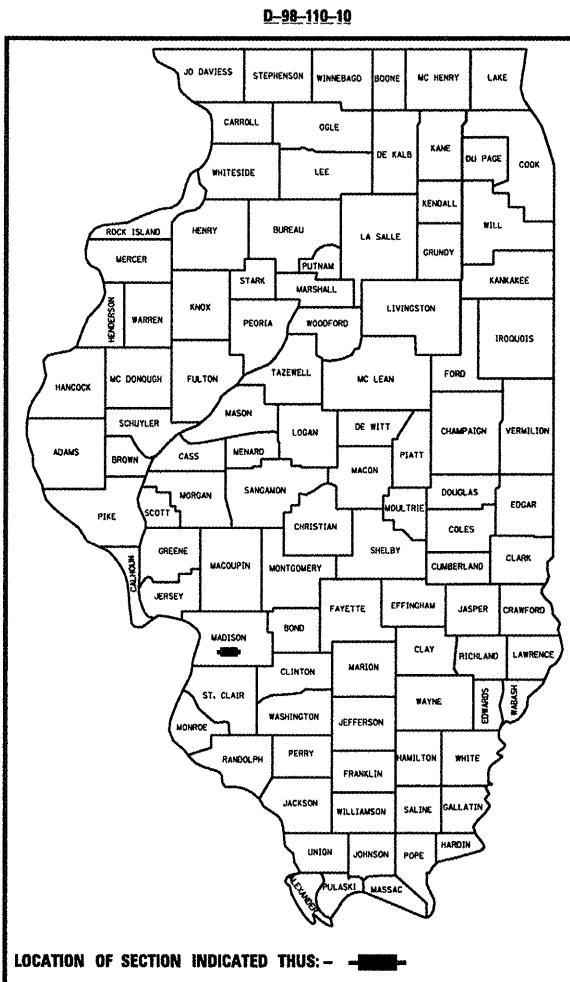
FAP ROUTE 586 (IL 162)  
SECTION 57RS-4, (57-1, 51)RS-3  
PROJECT NHF-0586(039)  
3P - RESURFACING  
MADISON COUNTY

C-98-134-10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	57RS-4, (57-1, 51)RS-3	MADISON	33	3
		ILLINOIS	CONTRACT NO. 76E49	

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES, STANDARDS, COMMITMENTS
3. SUMMARY OF QUANTITIES
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8. - 13. TYPICAL SECTIONS
14. - 20. PLAN SHEET
21. - 27. PAVEMENT MARKING SHEETS
28. - 29. TRAFFIC SIGNAL SHEETS
30. - 33. DETAILS SHEET

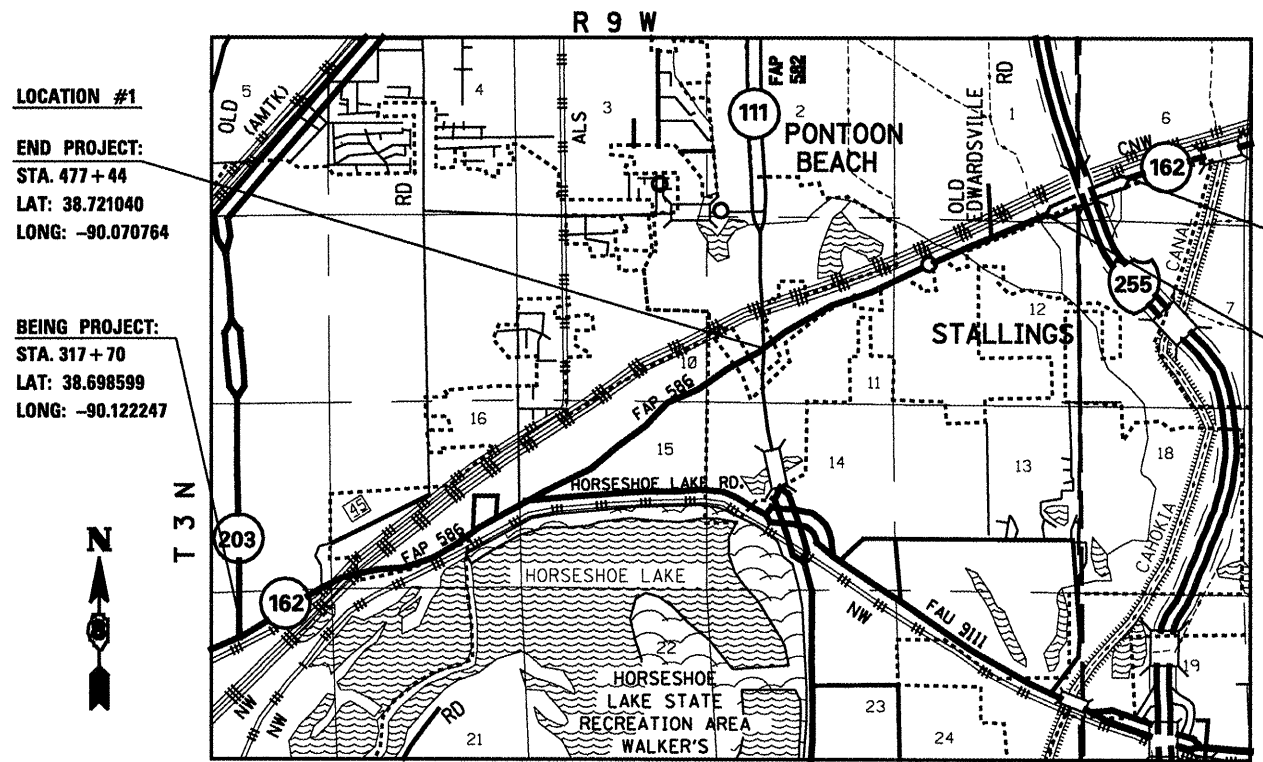


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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. 76E49



LOCATION #1  
END PROJECT:  
STA. 477 + 44  
LAT: 38.721040  
LONG: -90.070764

BEING PROJECT:  
STA. 317 + 70  
LAT: 38.698599  
LONG: -90.122247

LOCATION #2  
END PROJECT:  
STA. 51 + 10  
LAT: 38.733601  
LONG: -90.036035  
BEING PROJECT:  
STA. 6 + 80  
LAT: 38.732040  
LONG: -90.041322

FUNCTIONAL CLASSIFICATION:  
OTHER PRINCIPAL ARTERIAL

LOCATION 1	LOCATION 2
GROSS LENGTH = 15,974 FT. = 3.02 MI	GROSS LENGTH = 4752 FT. = 0.9 MI
NET LENGTH = 15,974 FT. = 3.02 MI	NET LENGTH = 4752 FT. = 0.9 MI
TOTAL NET LENGTH = 20,726 FT. = 3.92 MI	

LOCATION 1:  
IL 162 FROM IL 203  
TO IL 111 ADT

2009 = 7100
2010 = 7200
2030 = 8800
S.U. = 2.1%
M.U. = 1.8%

LOCATION 2:  
IL 162 @ 255 ADT

2009 = 6100
2010 = 6200
2030 = 7800
S.U. = 3.7%
M.U. = 1.6%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Feb 7 20 11  
*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

March 25 20 11  
*[Signature]*  
ACTING ENGINEER OF DESIGN AND ENVIRONMENT

March 25 20 11  
*[Signature]*  
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 ILLINOIS - GAS & ELECTRIC	AERIAL, BURIED
•AT&T ILLINOIS - COMMUNICATIONS	AERIAL, BURIED
•AT&T CORPORATION - COMMUNICATIONS	BURIED
•BUCKEYE PARTNERS L.P. WOOD RIVER PIPELINE - PIPELINE	BURIED
•CENTERPOINT ENERGY - PIPELINE	BURIED
•CHARTER COMMUNICATIONS, INC. - CABLE TV	BURIED
•CITY OF GRANITE CITY - SEWER	BURIED
•CONSOLIDATED COMMUNICATIONS - COMMUNICATIONS	AERIAL, BURIED
•ILLINOIS AMERICAN WATER COMPANY - WATER	BURIED
•MADISON COUNTY SPECIAL SERVICE AREA#1 - SEWER	BURIED
•PAETEC - COMMUNICATIONS	BURIED
•PONTOON BEACH PUBLIC WATER DISTRICT - WATER	BURIED
•SOUTHWESTERN ELECTRIC COOPERATIVE, INC - ELECTRIC	AERIAL
•US STEEL GRANITE CITY WORKS - WATER, SEWER, GAS, ELECTRIC	BURIED
•VILLAGE OF GLEN CARBON - WATER, SEWER	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. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

4. 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.

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

MIXTURE USE	POLY-SURFACE	BINDER/PATCHING	PARTIAL DEPTH PATCH	LEVEL BINDER	SHOULDER > 2.25"	SHOULDER > 2.25"
AC/PG	SBG 76-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE CONTRACT RAP	SEE CONTRACT RAP
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70	SPECIAL PROVISION	SPECIAL PROVISION
MIX COMPOSITION					**2.0% @ Ndes=30	**2.0% @ Ndes=30
(GRADATION MIXTURE)	IL 12.5/9.5	IL 19.0		IL 9.5	NMAS 3/4"	NMAS 1/2"
FRICTION AGG	MIXTURE "D"	MIXTURE "B"	MIXTURE "C"	MIXTURE "C"		

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

6. 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.

7. THE CONTRACTOR SHALL MILL BEFORE PATCHING ONLY AT LOCATION #1. ALL PATCHES SHALL BE PLACE AT THE RESIDENT ENGINEER'S DISCRETION.

8. '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".

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

10. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.

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

12. ALL DETECTOR LOOPS IN PCC AREA WILL NOT BE REMOVED.

13. 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

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

COMMITMENTS  
NO COMMITMENTS

STANDARDS

- 000001-06
- 442101-07
- 442201-03
- 701011-02
- 701201-04
- 701306-03
- 701311-03
- 701501-06
- 701701-07
- 701901-01
- 780001-02
- 781001-03
- 886001-01
- 886006-01

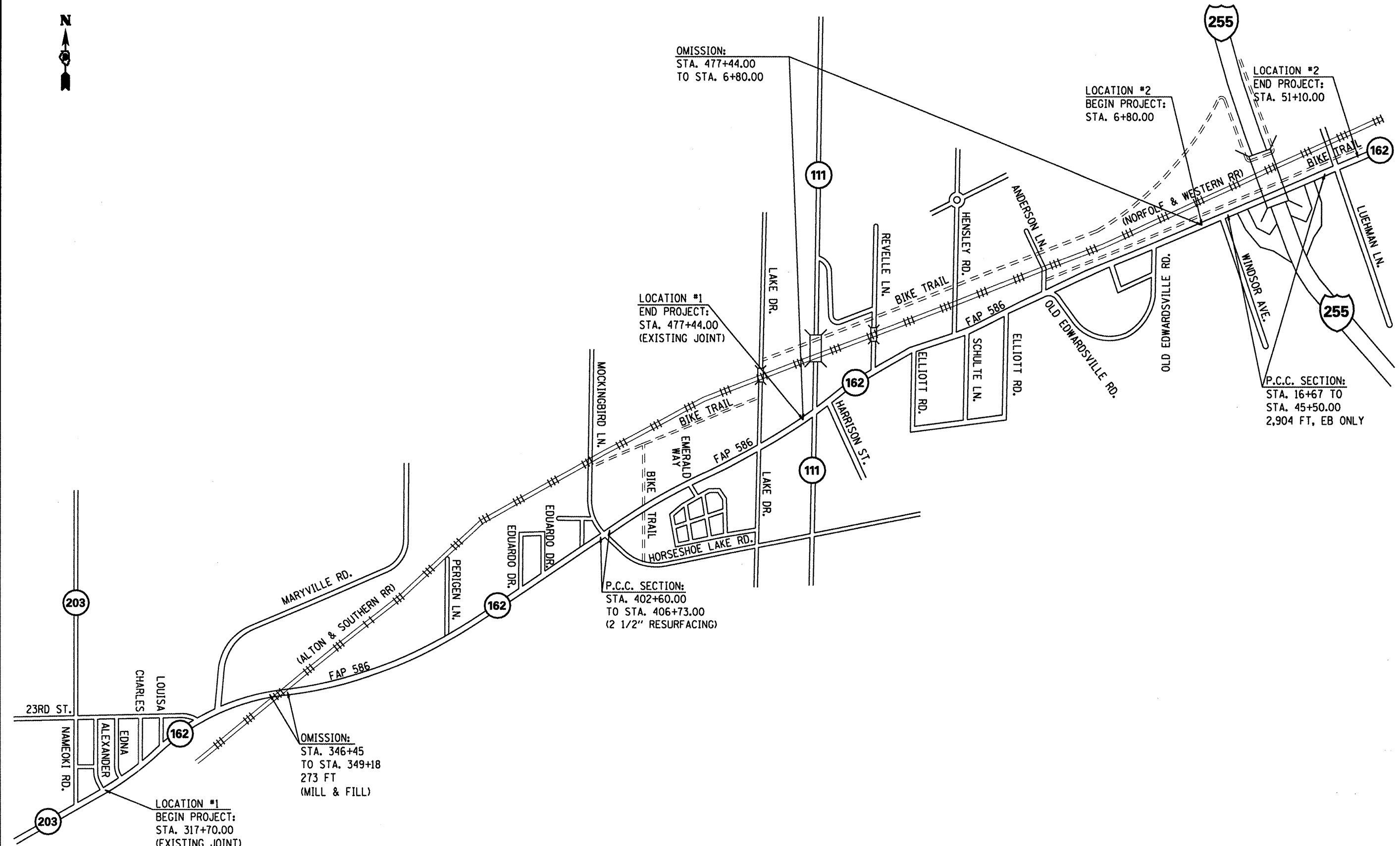
FILE NAME :	USER NAME * #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, COMMITMENTS &amp; STANDARDS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
SCALE:	PLOT SCALE * #SCALE#	DRAWN - ---	REVISED - ---			586	578S-4-(57-1)S18S-3	MADISON	33	2	
	PLOT DATE * #DATE#	CHECKED - ---	REVISED - ---			CONTRACT NO. 76E49					
		DATE - ---	REVISED - ---			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: 0005		SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: 0005	
CODE NO	ITEM	UNIT		LOCATION #1 80% FED 20% STATE	LOCATION #2 80% FED 20% STATE	CODE NO	ITEM	UNIT		LOCATION #1 80% FED 20% STATE	LOCATION #2 80% FED 20% STATE
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	24	18	6	*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	574.6	465.4	109.2
40600300	AGGREGATE (PRIME COAT)	TON	113	85	28	*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	60863	46782	14081
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	3336	2466	870	*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	374	329	45
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1027	533.5	493.5	*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	631	631	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	358.2		358.2	*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	505	444	61
40600990	TEMPORARY RAMP	SQ YD	1390	853	537	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	505	444	61
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	6280	4719	1561	80300100	LOCATING UNDERGROUND CABLE	FOOT	60	60	
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	1	0.5	0.5	88600600	DETECTOR LOOP REPLACEMENT	FOOT	1927	1927	
40800030	AGGREGATE (PRIME COAT)	TON	3.4	2	1.4	<del>20037520</del>	<del>PAVEMENT PATCHING (PARTIAL DEPTH)</del>	<del>SQ YD</del>	<del>92.1</del>		<del>92.1</del>
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	207	125	82	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	60747	48580	12167	X4421000	PARTIAL DEPTH PATCHING	TON	10.3		10.3
44022025	PARTIAL DEPTH REMOVAL 2"	SQ YD	92.1		92.1						
44200152	PAVEMENT PATCHING, TYPE I, 13 INCH	SQ YD	3		3						
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	584.7	453	131.7						
44200160	PAVEMENT PATCHING, TYPE III, 13 INCH	SQ YD	57.2	57.2							
44200162	PAVEMENT PATCHING, TYPE IV, 13 INCH	SQ YD	86.2	56.8	29.4						
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	505	381	124						
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1792	413	1379						
<del>67000400</del>	<del>ENGINEER'S FIELD OFFICE, TYPE A</del>	<del>GAL MO</del>	<del>0</del>	<del>0</del>	<del>0</del>						
67100100	MOBILIZATION	L SUM	1	0.5	0.5						
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	0.5	0.5						
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.5						
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.5	0.5						
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.5	0.5						
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	0.5	0.5						
70300100	SHORT TERM PAVEMENT MARKING	FOOT	103966	47632	56324						
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	574.6	465.4	109.2						
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	60863	46782	14081						
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	374	329	45						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	521	521							
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	21037	16343	4694						

\*SPECIALTY ITEM

FILE NAME =	USER NAME = *USER*	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILE#		DRAWN - ---	REVISED - ---			586	5785-4-157-1-5185-3	MADISON	33	3
PLOT SCALE = *SCALE*		CHECKED - ---	REVISED - ---			SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 76E49		
PLOT DATE = *DATE*		DATE - -----	REVISED - ---	FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT						



FILE NAME :  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	5785-4..157-1.5185-3	MADISON	33	4

FED. ROAD DIST. NO. \_\_\_\_\_ ILLINOIS FED. AID PROJECT  
CONTRACT NO. 76E49

THERMOPLASTIC PAVEMENT MARKING SCHEDULE LOCATION #2													
STA.	TO	STA.	LENGTH (FT)	LINE 4"				RAISED REFLECTIVE PAVEMENT MARKERS					
				LINE 12"		SKIP-DASH		TWO-WAY AMBER (EACH)	ONE-WAY CRYSTAL (EACH)	REMOVAL (EACH)			
				YELLOW (FT)	WHITE (FT)	YELLOW (FT)	YELLOW (FT)						
LOCATION # 2: I-255													
10+40.	TO	46+52.	3612		7224								
21+94.	TO	24+30.	236		236								
35+77.	TO	38+25.	248		248								
16+00.	TO	21+47.	547			1094							
21+91.	TO	35+30.	1339			2678							
35+74.	TO	46+52.	1078			2156							
47+54.	TO	51+10.	356				89						
44+83.	TO	46+91.	208	45									
NO PASSING													
47+54.	TO	51+10.	356			356							
14+54.		16+54.09						5		5			
21+94.		24+30.						6		6			
35+77.		38+25.						7		7			
47+54.		51+10.						9		9			
6+80.		13+63.						34		34			
SUB TOTAL:					7708	6284	89	43	18	61			
TOTAL:				45	14081			61		61			

THERMOPLASTIC PAVEMENT MARKING SCHEDULE													
STA.	TO	STA.	LENGTH (FT)	LINE 4"				RAISED REFLECTIVE PAVEMENT MARKERS					
				LINE 24"		LINE 12"		SKIP-DASH		TWO-WAY AMBER (EACH)	ONE-WAY AMBER (EACH)	ONE-WAY CRYSTAL (EACH)	REMOVAL (EACH)
				WHITE (FT)	YELLOW (FT)	WHITE (FT)	YELLOW (FT)	WHITE (FT)	YELLOW (FT)				
LOCATION # 1 IL 203 TO IL 111													
334+57.40													
335+01.90													
335+08.20													
339+31.50													
339+93.50													
346+10.33													
346+88.74													
347+18.74													
347+93.20													
348+78.00													
349+49.67													
342+40.78													
342+90.64													
352+00.00													
352+50.00													
404+47.40													
404+80.60													
404+80.90													
405+42.10													
405+65.80													
405+37.20													
23RD ST.													
48+81.00	TO	49+49.00	68						17				
49+41.39													
49+42.77													
49+47.86													
MARYVILLE RD.													
114+63.00	TO	115+43.00	80	80					160				
115+41.60													
115+65.96													
HORSESHOELAKE RD.													
20+41.07													
20+43.51													
MOCKINGBIRD LN.													
19+18.04													
19+22.22													
19+48.67													
398+11.30	TO	402+31.30	420					167					
407+76.00	TO	412+00.00	424					162					
317+70.00	TO	330+74.00	1304							33			33
331+60.00	TO	344+51.00	1291							33			33
344+51.00	TO	398+00.00	5349							134			134
412+00.00	TO	477+44.00	6544							164			164
338+32.00	TO	339+98.00	166								3		3
402+46.00	TO	404+81.00	235								6		6
405+42.00	TO	407+81.00	239								6		6
398+00.00	TO	477+44.00	7944								33		33
405+60.00	TO	477+44.00	7184								32		32
420+22								52					
317+70.00	TO	477+44.00	15974					31948					
331+97.	TO	344+51.	1254							314			
NO PASSING													
317+70.	TO	325+00.	730							730			
325+00.	TO	329+00.	400							400			
329+00.	TO	330+74.	174							348			
342+00.	TO	349+25.	725							1450			
349+25.	TO	356+00.	675							675			
390+23.	TO	398+00.	777							777			
412+00.	TO	425+26.	1326							2652			
425+26.	TO	438+96.	1370							1370			
474+00.93	TO	477+44.	343							871			
330+74.	TO	334+65.	391							782			
335+04.	TO	339+41.	437							874			
339+89.	TO	342+93.	304							608			
317+70.	TO	329+00.	1130							283			
349+25.	TO	398+00.	4875							1219			
425+26.	TO	477+44.	5218							1305			
SUBTOTAL:				631	381	31948	11697	314	2823	364	65	15	444
SUBTOTAL OF LOC. #2: IL 162 @ I-255				0	45	7708	6284	0	89	43	0	18	61
TOTAL:				631	426		60862			505			505

THERMOPLASTIC PAVEMENT MARKINGS LETTERS AND SYMBOLS SCHEDULE													
STA.	TO	STA.	RXR (SQ YD)	TURN ARROWS									
				LEFT TURN		RIGHT TURN		LEFT/THRU		RIGHT/THRU		THRU	
				(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
LOCATION # 1 IL 203 TO IL 111													
343+48.8			61.2										
352+14.2			61.2										
18+21.94			15.6										
19+00.			15.6										
49+26.11			15.6										
115+03.			15.6										
338+50.29			15.6										
339+00.			15.6										
406+15.11			15.6										
407+10.9			15.6										
49+20.			15.6										
115+21.9			15.6										
335+82.6			15.6										
336+57.6			15.6										
340+29.			15.6										
334+10.25					26								
18+37.76						26							
406+13.16							26						
339+00.										11.5			
403+50.										11.5			
403+34.44											27.4	27.4	
LOCATION # 2: I-255													
22+47.86			15.6										
23+16.32			15.6										
23+82.87			15.6										
36+28.79			15.6										
36+81.57			15.6										
37+31.41			15.6										
37+78.65			15.6										
SUB TOTAL:			122.4	234	78	26	52	23	27.4	27.4			
TOTAL:							590.2						

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -			586	5785-4..157-1.511RS-3	MADISON	33	5	
	PLOT DATE = #DATE#	CHECKED -	REVISED -			CONTRACT NO. 76E49					
		DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
SCALE: _____		SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____							

RESURFACING SCHEDULE											
STA.	TO	STA.	WIDTH	LENGTH	POLY SURF CRSE	LEVEL BINDER	HMA SURFACE	BITUMINOUS MATERIAL	AGGREGATE	HMA SHOULDERS	AGGREGATE
					MIX D, N70	(MM) MIX C, N70	REMOVAL 1 1/2"	(PRIME COAT)	(PRIME COAT)	TON	TON
LOC. # 1 IL 203 TO IL 111											
317+70	TO	329+00	24	1130	253.1	126.6	3013.3	0.9	4.5		
329+00	TO	346+45	46	1745	749.2	374.6	8918.9	2.8	13.4		
346+45	TO	346+54	RXR OMISSION								
346+54	TO	347+50	28	96	25.1	12.5	298.7	0.1	0.4		
347+50	TO	347+60	RXR OMISSION								
347+60	TO	349+08	28	148	39.0	19.3	460.4	0.1	0.7		
349+08	TO	349+18	RXR OMISSION								
349+18	TO	398+00	24	4882	1094.0	546.8	13018.7	4.1	20.0		
398+00	TO	402+60	37	460	158.9	79.4	1891.1	0.6	2.8		
P.C.C.											
402+60	TO	406+73	165.5	413	637.9	425.3		2.4	11.4		
406+73	TO	415+00	32	827	247.0	123.5	2940.4	0.9	4.4		
415+00	TO	477+44	26	6244	1515.2	758.0	18038.2	5.6	27.1		
320+50	TO	329+20	2	870							12.2
346+15	TO	477+44	2	13129							367.6
398+00	TO	412+07	8	1407						176.0	
392+96	TO	412+07	8	1911						238.0	
LOC. #2 IL 162 @ I-255											
6+80	TO	16+67	35.5	987	327.0	163.5	3893.2	1.2	5.8	307	28.0
WESTBOUND											
16+67	TO	45+50	20	2883	538.2	269.1	6406.7	2.1	9.6	897	81.0
EASTBOUND (P.C.C.)											
16+67	TO	45+50	20	2883	538.2	358.8		2.1	9.6		
45+50	TO	51+10	30	560	156.8	78.4	1866.7	0.6	2.8	174	16.0
TOTAL:					6280	3336	60747	24	113	1792	505

SIDEROAD/BUTT JOINT SCHEDULE							
SIDEROAD	L/R	WIDTH (FOOT)	INCIDENTAL HMA	(40800020) BIT. MAT.	(40800030) AGG.	TEMPORARY	BUTT JOINTS
			SUFACING	PRIME COAT	PRIME COAT	RAMPS	(SQ YD)
LOC. #1 IL 203 TO IL 111							
STA. 317+70.00		38				21.1	130.0
EDNA ST.	L	60	6.5	0.02	0.10	33.3	
CHARLES ST.	L	60	6.5	0.02	0.10	33.3	
LOUISA ST.	L	60	6.5	0.02	0.10	33.3	
23RD ST.	L	208	20.3	0.18	0.35	115.6	150.0
MARYVILLE RD.	L	225	21.9	0.18	0.38	125.0	126.7
PERIGEN LN.	L	70	7.5	0.08	0.12	38.9	
EDUARDO	L	60	6.5	0.02	0.10	33.3	
EDUARDO	L	60	6.5	0.02	0.10	33.3	
MOCKINGBIRD LN.	L	86	9.0	0.03	0.14	47.8	
JUSTIN	L	60	6.5	0.05	0.10	33.3	
EMARLD	R	140	14.0	0.05	0.23	77.8	
LAKE DR.	L	70	7.5	0.02	0.12	38.9	
LAKE DR.	R	70	7.5	0.02	0.12	38.9	
STA. 346+40		26				14.4	
STA. 346+60		26				14.4	
STA. 347+48		26				14.4	
STA. 347+65		26				14.4	
STA. 349+06		26				14.4	
STA. 349+22		26				14.4	
STA. 402+60		50				27.8	
STA. 406+73		38				21.1	
STA. 477+44		26				14.4	86.7
LOC. #2 IL 162 @ I-255							
STA. 6+80		25				13.9	266.7
WINDSOR	R	90	9.3	0.03	0.15	108.9	
RAMP 1	R	165	16.3	0.06	0.28	92.2	
RAMP 2	R	165	16.3	0.06	0.28	92.2	
RAMP 3	R	165	16.3	0.06	0.28	92.2	
RAMP 4	R	165	16.3	0.06	0.28	92.2	
LEUHMANN LN	R	70	7.5	0.02	0.12	31.1	
STA. 51+10		25				13.9	266.7
TOTAL:			209	1	3.4	1390	1027

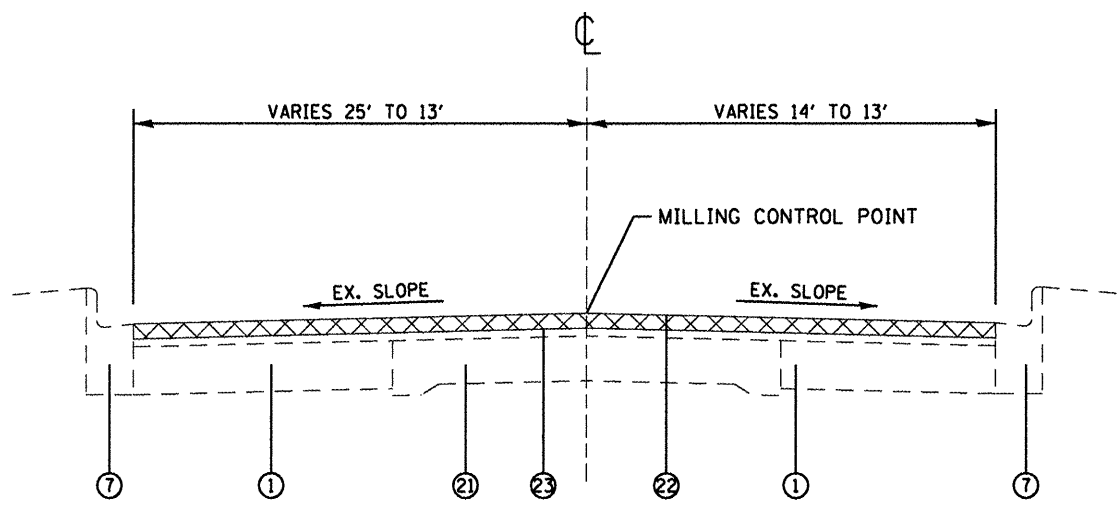
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*FILE#		DRAWN - ---	REVISED - ---			596	5785:4...157:1.51RS:3	WADISON	33	6	
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	PLOT DATE = *DATE*	DATE - ---	REVISED - ---			SCALE: -----	SHEET NO. OF --- SHEETS	STA. ----- TO STA. -----	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

PATCHING SCHEDULE										
LOCATION	LENGTH FOOT	WIDTH FOOT	EAST BOUND	WEST BOUND	FULL DEPTH				PARTIAL DEPTH SOYD	
					TYPE I	TYPE II	TYPE III	TYPE IV		
					SOYD	SOYD	SOYD	SOYD		
LOCATION #1										
STA. 317+70 TO STA. 439+42.53										
	4	12		X		5.3				
	4	12	X			5.3				
	4	12	X	X		*10.7				
	4	12	X	X		*10.7				
	4	12		X		5.3				
	8	12	X			10.7				
	4	12	X			5.3				
	4	12		X		5.3				
	4	12		X		5.3				
	4	12		X		5.3				
	4	12	X			5.3				
	4	12		X		5.3				
	4	12		X		5.3				
	4	12	X			5.3				
	4	12		X		5.3				
	4	12	X	X		*10.7				
	4	12	X	X		*10.7				
	15	12	X				20			
	20	12		X				26.7		
STA. 439+42.53 TO STA. 477+44										
	10	12		X		13.3				
	10	12	X			13.3				
	6	12	X			8				
	6	12		X		8				
	4	12		X		5.3				
	4	12		X		5.3				
	4	12	X			5.3				
	4	12		X		5.3				
	4	12		X		5.3				
	4	12	X			5.3				
	4	12		X		5.3				
	4	12	X			5.3				
	4	12		X		5.3				
	4	12	X			5.3				
	10	12	X	X		*26.6				
	10	12	X	X		*26.6				
	6	12		X		8				
	6	12	X			8				
	12	12	X				16			
	12	12		X			16			
	4	12		X		5.3				
	4	12	X			5.3				
LAKE DR. (NORTH SIDE)										
	15	15						25		
	5	12		X		6.7				
	4	12		X		5.3				
	4	12	X			5.3				
	4	12		X		5.3				
	4	12	X			5.3				
	4	12		X		5.3				
	4	12	X			5.3				
	8	12		X		10.6				
	8	12	X			10.6				
	5	12	X			6.7				
	5	12		X		6.7				
	5	12	X			6.7				
	5	12		X		6.7				
ANTICIPATED FAILURES 10%:					0	41.2	5.2	5.1		
TOTAL:					0	453	57.2	56.8	0	

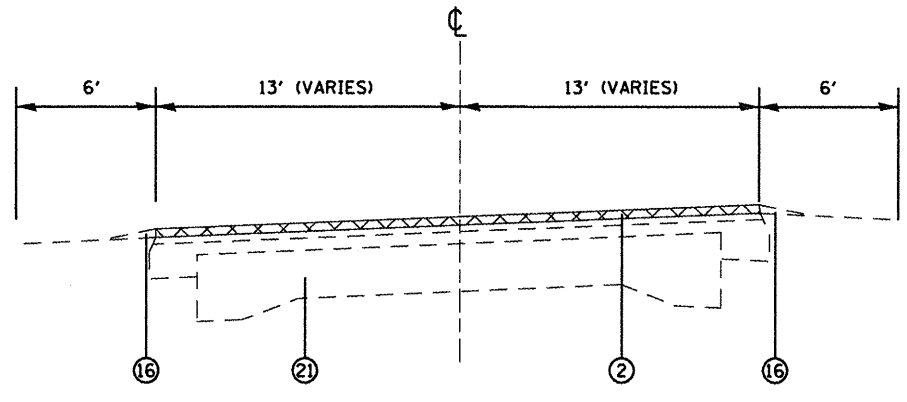
PATCHING SCHEDULE										
LOCATION	LENGTH FOOT	WIDTH FOOT	EAST BOUND	WEST BOUND	FULL DEPTH				PARTIAL DEPTH TON	PARTIAL DEPTH REMOVAL "2" SOYD
					TYPE I	TYPE II	TYPE III	TYPE IV		
					SOYD	SOYD	SOYD	SOYD		
LOCATION #2										
STA. 6+80 TO STA. 51+10										
	4	12	X			5.3				
	20	12	X					26.7		
	6	12	X			8				
	6	12	X			8				
	4	12	X			5.3				
	4	12	X			5.3				
	4	12	X			5.3				
	4	6	X			2.7				
	6	12	X			8				
	4	12	X			5.3				
	6	12	X			8				
	8	12	X			10.6				
	6	12	X			8				
	6	12	X			8				
	10	12	X			13.3				
	6	12	X			8				
	6	12	X			8				
CORRUGATED MEDIAN										
**EB P.C.C. JOINTS (31 TOTAL)										
	2	12	X						10.3	83.7
ANTICIPATED FAILURES 10%:					0.3	11.97	0	2.67		8.37
SUBTOTAL FROM LOCATION #2:					3	131.67	0	29.37		92.07
TOTAL FROM LOCATION #1:					0	453	57.2	56.8		0
TOTAL:					3.0	585.7	57.2	86.2	10.3	92.1

\*QUANTITY IS 2X (EB & WB LANE PATCHING)  
 \*\*EASTBOUND PARTIAL DEPTH PATCHING AT EACH P.C.C. JOINT FROM STA. 16+66.82 TO STA. 45+50= 31 TOTAL  
 PATCHES ARE TO BE 2' WIDE AND CENTERED OVER THE EACH JOINT.

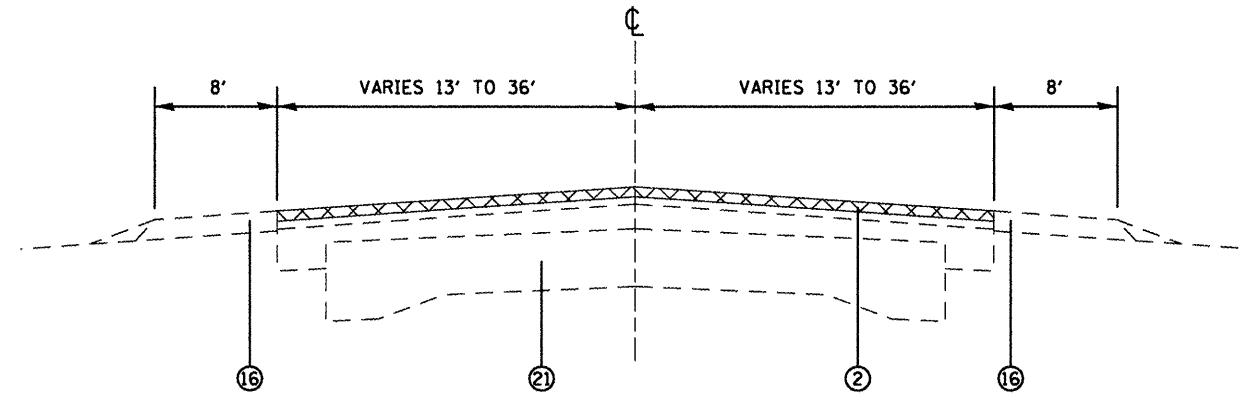
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#FILE#		DRAWN - ---	REVISED - ---			586	5785-4-157-1.51185-3	MADISON	33	7
		CHECKED - ---	REVISED - ---			CONTRACT NO. 16E49				
		DATE - ---	REVISED - ---	SCALE: _____ SHEET NO. ___ OF ___ SHEETS   STA. _____ TO STA. _____		FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				



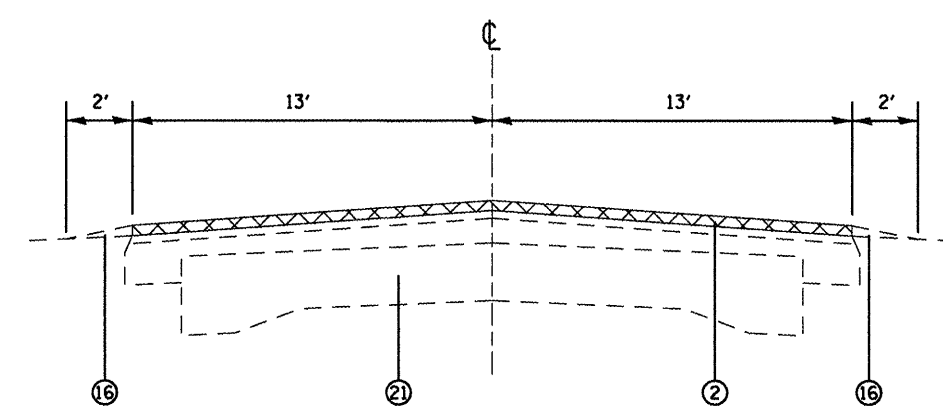
**EXISTING TANGENT SECTION**  
STA. 317+72 TO STA. 319+72



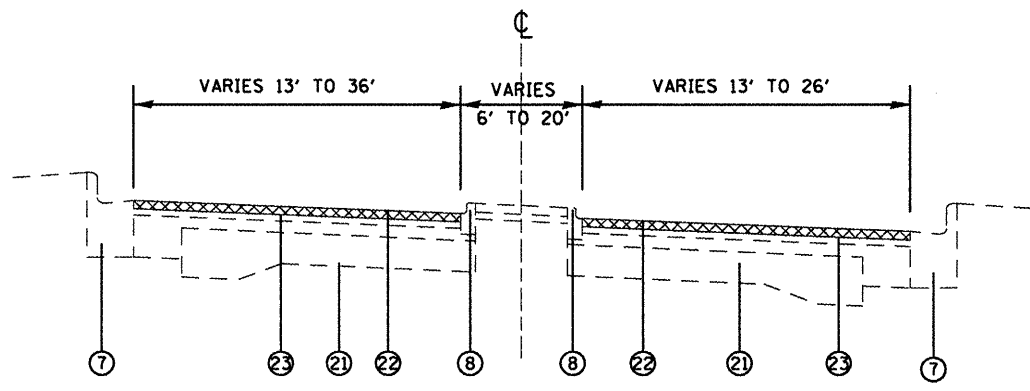
**EXISTING SUPERELEVATION TYPICAL SECTION**  
STA. 412+00.00 TO STA. 429+62.33  
STA. 452+22.30 TO STA. 456+89.13



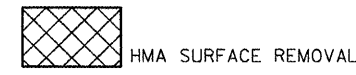
**EXISTING TYPICAL SECTION**  
STA. 402+60 TO STA. 406+73



**EXISTING TYPICAL SECTION**  
STA. 319+72.21 TO STA. 329+00.00  
STA. 346+00.00 TO STA. 402+60.00  
STA. 406+73.00 TO STA. 412+00.00  
STA. 429+66.22 TO STA. 452+22.30  
STA. 456+89.13 TO STA. 477+44.00



**EXISTING SUPERELEVATION TYPICAL SECTION**  
STA. 329+00 TO STA. 346+00



**LEGEND**

- ① EXISTING P.C.C. PAVEMENT 10"
- ② EXISTING BITUMINOUS SURFACE
- ③ EXISTING BIT. CONC. SURF. CRSE. MIX "D", CL I, 1 1/4"
- ④ EXISTING P.C.C. BASE CRSE. 9"
- ⑤ EXISTING STABILIZED SUB-BASE 4"
- ⑥ EXISTING BITUMINOUS CONC. BINDER CRSE. 3/4"
- ⑦ EXISTING COMBINATION C&G, TYP M6.24
- ⑧ EXISTING COMBINATION C&G, TYP M6.06
- ⑨ EXISTING COMBINATION C&G, TYP M6.06 (MODIFIED)
- ⑩ EXISTING CONCRETE MEDIAN SURFACE 4"
- ⑪ EXISTING CONCRETE MEDIAN, TYPE C 4 (MODIFIED)
- ⑫ EXISTING CONCRETE MEDIAN, TYPE SM 6.06 (SPECIAL)
- ⑬ EXISTING SAND BACKFILL
- ⑭ EXISTING PIPE UNDERDRAIN 4"
- ⑮ EXISTING BITUMINOUS SHOULDER 8"
- ⑯ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑰ EXISTING AGGREGATE BASE COURSE, TYPE A, 12"
- ⑱ EXISTING BIT. CONC. BASE CRSE. SUPERPAVE, 1 1/2"
- ⑲ EXISTING LEVELING BINDER CRSE. SUPERPAVE, 3/4"
- ⑳ EXISTING BIT. CONC. SURFACE CRSE. SUPERPAVE, 1 1/2"
- ㉑ EXISTING P.C.C. BASE COURSE, 9"-7"-9"
- ㉒ EXISTING POLYMERIZED HMA SURFACE COURSE, MIX "D", N90, 1 1/2"
- ㉓ EXISTING LEVELING BINDER (MACHINE METHOD), N90, 3/4"

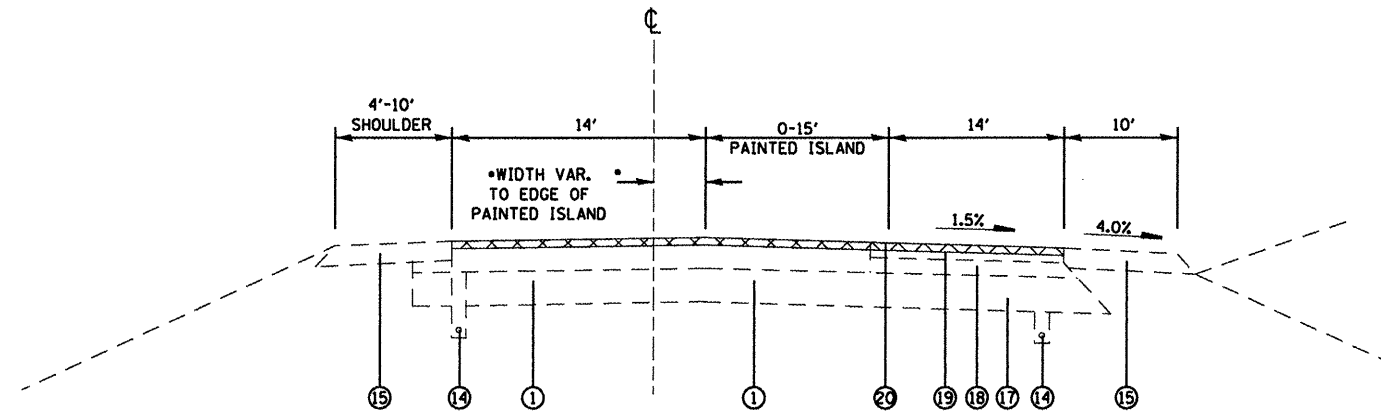
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

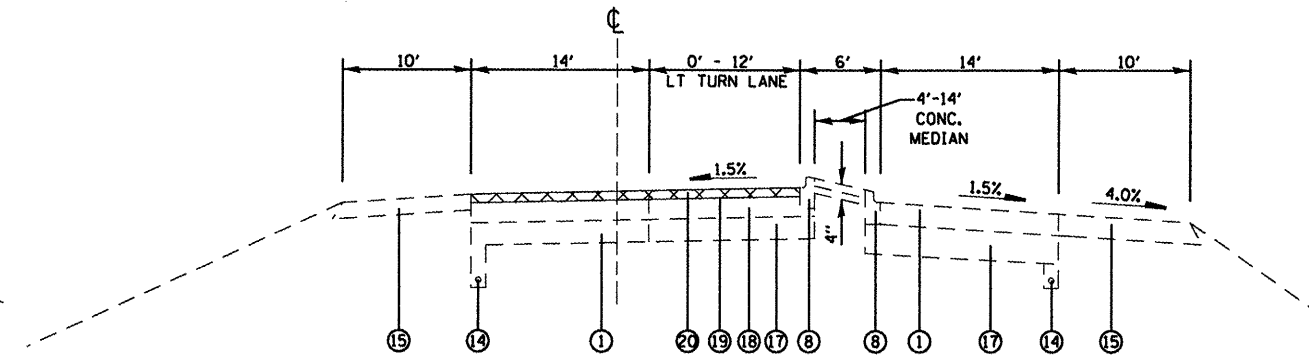
<b>EXISTING TYPICAL SECTION LOCATION #1</b>	
<b>IL 162 FROM IL 203 TO IL 111</b>	
SCALE: _____	SHEET NO. ___ OF ___ SHEETS
STA. _____ TO STA. _____	

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
596	5785-4157-1.51185-3	MADISON	33	8
CONTRACT NO. 76E49				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

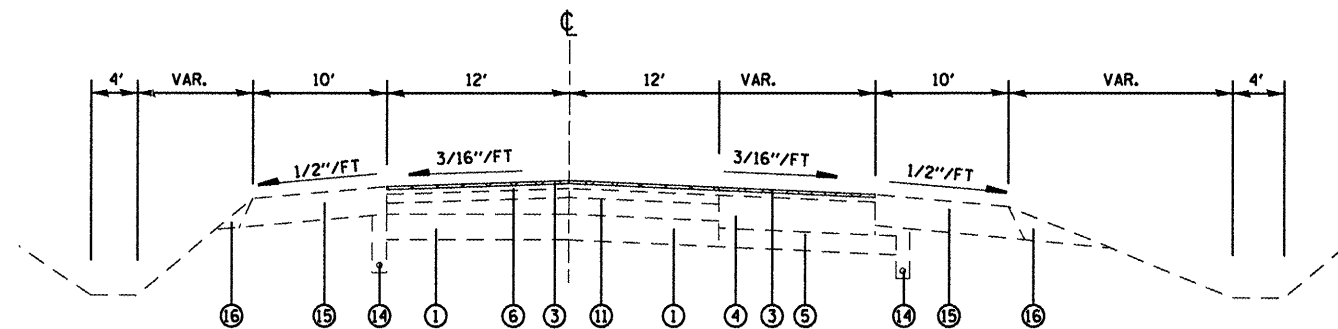




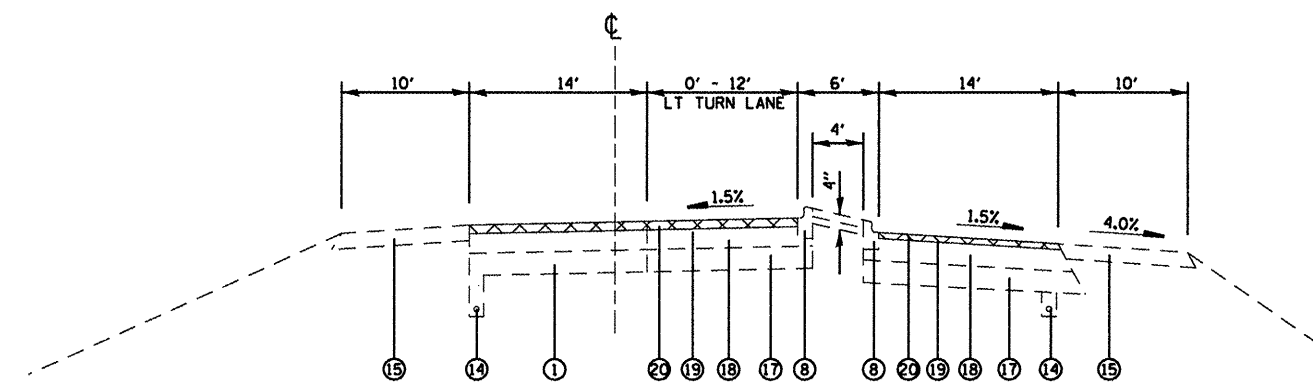
EXISTING TYPICAL SECTION  
STA. 6+80.00 TO STA. 13+57.57



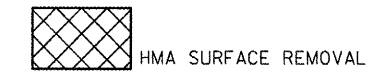
EXISTING TYPICAL SECTION  
STA. 16+66.82 TO STA. 20+09.25



EXISTING TYPICAL SECTION  
STA. 13+57.57 TO STA. 14+52.43



EXISTING TYPICAL SECTION  
STA. 14+52.00 TO STA. 16+66.82



**LEGEND**

- ① EXISTING P.C.C. PAVEMENT 10"
- ② EXISTING BITUMINOUS SURFACE
- ③ EXISTING BIT. CONC. SURF. CRSE. MIX "D", CL I, 1 1/4"
- ④ EXISTING P.C.C. BASE CRSE. 9"
- ⑤ EXISTING STABILIZED SUB-BASE 4"
- ⑥ EXISTING BITUMINOUS CONC. BINDER CRSE. 3/4"
- ⑦ EXISTING COMBINATION C&G, TYP M6.24
- ⑧ EXISTING COMBINATION C&G, TYP M6.06
- ⑨ EXISTING COMBINATION C&G, TYP M6.06 (MODIFIED)
- ⑩ EXISTING CONCRETE MEDIAN SURFACE 4"
- ⑪ EXISTING CONCRETE MEDIAN, TYPE C 4 (MODIFIED)
- ⑫ EXISTING CONCRETE MEDIAN, TYPE SM 6.06 (SPECIAL)
- ⑬ EXISTING SAND BACKFILL
- ⑭ EXISTING PIPE UNDERDRAIN 4"
- ⑮ EXISTING BITUMINOUS SHOULDER 8"
- ⑯ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑰ EXISTING AGGREGATE BASE COURSE, TYPE A, 12"
- ⑱ EXISTING BIT. CONC. BASE CRSE. SUPERPAVE, 1 1/2"
- ⑲ EXISTING LEVELING BINDER CRSE. SUPERPAVE, 3/4"
- ⑳ EXISTING BIT. CONC. SURFACE CRSE. SUPERPAVE, 1 1/2"
- ㉑ EXISTING P.C.C. BASE COURSE, 9"-7"-9"
- ㉒ EXISTING POLYMERIZED HMA SURFACE COURSE, MIX "D", N90, 1 1/2"
- ㉓ EXISTING LEVELING BINDER (MACHINE METHOD), N90, 3/4"

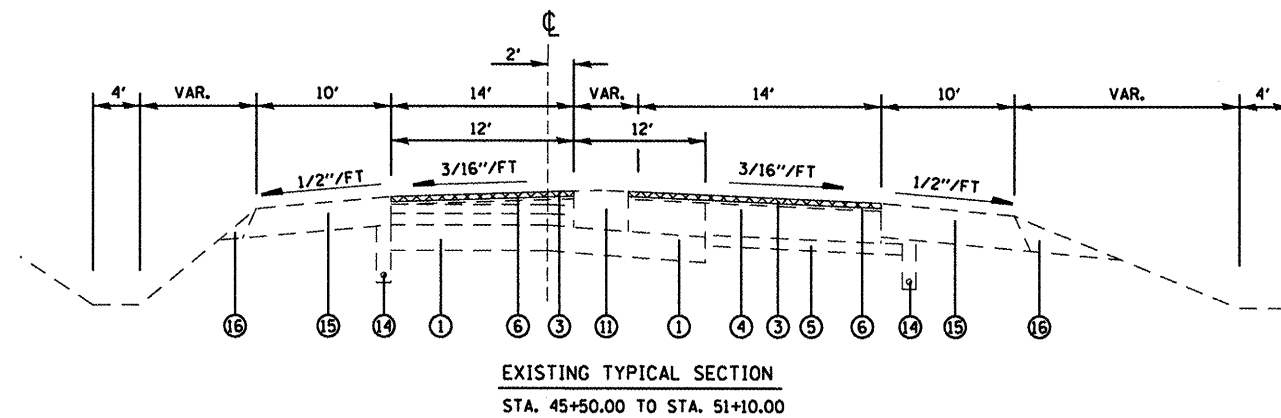
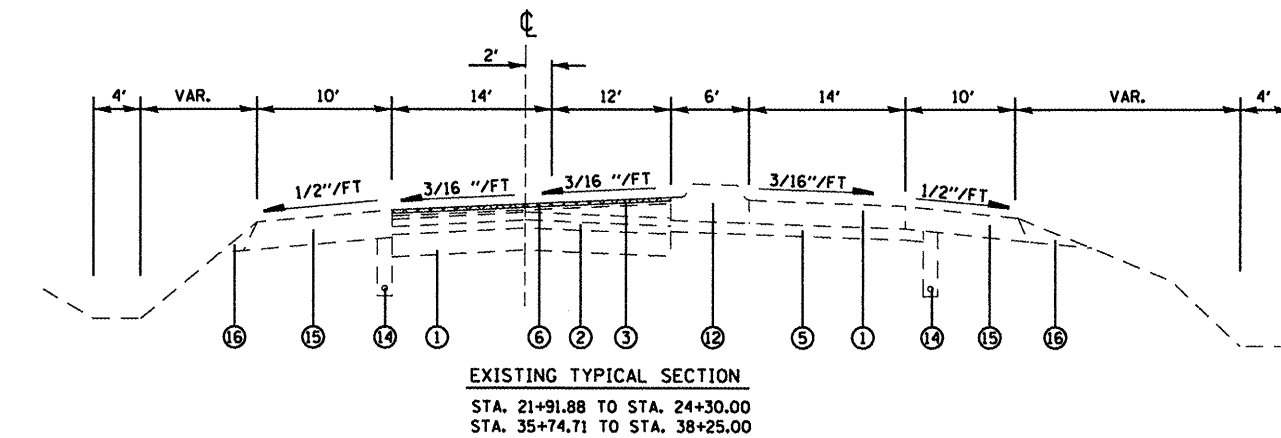
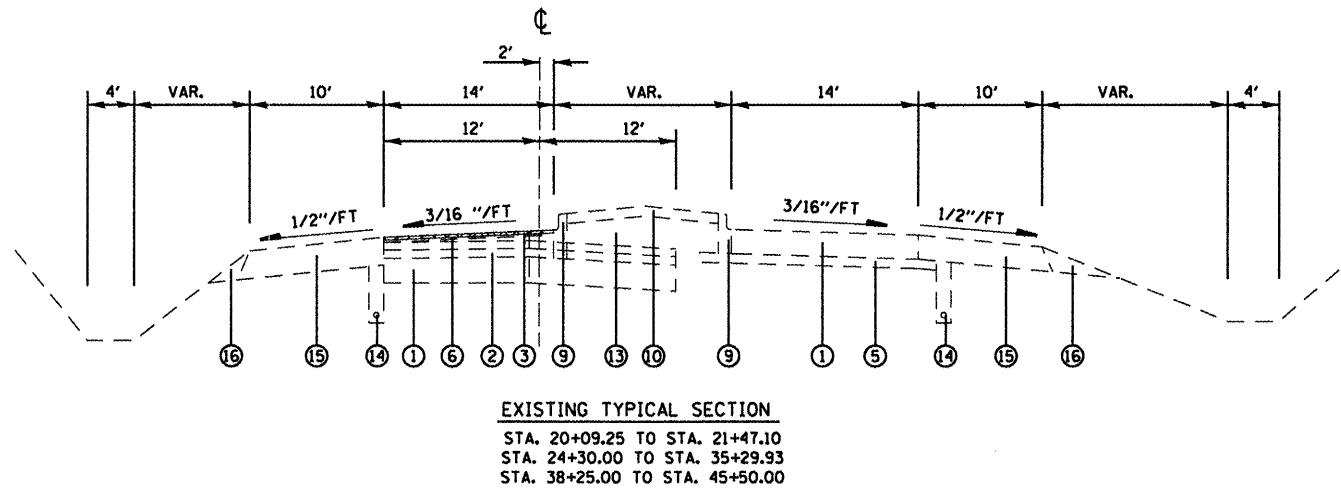
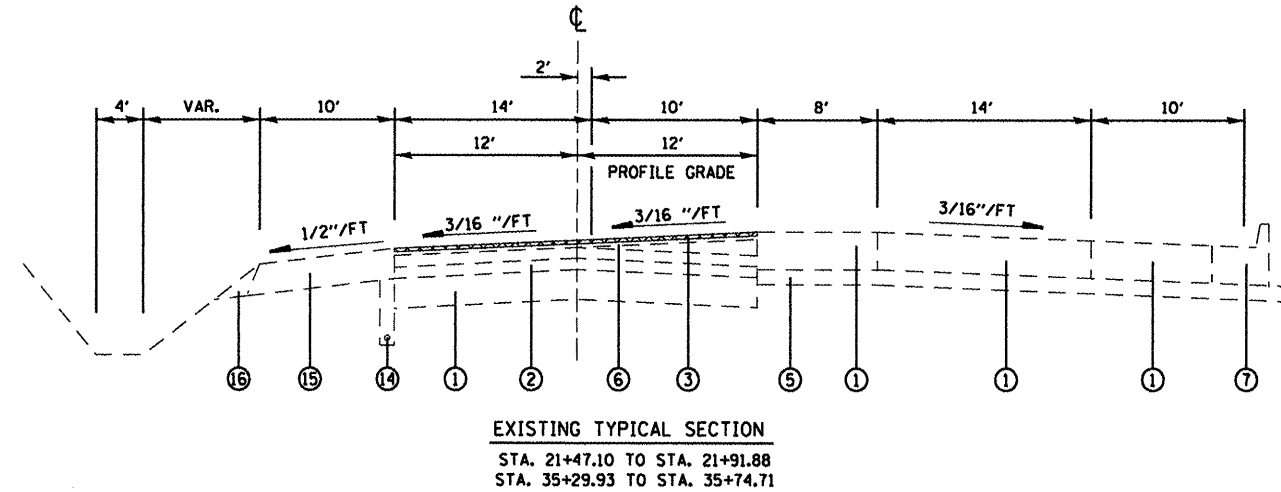
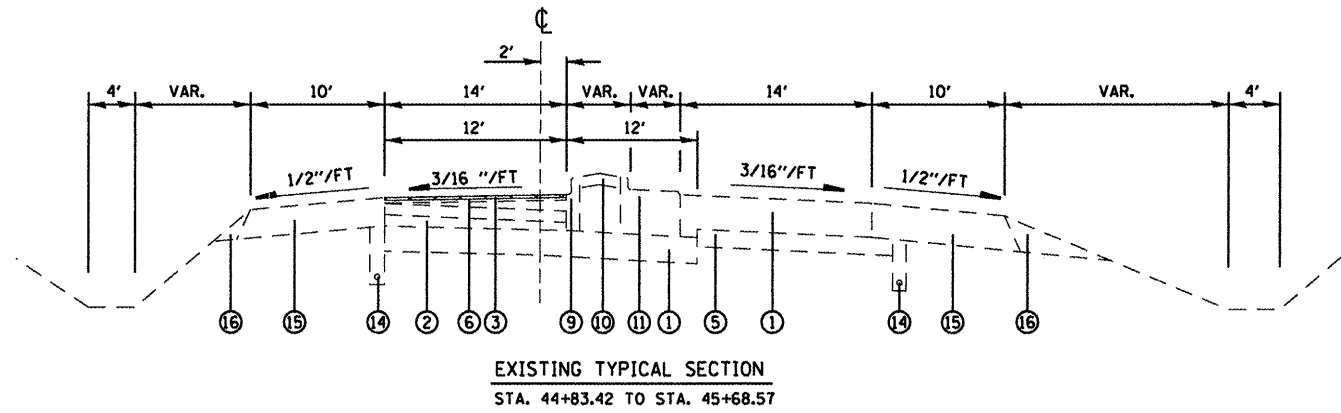
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTION LOCATION #2  
IL 162 @ 1255

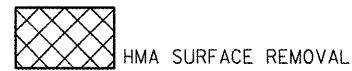
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	5785:4..157:1.5185:3	MADISON	33	9
SCALE: _____			SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____	
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				

CONTRACT NO. 78E48



**LEGEND**

- ① EXISTING P.C.C. PAVEMENT 10"
- ② EXISTING BITUMINOUS SURFACE
- ③ EXISTING BIT. CONC. SURF. CRSE. MIX "D", CL 1, 1 1/4"
- ④ EXISTING P.C.C. BASE CRSE. 9"
- ⑤ EXISTING STABILIZED SUB-BASE 4"
- ⑥ EXISTING BITUMINOUS CONC. BINDER CRSE. 3/4"
- ⑦ EXISTING COMBINATION C&G, TYP M6.24
- ⑧ EXISTING COMBINATION C&G, TYP M6.06
- ⑨ EXISTING COMBINATION C&G, TYP M6.06 (MODIFIED)
- ⑩ EXISTING CONCRETE MEDIAN SURFACE 4"
- ⑪ EXISTING CONCRETE MEDIAN, TYPE C 4 (MODIFIED)
- ⑫ EXISTING CONCRETE MEDIAN, TYPE SM 6.06 (SPECIAL)
- ⑬ EXISTING SAND BACKFILL
- ⑭ EXISTING PIPE UNDERDRAIN 4"
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- ⑯ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑰ EXISTING AGGREGATE BASE COURSE, TYPE A, 12"
- ⑱ EXISTING BIT. CONC. BASE CRSE. SUPERPAVE, 1 1/2"
- ⑲ EXISTING LEVELING BINDER CRSE. SUPERPAVE, 3/4"
- ⑳ EXISTING BIT. CONC. SURFACE CRSE. SUPERPAVE, 1 1/2"
- ㉑ EXISTING P.C.C. BASE COURSE, 9"-7"-9"
- ㉒ EXISTING POLYMERIZED HMA SURFACE COURSE, MIX "D", N90, 1 1/2"
- ㉓ EXISTING LEVELING BINDER (MACHINE METHOD), N90, 3/4"



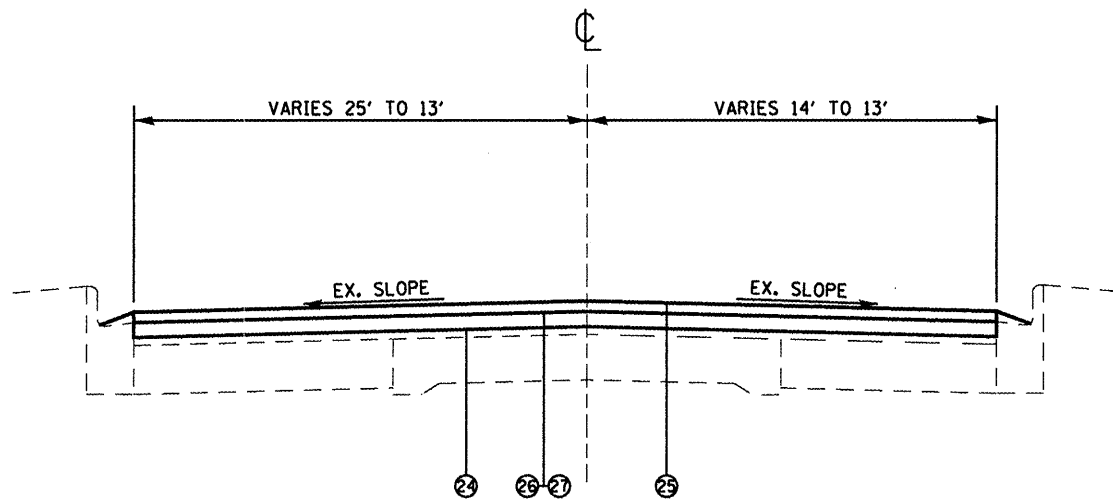
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

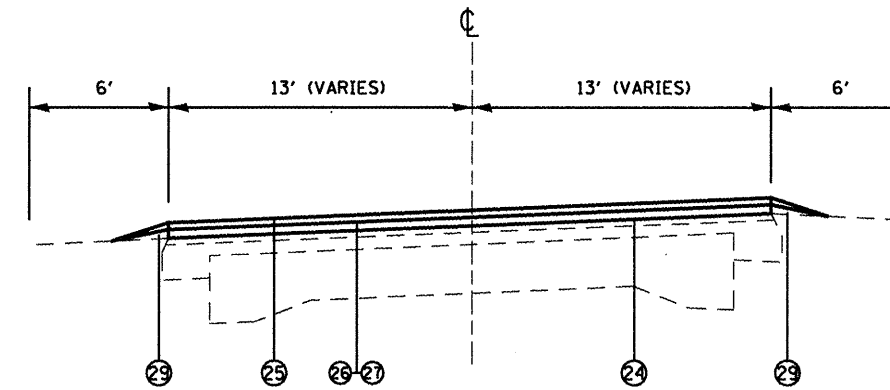
**EXISTING TYPICAL SECTION LOCATION #2  
IL 162 @ 1.255**

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

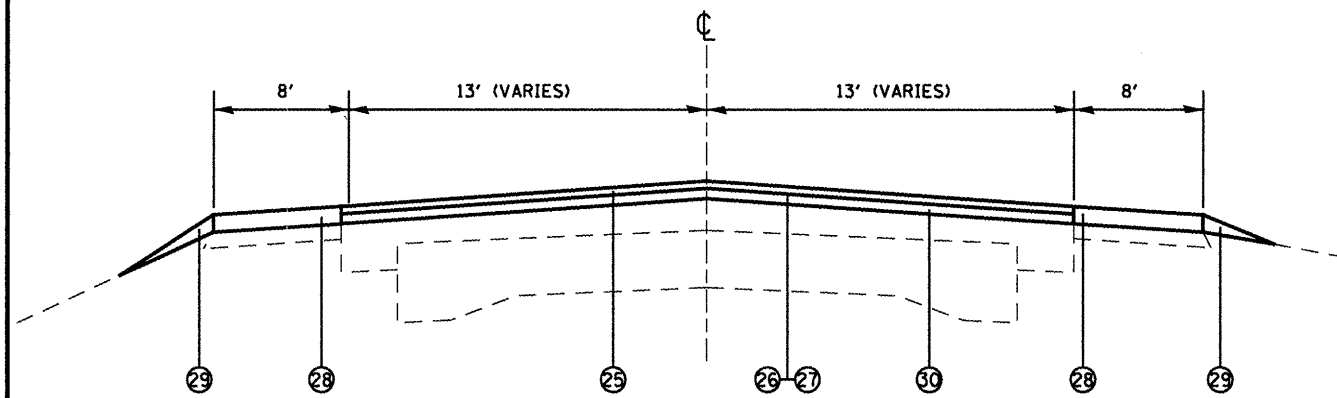
F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
596	5785-4..157-1:5185-3	MADISON	33	10
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E49	



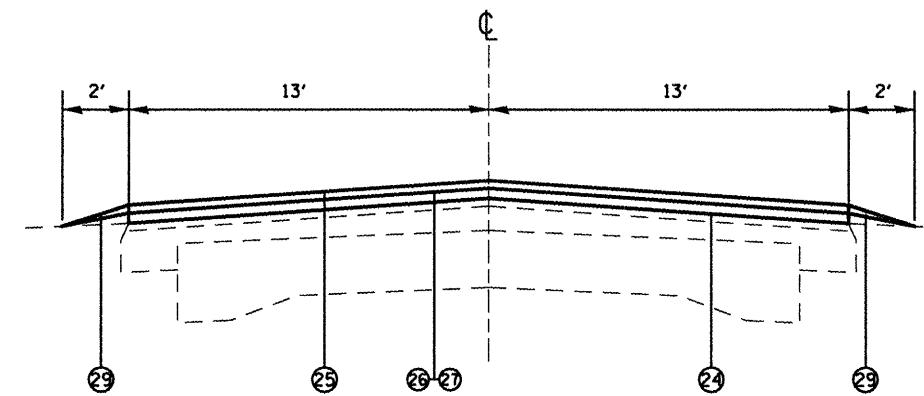
**PROPOSED TANGENT SECTION**  
STA. 317+72 TO STA. 319+72



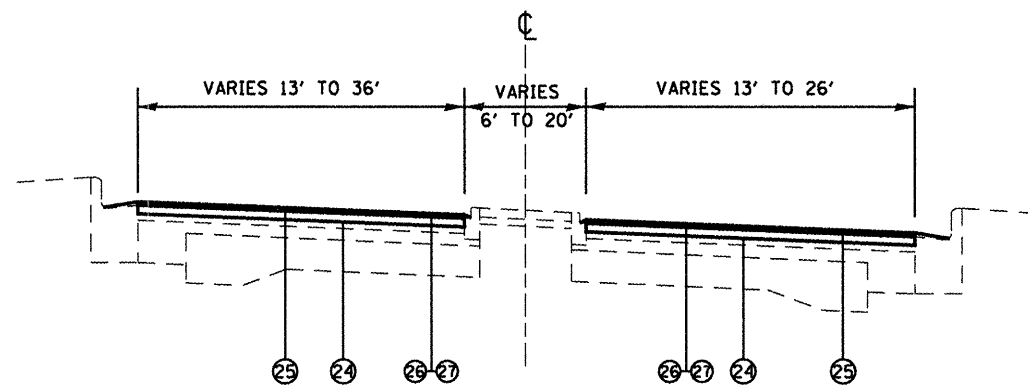
**PROPOSED SUPERELEVATION TYPICAL SECTION**  
STA. 412+00.00 TO STA. 429+62.33  
STA. 452+22.30 TO STA. 456+89.13



**PROPOSED TYPICAL SECTION**  
STA. 402+60 TO STA. 406+73



**PROPOSED TYPICAL SECTION**  
STA. 319+72.21 TO STA. 329+00.00  
STA. 346+00.00 TO STA. 402+60.00  
STA. 406+73.00 TO STA. 412+00.00  
STA. 429+66.22 TO STA. 452+22.30  
STA. 456+89.13 TO STA. 477+44.00



**PROPOSED SUPERELEVATION TYPICAL SECTION**  
STA. 329+00 TO STA. 346+00

**LEGEND**

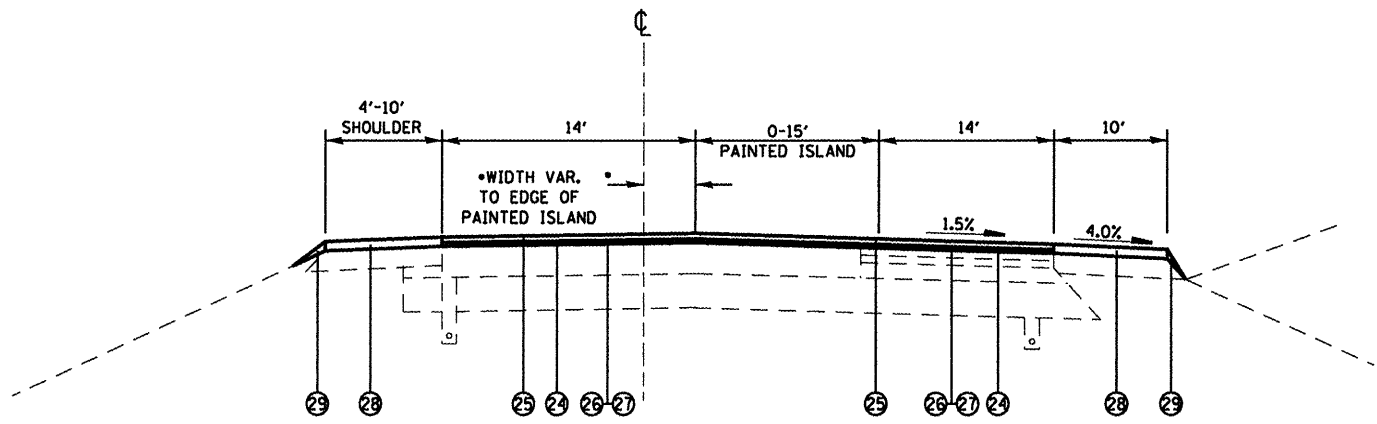
- 24 PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- 25 PROPOSED POLY HMA SRFCE CRSE, MIX "D", N70, 1 1/2"
- 26 PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- 27 PROPOSED AGGREGATE (PRIME COAT)
- 28 PROPOSED HMA SHOULDER
- 29 PROPOSED AGGREGATE WEDGE SHOULDER
- 30 PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1"

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
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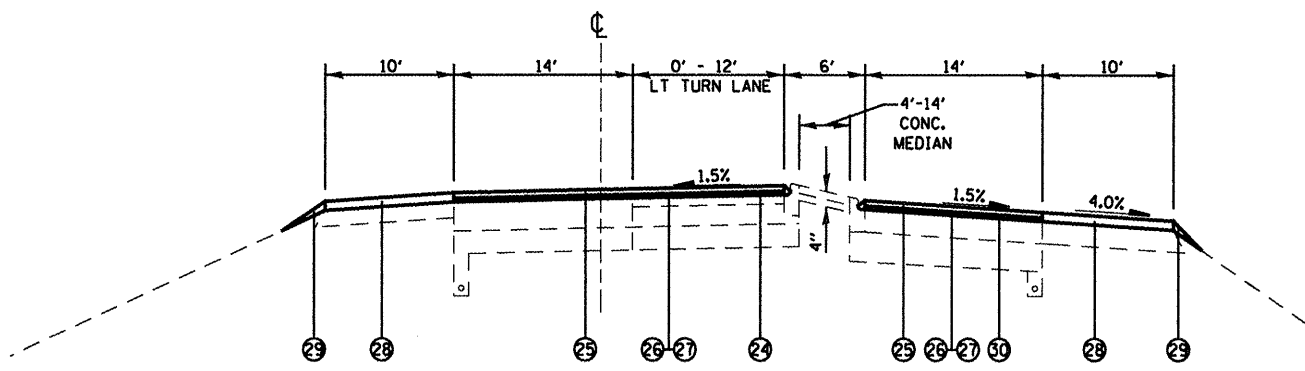
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROPOSED TYPICAL SECTION LOCATION #1</b>	
<b>IL 162 FROM IL 203 TO IL 111</b>	
SCALE: _____	SHEET NO. ___ OF ___ SHEETS
STA. _____	TO STA. _____

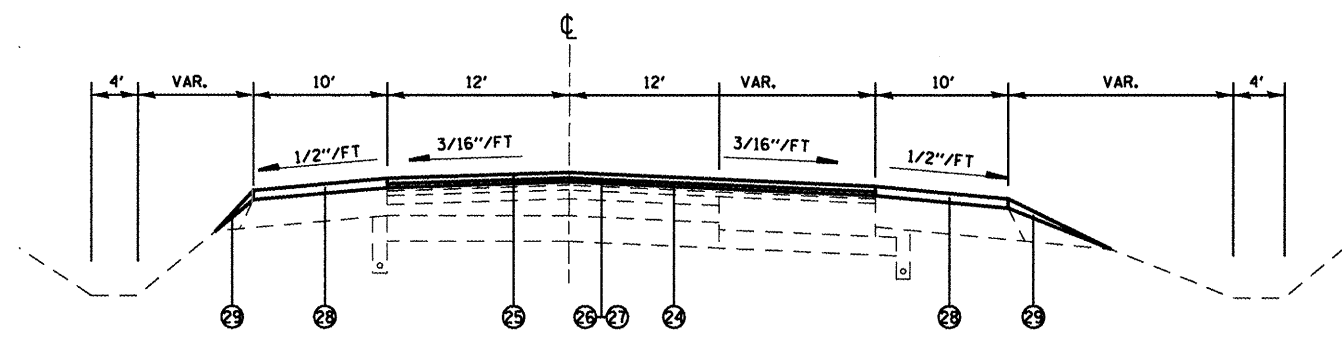
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	5785-415Z-1.51185-3	MADISON	33	11
CONTRACT NO. 76E49				
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				



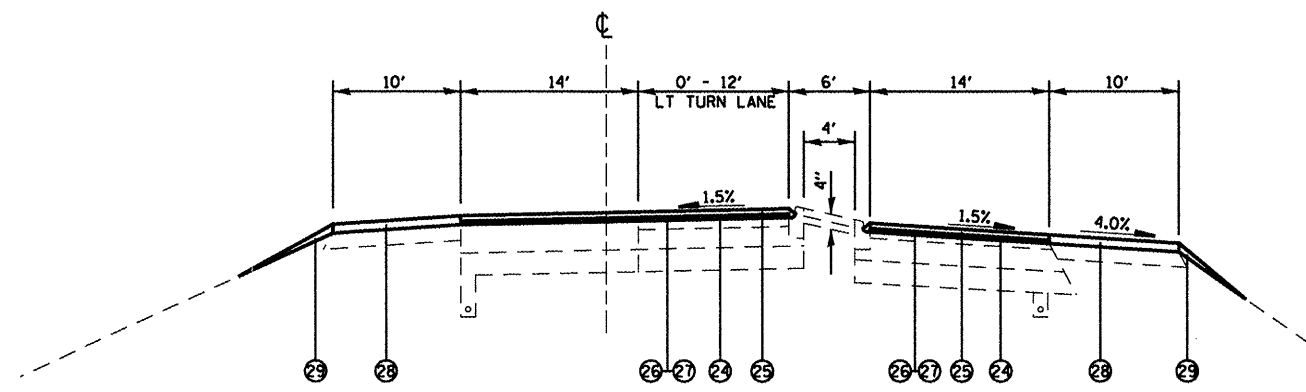
PROPOSED TYPICAL SECTION  
STA. 6+80.00 TO STA. 13+57.57



PROPOSED TYPICAL SECTION  
STA. 16+66.82 TO STA. 20+09.25



PROPOSED TYPICAL SECTION  
STA. 13+57.57 TO STA. 14+52.43

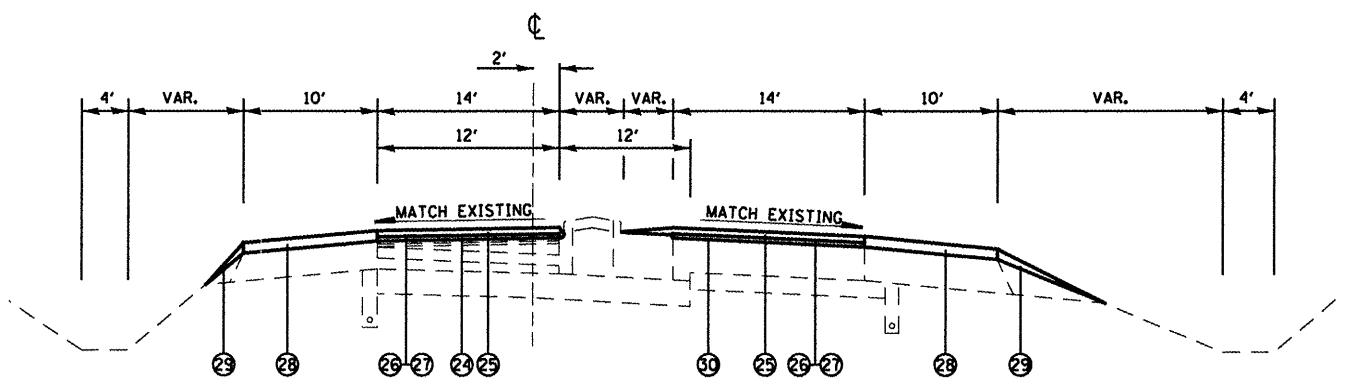


PROPOSED TYPICAL SECTION  
STA. 14+52.00 TO STA. 16+66.82

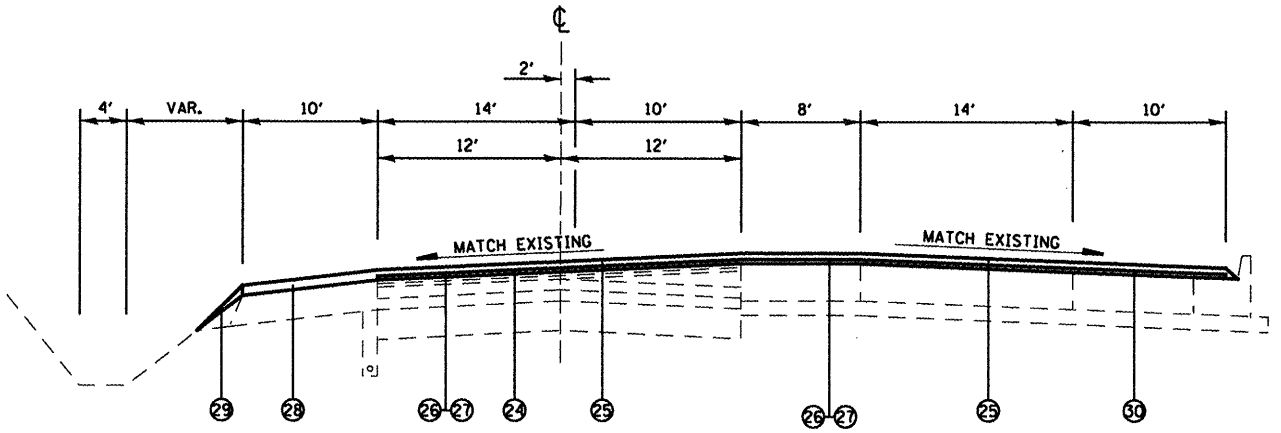
**LEGEND**

- 24 PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- 25 PROPOSED POLY HMA SRFCR CRSE, MIX "D", N70, 1 1/2"
- 26 PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- 27 PROPOSED AGGREGATE (PRIME COAT)
- 28 PROPOSED HMA SHOULDER
- 29 PROPOSED AGGREGATE WEDGE SHOULDER
- 30 PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1"

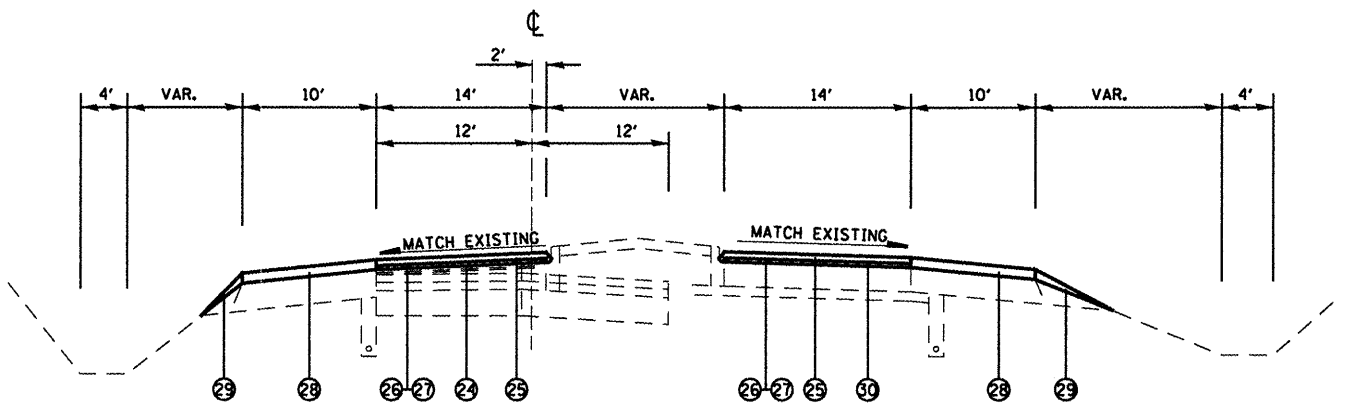
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		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
					SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____			



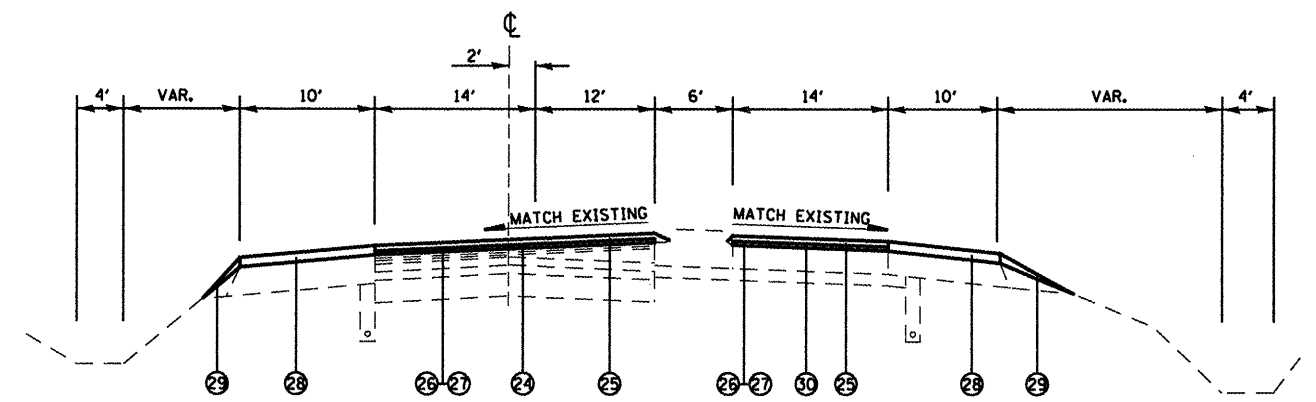
PROPOSED TYPICAL SECTION  
STA. 44+83.42 TO STA. 45+68.57



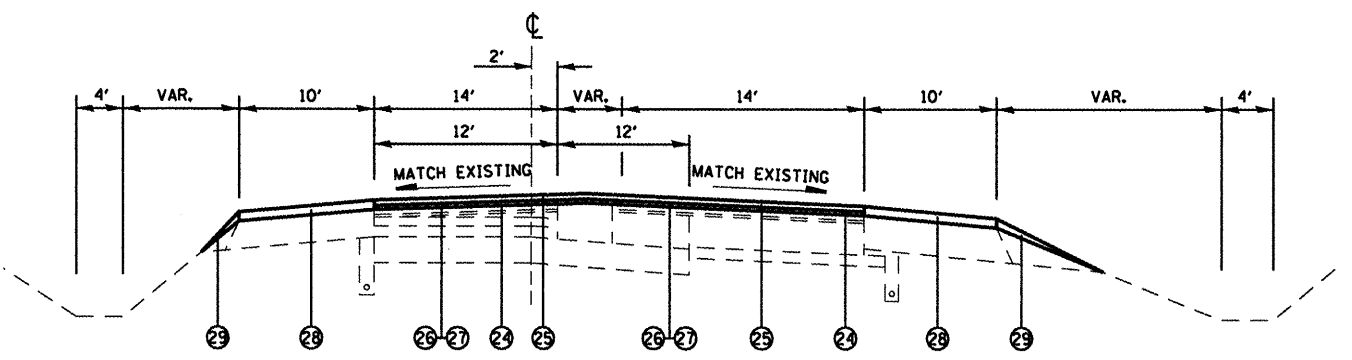
PROPOSED TYPICAL SECTION  
STA. 21+47.10 TO STA. 21+91.88  
STA. 35+29.93 TO STA. 35+74.71



PROPOSED TYPICAL SECTION  
STA. 20+09.25 TO STA. 21+47.10  
STA. 24+30.00 TO STA. 35+29.93  
STA. 38+25.00 TO STA. 45+50.00



PROPOSED TYPICAL SECTION  
STA. 21+91.88 TO STA. 24+30.00  
STA. 35+74.71 TO STA. 38+25.00



PROPOSED TYPICAL SECTION  
STA. 45+50.00 TO STA. 51+10.00

**LEGEND**

- 24 PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
- 25 PROPOSED POLY HMA SRFCRSE, MIX "D", N70, 1 1/2"
- 26 PROPOSED BITUMINOUS MATERIAL (PRIME COAT)
- 27 PROPOSED AGGREGATE (PRIME COAT)
- 28 PROPOSED HMA SHOULDER
- 29 PROPOSED AGGREGATE WEDGE SHOULDER
- 30 PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 1"

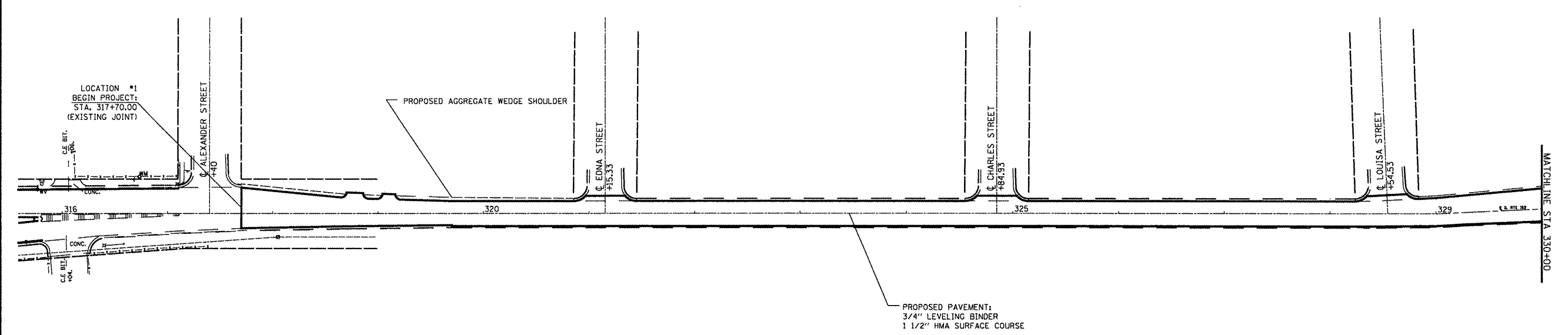
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

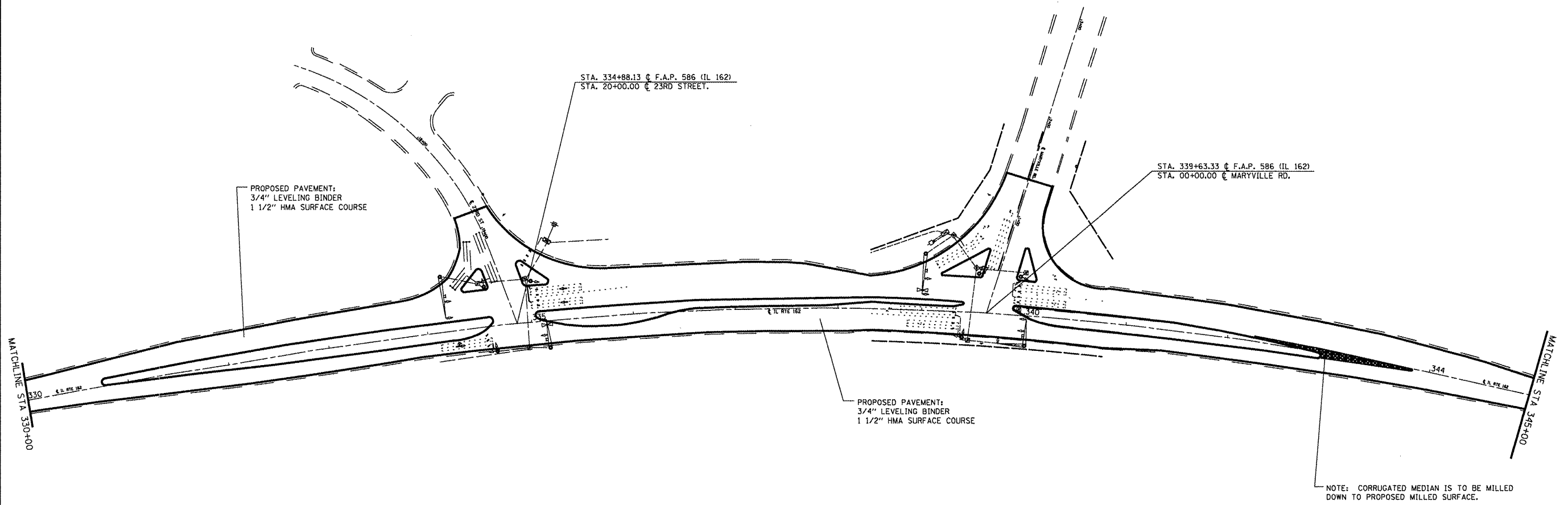
**PROPOSED TYPICAL SECTION LOCATION #2  
IL 162 @ I 255**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	5785-4..(57-1.51)RS-3	MADISON	33	13
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E49	



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEETS IL 162 FROM IL 203 TO IL 111</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DATE -	REVISED -			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					
					SCALE: _____	SHEET NO. _____ OF _____ SHEETS		STA. _____ TO STA. _____			



NOTE: CORRUGATED MEDIAN IS TO BE MILLED DOWN TO PROPOSED MILLED SURFACE.

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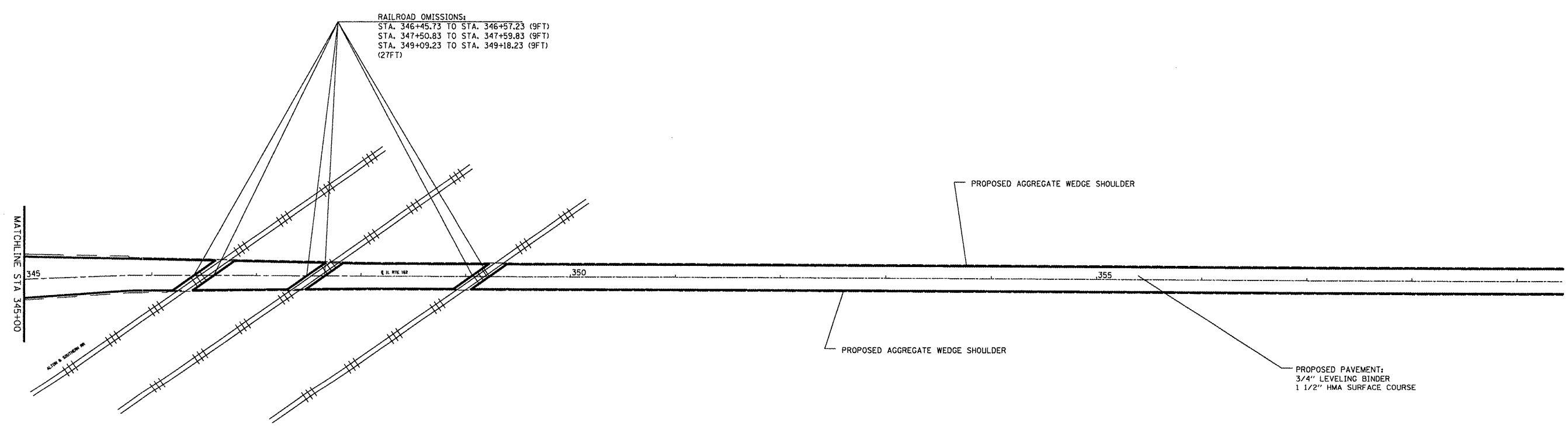
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CHECKED - ---  
DATE - ---

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**  
**IL 162 FROM IL 203 TO IL 111**  
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	5785-4..157-1.51/RS-3	MADISON	33	15
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				<b>CONTRACT NO. 76E49</b>



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -
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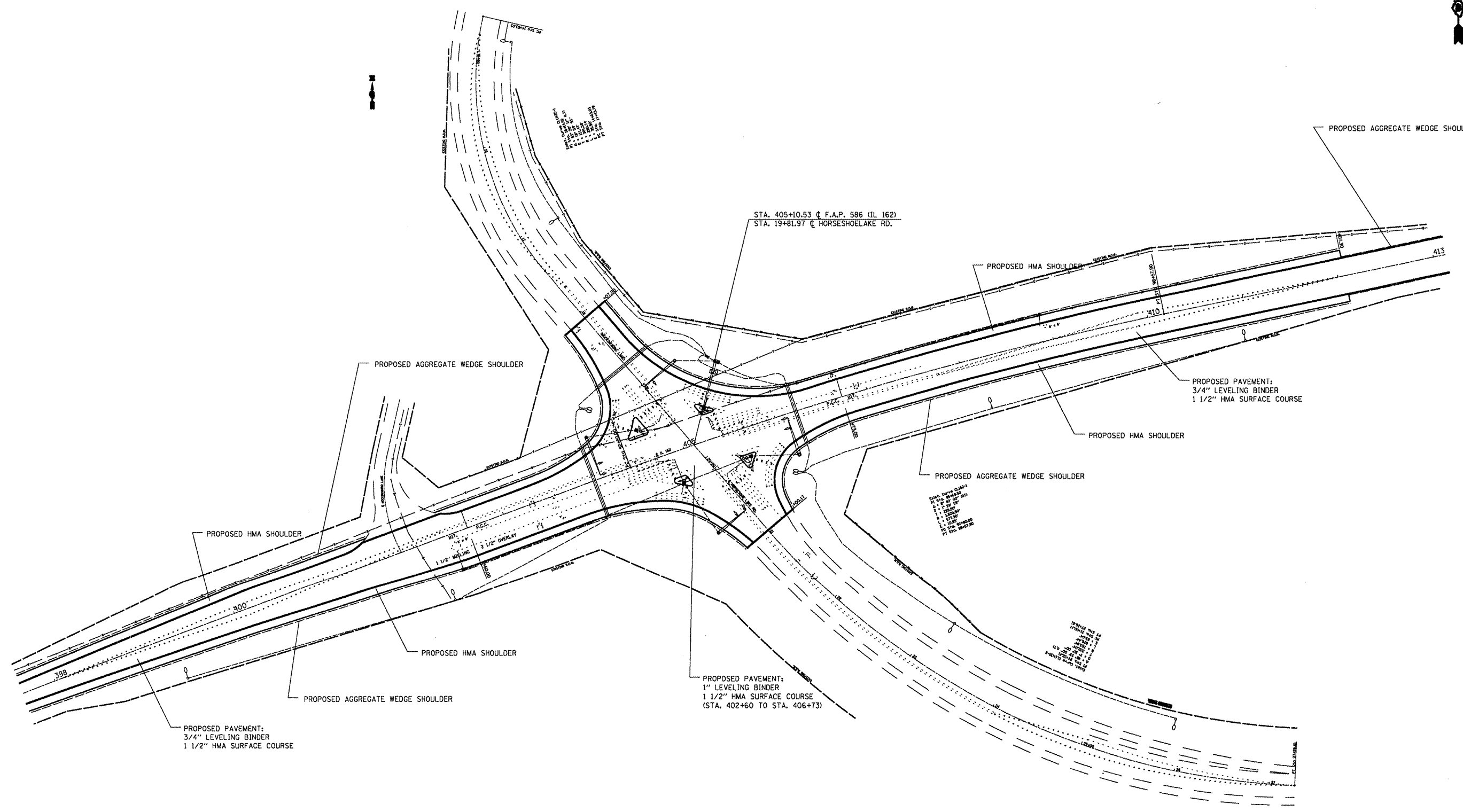
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS  
IL 162 FROM IL 203 TO IL 111**

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

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	5ZBS:4..15Z:1.5185:3	WADISOU	33	16
CONTRACT NO. 76E48				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				





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CHECKED - ---  
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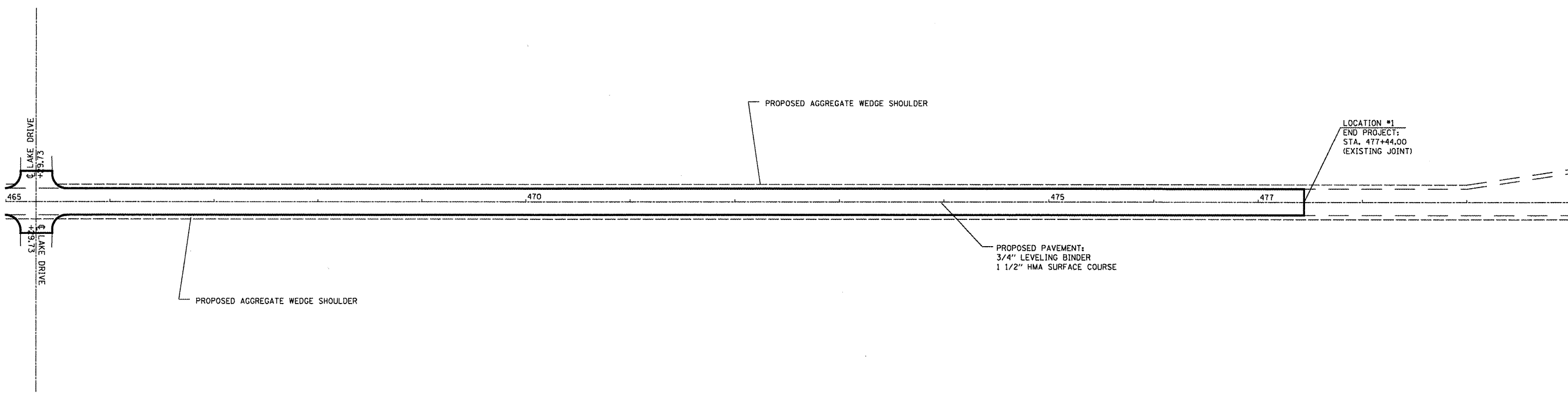
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REVISED - ---  
REVISED - ---  
REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS  
IL 162 @ HORSESHOE LAKE RD.**

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

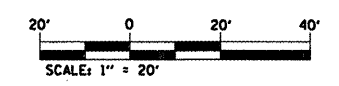
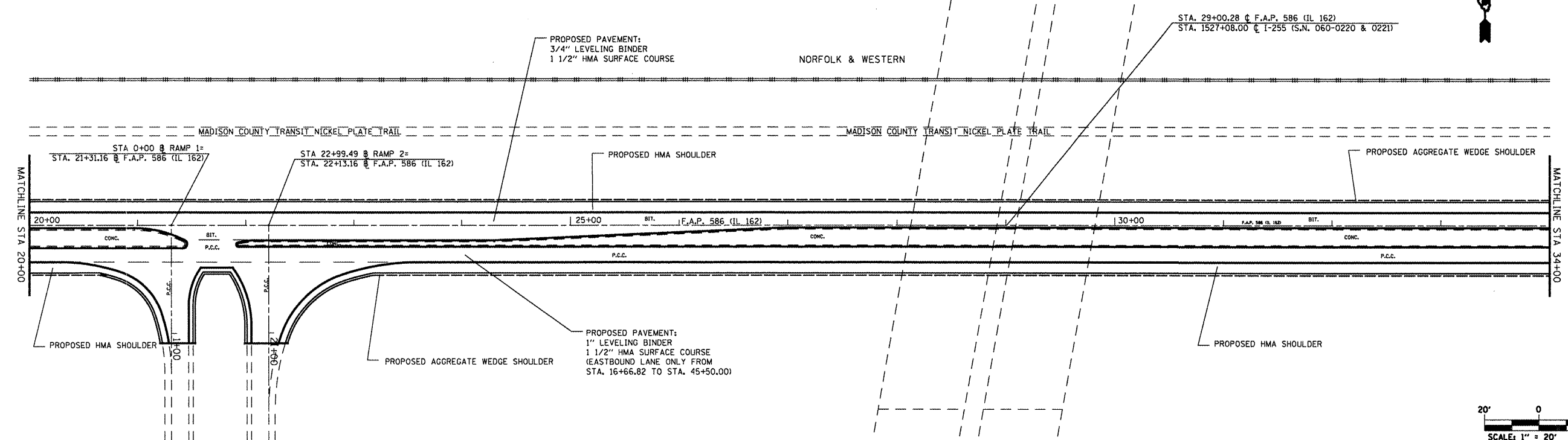
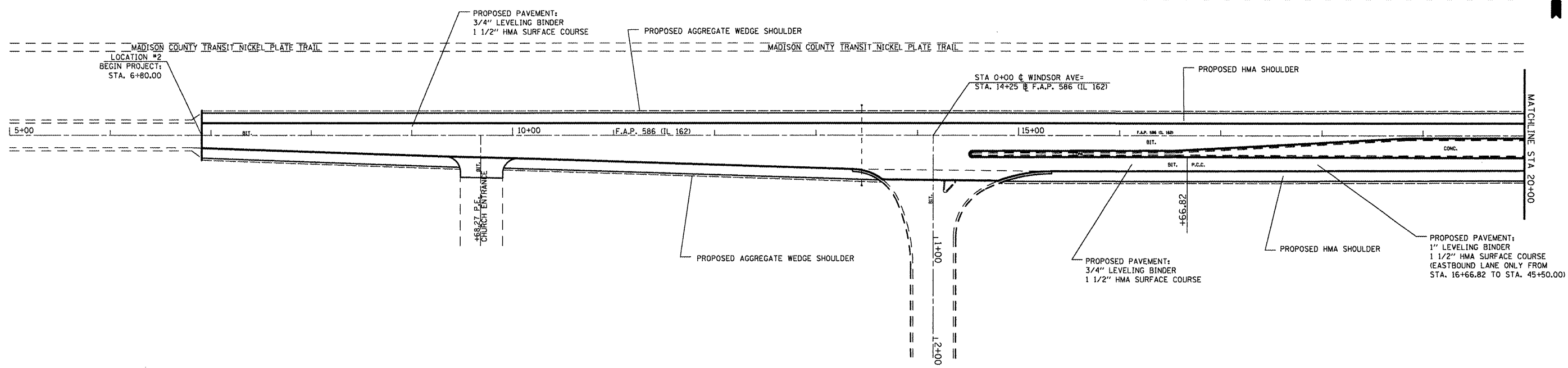
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	5785-4..(57-1.51)RS-3	MADISON	33	17
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E49	



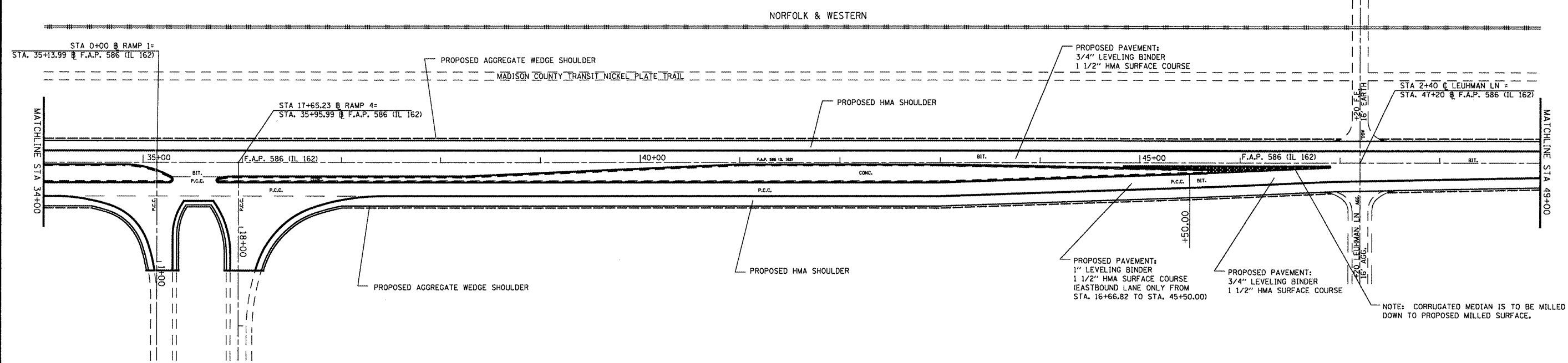
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	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---		SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	586	5785-4..157-1.51/85-3	MADISON	33	18
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---					<b>CONTRACT NO. 76E49</b>				
		DATE - -----	REVISED - ---		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT							



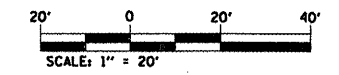
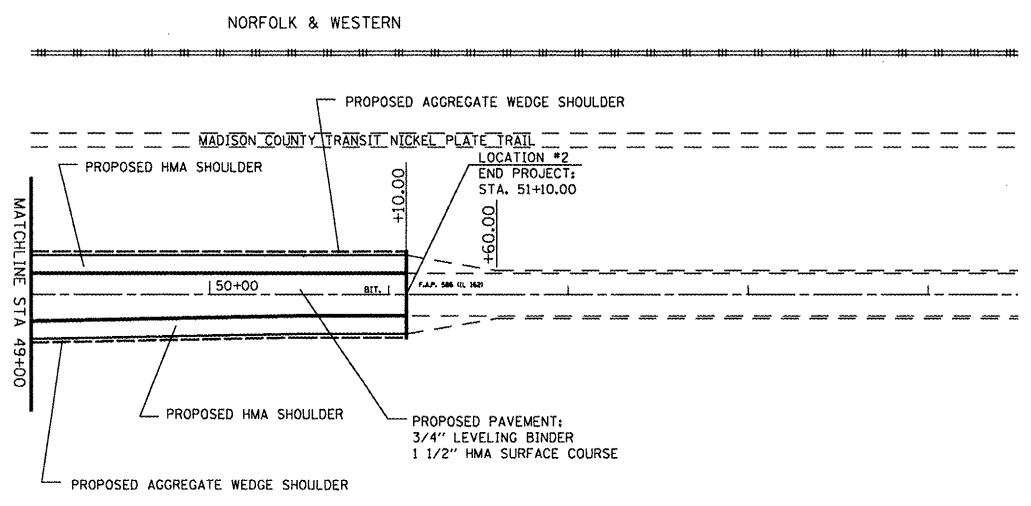
NORFOLK & WESTERN



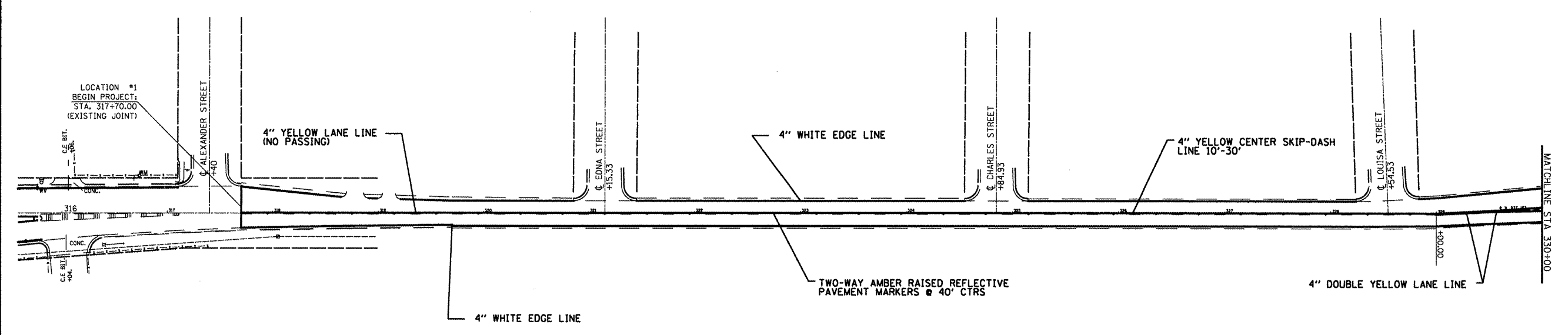
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*FILE#	PLOT SCALE = *SCALE*	DRAWN -	REVISED -			586	5785-4-(57-1.51)RS-3	MADISON	33	19	
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		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



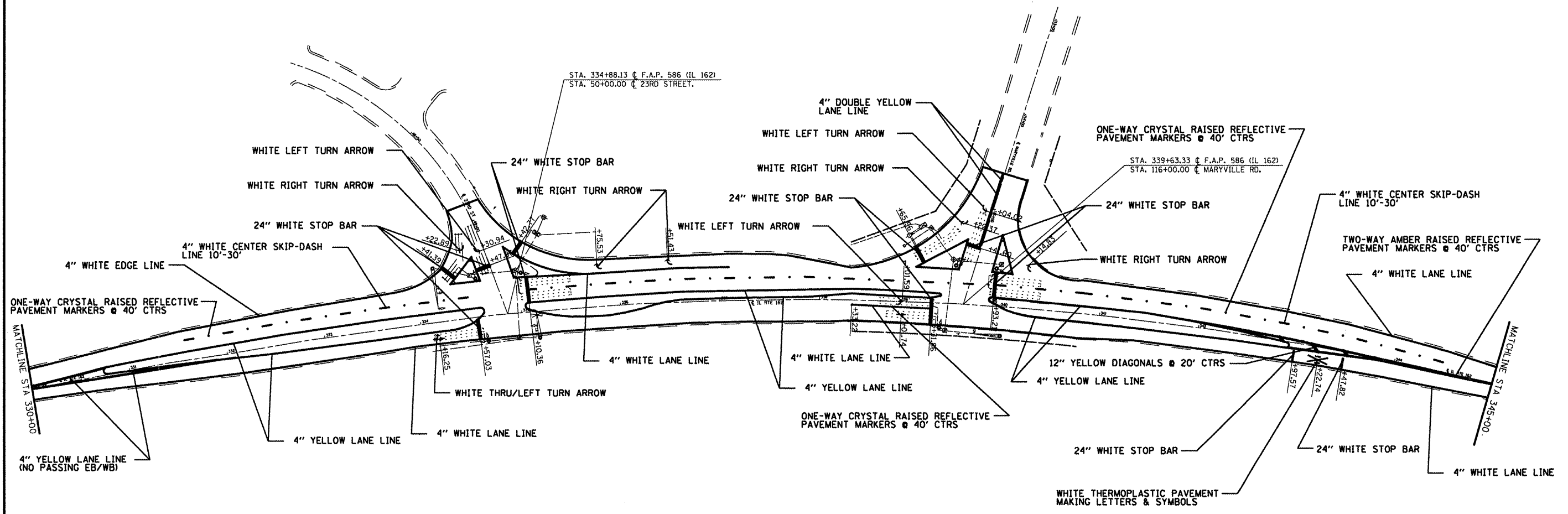
NOTE: CORRUGATED MEDIAN IS TO BE MILLED DOWN TO PROPOSED MILLED SURFACE.



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEETS IL 162 @ L-255</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	PLOT SCALE = *SCALE*	DRAWN -	REVISED -			586	5785-4..157-1.51/RS-3	MADISON	33	20
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				SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKINGS IL 162 FROM IL 203 TO IL 111</b>		F.A.R. RTE. 586	SECTION 5785-4..157-1.51/RS-3	COUNTY MADISON	TOTAL SHEETS 33	SHEET NO. 21	
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
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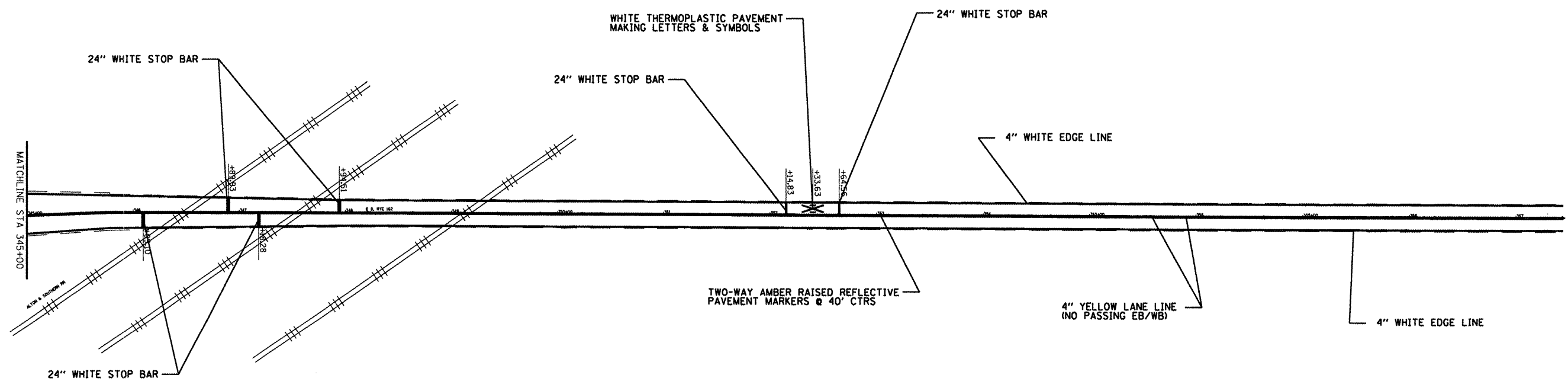
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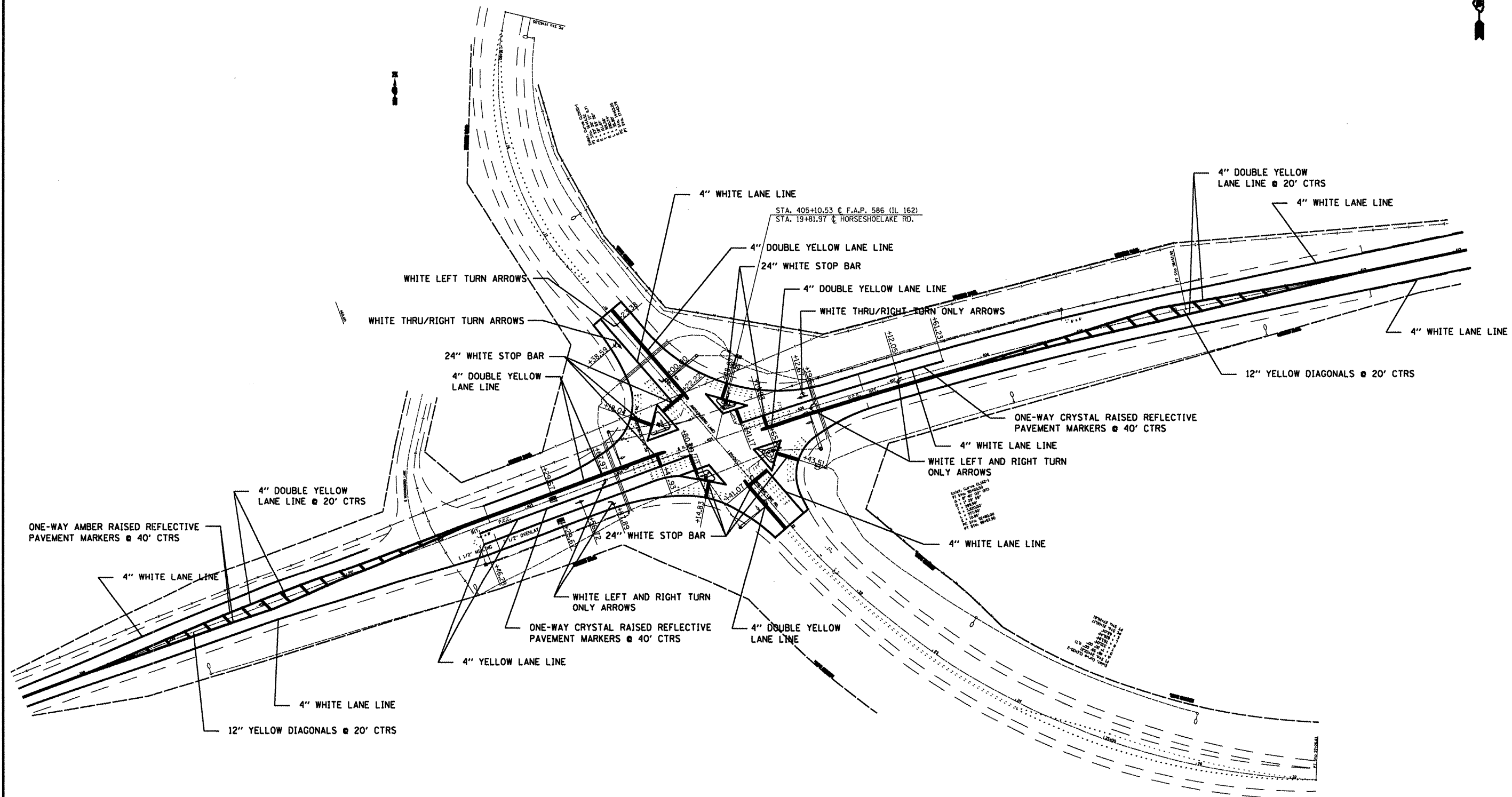
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS**  
**IL 162 FROM IL 203 TO IL 111**  
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	5785-4..157-1.51/85-3	MADISON	33	22
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E49	



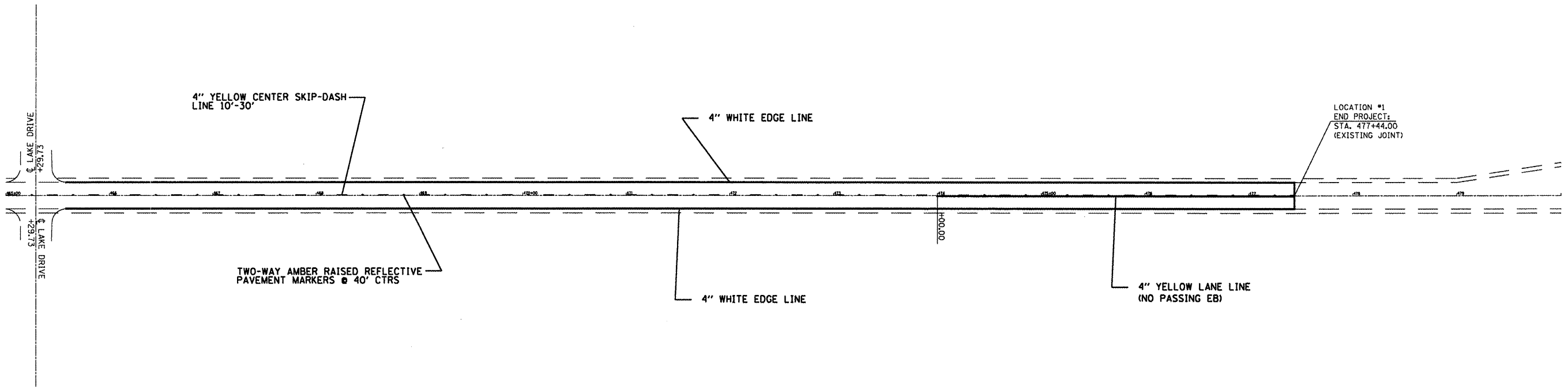
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*FILEL*	PLOT SCALE = *SCALE*	DRAWN -	REVISED -			586	5785-4.157-1.5185-3	MADISON	33	23
	PLOT DATE = *DATE*	CHECKED -	REVISED -			<b>CONTRACT NO. 76E49</b>				
				SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			



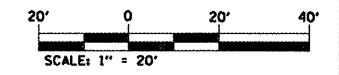
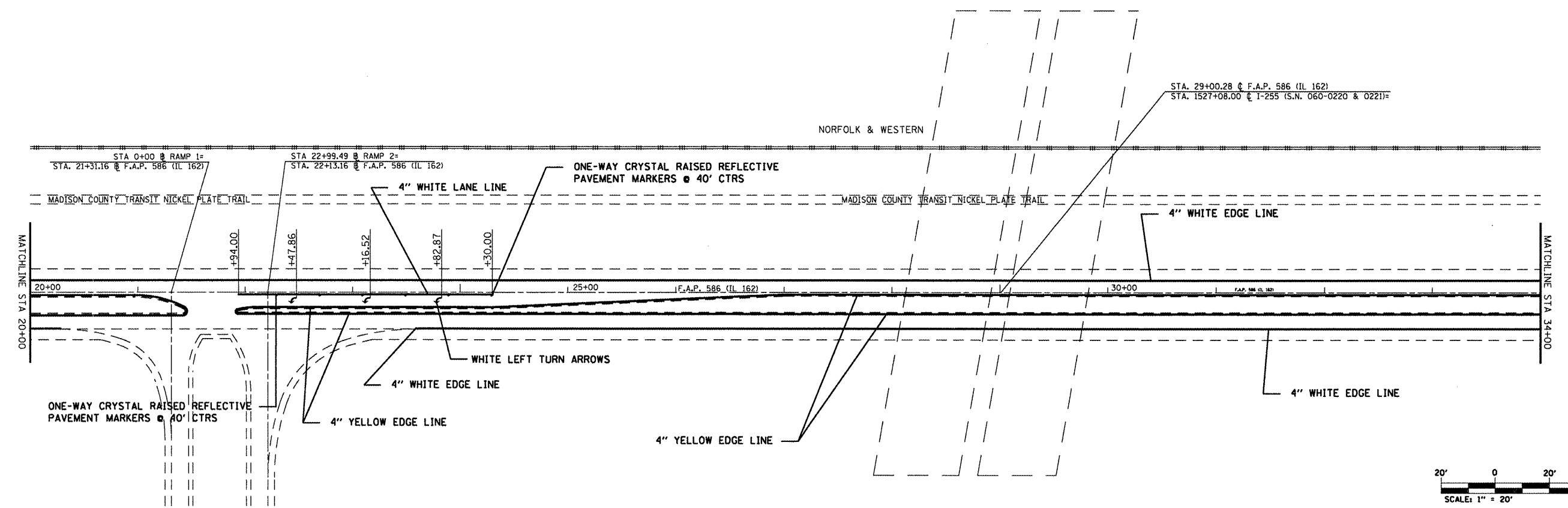
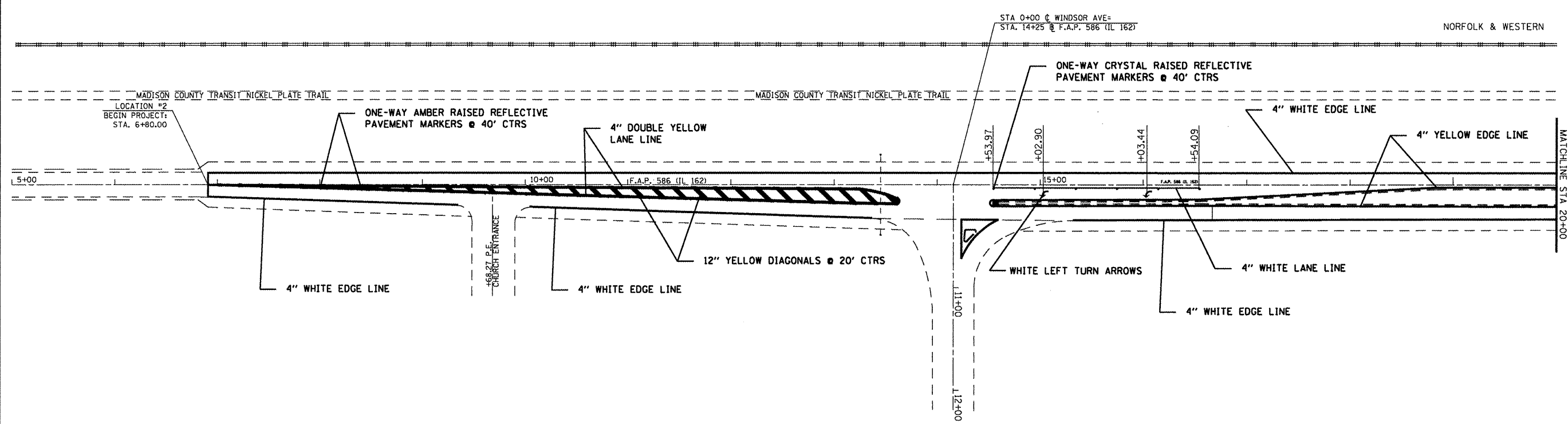
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*FILE#*	PLOT SCALE = *SCALE*	DRAWN -	REVISD -			586	5785-4...157-1-5185-3	WADISQV	33	24
	PLOT DATE = *DATE*	CHECKED -	REVISD -			<b>CONTRACT NO. 76E49</b>		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

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

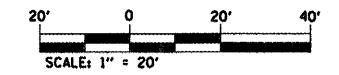
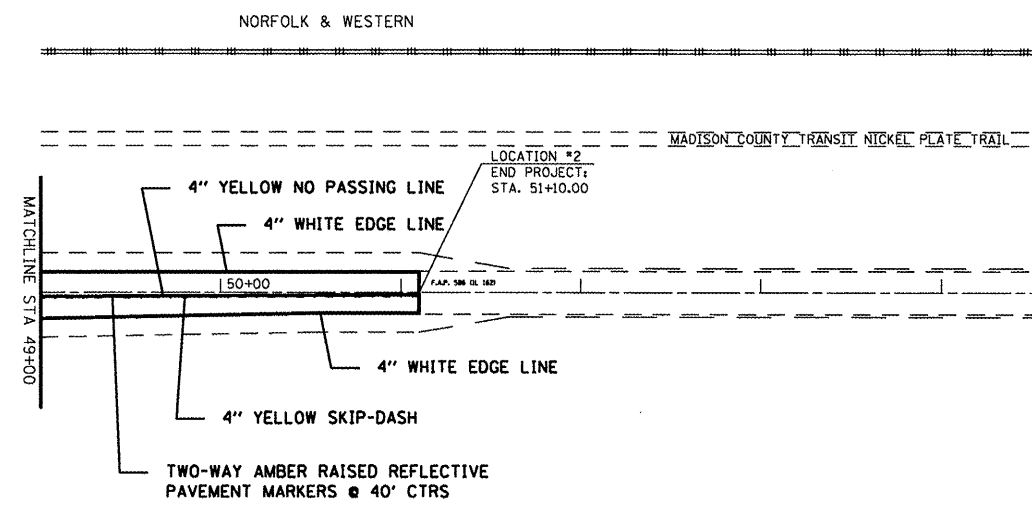
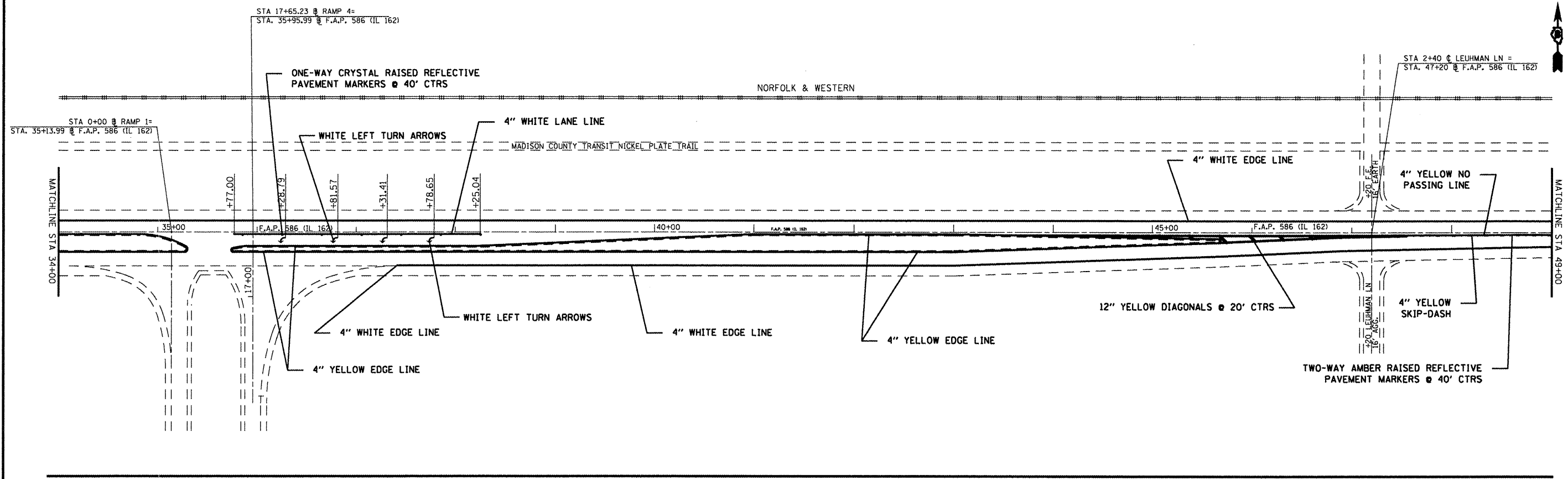




FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKINGS IL 162 FROM IL 203 TO IL 111</b>		F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---		586	5785-4-157-1.51185-3	MADISON	33	25		
	PLOT DATE = #DATE#	DATE - ---	REVISED - ---		SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		<b>CONTRACT NO. 16E49</b>		



FILE NAME =	USER NAME = *USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKINGS IL 162 @ I-255</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = *DATE*	CHECKED -	REVISED -			<b>CONTRACT NO. 76E49</b>				
				DATE	REVISED	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____										



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISD -
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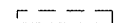



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS	
IL 162 @ I-255	
SCALE: _____	SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	5785-4-157-1.51185-3	MADISON	33	27
CONTRACT NO. 16E49				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

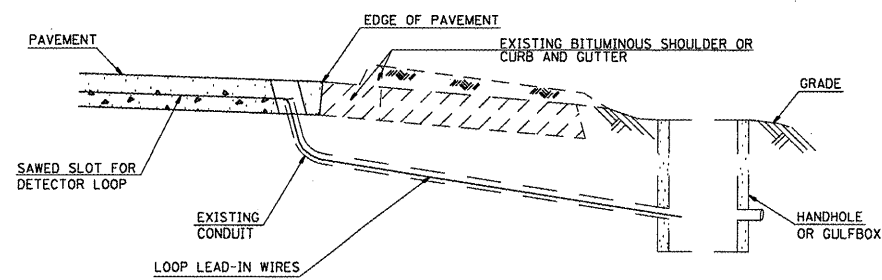
SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	23RD ST.	MARYVILLE RD.	MOCKINGBIRD LN. & HORSESHOE LAKE RD.
CODE NO	ITEM	UNIT				
<del>80300100</del>	LOCATING UNDERGROUND CABLE	FOOT	60	25	30	5
88600600	DETECTOR LOOP REPLACEMENT	FOOT	1927	846	1046	35

TRAFFIC SIGNALS LEGEND

-  EX. HANDHOLE
-  EX. DETECTOR LOOP
-  EX. TRAFFIC SIGNAL CONTROLLER
-  EXISTING CONDUIT
-  PROPOSED DETECTOR LOOP

NOTES:

- SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS" FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.
- SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUITS.



DETAIL A  
(NO SCALE)

INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
5. FILL HOLE WITH APPROVED SEALER, PREVENT SEALER FROM ENTERING INTO CONDUIT.
6. LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.

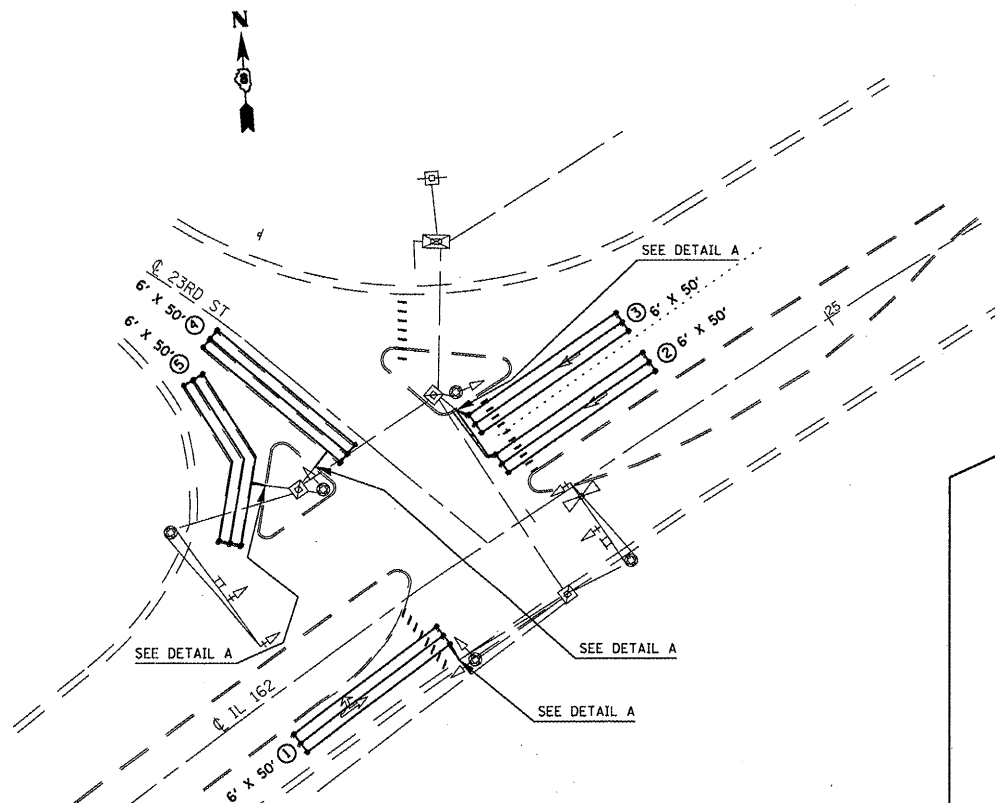
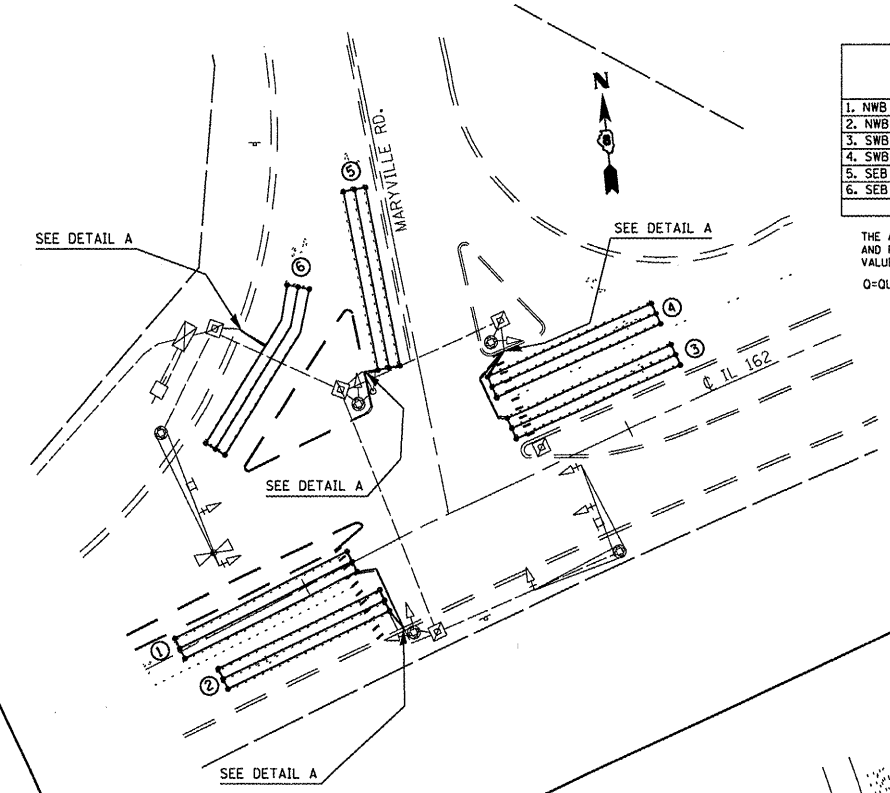
NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

FILE NAME =	USER NAME = milleraj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES, LEGEND, &amp; TRAFFIC SIGNAL NOTES &amp; DETAIL</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\millerraj\0212671\d87e49-sht-TS.dgn	DRAWN -	REVISED -	586			57RS-4, (57-1,51)RS-3	MADISON	33	28	
PLOT SCALE = 53.6585' / IN.	CHECKED -	REVISED -	CONTRACT NO. 76E49							
PLOT DATE = 1/31/2011	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 162 AND MARYVILLE RD.

LOOP	PHASE (Ø)	LOOP SIZE (FT X FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
1. NWB LT CD	1	6 X 50-0	3-6-3	821.0	2.4
2. NWB THRU CD	6	6 X 50-0	3-6-3	817.2	2.3
3. SWB THRU CD A	2	6 X 50-0	3-6-3	815.5	2.3
4. SWB THRU CD B	2	6 X 50-0	3-6-3	811.7	2.2
5. SEB LT CD	4	6 X 50-0	3-6-3	799.4	1.9
6. SEB RT CD	4	6 X 50-0	3-6-3	792.8	1.7

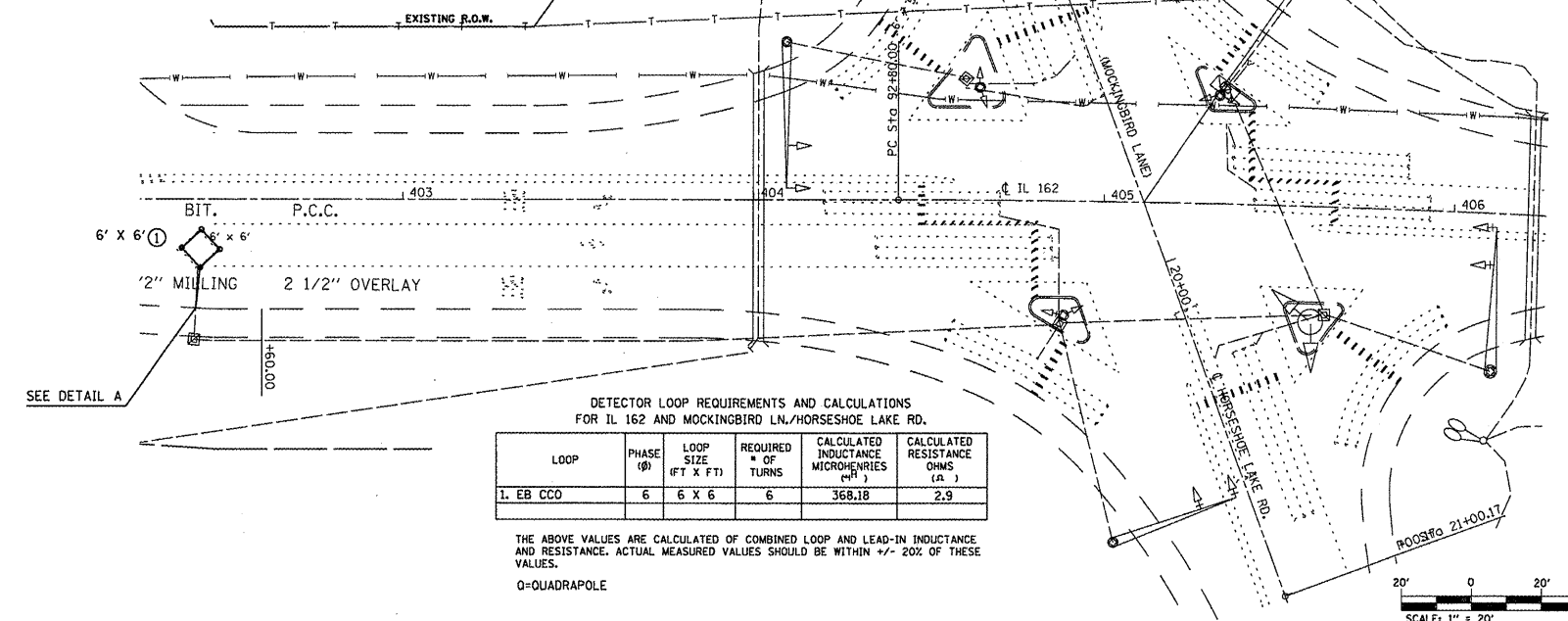
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.  
Ø=QUADRAPOLE



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 162 AND 23RD. ST.

LOOP	PHASE (Ø)	LOOP SIZE (FT X FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
1. NWB THRU CD	6	6 X 50-0	3-6-3	820.1	2.4
2. SWB THRU CD A	2	6 X 50-0	3-6-3	801.2	1.9
3. SWB THRU CD B	2	6 X 50-0	3-6-3	798.1	1.9
4. SEB LT CD	4	6 X 50-0	3-6-3	807.8	2.1
5. SEB RT CD	4	6 X 50-0	3-6-3	807.6	2.1

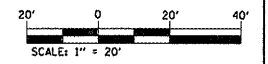
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.  
Ø=QUADRAPOLE



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 162 AND MOCKINGBIRD LN./HORSESHOE LAKE RD.

LOOP	PHASE (Ø)	LOOP SIZE (FT X FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
1. EB CCD	6	6 X 6	6	368.18	2.9

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



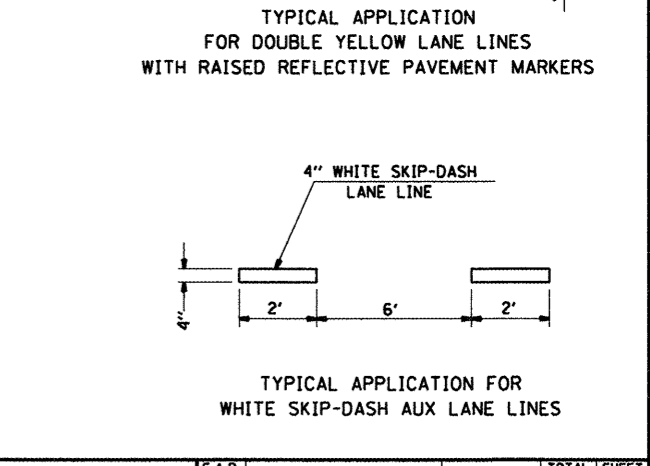
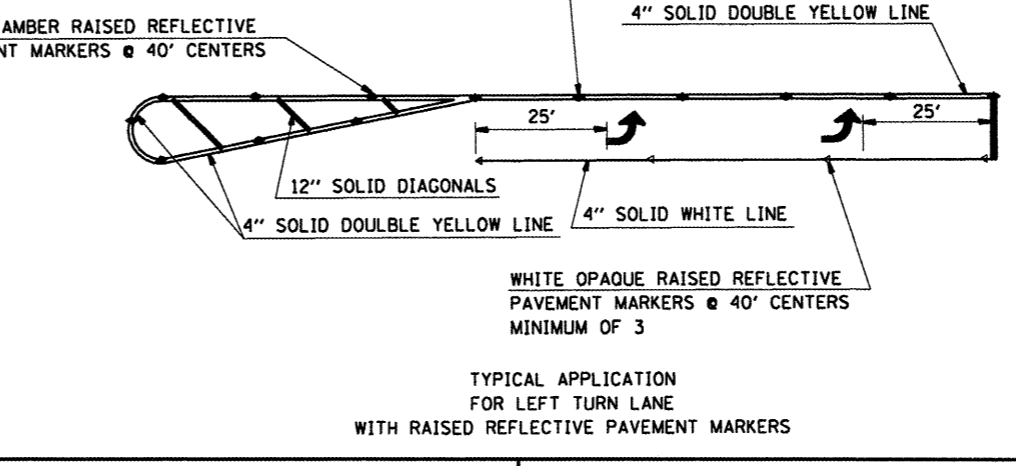
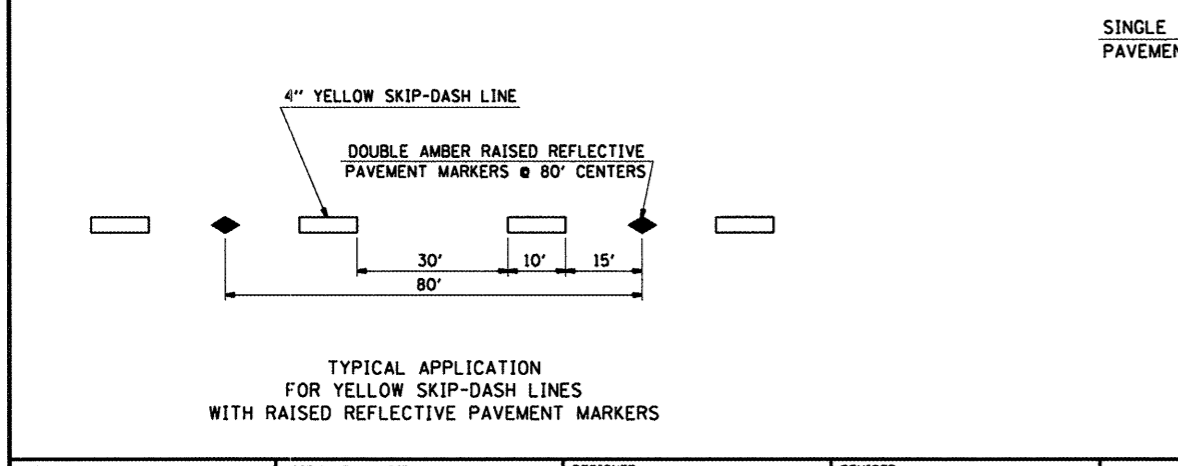
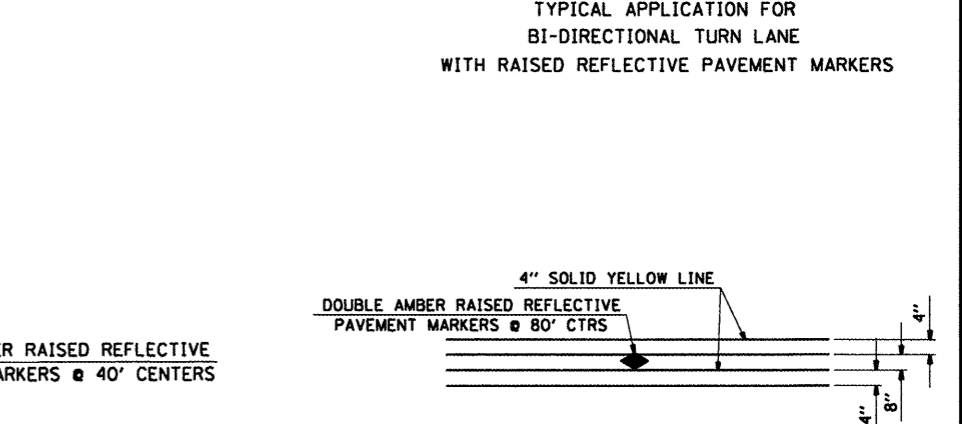
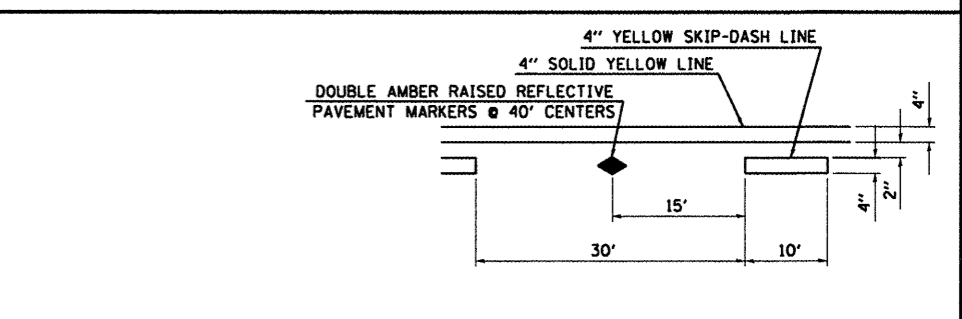
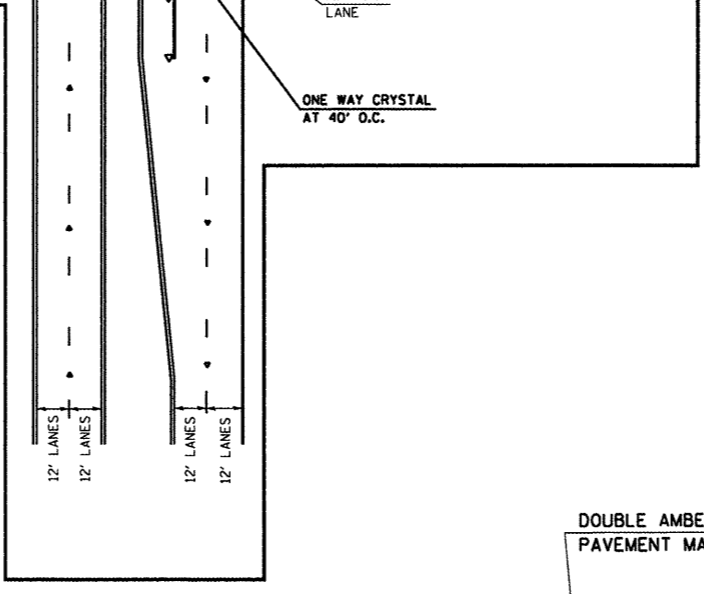
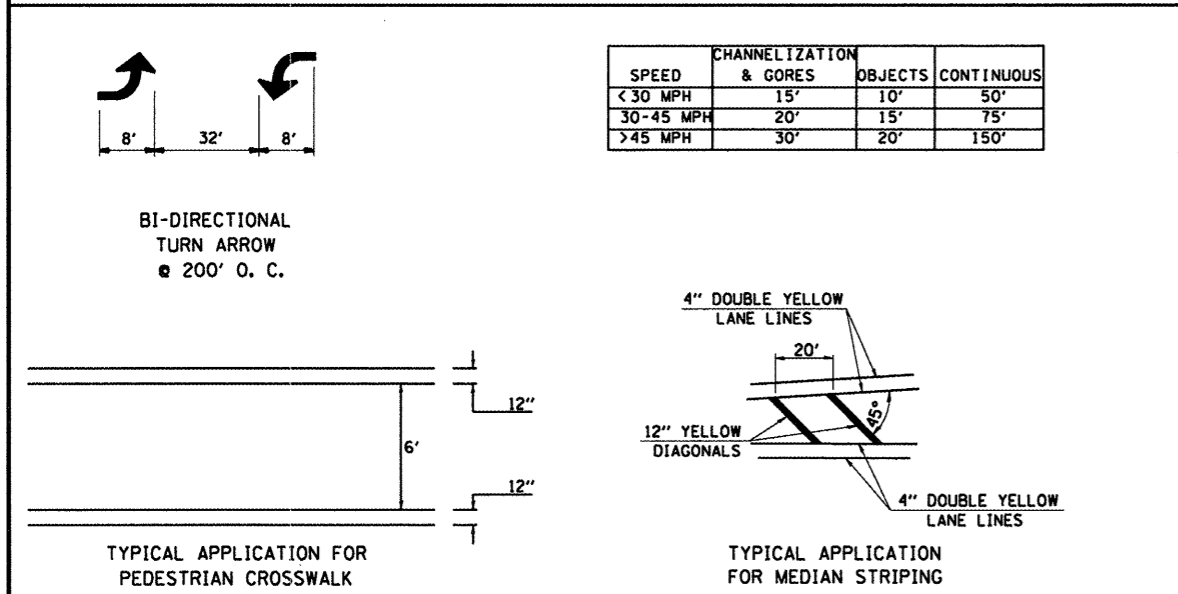
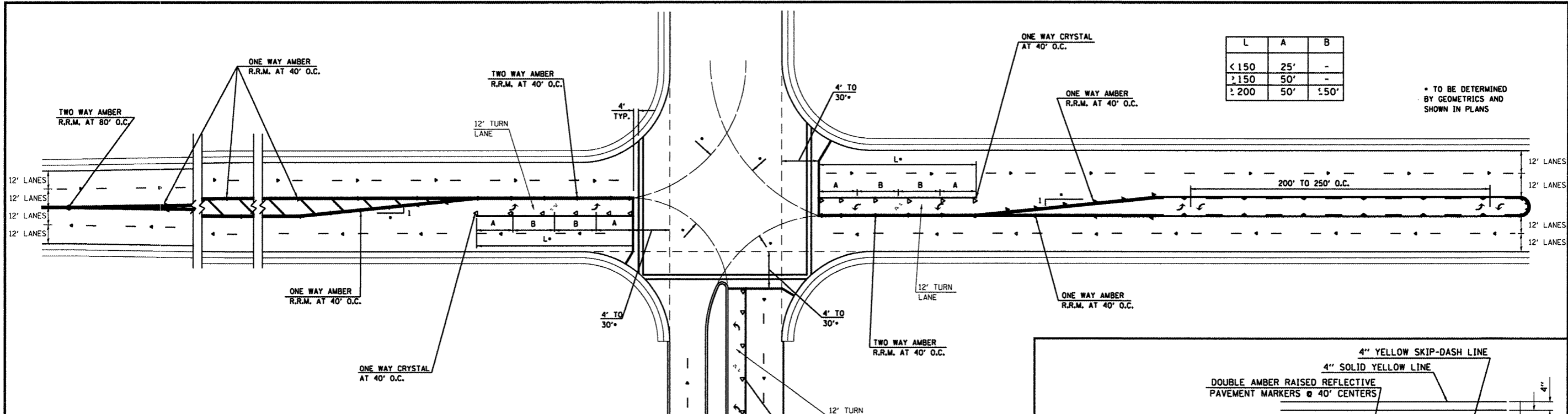
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	PLOT SCALE = 53.6885' / IN.	CHECKED -	REVISD -
	PLOT DATE = 1/31/2011	DATE -	REVISD -

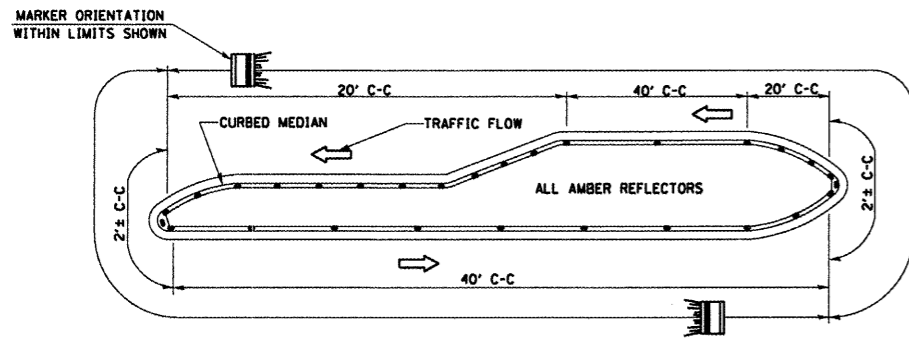
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT PLAN

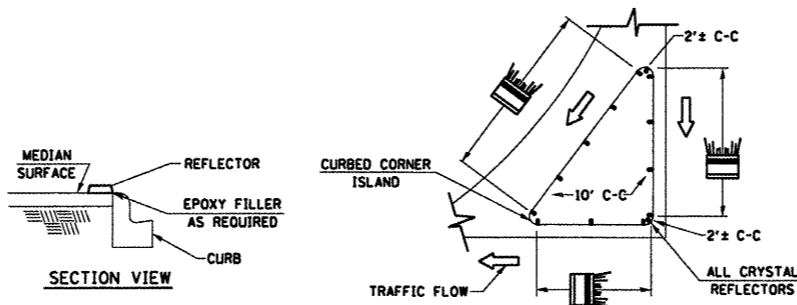
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
586	57RS-4, 157-1, 51RS-3	MADISON	33	29
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E49	

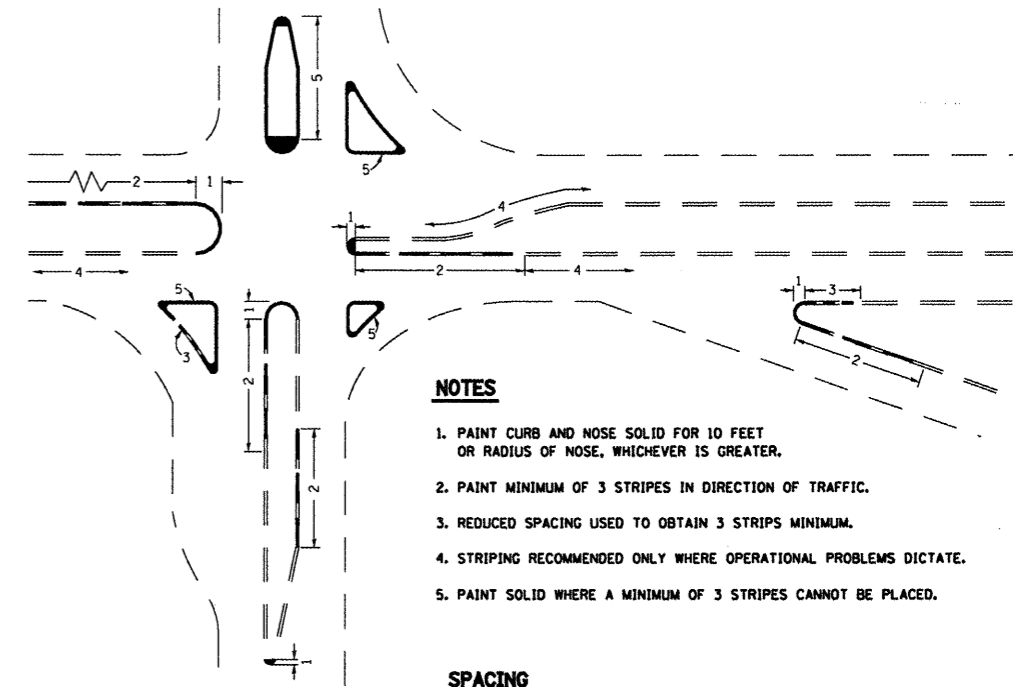




- NOTES**
1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
  2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
  3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.



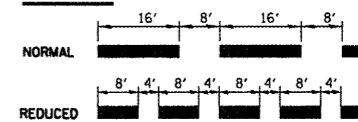
TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS  
(NO SCALE)



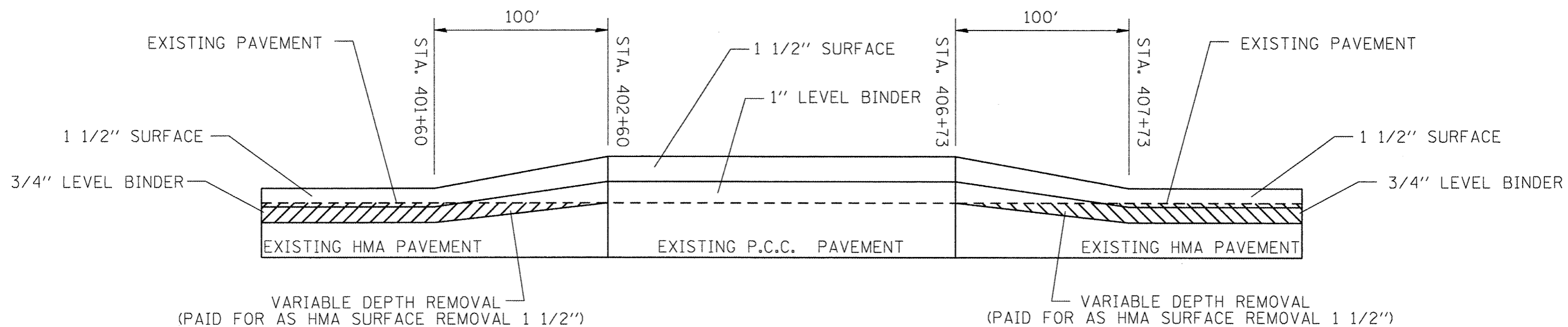
**NOTES**

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**

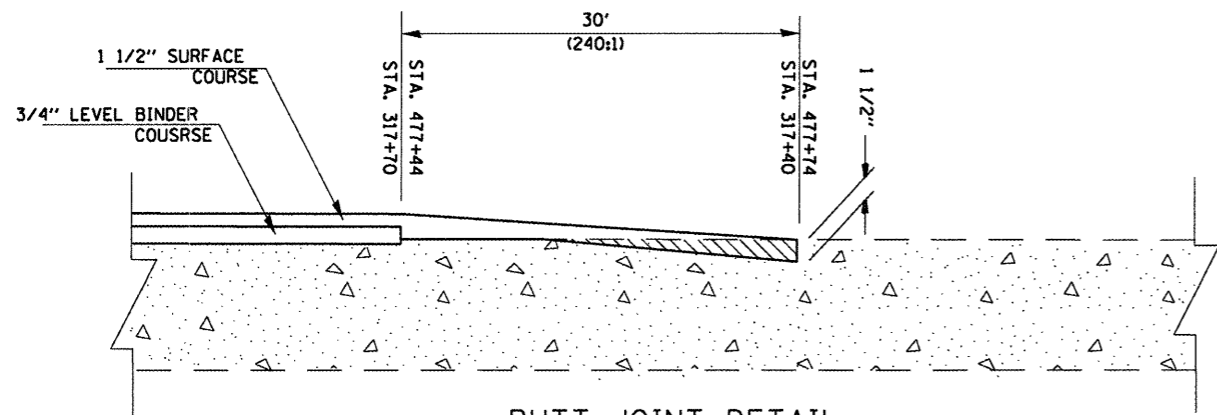


**CURB MARKING**



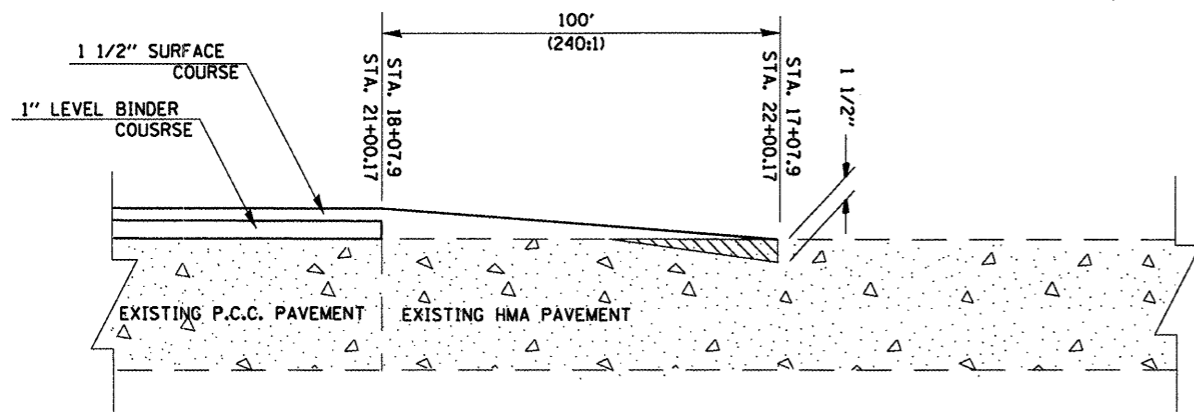
**PAVEMENT TRANSITION**

FILE NAME =	USER NAME = *USER*	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING / PAVEMENT TRANSITION DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILE#		DRAWN - ---	REVISED - ---			586	5785-4..(57-1.5)185-3	MADISON	33	31	
PLOT SCALE = *SCALE*		CHECKED - ---	REVISED - ---			CONTRACT NO. 76E49					
PLOT DATE = *DATE*		DATE - -----	REVISED - ---			SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		



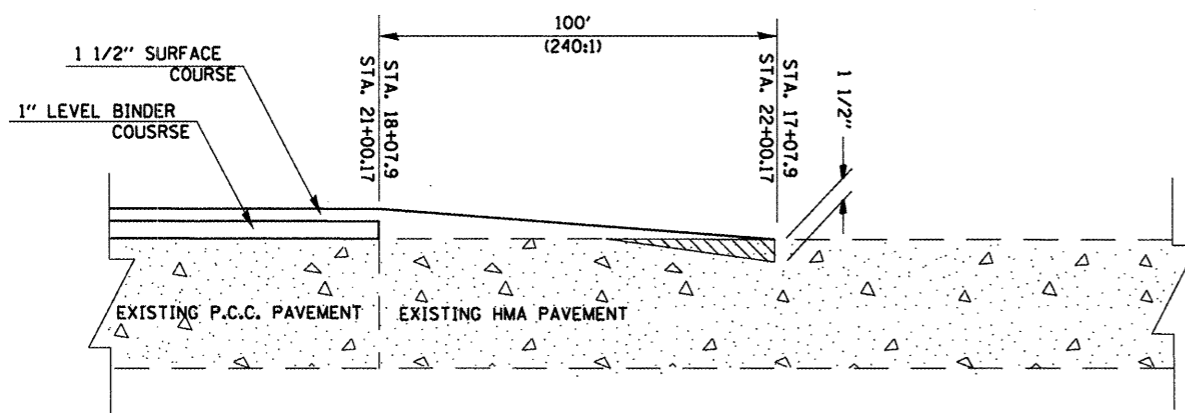
BUTT JOINT DETAIL  
BEGIN/END OF LOCATION #1

STA. 317+70  
STA. 477+44



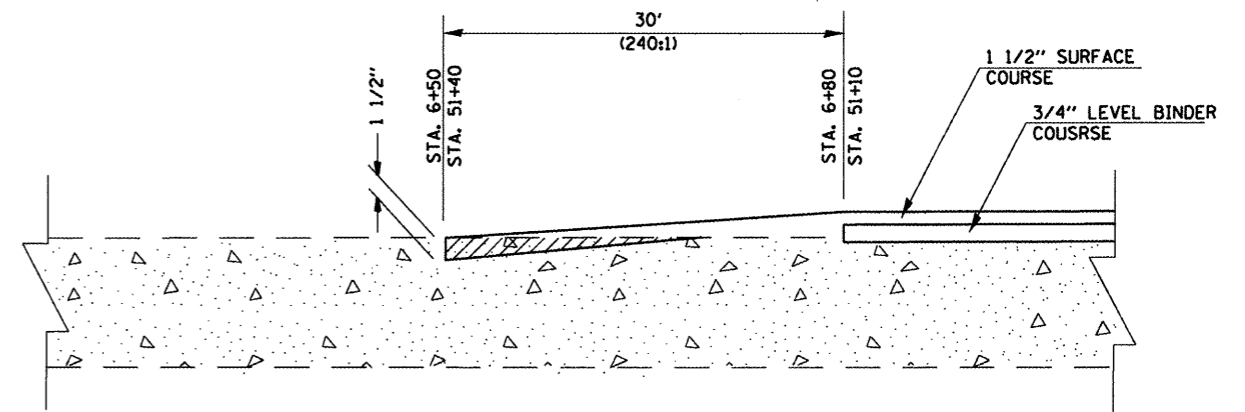
BUTT JOINT DETAIL  
LOCATION # 1

23RD ST. STA. 18+90.00  
MARYVILLE RD. STA. 1+37.00



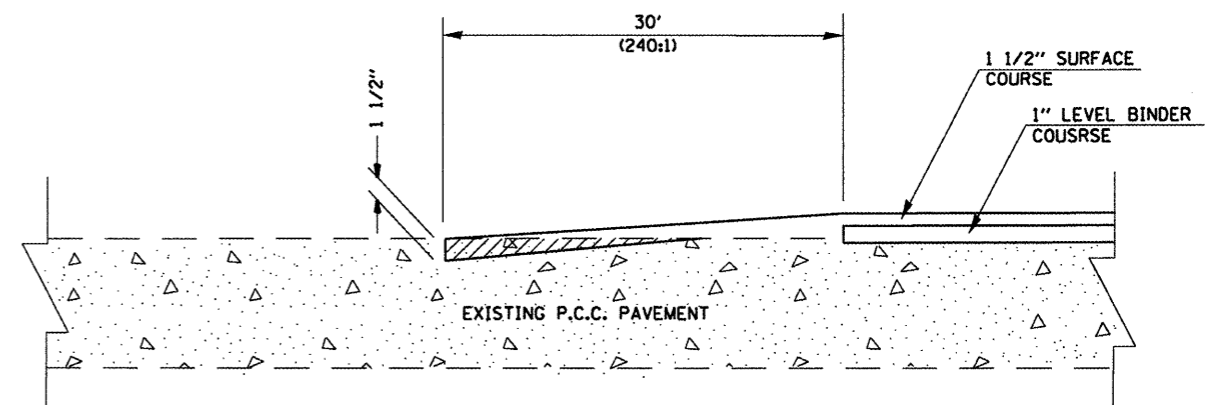
BUTT JOINT DETAIL  
LOCATION # 1

MOCKINGBIRD RD. STA. 18+07.90  
HORSESHOELAKE RD. STA. 21+00.17



BUTT JOINT DETAIL  
BEGIN/END OF LOCATION #2

STA. 6+80  
STA. 51+10

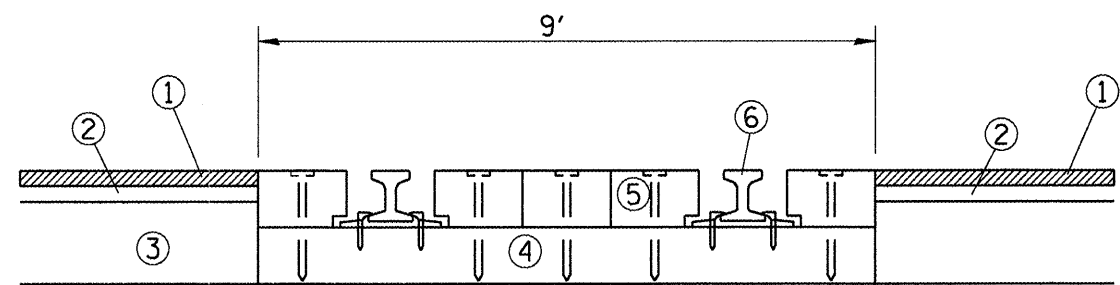


BUTT JOINT DETAIL  
I 255 RAMPS AT LOCATION #2

RAMP #1 STA. 1+09  
RAMP #2 STA. 18+56  
RAMP #3 STA. 1+09  
RAMP #4 STA. 20+90.5

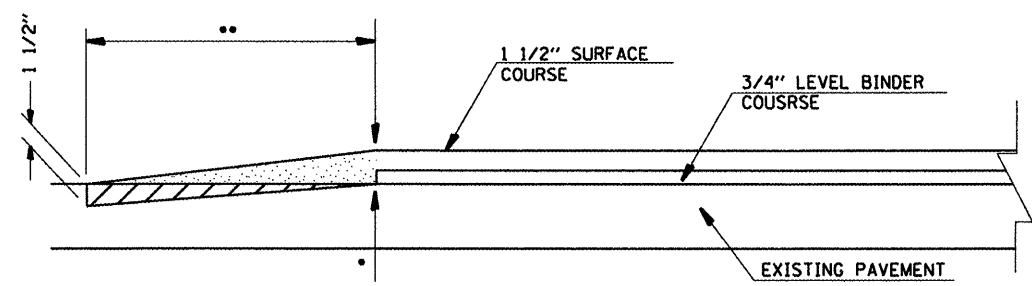
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#FILE#		DRAWN - ---	REVISED - ---			586	5785-4-157-1-5185-3	MADISON	33	32	
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---			CONTRACT NO. 76E49					
	PLOT DATE = #DATE#	DATE - -----	REVISED - ---			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



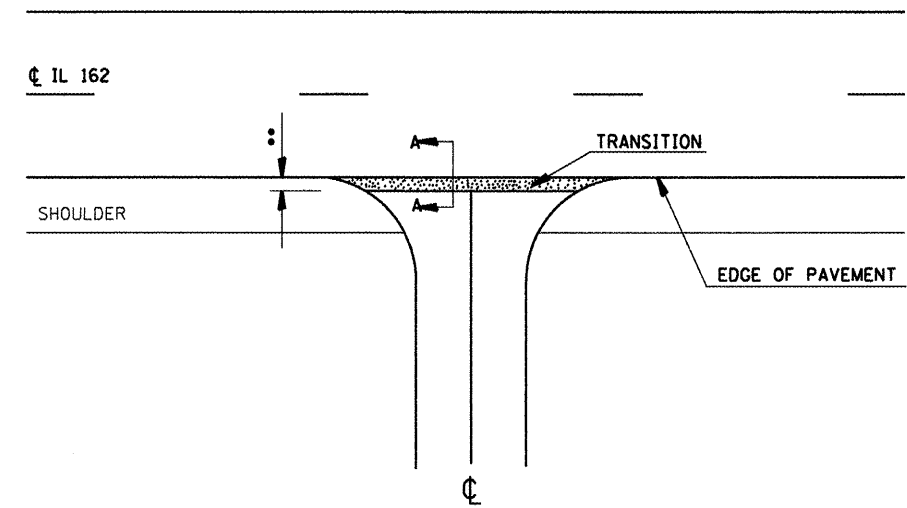


JOINTS @ RAILROAD

- ① PROPOSED 1 1/2" MILLING AND HMA RESURFACING
- ② EXISTING BITUMINOUS SURFACE
- ③ EXISTING PAVEMENT
- ④ EXISTING RR TIES
- ⑤ EXISTING RR PLANKS
- ⑥ EXISTING RAIL



TRANSITION DETAIL  
SECTION A-A



SIDEROAD DETAIL

STA. 000+00.00  
STA. 000+00.00

*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.