

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

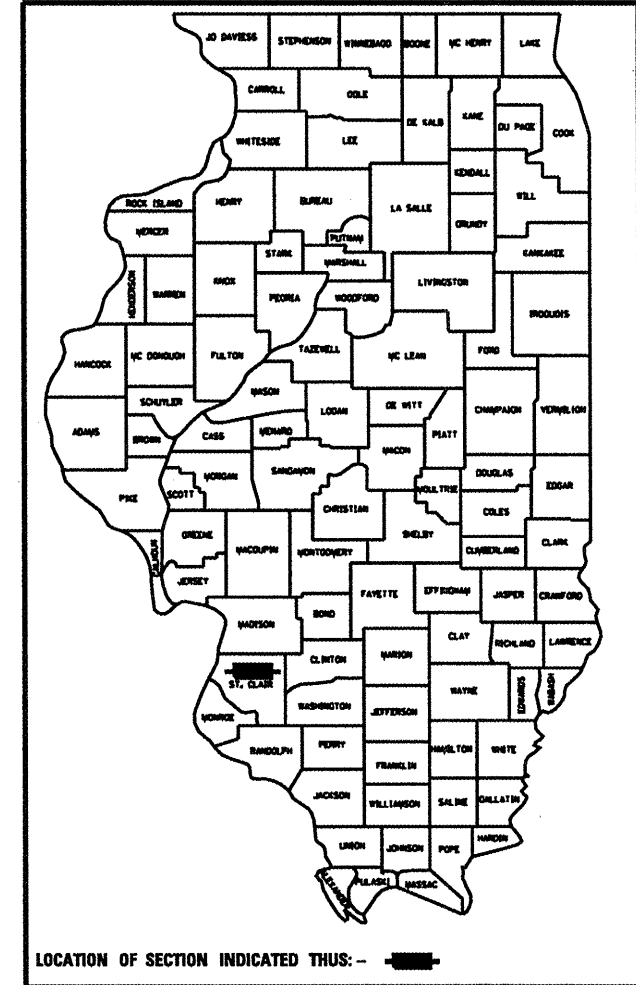
**PROPOSED
HIGHWAY PLANS**

FAU ROUTE VARIOUS
SECTION DIST 8 RESURFACING 2010-4

3P RESURFACING (CONSTRUCTION NOW)
ST. CLAIR COUNTY

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D8 RESURFACING 2010-4	ST. CLAIR	49	1
		ILLINOIS	CONTRACT NO. 76D86	

D-98-054-10

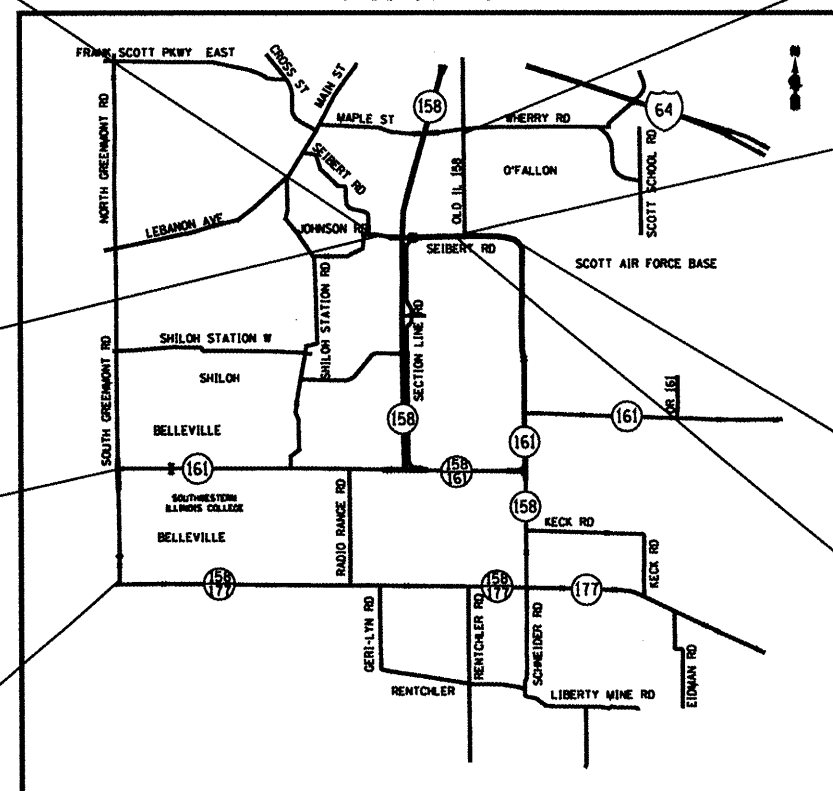


FOR INDEX OF SHEETS, SEE SHEET NO. 2

BEGIN LOCATION 4
STA. 0+00
LAT: 38.5488 N
LONG: 89.8881 W
2008 ADT - 2,950
SU=3.0%
MU=1.0%

END LOCATION 3
STA. 133+70
LAT: 38.5617 N
LONG: 89.8740 W

C-98-067-10



BEGIN LOCATION 3
STA. 86+24
LAT: 38.5488 N
LONG: 89.8738 W
2008 ADT - 1,050
SU=2.0%
MU=0.5%

END LOCATION 4
STA. 3+00
LAT: 38.5486 N
LONG: 89.8870 W

END LOCATION 2
STA. 1156+84
LAT: 38.5476 N
LONG: 89.8655 W

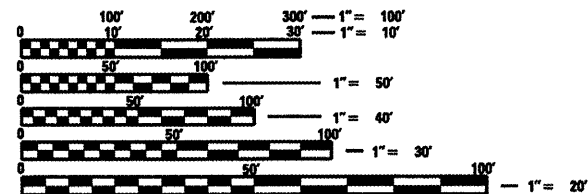
END LOCATION 1
STA. 154+70
LAT: 38.5196 N
LONG: 89.9286 W

BEGIN LOCATION 2
STA. 1121+60
LAT: 38.5486 N
LONG: 89.8749 W
2008 ADT - 15,600
SU=2.0%
MU=1.0%

BEGIN LOCATION 1
STA. 98+50
LAT: 38.5050 N
LONG: 89.9287 W
2008 ADT - 17,800
SU=3.7%
MU=1.6%

SHILOH VALLEY TOWNSHIP
MINOR ARTERIAL URBAN

GROSS LENGTH = 14,190 FT. = 2.7 MILE
NET LENGTH = 14,190 FT. = 2.7 MILE



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) 346-3155
PROJECT MANAGER: MICHAEL DROUIN (618) 566-6541

CONTRACT NO. 76D86

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 19 2010
May C. James
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 7 2010
Scott E. Stitt, P.E., I.B.
acting ENGINEER OF DESIGN AND ENVIRONMENT

May 7 2010
Christina M. Peader
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

INDEX OF SHEETS

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- 45.-48. ELECTRICAL DETAILS
49. DETAIL SHEETS

STANDARDS

- 000001-05
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- 701011-02
- 701201-03
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- 701306-02
- 701336-05
- 701601-06
- 701501-05
- 701502-03
- 701901-01
- 780001-02
- 781001-03
- 886001-01
- 886006-01

GENERAL NOTES

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
3. 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.
4. ROAD CONSTRUCTION AHEAD SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS INTERSECTING SIDE ROADS AND ENTRANCE RAMPS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR TRAFFIC CONTROL AND PROTECTION PAY ITEMS. ALL TRAFFIC CONTROL SIGNS SHALL BE (48" X 48") AND FLUORESCENT ORANGE.
5. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR ITS UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING AND/OR ITS UTILITIES EXIST 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.
6. CARE SHALL BE TAKEN AT ALL SIDE ROADS DURING MILLING OPERATIONS TO ENSURE THAT THE PROPOSED HMA RESURFACING WILL MEET THE EXISTING SIDE ROADS.
7. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
8. SIDE ROADS, ENTRANCES AND RAMPS SHALL BE KEPT OPEN TO TRAFFIC AT ALL TIMES.
9. FLAGGERS SHALL BE PRESENT DURING ALL DAYTIME LANE CLOSURE HOURS INCLUDING LUNCH HOUR PERIODS. WHEN FLAGGERS ARE NOT REQUIRED, FLAGGER SIGNS MUST BE REMOVED OR COVERED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
10. PRIOR TO MILLING OPERATIONS, THE RE/RT SHALL RECORD AND DOCUMENT ALL EXISTING PAVEMENT MARKINGS INCLUDING ALL LANE MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKINGS. AFTER COMPLETION OF HMA OVERLAY OPERATIONS THE PROPOSED PREFORMED PLASTIC PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED AT THE EXISTING DOCUMENTED LOCATIONS AND/OR AS DIRECTED BY THE RE/RT.
11. 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.
12. 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.
13. THE THICKNESS OF 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.
14. ALL PATCHING ON THIS PROJECT SHALL BE COMPLETED PRIOR TO BITUMINOUS SURFACE REMOVAL.
15. SHORT TERM PAVEMENT MARKING SHALL BE PLACED ON THE MILLED SURFACE, PRIMED SURFACE, LEVELING BINDER AND THE FINAL HMA SURFACE. ONLY REMOVAL FROM THE HMA SURFACE COURSE SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL (50 FT).
16. ALL TEMPORARY PAVEMENT MARKINGS PLACED ON THE FINAL SURFACE SHALL BE INSTALLED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE FINAL PERMANENT PAVEMENT MARKINGS.
17. THE CONTRACTOR SHALL CHECK ALL DETECTOR LOOPS AFTER HMA SURFACE REMOVAL OPERATIONS ARE COMPLETE, AND REPLACE ALL INOPERABLE LOOPS.
18. UTILITY MANHOLES AND VALVE VAULTS ARE PRESENT WITHIN AREAS TO BE MILLED AND/OR RESURFACED. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING CONSTRUCTION OPERATIONS, ANY DAMAGE SHALL BE REPAIRED AT THE CONTRACTORS' EXPENSE. ADJUSTMENT OF THESE APPURTENANCES SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS
19. EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES.
20. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
21. ILLINOIS LAW REQUIRES THAT 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE EXCAVATING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.L.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT LIMITS ARE AS FOLLOWS:
 AMEREN IP (AERIAL & BURIED GAS & ELECTRIC)
 AT&T ILLINOIS (AERIAL & BURIED COMMUNICATIONS)
 CHARTER COMMUNICATIONS, INC. (AERIAL & BURIED CABLE TV)
 BUCKEYE PARTNERS L.P. (BURIED PIPELINE)
 CASEYVILLE TOWNSHIP (BURIED SANITARY SEWER)
 CITY OF FAIRVIEW HEIGHTS (BURIED SANITARY SEWER)
 CITY OF O'FALLON (BURIED WATER & SANITARY SEWER)
 PAETEC (BURIED COMMUNICATIONS)
 QWEST SOLUTIONS CENTER (BURIED COMMUNICATIONS)

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

LOCATION #1

MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

ROUTE	VARIOUS ROUTES
SECTION	DIST & ROAD, 2000-4
COUNTY	ST. CLAIR
CONTRACT	76006

DESCRIPTION	SP- RESURFACING: SEIBERT RD. FROM JOHNSON RD. TO SCOTT AFB ENTRANCE.
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ADT (Construction Yrs)	2500
SUB	1
20 YR. ESAL'S	132

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % MAX	SEE SPEC.	SEE SPEC.	See Contract MAP
DESIGN AIR VOIDS	4.0% @ 1.0mm-30	4.0% @ 1.0mm-30	Special Provision
MIX COMPOSITION	11.12.5/9.5	11.9.5	2.0% @ 1.0mm-30
GRADATION MIXTURE	MIXTURE "D"	MIXTURE "C"	BM
FRICITION AGG			

MIXTURE USE			
AC/PG			
RAP % MAX			
DESIGN AIR VOIDS			
MIX COMPOSITION			
GRADATION MIXTURE			
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/CU YD/IN 69.8 KG/CU M/25 MM THICKNESS.

DETECTOR LOOP REPLACEMENT:

THIS WORK SHALL CONSIST OF FURNISHING AND INSTALLING A DETECTOR LOOP, TYPE 1, IN THE PAVEMENT IN CONFORMANCE WITH THE REQUIREMENTS OF THE PLANS, SECTIONS 886 & 873 OF THE STANDARD SPECIFICATIONS, AND STANDARDS 886001 AND 886006, WITH THE FOLLOWING EXCEPTIONS:

THE DEPTH OF THE SAWED SLOT SHALL BE AS REQUIRED TO PROVIDE A MINIMUM OF ONE INCH CLEARANCE BETWEEN THE SURFACE OF THE PAVEMENT AND THE TOP OF THE BACKER ROD. WHEN LOOPS ARE PLACED IN THE BINDER OR BASE COURSE OF BITUMINOUS PAVEMENT AND WILL BE COVERED BY AN ADDITIONAL SURFACE COURSE, THE CLEARANCE MAY BE REDUCED TO ONE-HALF INCH.

AT ALL LOCATIONS WHERE PAVEMENT JOINTS THAT ARE NOT DOWELED OR PAVEMENT SEPARATION CRACKS (INCLUDING AREAS WHERE BITUMINOUS PAVEMENT ABUTS CONCRETE PAVEMENT) ARE ENCOUNTERED BY THE SLOTS SAWED FOR THE PLACEMENT OF THE DETECTOR LOOPS OR LEAD-INS, A CORED EXPANSION HOLE SHALL BE MADE PER STANDARD 886001. THE CORED EXPANSION HOLES ARE INCLUDED IN THIS PAY ITEM AND NO ADDITIONAL COMPENSATION WILL BE MADE. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.

LOCATION #2

MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

ROUTE	VARIOUS ROUTES
SECTION	DIST & ROAD, 2000-4
COUNTY	ST. CLAIR
CONTRACT	76006

DESCRIPTION	SP- RESURFACING: GREENMOUNT RD. FROM IL 161 TO IL 158/177
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ADT (Construction Yrs)	1800
SUB	1
20 YR. ESAL'S	230

MIXTURE USE	POLY-SURFACE	LEVEL BINDER	PATCHING	Portul Depth Patch	SHOULDERS
AC/PG	SBS PG 16-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % MAX	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.	See Contract MAP
DESIGN AIR VOIDS	4.0% @ 1.0mm-30	4.0% @ 1.0mm-30	4.0% @ 1.0mm-30	4.0% @ 1.0mm-30	Special Provision
MIX COMPOSITION					2.0% @ 1.0mm-30
GRADATION MIXTURE	11.12.5/9.5	11.9.5	11.9.0		
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	MIXTURE "D"	BM

MIXTURE USE					
AC/PG					
RAP % MAX					
DESIGN AIR VOIDS					
MIX COMPOSITION					
GRADATION MIXTURE					
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/CU YD/IN 69.8 KG/CU M/25 MM THICKNESS.

LOCATION #3

MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

ROUTE	VARIOUS ROUTES
SECTION	DIST & ROAD, 2000-4
COUNTY	ST. CLAIR
CONTRACT	76006

DESCRIPTION	SP- RESURFACING: OLD IL 158 FROM SEIBERT RD. TO WHERRY RD.
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ADT (Construction Yrs)	1100
SUB	0.5
20 YR. ESAL'S	0.06

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS	Portul Depth Patch
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP % MAX	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ 1.0mm-30	4.0% @ 1.0mm-30	4.0% @ 1.0mm-30	4.0% @ 1.0mm-30
MIX COMPOSITION	11.12.5/9.5	11.9.5	11.9.0	
GRADATION MIXTURE	MIXTURE "C"	MIXTURE "C"	MIXTURE "B"	MIXTURE "C"
FRICITION AGG				

MIXTURE USE				
AC/PG				
RAP % MAX				
DESIGN AIR VOIDS				
MIX COMPOSITION				
GRADATION MIXTURE				
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/CU YD/IN 69.8 KG/CU M/25 MM THICKNESS.

STD: 886001, 886006			
SPECIAL PROVISION: DETECTOR LOOP REPLACEMENT (ATTACHED)			
PAY ITEMS:	158/177	WEATHERSTONE	GREENMOUNT RD
80300100 LOCATING UNDER GROUND CABLE	100	100	75
88600600 DETECTOR LOOP REPLACEMENT	00	00	00

AFTER ROTOMILLING THE ENGINEER SHALL CONTACT BUREAU OF OPERATIONS OF I.D.O.T. TO DETERMINE IF THE EXISTING LOOP IS OPERATIONAL. IF THE LOOP IS DAMAGED IT SHALL BE RE-CUT, RECONNECTED, AND FULLY OPERATIONAL WITHIN FIVE (5) WORKING DAYS.

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

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

DETECTOR LOOPS SHALL BE SPLICED INTO THE EXISTING LEAD-IN CABLES IN THE HANDHOLE. THE SPLICES SHALL BE MADE PER SECTION 873 OF THE STANDARD SPECIFICATIONS. ROSIN-CORE SOLDER SHALL BE USED. THE COST OF LABOR AND MATERIAL FOR REMOVING EXISTING DETECTOR LOOP CABLES FROM THE CONDUIT AND SPLICING INTO THE EXISTING LEAD-IN CABLES SHALL BE INCLUDED IN THE PAY ITEM DETECTOR LOOP REPLACEMENT.

LOCATING UNDERGROUND CABLES WILL BE PAID FOR SEPARATELY. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR DETECTOR LOOP REPLACEMENT, MEASURED ALONG THE SAWED SLOT IN THE PAVEMENT CONTAINING THE LOOPS AND LEAD IN, RATHER THAN THE ACTUAL LENGTH OF WIRE IN THE SLOT, WHICH PRICE SHALL BE PAYMENT IN FULL FOR FURNISHING, INSTALLING AND TESTING THE DETECTOR LOOP COMPLETE IN PLACE.

COMMITMENTS

NO COMMITMENTS

FILE NAME	USER NAME	DESIGNED	REVISED
ca\pe_sork\pavdist\alford\08175162\087606-ult-pla.rdg	alford	DRAWN	REVISED
		CHECKED	REVISED
		DATE	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
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GENERAL NOTES	
SCALE:	SHEET NO. OF SHEETS STA. TO STA.

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
ROADSIDE	DIST&ROAD 2000-4	ST. CLAIR	49 2
			CONTRACT NO. 76006
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

URBAN

100% STATE
1000

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	100% STATE			
				LOCATION 1	LOCATION 2	LOCATION 3	LOCATION 4
20200100	EARTH EXCAVATION	CU YD	157.33			157.33	
28100107	STONE RIPRAP, CLASS A4	SO YD	25	25			
28200200	FILTER FABRIC	SO YD	25	25			
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	1465		912	553	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1592.2	807.8	640	144.4	
40600990	TEMPORARY RAMP	SO YD	341.7	211.1	106.8	23.8	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	17.9	17.9			
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	11889.4			10856	1033.4
44003100	MEDIAN REMOVAL	SO FT	859	556	303		
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SO YD	341	202		124	15
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SO YD	246			169	77
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	283	105	93	74	11
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SO YD	944			944	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1202	435	696	49	22
60620000	CONCRETE MEDIAN, TYPE SB - 6.24	SO FT	859	556	303		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL NO	6	2	2	2	
67100100	MOBILIZATION	L SUM	1	0.25	0.25	0.25	0.25
70100200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701331	EACH	1	0.25	0.25	0.25	0.25
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.25	0.25	0.25	0.25
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.25	0.25	0.25	0.25
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.25	0.25	0.25	0.25
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.34		0.33	0.33
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	0.25	0.25	0.25	0.25
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.25	0.25	0.25	0.25
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	43178	31809	7000	3669	700
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	234	234			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	54413	21811	16850	14552	1200
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	550	550			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	562	562			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	180	180			

FILE NAME *	USER NAME * fmgtr	DESIGNED -	REVISED -
...	...	DRAWN -	REVISED -
...	...	CHECKED -	REVISED -
...	...	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

FAAD RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D-SURFACING 2010-4	ST. CLAIR	49	3
CONTRACT NO. 76086				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

URBAN

100% STATE
1000

TOTAL
QUANTITIES

LOCATION 1 LOCATION 2 LOCATION 3 LOCATION 4

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	LOCATION 1	LOCATION 2	LOCATION 3	LOCATION 4
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	3856.5	2621	368.3	817.2	50
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	234	234			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	54413	21811	16850	14552	1200
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	550	550			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	562	562			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	180	180			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	396	238	94	60	4
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	298	238		60	
80300100	LOCATING UNDERGROUND CABLE	FOOT	100	100			
40600300	AGGREGATE (PRIME COAT)	TON	104	40.4	42	19	2.6
40600200	BITUMINOUS MATERIAL (PRIME COAT)	TON	21.5	8.5	8.7	4	0.3
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	1100			1100	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1888		1824		64
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	1996	1996			
40800020	BITUMINOUS MATERIAL (PRIME COAT)	TON	0.2	0.2			
40800030	AGGREGATE (PRIME COAT)	TON	0.6	0.6			
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	1331	1331			

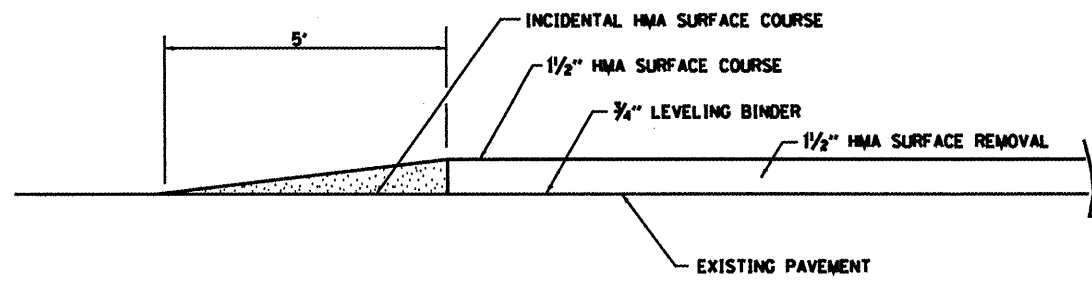
* SPECIALTY ITEM

FILE NAME *	USER NAME *	DESIGNED -	REVISED -
as\pe-work\pavedot\frayr\18176162\187648-shr-plandgn	frayr	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

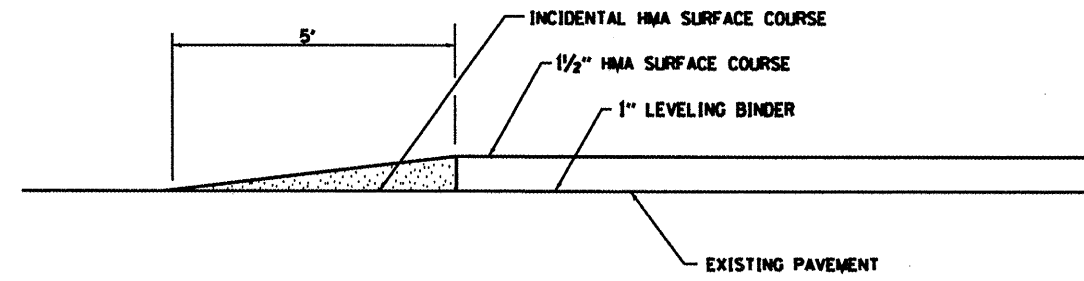
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

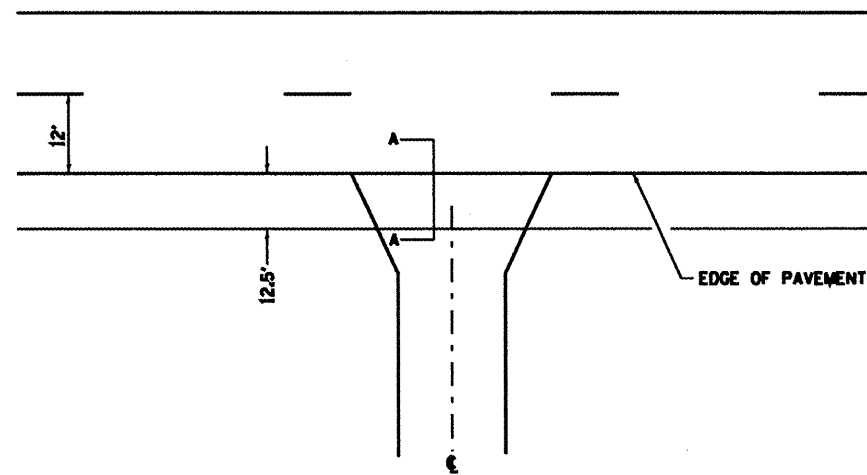
F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	D-BRESURFACING 2010-4	ST. CLAIR	49	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76066	



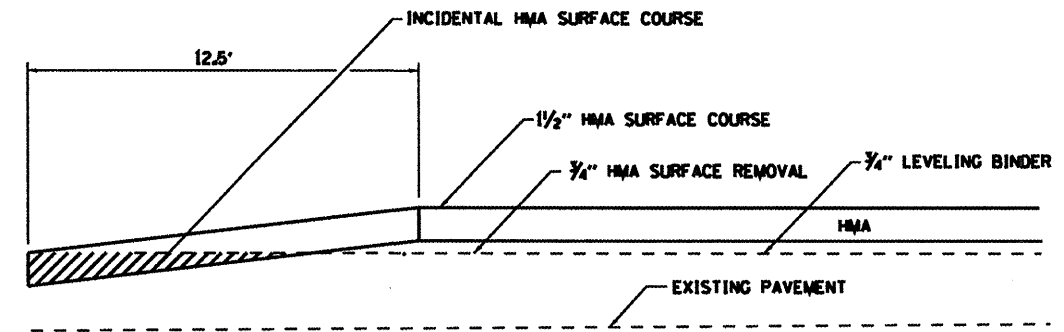
**LOCATION 1.3
FEATHER EDGE DETAIL
FOR ENTRANCES
SECTION A-A**



**LOCATION 1
FEATHER EDGE DETAIL
FOR ENTRANCES
SECTION A-A**



**LOCATION 1
PAVED SIDEROAD, WITH
CONSTRUCTION JOINT DETAIL**



**LOCATION 2
BUTT JOINT DETAIL FOR SIDEROADS
SECTION A-A**

NOT TO SCALE

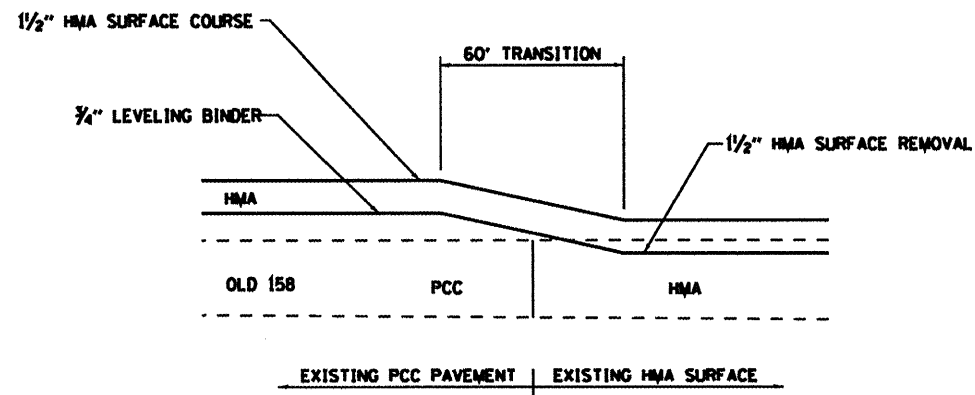
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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

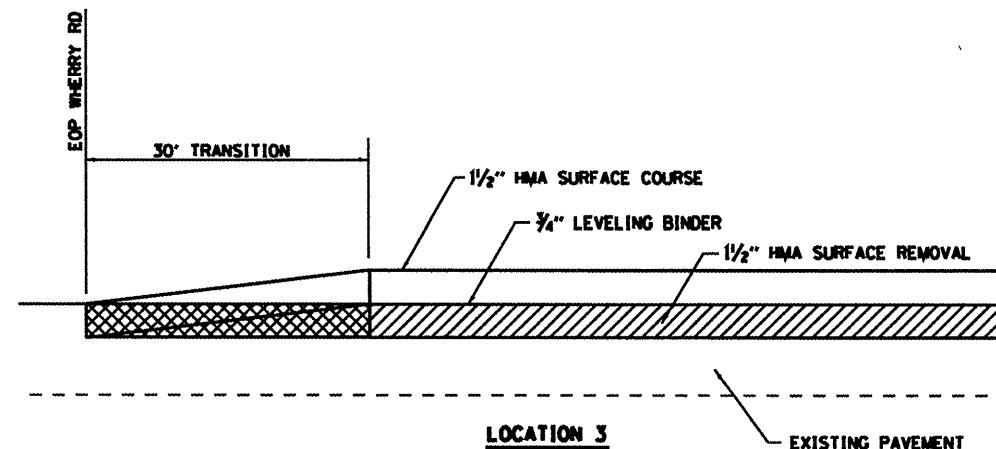
DETAIL SHEET

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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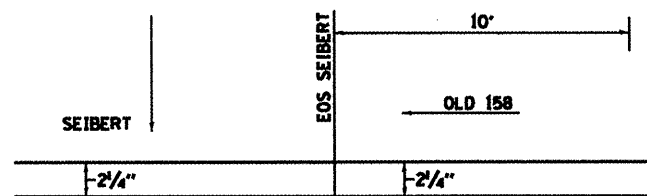
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTORSURFACING2010-4	ST. CLAIR	49	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76006	



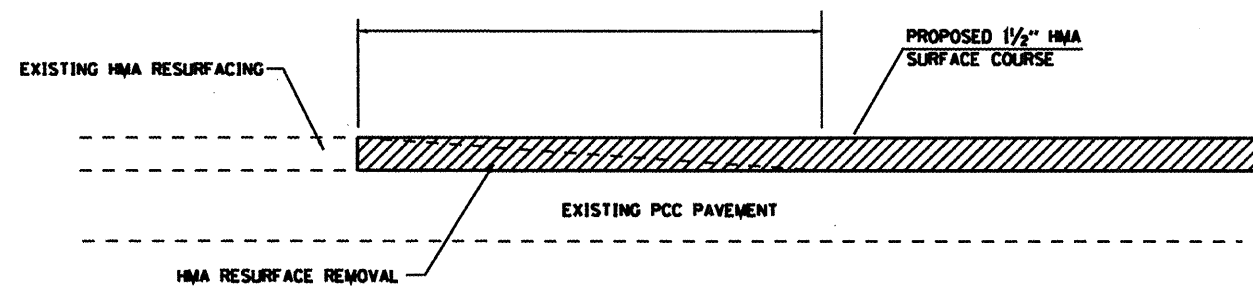
**LOCATION 3
JOINT DETAIL**



**LOCATION 3
CONSTRUCTION JOINT DETAIL**



**LOCATION 3
JOINT DETAIL**



**LOCATION 4
CONSTRUCTION JOINT DETAIL**

STA. 0+00 TO STA. 2+50

NOT TO SCALE

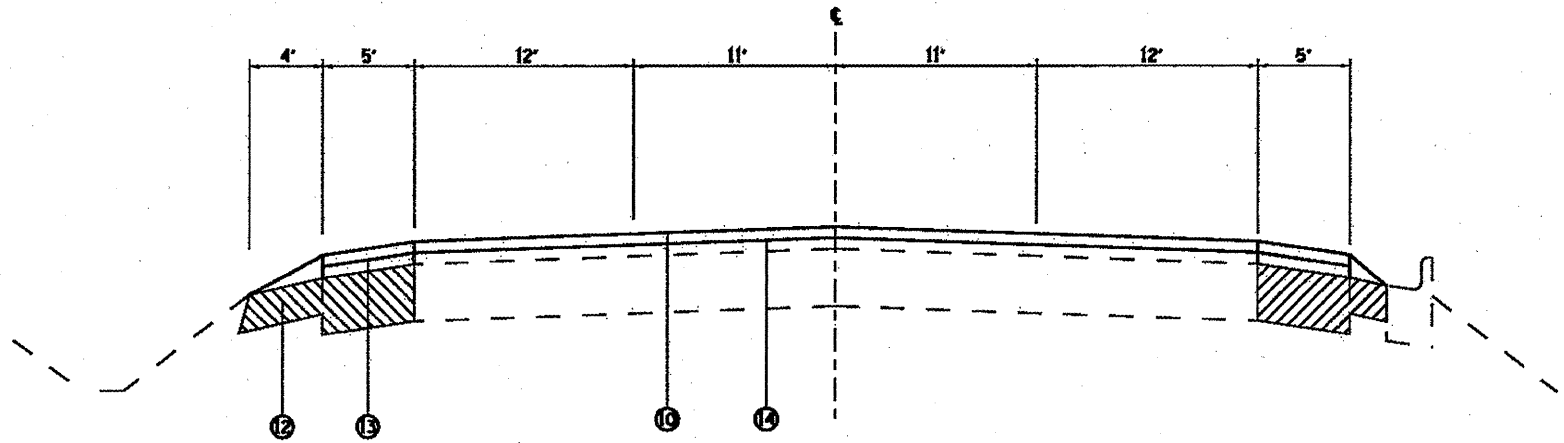
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	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -
	PLOT DATE = 3/16/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

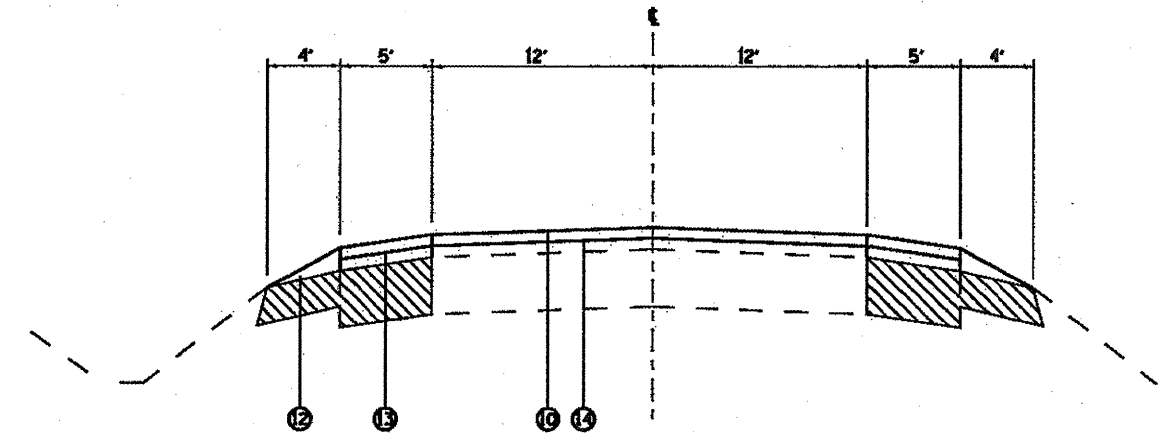
DETAIL SHEET

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

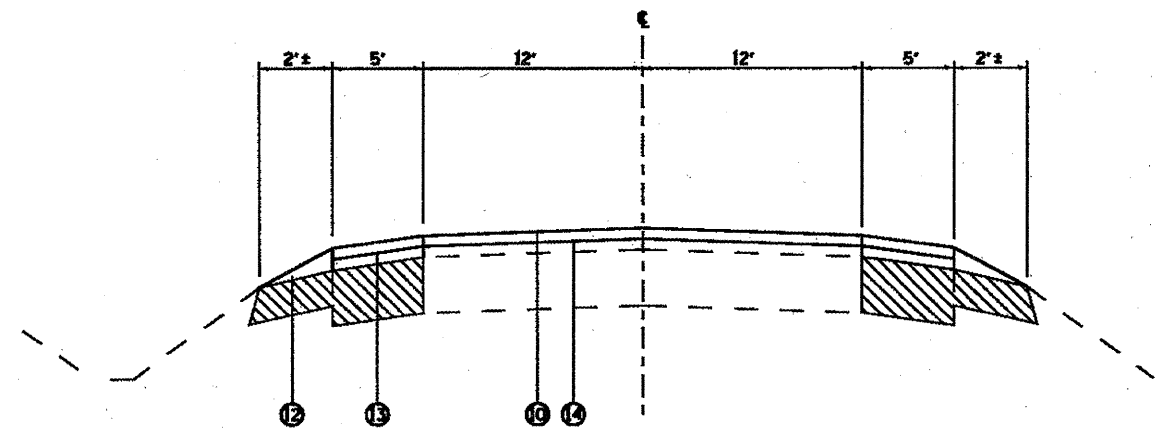
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
WHYBURN	DISTO RESURFACING 2010-4	ST. CLAIR	49	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76066	



LOCATION 1
PROPOSED TYPICAL SECTION
 STA. 98+50 TO STA. 108+50



LOCATION 1
PROPOSED TYPICAL SECTION
 STA. 108+50 TO STA. 129+50



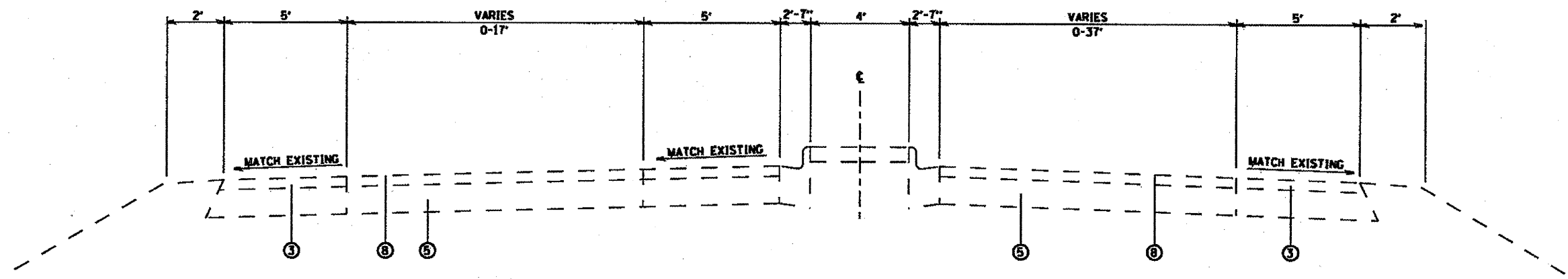
LOCATION 1
PROPOSED TYPICAL SECTION
 STA. 129+50 TO STA. 140+00

LEGEND

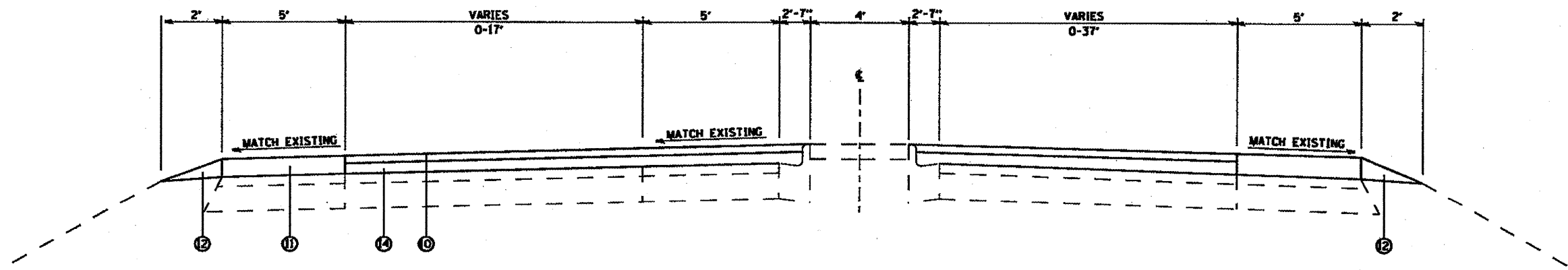
- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA SHOULDER
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING HMA PAVEMENT
- ⑤ EXISTING BASE COURSE WIDENING
- ⑥ EXISTING HMA SURFACE
- ⑦ PROPOSED HMA REMOVAL, 1 1/2"
- ⑧ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑨ PROPOSED HMA SHOULDER, 6"
- ⑩ PROPOSED AGGREGATE WEDGE SHOULDER
- ⑪ PROPOSED HMA SHOULDER
- ⑫ PROPOSED HMA LEVELING BINDER, 1"
- ⑬ PROPOSED HMA LEVELING BINDER, 3/4"

• A QUANTITY FOR AGGREGATE WEDGE SHOULDER HAS BEEN INCLUDED TO BE USED AT THE DISCRETION OF THE ENGINEER TO ELIMINATE DROP OFFS AT THE EDGE OF HMA SHOULDER.

FILE NAME	USER NAME = alfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEET NO.	
cr:\p\work\p\dot\alfordb\dot\175162\dot\075162-01-01-01.dgn		DRAWN -	REVISED -		SCALE	SHEET NO. OF SHEETS	STA. TO STA.	MINOR	DISTRESSURFACING2010-4	ST. CLAIR	49 8
		CHECKED -	REVISED -								CONTRACT NO. 76006
		DATE	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



LOCATION 1
EXISTING TYPICAL SECTION
 STA. 140+00 TO STA. 153+00



LOCATION 1
PROPOSED TYPICAL SECTION
 STA. 140+00 TO STA. 153+02

LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING HMA PAVEMENT
- ⑦ EXISTING BASE COURSE WIDENING
- ⑧ EXISTING HMA SURFACE
- ⑨ PROPOSED HMA REMOVAL, 1 1/2 "
- ⑩ PROPOSED HMA SURFACE COURSE, 1 1/2 "
- ⑪ PROPOSED HMA SHOULDER, 6"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER
- ⑬ PROPOSED HMA SHOULDER
- ⑭ PROPOSED HMA LEVELING BINDER, 1"
- ⑮ PROPOSED HMA LEVELING BINDER, 3/4 "

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FILE NAME *
 c:\pwork\p2010\14fordb\14175162\14175162.dwg

USER NAME * alfordb
 SS-shs-plan.dgn
 PLOT SCALE * 1/8"=1'-0"
 PLOT DATE * 4/23/2010

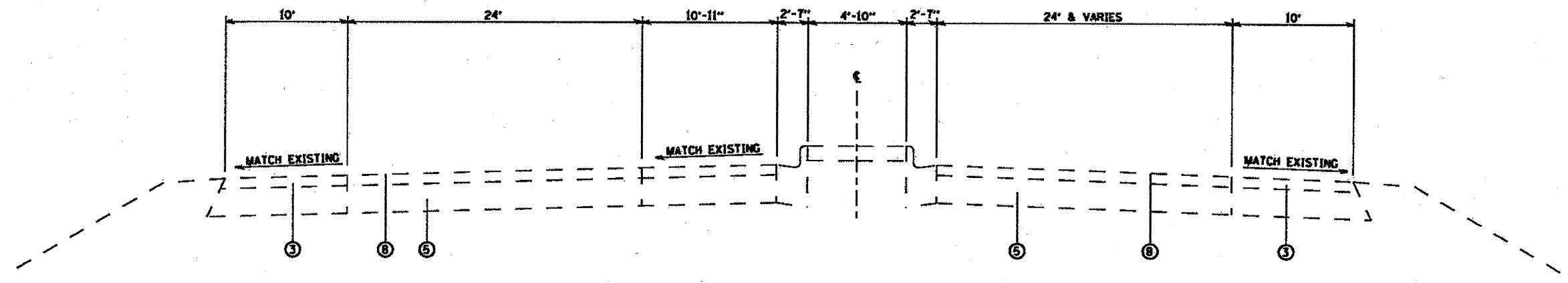
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

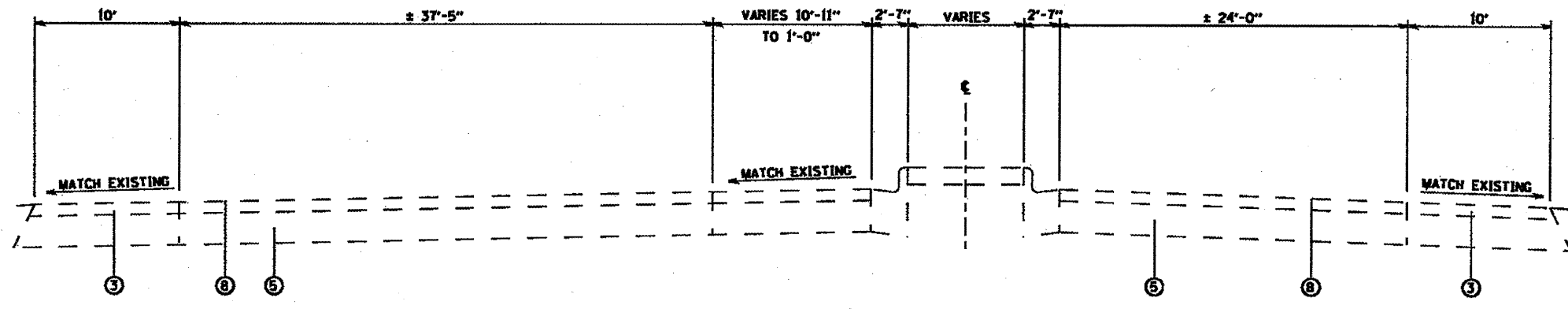
TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PARALLEL	DISTRESSURFACING2010-4	ST. CLAIR	49	9
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76006		



LOCATION 2
EXISTING TYPICAL SECTION SEIBERT RD.
 STA. 1119+40 TO STA. 1156+84



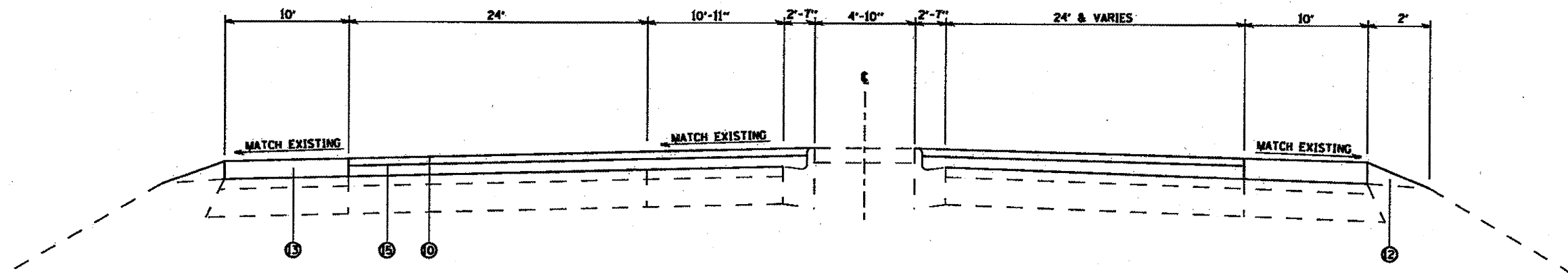
LOCATION 2
EXISTING TYPICAL SECTION SEIBERT RD.
 STA. 1133+12 TO STA. 1136+60
 STA. 1137+50 TO STA. 1140+50

LEGEND

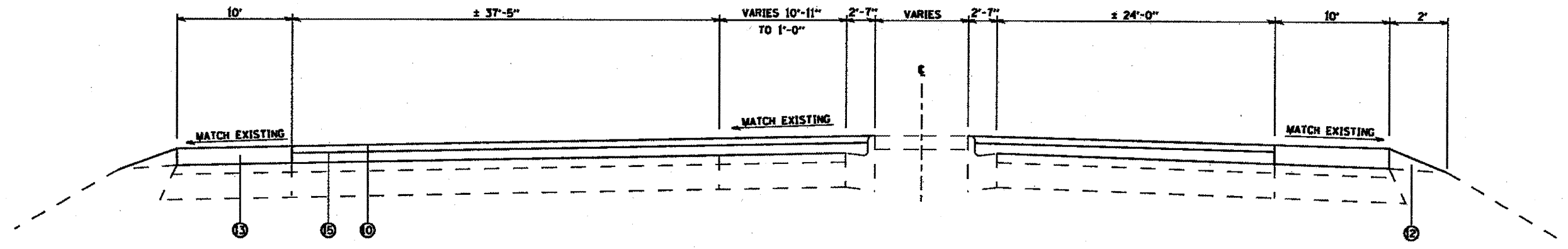
- ① EXISTING PCC PAVEMENT
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING HMA PAVEMENT
- ⑦ EXISTING BASE COURSE WIDENING
- ⑧ EXISTING HMA SURFACE
- ⑨ PROPOSED HMA REMOVAL, 1 1/2"
- ⑩ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑪ PROPOSED HMA SHOULDER, 6"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER
- ⑬ PROPOSED HMA SHOULDER
- ⑭ PROPOSED HMA LEVELING BINDER, 1"
- ⑮ PROPOSED HMA LEVELING BINDER, 3/4"

* A QUANTITY FOR AGGREGATE WEDGE SHOULDER HAS BEEN INCLUDED TO BE USED AT THE DISCRETION OF THE ENGINEER TO ELIMINATE DROP OFFS AT THE EDGE OF HMA SHOULDER.

FILE NAME *	USER NAME * alfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	
cd:\pe\work\pav\dot\alfordb\108175162\108175162.dgn	80-shr-p1andgn	DRAWN -	REVISED -			VARIOUS	DFSTORRESURFACING2010-4	ST. CLAIR	49	10
		CHECKED -	REVISED -			CONTRACT NO. 76006				
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	



LOCATION 2
PROPOSED TYPICAL SECTION SEIBERT RD.
 STA. 1119+40 TO STA. 1156+64



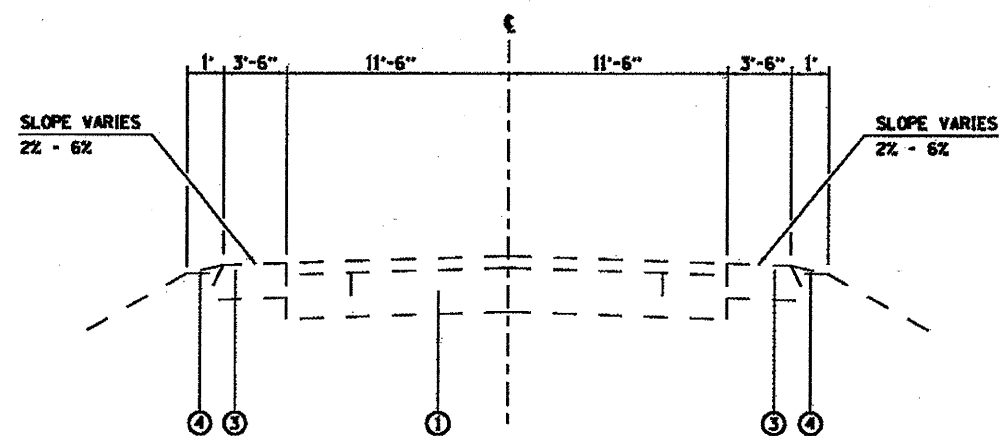
LOCATION 2
PROPOSED TYPICAL SECTION SEIBERT RD.
 STA. 1133+12 TO STA. 1136+60
 STA. 1137+50 TO STA. 1140+50

LEGEND

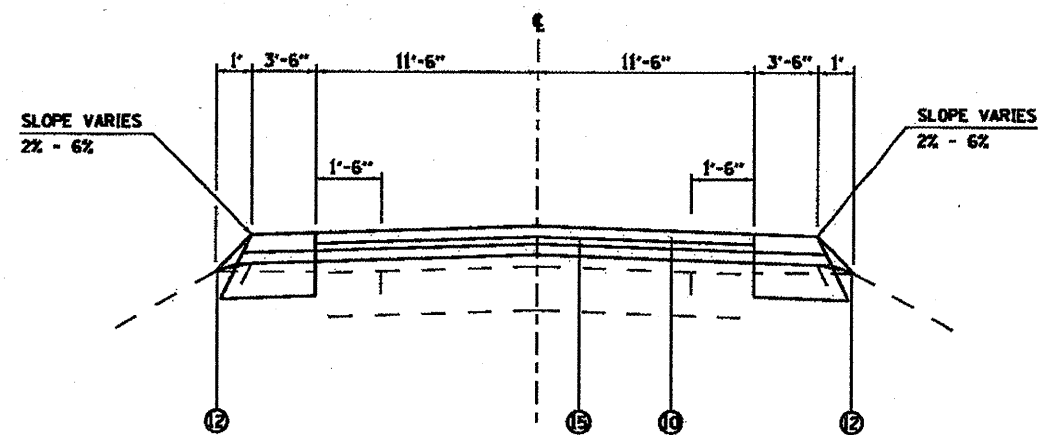
- ① EXISTING PCC PAVEMENT
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING HMA PAVEMENT
- ⑦ EXISTING BASE COURSE WIDENING
- ⑧ EXISTING HMA SURFACE
- ⑨ PROPOSED HMA REMOVAL, 1 1/2 "
- ⑩ PROPOSED HMA SURFACE COURSE, 1 1/2 "
- ⑪ PROPOSED HMA SHOULDER, 6"
- ⑫ PROPOSED AGGREGATE WEDGE SHOULDER
- ⑬ PROPOSED HMA SHOULDER
- ⑭ PROPOSED HMA LEVELING BINDER, 1"
- ⑮ PROPOSED HMA LEVELING BINDER, 3/4 "

* A QUANTITY FOR AGGREGATE WEDGE SHOULDER HAS BEEN INCLUDED TO BE USED AT THE DISCRETION OF THE ENGINEER TO ELIMINATE DROP OFFS AT THE EDGE OF HMA SHOULDER.

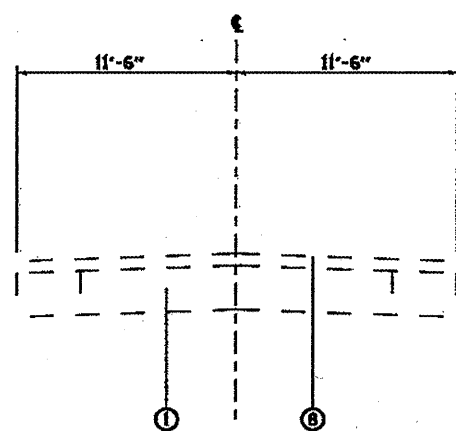
FILE NAME *	USER NAME * alfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
ca:\pwork\pudot\alfordb\175162\076	05-11-10-10-10-10	DRAWN -	REVISED -			ST. CLAIR	49	11	
		CHECKED -	REVISED -			CONTRACT NO. 76006			
		DATE -	REVISED -			STA. TO STA.			
				SCALE:	SHEET NO. OF SHEETS				



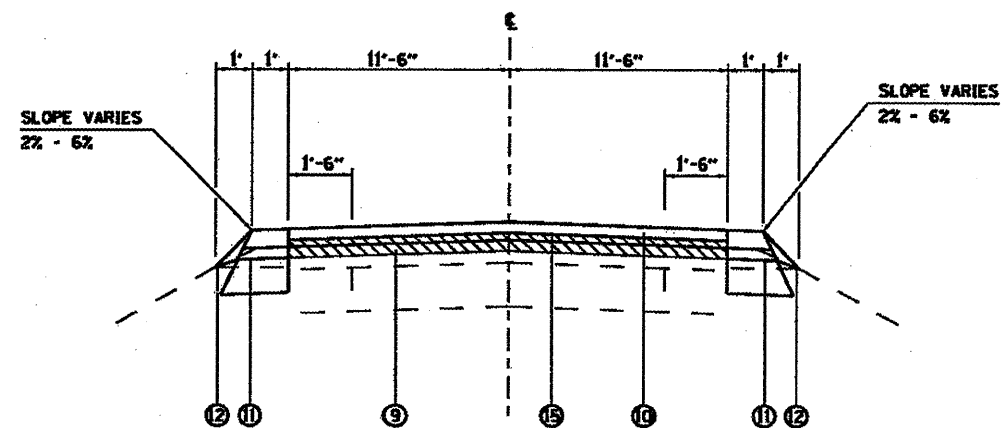
LOCATION 3
EXISTING TYPICAL SECTION
STA. 86+24 TO STA. 91+22



LOCATION 3
PROPOSED TYPICAL SECTION
STA. 86+24 TO STA. 91+22



LOCATION 3
EXISTING TYPICAL SECTION
STA. 91+22 TO STA. 133+70



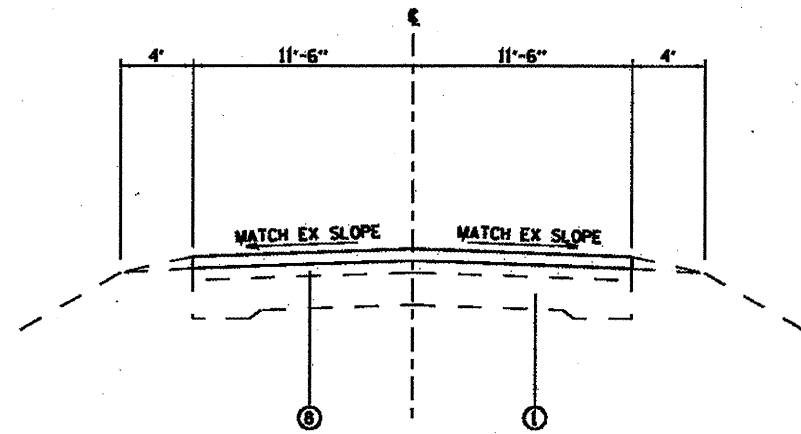
LOCATION 3
PROPOSED TYPICAL SECTION
STA. 91+22 TO STA. 133+70

LEGEND

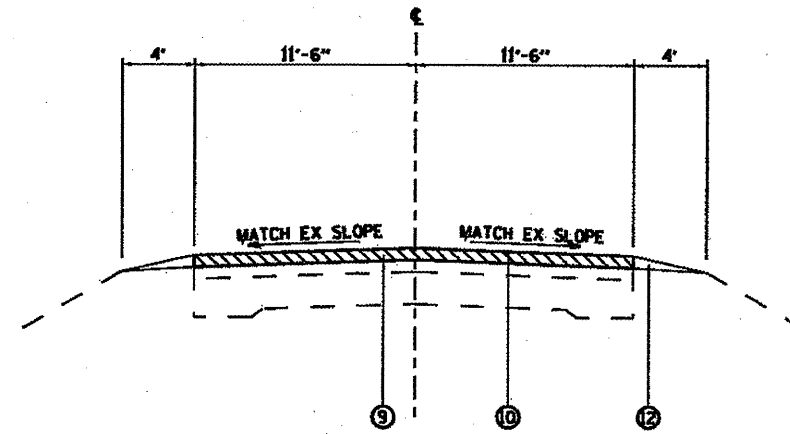
- ① EXISTING PCC PAVEMENT
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING HMA PAVEMENT
- ⑦ EXISTING BASE COURSE WIDENING
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- ⑨ PROPOSED HMA REMOVAL, 1 1/2 "
- ⑩ PROPOSED HMA SURFACE COURSE, 1 1/2 "
- ⑪ PROPOSED HMA SHOULDER, 6"
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- ⑭ PROPOSED HMA LEVELING BINDER, 1"
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* A QUANTITY FOR AGGREGATE WEDGE SHOULDER HAS BEEN INCLUDED TO BE USED AT THE DISCRETION OF THE ENGINEER TO ELIMINATE DROP OFFS AT THE EDGE OF HMA SHOULDER.

FILE NAME	USER NAME = alford	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. RITE	SECTION	COUNTY	TOTAL SHEET NO.	
of:\pwork\pendat\elford\0175162\097688-01-plandgn	DRWN -	REVISED -	REVISED -		SCALE	SHEET NO.	OF	SHEETS	STA.	TO STA.	DISTRICT
PLOT SCALE = 1/8" = 1' / 1/4"	CHECKED -	REVISED -	REVISED -								ST. CLAIR
PLOT DATE = 4/23/2018	DATE -	REVISED -	REVISED -								49 12
										CONTRACT NO. 76006	
										FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



LOCATION 4
EXISTING TYPICAL SECTION
 STA. 0+00 TO STA. 3+00



LOCATION 4
PROPOSED TYPICAL SECTION
 STA. 0+00 TO STA. 3+00

LEGEND

- ① EXISTING PCC PAVEMENT
- ③ EXISTING HMA SHOULDER
- ④ EXISTING AGGREGATE SHOULDER
- ⑤ EXISTING HMA PAVEMENT
- ⑦ EXISTING BASE COURSE WIDENING
- ⑧ EXISTING HMA SURFACE
- ⑨ PROPOSED HMA REMOVAL, 1 1/2 "
- ⑩ PROPOSED HMA SURFACE COURSE, 1 1/2 "
- ⑪ PROPOSED HMA SHOULDER, 6"
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- ⑮ PROPOSED HMA LEVELING BINDER, 3/4 "

* A QUANTITY FOR AGGREGATE WEDGE SHOULDER HAS BEEN INCLUDED TO BE USED AT THE DISCRETION OF THE ENGINEER TO ELIMINATE DROP OFFS AT THE EDGE OF HMA SHOULDER.

FILE NAME *	USER NAME = alFord	DESIGNED -	REVISED -
alFord\work\pav\alFord\alFord\17162\076	alFord	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTRESSURFACING2010-4	ST. CLAIR	49	13
FED. ROAD DIST. NO.			CONTRACT NO. 76086	

ENTRANCE SCHEDULE					
LOCATION	TYPE	WIDTH	BITUMINOUS (PRIME COAT)	AGGREGATE (PRIME COAT)	INCIDENTAL HMA SURFACE
(STATION)	(CE/PE)	(FOOT)	(TON)	(TON)	(TON)
LOCATION 1					
101+10	CE-RT	87	0.03	0.07	2.5
133+90	CE-LT	150	0.06	0.14	4.3
133+90	PE-RT	150	0.06	0.14	4.3
140+00	PE-LT	90	0.03	0.07	2.5
140+00	CE-RT	150	0.06	0.14	4.3
TOTAL			0.24	0.56	17.9

CONCRETE MEDIAN REPAIR SCHEDULE				
LOCATION	LENGTH	WIDTH	CONCRETE MEDIAN REMOVAL	CONCRETE MEDIAN
(STATION)	(FOOT)	(FOOT)	(SQ FT)	(SQ FT)
LOCATION 1				
143+10	7.0	4.5	31.5	31.5
144+36	5.0	4.5	22.5	22.5
146+20	5.0	4.5	22.5	22.5
146+31	5.0	4.5	22.5	22.5
147+11	10.0	4.5	45.0	45.0
148+32	6.0	4.5	27.0	27.0
149+20	3.5	4.5	15.8	15.8
150+13	3.0	4.5	13.5	13.5
150+28	20.0	4.5	90.0	90.0
150+37	12.0	4.5	54.0	54.0
150+80	10.0	4.5	45.0	45.0
151+12	12.0	4.5	54.0	54.0
151+29	12.0	4.5	54.0	54.0
151+46	2.0	4.5	9.0	9.0
152+59	11.0	4.5	49.5	49.5
LOCATION 2				
1121+60	6.0	5.5	33.0	33.0
1122+30	8.0	4.5	36.0	36.0
1133+50	6.0	4.8	28.8	28.8
1134+00	5.0	2.5	12.5	12.5
1137+50	8.0	5.3	42.4	42.4
1138+40	5.0	2.5	12.5	12.5
1143+20	7.0	5.5	38.5	38.5
1144+00	10.0	3.3	33.0	33.0
1146+00	5.0	4.3	21.5	21.5
1146+70	5.0	4.3	21.5	21.5
1154+40	6.0	4.0	24.0	24.0
TOTAL			859	859

BUTT JOINTS SCHEDULE		
LOCATION	TEMPORARY RAMPS	HMA SURFACE REMOVAL
(STATION)	(SQ YD)	(SQ YD)
LOCATION 1		
98+50	20	120
153+11	26.7	160
132+90	42.2	105.6
92+80 LT	44.4	111.1
92+80 RT	44.4	111.1
153+02	33.4	200
LOCATION 2		
1119+40 LT	26.7	160
1119+40 RT	26.7	160
1156+84 LT	26.7	160
1156+84 RT	26.7	160
LOCATION 3		
86+24	12.7	77.7
133+70	11.1	66.7
TOTAL	341.7	1592.2

HOT-MIX ASPHALT RESURFACING SCHEDULE							
LOCATION	HMA SURFACE REMOVAL 1 1/2"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MACHINE METHOD) N90	POLY HMA SURFACE COURSE N90	HMA SHOULDERS	AGGREGATE SHOULDERS
(STATION)	(SQ YD)	(TON)	(TON)	(TON)	(TON)	(TON)	(TON)
LOCATION 1							
98+50-153+02		7.4	35.6	1331	1996		
98+50-102+50		0.2	1.0			74.7	23
102+50-108+50		0.1	0.7			37.3	14.8
108+90-125+00		0.3	1.3			125.2	29.8
125+00-130+00		0.1	0.9			38.9	18.8
130+00-153+02		0.4	0.9			158.7	18.8
TOTAL	0	8.5	40.4	1331	1996	435	105

HOT-MIX ASPHALT RESURFACING SCHEDULE							
LOCATION	HMA SURFACE REMOVAL 1 1/2"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MACHINE METHOD) N70	HMA SURFACE COURSE N70	HMA SHOULDERS	AGGREGATE SHOULDERS
(STATION)	(SQ YD)	(TON)	(TON)	(TON)	(TON)	(TON)	(TON)
LOCATION 2							
1119+40							
1126+00		1.0	5.2	146.8	293.7	120.4	16.4
1133+12		1.6	7.5	165.5	331.1	132.9	17.8
1138+00		1.3	5.6	126.6	253.2	91.1	12
1143+20		1.2	5.5	123.2	245.7	97.1	12.8
1148+00		1.2	5.5	120.9	241.8	89.6	11.8
1156+84		2.1	10.1	229	458.1	165	21.8
LOCATION 4							
0+00	1033.4	0.3	2.6		64	22	11
3+00							
TOTAL	1033	9	42	912	1888	718	104

HOT-MIX ASPHALT RESURFACING SCHEDULE								
LOCATION	HMA SURFACE REMOVAL 1 1/2"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MACHINE METHOD) N70	HMA SURFACE COURSE N70	HMA SHOULDERS	HMA SHOULDERS 6"	AGGREGATE SHOULDERS
(STATION)	(SQ YD)	(TON)	(TON)	(TON)	(TON)	(TON)	(SQ YD)	(TON)
LOCATION 3								
86+24	CONCRETE	0.5	2.5	54	107	49		8
91+22	1477.1	0.5	2.2	68	135		128	9
97+00	1277.8	0.4	1.9	59	117		111	8
102+00	1277.8	0.4	1.9	59	117		111	8
107+00	2044.4	0.6	3.1	94	187		178	12
115+00	2044.4	0.6	3.1	94	187		178	12
123+00	2734.4	0.9	4.1	125	250		238	17
133+70								
TOTAL	10856	4	19	553	1100	49	944	74

PAVEMENT PATCHING SCHEDULE					
LOCATION	LANE	LENGTH	LANE WIDTH	PAVEMENT PATCH DEPTH	PAVEMENT PATCHING TYPE II
(STATION)	(LT/RT)	(FOOT)	(FOOT)	(INCH)	(SQ YD)
LOCATION 1					
133+90	LT	6	12	12	8.0
130+96	LT	6	12	12	8.0
128+90	LT	6	12	12	8.0
128+00	LT	6	12	12	8.0
128+00	RT	6	12	12	8.0
126+90	LT	6	12	12	8.0
126+00	RT	6	12	12	8.0
126+00	LT	6	12	12	8.0
124+90	LT	6	12	12	8.0
123+90	LT	6	12	12	8.0
123+90	RT	6	12	12	8.0
122+90	RT	6	12	12	8.0
122+90	LT	6	12	12	8.0
120+32	RT	6	12	12	8.0
120+32	LT	6	12	12	8.0
118+00	RT	6	12	12	8.0
118+00	LT	6	12	12	8.0
113+50	LT	6	12	12	8.0
112+90	RT	6	12	12	8.0
108+00	RT	6	12	12	8.0
108+00	LT	6	12	12	8.0
110+90	RT	6	12	12	8.0
SUBTOTAL					176.0
ANTICIPATED FAILURES (15%)					26.4
TOTAL					202

PAVEMENT PATCHING SCHEDULE						
LOCATION	LANE	LENGTH	LANE WIDTH	PAVEMENT PATCH DEPTH	PAVEMENT PATCHING TYPE II	PAVEMENT PATCHING TYPE IV
(STATION)	(LT/RT)	(FOOT)	(FOOT)	(INCH)	(SQ YD)	(SQ YD)
LOCATION 3						
86+45	LT	6.0	11.5	12.0	7.7	
86+50	LT	6.0	11.5	12.0	7.7	
86+52	LT	6.0	11.5	12.0	7.7	
86+58	LT	6.0	11.5	12.0	7.7	
87+65	LT	6.0	11.5	12.0	7.7	
87+65	LT	6.0	11.5	12.0	7.7	
87+70	RT	6.0	11.5	12.0	7.7	
87+70	LT	6.0	11.5	12.0	7.7	
87+80	RT	6.0	11.5	12.0	7.7	
87+80	LT	6.0	11.5	12.0	7.7	
87+90	RT	6.0	11.5	12.0	7.7	
87+90	LT	6.0	11.5	12.0	7.7	
97+89	RT	6.0	11.5	12.0	7.7	
113+70	RT	6.0	11.5	12.0	7.7	
124+40	CL	60.0	6.0	12.0		40.0
131+41	CL	27.0	11.5	12.0		34.5
132+50	CL	109.0	6.0	12.0		72.7
LOCATION 4						
111+04	LT	11.0	11.0	12.0	13.4	
111+72	RT	100.0	6.0	12.0		66.6
SUBTOTAL					120.7	213.8
ANTICIPATED FAILURES (15%)					18.1	32.1
TOTAL					139	246

RIPRAP SCHEDULE			
LOCATION	OFFSET	RIPRAP, A4	FILTER FABRIC
(STATION)	(FOOT)	(SQ YD)	(SQ YD)
LOCATION 1			
130+64-130+80	31.3 LT	12	12
135+83.5-135+99	29.5 LT	13	13
TOTAL		25	25

THERMOPLASTIC PAVEMENT MARKING SCHEDULE									
LOCATION	LINE 4 INCH				LINE 8 INCH	LINE 12 INCH		LINE 24 INCH	LETTERS & SYMBOLS
	SOLID WHITE	SOLID YELLOW	WHITE SKIP DASH	YELLOW SKIP DASH	SOLID WHITE	SOLID WHITE	SOLID YELLOW	SOLID WHITE	
(STATION)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(SQ FT)
LOCATION 1									
98+50 to 101+80	660	1120	150		200	128		48	46.8
101+80 to 107+80	1200	3000	300				133		
107+80 to 125+40	3600			440					
125+40 to 129+50	820	838							
129+50 to 132+67	668	555		60		115		30	31.2
133+32 to 136+61	757	667		60				24	31.2
136+61 to 141+50	978	1000							
SWIC Entrance						30			
WEATHERSTONE						16			
141+50 to 144+80	660	700	160						
144+80 to 153+02	1644	1644	130		350	140		78	124.8
TOTAL			21,811		550	562		180	234.0

THERMOPLASTIC PAVEMENT MARKING SCHEDULE				
LOCATION	LINE 4 INCH			
	SOLID WHITE	SOLID YELLOW	WHITE SKIP DASH	YELLOW SKIP DASH
(STATION)	(FOOT)	(FOOT)	(FOOT)	(FOOT)
LOCATION 2				
1119+40-1156+84	7480	7480	1890	
LOCATION 3				
86+24-106+20	3792			480
105+20-127+30	4420	4420		
127+30-133+70	1280			160
LOCATION 4				
0+00-3+00	600	600		
TOTAL				32602

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		CHECKED -	REVISED -
		DATE: 8/23/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

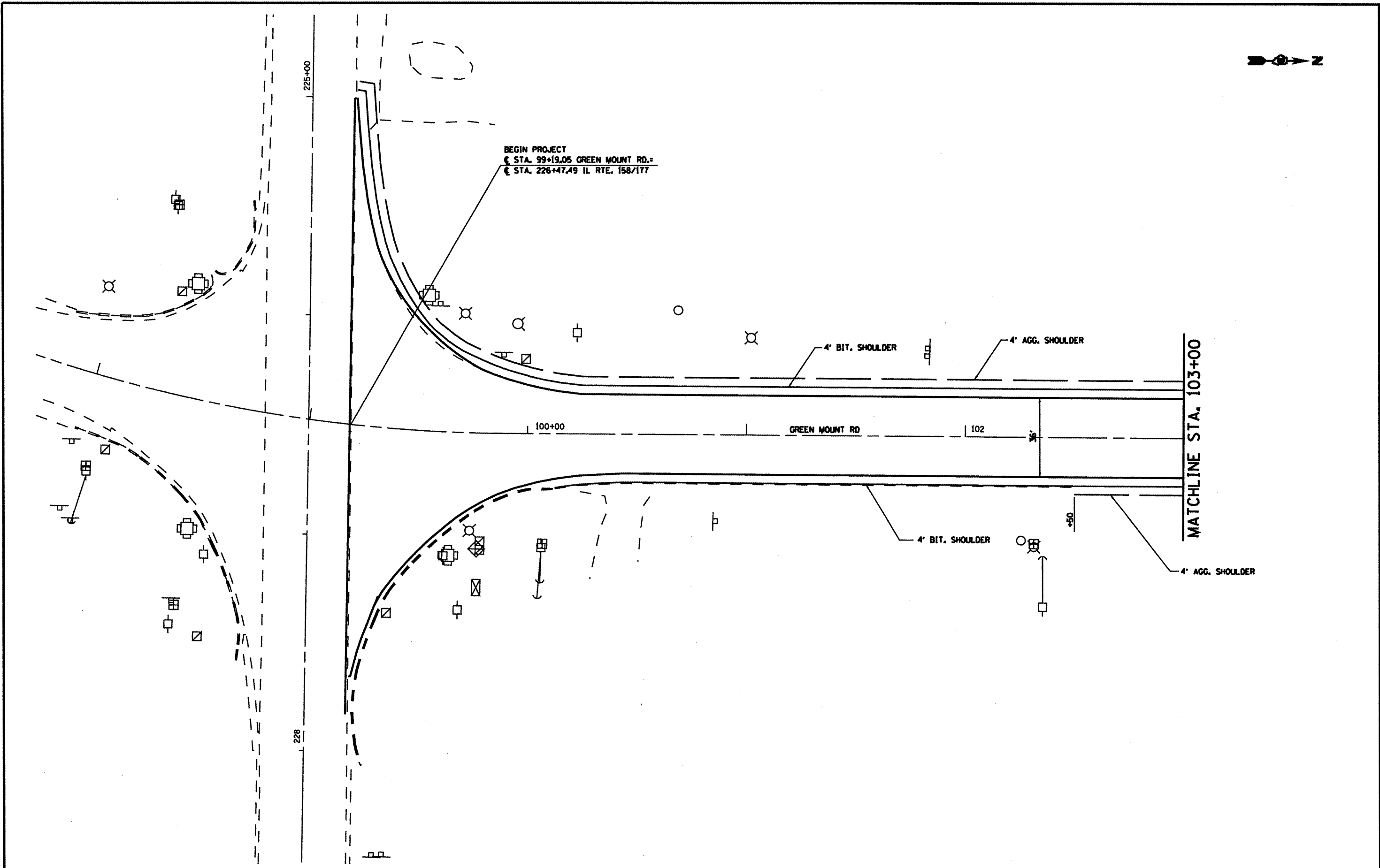
SCHEDULES

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			VARNOIS	DISTORSURFACING2010-4	ST. CLAIR	49	15
			FED. ROAD DIST. NO. ILL. HIGHWAY DIST. NO. PROJECT				CONTRACT NO. 76006

TEMPORARY PAVEMENT MARKING SCHEDULE				
LOCATION	LINE 4 INCH			
	SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)	WHITE SKIP DASH (FOOT)	YELLOW SKIP DASH (FOOT)
LOCATION 2				
1119+40-1156+84	7480	7480	1890	
LOCATION 3				
86+24-105+20	3792			480
105+20-127+30	4420	4420		
127+30-133+70	1280			160
LOCATION 4				
0+00-3+00	600	600		
TOTAL	32602			

TEMPORARY PAVEMENT MARKING SCHEDULE									
LOCATION	LINE 4 INCH				LINE 8 INCH (FOOT)	LINE 12 INCH		LINE 24 INCH	LETTERS & SYMBOLS (SQ FT)
	SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)	WHITE SKIP DASH (FOOT)	YELLOW SKIP DASH (FOOT)		SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)	SOLID WHITE (FOOT)	
LOCATION 1									
98+50 to 101+80	660	1120	150		200	128		48	46.8
101+80 to 107+80	1200	3000	300				133		
107+80 to 125+40	3600			440					
125+40 to 129+50	820	838							
129+50 to 132+67	668	555		60		115		30	31.2
133+32 to 136+61	757	667		60				24	31.2
136+61 to 141+50	978	1000							
SWIC Entrance						30			
WEATHERSTONE						16			
141+50 to 144+80	660	700	160						
144+80 to 153+02	1644	1644	130		350	140		78	124.8
TOTAL	21,811				550	562		180	234.0

RAISED PAVEMENT MARKERS SCHEDULE				
LOCATION	RAISED REFLECTOR PAVEMENT MARKERS ONE WAY CRYSTAL (EACH)	RAISED REFLECTOR PAVEMENT MARKERS ONE WAY AMBER (EACH)	RAISED REFLECTOR PAVEMENT MARKERS TWO WAY AMBER (EACH)	RAISED REFLECTOR PAVEMENT MARKERS REMOVAL (EACH)
LOCATION 1				
98+50	79	60	99	238
153+02				
LOCATION 2				
1119+40	94			
1156+84				
LOCATION 3				
86+24			60	60
133+70				
LOCATION 4				
0+00			4	
3+00				
SUBTOTAL	173	60	163	298
TOTAL	396			298



BEGIN PROJECT
 STA. 99+19.05 GREEN MOUNT RD.
 STA. 226+47.49 IL. RTE. 158/177

MATCHLINE STA. 103+00

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 PLOT SCALE = 48.1626' / IN.
 PLOT DATE = 3/16/2010

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

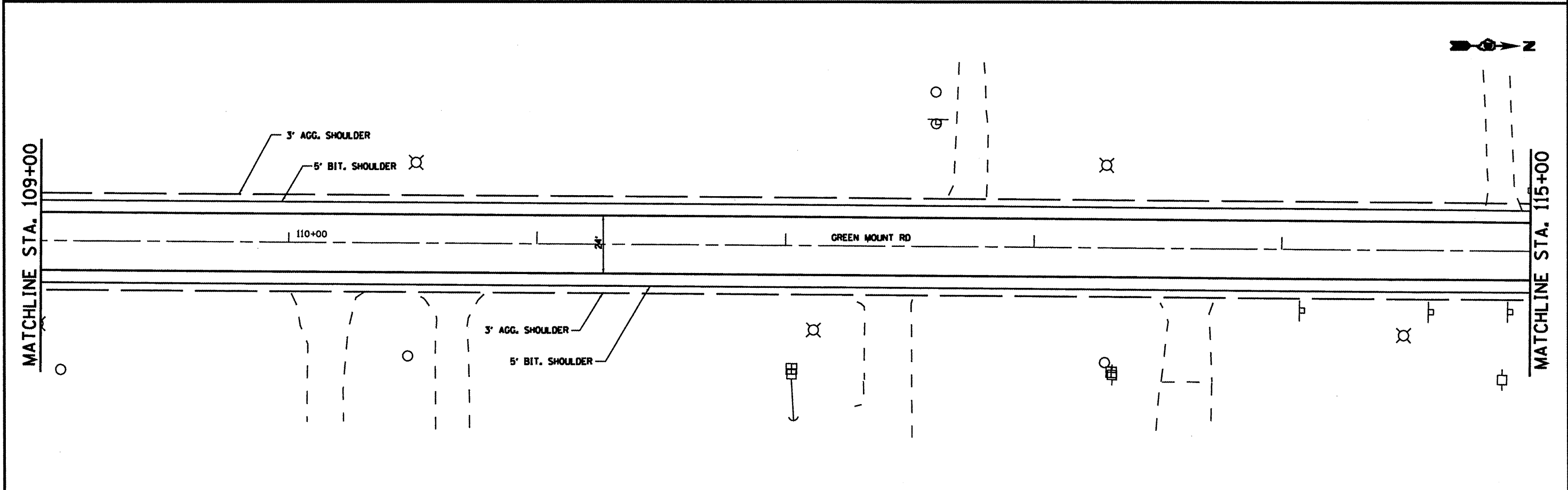
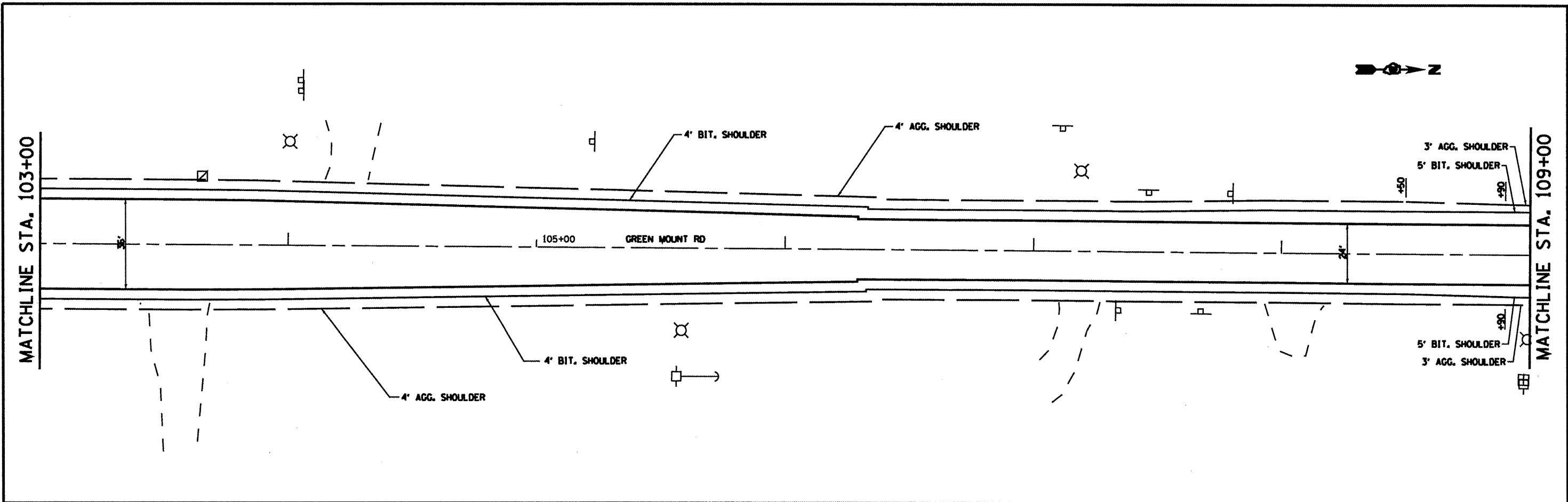
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LOCATION #1 PLAN SHEET

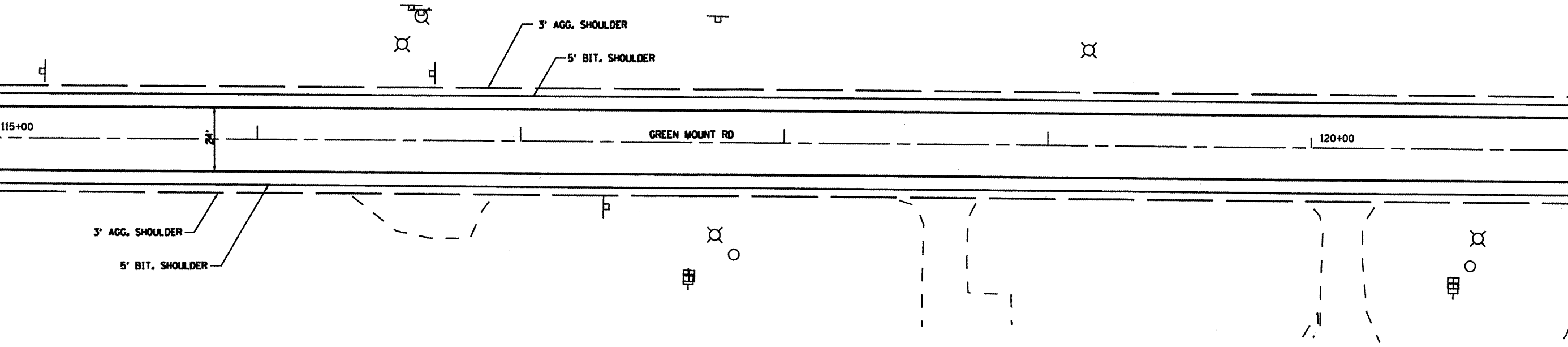
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTOBSURFACING2010-4	ST. CLAIR	49	17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76066	



FILE NAME *	USER NAME * Fraytor	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #1 PLAN SHEET		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
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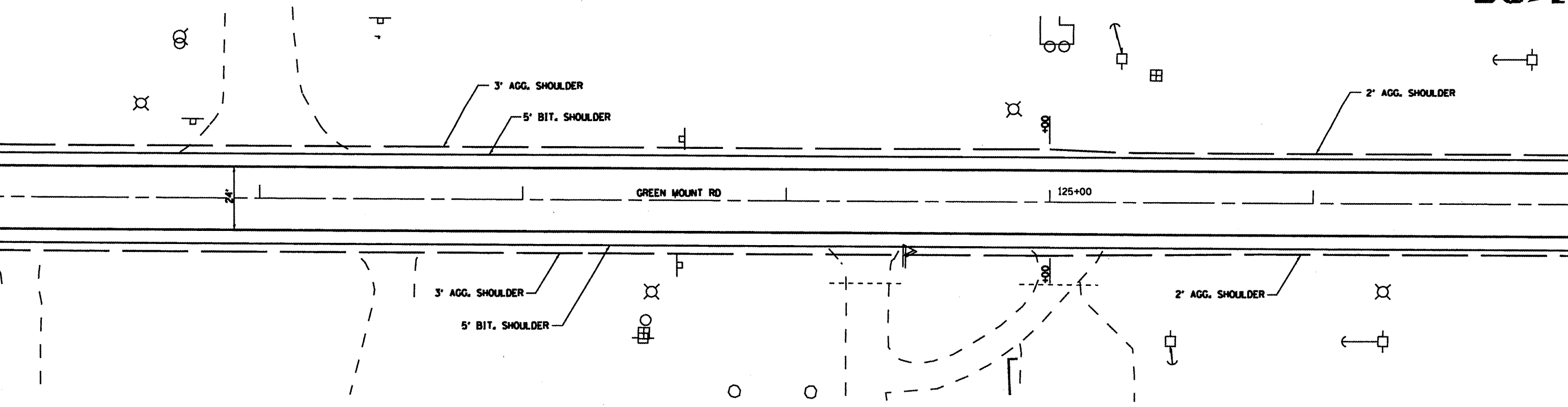
MATCHLINE STA. 115+00



MATCHLINE STA. 121+00



MATCHLINE STA. 121+00



MATCHLINE STA. 127+00



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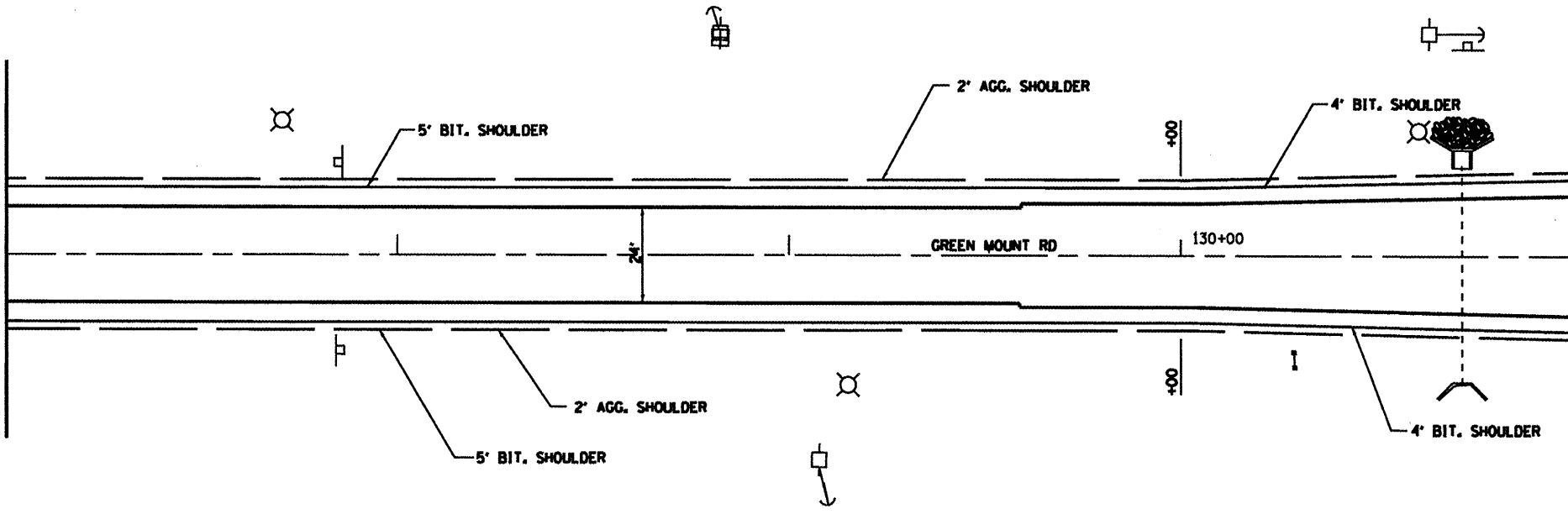
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #1 PLAN SHEET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7400R03	DISTRESSURFACING2010-4	ST. CLAIR	49	19
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76086		



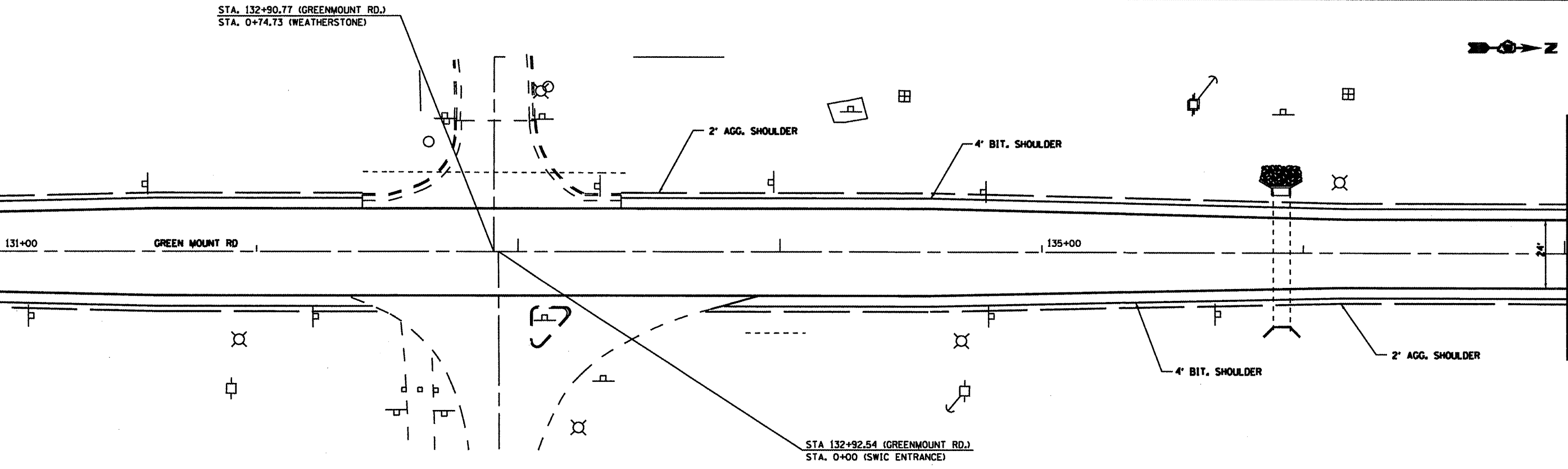
MATCHLINE STA. 127+00



MATCHLINE STA. 131+00



MATCHLINE STA. 131+00



MATCHLINE STA. 137+00

STA. 132+90.77 (GREENMOUNT RD.)
STA. 0+74.73 (WEATHERSTONE)

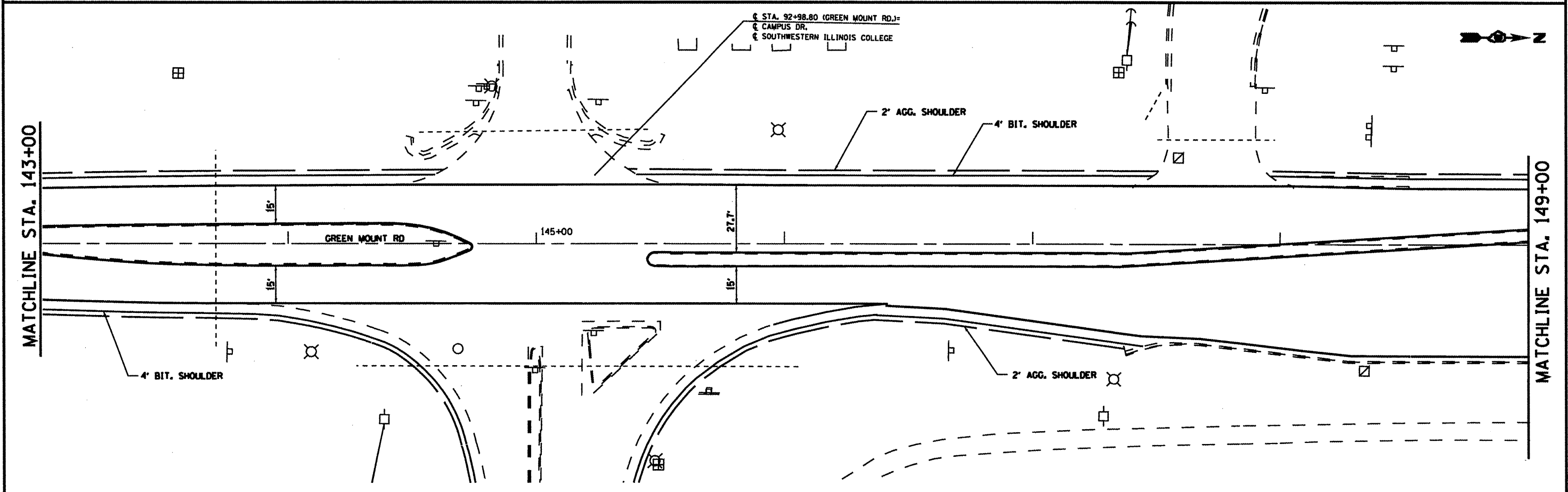
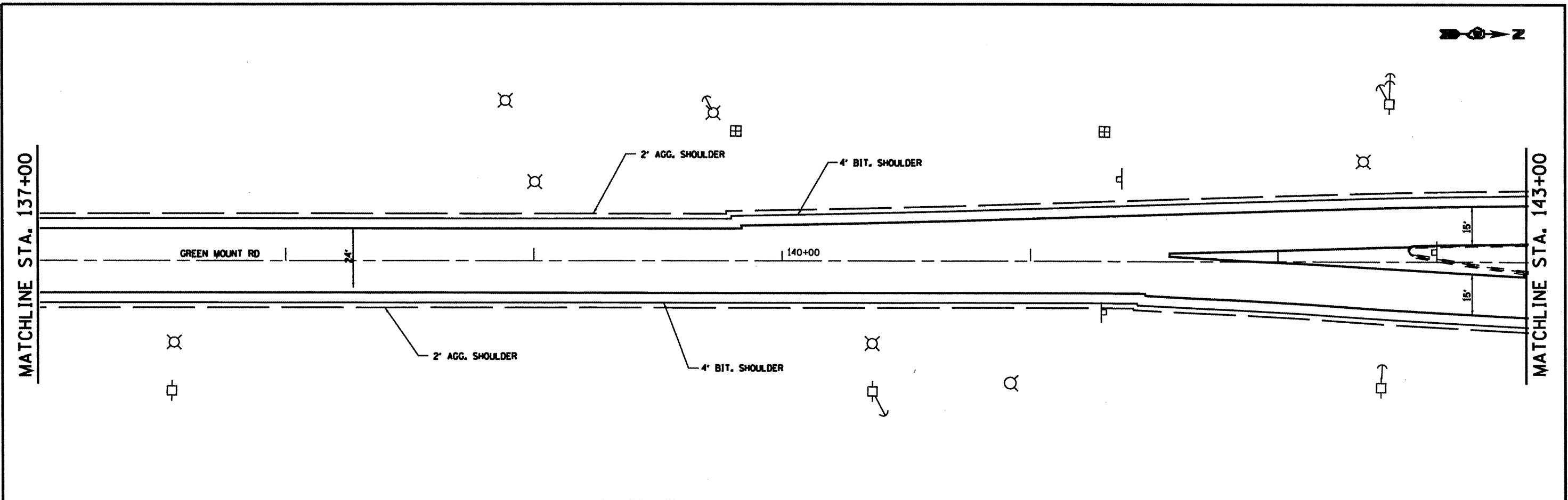
STA. 132+92.54 (GREENMOUNT RD.)
STA. 0+00 (SWIC ENTRANCE)

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	PLOT DATE = 3/16/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #1 PLAN SHEET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.P.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTOR&SURFACING2010-4	ST. CLAIR	49	20
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76086	



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #1 PLAN SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTRESSURFACING2010-4	ST. CLAIR	49	21
FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT				
CONTRACT NO. 76006				

END PROJECT
 @ STA. 115+83.59 (IL RTE. 161)
 @ STA. 153+01.20 (LITTLE OAK MINE RD.)
 @ STA. 100+00.00 (GREEN MOUNT RD.)



MATCHLINE STA. 149+00

4' BIT. SHOULDER
 2' AGG. SHOULDER

15'

150+00

48'

IL RTE 161

00+511

GREEN MOUNT RD

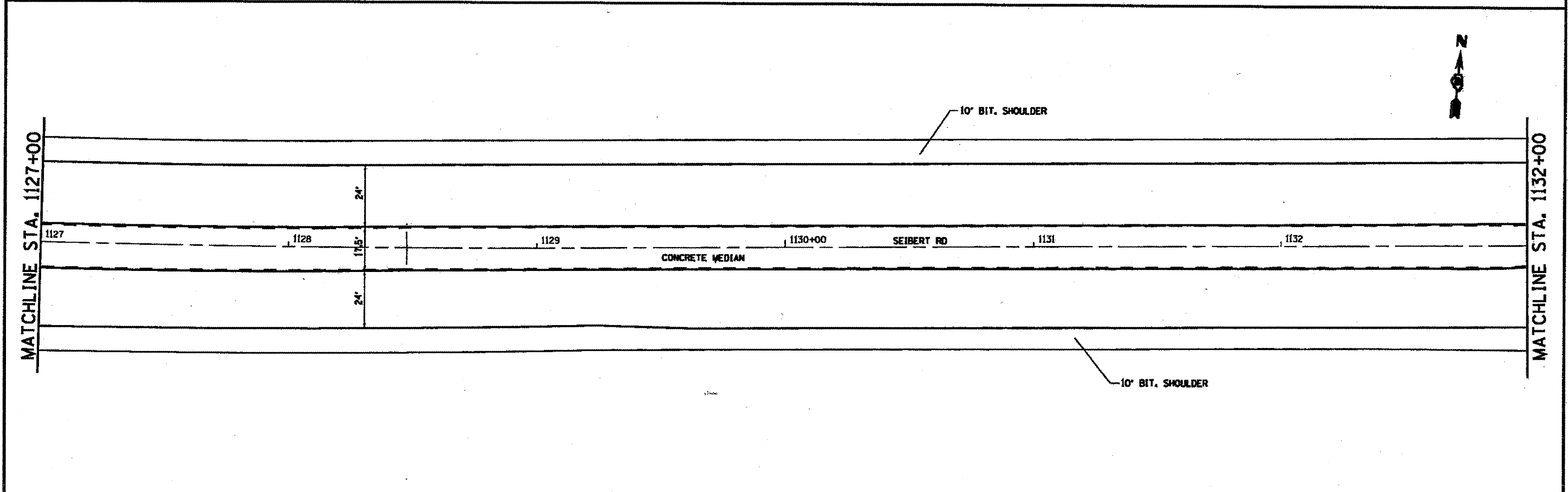
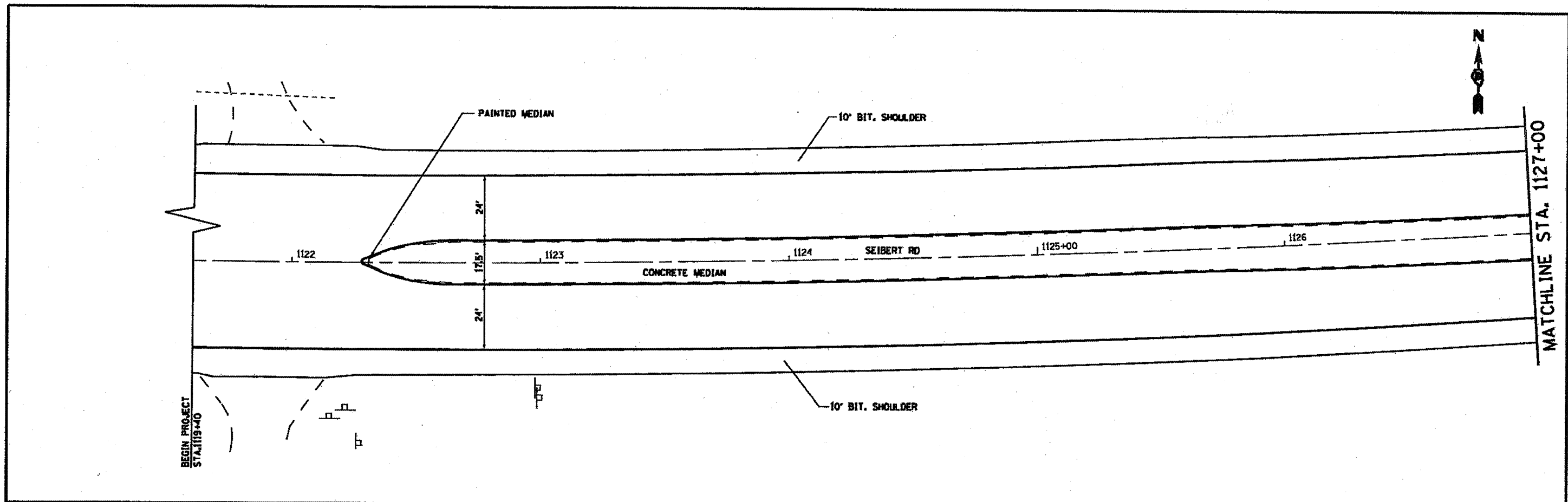
155+

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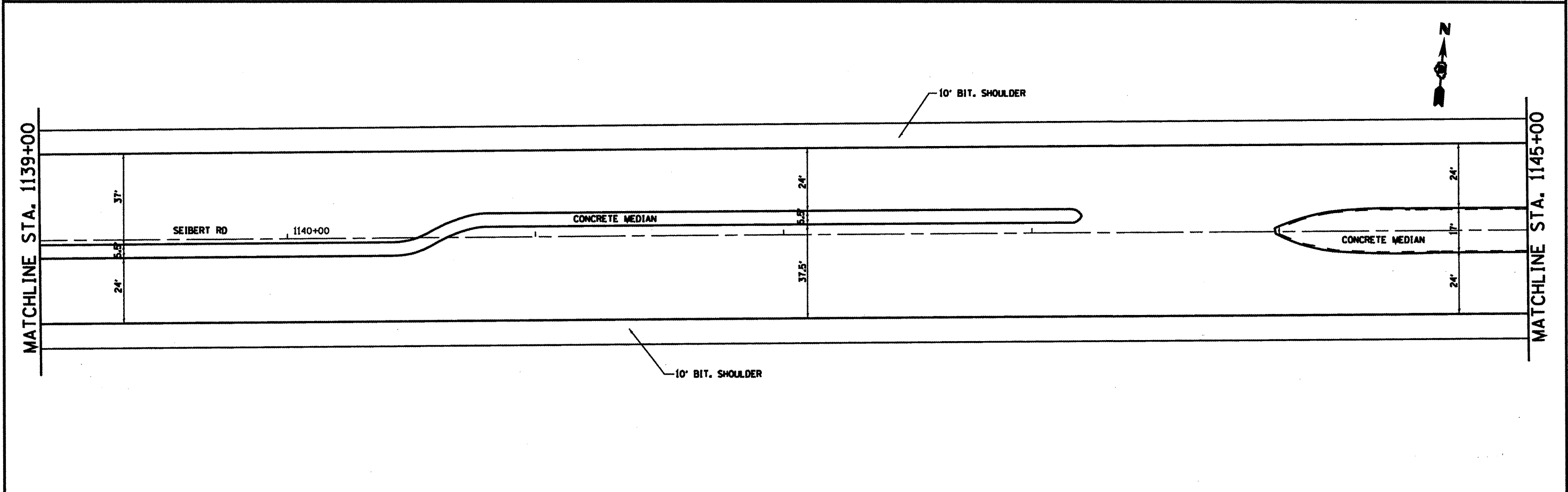
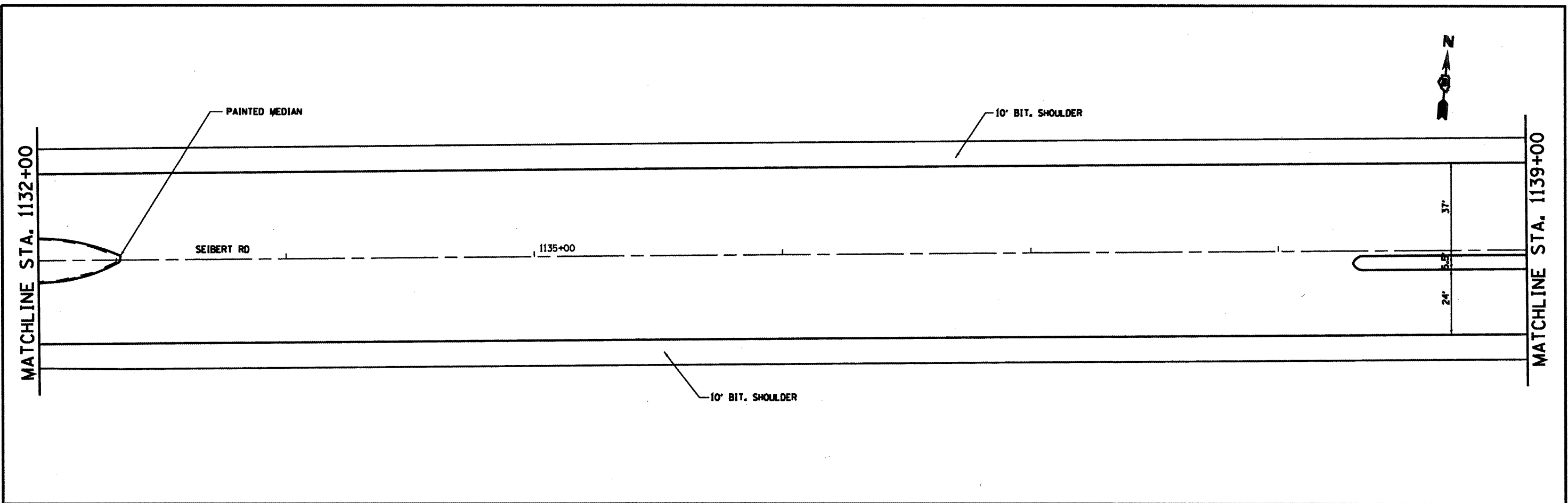
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LOCATION #1 PLAN SHEET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTRESSURFACING2010-4	ST. CLAIR	49	22
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76006		



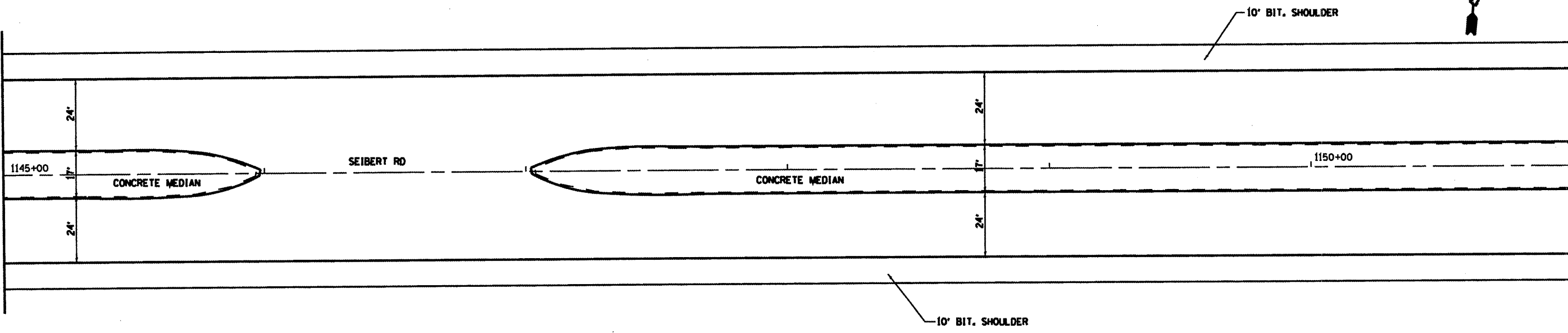
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PLOT SCALE * 1/8" = 1' IN.		CHECKED -	REVISED -		SCALE:		CONTRACT NO. 76006		FED. ROAD DIST. NO. ILL. HOVS/FED. AID PROJECT		
PLOT DATE * 4/23/2010		DATE -	REVISED -		SHEET NO.	OF SHEETS	STA.	TO STA.			



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	PLOT DATE = 3/16/2010	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
		DATE -	REVISED -							CONTRACT NO. 76006	

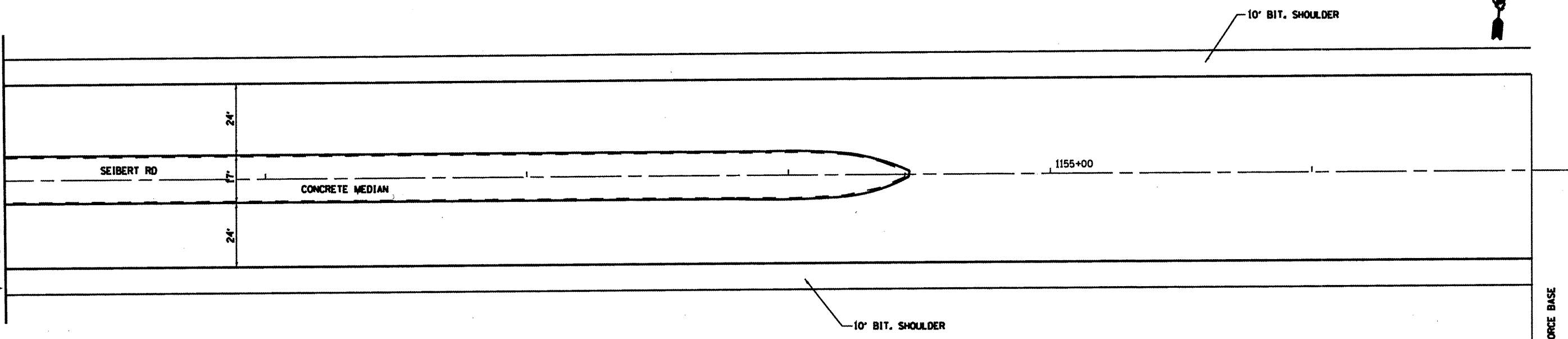
MATCHLINE STA. 1145+00

MATCHLINE STA. 1151+00



MATCHLINE STA. 1151+00

END PROJECT
STA. 1156+84
SCOTT AIR FORCE BASE
ENTRANCE



FILE NAME *	USER NAME * fraytr	DESIGNED -	REVISED -
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	PLOT SCALE = 48.1826' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #2 PLAN SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
various	DISTO RESURFACING 2010-4	ST. CLAIR	49 25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76086

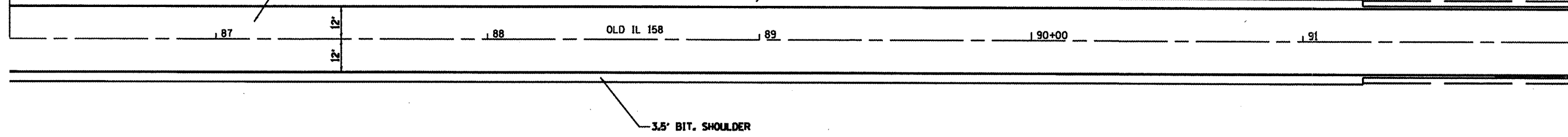
BEGIN PROJECT
STA. 86+24

CONCRETE PAVEMENT

3.5' BIT. SHOULDER

START OF ASPHALT
PAVEMENT
STA. 91+22

MATCHLINE STA. 92+00

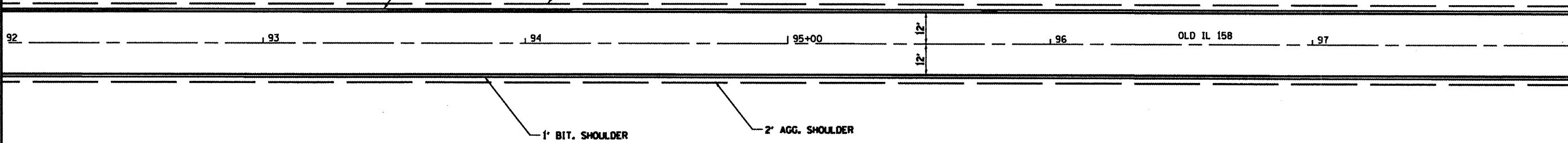


MATCHLINE STA. 92+00

1' BIT. SHOULDER

2' AGG. SHOULDER

MATCHLINE STA. 98+00



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PLOT SCALE * 48.1626' / IN.		CHECKED -	REVISED -
PLOT DATE * 3/16/2010		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #3 PLAN SHEET

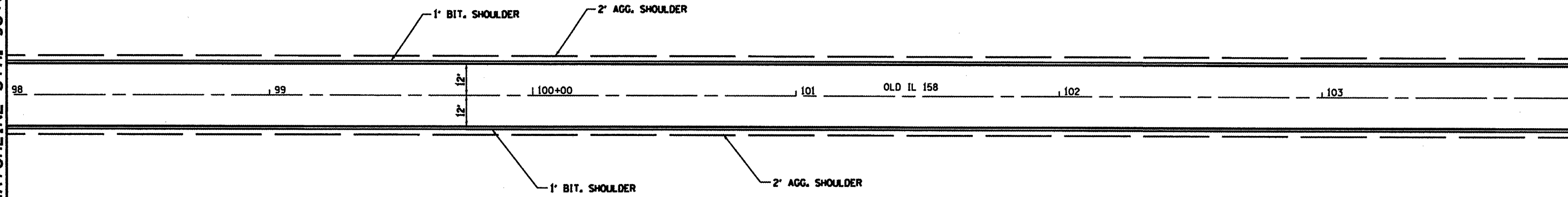
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTRESS/PAVING2010-4	ST. CLAIR	49	26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76086	



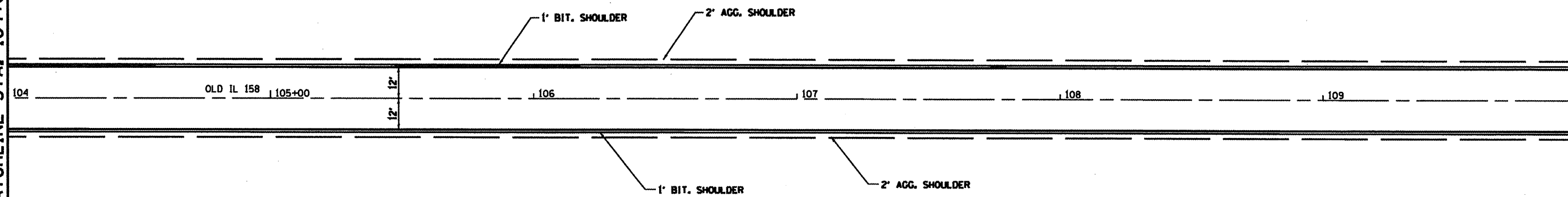
MATCHLINE STA. 98+00

MATCHLINE STA. 104+00



MATCHLINE STA. 104+00

MATCHLINE STA. 110+00



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PLOT DATE * 3/16/2010	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

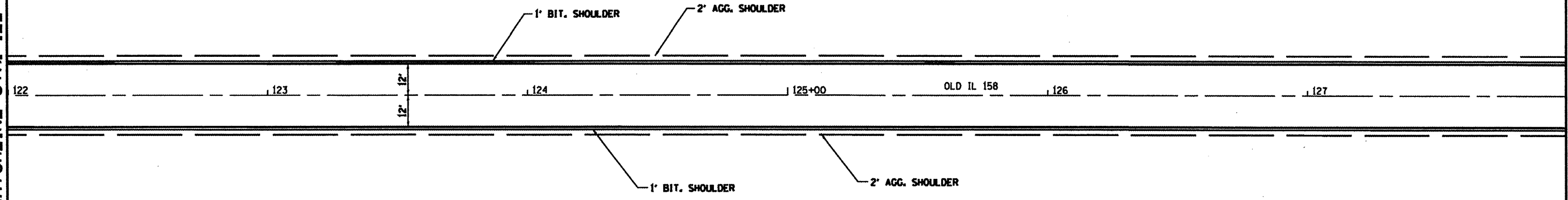
LOCATION #3 PLAN SHEET

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

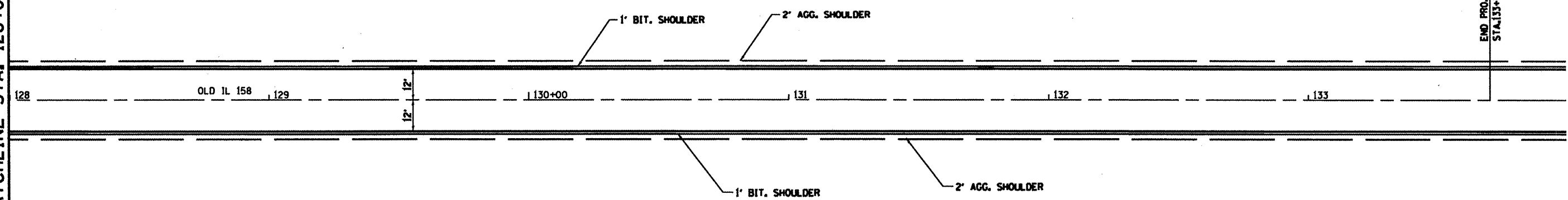
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTORRESURFACING2010-4	ST. CLAIR	49	27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76066	

MATCHLINE STA. 122+00

MATCHLINE STA. 128+00



MATCHLINE STA. 128+00



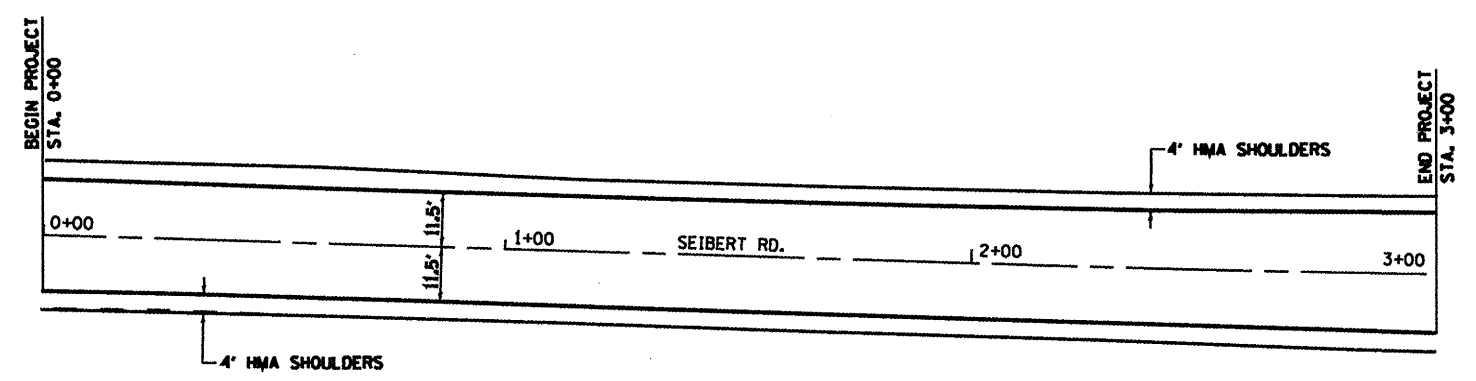
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PLOT DATE = 3/16/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #3 PLAN SHEET

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

F.A.P. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTOR SURFACING 2010-4	ST. CLAIR	49	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76086	



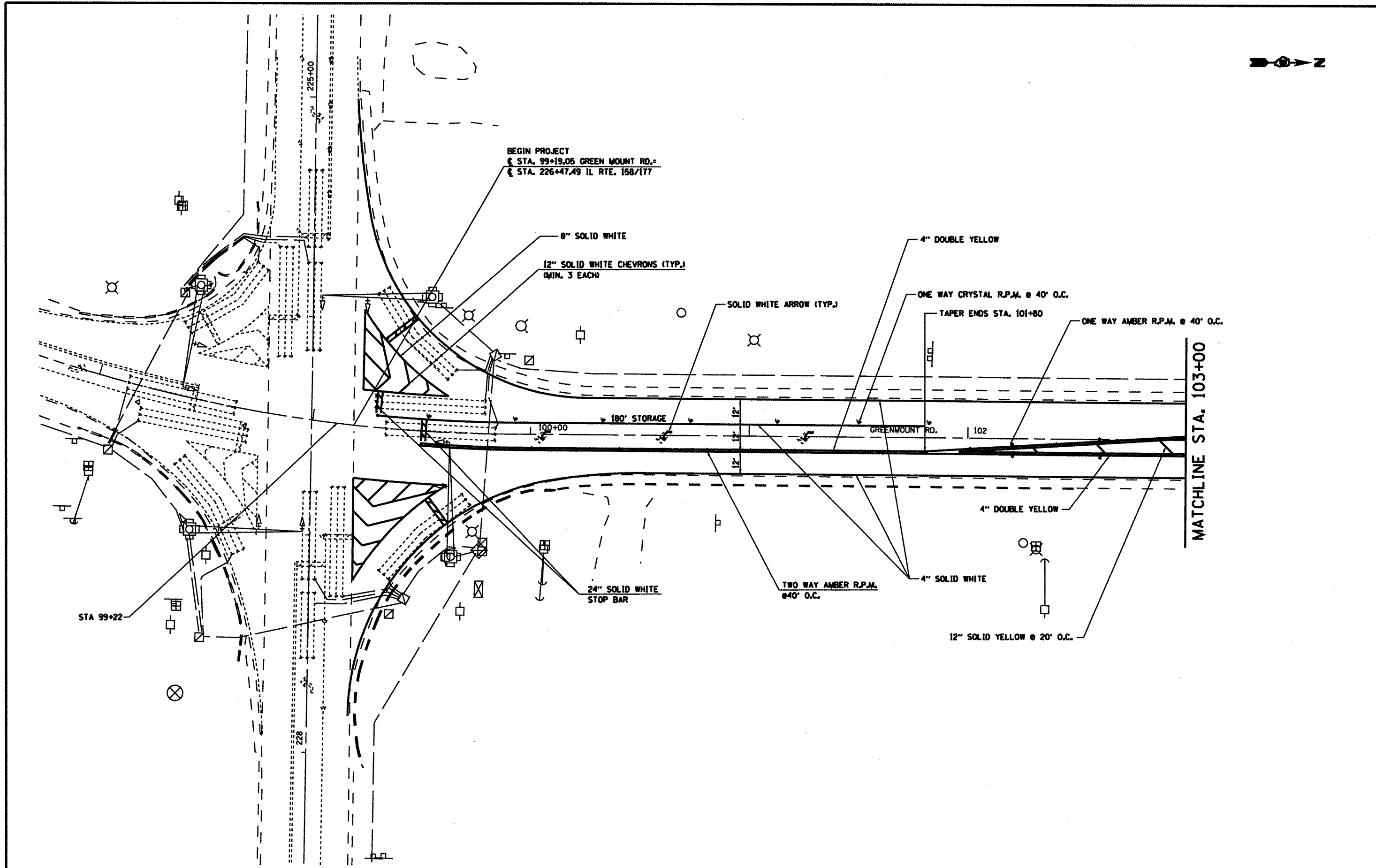
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PLOT DATE = 3/16/2010	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #4 PLAN SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTOR SURFACING 2010-4	ST. CLAIR	49	30
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76086		

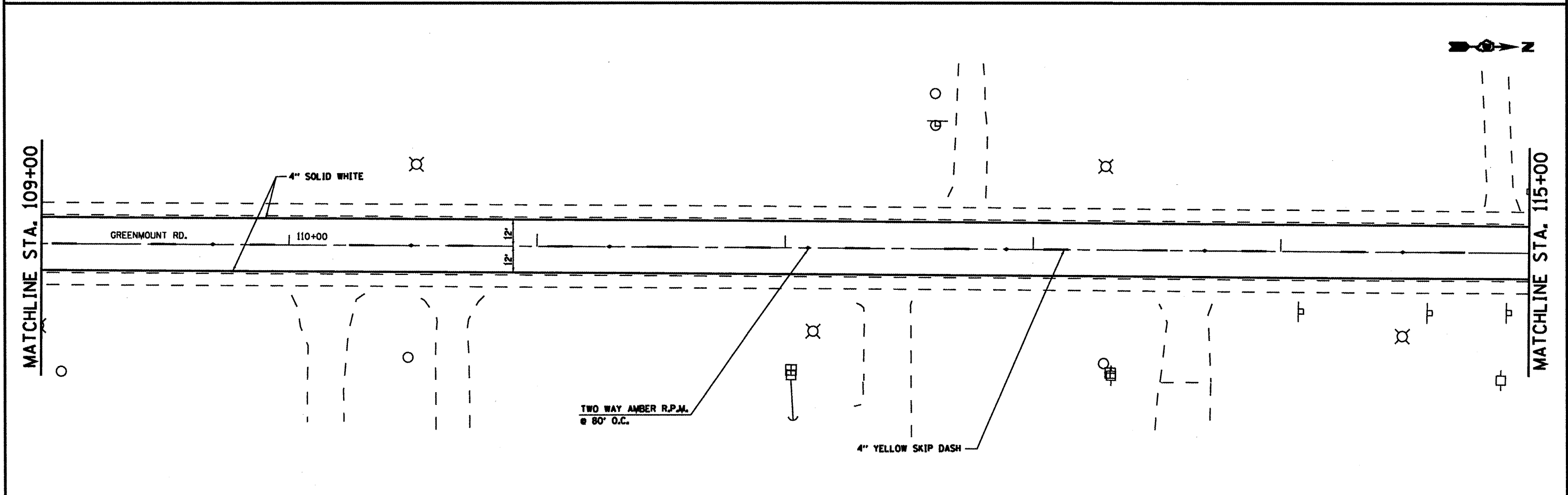
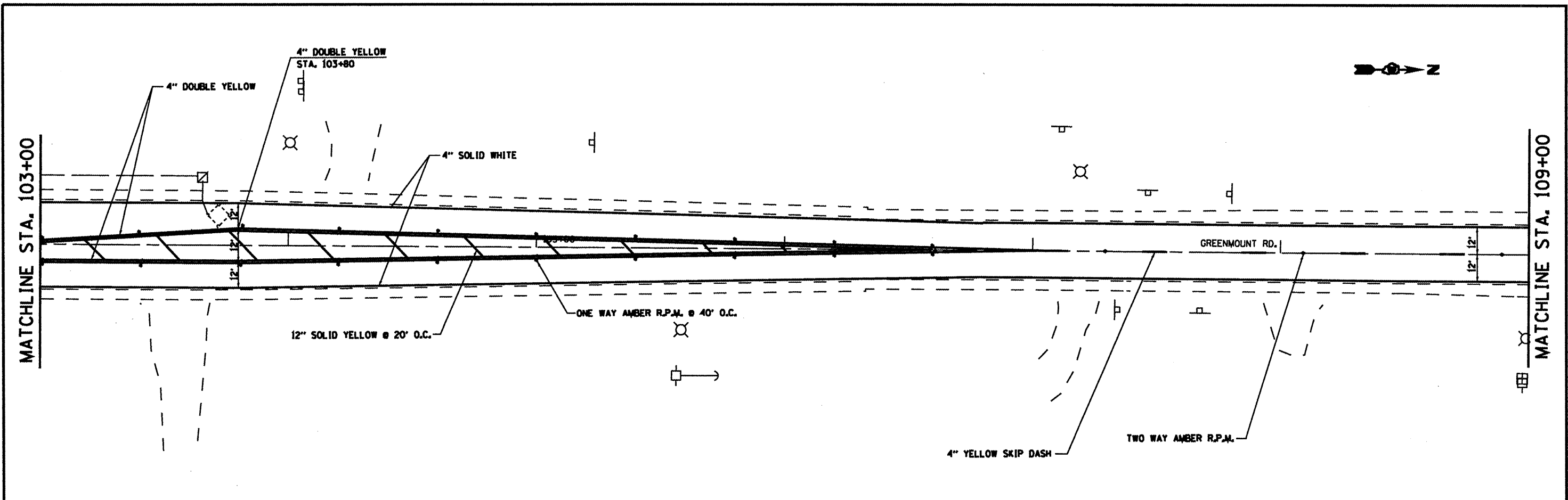


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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #1 PAVEMENT MARKING SHEET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

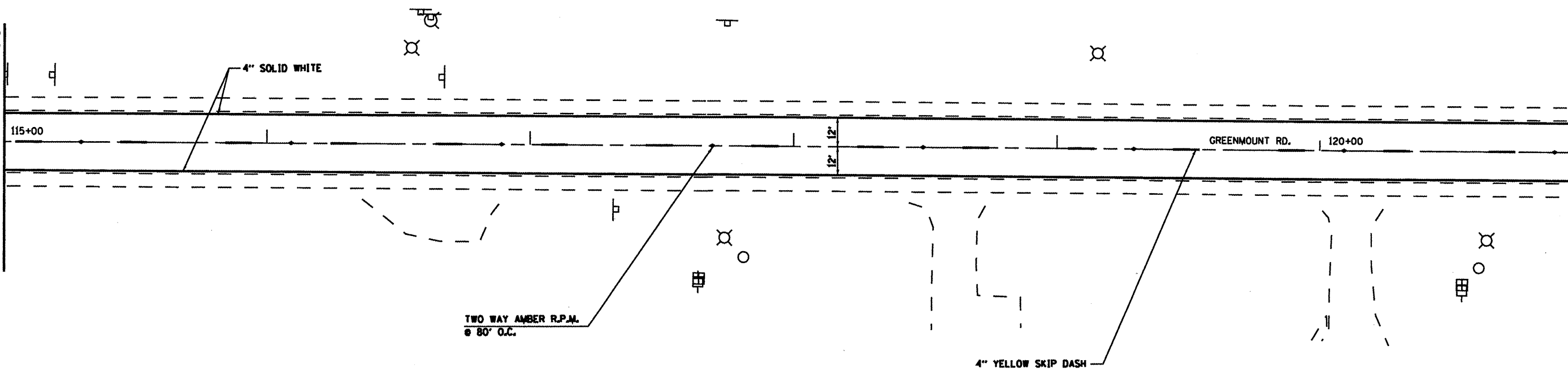
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various	DISTRESSURFACING2010-4	ST. CLAIR	49 31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76086



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	PLOT SCALE = 48.1825' / IN.	DRAWN -	REVISED -								DISTRESURFACING2010-4	ST. CLAIR	49	32
PLOT DATE = 3/16/2010	CHECKED -	REVISED -	CONTRACT NO. 76086		ILLINOIS FED. AID PROJECT									
DATE -	REVISED -													

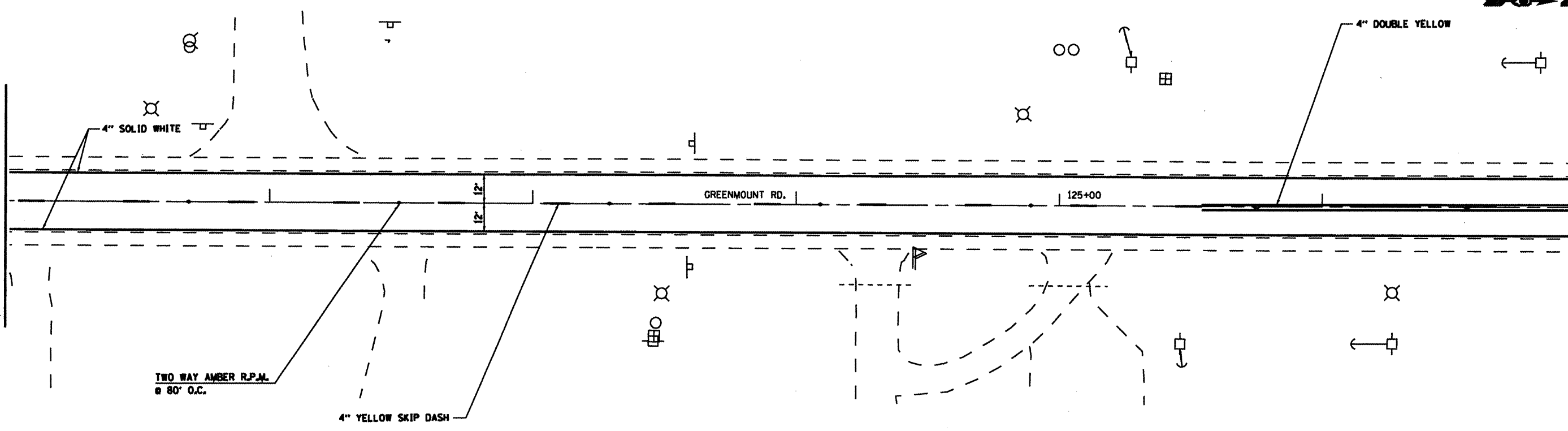
MATCHLINE STA. 115+00

MATCHLINE STA. 121+00



MATCHLINE STA. 121+00

MATCHLINE STA. 127+00



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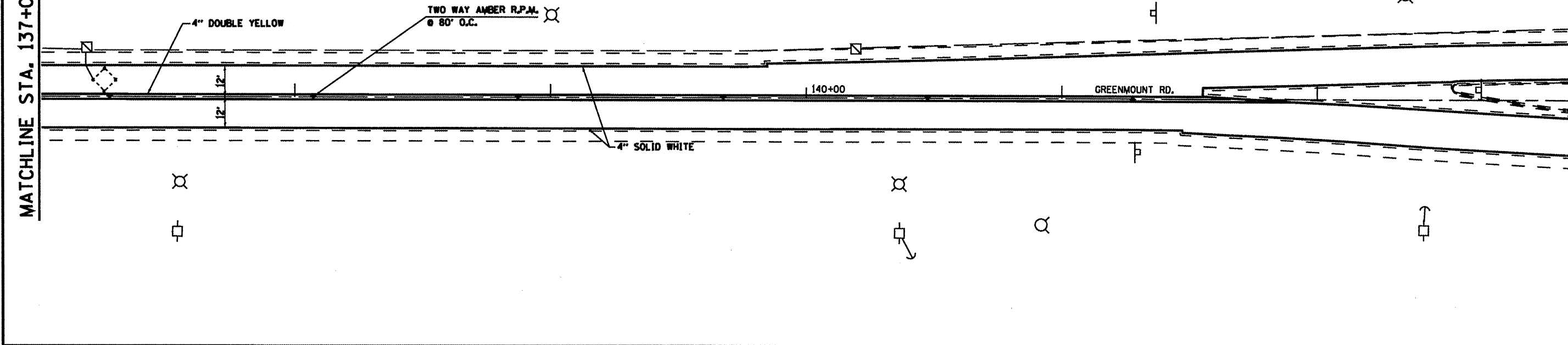
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #1 PAVEMENT MARKING SHEET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTORESURFACING2010-4	ST. CLAIR	49	33
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76006		

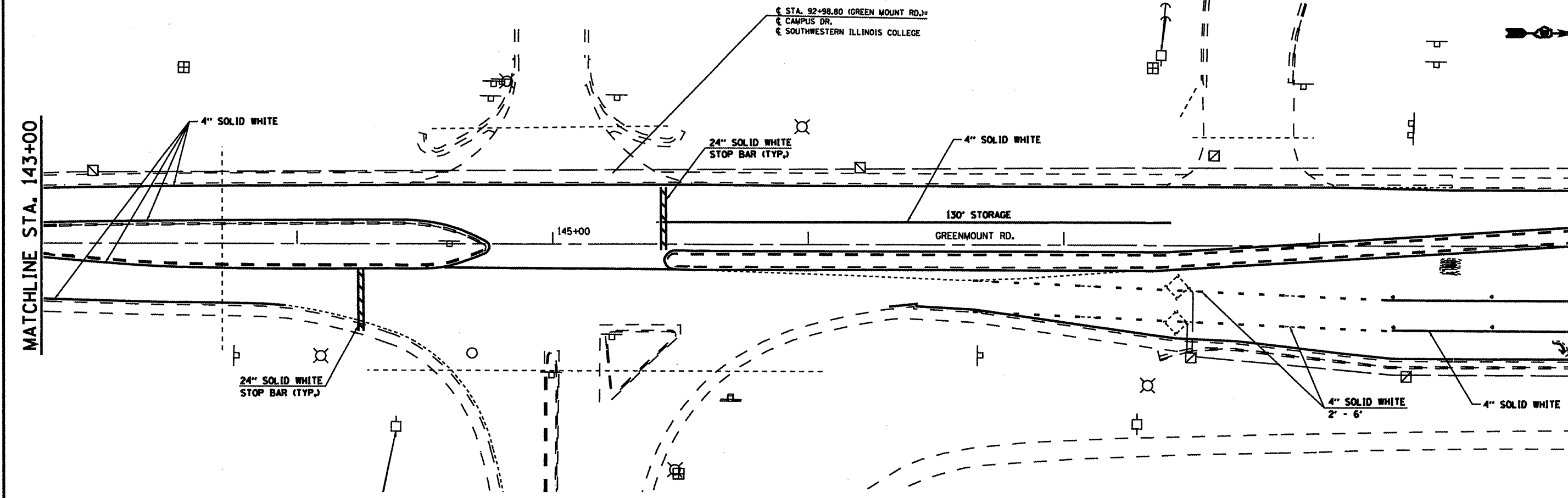
MATCHLINE STA. 137+00

MATCHLINE STA. 143+00



MATCHLINE STA. 143+00

MATCHLINE STA. 149+00



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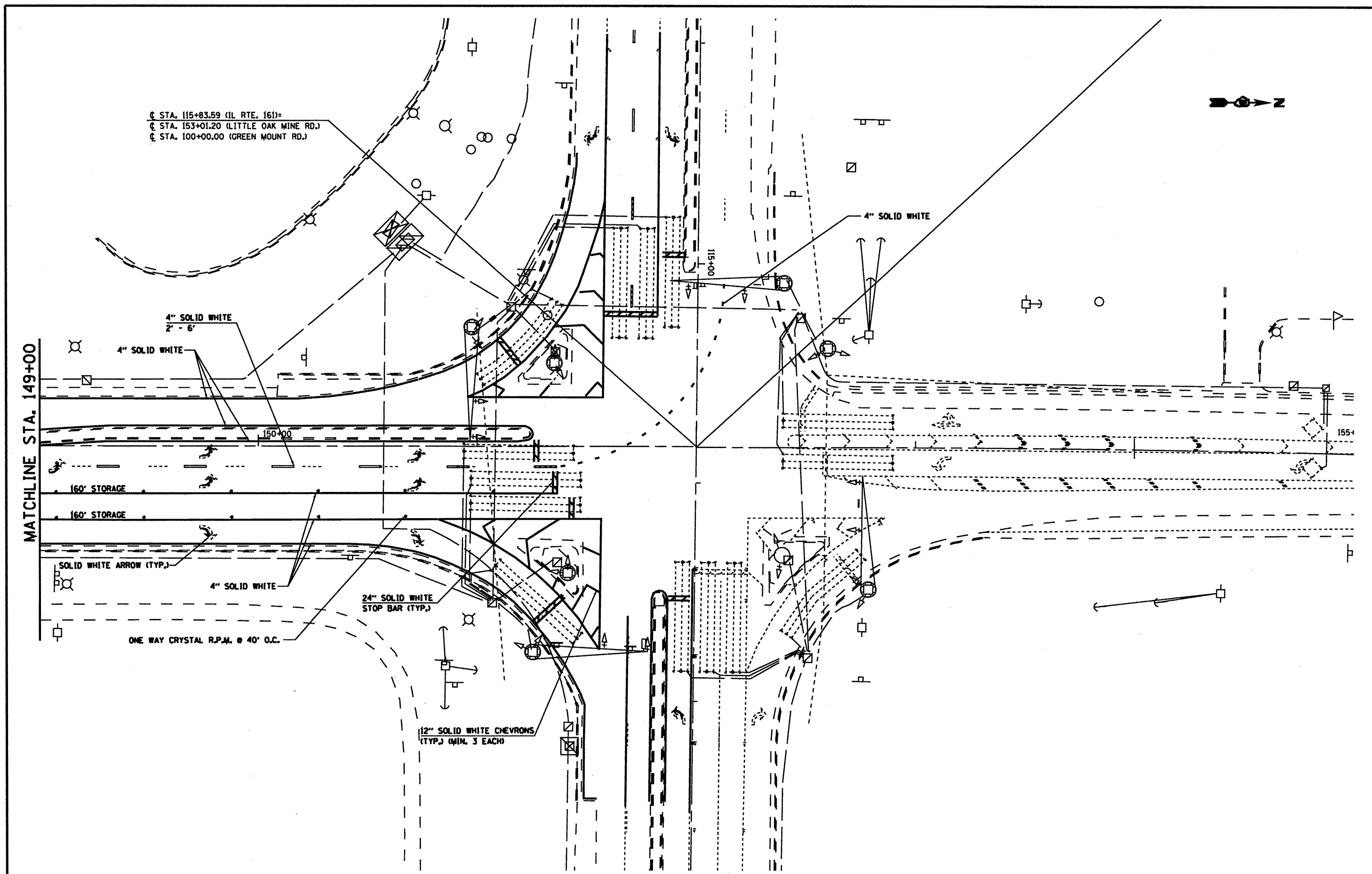
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION #1 PAVEMENT MARKING SHEET
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F&P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTRESS/SURFACING2010-4	ST. CLAIR	49	35
CONTRACT NO. 76086				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



C STA. 115+83.59 (IL RTE. 161)
 C STA. 153+01.20 (LITTLE OAK MINE RD.)
 C STA. 100+00.00 (GREEN MOUNT RD.)

MATCHLINE STA. 149+00

4" SOLID WHITE
2' - 6"

4" SOLID WHITE

4" SOLID WHITE

160' STORAGE

160' STORAGE

SOLID WHITE ARROW (TYP.)

4" SOLID WHITE

24" SOLID WHITE
STOP BAR (TYP.)

ONE WAY CRYSTAL R.P.M. @ 40' O.C.

12" SOLID WHITE CHEVRONS
(TYP.) (MIN. 3 EACH)



FILE NAME =
 USER NAME = fraylor
 PLOT SCALE = 48/1625" = 1/4"
 PLOT DATE = 3/16/2010

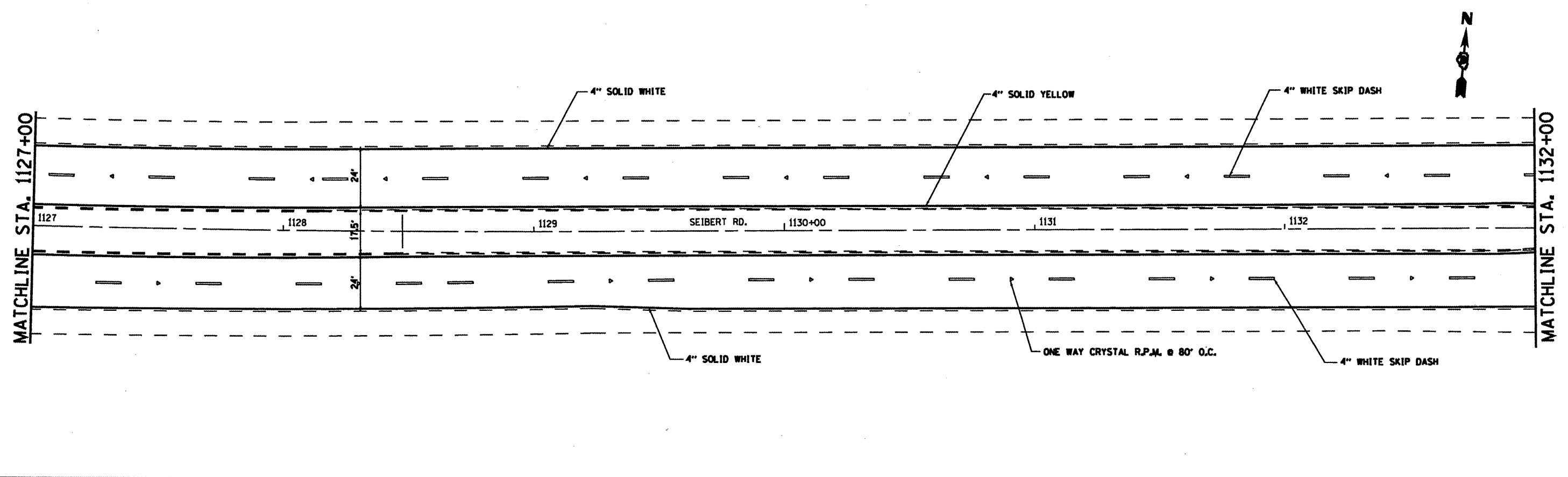
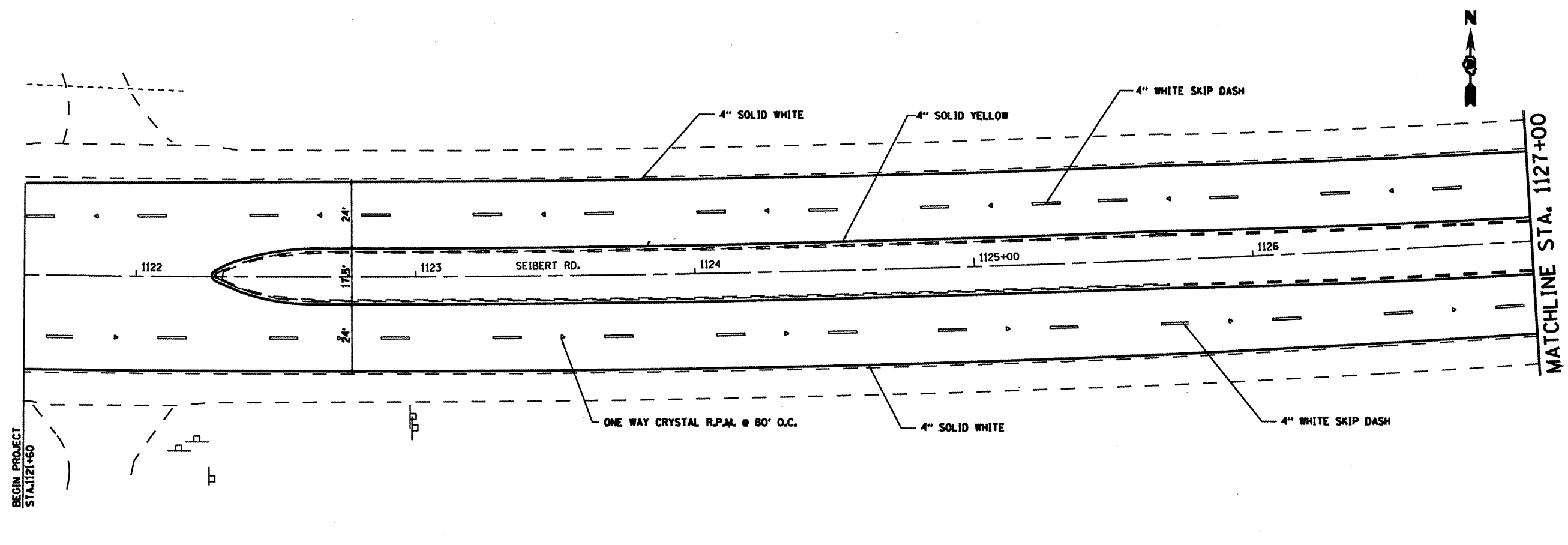
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #1 PAVEMENT MARKING SHEET
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTRESSURFACING2010-4	ST. CLAIR	49	36
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76066		



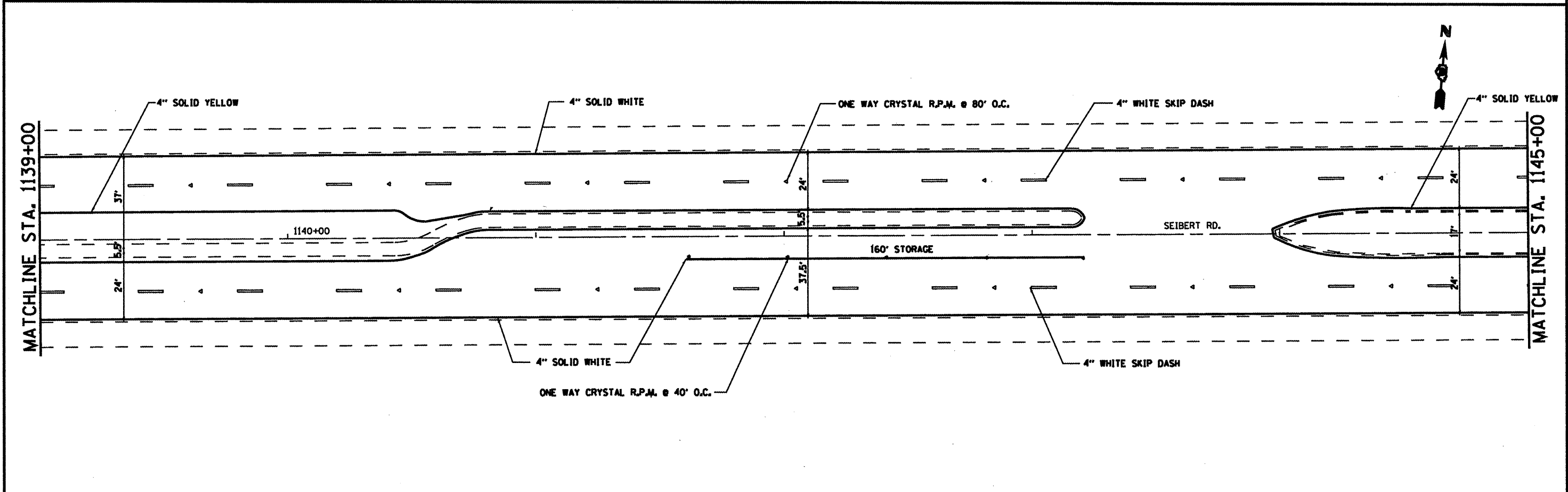
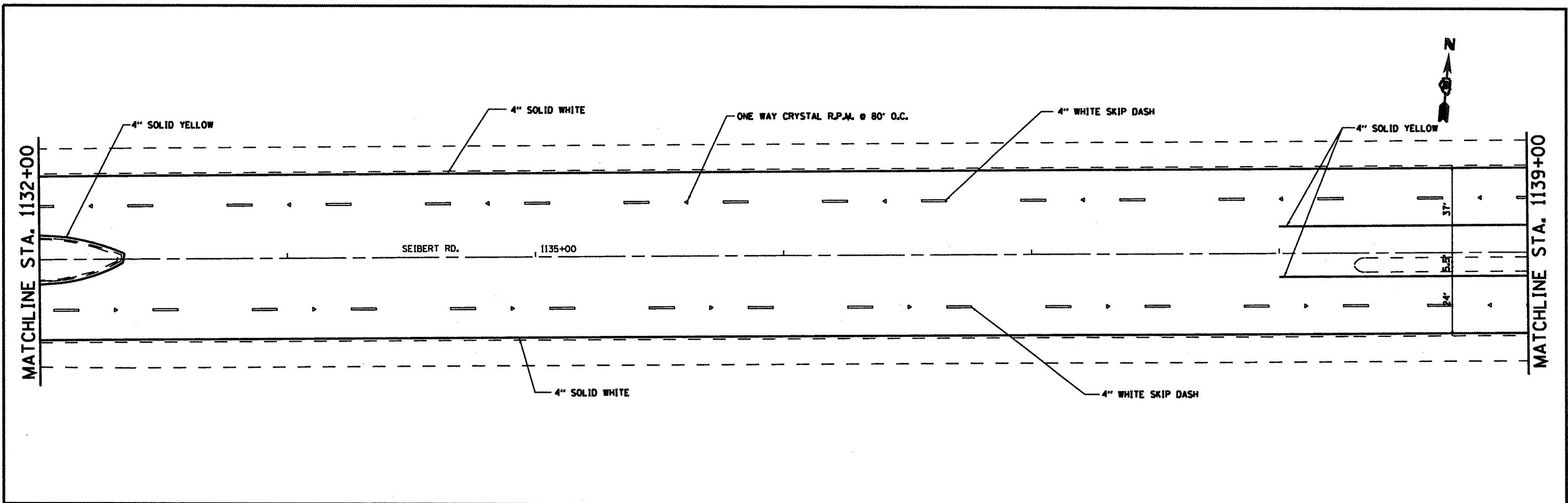
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

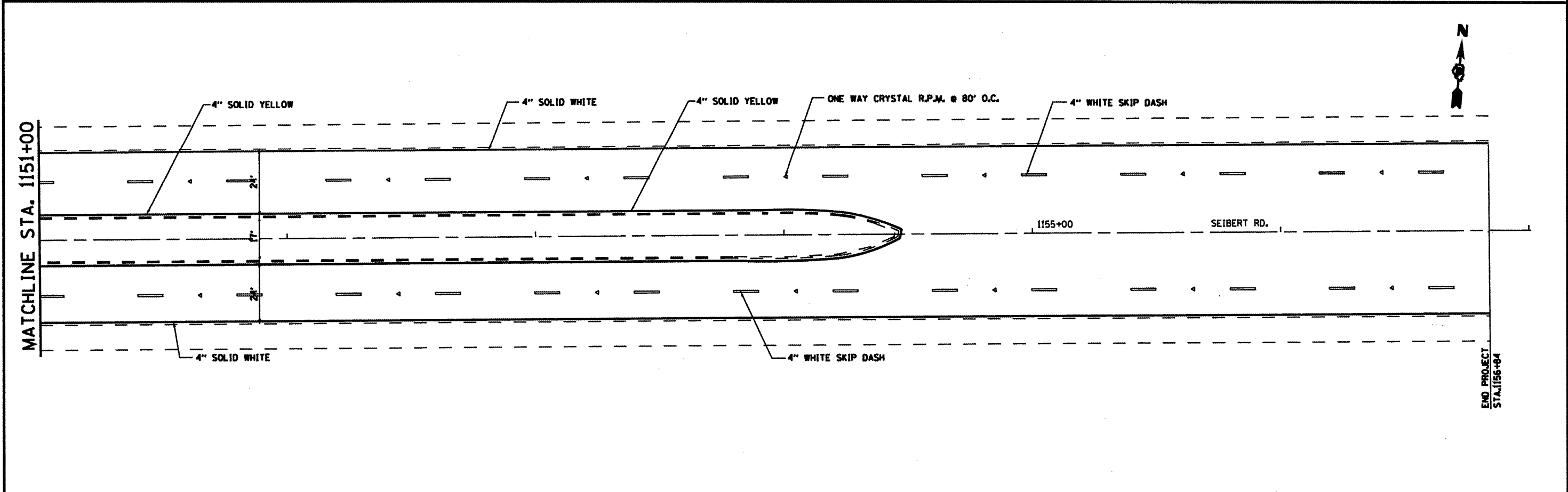
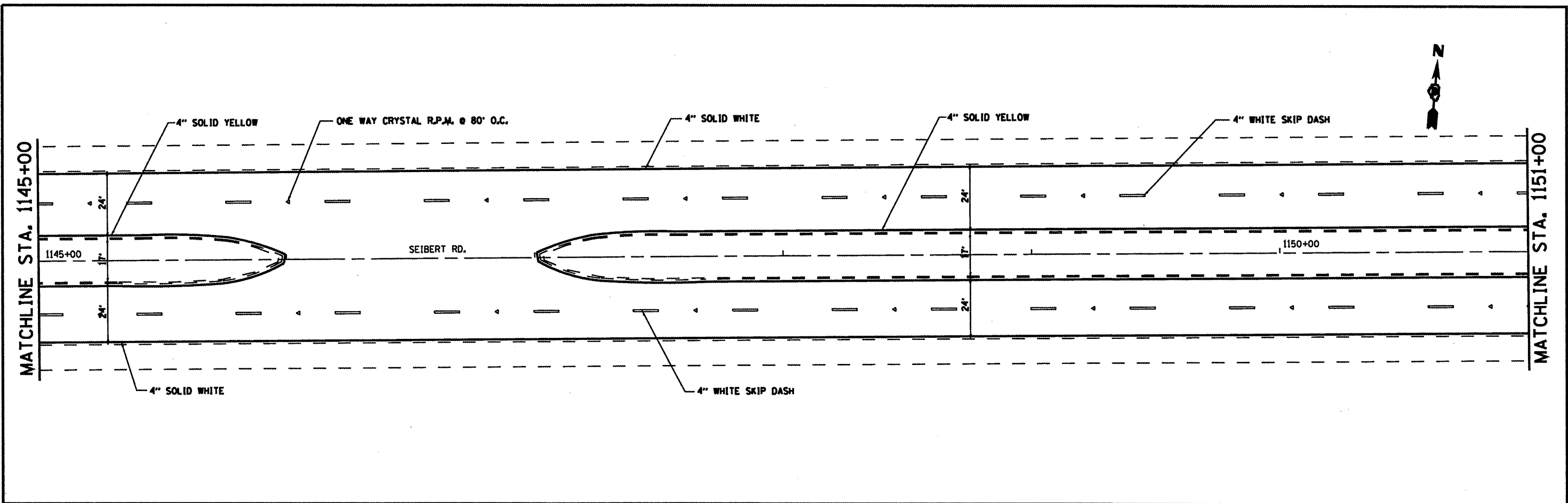
LOCATION #2 PAVEMENT MARKING SHEET

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

P.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
VARIOUS	DISTRESSURFACING2010-4	ST. CLAIR	49 37
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 76006



FILE NAME *	USER NAME * fraytr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #2 PAVEMENT MARKING SHEET		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE * 48.1626 "/ IN.		CHECKED -	REVISED -		CONTRACT NO. 76006					
PLOT DATE * 3/16/2018		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FEED, ROAD DIST. NO.

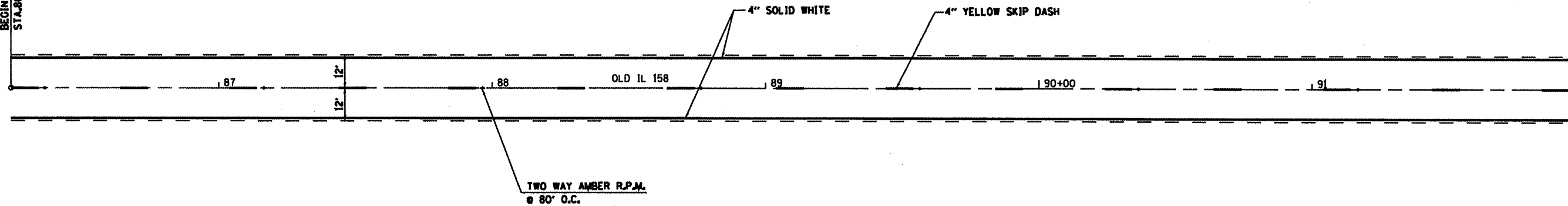


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	PLOT SCALE = 48.1825' / IN.	DRAWN -	REVISED -				VARIOUS	DISTRESSURFACING2010-4	ST. CLAIR	49	39
PLOT DATE = 3/16/2010	CHECKED -	REVISED -	SCALE:		SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 76086	
	DATE -	REVISED -							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

END PROJECT
STA. 1156+00



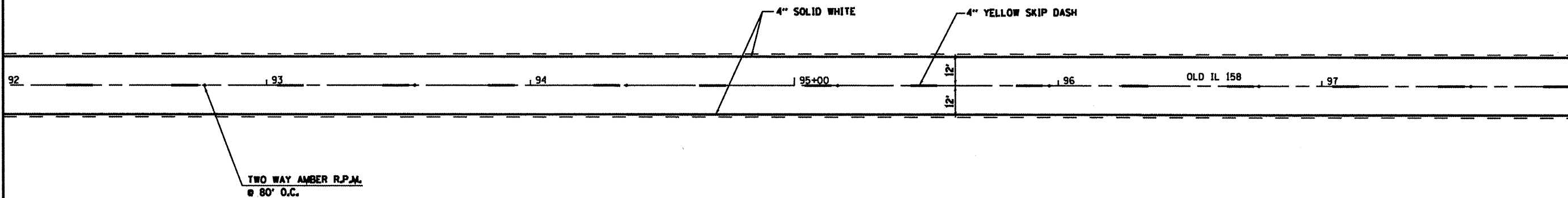
BEGIN PROJECT
STA. 86+24



MATCHLINE STA. 92+00



MATCHLINE STA. 92+00



MATCHLINE STA. 98+00

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

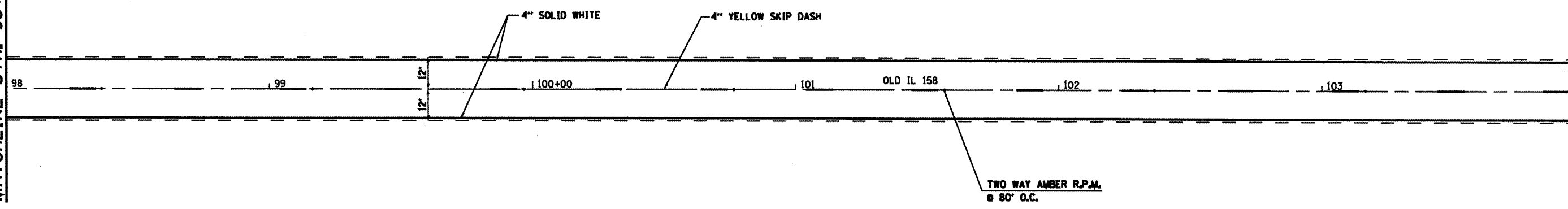
LOCATION #3 PAVEMENT MARKING SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTRESSURFACING2010-4	ST. CLAIR	49	40
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76086	

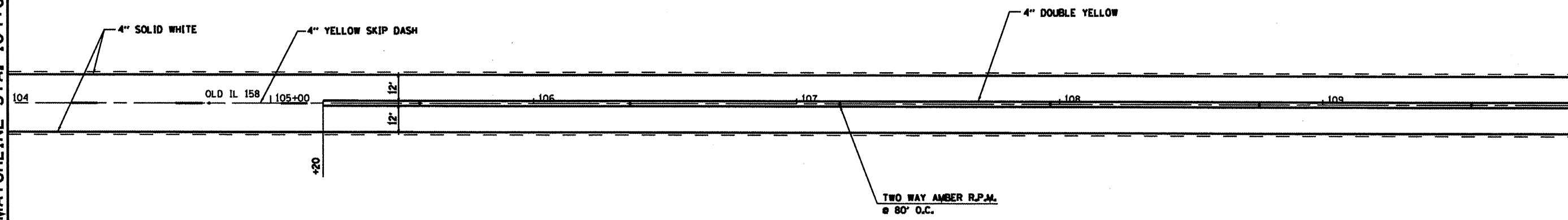
MATCHLINE STA. 98+00

MATCHLINE STA. 104+00



MATCHLINE STA. 104+00

MATCHLINE STA. 110+00



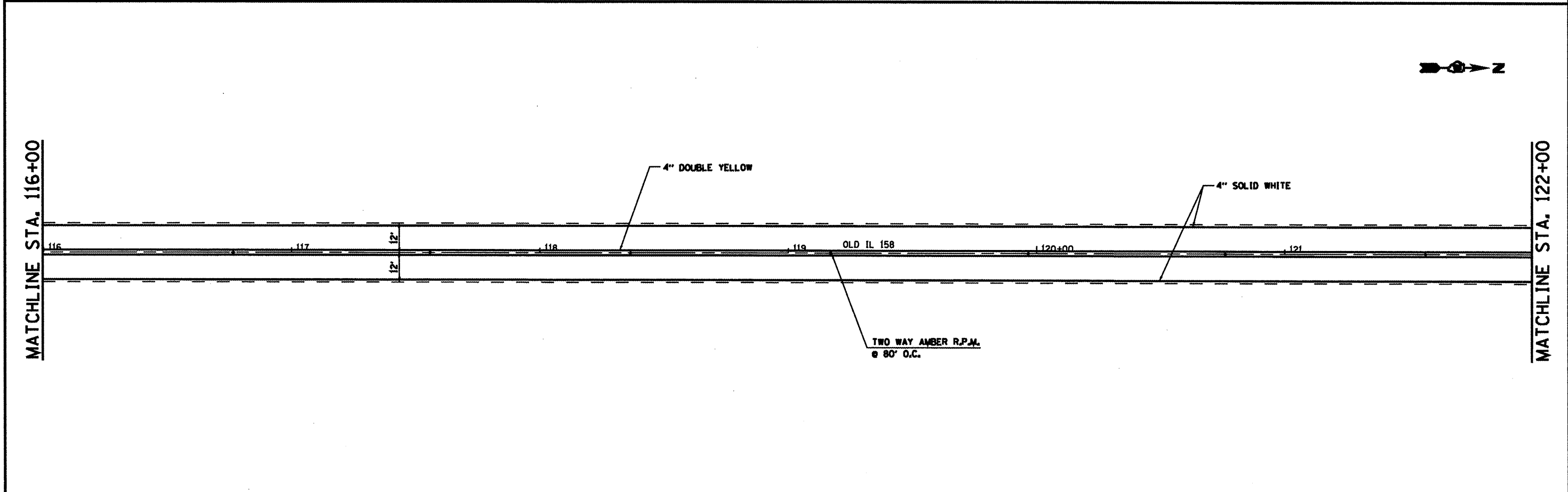
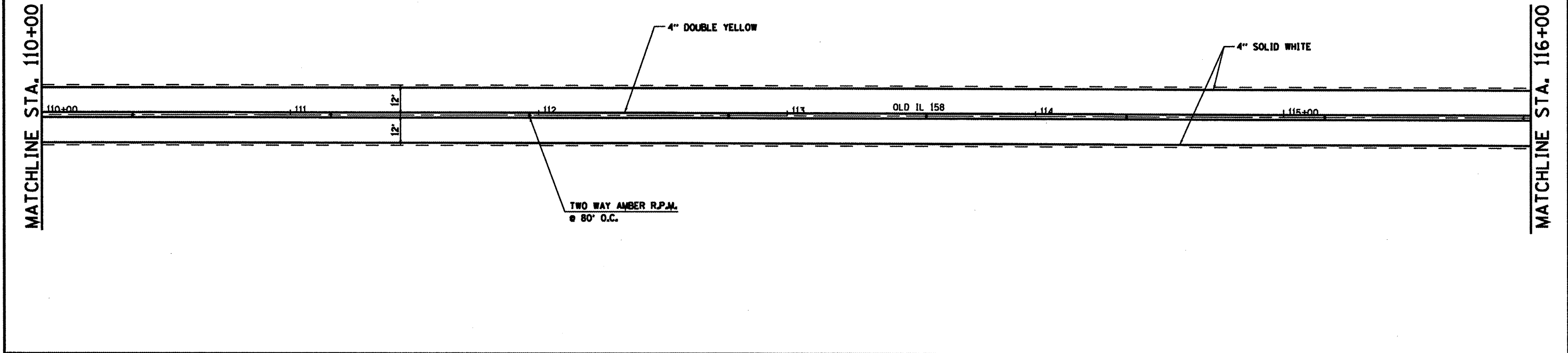
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PLOT DATE = 2/16/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #3 PAVEMENT MARKING SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTRESSURFACING2010-4	ST. CLAIR	49	41
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 76066	

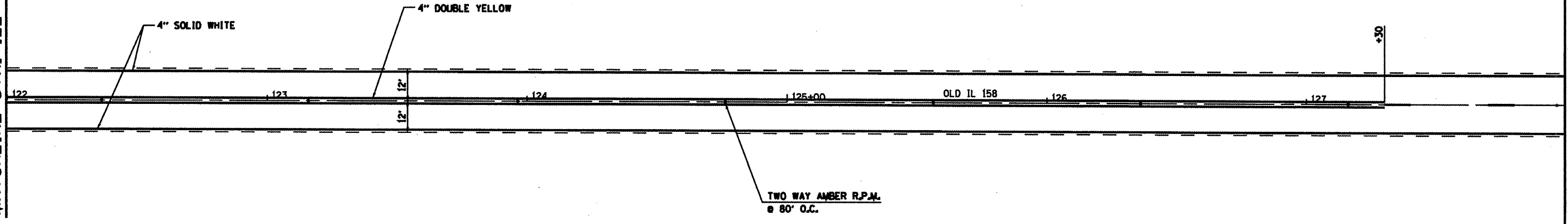


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					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	



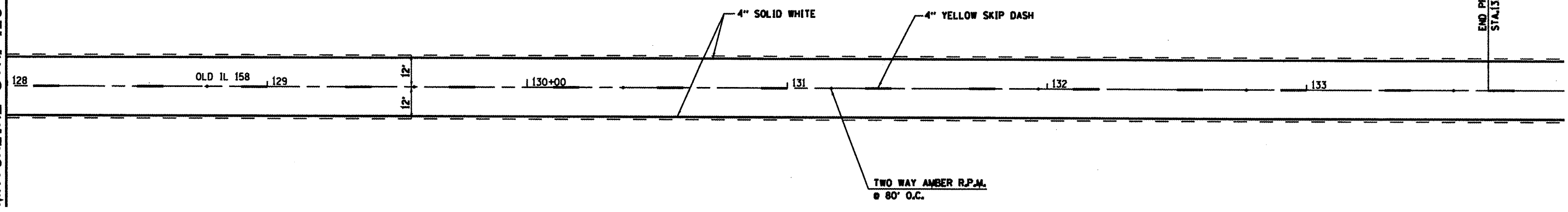
MATCHLINE STA. 122+00

MATCHLINE STA. 128+00



MATCHLINE STA. 128+00

END PROJECT STA. 133+70



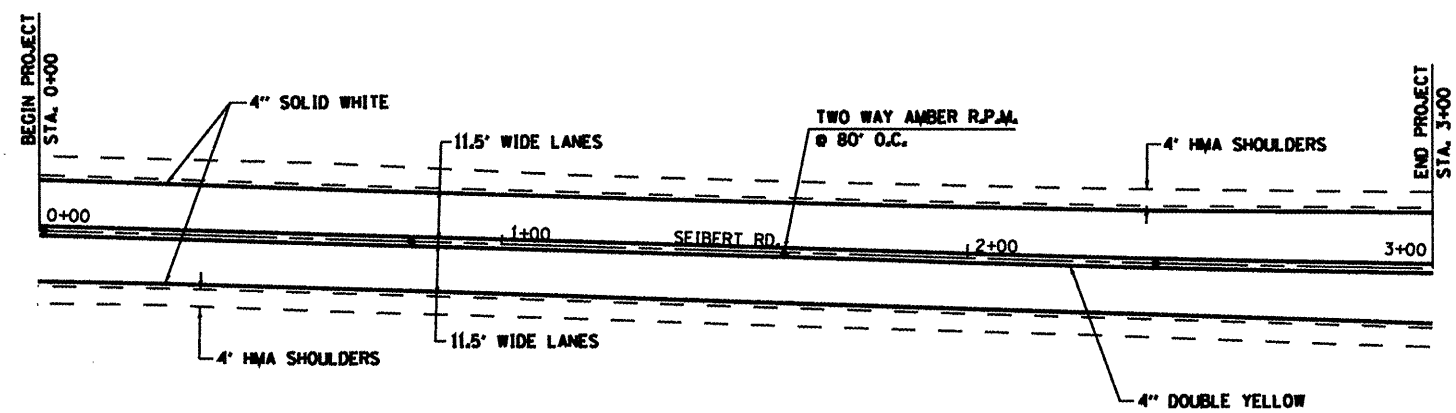
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PLOT DATE = 3/16/2010		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #3 PAVEMENT MARKING SHEET

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTRESSURFACING2010-4	ST. CLAIR	49	43
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 76086	



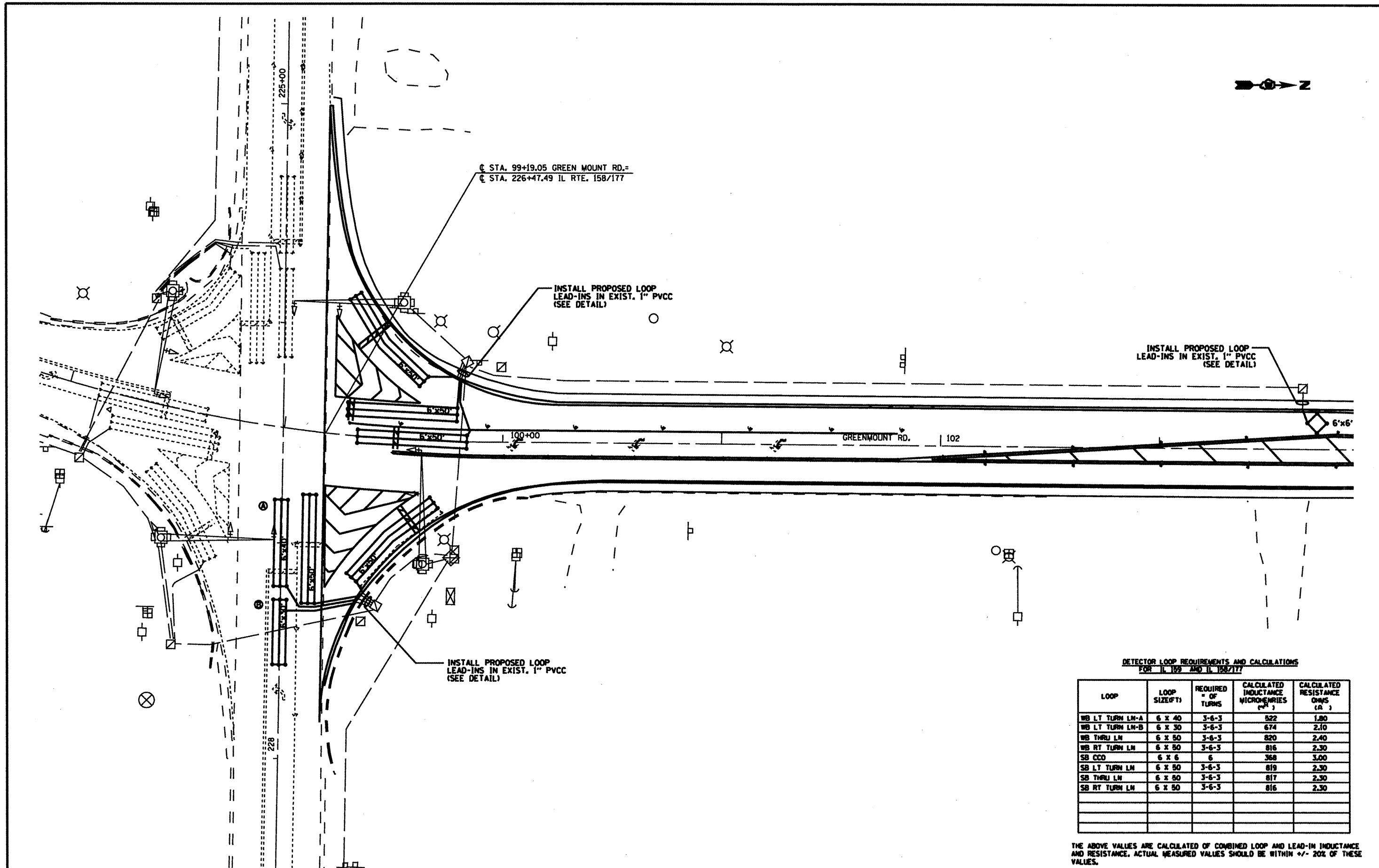
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	PLOT SCALE = 48.1826' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/16/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #4 PAVEMENT MARKING SHEET

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	DISTORESURFACING2010-4	ST. CLAIR	49	44
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76066	



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 102 AND IL 158/177

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
WB LT TURN LN-A	6 x 40	3-6-3	522	1.80
WB LT TURN LN-B	6 x 30	3-6-3	674	2.10
WB THRU LN	6 x 50	3-6-3	820	2.40
WB RT TURN LN	6 x 50	3-6-3	816	2.30
SB CCO	6 x 6	6	368	3.00
SB LT TURN LN	6 x 50	3-6-3	819	2.30
SB THRU LN	6 x 50	3-6-3	817	2.30
SB RT TURN LN	6 x 50	3-6-3	816	2.30

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

Dist B resurfacing 2010-4

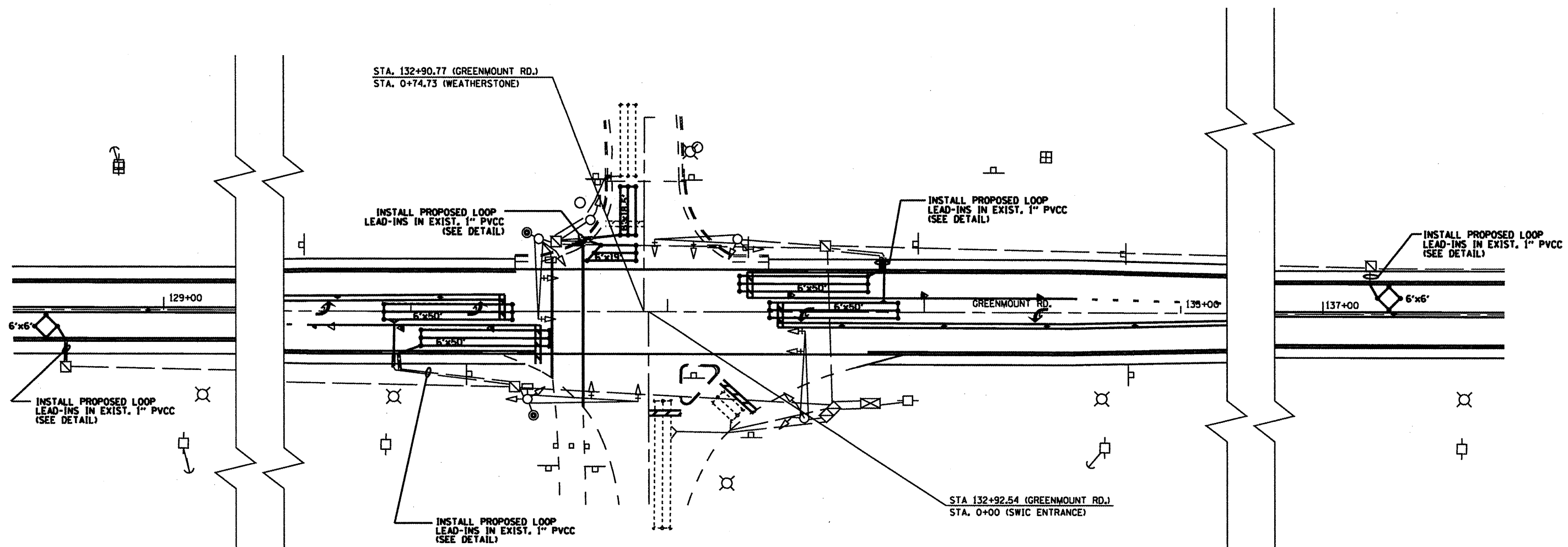
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	PLOT DATE = 3/16/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT

SCALE: 1" = 20' SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
Various		ST CLAIR	49
			48
			CONTRACT NO. 76006
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR ILL 129 AND WEATHERSTONE

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
NB LT TURN LN	6 x 80	3-6-3	838	2.78
NB THRU LN	6 x 80	3-6-3	838	2.78
NB CCO	6 x 6	6	374	3.1
SB LT TURN LN	6 x 80	3-6-3	819	2.35
SB THRU LN	6 x 80	3-6-3	819	2.35
SB CCO	6 x 6	6	355	2.6
EB CD	6 x 19	3-6-3	371	1.80
EB CD	6 x 18.5	3-6-3	365	1.82

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

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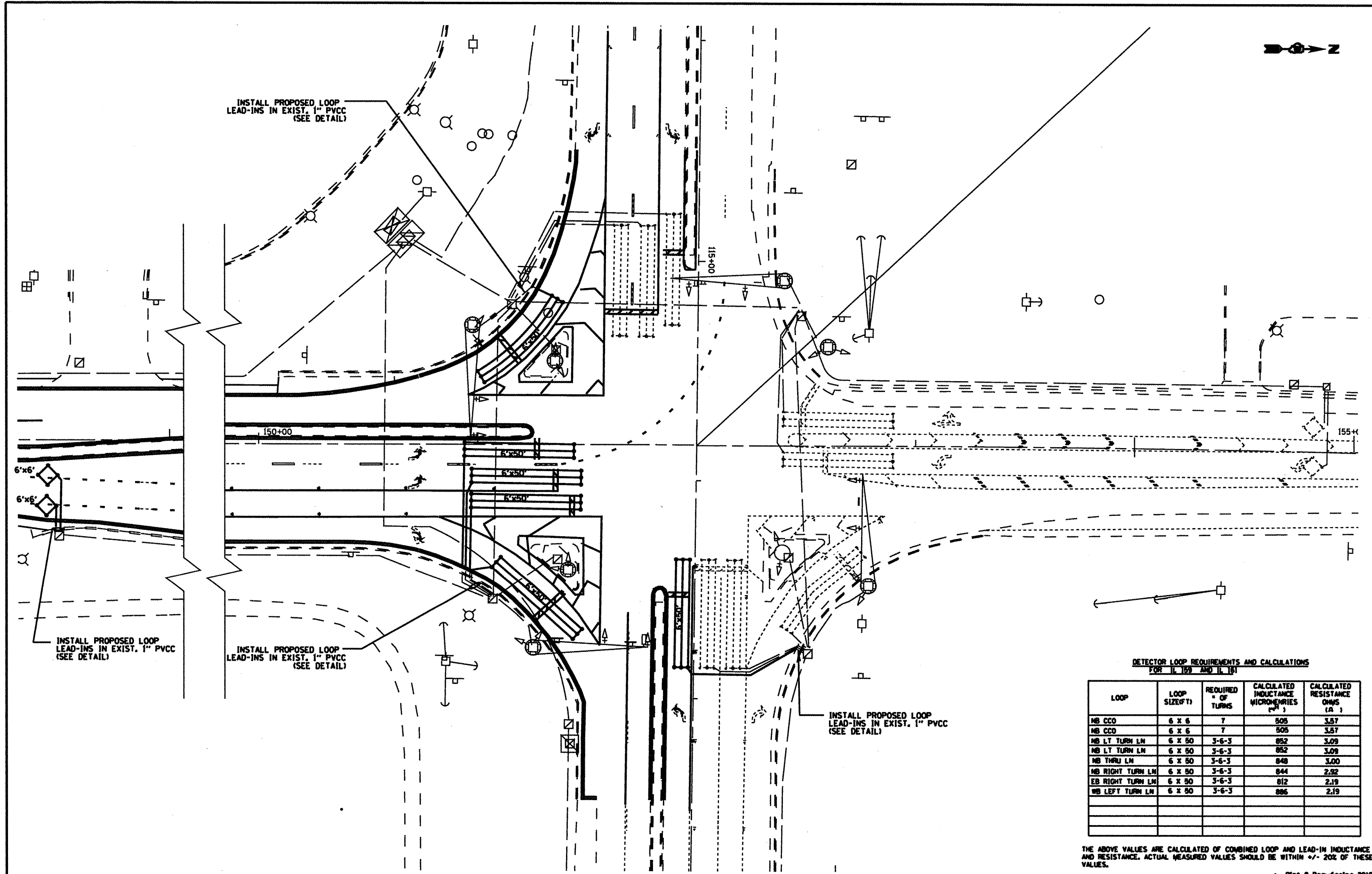
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT

SCALE: 1" = 20' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
Various		ST. CLAIR	49 46
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 76066

• Dist 8 Resurfacing 2010-4



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 159 AND IL 161

LOOP	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)
NB CCO	6 x 6	7	805	3.87
NB CDD	6 x 6	7	805	3.87
NB LT TURN LN	6 x 50	3-6-3	852	3.09
NB RT TURN LN	6 x 50	3-6-3	852	3.09
NB THRU LN	6 x 50	3-6-3	848	3.00
NB RIGHT TURN LN	6 x 50	3-6-3	844	2.92
EB RIGHT TURN LN	6 x 50	3-6-3	812	2.19
WB LEFT TURN LN	6 x 50	3-6-3	886	2.19

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

• Dist 8 Resurfacing 2010-4

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT

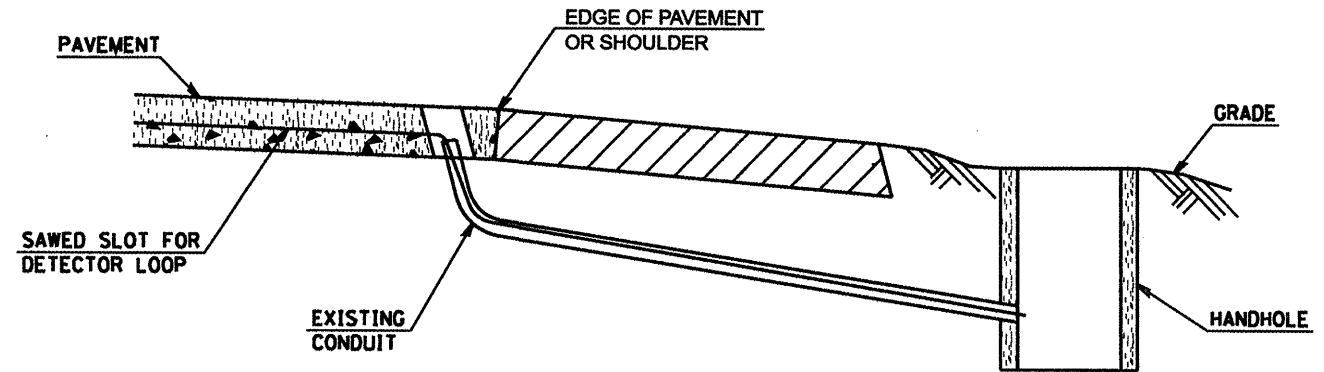
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Various		ST. CLAIR	49	47
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76086		

ELECTRICAL GENERAL NOTES

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

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



DETAIL
(NO SCALE)

RE- USE EXISTING DETECTOR LOOP LEAD- IN CONDUIT

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

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

LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY

SCHEDULE OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL	IL 158/177	WEATHER STONE	IL 161
8030100	LOCATE UNDERGROUND CABLE	FOOT	275	100	100	75
88600600	DETECTOR LOOP REPLACEMENT	FOOT	3245	1110	900	1235

Dist 8 Resurfacing 2010-4

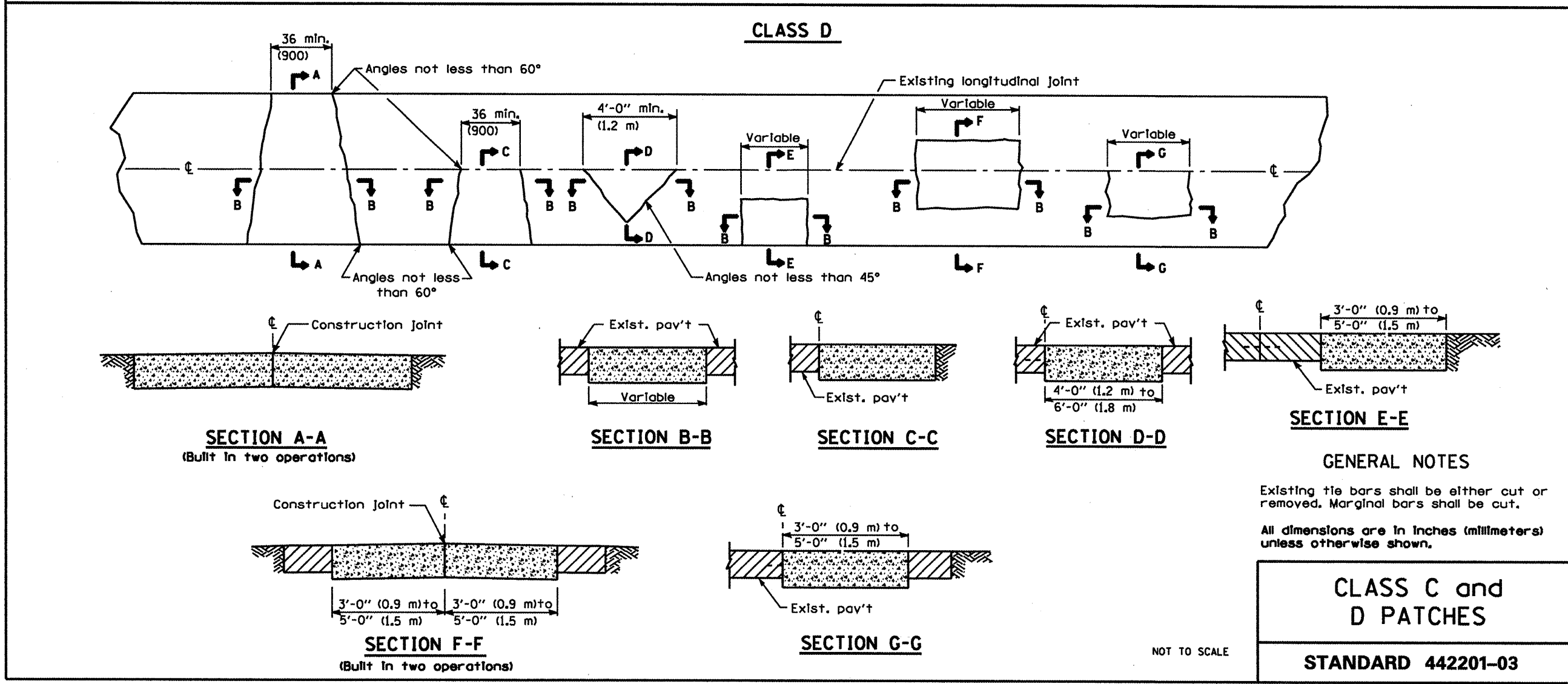
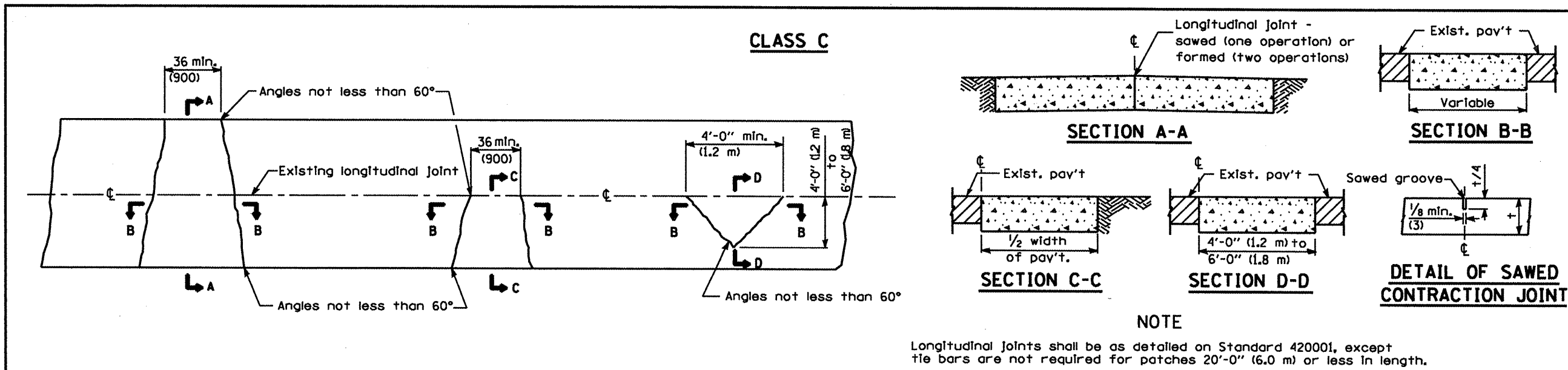
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT-GENERAL NOTES, DETAILS, QUANTITIES

SCALE: NONE SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Various		ST. CLAIR	49	48
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76086	



FILE NAME *	USER NAME = froyer	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
al\pe_wark\peidos\1\royer\108176162\0878059-shs-plan.dgn		DRAWN -	REVISED -			VARIOUS	DISTRESSURFACING2010-4	ST. CLAIR	49	49	
PLOT SCALE = 1/8" = 1'-0"		CHECKED -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.					
PLOT DATE = 3/16/2010		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
CONTRACT NO. 76066											