

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

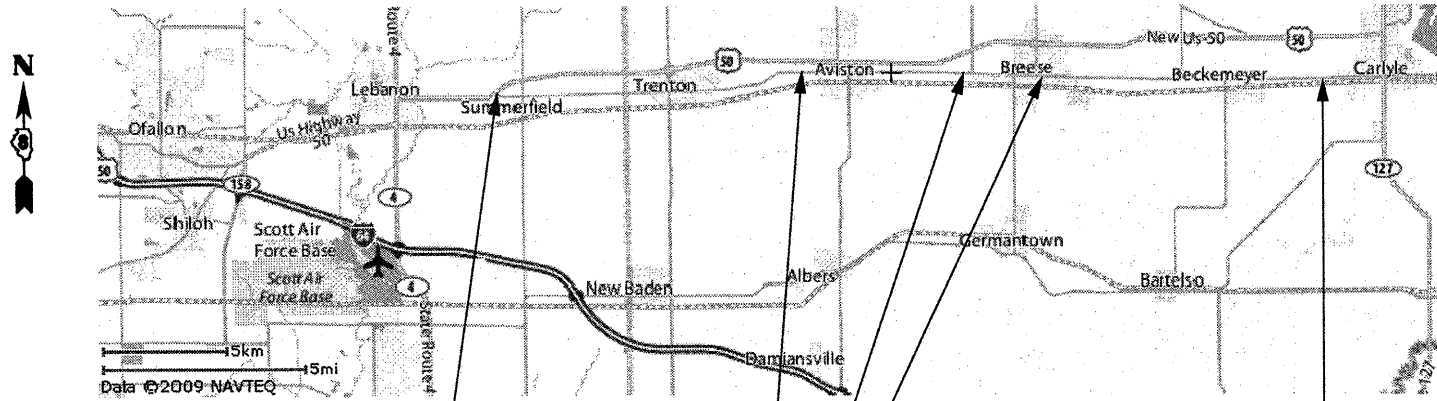
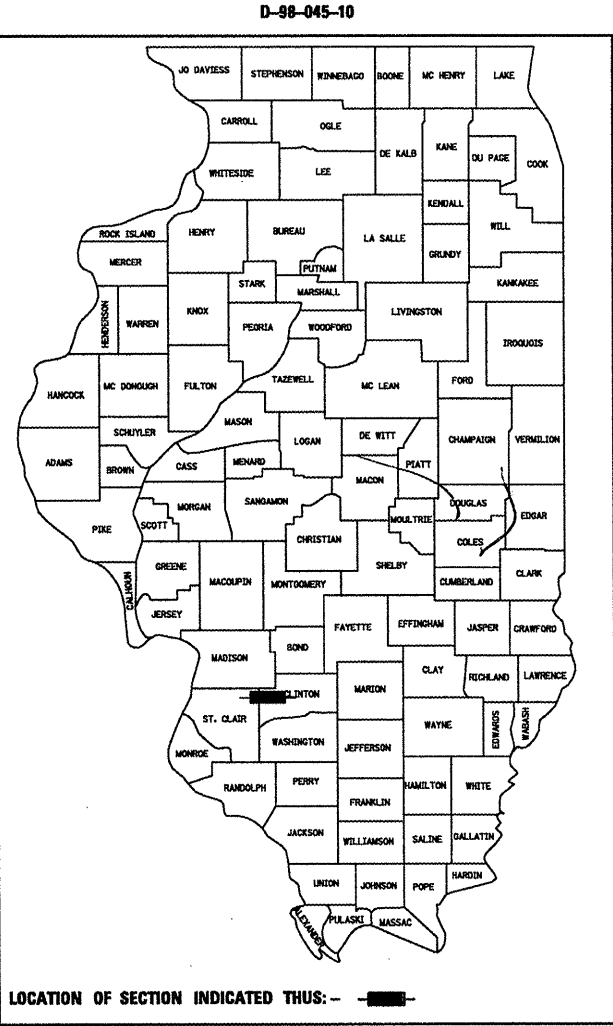
PROPOSED
HIGHWAY PLANS

FAS ROUTE 1780 (OLD US 50)
SECTION DIST 8 RESURFACING 2010-3
PROJECT: RS-1780(122)
RESURFACING & PAVEMENT REPLACEMENT
ST. CLAIR, CLINTON COUNTY

C-98-058-10

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	DIST 8 RESURFACING 2010-3	ST. CLAIR, CLINTON	33	1
ILLINOIS			CONTRACT NO. 76D77	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

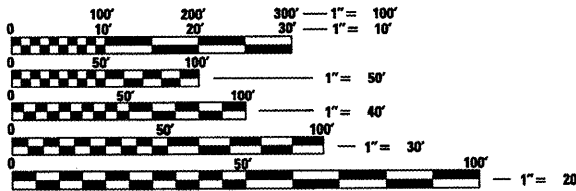


BEGINNING OF SECTION
LOCATION 1 STA. 10+00
Latitude: 38 36' 19.25" N
Longitude: 89 45' 47.72" W

END OF SECTION
LOCATION 3 STA. 145+97
Latitude: 30 36' 33.31" N
Longitude: 89 25' 17.27" W

BRIDGE AND URBAN AREA
OMISSIONS
SEE SHEETS 12 & 13 FOR
DETAILED LOCATIONS

2005 ADT = 10500 (ACTUAL)
 2010 ADT = 11000 (ESTIMATED)
 2020 ADT = 12100 (ESTIMATED)
 SU = 6.7% MU = 1.7%



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

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

PROJECT ENGINEER: TIM PADGETT (618) 346-3284
PROJECT MANAGER: MIKE LANTER (618) 304-9946

CONTRACT NO. 76D77

GROSS LENGTH = 19.900 MILE
 NET LENGTH = 13.168 MILE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED January 29, 2010
Mary C. Janis
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 19, 2010
Scott E. Stitt, P.E.
 ACTING ENGINEER OF DESIGN AND ENVIRONMENT
March 19, 2010
Christine M. Reeder
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

INDEX OF SHEETS

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2. INDEX OF SHEETS AND STANDARDS
GENERAL NOTES AND COMMITMENTS
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11. - 14. LOCATION MAP(S)
15. - 21. PAVEMENT REPLACEMENT
22. - 28. PAVEMENT MARKING DETAILS
29. - 30. MISCELLANEOUS DETAILS
31. - 32. DETECTOR LOOPS
33. ELECTRICAL GENERAL NOTES AND DETAILS

STANDARDS

- 000001-05
- 001006
- 420001-07
- 420101-04
- 420111-02
- 482011-03
- 630001-08
- 630301-05
- 635006-03
- 635011-02
- 701001-02
- 701006-03
- 701011-02
- 701201-03
- 701301-03
- 701306-02
- 701311-03
- 701326-03
- 701501-05
- 701502-03
- 701901-01
- 780001-02
- 781001-03
- 886001-01
- 886006-01

1. SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.
2. IF ANY SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
3. MIXTURES FOR JOINTS, CRACKS, AND FLANGWAYS SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
4. THE USE OF VIBRATORY ROLLERS IS PROHIBITED IN RESIDENTIAL AREAS. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE BITUMINOUS PAVEMENTS AS SPECIFIED IN THE APPROPRIATE SECTIONS OF THE STANDARD SPECIFICATIONS.
5. 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 BITUMINOUS MIXTURE IS PLACED.
6. THE THICKNESS OF HMA SURFACE REMOVAL IS THE REMOVAL DEPTH AT THE CENTERLINE. THE REMOVAL DEPTH VARIES FROM 1-1/2" TO 2-1/4". AN ESTIMATED 16636 TONS OF HMA SURFACE WILL BE REMOVED.
7. 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:
MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY *. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
8. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
9. EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.
10. 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.
11. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
12. ALL DRILLING, BARS, AND EXPANSION JOINTS REQUIRED SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PCC PAVEMENT 9" JOINTED.
13. THE PROPOSED PAVEMENT MARKINGS SHALL MATCH THE EXISTING PAVEMENT MARKINGS.
14. THE EXISTING DETECTOR LOOP CONDUIT MAY BE DAMAGED DURING THE MILLING AND PAVEMENT REMOVAL. THE CONTRACTOR SHALL REPAIR THE CONDUIT TO THE SATISFACTION OF THE ENGINEER. THE COSTS OF THE REPAIR SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR DETECTOR LOOP REPLACEMENT.
15. ALL EARTH EXCAVATION PERFORMED FOR THE CONSTRUCTION OF THE SAFETY SHOULDERS SHALL BE INCLUDED IN THE COST OF HMA BASE COURSE WIDENING 9".
16. ALL EARTH EXCAVATION PERFORMED FOR THE PAVEMENT REPLACEMENT IN THE CITY OF BREESE SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.

18. WHEN THE RIPRAP AT LOCATION #1 IS PLACED FROM STA. 34+46 TO STA. 36+86 LT. THE CONTRACTOR SHALL PULL BACK THE GUARDRAIL POSTS TO VERTICAL POSITION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR WILL BE REQUIRED TO PERFORM SOME DIRT WORK TO PROVIDE A MINIMUM OF A 2 FOOT TURF SHOULDER OUTSIDE THE 2 FOOT AGGREGATE WEDGE SHOULDER FROM STA. 34+46 TO STA. 35+86 LT. ALL OF THIS WORK REQUIRED SHALL BE CONSIDERED INCIDENTAL TO THE PAY ITEM STONE DUMPED RIPRAP, CLASSA3 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE DETAIL SHEET #29 FOR THIS WORK.
19. WHEN A SIDE ROAD IS CLOSED THE CONTRACTOR SHALL PLACE TYPE 3 BARRICADES WITH A ROAD CLOSED SIGN & NECESSARY LIGHTING ACROSS THE SIDE ROAD. THE NUMBER OF BARRICADES SHALL BE THE AMOUNT NEEDED TO PREVENT VEHICLES FROM DRIVING AROUND THE CLOSURE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM TRAFFIC CONTROL AND PROTECTION STANDARD 701502.
20. ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS.
21. ROAD CONSTRUCTION AHEAD SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE (48") FLUORESCENT ORANGE.
22. FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE APPLIED.
23. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

ADT (Constructio	11000
MUZ:	6.7
SUZ:	1.7
20 YR. ESAL'S:	4.12

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

PLANQUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATEDUSING A UNIT WEIGHT OF 112 LB/SOYD/IN (59.8 KG/SQ M/25 MM THICKNESS).

24. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, LEVELING BINDER, AND FINAL SURFACE. ONLY REMOVAL FROM THE FINAL SURFACE WILL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL

COMMITMENTS

NO COMMITMENTS

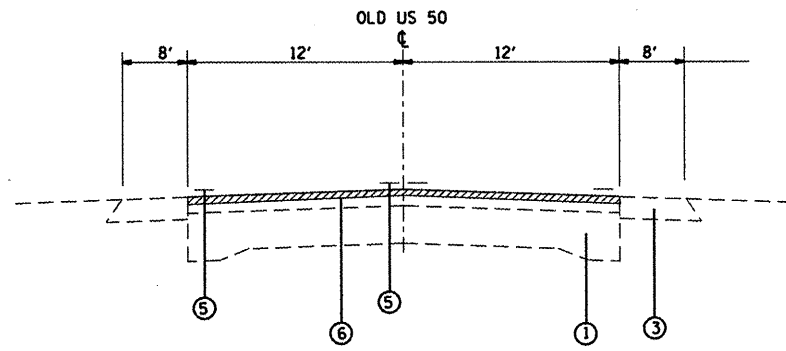
UTILITY	ABOVE GROUND	BELOW GROUND
* AMERENIP (GAS AND ELECTRIC)	X	X
* AT & T ILLINOIS	X	X
* VILLAGE OF AVISTON (WATER AND SANITARY SEWER)		X
* VILLAGE OF BECKEMEYER (WATER AND SANITARY SEWER)		X
* CITY OF BREESE (WATER, ELECTRIC, AND SANITAR	X	X
* CITY OF CARLYLE (WATER AND SANITARY SEWER)		X
* CARLYLE NORTH WATER DEPARTMENT		X
* CARLYLE SOUTHWEST PUBLIC WATER DISTRICT		X
* CENTERPOINT ENERGY (PIPELINE)		X
* CHARTER COMMUNICATIONS (CABLE TV)	X	X
* CLINTON COUNTY ELECTRIC COOP	X	
* KINDER MORGAN (PIPELINE)		X
* OWEST SOLUTIONS CENTER (COMMUNICATIONS)		X
* SLM WATER COMMISSION		X
* ST. ROSE PUBLIC WATER DISTRICT		X
* VILLAGE OF SUMMERFIELD (WATER AND SANITARY SEWER)		X
* CITY OF TRENTON (WATER AND SANITARY SEWER)		X
* TRI-TOWNSHIP PARK DISTRICT (WATER)		X
* VERIZON NORTH, INC. (COMMUNICATIONS)	X	X

FILE NAME *	USER NAME * #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES, COMMITMENTS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			1780	DISTRRESURFACING2010-3	ST. CLAIR, CLINTON	33	2	
		CHECKED -	REVISED -			CONTRACT NO. 76D77					
		DATE -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			80% FED. 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		SUMMARY OF QUANTITIES			80% FED. 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		1000-2A ST. CLAIR	1000-2A CLINTON	CODE NO	ITEM	UNIT		1000-2A ST. CLAIR	1000-2A CLINTON
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	140	140		70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	400		400
35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	4644		4644	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	298		298
35600712	HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	SQ YD	498		498	70300280	TEMPORARY PAVEMENT MARKING-LINE 24"	FOOT	19	19	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	61.7	13.7	48	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2488	545	1943
40600300	AGGREGATE (PRIME COAT)	TON	295.6	65.5	230.1	*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	665.6		665.6
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	8331	1835	6496	*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	178182	38454	139728
40600990	TEMPORARY RAMP	SQ YD	455	27	428	*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	400		400
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	16774	3680	13094	*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	298		298
42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	4644		4644	*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	19	19	
44000100	PAVEMENT REMOVAL	SQ YD	4644		4644	*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1027	205	822
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	184383	43680	140703	*78200410	GUARDRAIL MARKERS, TYPE A	EACH	12		12
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	9114		9114	*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1		1
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	5160		5160	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1010	191	819
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2266	560	1706	*80300100	LOCATING UNDERGROUND CABLE	FOOT	125		125
*63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	912.5		912.5	*88600600	DETECTOR LOOP REPLACEMENT	FOOT	1886		1886
*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1		1						
63200310	GUARDRAIL REMOVAL	FOOT	987.5		987.5						
*63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	25		25						
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10		10						
67100100	MOBILIZATION	L SUM	1		1						
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1						
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1						
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1		1						
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1						
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1		1						
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60		60						
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	29874	6552	23322						
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	655.6		655.6						
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	178182	38454	139728						

** Specialty Items*

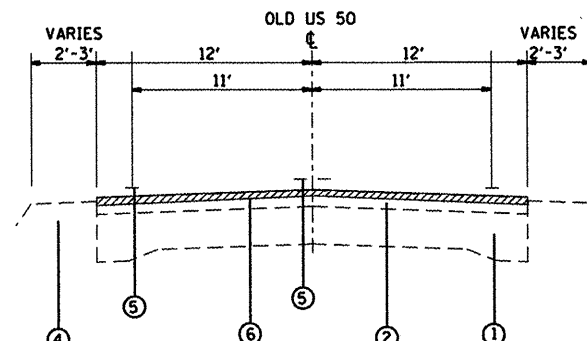


EXISTING TYPICAL SECTION W/REMOVAL

FAS 1780 (OLD US 50)

LOCATION 1

STA. 10+00 TO STA. 22+48

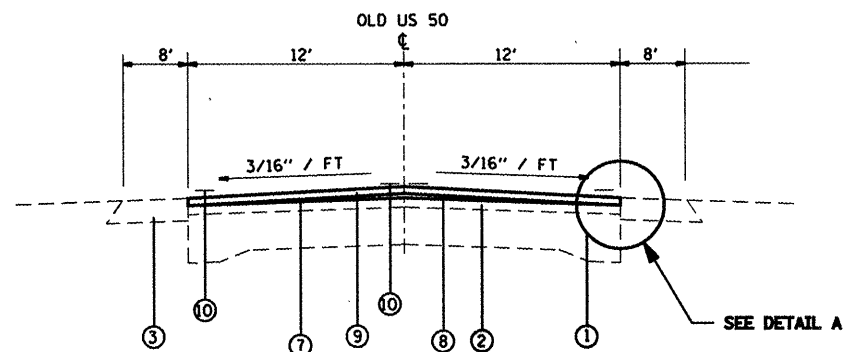


EXISTING TYPICAL SECTION W/REMOVAL

FAS 1780 (OLD US 50)

LOCATION 1

STA. 22+48 TO STA. 173+80

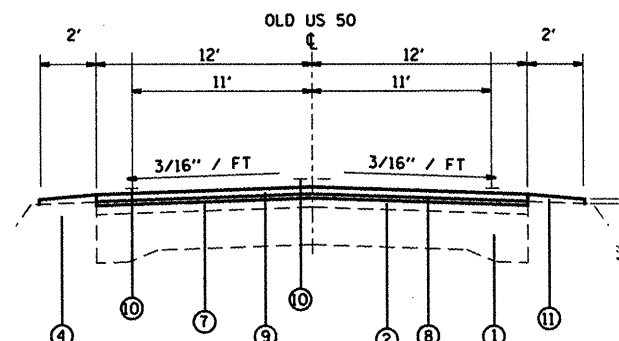


PROPOSED TYPICAL SECTION

FAS 1780 (OLD US 50)

LOCATION 1

STA. 10+00 TO STA. 22+48

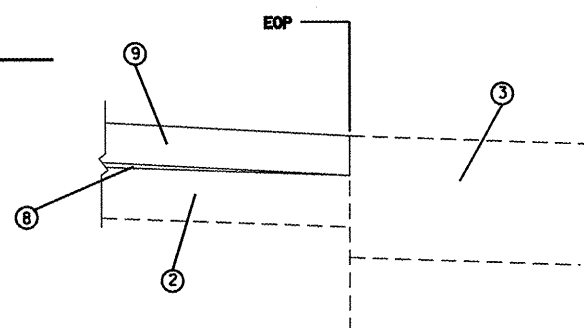


PROPOSED TYPICAL SECTION

FAS 1780 (OLD US 50)

LOCATION 1

STA. 22+48 TO STA. 173+80



DETAIL A

LEVEL BINDER THICKNESS VARIES FROM 3/4" @ CENTERLINE TO 0" @ EDGE OF PAVEMENT

LEGEND

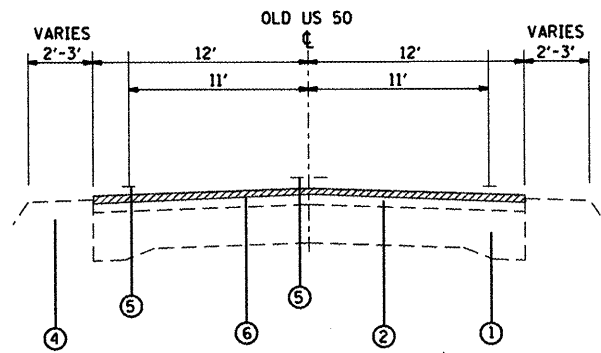
- ① EXISTING PAVEMENT
- ② EXISTING RESURFACING
- ③ EXISTING HMA SHOULDER
- ④ EXISTING TURF SHOULDER
- ⑤ EXISTING PAVEMENT MARKINGS
- ⑥ PROPOSED HMA SURFACE REMOVAL 1 1/2"
- ⑦ PROPOSED PRIME COAT (BITUMINOUS & AGGREGATE)
- ⑧ PROPOSED LEVELING BINDER (MACHINE METHOD) 3/4"
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 1 1/2"
- ⑩ PROPOSED THERMOPLASTIC PAVEMENT MARKINGS
- ⑪ PROPOSED AGG WEDGE SHOULDER TYPE B

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	PLDT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 1 TYPICAL SECTIONS		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET NO. OF SHEETS	1780	DIST 8 RESURFACING 2010-3	ST. CLAIR, CLINTON	33	4
STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				

CONTRACT NO. T6D77

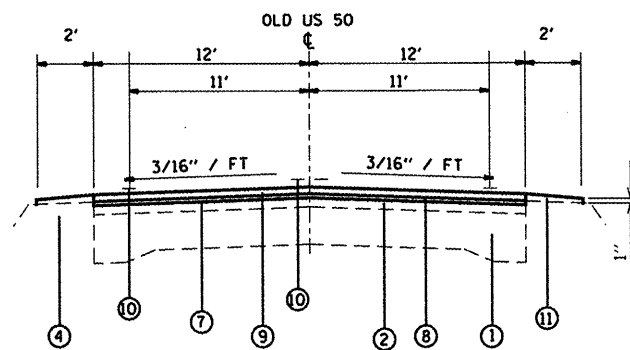


EXISTING TYPICAL SECTION W/REMOVAL

FAS 1780 (OLD US 50)

LOCATION 2

STA. 120+58 TO STA. 478+88
STA. 32+92 TO STA. 54+20

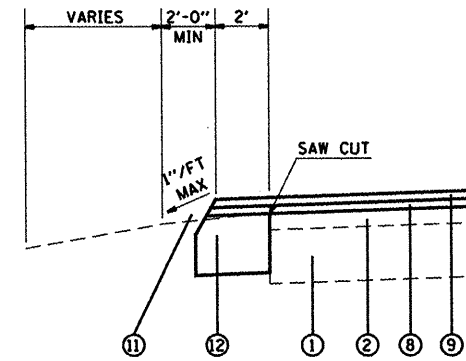


PROPOSED TYPICAL SECTION

FAS 1780 (OLD US 50)

LOCATION 2

STA. 120+58 TO STA. 478+88
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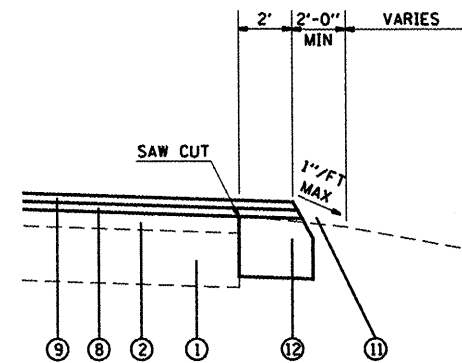


PROJECT LEFT WIDENING DETAIL

FAS 1780 (OLD US 50)

LOCATION 2

STA. 410+43 TO STA. 423+23



PROJECT LEFT WIDENING DETAIL

FAS 1780 (OLD US 50)

LOCATION 2

STA. 438+03 TO STA. 448+03

LEGEND

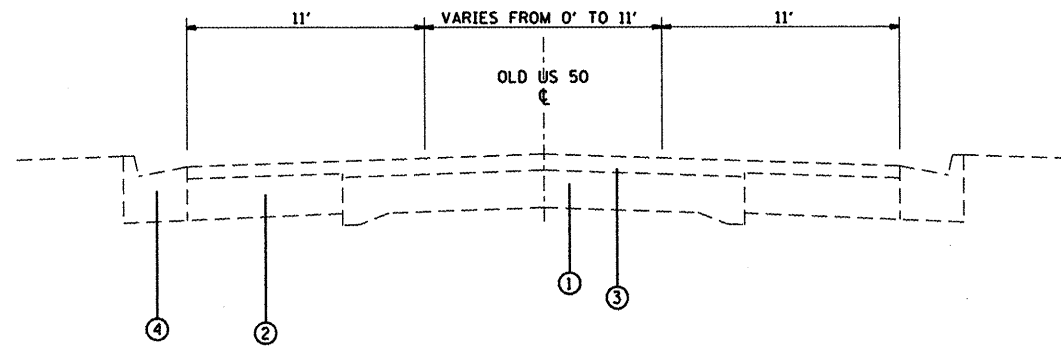
- ① EXISTING PAVEMENT
- ② EXISTING RESURFACING
- ③ EXISTING HMA SHOULDER
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- ⑩ PROPOSED THERMOPLASTIC PAVEMENT MARKINGS
- ⑪ PROPOSED AGG WEDGE SHOULDER TYPE B
- ⑫ PROPOSED HMA BASE COURSE WIDENING, 9"

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	PLDT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 2 TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	DIST 8 RESURFACING 2010-3	ST. CLAIR, CLINTON	33	5
CONTRACT NO. 76D77				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

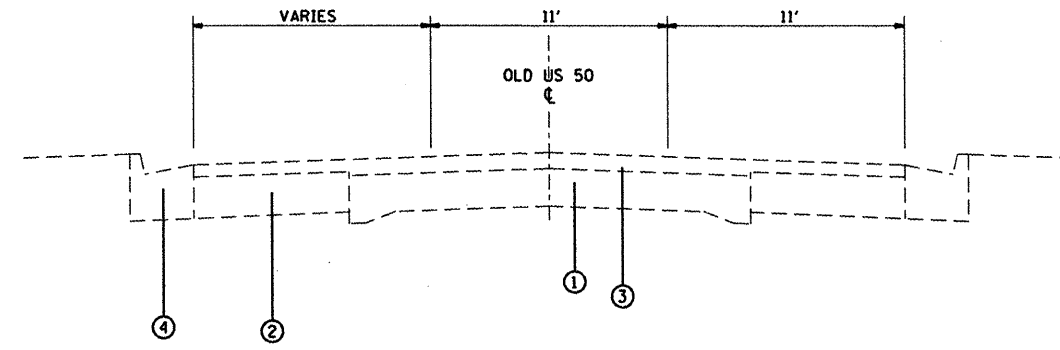


EXISTING TYPICAL SECTION

FAS 1780 (OLD US 50)

LOCATION 2

STA. 85+05 TO STA. 116+94
MIDDLE LANE WIDTH IS CONSTANT @ 11'
STA. 116+94 TO STA. 120+58
MIDDLE LANE WIDTH VARIES FROM 0' TO 11'

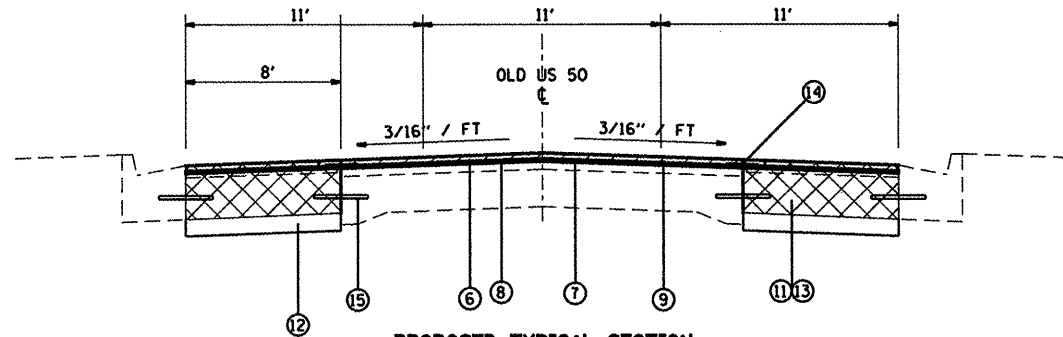


EXISTING TYPICAL SECTION

FAS 1780 (OLD US 50)

LOCATION 2

STA. 110+00 TO STA. 111+70

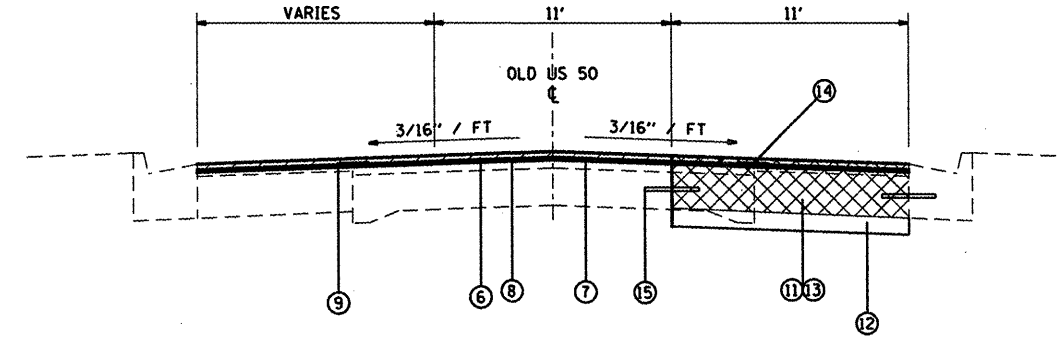


PROPOSED TYPICAL SECTION

FAS 1780 (OLD US 50)

LOCATION 2

STA. 85+05 TO STA. 110+00

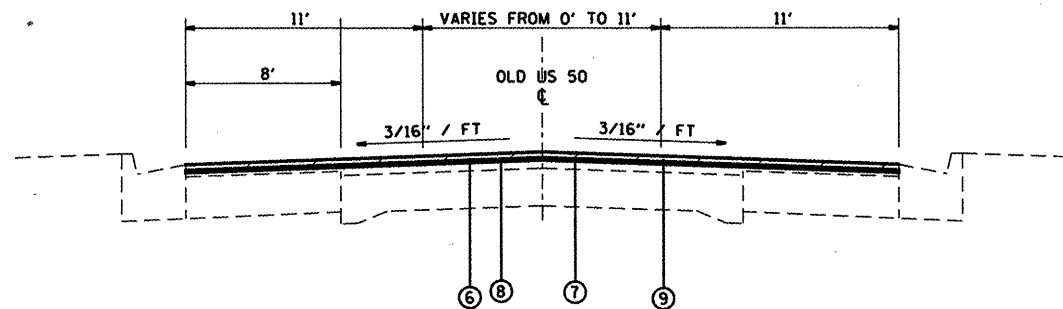


PROPOSED TYPICAL SECTION

FAS 1780 (OLD US 50)

LOCATION 2

STA. 110+00 TO STA. 111+70



PROPOSED TYPICAL SECTION

FAS 1780 (OLD US 50)

LOCATION 2

STA. 85+05 TO STA. 116+94
MIDDLE LANE WIDTH IS CONSTANT @ 11'
STA. 116+94 TO STA. 120+58
MIDDLE LANE WIDTH VARIES FROM 0' TO 11'

LEGEND

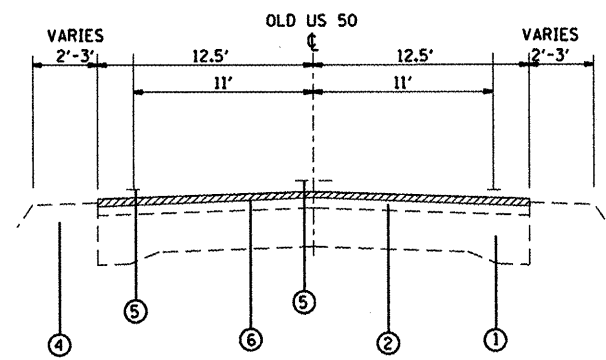
- ① EXISTING PAVEMENT
- ② EXISTING PORTLAND CEMENT CONCRETE BASE COURSE WIDENING (ORIGINAL PARKING LANE)
- ③ EXISTING RESURFACING
- ④ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ⑤ EXISTING PAVEMENT MARKINGS
- ⑥ PROPOSED HMA SURFACE REMOVAL 2-1/4"
- ⑦ PROPOSED PRIME COAT (BITUMINOUS & AGGREGATE)
- ⑧ PROPOSED LEVELING BINDER (MACHINE METHOD) 3/4"
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 1-1/2"
- ⑩ PROPOSED THERMOPLASTIC PAVEMENT MARKINGS
- ⑪ PROPOSED PAVEMENT REMOVAL
- ⑫ PROPOSED AGGREGATE BASE COURSE, TYPE A, 4"
- ⑬ PROPOSED PORTLAND CONCRETE CEMENT PAVEMENT 9" (JOINTED)
- ⑭ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ⑮ PROPOSED TIE BARS, NO. 6 REINFORCEMENT BAR, EPOXY COATED, 24" LONG, 24" CENTERS, 8" MINIMUM EMBEDMENT (PRICE INCLUDED IN ASSOCIATED ITEM)

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 2 TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	DIST 8 RESURFACING 2010-3	ST. CLAIR, CLINTON	33	6
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76077				

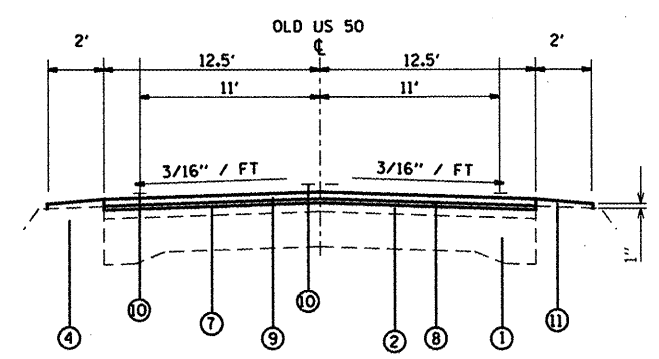


EXISTING TYPICAL SECTION W/REMOVAL

FAS 1780 (OLD US 50)

LOCATION 3

STA. 10+00 TO STA. 145+97



PROPOSED TYPICAL SECTION

FAS 1780 (OLD US 50)

LOCATION 3

STA. 10+00 TO STA. 145+97

- LEGEND**
- ① EXISTING PAVEMENT
 - ② EXISTING RESURFACING
 - ③ EXISTING HMA SHOULDER
 - ④ EXISTING TURF SHOULDER
 - ⑤ EXISTING PAVEMENT MARKINGS
 - ⑥ PROPOSED HMA SURFACE REMOVAL 1 1/2"
 - ⑦ PROPOSED PRIME COAT (BITUMINOUS & AGGREGATE)
 - ⑧ PROPOSED LEVELING BINDER (MACHINE METHOD) 3/4"
 - ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 1 1/2"
 - ⑩ PROPOSED THERMOPLASTIC PAVEMENT MARKINGS
 - ⑪ PROPOSED AGG WEDGE SHOULDER TYPE B

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**

LOCATION 3 TYPICAL SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	DIST 8 RESURFACING 2010-3	ST. CLAIR COUNTY	33	7
CONTRACT NO. 76D77				
<small>FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</small>				

SCHEDULES

PAVEMENT MARKING SCHEDULE											
LOCATION	THERMOPLASTIC PAVEMENT MARKING										
	LINE - 4"						LINE-8"	LINE-12"	LINE - 24"		LETTERS AND SYMBOLS (SQ FT)
	WHITE			YELLOW			WHITE	WHITE	WHITE		
	SOLID	SKIP DASH	SKIP DASH	SOLID	SKIP DASH	SKIP DASH	SOLID	SOLID	SOLID	SKIP DASH	
(FT)	10'-30'-10'	2'-6'-2'	(FT)	10'-30'-10'	(FT)	(FT)	(FT)	(FT)	10'-30'-10'		
STA TO STA	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(SQ FT)	
LOCATION # 1											
10+30 TO 11+60 (NO PASS ZN EB/WB)				260					19		
11+60 TO 18+43	1366			1366							
18+43 TO 26+00 (NO PASS ZONE WB)	1514			757	190						
26+00 TO 173+80	29560			3695							
OMISSION AT SUMMERFIELD RD(NORTH)	-114										
OMISSION AT SUMMERFIELD RD(SOUTH)	-75										
OMISSION AT TOLER RD	-65										
SUBTOTAL 1	32186	0	0	2383	3885				19	0	

THERMOPLASTIC PAVEMENT MARKING											
LOCATION	LINE - 4"						LINE-8"	LINE-12"	LINE - 24"		LETTERS AND SYMBOLS (SQ FT)
	WHITE			YELLOW			WHITE	WHITE	WHITE		
	SOLID	SKIP DASH	SKIP DASH	SOLID	SKIP DASH	SKIP DASH	SOLID	SOLID	SOLID	SKIP DASH	
	(FT)	10'-30'-10'	2'-6'-2'	(FT)	10'-30'-10'	(FT)	(FT)	(FT)	(FT)	10'-30'-10'	
STA TO STA	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(SQ FT)	
LOCATION # 2											
32+92 TO 54+20	3956				532						
85+05 TO 120+58	1768			6672	1150	400	298			665.6	
120+58 TO 414+96					7360						
240+56 TO 246+56 (NO PASS WB)				600							
250+32 TO 257+12 (NO PASS EB)				680							
267+20 TO 275+60 (NO PASS WB)				840							
279+20 TO 288+80 (NO PASS EB)				960							
361+84 TO 372+64 (NO PASS WB)				1080							
372+64 TO 383+84 (NO PASS EB)				1120							
403+36 TO 414+96 (NO PASS WB)				1160							
414+96 TO 420+16 (DBL YELLOW)				1040							
420+16 TO 431+36 (NO PASS EB)				1120							
420+16 TO 444+56					610						
435+76 TO 444+56 (NO PASS WB)				880							
444+56 TO 478+88 (DBL YELLOW)				6864							
120+58 TO 478+88	69460										
SUBTOTAL 2	75184			23016	9652						

LOCATION		THERMOPLASTIC PAVEMENT MARKING										
		LINE - 4"						LINE-8"	LINE-12"	LINE - 24"		LETTERS AND SYMBOLS (SQ FT)
		WHITE			YELLOW			WHITE	WHITE	WHITE		
		SOLID	SKIP DASH	SKIP DASH	SOLID	SKIP DASH	SKIP DASH	SOLID	SOLID	SOLID	SKIP DASH	
(FT)	10'-30'-10'	2'-6'-2'	(FT)	10'-30'-10'	(FT)	(FT)	(FT)	(FT)	10'-30'-10'			
STA TO STA	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(SQ FT)		
LOCATION # 3												
10+00 TO 68+32	11664								1458			
68+32 TO 73+52 (NO PASS ZONE EB)	1040				520	130						
73+52 TO 80+77	1450					181						
80+77 TO 85+97 (NO PASS ZONE WB)	1040				520	130						
85+97 TO 94+37	1680					210						
94+37 TO 99+97 (NO PASS ZONE EB)	1120				560	140						
99+97 TO 105+57	1120					140						
105+57 TO 109+97 (NO PASS ZONE WB)	880				440	110						
109+97 TO 145+97	7200					900						
OMISSION AT BARTELSD RD	-160											
OMISSION AT BECKMEYER RD	-90											
OMISSION AT RANDALL ST	-53											
OMISSION AT MCKINLEY ST	-53											
OMISSION AT LOUIS ST	-63											
OMISSION AT ELIZABETH ST	-58											
OMISSION AT HARPER ST	-80											
OMISSION AT PIPELINE RD (SOUTH)	-100											
OMISSION AT PIPELINE RD (NORTH)	-100											
SUBTOTAL 3	26437	0	0	2040	3399				0	0		
TOTAL	1E+05			27439	16936	400	298	19		665.6		

GUARDRAIL SCHEDULE

LOCATION		GUARD RAIL REMOVAL (FT)	SPBGR TYPE A (FT)	TBT TY 1 (SPECIAL) TANGENT (EACH)	GUARDRAIL MARKER TYPE A (EACH)	TERMINAL MARKER DIRECT APPLIED (EACH)	SPBGR SHORT RADIUS (FT)
STA TO STA		(FT)	(FT)	(EACH)	(EACH)	(EACH)	(FT)
LOCATION # 2							
124+40 TO 134+27	LT	987.5	912.5	1	12	1	25
TOTAL		987.5	912.5	1	12	1	25

SCHEDULES

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE

LOCATION			SIDE LT/ RT	REMOVAL (EACH)	INSTALLATION	
STA	TO	STA			ONE-WAY CRYSTAL (EACH)	TWO-WAY AMBER (EACH)
LOCATION #1						
10+00	TO	173+80		191		205
LOCATION #2						
32+92	TO	54+20		27		27
85+05	TO	120+58		177	27	150
120+58	TO	478+88		448		448
LOCATION #3						
10+00	TO	145+97		167		170
TOTALS (EACH)				1010		1027

TEMPORARY RAMPS SCHEDULE

LOCATION			SIDE LT/RT	AREA (SQ YD)
STA	TO	STA		
LOCATION #1				
10+00	TO	10+05		13.3
173+75	TO	173+80		13.3
LOCATION #2				
32+92	TO	32+97		13.9
54+15	TO	54+20		13.9
85+05	TO	85+13		27.5
87+42	TO	88+17	LT	62.5
87+78	TO	88+53	RT	62.5
114+36	TO	115+26	LT	75
114+36	TO	115+26	RT	75
259+62	TO	259+67		13.9
260+77	TO	260+82		13.9
384+13	TO	384+18		13.9
392+10	TO	392+15		13.9
478+83	TO	478+88		13.9
LOCATION #3				
10+00	TO	10+05		13.9
145+92	TO	145+97		13.9
TOTAL				454.2

STONE DUMPED RIP RAP, CLASS A3 SCHEDULE
LOCATION #1

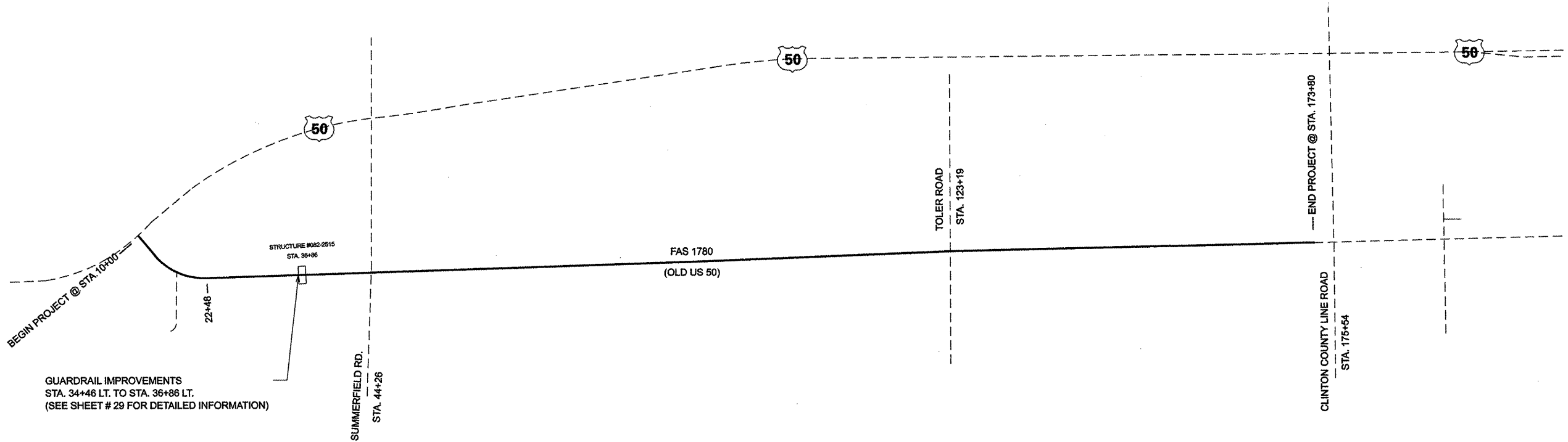
LOCATION			SIDE LT/ RT	12" THICKNESS	
STA	TO	STA		0.5 TON PER SQ YD AREA	CLASS A3 RIP RAP (TON)
34+46	TO	35+86	LT	8' X 140'	62.2
35+86	TO	36+86	LT	14' X 100'	77.8
TOTAL					140

HMA SURFACE REMOVAL SCHEDULE

LOCATION			HOT-MIX ASPHALT SURFACE REMOVAL 1-1/2" (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL 2-1/4" (SQ YD)
STA	TO	STA		
LOCATION #1				
10+00.0	TO	173+80.0	43680.0	
LOCATION #2				
32+92	TO	54+20	5911.1	
85+05	TO	120+58		9114
120+58	TO	478+88	97022.2	
LOCATION #3				
10+00.0	TO	145+97.0	37769.4	
TOTAL			184382.7	9114.0

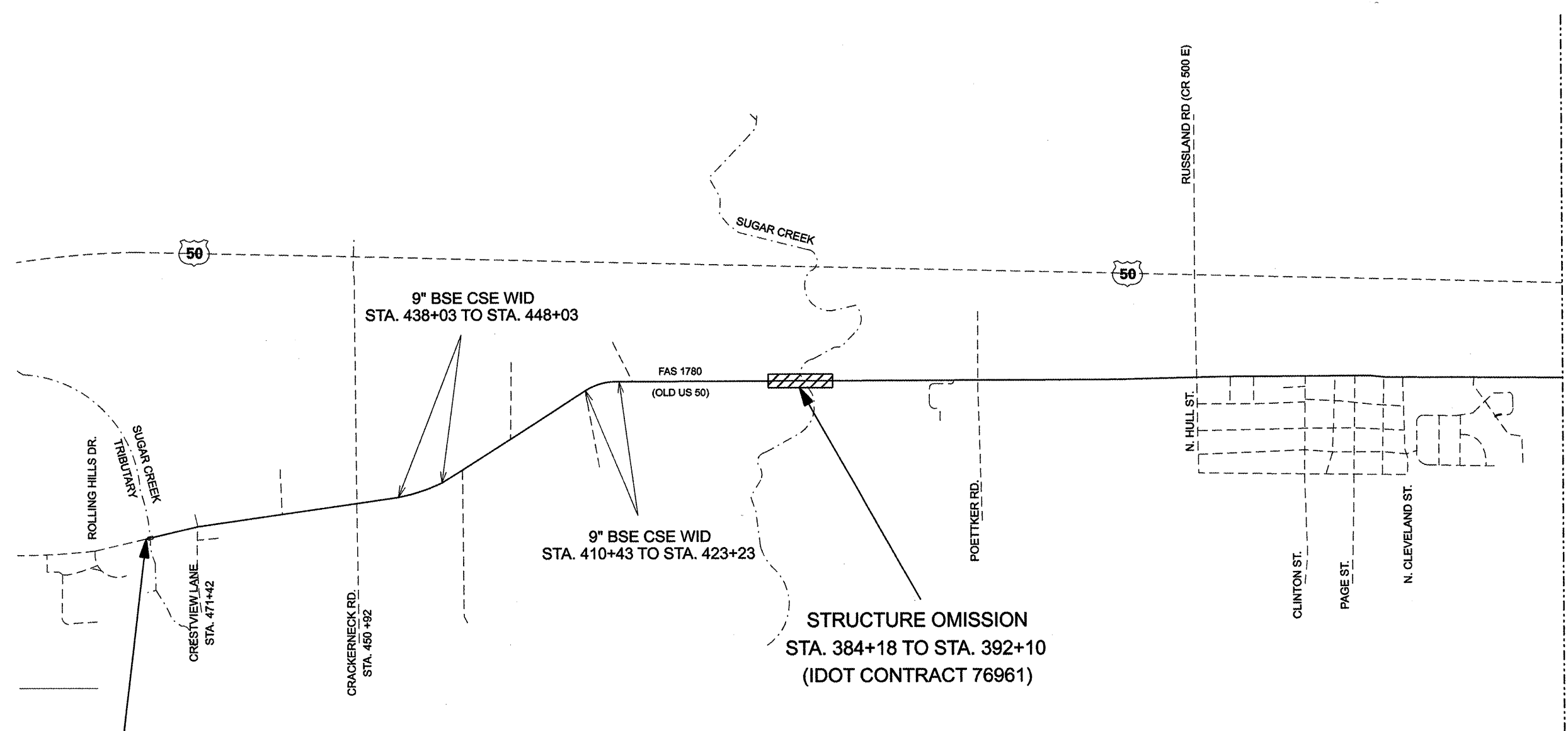
SHORT-TERM PAVEMENT MARKING

LOCATION			SHORT-TERM PVMT MRK CENTERLINE PER LIFT (FT)	TOTAL SHORT-TERM PVMT MRK REQUIRED (FT)	WORK ZONE PVMT MRK REMOVAL (SQ FT)
STA	TO	STA			
LOCATION 1					
10+30	TO	173+80	1,638	6552	545.0
LOCATION 2					
32+92	TO	54+20	213	851	71.0
85+05	TO	117+00	320	2556	213.0
117+00	TO	478+88	3619	14,475	1206.0
LOCATION 3					
10+00	TO	145+97	1360	5,440	453.2
TOTALS				29874	2488



NOT TO SCALE

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT MAP OF LOCATION 1		F.A.S. RTE. 1780	SECTION DIST 8 RESURFACING 2010-3	COUNTY ST. CLAIR, CLINTON	TOTAL SHEETS 33	SHEET NO. 11
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	PLOT DATE = #DATE#	CHECKED -	REVISED -								
		DATE -	REVISED -								



MATCHLINE A

BEGIN PROJECT
STA. 478+88

(NOTICEABLE PAVEMENT TRANSITION @ STRUCTURE
~ 0.1 MI. E. OF ROLLING HILLS DR.)

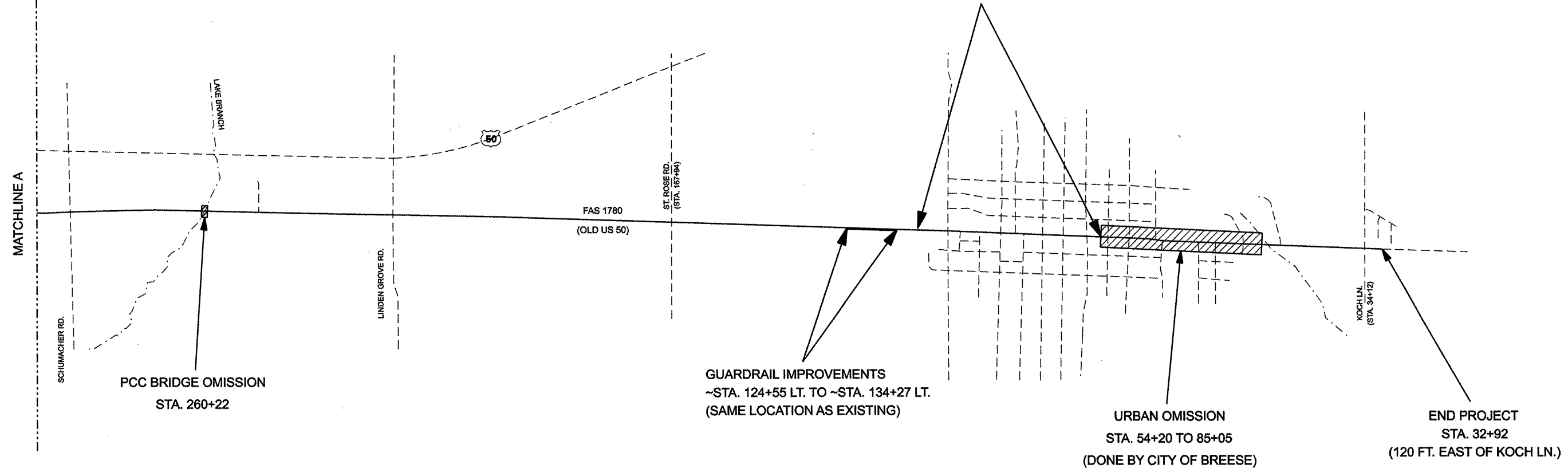
STRUCTURE OMISSION
STA. 384+18 TO STA. 392+10
(IDOT CONTRACT 76961)

NOT TO SCALE

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FILEL		DRAWN -	REVISED -					1780	DIST 8 RESURFACING 2010-3	ST. CLAIR, CLINTON	33	12
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SEE SHEETS 15 THRU 28 FOR DETAILED
 INFORMATION REGARDING URBAN AREA
 STA. 85+05 TO STA. 120+58



NOT TO SCALE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT MAP LOCATION 2	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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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	



--- BEGIN PROJECT @ STA 10+00

BARTELSON RD. (CH 6)
STA. 18+48

BECKMEYER RD.
STA. 31+82 LT

RANDALL ST.
STA. 31+82 RT

ELIZABETH ST.
STA. 43+68

HARRER ST.
STA. 57+62

FAS 1780
(OLD US 50)

PIPELINE RD.
STA. 111+20

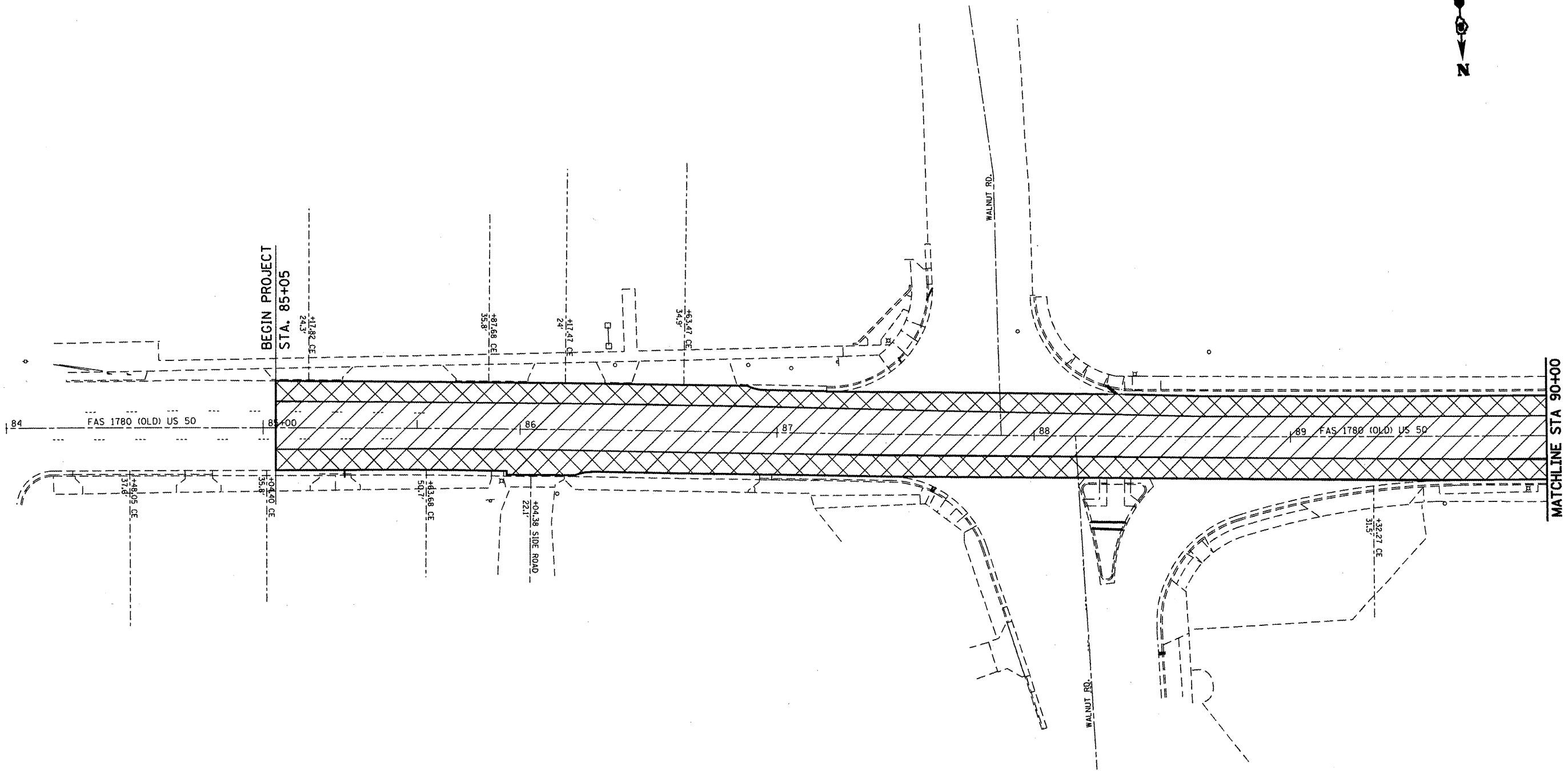
--- END PROJECT @ STA 145+97

22ND ST.




21ST ST.

NOT TO SCALE

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT MAP LOCATION 3			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = #DATE#	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



LEGEND

-  PAVEMENT REPLACEMENT
-  2 1/4" MILLING
-  1 1/2" MILLING

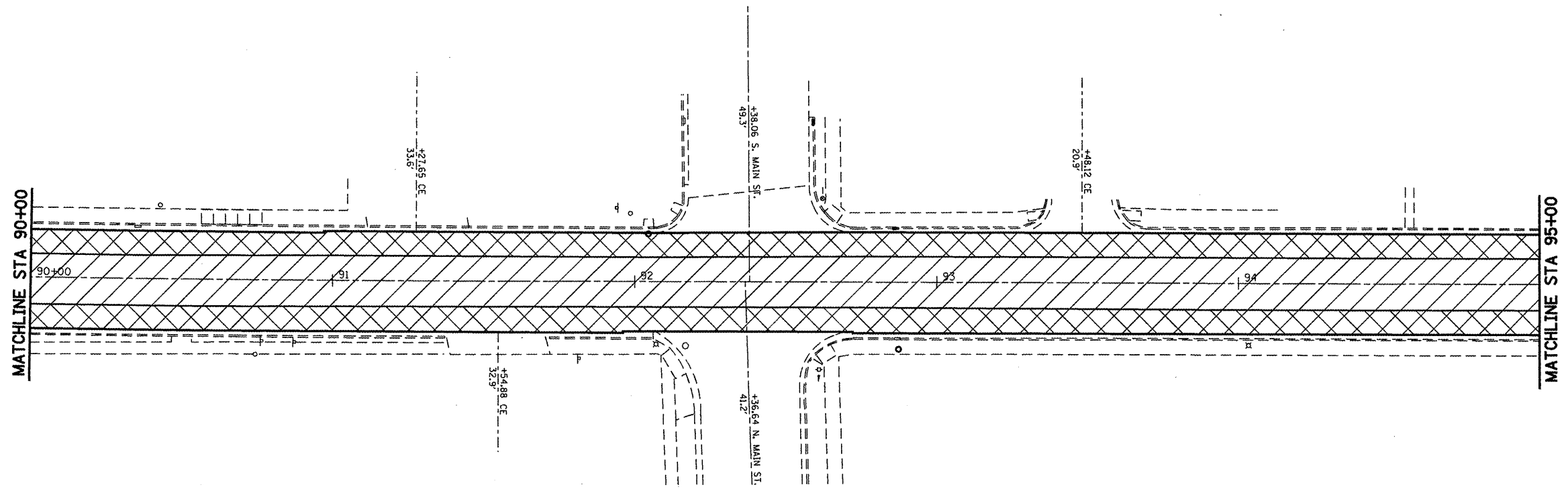
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION




PAVEMENT REPLACEMENT

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

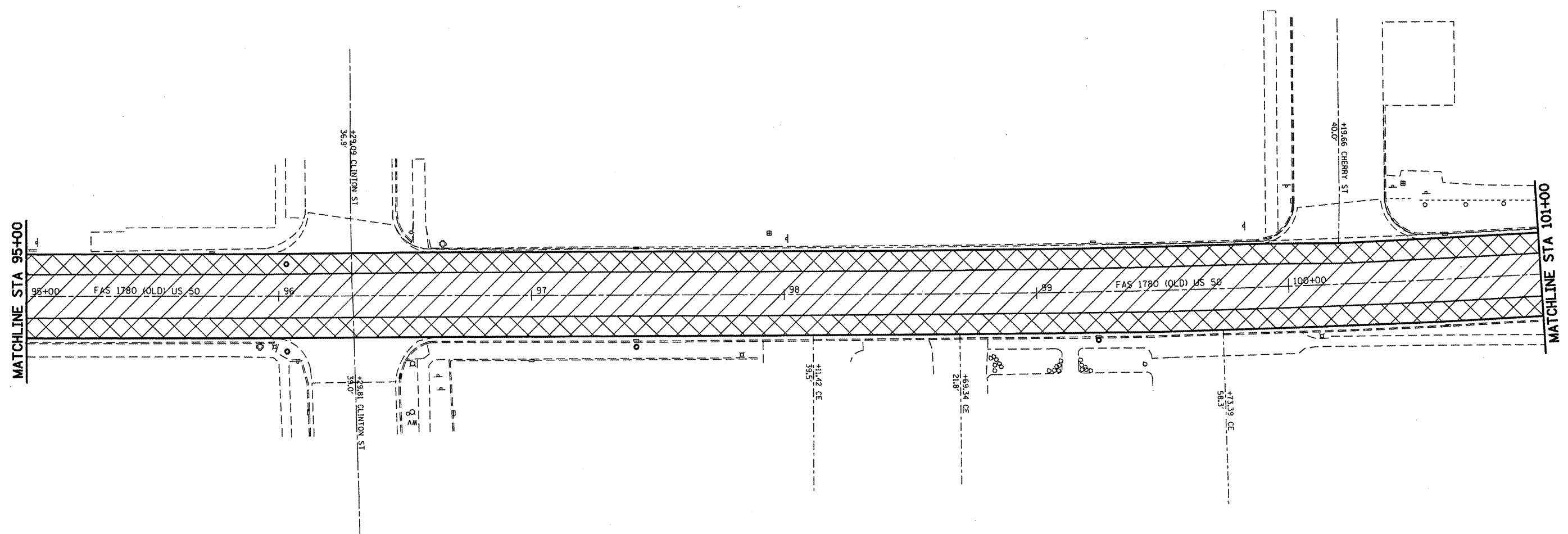
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	DISIBRESURFACING2010-3	ST. CLAIR, CLINTON	33	15
CONTRACT NO. 76077				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				






LEGEND

-  PAVEMENT REPLACEMENT
-  2 1/4" MILLING
-  1 1/2" MILLING

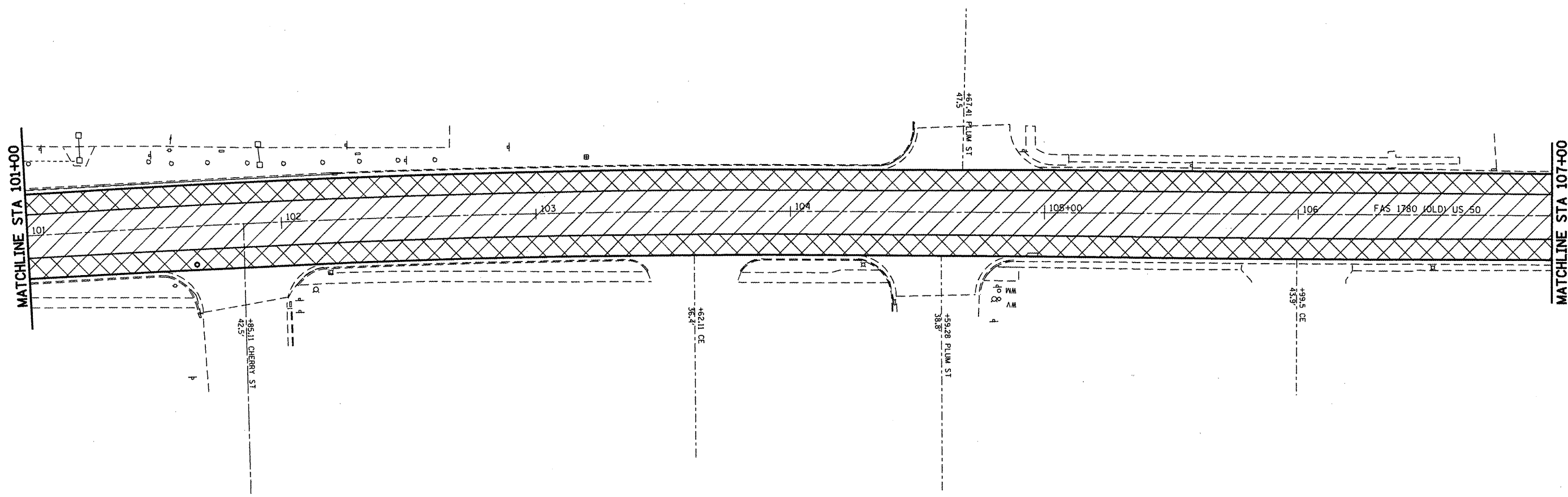
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	CHECKED - ---	DATE - 1/19/10	REVISED - ---			CONTRACT NO. 76077					
	PLDT DATE = #DATE#		REVISED - ---			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					
					SCALE: 1" = 20'	SHEET NO. ___ OF ___ SHEETS		STA. _____ TO STA. _____			



LEGEND

-  PAVEMENT REPLACEMENT
-  2 1/4" MILLING
-  1 1/2" MILLING

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT REPLACEMENT	F.A.S. RTE. 1780	SECTION DIS188RESUBREACING2010:3	COUNTY ST CLAIR, CLINTON	TOTAL SHEETS 33	SHEET NO. 17	
		DRAWN - IRE	REVISED - ---		SCALE: 1" = 20'	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
		CHECKED - ---	REVISED - ---		CONTRACT NO. 16077						
		DATE - 1/19/10	REVISED - ---								



LEGEND

- PAVEMENT REPLACEMENT
- 2 1/4" MILLING
- 1 1/2" MILLING

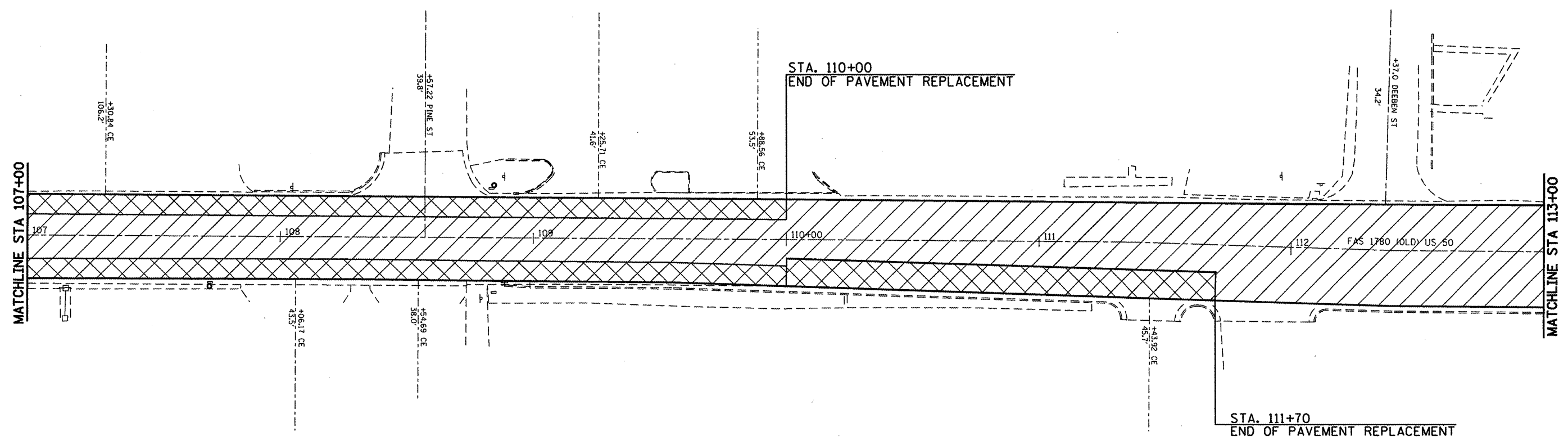
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	PLOT DATE = #DATE#	DATE - 1/19/10	REVISED - ---

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT REPLACEMENT

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	DIS18BESUBEAC1062010-3	ST. CLAIR, CLINTON	33	18
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76077	



LEGEND

- PAVEMENT REPLACEMENT
- 2 1/4" MILLING
- 1 1/2" MILLING

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT REPLACEMENT	F.A.S. RTE. 1780	SECTION DIS188ESUBEACING2010-3	COUNTY ST. CLAIR, CLINTON	TOTAL SHEETS 33	SHEET NO. 19	
	PLLOT SCALE = #SCALE#	DRAWN - IBE	REVISED - ---			SCALE: 1" = 20'	SHEET NO. ___ OF ___ SHEETS	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 16077	
	PLLOT DATE = #DATE#	CHECKED - ---	REVISED - ---			DATE - 1/19/10	STA. _____ TO STA. _____				
		DATE - 1/19/10	REVISED - ---								



MATCHLINE STA 113+00

MATCHLINE STA 119+00

CEMANTOWN RD.

MATER DEL DR.

FAS 1780 (OLD) US 50

+42.93 PE
12.5'

+53.60 CE
31.0'

+41.30 CE
37.2'

+51.11 CE
38.4'

+22.84 CE
29.0'

+39.11 CE
32.1'

+41.73 CE
44.9'

+44.61 PE
13.0'

113

114




115+00

116

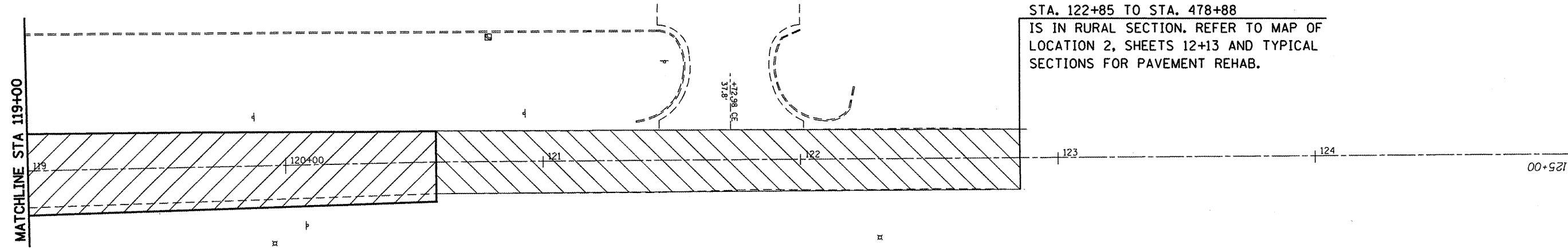
117

118

LEGEND




-  PAVEMENT REPLACEMENT
-  2 1/4" MILLING
-  1 1/2" MILLING

FILE NAME =	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT REPLACEMENT	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - IBE	REVISED - ---			1780	DISBURSURE&CING2010-3	ST CLAIR, CLINTON	33	20	
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	PLOT DATE = #DATE#	DATE - 12/14/10	REVISED - ---			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
CONTRACT NO. 76D77											

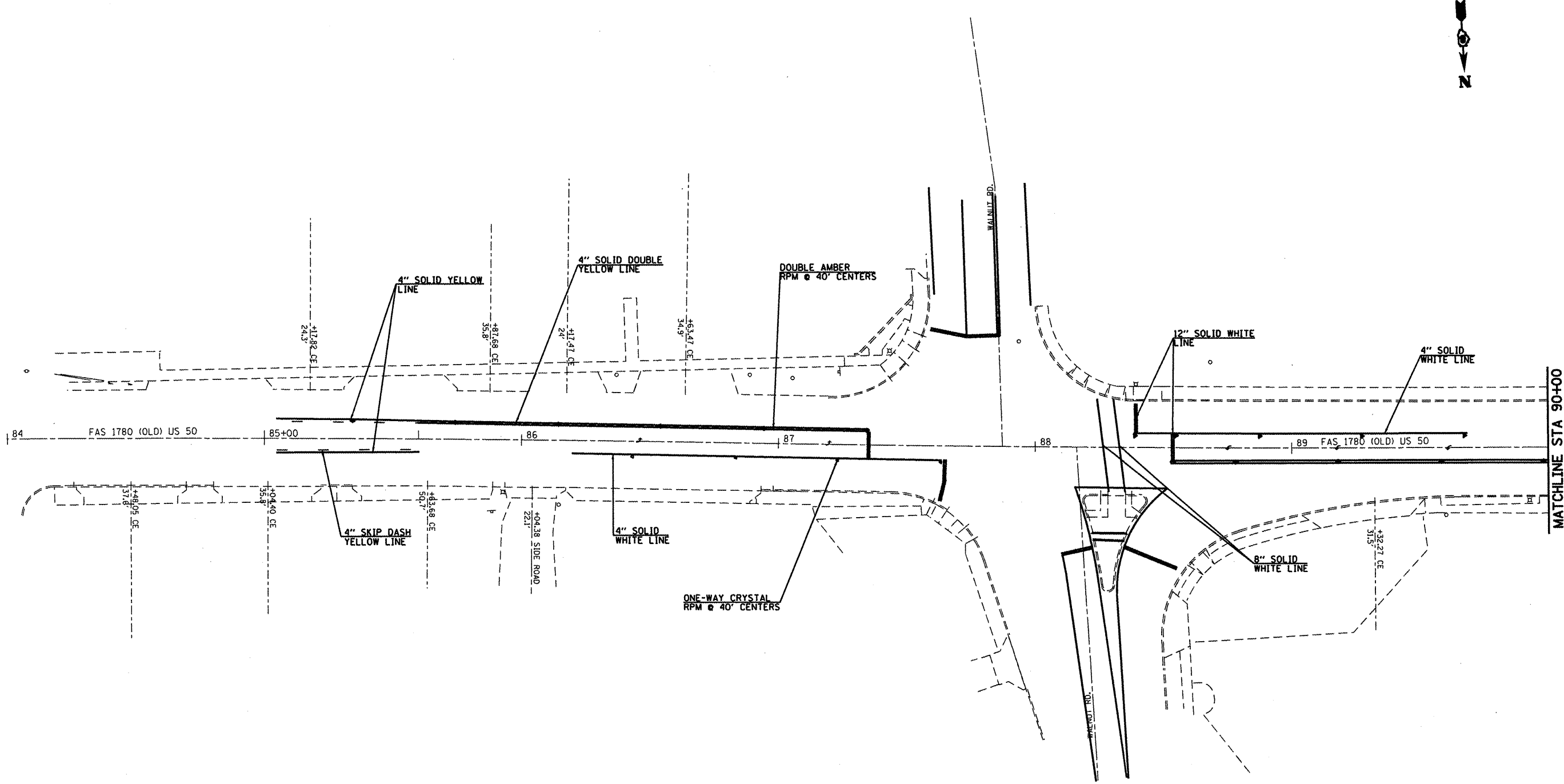


STA. 122+85 TO STA. 478+88
 IS IN RURAL SECTION. REFER TO MAP OF
 LOCATION 2, SHEETS 12+13 AND TYPICAL
 SECTIONS FOR PAVEMENT REHAB.

LEGEND

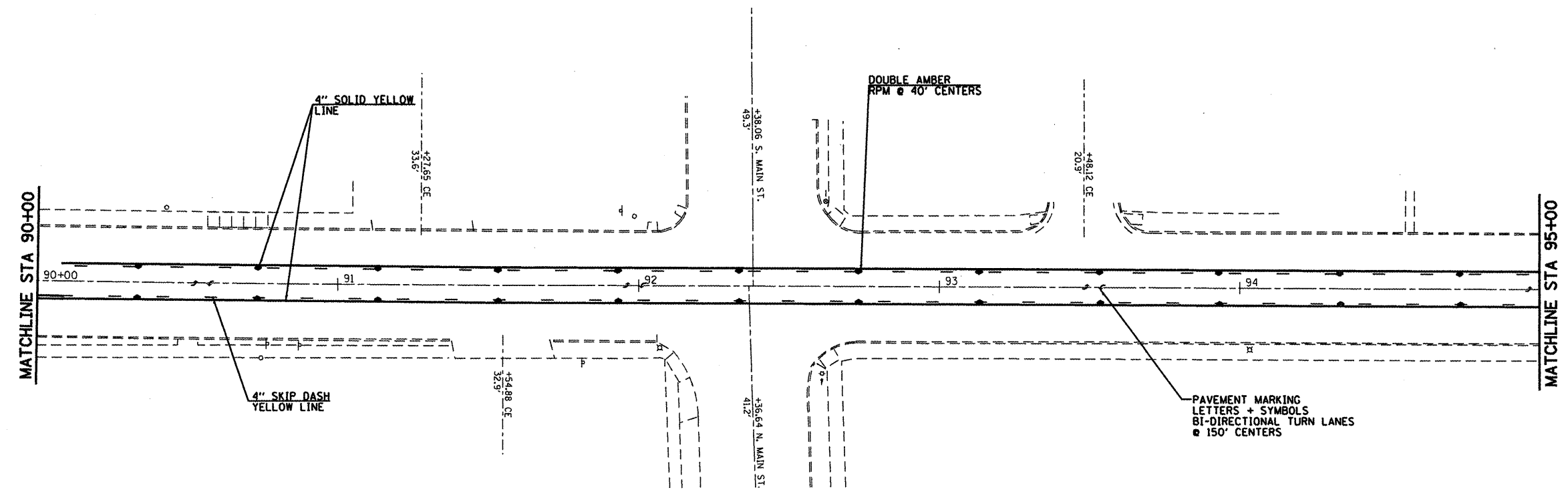
-  PAVEMENT REPLACEMENT
-  2 1/4" MILLING
-  1 1/2" MILLING

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - ---	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT REPLACEMENT		F.A.S. RTE. 1780	SECTION DISIBRESUBREACTING2010-3	COUNTY ST CLAIR, CLINTON	TOTAL SHEETS 33	SHEET NO. 21
	PLOT SCALE = #SCALE#	DRAWN - IBC	REVISED - ---		SCALE: 1" = 20'	SHEET NO. ___ OF ___ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 18077		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
	PLOT DATE = #DATE#	CHECKED - ---	REVISED - ---								
		DATE - 1/19/10	REVISED - ---								



MATCHLINE STA 90+00

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLDT SCALE = #SCALE#	DRAWN - TRF	REVISED -					1780	DISTRRESURFACING2010-3	ST CLAIR, CLINTON	33	22
	PLDT DATE = #DATE#	CHECKED -	REVISED -					CONTRACT NO. 76077				
	DATE - 1/14/10	REVISIED -	SCALE: 1" = 20"					SHEET NO.	OF	SHEETS	STA.	TO STA.

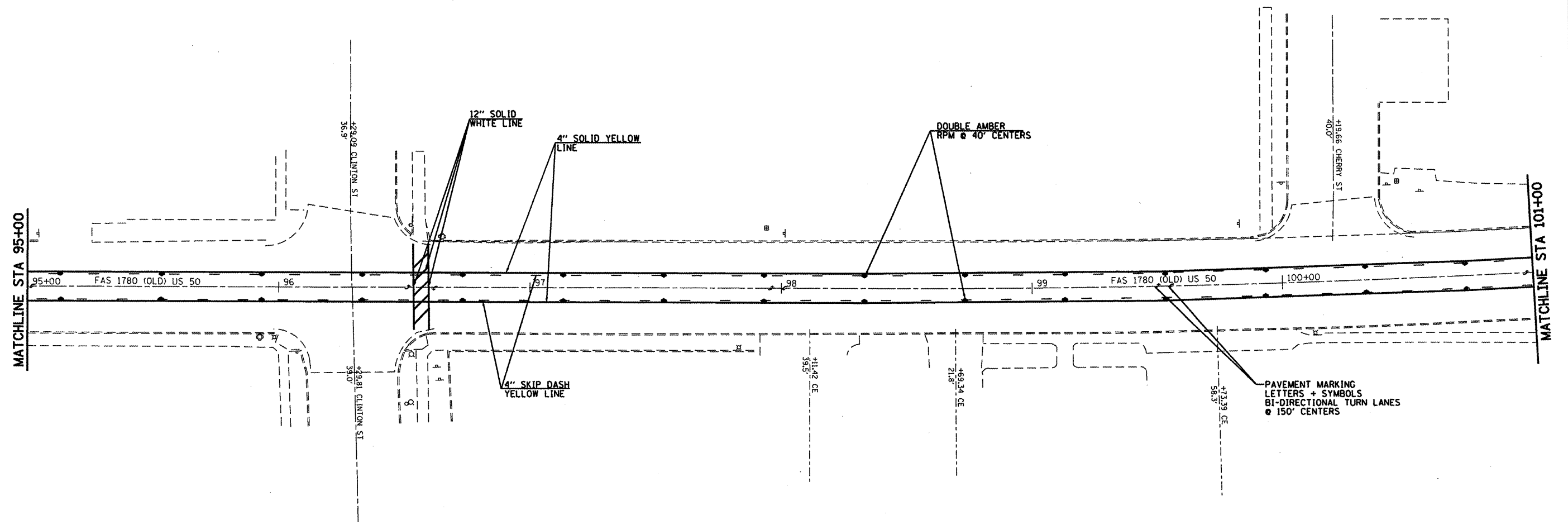


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	PLDT DATE = #DATE#	DATE - 1/14/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	DIST8RESURFACING2010-3	ST CLAIR, CLINTON	33	23
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. T6D7T	

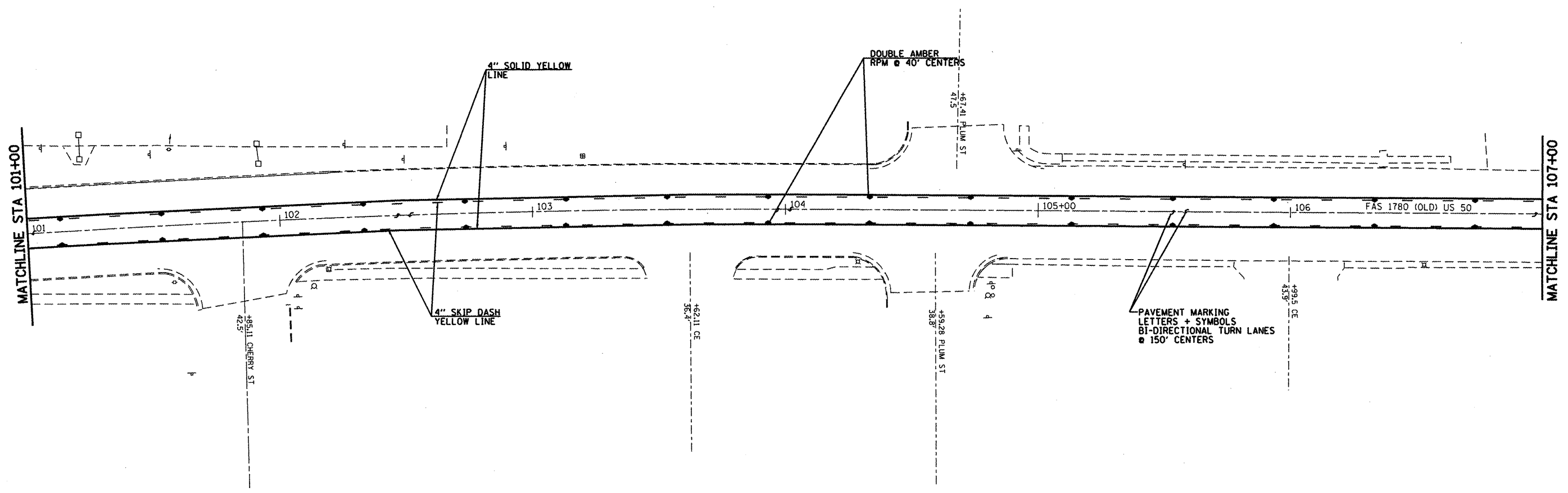
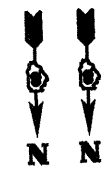


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	PLDT DATE = #DATE#	DATE - 1/14/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.S. RTE. 1780	SECTION DIST8RESURFACING2010-3	COUNTY ST CLAIR, CLINTON	TOTAL SHEETS 33	SHEET NO. 24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76077	

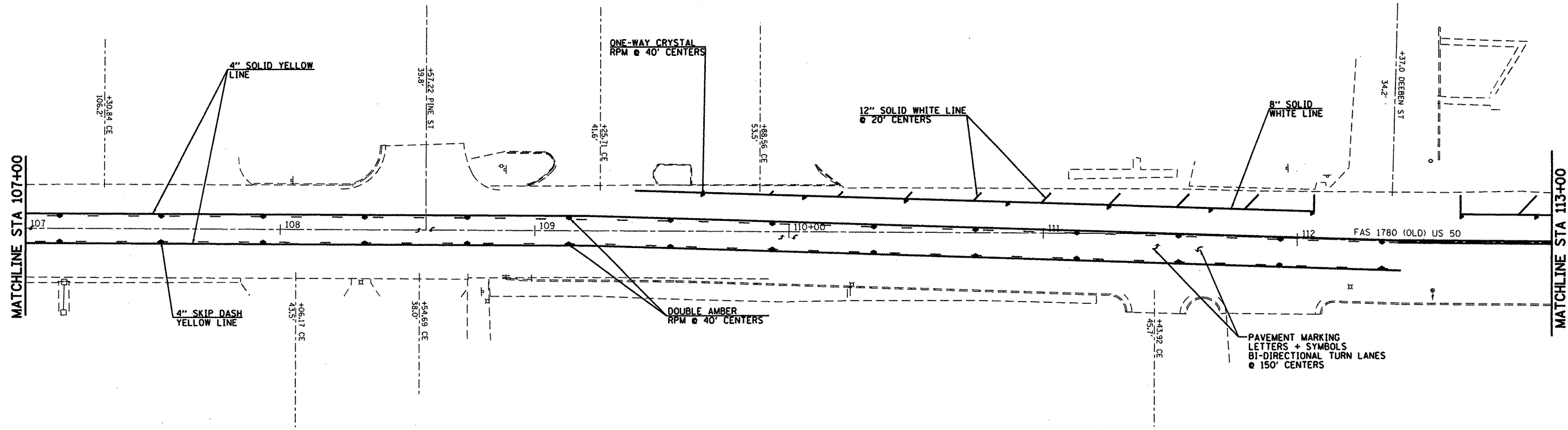


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		DATE - 1/14/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.S. RTE. 1780	SECTION DISTBRESURFACING2010-3	COUNTY ST CLAIR, CLINTON	TOTAL SHEETS 33	SHEET NO. 25
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 76077				

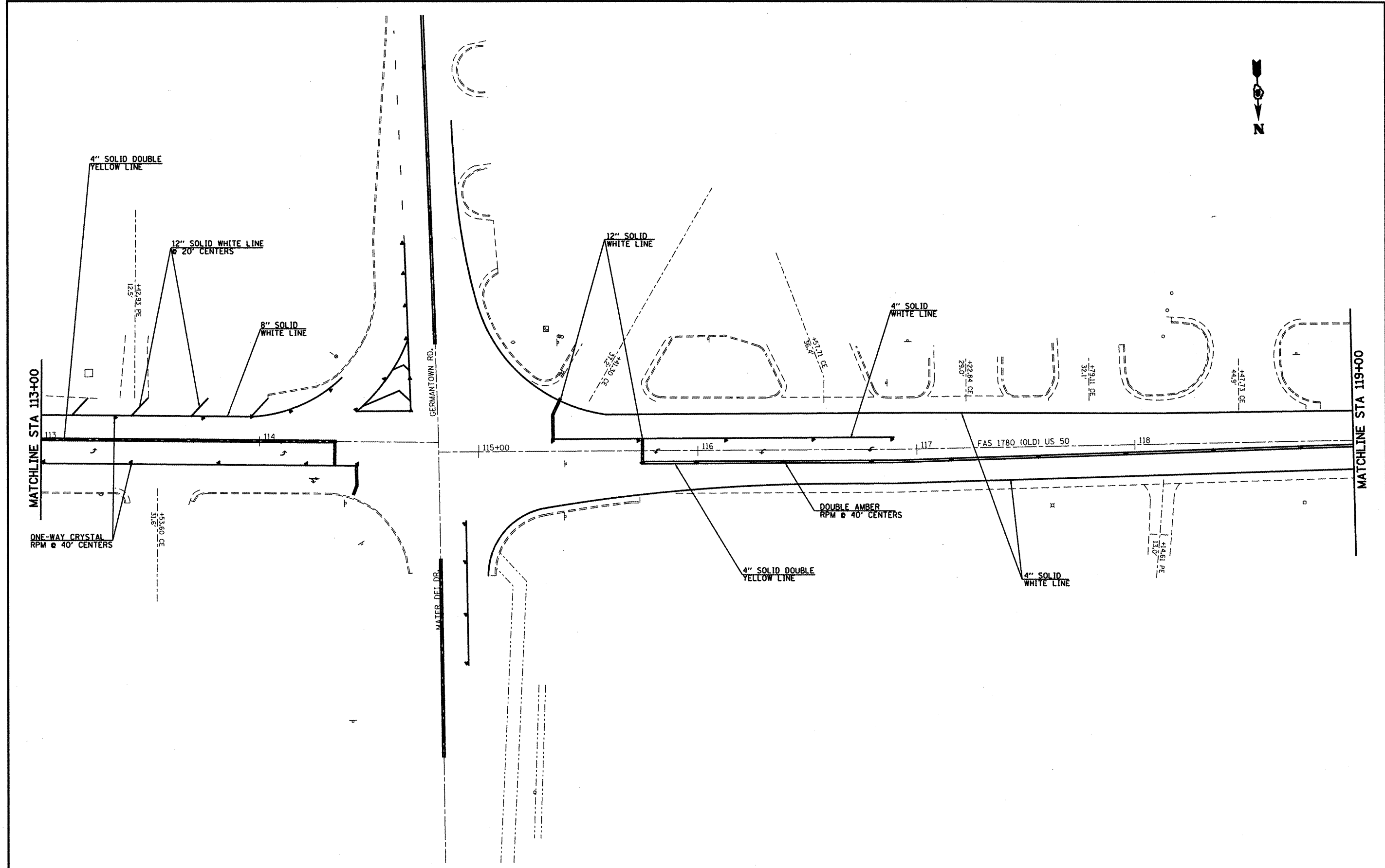


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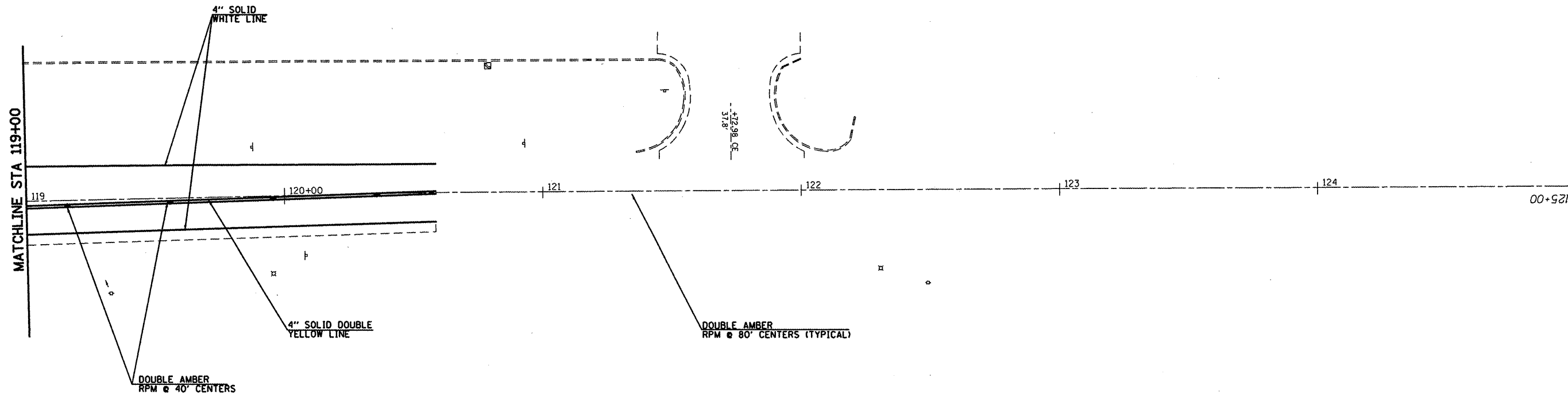
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	DIST8RESURFACING2010-3	ST CLAIR, CLINTON	33	26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. T6D7T	



FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING			F.A.S RTE. 1780	SECTION DIST8RESURFACING2010-3	COUNTY ST CLAIR, CLINTON	TOTAL SHEETS 33	SHEET NO. 27
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	PLOT DATE = #DATE#	CHECKED -	REVISED -								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
		DATE - 1/14/10	REVISED -									



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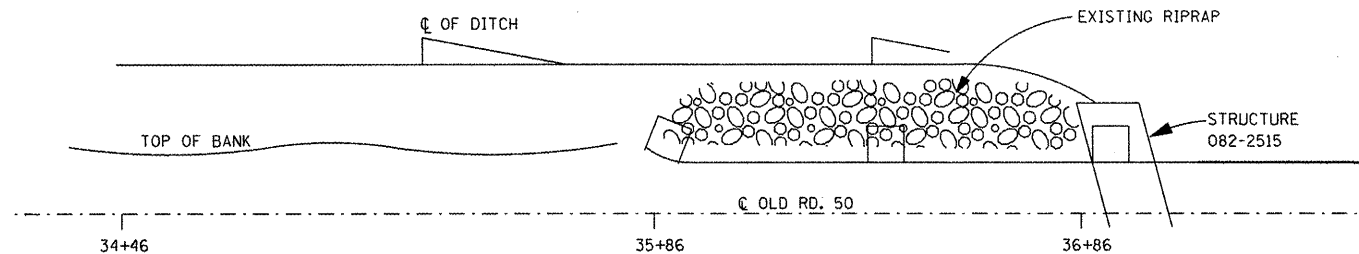
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING

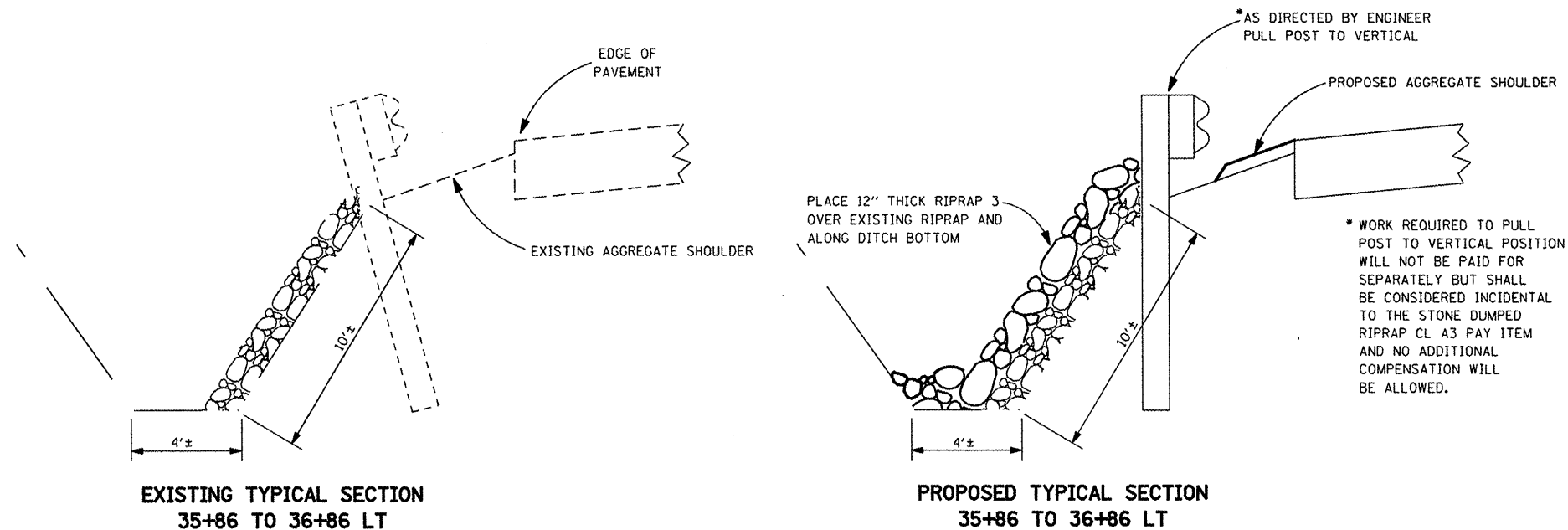
SCALE: 1" = 20" SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	DISTBRESURFACING2010-3	ST CLAIR, CLINTON	33	28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D77	

EXISTING PLAN VIEW

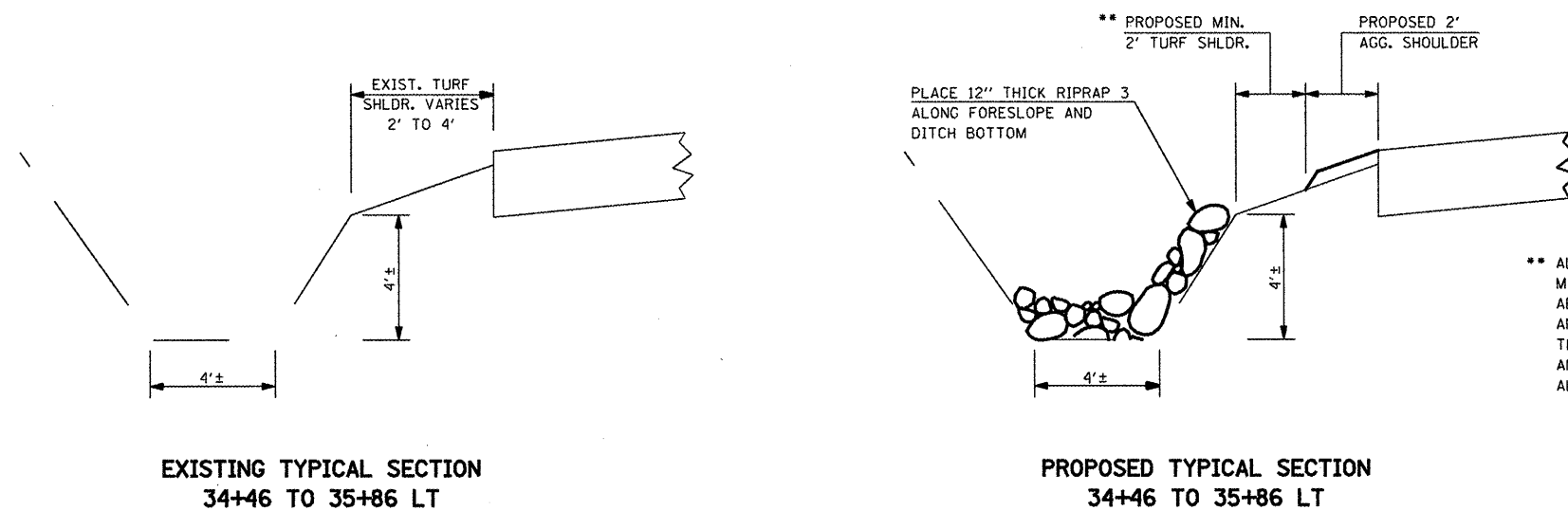


**LOCATION #1
RIPRAP DETAIL
STRUCTURE #082-2515
36+86**



* AS DIRECTED BY ENGINEER
PULL POST TO VERTICAL

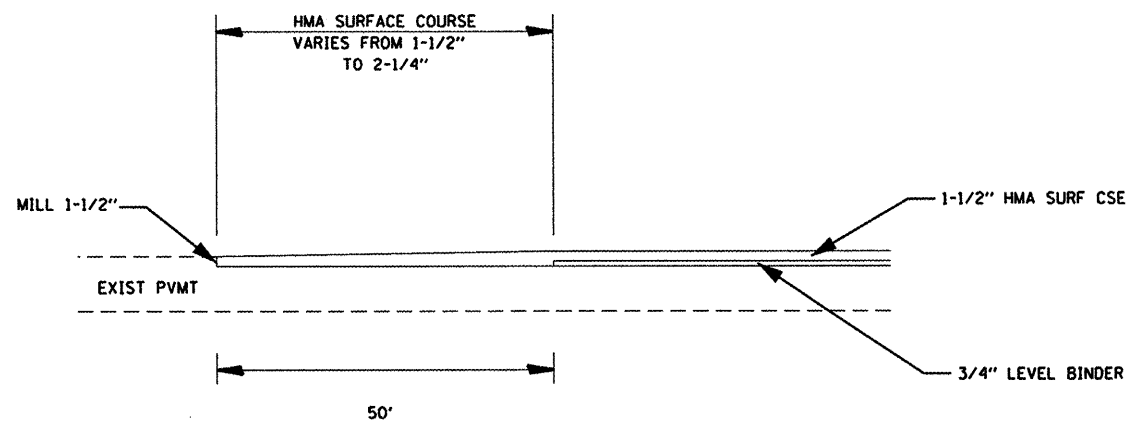
* WORK REQUIRED TO PULL
POST TO VERTICAL POSITION
WILL NOT BE PAID FOR
SEPARATELY BUT SHALL
BE CONSIDERED INCIDENTAL
TO THE STONE DUMPED
RIPRAP CL A3 PAY ITEM
AND NO ADDITIONAL
COMPENSATION WILL
BE ALLOWED.



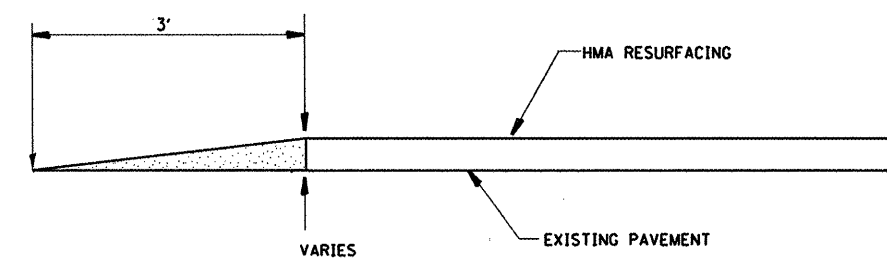
** ALL DIRT WORK REQUIRED TO PROVIDE A
MINIMUM OF A 2' TURF SHOULDER AS SHOWN
ABOVE WILL NOT BE PAID FOR SEPARATELY
AND SHALL BE CONSIDERED INCIDENTAL TO
THE STONE DUMPED RIPRAP CL A3 PAY ITEM
AND NO ADDITIONAL COMPENSATION WILL BE
ALLOWED.

NOT TO SCALE

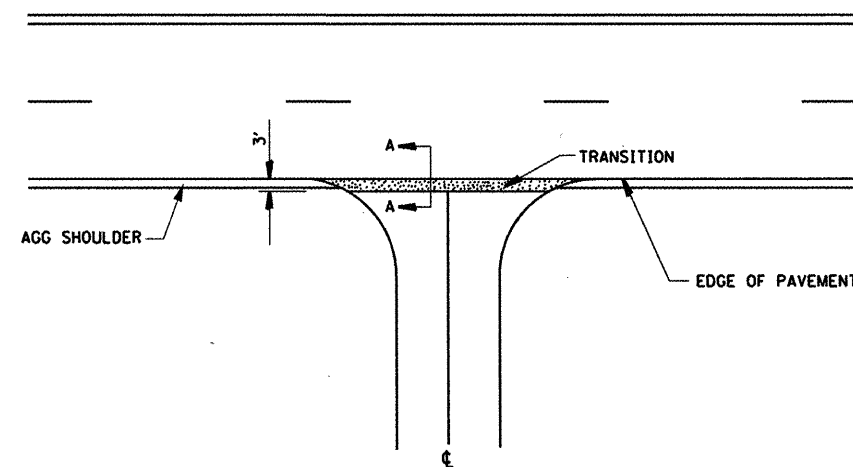
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#FILEL#		DRAWN -	REVISED -					1780	DISTBRESURFACING2010-3	ST. CLAIR, CLINTON	33	29
		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 76D77				
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



TYPICAL BEGINNING AND ENDING STATION
MILLING AND PAVEMENT PLACEMENT DETAIL



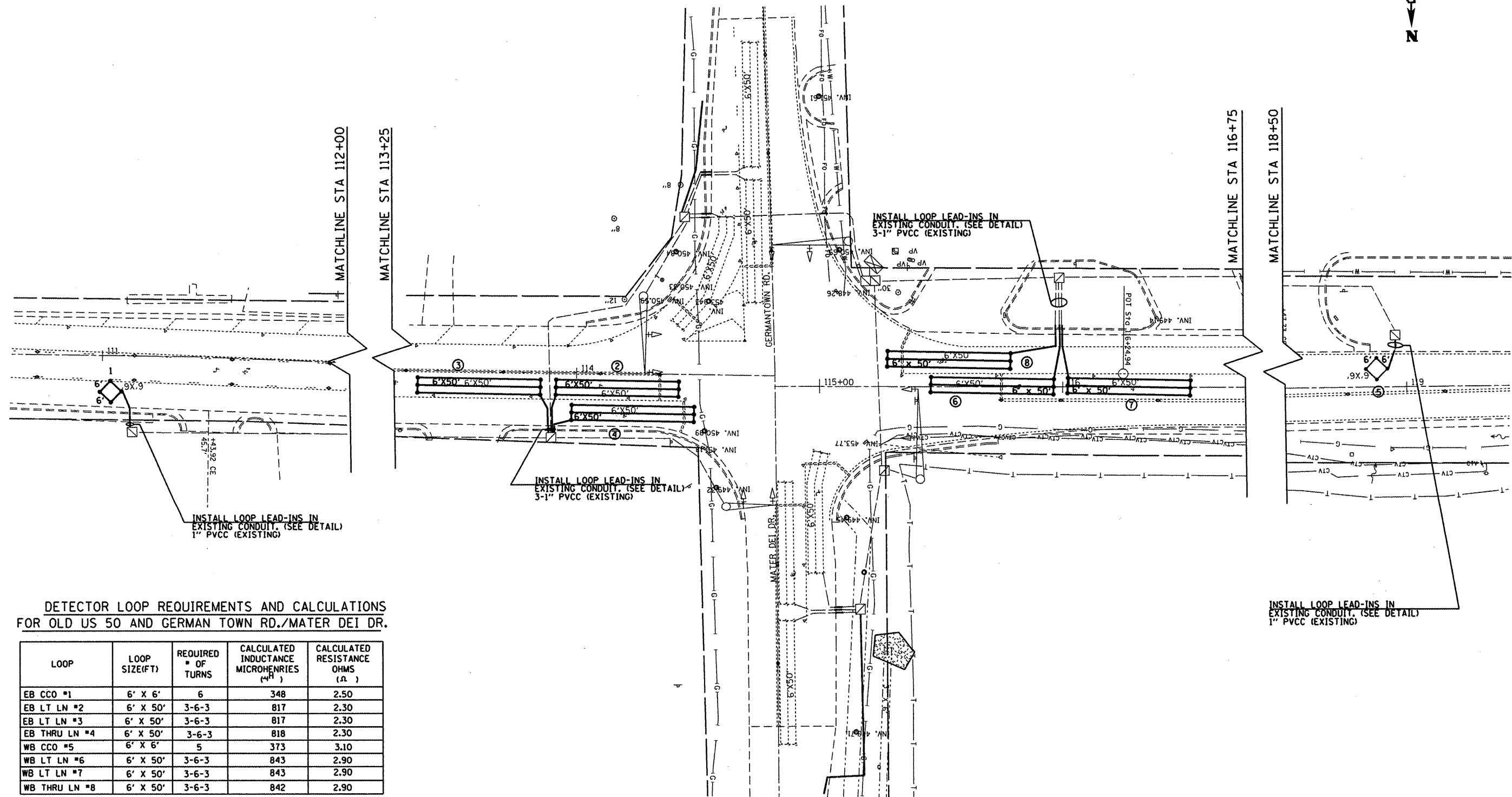
TRANSITION DETAIL
SECTION A-A



SIDEROAD / ENTRANCE DETAIL

NOTE:
WHERE AN EXISTING ADJACENT ENTRANCE IS
AGGREGATE, THE AGGREGATE WEDGE SHOULDER,
TYPE B CONSTRUCTION SHOULD CONTINUE THROUGH
THE LIMITS OF THE TOTAL TRANSITION LENGTH
OF THE ENTRANCE.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MISCELLANEOUS DETAILS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -			1780	DIST 8 RESURFACING 2010-3	ST. CLAIR, CLINTON	33	30	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			CONTRACT NO. 76D77					
	PLOT DATE = #DATE#	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR OLD US 50 AND GERMAN TOWN RD./MATER DEI DR.

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
EB CCO #1	6' X 6'	6	348	2.50
EB LT LN #2	6' X 50'	3-6-3	817	2.30
EB LT LN #3	6' X 50'	3-6-3	817	2.30
EB THRU LN #4	6' X 50'	3-6-3	818	2.30
WB CCO #5	6' X 6'	5	373	3.10
WB LT LN #6	6' X 50'	3-6-3	843	2.90
WB LT LN #7	6' X 50'	3-6-3	843	2.90
WB THRU LN #8	6' X 50'	3-6-3	842	2.90

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

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
#FILE#		DRAWN - TR	REVISED -
	PLDT SCALE = #SCALE#	CHECKED -	REVISED -
	PLDT DATE = #DATE#	DATE - 1/14/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT AT US 50 & GERMANTOWN RD.

SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

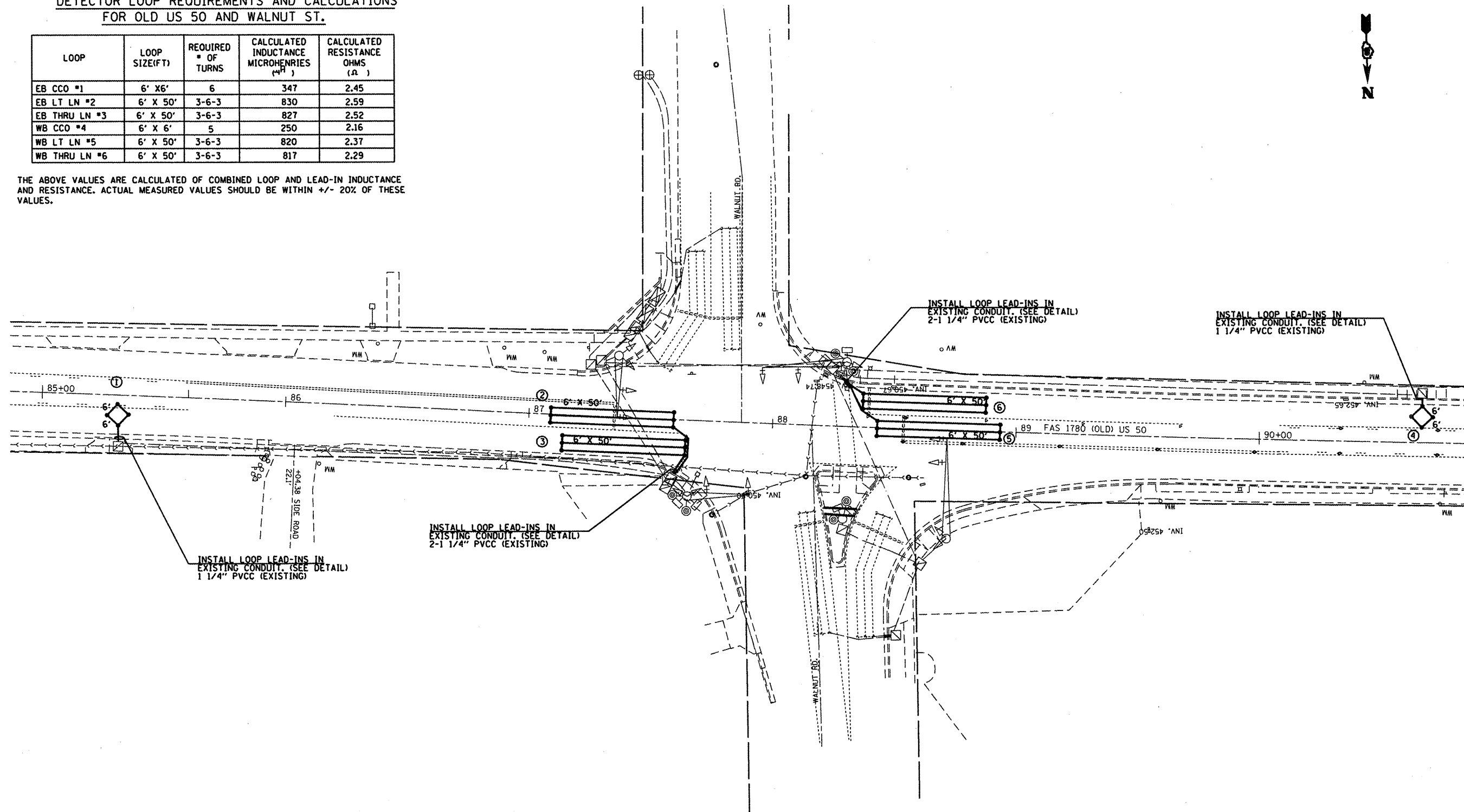
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1780	DIST8RESURFACING2010-3	ST. CLAIR, GLENDEN	33	31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D77	

E3 OF E3

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS
FOR OLD US 50 AND WALNUT ST.

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
EB CCO #1	6' X 6'	6	347	2.45
EB LT LN #2	6' X 50'	3-6-3	830	2.59
EB THRU LN #3	6' X 50'	3-6-3	827	2.52
WB CCO #4	6' X 6'	5	250	2.16
WB LT LN #5	6' X 50'	3-6-3	820	2.37
WB THRU LN #6	6' X 50'	3-6-3	817	2.29

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

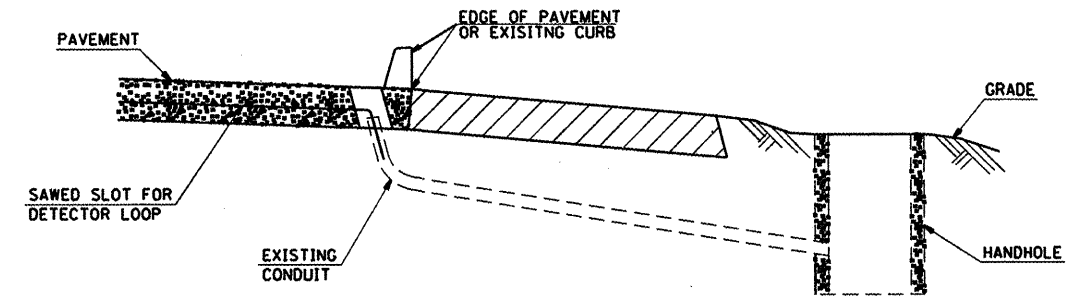


E2 OF E3

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT @ US 50 AND WALNUT RD.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - TR	REVISED -			1780	DISTRRESURFACING2010-3	ST. CLAIR, CLINTON	33	32	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			SCALE: 1" = 20'		SHEET NO. 2 OF 3 SHEETS		STA.	TO STA.
	PLOT DATE = #DATE#	DATE - 1/14/10	REVISED -					FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
						CONTRACT NO. 76D77					

ELECTRICAL GENERAL NOTES:

- 1 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.



**DETAIL
(NO SCALE)
RE-USE EXISTING DETECTOR LOOP LEAD-IN CABLE IN ONDUIT**

- 1 LOCATE UNDERGROUND CABLE FROM H.H. 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.

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

ELECTRICAL SCHEDULE OF QUANTITIES:

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	GERMAN TOWN RD	WALNUT ST
88600600	DETECTOR LOOP REPLACEMENT	FOOT	1886	1136	750
80300100	LOCATING UNDER GROUND CABLE	FOOT	125	100	25