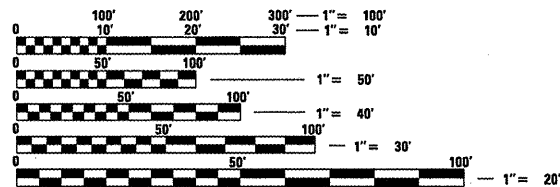
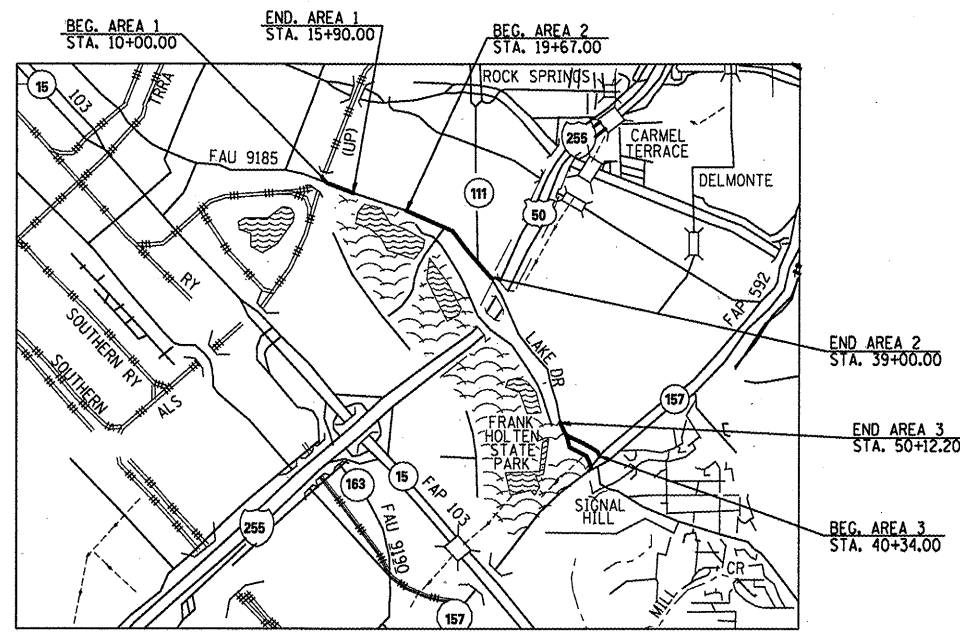
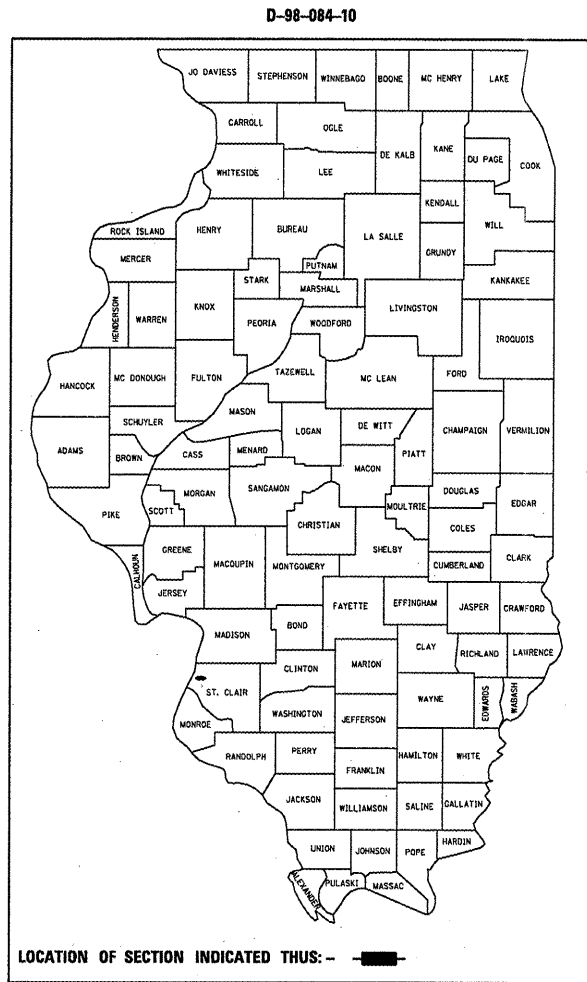


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**  
FAU 9185 ROUTE (LAKE DR)  
SECTION 10-1RS-1

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9185	10-1RS-1	ST. CLAIR	25	1
		ILLINOIS	CONTRACT NO. 76E15	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**RESURFACING  
ST. CLAIR COUNTY**  
C-98-108-10



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. 76E15

BEG. LAT. : 38.606747  
BEG. LONG. : -90.111398

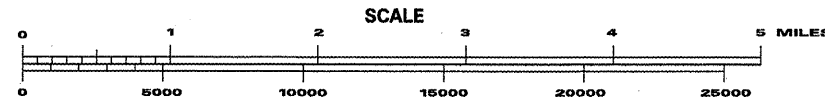
END. LAT. : 38.578968  
BEG. LONG. : -90.076800

**PROJECT LENGTH**

GROSS LENGTH = 3601 FT. = .68 MILES  
NET LENGTH = 3601 FT. = .68 MILES

**TRAFFIC DATA:**

2010 = 5300 (ACTUAL)  
2031 = 6600 (ESTIMATED)  
SU = 1.7%  
MU = 0.6%



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED April 6 2011  
May C. Jamie  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER  
May 13 2011  
Scott E. Stitt P.E. /s/  
Acting ENGINEER OF DESIGN AND ENVIRONMENT  
May 13 2011  
Christine M. Reed /s/  
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:

UTILITY	ABOVE GROUND	BELOW GROUND
• AMERENIP		X
• AMERENUE	X	X
• AT&T ILLINOIS	X	X
• BUCKEYE PARTNERS L.P. - WOOD RIVER PIPELINE		X
• CENTERPOINT ENERGY		X
• CHARTER COMMUNICATIONS, INC.	X	X
• COMMONFIELDS OF CAHOKIA PUBLIC WATER DISTRICT		X
• EXXONMOBIL PIPELINE COMPANY		X
• ILLINOIS AMERICAN WATER COMPANY		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 CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
4. PROPOSED PAVEMENT MARKING SHALL BE PLACED IN THE SAME LOCATION AS EXISTING AS DIRECTED BY THE RESIDENT ENGINEER.
5. THE INTENT OF THE MILLING IS TO REMOVE THE HMA RESURFACING ONLY. THE UNDERLYING CONCRETE SHALL NOT BE DISTURBED.
6. 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT THE BEGINNING OF THE PROJECT PLUS THE INTERSECTING SIDEROADS, AND WILL BE CONSIDERED INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE 48" X 48" FLUORESCENT ORANGE.
7. ALL TRAFFIC CONTROL DEVICES AS HEREIN SPECIFIED AND ANY ADDITIONAL TRAFFIC CONTROL DEVICES AND FLAGGERS AS DEEMED NECESSARY BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE CONTRACT TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
8. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED, EXCEPT TO PLACE THE WATERPROOFING MEMBRANE SYSTEM AT STR. 082-0257.
9. 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 STANDARD SPECIFICATIONS.
10. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
11. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
12. SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, BINDER AND FINAL BITUMINOUS SURFACE. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS. ONLY REMOVAL OF SHORT TERM PAVEMENT MARKING REMOVAL FROM FINAL SURFACE TO BE PAID AS 'WORK ZONE PAVEMENT MARKING REMOVAL'.

13. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	SURFACE	LEVEL BINDER	INCIDENTAL SURF
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=70
MIX COMPOSITION			
(GRADATION MIXTURE)	IL 12.5/9.5	IL 9.5	
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "D"

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	**2.0% @ Ndes=30	**2.0% @ Ndes=30
(GRADATION MIXTURE)	NMAS 3/4"	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).

14. FURNISHED EXCAVATION IS NEEDED FOR UPGRADE OF TERMINAL END SECTIONS. HOWEVER, CROSS SECTIONS ARE NOT AVAILABLE FOR THIS PROJECT. FURNISHED EXCAVATION WAS ESTIMATED AT 120 CU YDS AND SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.

## INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
4. LOCATION MAP
- 5.-8. TYPICAL SECTIONS
- 9.-13. SCHEDULES
- 14.-18. PLAN SHEETS
- 19.-20. PAVEMENT MARKING
21. DETECTOR LOOP REPLACEMENT SHEET
- 22.-25. RESURFACING DETAILS

## STANDARDS

000001-06	701301-04
610001-05	701306-03
606101-04	701311-03
606301-04	701336-06
630001-09	701601-07
630301-05	701701-07
631011-07	701901-01
631031-09	780001-02
635006-03	781001-03
635011-02	886001-01
701011-02	886006-01
701101-02	
701201-04	

## COMMITMENTS

NONE

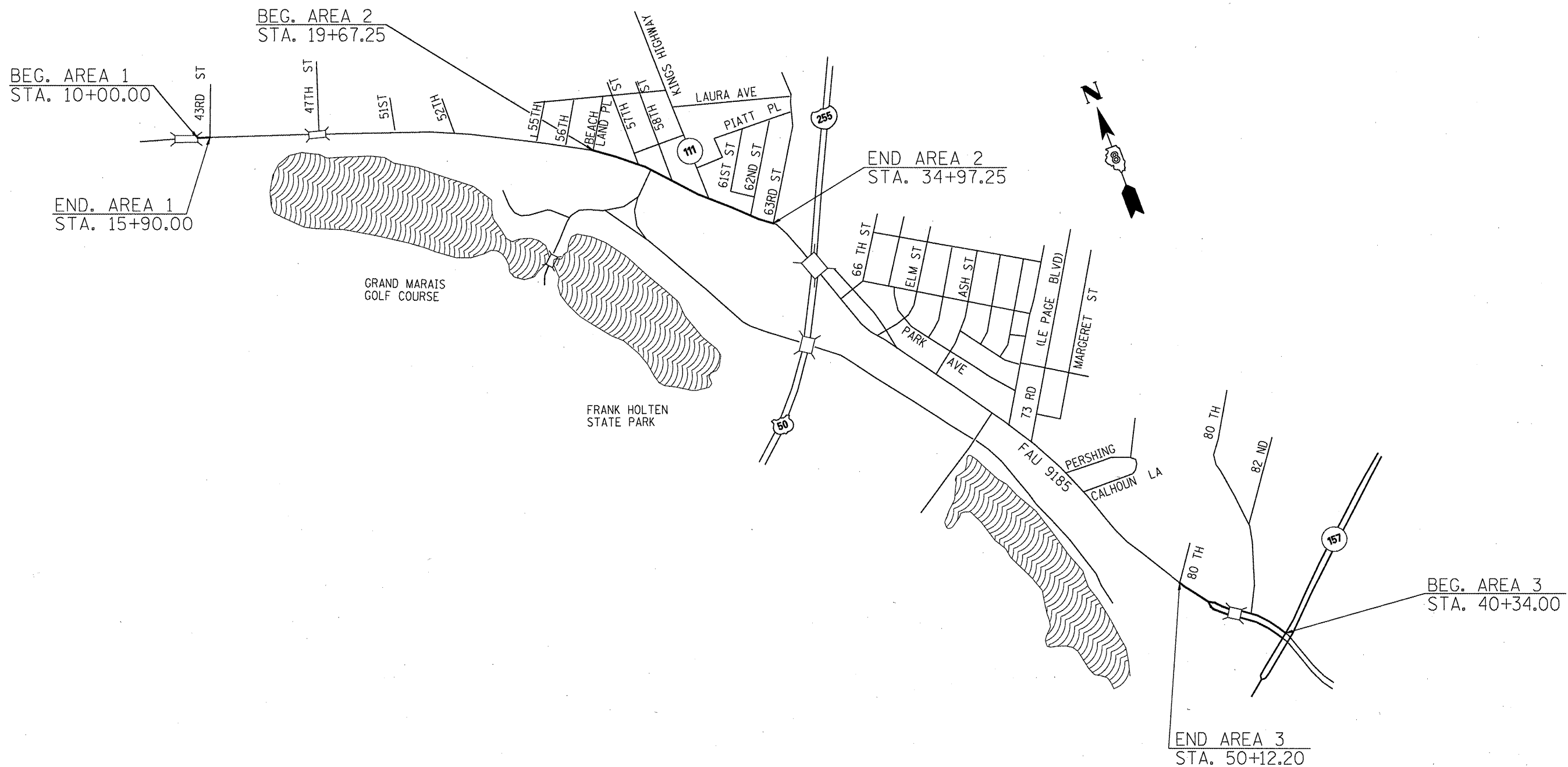
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	PLOT DATE = 4/21/2011	DATE - _____	REVISED - _____			FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

# 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		100% STATE 0005		CODE NO	ITEM	UNIT		100% STATE 0005	
20400800	FURNISHED EXCAVATION	CU YD	120	120		* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4	
25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25		63200310	GUARDRAIL REMOVAL	FOOT	1423	1423	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23		67100100	MOBILIZATION	L SUM	1	1	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23		70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
25100115	MULCH, METHOD 2	ACRE	0.25	0.25		70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
28100109	STONE RIPRAP, CLASS A5	SQ YD	6	6		70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
28200200	FILTER FABRIC	SO YD	6	6		70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	9.7	9.7		70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
40600300	AGGREGATE (PRIME COAT)	TON	47	47		70300100	SHORT TERM PAVEMENT MARKING	FOOT	2266	2266	
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	773	773		70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	78	78	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	781	781		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	15618	15618	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	740	740		70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	572	572	
40600990	TEMPORARY RAMP	SO YD	317	317		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	78	78	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1293	1293		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	756	756	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	25	25		* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	78	78	
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SO YD	10817	10817		* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	15618	15618	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	3641	3641		* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	572	572	
44003100	MEDIAN REMOVAL	SO FT	24	24		* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	78	78	
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	668	668		* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	116	116	
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SO YD	365	365		* 78200300	PRISMATIC CURB REFLECTOR	EACH	63	63	
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SO YD	19	19		* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	22	22	
44201299	DOWEL BARS 1 1/2"	EACH	920	920		* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	
44213100	PAVEMENT FABRIC	SO YD	19	19		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	138	138	
44213200	SAW CUTS	FOOT	1679	1679		80300100	LOCATING UNDERGROUND CABLE	FOOT	50	50	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	338	338		88600600	DETECTOR LOOP REPLACEMENT	FOOT	840	840	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	378	378		Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SO YD	990	990	
58100200	WATERPROOFING MEMBRANE SYSTEM	SO YD	990	990		Z0010615	CLEANING EXISTING INLETS	EACH	2	2	
60403500	GRATES, TYPE B	EACH	4	4		Z0016200	DECK SLAB REPAIR (PARTIAL)	SO YD	200	200	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	3	3		Z0036200	PAINT CURB	FOOT	286	286	
* 63000001	STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS	FOOT	862.5	862.5							
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4	4							
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	6	6							

\*SPECIALTY ITEM

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	PLOT DATE # DATE#	DATE - -----	REVISED - ---			CONTRACT NO. 76E15					



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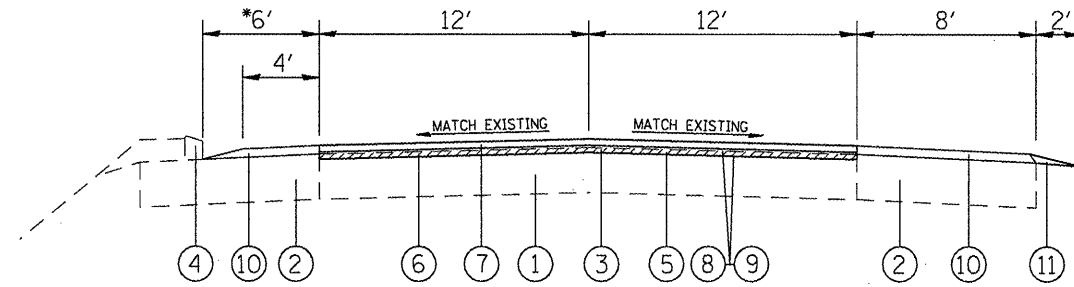
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP**

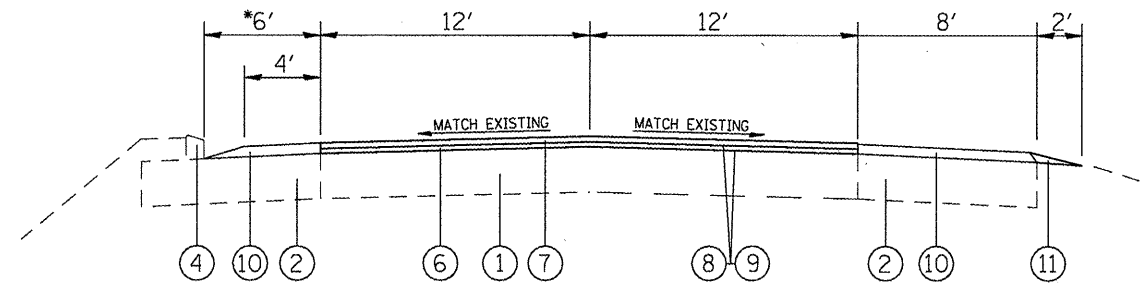
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F.A.P. RTE. 9185	SECTION 10-1RS-1	COUNTY ST. CLAIR	TOTAL SHEETS 25	SHEET NO. 4
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E15	



TYPICAL SECTION  
(AREA 1)

STA. 10+00.00 TO STA. 11+10.00



TYPICAL SECTION  
(AREA 1)

STA. 11+10.00 TO STA. 15+90.00

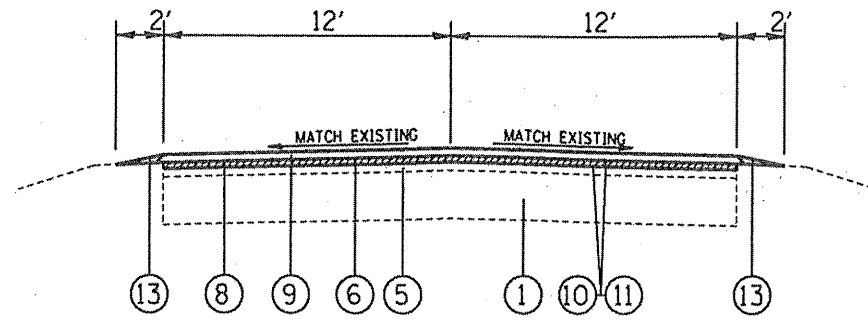
**LEGEND**

- ① EXISTING P.C.C. PAVEMENT, 8"
- ② EXISTING HOT-MIX ASPHALT SHOULDER
- ③ EXISTING HOT-MIX ASPHALT RESURFACING
- ④ EXISTING HOT-MIX ASPHALT SHOULDER CURB
- ⑤ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
- ⑥ PROPOSED LEVELING BINDER, 1"
- ⑦ PROPOSED HOT-MIX SURFACE COURSE, 1 1/2"
- ⑧ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑨ PROPOSED AGGREGATE (PRIME COAT)
- ⑩ PROPOSED HOT-MIX ASPHALT SHOULDERS
- ⑪ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

\* SHOULDER WIDTH MEASURES 8' FROM STA. 10+00.00 TO STA. 10+58.00 AND FROM STA. 13+58.00 TO STA. 15+90.00

NOTE:  
THE INTENT OF THE MILLING IS TO REMOVE HMA SURFACE MATERIAL ONLY. THE UNDERLYING CONCRETE PAVEMENT SHALL NOT BE DISTURBED.

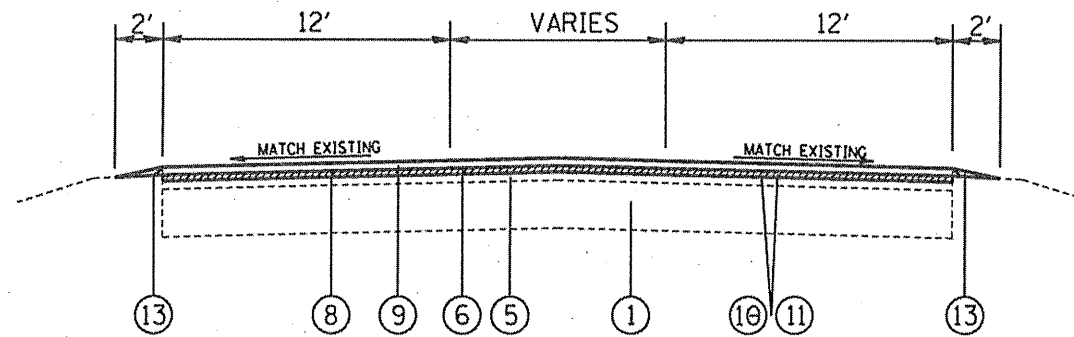
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		DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
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**TYPICAL SECTION**

(AREA 2)

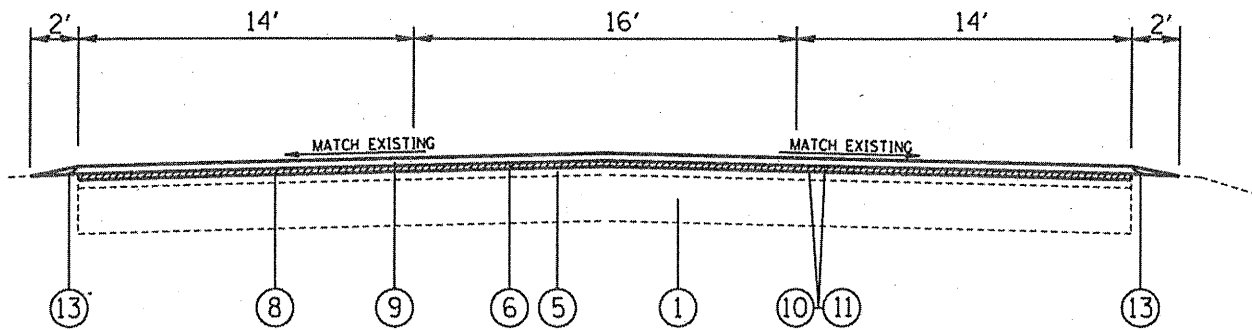
STA. 19+67.00 TO STA. 22+15.80  
STA. 34+97.25 TO STA. 39+00.00



**TYPICAL SECTION**

(AREA 2)

STA. 22+15.80 TO STA. 24+94.11  
STA. 32+09.27 TO STA. 34+97.25



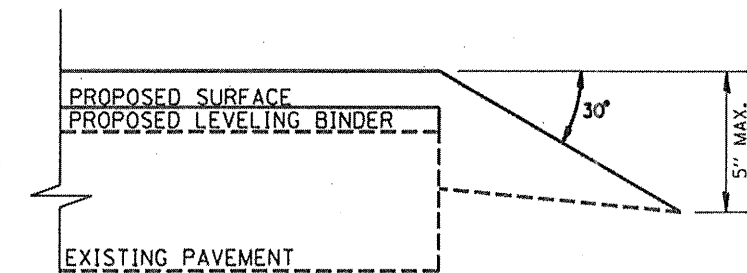
**TYPICAL SECTION**

(AREA 2)

STA. 24+94.11 TO STA. 32+09.27

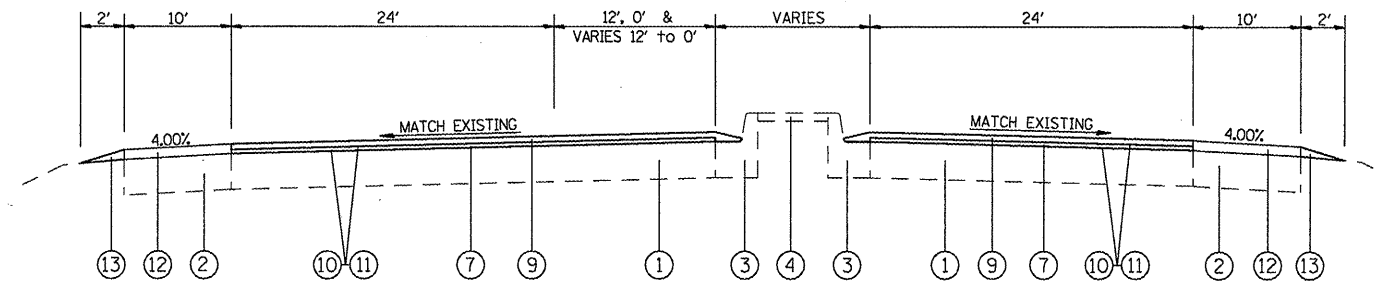
**LEGEND**

- ① EXISTING P.C.C. PAVEMENT, 8"
- ② EXISTING HOT-MIX ASPHALT SHOULDER
- ③ EXISTING CONCRETE CURB & GUTTER
- ④ EXISTING CONCRETE MEDIAN
- ⑤ EXISTING HOT-MIX ASPHALT RESURFACING
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
- ⑦ PROPOSED LEVELING BINDER, 1"
- ⑧ PROPOSED LEVELING BINDER, 3/4"
- ⑨ PROPOSED HOT-MIX SURFACE COURSE, 1 1/2"
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED AGGREGATE (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT SHOULDERS
- ⑬ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

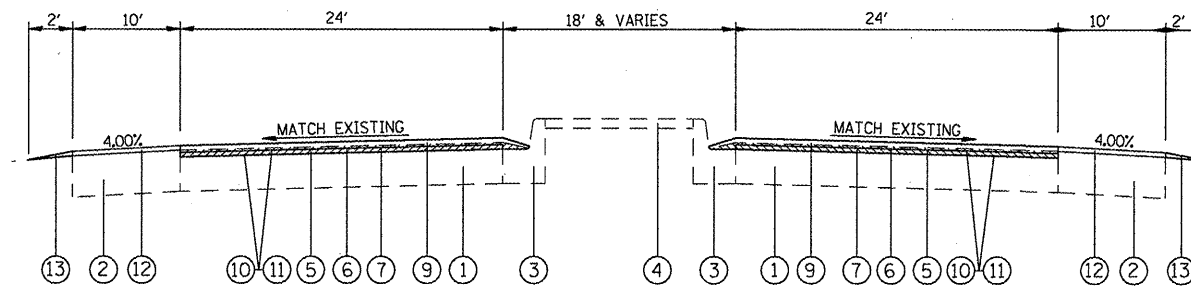


**SAFETY EDGE DETAIL**

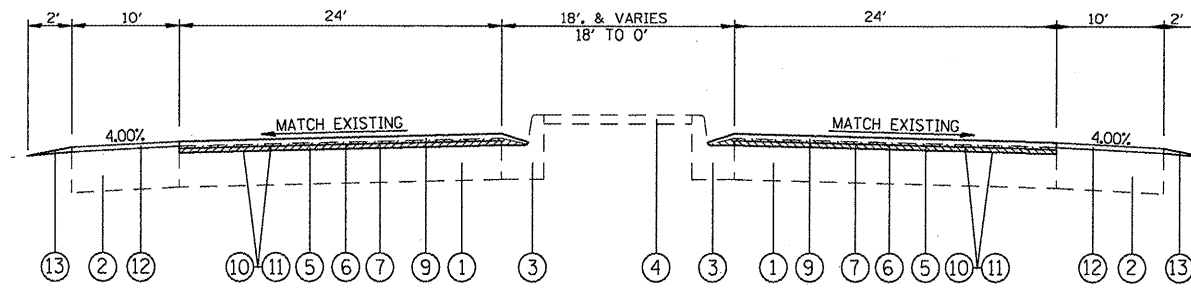
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	PLOT DATE = 5/16/2011	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



TYPICAL SECTION  
(AREA 3)  
STA. 40+34 TO STA. 44+75.34



TYPICAL SECTION  
(AREA 3)  
STA. 44+75.34 TO STA. 45+74.84



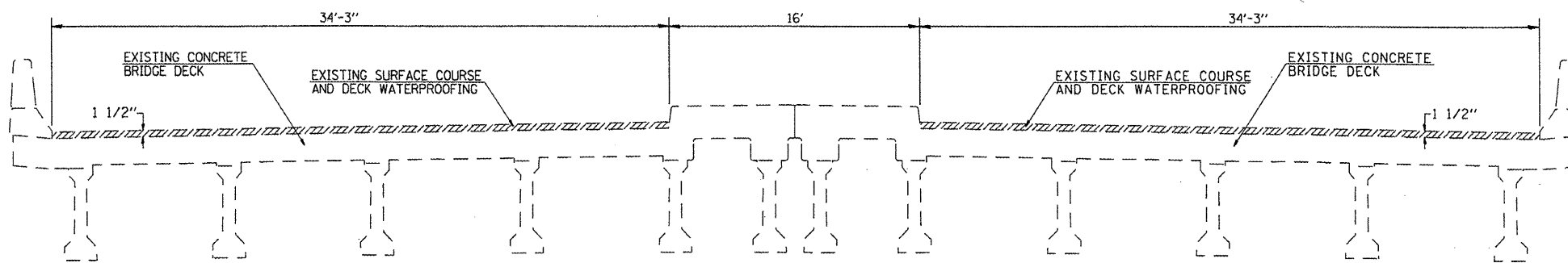
TYPICAL SECTION  
(AREA 3)  
STA. 47+05.17 TO STA. 50+12.20

**LEGEND**

- ① EXISTING P.C.C. PAVEMENT, 8"
- ② EXISTING HOT-MIX ASPHALT SHOULDER
- ③ EXISTING CONCRETE CURB & GUTTER
- ④ EXISTING CONCRETE MEDIAN SURFACE
- ⑤ EXISTING HOT-MIX ASPHALT RESURFACING
- ⑥ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- ⑦ PROPOSED LEVELING BINDER, 1"
- ⑧ PROPOSED LEVELING BINDER, 3/4"
- ⑨ PROPOSED HOT-MIX SURFACE COURSE, 1 1/2"
- ⑩ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑪ PROPOSED AGGREGATE (PRIME COAT)
- ⑫ PROPOSED HOT-MIX ASPHALT SHOULDERS
- ⑬ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B

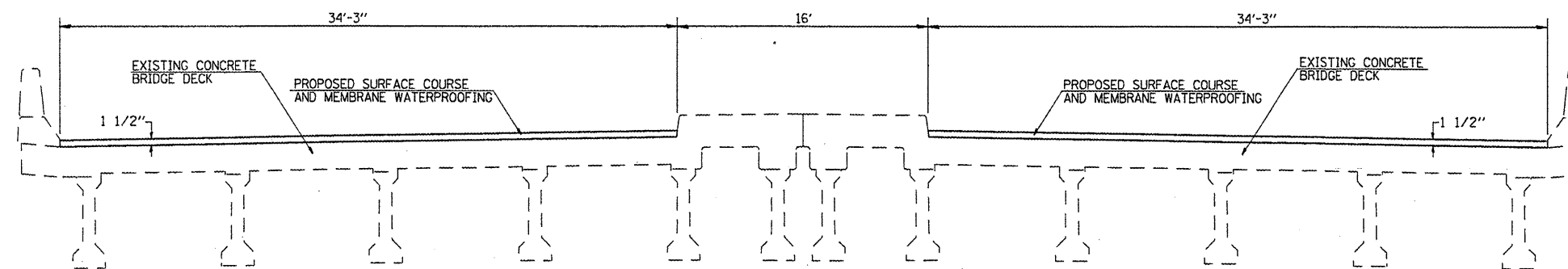
NOTE:  
THE INTENT OF THE MILLING IS TO REMOVE  
HMA SURFACE MATERIAL ONLY. THE UNDERLYING  
CONCRETE PAVEMENT SHALL NOT BE DISTURBED.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS (AREA 3)</b>	F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -			9185	10-1RS-1	ST. CLAIR	25	7
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 76E15		
	PLOT DATE = #DATE#	DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



**CROSS SECTION**  
 (S.N. 082-0257)  
 STA. 45+74.84 TO STA. 47+05.17

- HMA SURFACE REMOVAL (DECK)



**CROSS SECTION**  
 (S.N. 082-0257)  
 STA. 45+74.84 TO STA. 47+05.17

*The contractor must exercise extreme care as not to damage the joints at the end of the deck surface during the overlay milling operations. Any damage to the joints must be repaired at the contractor's expense to the satisfaction of the Engineer.*

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b> <b>(BRIDGE DECK)</b>		F.A.P. RTE. 9185	SECTION 10-IRS-1	COUNTY ST. CLAIR	TOTAL SHEETS 25	SHEET NO. 8
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -				CONTRACT NO. 76E15				
	PLOT DATE = #DATE#	DATE -	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____											



MAINLINE RESURFACING SCHEDULE						
LOCATION		BIT. MAT'L PRIME COAT	AGGREGATE PRIME COAT	LEVELING BINDER, 3/4"	LEVELING BINDER, 1"	HMA SURFACE COURSE
M.P.	to M.P.	(TON)	(TON)	(TON)	(TON)	(TON)
<b>(Area 1)LEFT</b>						
10+00	to 10+58	0.04	0.24		4.33	6.5
10+58	to 11+10	0.04	0.20		3.88	5.82
11+10	to 13+58	0.2	1.00		18.52	27.78
13+58	to 15+90	0.2	0.92		17.32	25.98
<b>(Area 1)RIGHT</b>						
10+00	to 10+58	0.04	0.24		4.33	6.5
10+58	to 11+10	0.04	0.20		3.88	5.82
11+10	to 13+58	0.2	1.00		18.52	27.78
13+58	to 15+90	0.2	0.92		17.32	25.98
<b>(Area 2)LEFT</b>						
19+67	to 22+16	0.2	1.00	13.93		28.02
22+16	to 24+94	0.3	1.48	20.77		41.70
24+94	to 32+09	1	4.76	66.73		133.89
32+09	to 34+97	0.32	1.54	21.50		43.18
34+97	to 39+00	0.34	1.62	22.57		45.38
						0.00
<b>(Area 2)RIGHT</b>						
19+67	to 21+57	0.16	0.76	10.64		21.39
21+57	to 24+94	0.42	2.02	28.31		56.82
24+94	to 32+09	1.2	5.72	80.08		160.58
32+09	to 34+97	0.36	1.72	24.19		48.55
34+97	to 39+00	0.34	1.62	22.57		45.38
<b>(Area 3)LEFT</b>						
40+34	to 41+95	0.44	2.10		39.31	58.97
41+95	to 43+45	0.32	1.50		28.00	42
43+45	to 44+30	0.14	0.68		12.69	19.04
44+30	to 44+55	0.3	1.46		27.16	40.74
44+55	to 45+75	0.2	0.96		17.99	26.98
47+05	to 49+22	0.38	1.84		34.43	51.65
49+22	to 50+62	0.26	1.22		22.65	33.97
<b>(Area 3)RIGHT</b>						
40+34	to 41+88	0.34	1.64		30.74	46.12
41+88	to 45+75	0.64	3.10		57.79	86.69
47+05	to 49+22	0.28	1.38		25.65	38.48
47+05	to 50+62	0.44	2.14		39.98	59.98
<b>SIDE ROAD</b>						
59TH ST.		0.24	1.10	15.50	20.66	31
<b>TOTAL</b>		<b>9.6</b>	<b>46</b>	<b>327</b>	<b>446</b>	<b>1293</b>

MILLING SCHEDULE					
LOCATION		HMA SURFACE REMOVAL 3/4"	HMA SURFACE REMOVAL 1.5"	HMA SURFACE REMOVAL (DECK)	
M.P.	to M.P.	(SQ YD)	(SQ YD)	(SQ YD)	
<b>(Area 1)LEFT</b>					
10+00	to 10+58	77.33			
10+58	to 11+10	69.33			
<b>(Area 1)RIGHT</b>					
10+00	to 10+58	77.33			
10+58	to 11+10	69.33			
<b>(Area 2)RIGHT</b>					
40+34	to 41+88	4630.00			
41+88	to 45+75	1032.00			
47+05	to 49+22	458.11			
47+05	to 50+12	614.00			
<b>(Area 2)LEFT</b>					
20+00	to 22+16	287.73			
22+16	to 24+94	494.58			
24+94	to 32+09	1588.89			
32+09	to 34+97	512.00			
34+97	to 39+00	537.33			
<b>(Area 3)LEFT</b>					
44+75	to 45+75		330.00		
45+75	to 47+05			494.72	
47+05	to 48+59		607.44		
48+59	to 50+12		595.00		
<b>(Area 3)RIGHT</b>					
44+75	to 45+75		266.67		
45+75	to 47+05			494.72	
47+05	to 50+12		852.78		
<b>SIDE ROAD</b>					
59TH ST.		369.00			
<b>TOTAL =</b>		<b>10817</b>	<b>2652</b>	<b>990</b>	

SIDE ROAD SCHEDULE					
LOCATION	SIDE	BIT. MAT'L PRIME COAT	AGGREGATE PRIME COAT	INCIDENTAL HMA SURFACING	COMMENTS
STATION	LT/RT	(TON)	(TON)	(TON)	
<b>(Area 2)</b>					
24+71.30	LT	0.02	0.08	2.10	57TH ST.
27+36.92	RT	0.05	0.24	6.83	PARK ENT.
29+76.00	LT	0.02	0.10	2.66	58TH ST.
<b>(Area 3)</b>					
44+95.00	RT	0.06	0.27	12.52	82ND ST.
<b>TOTAL =</b>		<b>0.1</b>	<b>1</b>	<b>25</b>	

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#		DRAWN -	REVISED -			9185	10-IRS-1	ST. CLAIR	25	9	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			CONTRACT NO. 76E15					
	PLOT DATE = #DATE#	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

SHOULDER SCHEDULE				
LOCATION			HMA SHOULDERS	AGG. WEDGE SHOULDER, TYPE B
M.P.	to	M.P.	(TON)	(TON)
<b>(Area 1) LEFT</b>				
10+00	to	10+58	7.22	3.01
10+58	to	11+10	4.85	2.70
11+10	to	13+58	23.15	12.86
13+58	to	15+90	28.87	12.03
<b>(Area 1) RIGHT</b>				
10+00	to	10+58	7.22	3.01
10+58	to	11+10	6.47	2.70
11+10	to	13+58	30.86	12.86
13+58	to	15+90	28.87	12.03
<b>(Area 2) LEFT</b>				
20+00	to	24+56		23.64
24+86	to	29+91		26.18
29+91	to	33+78		20.07
33+78	to	34+97		6.17
34+97	to	39+00		20.90
<b>(Area 2) RIGHT</b>				
20+00	to	21+57		8.14
21+57	to	24+94		17.47
24+94	to	32+09		37.07
32+09	to	34+97		14.93
34+97	to	39+00		20.90
<b>(Area 3) LEFT</b>				
41+10	to	41+50	31.50	2.07
41+50	to	44+75	50.61	16.87
44+75	to	45+75	9.29	5.16
47+05	to	50+12	28.64	15.91
<b>(Area 3) RIGHT</b>				
41+01	to	41+50	31.50	2.54
41+50	to	44+75	50.61	16.87
44+75	to	45+75	9.29	5.16
47+05	to	50+12	28.65	15.92
TOTAL =			378	338

TEMP. RAMP/BUTT JOINT SCHEDULE				
LOCATION	TEMPORARY RAMP	HMA SURFACE REMOVAL - BUTT JOINT	P.C.C SURFACE REMOVAL - BUTT JOINT	COMMENTS
STATION	(SQ YD)	(SQ YD)	(SQ YD)	
<b>(Area 1)</b>				
10+00.00	14			
15+90.00		134		
16+40.00	24			
<b>(Area 2)</b>				
19+67.00	14	80		
38+70.00		80		
39+00.00	14			
<b>(Side Roads)</b>				
24+71.30	14	25		57TH ST.
27+36.92	14	72		PARK ENT.
29+76.00	14	32		58TH ST.
34+61.40	14	80		59TH ST.
<b>(Area 3)</b>				
40+34.00	139		740	
50+12.00		239		
50+62.00	42			
<b>(Side Roads)</b>				
44+95.00	14	39		82ND ST.
<b>TOTAL =</b>				
	317	781	740	

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULES</b>	F.A.P. RTE. 9185	SECTION 10-1RS-1	COUNTY ST. CLAIR	TOTAL SHEETS 25	SHEET NO. 10		
#FILE#	PLOT SCALE = #SCALE#	DRAWN - ---	REVISED - ---			SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 76E15			
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT						
		DATE - _____	REVISED - ---									

GUARDRAIL SCHEDULE									
LOCATION		GUARDRAIL REMOVAL	SPBGR, TYPE A	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	TRAFFIC BARRIER TERMINAL, TYPE 2	TRAFFIC BARRIER TERMINAL, TYPE 6	TERMINAL MARKER DIRECTT APPLIED	GUARDRAIL MARKERS, TYPE A	REMARKS
STATION	SIDE	FOOT	FOOT.	EACH	EACH	EACH	EACH	EACH	
AREA 1									
10+00.00	LT	324				1	1		
10+00.00	RT	374				1	1		
10+44.00	LT		262.5					6	
10+44.00	RT		250					6	
12+94.00	RT			1					
13+06.50	LT			1					
AREA 3									
43+10.00	RT	137.5		1			1		
43+60.00	RT		87.5					2	
44+19.50	LT	162.5			1				
44+69.50	LT		62.5					2	
44+75.50	RT				1				
45+20.00	RT	50			1				
45+32.00	LT					1			
45+32.00	RT					1			
47+05.00	RT	112.5				1			
47+05.00	LT	262.5				1			
47+48.00	RT		25					1	
47+48.00	LT		175					5	
47+73.00	RT				1				
49+23.00	LT			1			1		
TOTAL		1423	862.5	4	4	6	4	22	

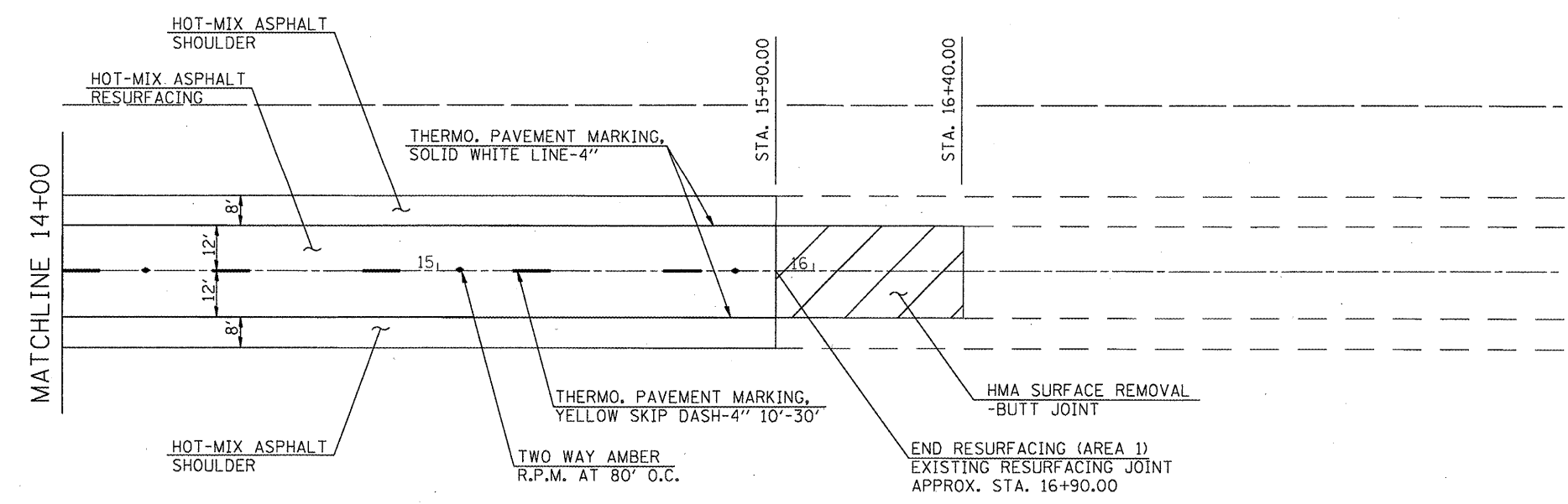
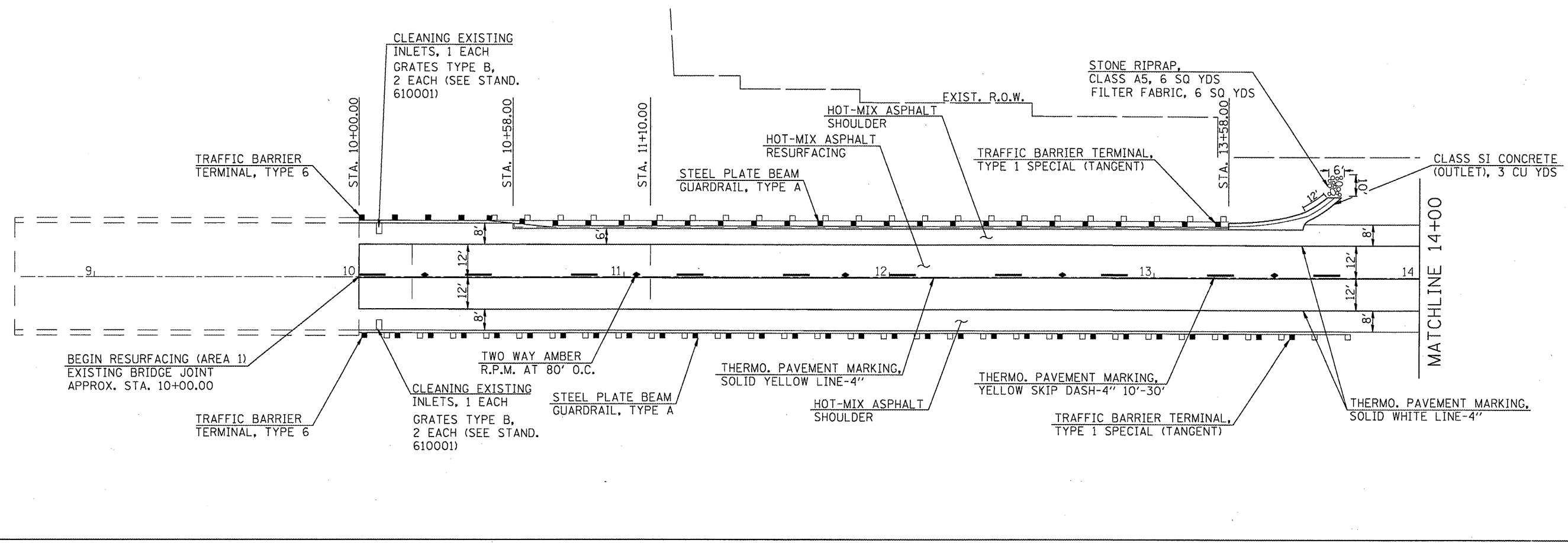
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#FILE#		DRAWN - ---	REVISED - ---			SCALE: _____	SHEET NO. ___ OF ___ SHEETS	CONTRACT NO. 76E15		FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT	
	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---			STA. _____ TO STA. _____					
	PLOT DATE = #DATE#	DATE - -----	REVISED - ---								

LOCATION			THERMOPLASTIC PAVEMENT MARKING										RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER		
			LENGTH		4"					12"	24"	LETTERS & SYMBOLS		ONE WAY AMBER	TWO WAY AMBER	ONE WAY CRYSTAL
					SOLID WHITE EDGE LINE	SOLID WHITE LANE LINE	SKIP-DASH WHITE LANE LINE	SKIP-DASH YELLOW CENTERLINE	SOLID DOUBLE YELLOW LINE - MEDIAN	SOLID YELLOW CENTER LINE	SOLID YELLOW DIAGONAL	SOLID WHITE				
STATION	TO	STATION	FOOT	FOOT			FOOT	FOOT	FOOT	FOOT	FOOT	SO FT	EACH	EACH	EACH	EACH
AREA 1)																
10+00	TO	16+40	640	1280			160		400				8		8	
AREA 2)																
19+67	TO	22+16	249	498			63		249				3		3	
22+16	TO	27+19	503	1006				2012		242			30	30		
27+19	TO	27+87	68	136												
27+87	TO	29+67	180	360	180			720		290		46.8	30	10		5
29+67	TO	33+94	427	854				1708					26	22		
33+94	TO	39+00	506	1012			127		506				6		6	
AREA 3)																
40+34	TO	41+95	161	322	150	81			300		78	31.2	13	4		4
41+95	TO	47+15	520	1040		130			1041				13	14		
47+15	TO	50+62	347	694		75		800		40			9	10		
SUB-TOTAL																
TOTALS																

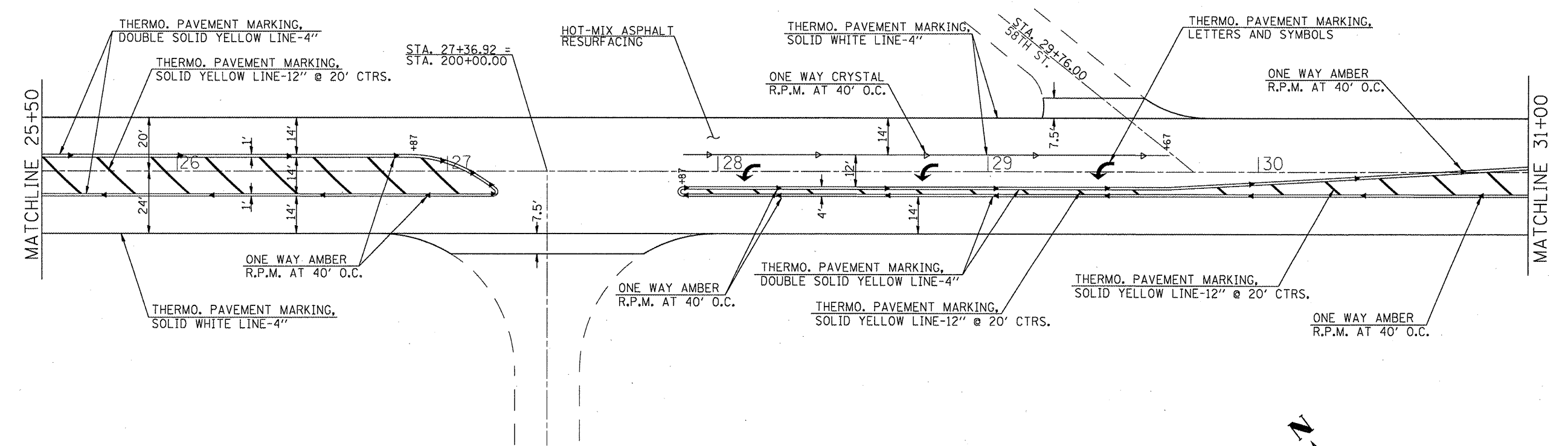
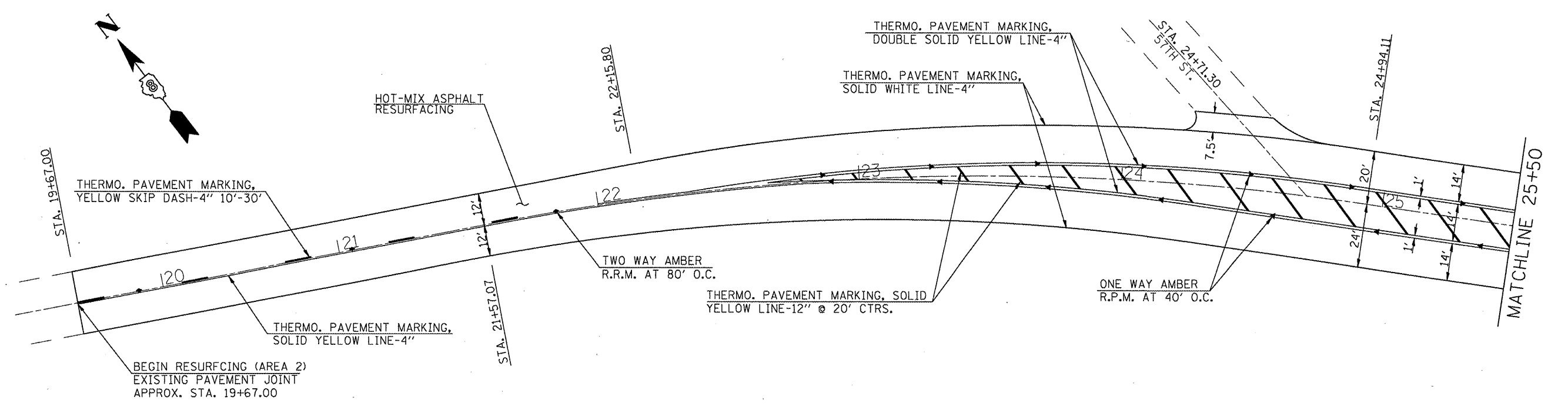
**CLASS B PAVEMENT PATCHING SCHEDULE**

LOCATION	LANE	LENGTH	WIDTH	AREA	TYPE II	TYPE III	SAWCUT	DOWELL BARS	PAVEMENT FABRIC	
STATION	EB/WB	FEET	FEET	SQ. YDS.	SO. YDS.	SO. YDS.	FEET	EACH	SO. YDS.	
<b>(AREA 1)</b>										
12+08	EB	6	12	8.0	8.0		36	20		
12+08	WB	6	12	8.0	8.0		36	20		
12+94	EB	6	12	8.0	8.0		36	20		
12+94	WB	6	12	8.0	8.0		36	20		
13+94	EB	6	12	8.0	8.0		36	20		
13+94	WB	6	12	8.0	8.0		36	20		
14+94	EB	6	12	8.0	8.0		36	20		
14+94	WB	6	12	8.0	8.0		36	20		
15+20	EB	6	12	8.0	8.0		36	20		
15+20	WB	6	12	8.0	8.0		36	20		
15+90	EB	6	12	8.0	8.0		36	20		
15+90	WB	6	12	8.0	8.0		36	20		
<b>(AREA 2)</b>				0.0						
27+36	EB	12	12	16.0		16.0	48	20	16.0	
<b>(AREA 3)</b>				0.0						
41+29	EB	6	12	8.0	8.0		36	20		
41+29	EB	6	12	8.0	8.0		36	20		
41+29	WB	6	12	8.0	8.0		36	20		
41+29	WB	6	12	8.0	8.0		36	20		
41+84	EB	6	12	8.0	8.0		36	20		
41+84	EB	6	12	8.0	8.0		36	20		
41+84	EB	6	12	8.0	8.0		36	20		
41+84	WB	6	12	8.0	8.0		36	20		
41+84	WB	6	12	8.0	8.0		36	20		
42+35	EB	6	12	8.0	8.0		36	20		
42+35	EB	6	12	8.0	8.0		36	20		
42+35	EB	6	12	8.0	8.0		36	20		
42+85	EB	6	12	8.0	8.0		36	20		
42+85	EB	6	12	8.0	8.0		36	20		
43+36	EB	6	12	8.0	8.0		36	20		
43+36	EB	6	12	8.0	8.0		36	20		
43+86	EB	6	12	8.0	8.0		36	20		
43+86	EB	6	12	8.0	8.0		36	20		
43+86	WB	6	12	8.0	8.0		36	20		
44+37	EB	6	12	8.0	8.0		36	20		
44+37	EB	6	12	8.0	8.0		36	20		
44+37	WB	10	12	13.3	13.3		44	20		
44+37	WB	6	12	8.0	8.0		36	20		
44+78	EB	6	12	8.0	8.0		36	20		
44+78	EB	6	12	8.0	8.0		36	20		
44+78	WB	6	12	8.0	8.0		36	20		
44+78	WB	6	12	8.0	8.0		36	20		
<b>SUB-TOTALS</b>						317.3	16.0	1460.0	800.0	16.0
<b>15% ANTICIPATED FAILURES</b>						47.6	2.4	219	120	2.4
<b>GRAND TOTALS</b>						365	19	1679	920	19

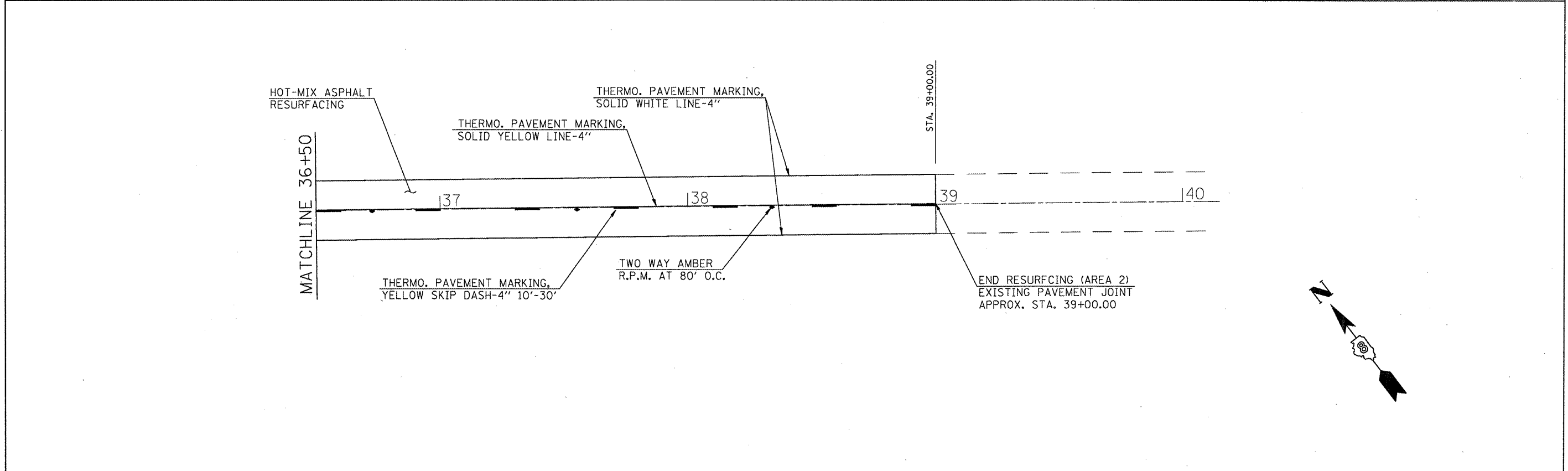
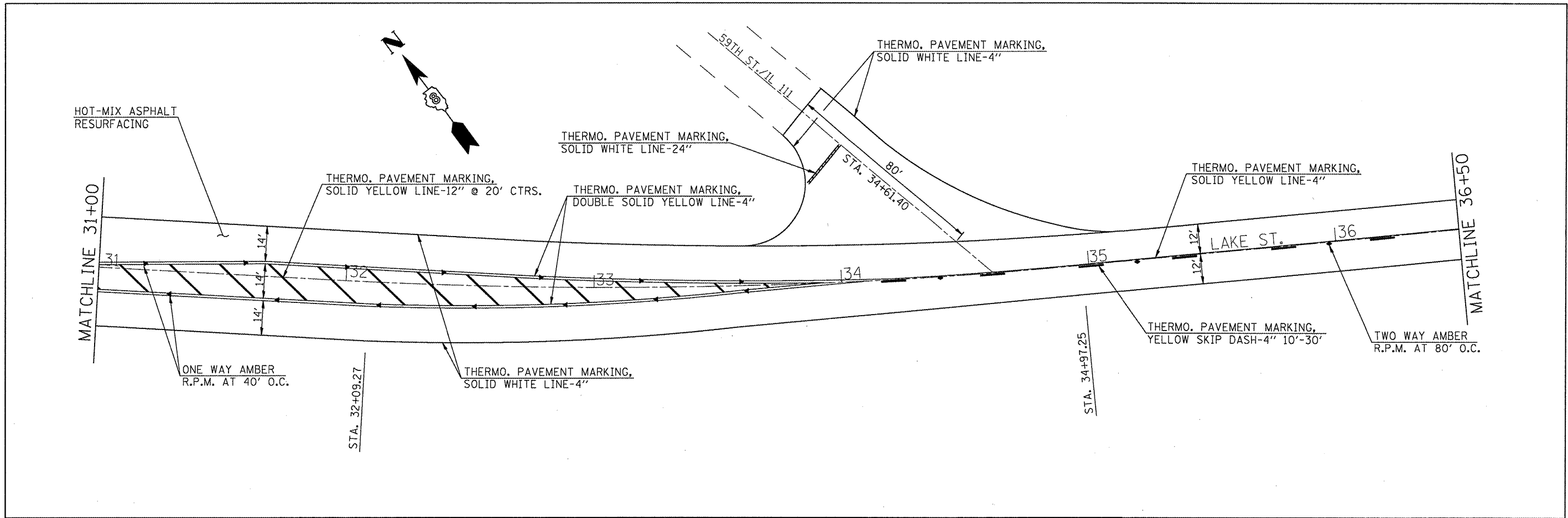
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	PLOT SCALE = #SCALE#	CHECKED - ---	REVISED - ---			SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			
	PLOT DATE = #DATE#	DATE - _____	REVISED - ---									



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PAVEMENT MARKING SHEET VIEW (AREA 1)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			9185	10-IRS-1	ST. CLAIR	25	14	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.					
	PLOT DATE = #DATE#	DATE -	REVISED -			CONTRACT NO. 76E15 ILLINOIS FED. AID PROJECT					

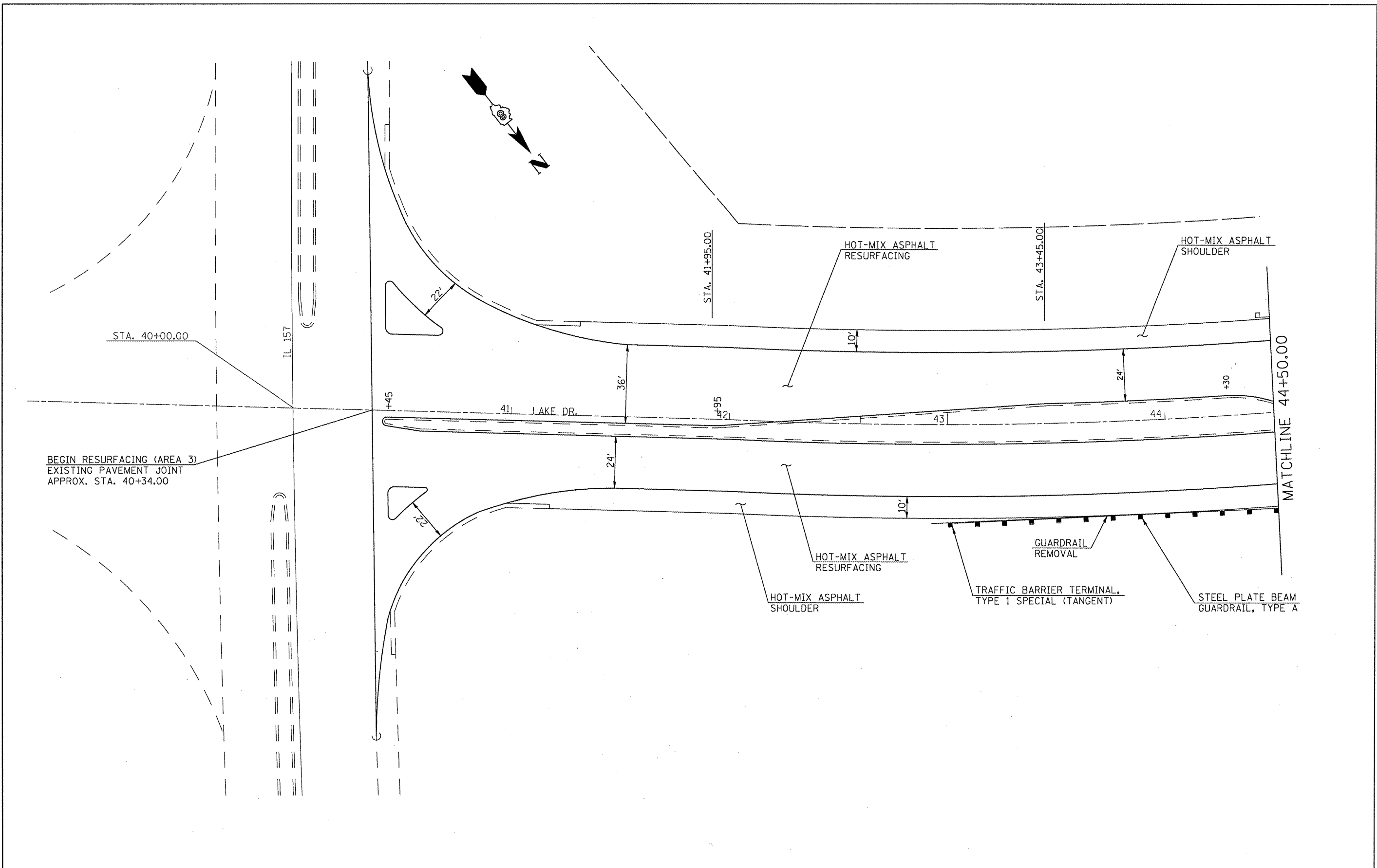


FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PAVEMENT MARKING SHEET (AREA 2)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	PLOT SCALE = #SCALE#	DRAWN -	REVISED -			9185	10-1RS-1	ST. CLAIR	25	15
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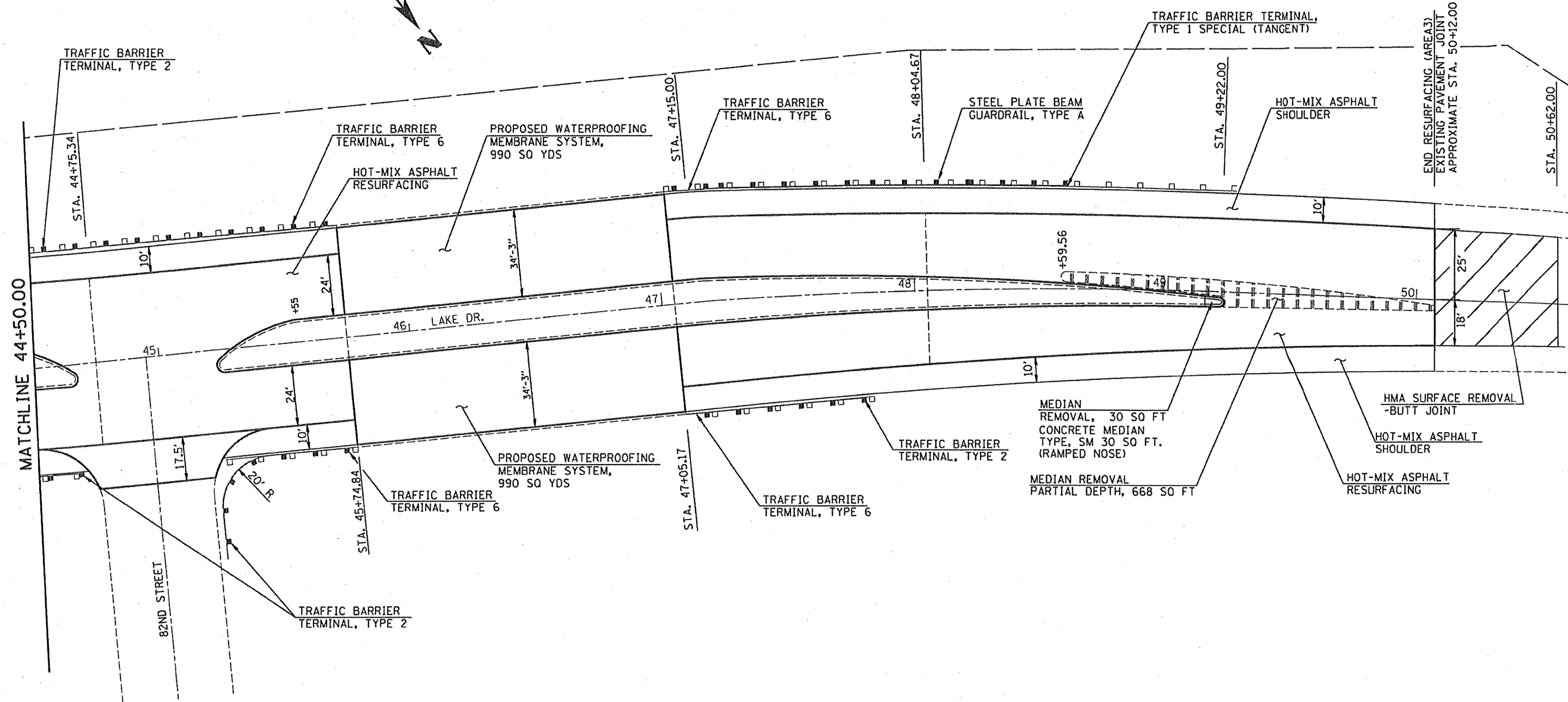
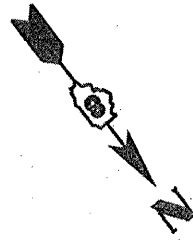


FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PAVEMENT</b> <b>MARKING SHEET (AREA 2)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			9185	10-IRS-1	ST. CLAIR	25	16	
		CHECKED -	REVISED -			CONTRACT NO. 76E15					
		DATE -	REVISED -			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>PLAN SHEET (AREA 3)</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -				9185	10-IRS-1	ST. CLAIR	25	17
	PLOT DATE = #DATE#	DATE -	REVISED -				CONTRACT NO. 76E15			ILLINOIS FED. AID PROJECT	
				SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____					



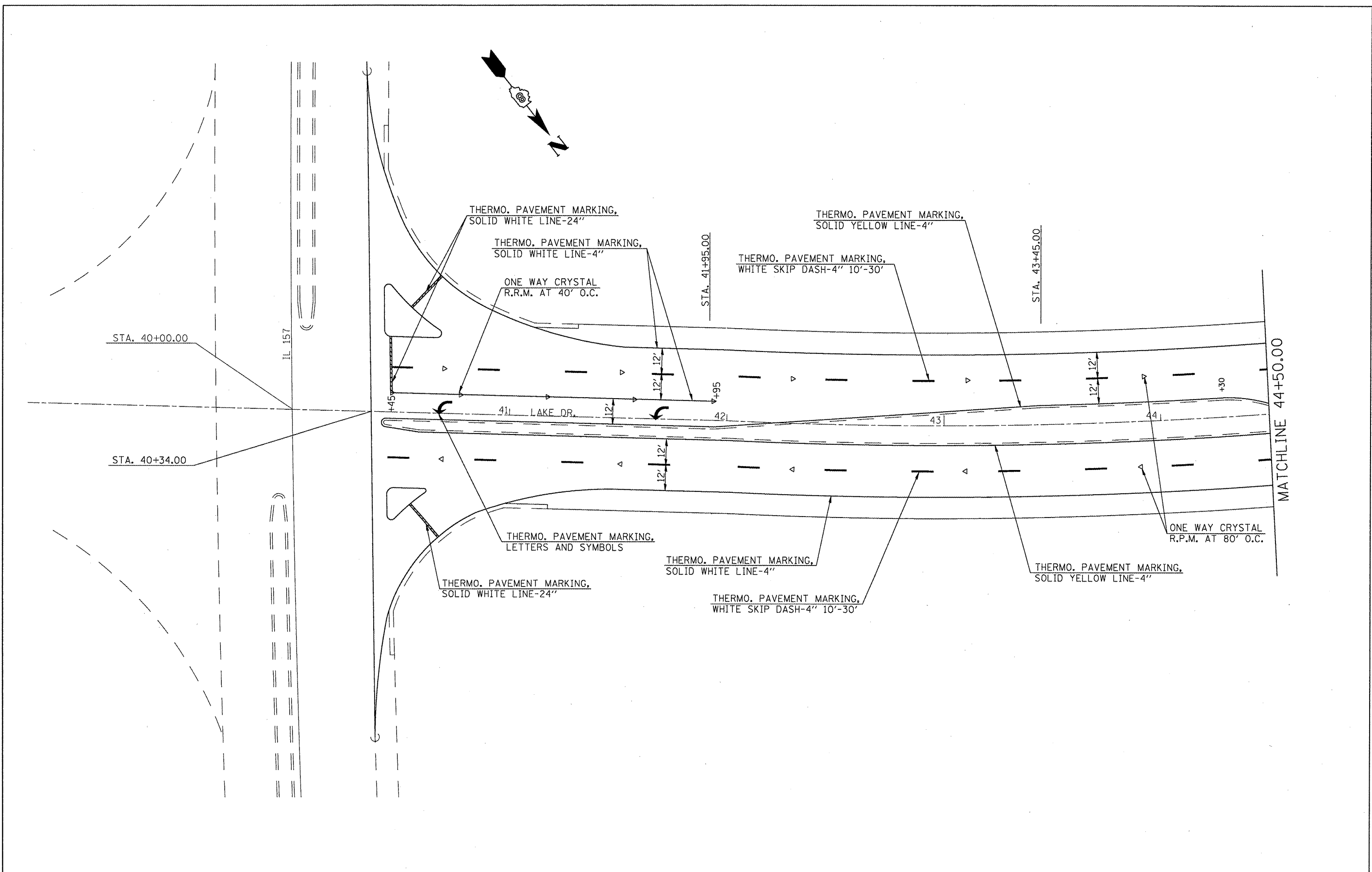
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

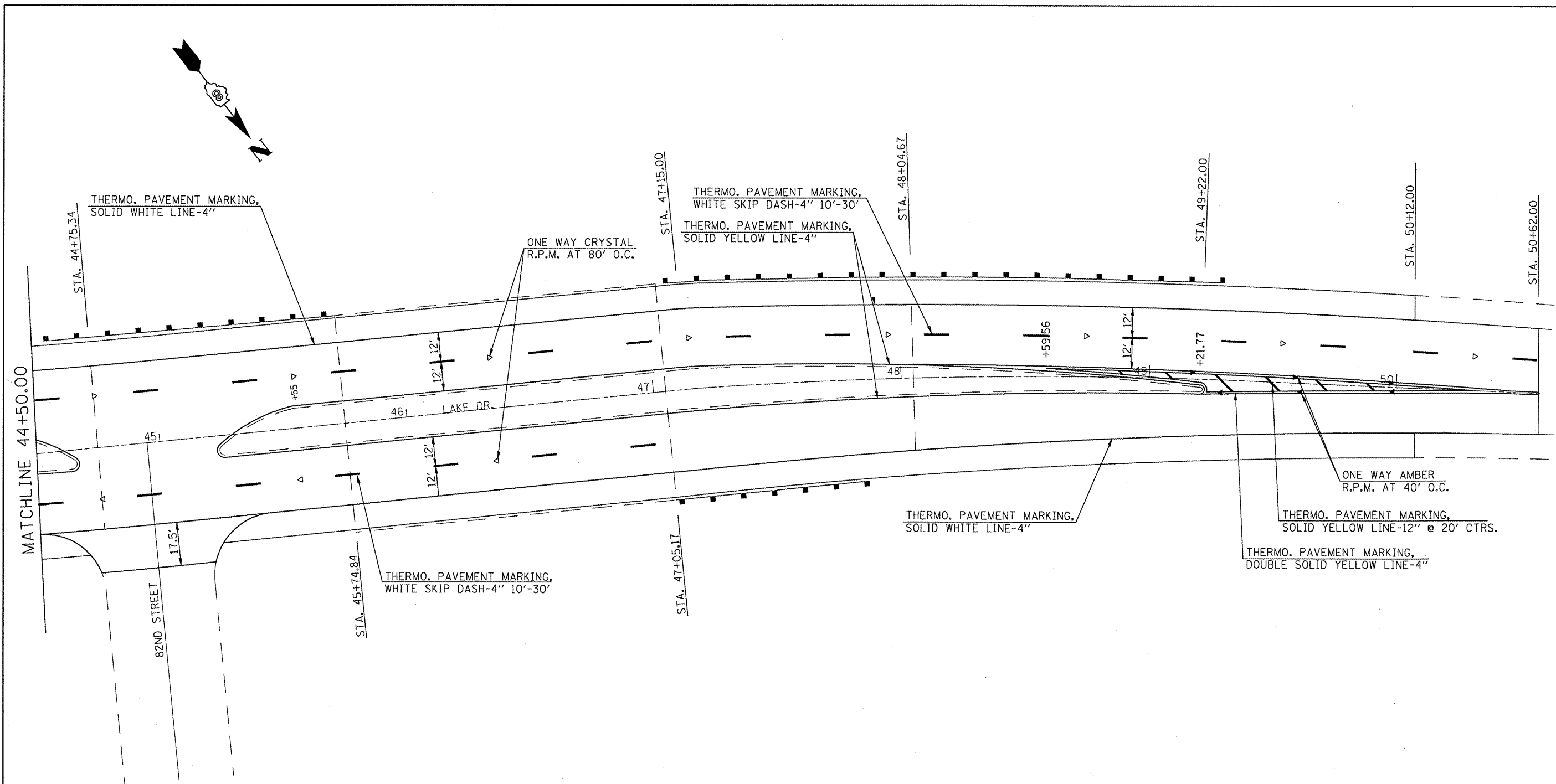
**PLAN SHEET (AREA 3)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9185	10-IRS-1	ST. CLAIR	25	18
<b>CONTRACT NO. 76E15</b>				
<small>ILLINOIS FED. AID PROJECT</small>				



FILE NAME = #FILES	USER NAME = #USER#	DESIGNED -	REVISD -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING SHEET (AREA 3)</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = #SCALE#	CHECKED -	REVISD -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	9185	10-IRS-1	ST. CLAIR	25	19
	PLOT DATE = #DATE#	DATE -	REVISD -		CONTRACT NO. 76E15							
	ILLINOIS FED. AID PROJECT											



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING SHEET (AREA 3)</b>	
SCALE: _____	SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.P. RTE. 9185	SECTION 10-IRS-1	COUNTY ST. CLAIR	TOTAL SHEETS 25	SHEET NO. 20
CONTRACT NO. 76E15			ILLINOIS FED. AID PROJECT	

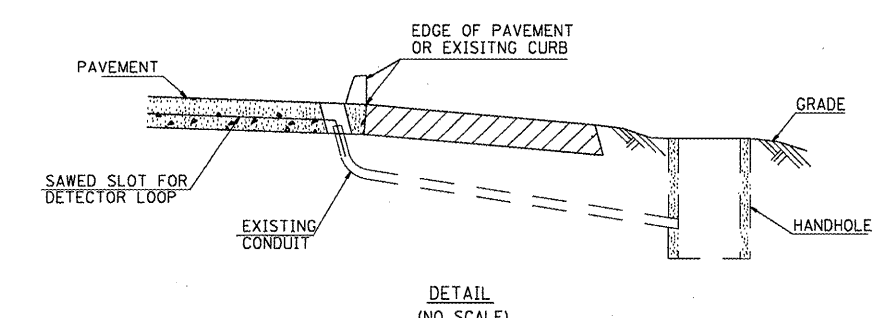
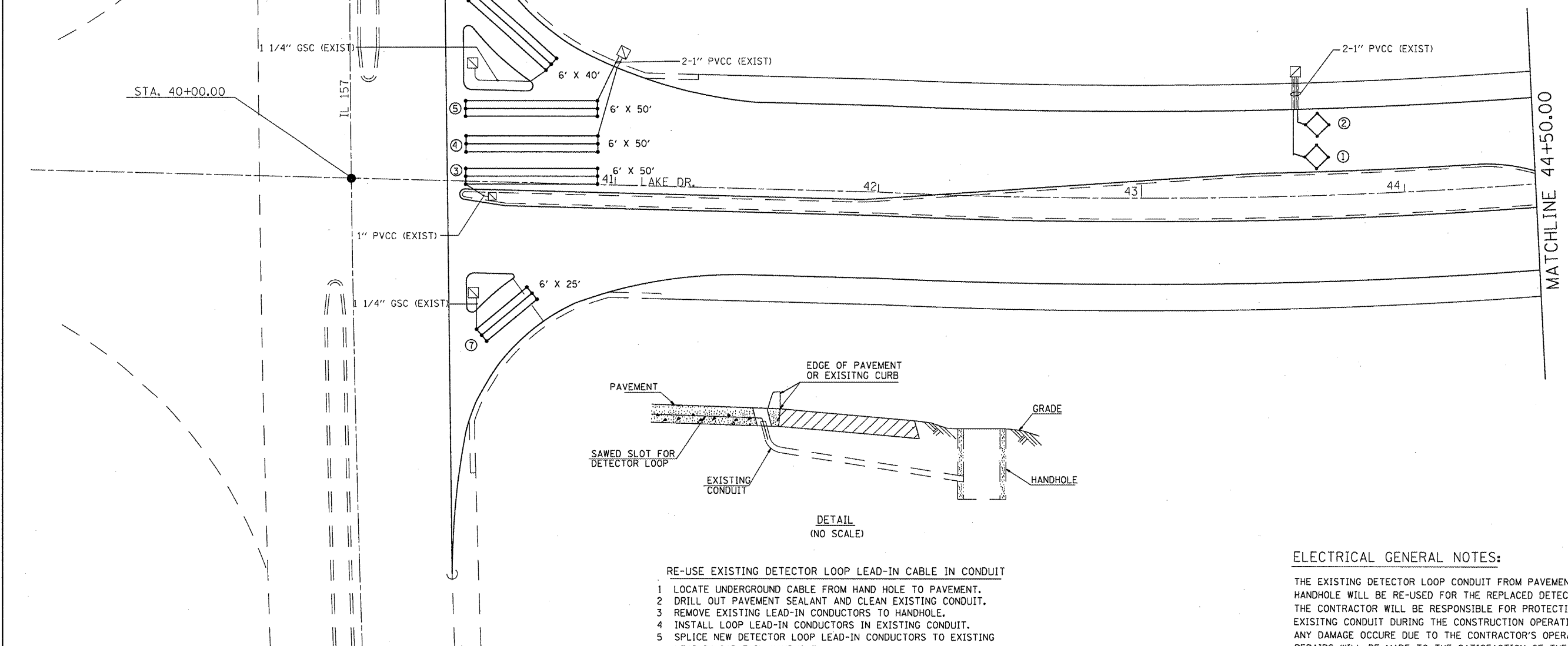
**DETECTOR LOOP REQUIREMENTS AND CALCULATIONS  
FOR IL 157 AND LAKE ROAD.**

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
WB_CCO_#1	6'X6'	7	518	3.87
WB_CCO_#2	6'X6'	7	518	3.87
WB_LT_TURN_LN_#3	6'X50'	3-6-3	835	2.70
WB_IHBU_LN_#4	6'X50'	3-6-3	866	3.40
WB_IHBU_LN_#5	6'X50'	3-6-3	866	3.40
WB_RT_TURN_LN_#6	6'X40'	3-6-3	702	2.80
NB_RT_TURN_LN_#7	6'X25'	3-6-3	453	1.79

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

**ELECTRICAL QUANTITIES:**

CODE NO.	DESCRIPTION	UNIT	QUANTITY
<del>88606600</del>	DETECTOR LOOP REPLACEMENT	FOOT	840
<del>80390100</del>	LOCATING UNDER GROUND CABLE	FOOT	50



**RE-USE EXISTING DETECTOR LOOP LEAD-IN CABLE IN CONDUIT**

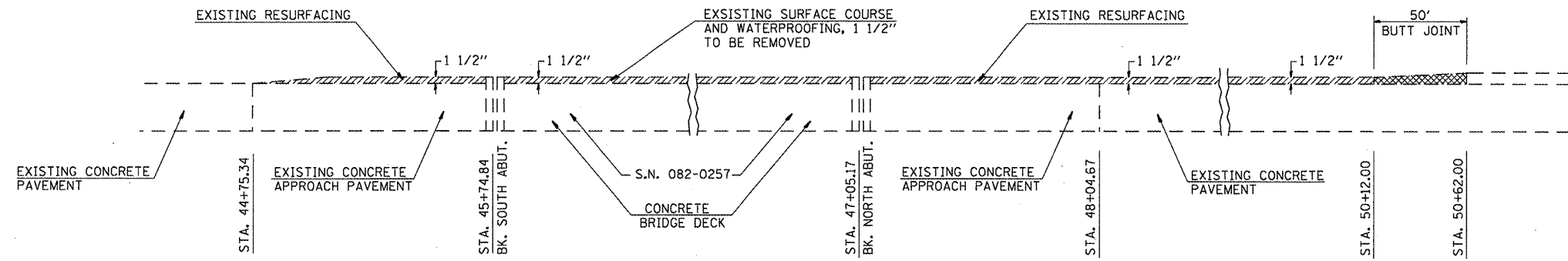
- 1 LOCATE UNDERGROUND CABLE FROM HAND HOLE TO PAVEMENT.
- 2 DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
- 3 REMOVE EXISTING LEAD-IN CONDUCTORS TO HANDHOLE.
- 4 INSTALL LOOP LEAD-IN CONDUCTORS IN EXISTING CONDUIT.
- 5 SPLICE NEW DETECTOR LOOP LEAD-IN CONDUCTORS TO EXISTING LEAD-IN CABLE IN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

THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT", EXCEPT LOCATE UNDERGROUND CABLE IS A SEPARATE PAY ITEM.

**ELECTRICAL GENERAL NOTES:**

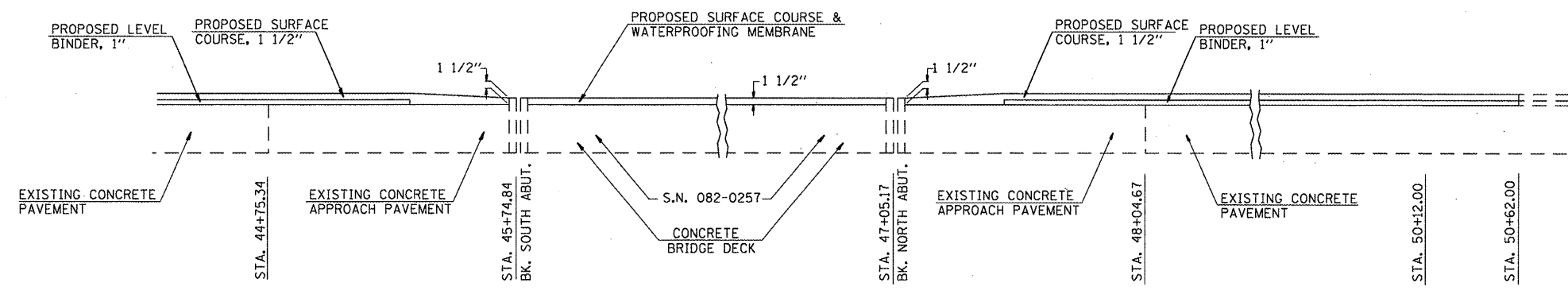
THE EXISTING DETECTOR LOOP CONDUIT FROM PAVEMENT TO THE HANDHOLE WILL BE RE-USED FOR THE REPLACED DETECTOR LOOP. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING THE EXISTING CONDUIT DURING THE CONSTRUCTION OPERATION, SHOULD ANY DAMAGE OCCURE DUE TO THE CONTRACTOR'S OPERATIONS, REPAIRS WILL BE MADE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

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - ---	REVISED - ---			9185	10-1RS-1	ST. CLAIR	25	21
		CHECKED - ---	REVISED - ---			CONTRACT NO.76E15				
		PLOT SCALE = #SCALE#				SCALE: 1/20		SHEET NO.1 OF 1 SHEETS		STA. _____ TO STA. _____
		PLOT DATE = #DATE#				FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				



- HMA SURFACE REMOVAL
- HMA SURFACE REMOVAL-BUTT JOINT

NOTE:  
 THE INTENT OF THE MILLING IS TO REMOVE  
 HMA SURFACE MATERIAL ONLY. THE UNDERLYING  
 CONCRETE PAVEMENT SHALL NOT BE DISTURBED.



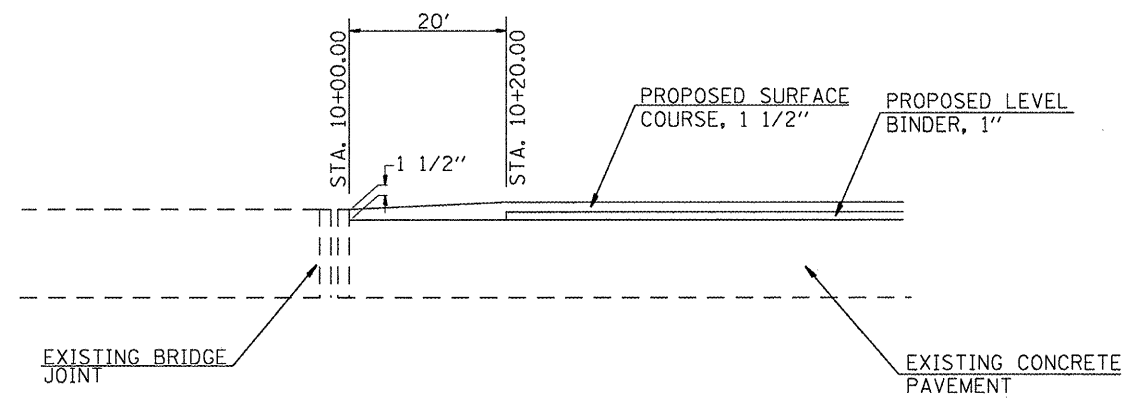
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

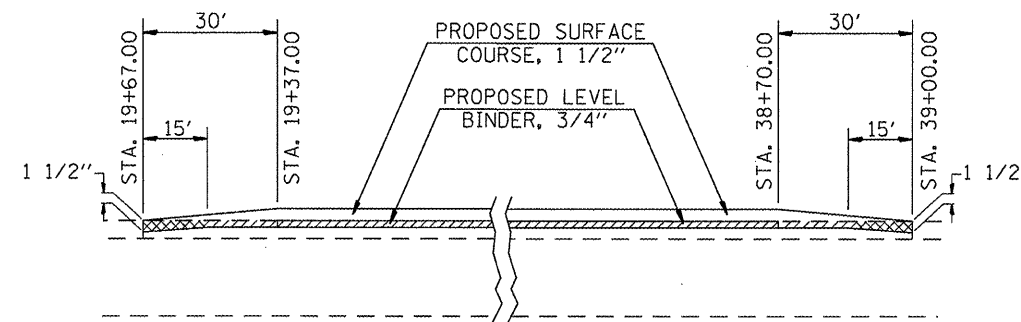
**RESURFACING DETAILS (AREA 3)**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9185	10-IRS-1	ST. CLAIR	25	22
FED. ROAD DIST. NO. _____			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76E15				



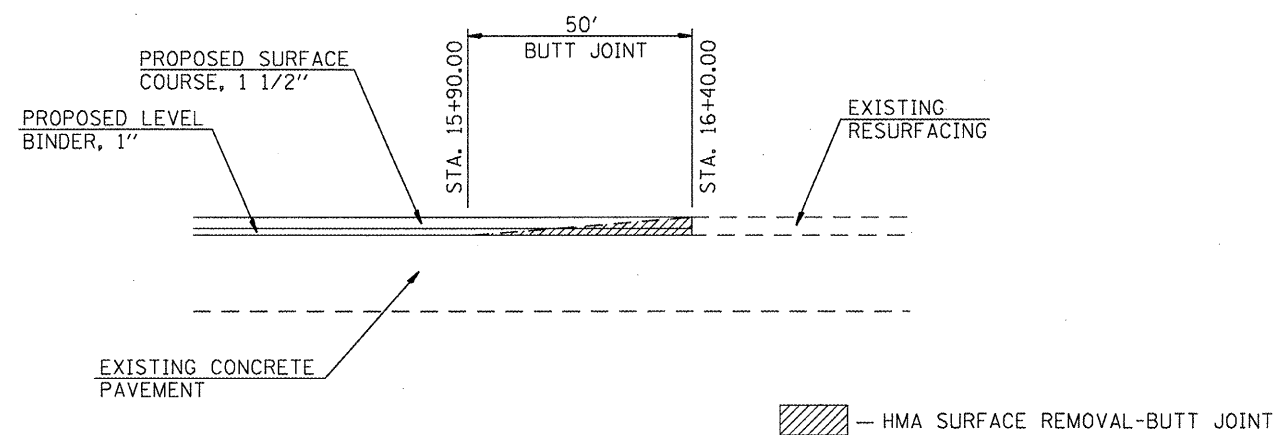
JOINT DETAIL  
(AREA 1)



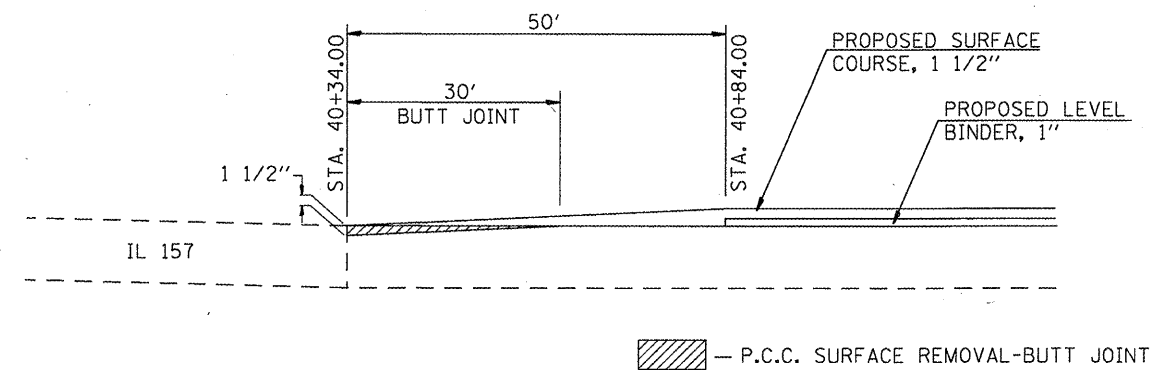
HMA BUTT JOINT DETAIL  
(AREA 2)

▨ — HMA SURFACE REMOVAL-BUTT JOINT

Note:  
USE SAME BUTT-JOINT AT END OF  
IL 111 (59TH ST.) RESURFACING.



HMA BUTT JOINT DETAIL  
(AREA 1)



P.C.C. BUTT JOINT DETAIL  
(AREA 3)

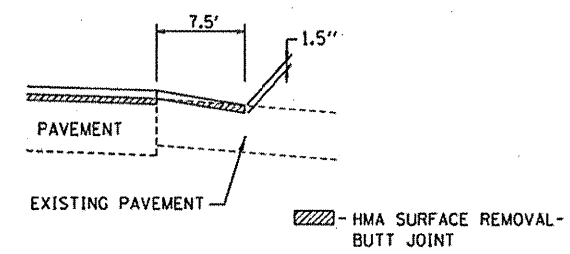
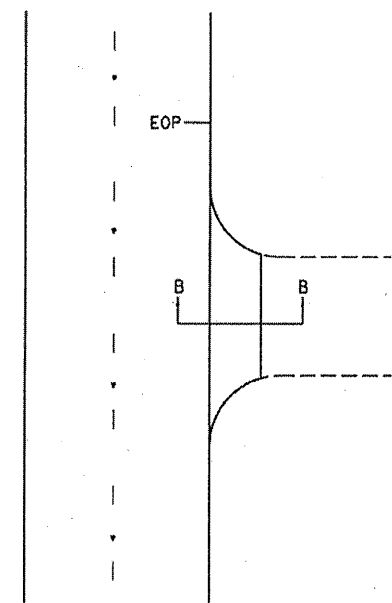
▨ — P.C.C. SURFACE REMOVAL-BUTT JOINT

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

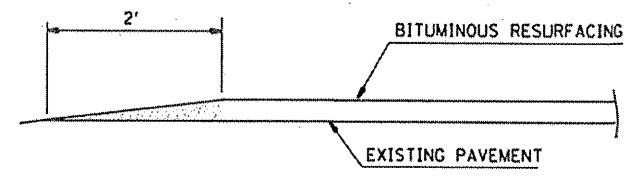
RESURFACING DETAILS

SCALE: _____	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	F.A.P. RTE. 9185	SECTION 10-IRS-1	COUNTY ST. CLAIR	TOTAL SHEETS 25	SHEET NO. 23
			FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
			CONTRACT NO. 76E15				

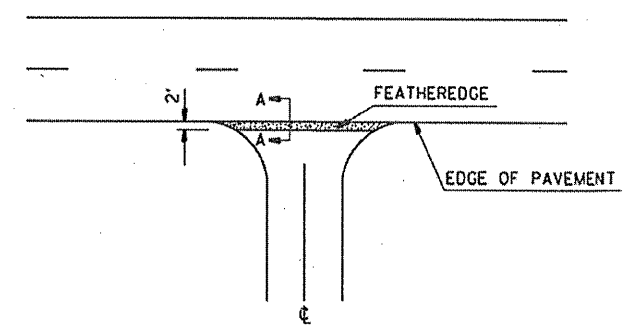


SEC B-B

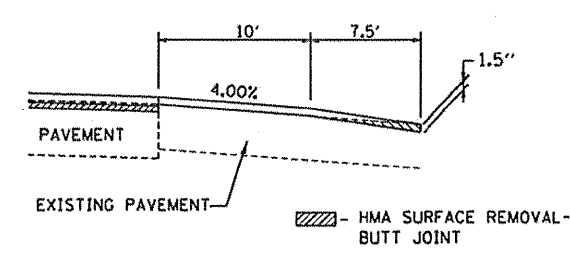
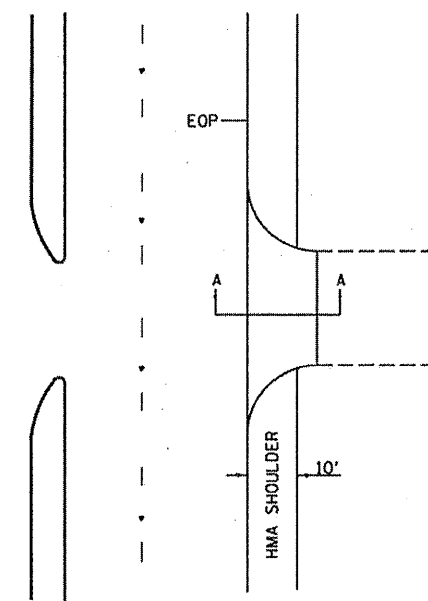
SIDE ROAD DETAIL  
(AREA 2)



FEATHEREDGE DETAIL  
SECTION A-A

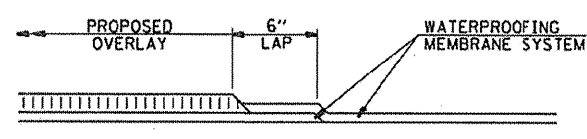


ENTRANCE DETAIL



SEC A-A

SIDE ROAD DETAIL  
(AREA 3)



WATERPROOFING  
LAP DETAIL

\* TO BE USED IN ORDER TO KEEP ONE LANE (12' MIN.) OF TRAFFIC OPEN IN EACH DIRECTION AT ALL TIMES.

FILE NAME =	USER NAME = dntalmanjn	DESIGNED -	REVISED -
0:\pwwork\pwwork\dntalmanjn\019883	0876a15-sh1-plan.dgn	DRAWN -	REVISED -
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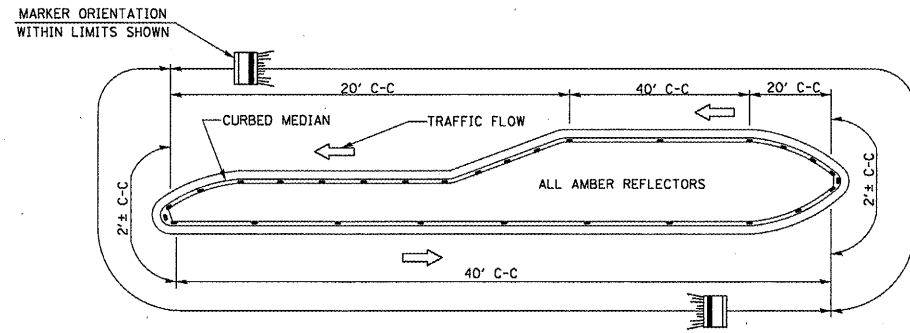
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS**

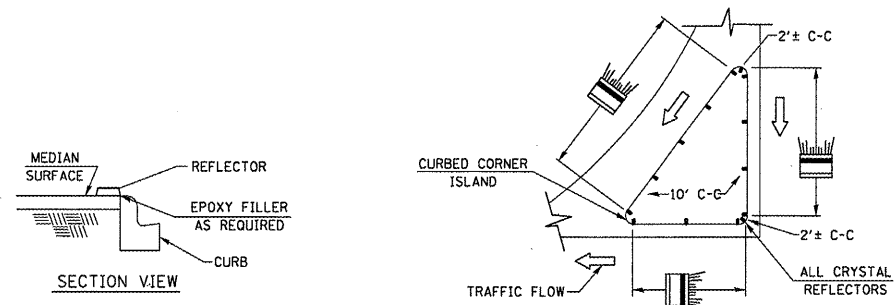
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9165	10-1RS-1	ST. CLAIR	25	24
CONTRACT NO. 76E15				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

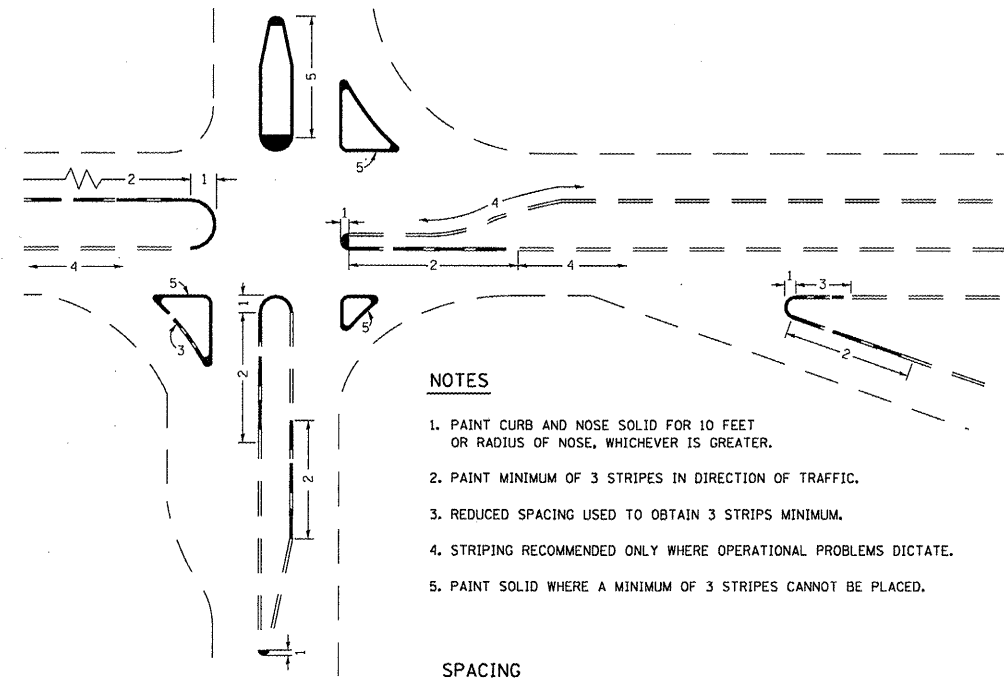




- NOTES**
1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
  2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
  3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.



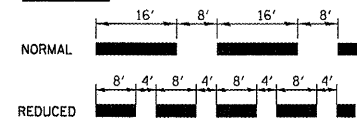
TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS  
(NO SCALE)



**NOTES**

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

**SPACING**



**CURB MARKING**

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9185	10-IRS-1	ST. CLAIR	25	25
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 76E15	