

F.A.B. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	1	
ILLINOIS			CONTRACT NO. 76D69	

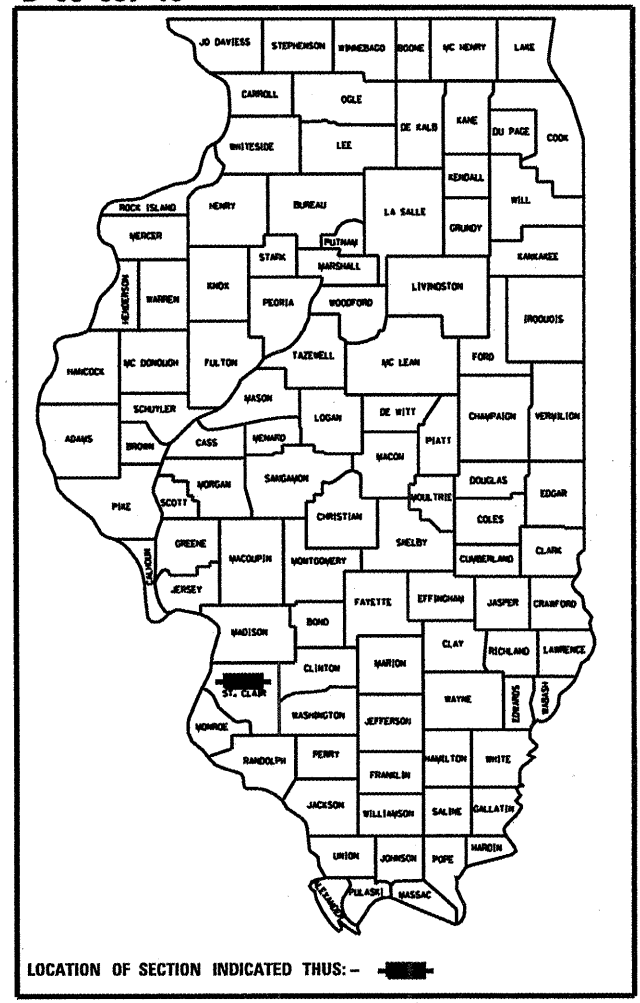
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAU ROUTE 9331/FAU ROUTE 9166 (US 50)  
SECTION 32RS-3, 31RS-3, 1RS-1  
RESURFACING PROJECT: ACM-0005 (BIT)  
ST. CLAIR COUNTY  
C-98-050-10

FOR INDEX OF SHEETS, SEE SHEET NO. 2

D-98-037-10



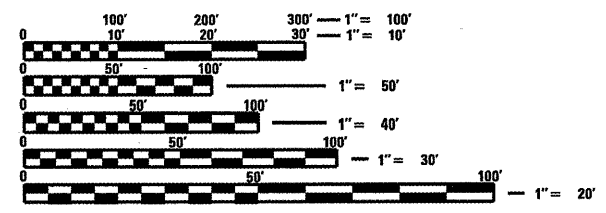
LOCATION #2  
BEGIN STA. 0+00  
LONGITUDE 89.9848  
LATITUDE 38.6019

LOCATION #1  
BEGIN STA. 262+16.90  
LONGITUDE 89.9415  
LATITUDE 38.5923

LOCATION #2  
END STA. 143+00  
LONGITUDE 89.9384  
LATITUDE 38.5930

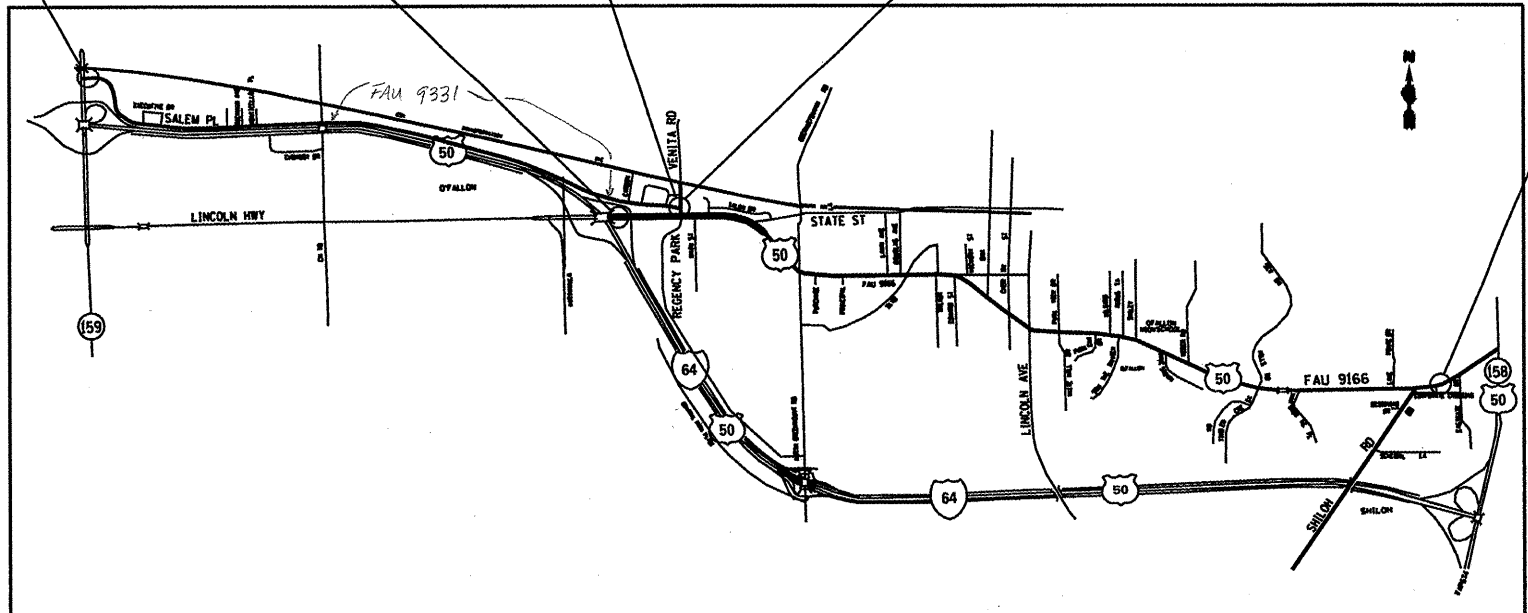
LOCATION #2  
VENITA DRIVE STA. 0+00  
LONGITUDE 89.9382  
LATITUDE 38.5925  
VENITA DRIVE STA. 2+51  
LONGITUDE 89.9383  
LATITUDE 38.5932

LOCATION #1  
END STA. 456+57.00  
LONGITUDE 89.8770  
LATITUDE 38.5818



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

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



PROJECT ENGINEER: TIM PADGETT (618) 346-3325  
PROJECT MANAGER: JANET ODELL-MUELLER (618) 346-3351

GROSS LENGTH = 34975.75 FT. = 6.62 MILE  
NET LENGTH = 32899.63 FT. = 6.23 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 3, 2010  
Mary C. Lurie  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 19, 2010  
Scott E. Stett, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2010  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

CONTRACT NO. 76D69

# GENERAL NOTES

- THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- 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.
- 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.
- 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.
- CARE SHALL BE TAKEN AT ALL SIDE ROADS DURING MILLING OPERATIONS TO ENSURE THAT THE PROPOSED HMA RESURFACING WILL MEET THE EXISTING SIDE ROADS.
- HMA SURFACE REMOVAL SHALL BE 1-1/2 INCHES BETWEEN STA 415+17 AND STA 415+75; ALL OTHER AREAS OF HMA SURFACE REMOVAL SHALL BE 2-1/4 INCHES.
- NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.
- SIDE ROADS, ENTRANCES AND RAMPS SHALL BE KEPT OPEN TO TRAFFIC AT ALL TIMES.
- 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.
- 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.
- THE CONTRACTOR MAY CHOOSE TO GROOVE IN THE PREFORMED PLASTIC PAVEMENT MARKINGS AT NO ADDITIONAL COST TO THE PROJECT.
- MIXTURES FOR JOINT, CRACKS, AND FLANGWAYS SHALL BE PAID FOR ACCORDING TO THE ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- 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.
- 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.
- 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.

17. ALL PATCHING ON THIS PROJECT SHALL BE COMPLETED PRIOR TO BITUMINOUS SURFACE REMOVAL.

- 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).
- 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.
- THE CONTRACTOR SHALL CHECK ALL DETECTOR LOOPS AFTER HMA SURFACE REMOVAL OPERATIONS ARE COMPLETE, AND REPLACE ALL INOPERABLE LOOPS.
- 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
- EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES.
- ANY EARTHWORK ASSOCIATED WITH THE REMOVAL OR PLACEMENT OF THE PIPE CULVERT ALONG VENITA DRIVE IS TO BE INCLUDED IN THE COST OF THE PIPE. THE DITCH LINE IS TO BE SHAPED TO ALLOW DRAINAGE TO THE SATISFACTION OF THE ENGINEER WITH THE COST INCLUDED IN THE PIPE.

- 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.
- ANY EARTHWORK ASSOCIATED WITH REMOVAL OR PLACEMENT OF THE CURB & GUTTER SHALL BE INCLUDED IN THE COST FOR THE COMBINATION CONCRETE CURB & GUTTER.
- 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.I.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.I.E. (800) 892-0123 ARE INDICATED BY \*. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

## INDEX OF SHEETS

- COVER SHEET
- INDEX OF SHEETS, STANDARDS, GENERAL NOTES, AND COMMITMENTS
- 6. SUMMARY OF QUANTITIES
- 12. TYPICAL SECTIONS
- 14. LOCATION MAP(S)
- 16. SCHEDULE(S) OF QUANTITIES
- 37. PLAN VIEW
- 45. DETAIL SHEETS
- 56. ELECTRICAL DETAILS

## STANDARDS

- 000001-05
- 001006
- 482001-02
- 542101-02
- 542301-02
- 542311-01
- 542401-01
- 606001-04
- 606301-04
- 701006-03
- 701011-02
- 701101-02
- 701311-03
- 701301-03
- 701326-03
- 701601-06
- 701901-01
- 780001-02
- 781001-03
- 886001-01
- 886006-01

701201-03 701501-05  
 701306-02 701502-03  
 701336-05 701602-04  
 701701-06

### THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

OLD US 50 FROM I-64 WB RAMPS TO SCOTT-TROY RD.

MIXTURE USE	POLY SURFACE	LEVEL BINDER	PATCHING	INCIDENTAL SURF
AC/PG	SBS 76-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE SPEC.	SEE SPEC.	SEE SPEC.	SEE SPEC.
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION				
(GRADATION MIXTURE)		IL 9.5	IL 19.0	
FRICTION AGG	MIXTURE "E"	MIXTURE "C"	MIXTURE "B"	MIXTURE "C"

MIXTURE USE	SHOULDERS
AC/PG	PG 64-22
RAP % (MAX)	SEE CONTRACT RAP SPECIAL PROVISION
DESIGN AIR VOIDS	2.0% @ Ndes=30
MIX COMPOSITION	
(GRADATION MIXTURE)	
FRICTION AGG	BAM

\*\* 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/50 YD/IN

SALEM PLACE DRIVE FROM IL 159 TO VENITA DRIVE; VENITA DRIVE FROM SALEM PLACE DRIVE TO OLD US 50

MIXTURE USE	SURFACE	LEVEL BINDER	PATCHING	INCIDENTAL SURF
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% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION				
(GRADATION MIXTURE)		IL 9.5	IL 19.0	
FRICTION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	MIXTURE "C"

MIXTURE USE	SHOULDERS
AC/PG	PG 64-22
RAP % (MAX)	SEE CONTRACT RAP SPECIAL PROVISION
DESIGN AIR VOIDS	2.0% @ Ndes=30
MIX COMPOSITION	
(GRADATION MIXTURE)	
FRICTION AGG	BAM

\*\* 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/50 YD/IN (59.8 KG/50 M/25 MM THICKNESS).

### COMMITMENTS

NO COMMITMENTS

FILE NAME *	USER NAME * alfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
altp...work\pndot\alfordb\8174224\0876...9-shr-plan.dgn	DRAWN - TRF	REVISED -	REVISED -			32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	2		
PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 76069					
PLOT DATE = 3/2/2010	DATE -	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						SCALE: NONE	SHEET NO. OF	SHEETS STA.	TO STA.		

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN 80% FED. 20% STATE	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	1000 LOCATION 1 FAL 9166	1000 LOCATION 2 FAL 9331	Y031-IF LOCATION 1 FAL 9166	Y031-IF LOCATION 2 FAL 9331
20200100	EARTH EXCAVATION	CU YD	329		329		
20400800	FURNISHED EXCAVATION	CU YD	108	108			
25000210	SEEDING, CLASS 2A	ACRE	0.19	0.19			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	17.1	17.1			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	17.1	17.1			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	17.1	17.1			
25100115	MULCH, METHOD 2	ACRE	0.19	0.19			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	19	19			
28000400	PERIMETER EROSION BARRIER	FOOT	605	605			
28000720	MULCH, METHOD 2	ACRE	0.19	0.19			
28100707	STONE DUMPED RIPRAP, CLASS A4	SO YD	146.5	145.4	1.1		
28200200	FILTER FABRIC	SO YD	146.5	145.4	1.1		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	41.1	30	11.1		
40600300	AGGREGATE (PRIME COAT)	TON	198.6	144.2	54.4		
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	6134.3	3879.6	2254.7		
40600895	CONSTRUCTING TEST STRIP	EACH	1	1			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1966.7	733.8	1232.9		
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	2175.3	1962	213.3		
40600990	TEMPORARY RAMP	SO YD	958.9	563.9	395		
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	3013.4		3013.4		
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	7082.4	7082.4			
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	319.9	189.4	130.5		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	361.3	361.3			
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	47770.9	47770.9			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	223	223			
44003800	MEDIAN SURFACE REMOVAL	SO FT	84.4	84.4			
44200120	PAVEMENT PATCHING, TYPE II, 10 INCH	SO YD	18.09		18.09		
44200124	PAVEMENT PATCHING, TYPE III, 10 INCH	SO YD	18.67		18.67		
44200126	PAVEMENT PATCHING, TYPE IV, 10 INCH	SO YD	28.23		28.23		
44200140	PAVEMENT PATCHING, TYPE I, 12 INCH	SO YD	19.6	19.6			
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SO YD	376.13	376.13			
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SO YD	243.13	243.13			

FILE NAME *	USER NAME * alfordb	DESIGNED -	REVISED -
ca:\ps\work\spidot\alfordb\8174224\0876091-shr-plan.dgn		DRAWN - TRF	REVISED -
PLOT SCALE * 1/8" = 1' IN.		CHECKED -	REVISED -
PLOT DATE * 3/2/2018		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET NO. OF SHEETS	32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	3
		CONTRACT NO. T6069			
		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN 80% FED. 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT		1000 LOCATION 1 FAU 9166	1000 LOCATION 2 FAU 9331	Y031-IF LOCATION 1 FAU 9166	Y031-IF LOCATION 2 FAU 9331
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SO YD	261.8	261.8			
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	865.8	339.3	526.5		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	1376.8	1307.2	69.6		
50105220	PIPE CULVERT REMOVAL	FOOT	16		16		
50800105	REINFORCEMENT BARS	POUND	61.5	61.5			
54002060	EXPANSION BOLTS 3/4 INCH X 12 INCH	EACH	12	12			
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	3	3			
54213870	STEEL END SECTIONS 15"	EACH	1		1		
54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	3	3			
54248510	CONCRETE COLLAR	CU YD	1	1			
542A0235	PIPE CULVERTS, CLASS A, TYPE I 30"	FOOT	21	21			
542D0220	PIPE CULVERTS, CLASS D, TYPE I 15"	FOOT	18		18		
550A4300	STORM SEWERS, CLASS A, TYPE I EQUIVALENT ROUND-SIZE 30"	FOOT	85	85			
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	11	11			
60260600	INLETS TO BE ADJUSTED WITH NEW TYPE 4 FRAME AND GRATE	EACH	1	1			
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	4	4			
60300350	MANHOLE FRAMES TO BE ADJUSTED	EACH	2	2			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6, 24	FOOT	122	122			
60607400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9, 24	FOOT	48	48			
60621200	CONCRETE MEDIAN, TYPE SB-9, 24	SO FT	106.6	106.6			
*63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	300	300			
*63000003	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS	FOOT	306.25	306.25			
*63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	43.75	43.75			
*63100167	TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) TANGENT	EACH	2	2			
*63100169	TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) FLARED	EACH	5	5			
63200310	GUARDRAIL REMOVAL	FOOT	1531.3	1531.3			
63301210	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	450	450			
63301990	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE I	EACH	1	1			

\* Specialty Items

FILE NAME *	USER NAME * e1fordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pe_work\spidot\elfordb\08174224\0876	59-shr:plandgn	DRAWN - TRF	REVISED -			32RS-3	3IRS-3, IRS-1	ST. CLAIR	56	4
	PLOT SCALE * 1/8" = 1'	CHECKED -	REVISED -							
	PLOT DATE * 3/2/2010	DATE -	REVISED -							
						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
									CONTRACT NO. 76069	



# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN 80% FED. 20% STATE	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	1000 LOCATION 1 <i>FALL 9100</i>	1000 LOCATION 2 <i>FALL 9331</i>	Y031-IF LOCATION 1 <i>FALL 9100</i>	Y031-IF LOCATION 2 <i>FALL 9331</i>
*63302500	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4	4			
66400105	CHAIN LINK FENCE, 4'	FOOT	555		555		
66410300	CHAIN LINK FENCE REMOVAL	FOOT	555		555		
66502405	WOVEN WIRE FENCE REMOVAL AND REPLACEMENT	FOOT	1380		1380		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5			
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	0.5	0.5		
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1		1		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.5	0.5		
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1			
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1			
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10		10		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	17938	12252	5686		
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	5629	5302	327		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	303540	182778	120762		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	5994	3744	2250		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1659	1512	147		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	1478	1010	468		
*72000100	SIGN PANEL - TYPE 1	SO FT	5	5			
*72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1			
*72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1			
*72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	9.5	9.5			
*73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	2	2			
*78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SO FT	1876.4	1767.2	109.2		

*\*Specialty Items*

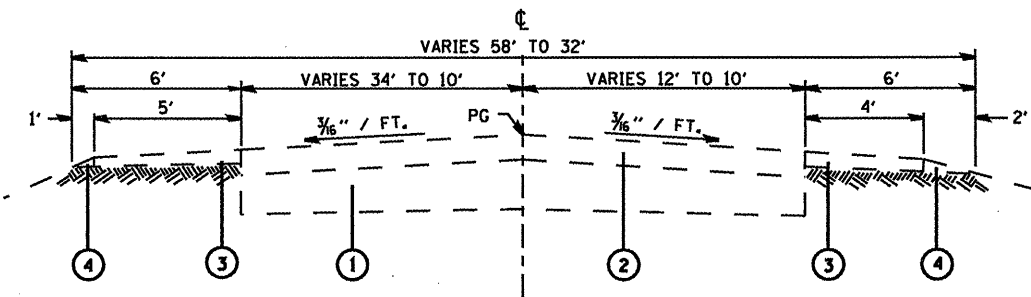
FILE NAME *	USER NAME * allfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
el\p\work\p\dot\allfordb\174224\d876	99-shr-plan.dgn	DRAWN - TRF	REVISED -			0331/1104	32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	5
	PLOT SCALE = 1/8" = 100'	CHECKED -	REVISED -							
	PLOT DATE = 3/2/2010	DATE -	REVISED -							
					SCALE:	SHEET NO. OF SHEETS		STA.	TO STA.	
					FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			
					CONTRACT NO. 76069					

# SUMMARY OF QUANTITIES

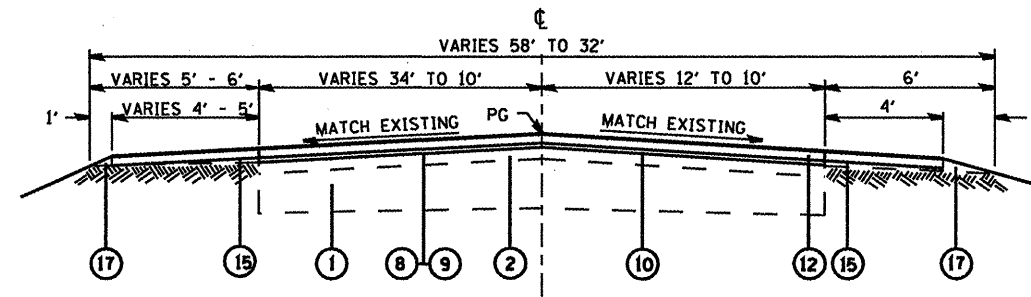
SUMMARY OF QUANTITIES			URBAN 80% FED. 20% STATE	CONSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	1000 LOCATION 1 <i>FALL 9166</i>	1000 LOCATION 2 <i>FALL 9331</i>	Y031-IF LOCATION 1 <i>FALL 9166</i>	Y031-IF LOCATION 2 <i>FALL 9331</i>
X78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	101180	60926	40254		
X78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	1998	1248	750		
X78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	553	504	49		
X78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1248	874	374		
X78200300	PRISMATIC CURB REFLECTOR	EACH	32	32			
X78200410	GUARDRAIL MARKERS, TYPE A	EACH	24	24			
X78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	7	7			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	962	782	180		
X80300100	LOCATING UNDERGROUND CABLE	FOOT	305			280	25
X88600600	DETECTOR LOOP REPLACEMENT	FOOT	9197			8293	904
X0320547	REMOVE AND REINSTALL END SECTION	EACH	1	1			
X0976500	END SECTIONS TO BE REMOVED	EACH	1		1		
X4421000	PARTIAL DEPTH PATCHING	TON	10	10			
X4422027	PARTIAL DEPTH REMOVAL 2. 1/2"	SO YD	71.1	71.1			
X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SO FT	106.6	106.6			

*\*Specialty Items*

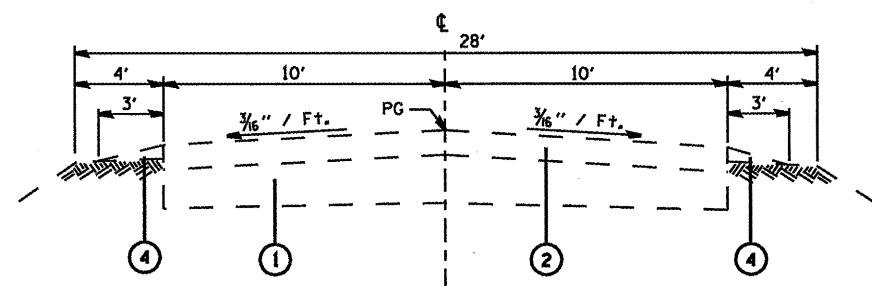
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ca\pwwork\psidot\alford\08174224\d87607-shr-plan.dgn		DRAWN - TRF	REVISED -				32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	6
PLOT SCALE = 1/8" = 100'		CHECKED -	REVISED -							
PLOT DATE = 3/2/2010		DATE -	REVISED -							
						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
									CONTRACT NO. 76069	



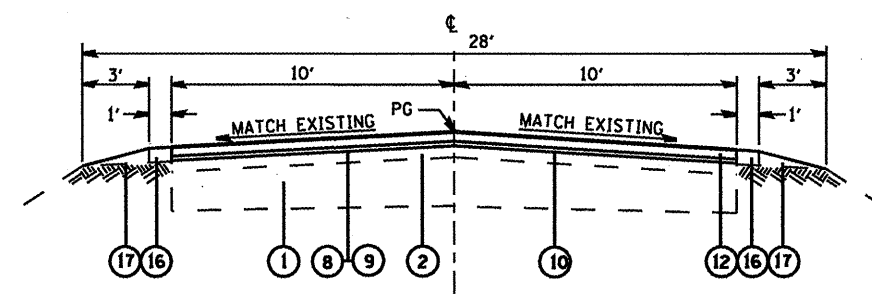
**EXISTING TYPICAL SECTION**  
STA. 0+00 TO STA. 6+54



**PROPOSED TYPICAL SECTION**  
STA. 0+00 TO STA. 6+54



**EXISTING TYPICAL SECTION**  
STA. 6+54 TO STA. 57+10  
STA. 60+48 TO STA. 143+00



**PROPOSED TYPICAL SECTION**  
STA. 6+54 TO STA. 57+10  
STA. 60+48 TO STA. 143+00

**LEGEND**

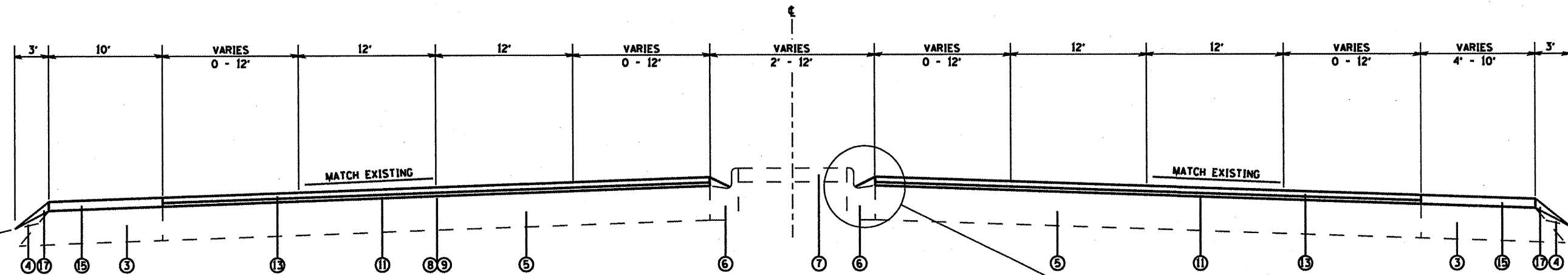
- ① EXISTING 13" AGGREGATE PAVEMENT
- ② EXISTING HOT-MIX ASPHALT PAVEMENT
- ③ EXISTING HOT-MIX ASPHALT SHOULDER
- ④ EXISTING AGGREGATE WEDGE
- ⑤ EXISTING PCC PAVEMENT
- ⑥ EXISTING PCC CURB AND GUTTER
- ⑦ EXISTING PCC MEDIAN
- ⑧ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑨ PROPOSED AGGREGATE (PRIME COAT)
- ⑩ PROPOSED LEVELING BINDER (MACHINE METHOD) 3/4"
- ⑪ PROPOSED LEVELING BINDER (MACHINE METHOD) 1"
- ⑫ PROPOSED HMA SURFACE COURSE 1 1/2"
- ⑬ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE 1 1/2"
- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"
- ⑮ PROPOSED HMA SHOULDERS
- ⑯ PROPOSED 1' HMA SHOULDER STRIP (SEE SHEET 42)
- ⑰ PROPOSED AGGREGATE WEDGE, TYPE B

FILE NAME *	USER NAME * alfordb	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

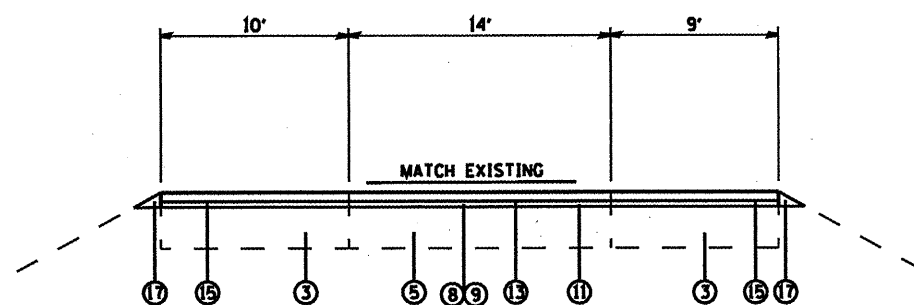
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS - SALEM PLACE DRIVE</b>	
SCALE:	SHEET NO. OF SHEETS STA. TO STA.

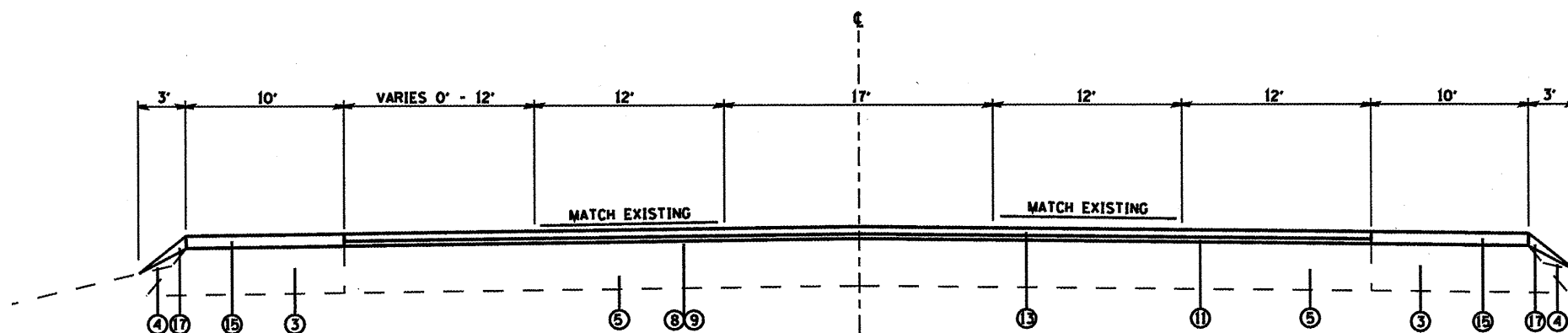
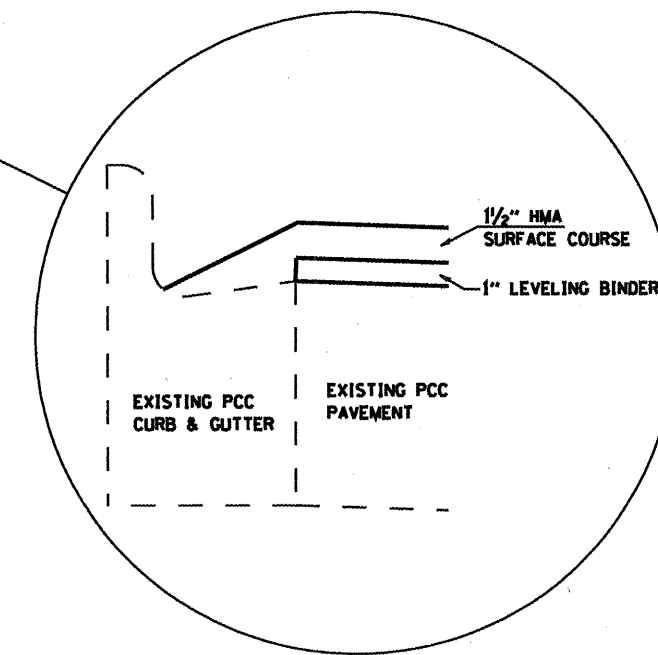
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3, 31RS-3, 1RS-1		ST. CLAIR	56	7
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 76069	



**TYPICAL SECTION**  
STA. 252+16.9 TO STA. 279+48



**TYPICAL SECTION**  
STATE STREET RAMP  
(WITHIN BUTT JOINT LIMITS)  
STA. 276+93



**TYPICAL SECTION**  
STA. 279+48 TO STA. 287+98.2

**LEGEND**

- ① EXISTING 13" AGGREGATE PAVEMENT
- ② EXISTING HOT-MIX ASPHALT PAVEMENT
- ③ EXISTING HOT-MIX ASPHALT SHOULDER
- ④ EXISTING AGGREGATE WEDGE
- ⑤ EXISTING PCC PAVEMENT
- ⑥ EXISTING PCC CURB AND GUTTER
- ⑦ EXISTING PCC MEDIAN
- ⑧ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑨ PROPOSED AGGREGATE (PRIME COAT)
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- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"
- ⑮ PROPOSED HMA SHOULDERS
- ⑯ PROPOSED 1' HMA SHOULDER STRIP (SEE SHEET 42)
- ⑰ PROPOSED AGGREGATE WEDGE, TYPE B

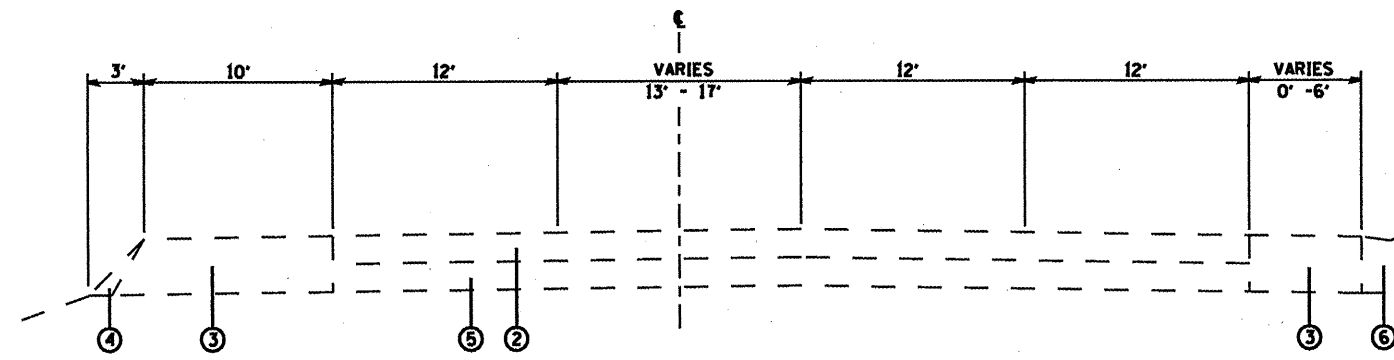
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PLOT DATE = 3/2/2010		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

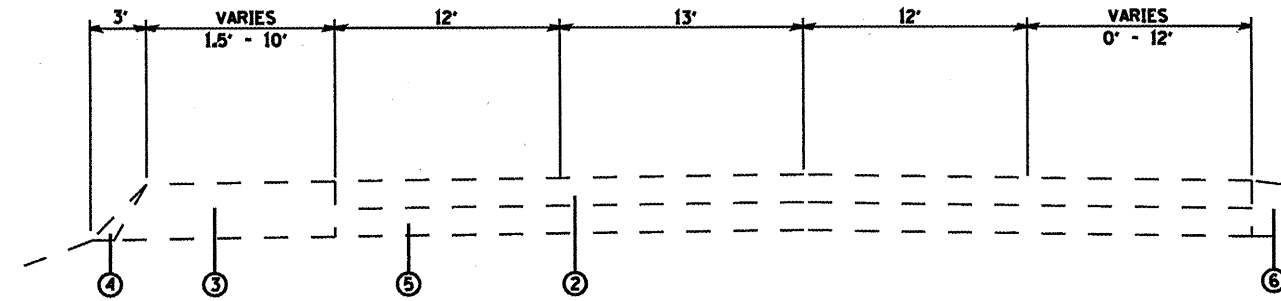
TYPICAL SECTIONS - OLD US 50

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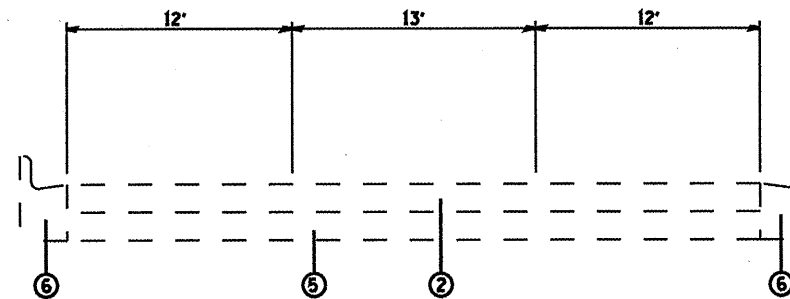
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0331/944	32RS-3, 3JRS-3, IRS-1	ST. CLAIR	56	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76069	



**EXISTING TYPICAL SECTION**  
STA. 289+36.8 TO STA. 296+00



**EXISTING TYPICAL SECTION**  
STA. 296+00 TO STA. 314+33



**EXISTING TYPICAL SECTION**  
STA. 314+33 TO STA. 329+70

**LEGEND**

- ① EXISTING 13" AGGREGATE PAVEMENT
- ② EXISTING HOT-MIX ASPHALT PAVEMENT
- ③ EXISTING HOT-MIX ASPHALT SHOULDER
- ④ EXISTING AGGREGATE WEDGE
- ⑤ EXISTING PCC PAVEMENT
- ⑥ EXISTING PCC CURB AND GUTTER
- ⑦ EXISTING PCC MEDIAN
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- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"
- ⑮ PROPOSED HMA SHOULDERS
- ⑯ PROPOSED 1' HMA SHOULDER STRIP (SEE SHEET 42)
- ⑰ PROPOSED AGGREGATE WEDGE, TYPE B

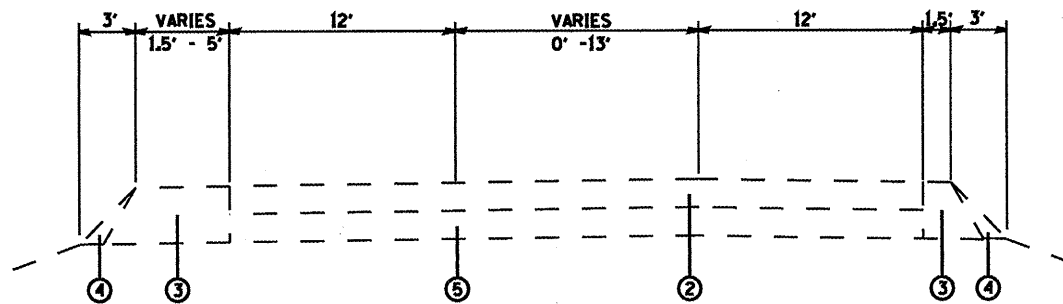
FILE NAME -	USER NAME - eifordb	DESIGNED -	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

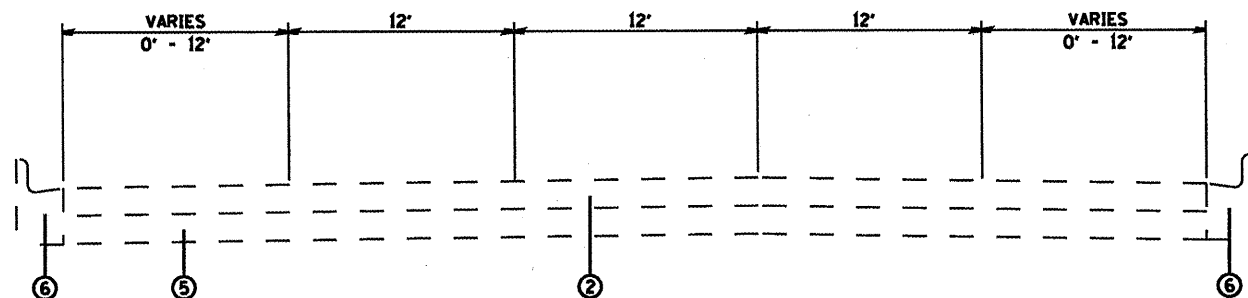
TYPICAL SECTIONS - OLD US 50

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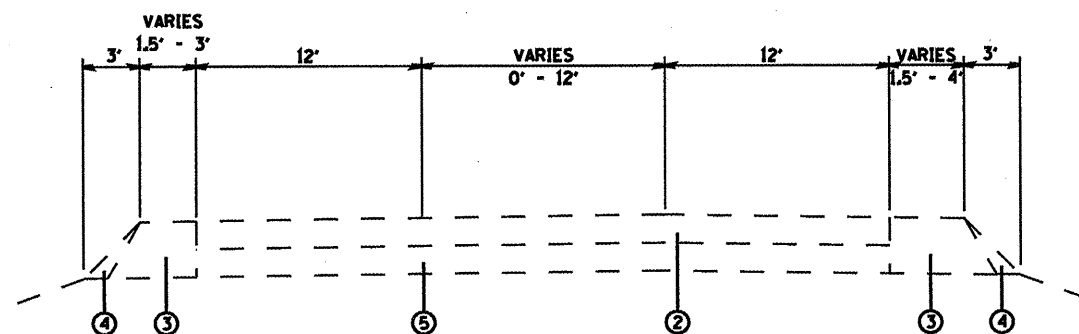
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3, 3IRS-3, IRS-1		ST. CLAIR	56	4
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76069	



**EXISTING TYPICAL SECTION**  
STA. 329+70 TO STA. 334+70.5



**EXISTING TYPICAL SECTION**  
STA. 353+55 TO STA. 402+35



**EXISTING TYPICAL SECTION**  
STA. 402+35 TO STA. 456+57

**LEGEND**

- ① EXISTING 13" AGGREGATE PAVEMENT
- ② EXISTING HOT-MIX ASPHALT PAVEMENT
- ③ EXISTING HOT-MIX ASPHALT SHOULDER
- ④ EXISTING AGGREGATE WEDGE
- ⑤ EXISTING PCC PAVEMENT
- ⑥ EXISTING PCC CURB AND GUTTER
- ⑦ EXISTING PCC MEDIAN
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- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"
- ⑮ PROPOSED HMA SHOULDERS
- ⑯ PROPOSED 1' HMA SHOULDER STRIP (SEE SHEET 42)
- ⑰ PROPOSED AGGREGATE WEDGE, TYPE B

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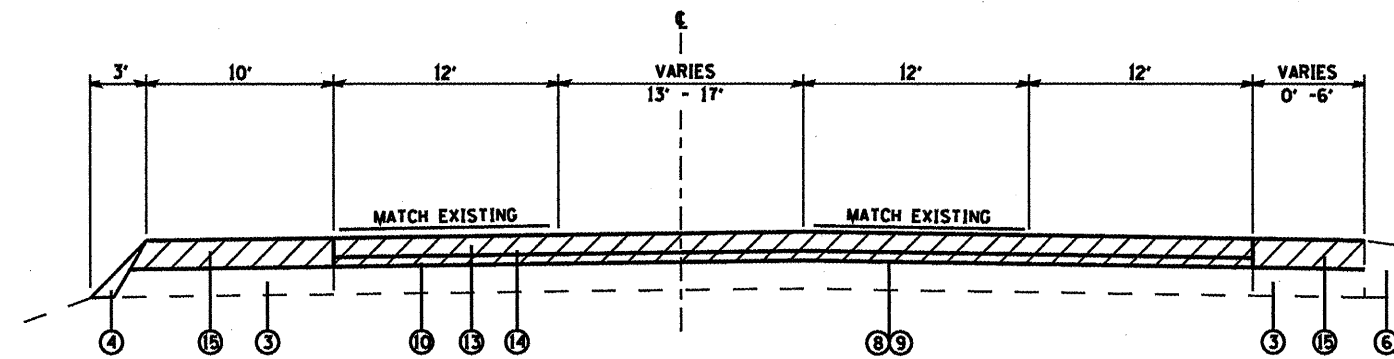
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS OLD US 50

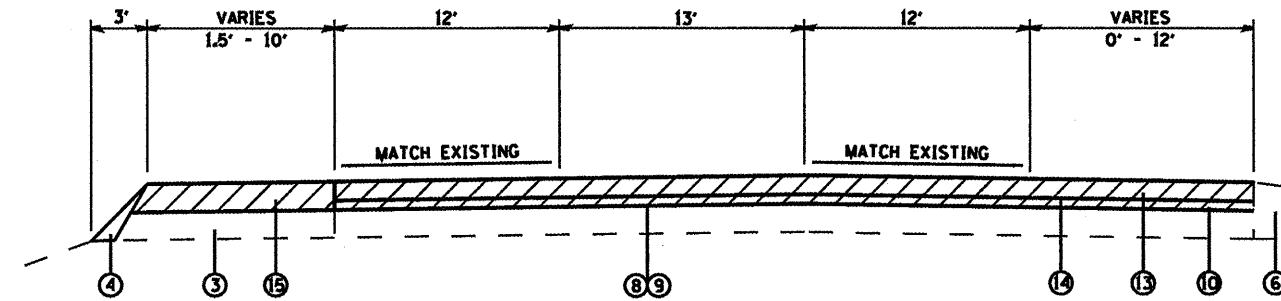
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F.A.U. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76069	

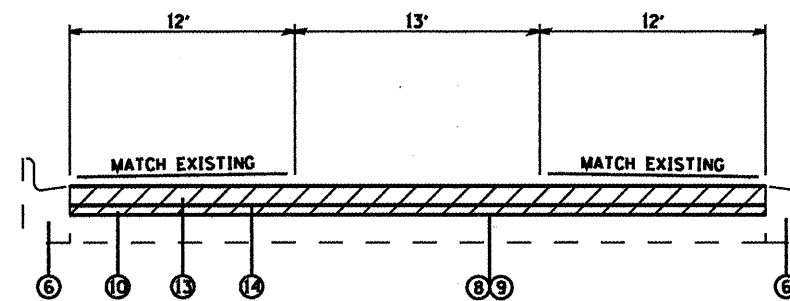




**PROPOSED TYPICAL SECTION**  
STA. 289+36.8 TO STA. 296+00



**PROPOSED TYPICAL SECTION**  
STA. 296+00 TO STA. 314+33

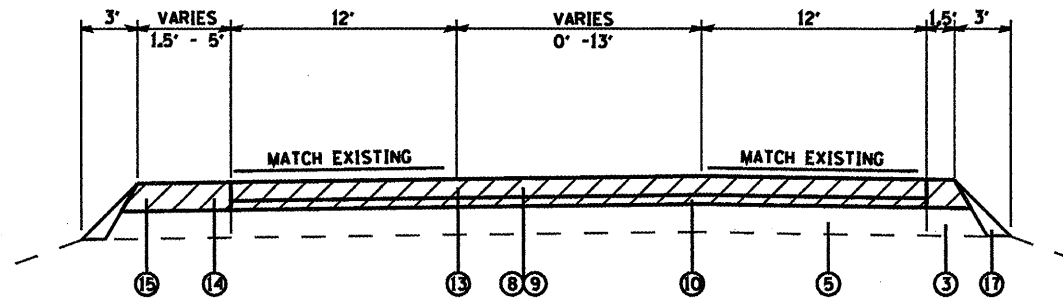


**PROPOSED TYPICAL SECTION**  
STA. 314+33 TO STA. 329+70

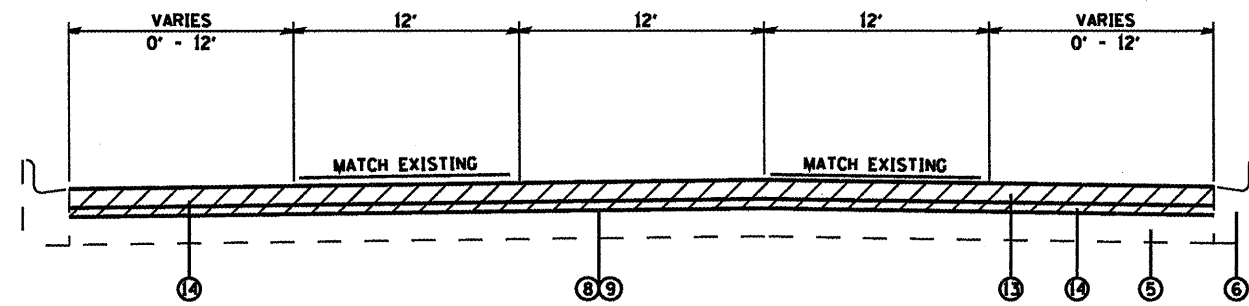
**LEGEND**

- ① EXISTING 13" AGGREGATE PAVEMENT
- ② EXISTING HOT-MIX ASPHALT PAVEMENT
- ③ EXISTING HOT-MIX ASPHALT SHOULDER
- ④ EXISTING AGGREGATE WEDGE
- ⑤ EXISTING PCC PAVEMENT
- ⑥ EXISTING PCC CURB AND GUTTER
- ⑦ EXISTING PCC MEDIAN
- ⑧ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
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- ⑬ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE 1 1/2"
- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"
- ⑮ PROPOSED HMA SHOULDERS
- ⑯ PROPOSED 1' HMA SHOULDER STRIP (SEE SHEET 42)
- ⑰ PROPOSED AGGREGATE WEDGE, TYPE B

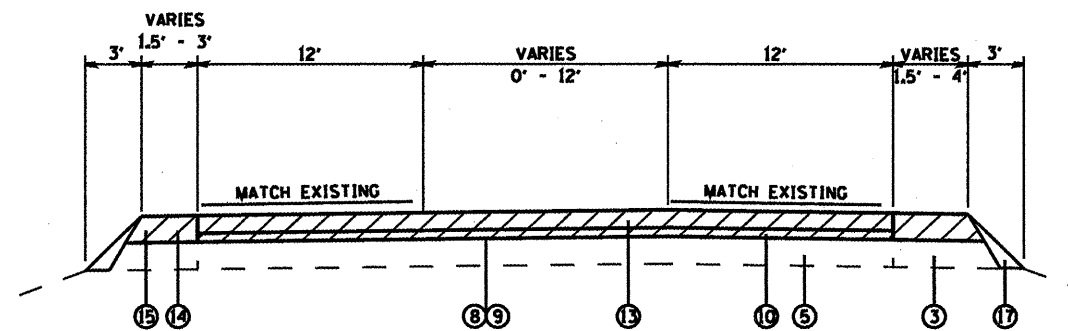
FILE NAME *	USER NAME * eifordb	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS - OLD US 50</b>		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLT DATE = 3/2/2010	CHECKED -	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76069
		DATE -	REVISED -								



**PROPOSED TYPICAL SECTION**  
STA. 329+70 TO STA. 334+70.5



**PROPOSED TYPICAL SECTION**  
STA. 353+55 TO STA. 402+35

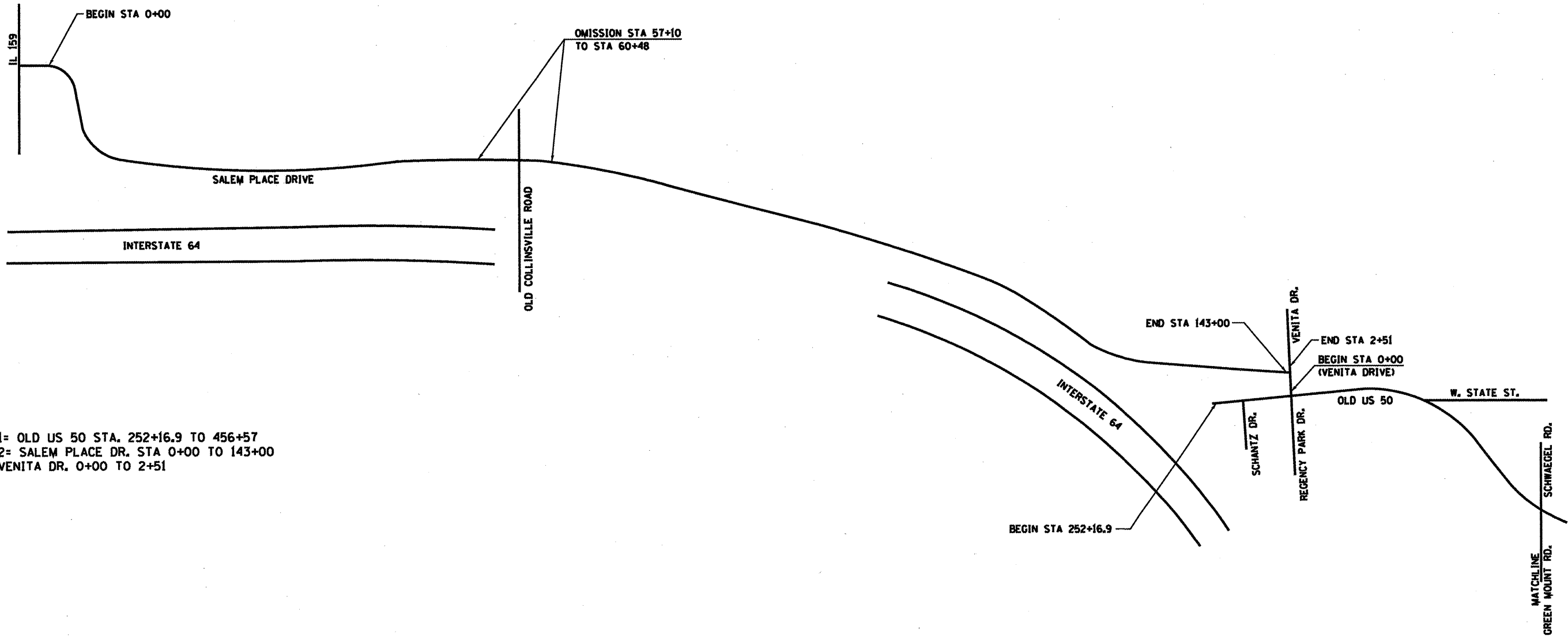


**PROPOSED TYPICAL SECTION**  
STA. 402+35 TO STA. 456+57  
• PROPOSED HMA SURFACE REMOVAL, 1 1/2"  
FROM STA. 415+17.20 TO STA. 416+24.60

**LEGEND**

- ① EXISTING 13" AGGREGATE PAVEMENT
- ② EXISTING HOT-MIX ASPHALT PAVEMENT
- ③ EXISTING HOT-MIX ASPHALT SHOULDER
- ④ EXISTING AGGREGATE WEDGE
- ⑤ EXISTING PCC PAVEMENT
- ⑥ EXISTING PCC CURB AND GUTTER
- ⑦ EXISTING PCC MEDIAN
- ⑧ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
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- ⑭ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"
- ⑮ PROPOSED HMA SHOULDERS
- ⑯ PROPOSED 1' HMA SHOULDER STRIP (SEE SHEET 42)
- ⑰ PROPOSED AGGREGATE WEDGE, TYPE B

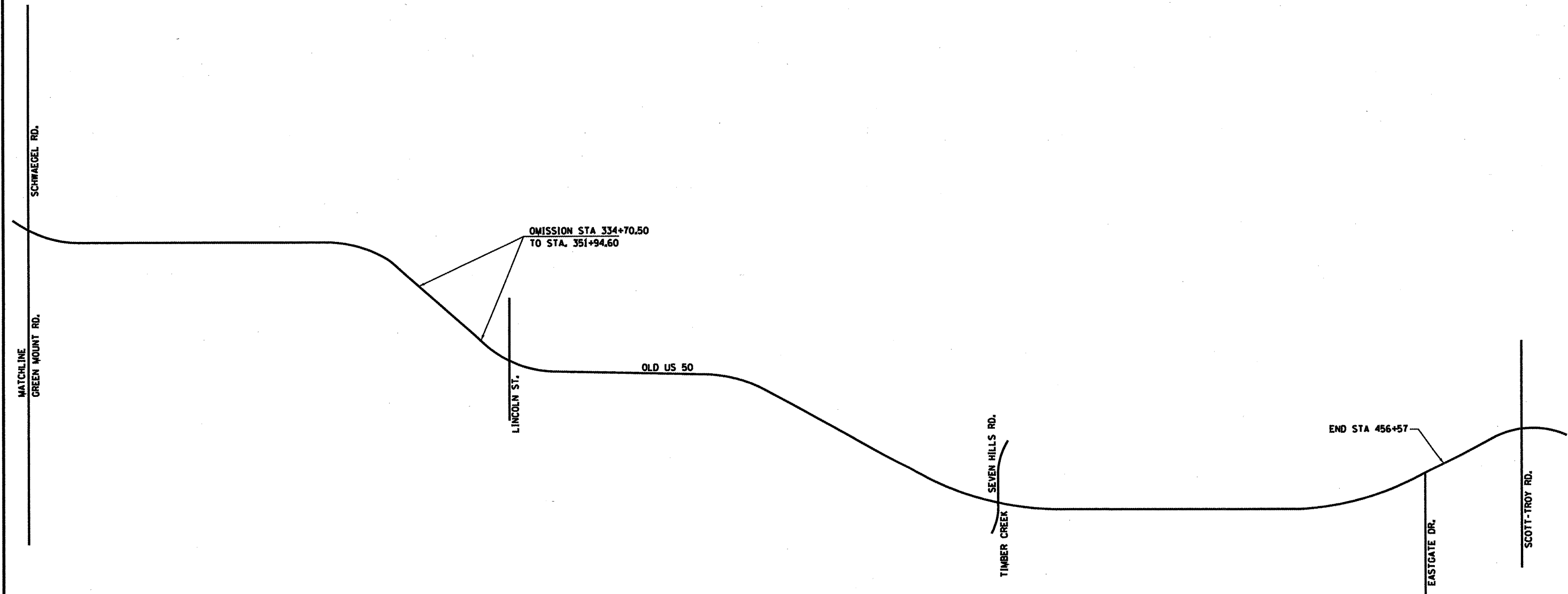
FILE NAME *	USER NAME * allfordb	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS - OLD US 50</b>	F.A.J. R.T.E.	SECTION	COUNTY	TOTAL SHEET NO.
en\pe\work\PMIDOT\VALFORDB\08174224\0870697\shl-plan.dgn	DRAWN - TRF	REVISED -	32RS-3, 3IRS-3, IRS-1			ST. CLAIR	56 12		
PLOT SCALE = 96.0000' / IN.	CHECKED -	REVISED -	<b>CONTRACT NO. 76069</b>						
PLOT DATE = 3/2/2010	DATE -	REVISED -	SCALE: NONE			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



LOC 1= OLD US 50 STA. 252+16.9 TO 456+57  
 LOC 2= SALEM PLACE DR. STA 0+00 TO 143+00  
 AND VENITA DR. 0+00 TO 2+51

NOT TO SCALE

FILE NAME :	USER NAME : alford	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP			F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
al\p\work\p\alford\alford\08174224\0876	69-shr-plan.dgn	DRAWN - TRF	REVISED -					32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	13	
	PLOT SCALE = 1/8" = 100'	CHECKED -	REVISED -		CONTRACT NO. 76069							
	PLOT DATE = 3/2/2010	DATE -	REVISED -		SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



NOT TO SCALE

FILE NAME * c:\p\work\p\rdos\elfordb\08174224\0876	USER NAME * elfordb	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>LOCATION MAP OLD US 50</b>	F.A.J. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE * 3/2/2010	CHECKED -	REVISED -			<b>CONTRACT NO. 76069</b>				
	DATE -	REVISED -	SCALE:      SHEET NO. OF SHEETS STA. TO STA.			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

# SCHEDULE OF QUANTITIES

PAVEMENT PATCHING SCHEDULE 12"								
LOCATION	LANE	SIDE	SIZE		PAVEMENT PATCHING			
			LENGTH (FT)	WIDTH (FT)	TYPE I (SQ YD)	TYPE II (SQ YD)	TYPE III (SQ YD)	TYPE IV (SQ YD)
STATION	LT / R							
<b>OLD US 50</b>								
258+37	EB	LT	6	6	4.00			
264+77	EB	LT	10	12		13.33		
264+92	EB	LT	6	12		8.00		
276+67	EB	LT	8	12		10.67		
281+27	EB	RT	50	6				33.33
276+88	WB	RAMP	12	14			18.67	
287+98	WB	LT	4	12		5.33		
287+98	BI-DI		4	16		7.11		
287+98	EB	RT	6	12		8.00		
287+98	EB	RT	6	12		8.00		
306+75	EB	RT	22	12				29.33
306+75	BI-DI		24	12				32.00
306+75	WB	LT	20	12				26.67
308+00	EB	RT	30	12				40.00
308+00	BI-DI		24	12				32.00
308+00	WB	LT	20	12				26.67
309+18	BI-DI		16	12			21.33	
309+18	WB	LT	16	12			21.33	
310+77	WB	LT	6	12		8.00		
310+77	BI-DI		6	12		8.00		
311+10	WB	LT	6	12		8.00		
311+10	BI-DI		6	12		8.00		
311+48	WB	LT	7	12		9.33		
311+48	BI-DI		8	12		10.67		
311+48	EB	RT	8	12		10.67		
311+82	WB	LT	6	12		8.00		
311+82	BI-DI		7	12		9.33		
318+85	LT Turn		12	12			16.00	
319+64	LT Turn		6	12		8.00		
363+94	BI-DI		16	12			21.33	
363+94	EB	RT	16	12			21.33	
363+94	WB	LT	22	12				29.33
369+70	EB	RT	27	8			24.00	
385+70	BI-DI		7	7		5.44		
386+60	WB	LT	4	6	2.67			
386+60	BI-DI		4	12		5.33		
387+80	EB	RT	4	6	2.67			
387+80	WB	LT	4	6	2.67			
387+80	BI-DI		4	12		5.33		
388+32	BI-DI		4	12		5.33		
398+70	WB	LT	13	6		8.67		
398+70	BI-DI		18	8			16.00	
401+68	WB	LT	13	12			17.33	
402+01	BI-DI		4	6	2.67			
402+56	BI-DI		6	12		8.00		
403+67	BI-DI		6	12		8.00		
404+25	BI-DI		6	6	4.00			
404+25	WB	LT	8	8		7.11		
405+18	BI-DI		8	12		10.67		
405+18	WB	LT	6	12		8.00		
407+16	WB	LT	4	12		5.33		
407+59	BI-DI		10	12		13.33		
410+93	EB	RT	7	7		5.44		
414+77	EB	RT	9	12		12.00		
414+77	WB	LT	9	12		12.00		
415+98	EB	RT	7	12		9.33		
415+98	WB	LT	7	12		9.33		
418+19	WB	LT	4	12		5.33		
418+56	EB	RT	8	12		10.67		
421+42	WB	LT	11	12		14.67		
421+42	EB	RT	15	12			20.00	
430+72	WB	LT	7	12		9.33		
431+64	EB	RT	8	8		7.11		
433+39	WB	LT	8	12		10.67		
433+48	EB	RT	13	12			17.33	
447+58	WB	LT	8	19			16.89	
452+54	WB	LT	10	12		13.33		
Anticipated 5% Growth					0.93	17.91	11.58	12.47
TOTALS (SQ YD)					19.60	376.13	243.13	261.80

PAVING SCHEDULE									
LOCATION		BIT MAT'LS PRIME COAT (TON)	AGG PRIME COAT (TON)	LEVELING BINDER (MM), N90 (TON)	POLYMERIZED HOT-MIX ASPHALT SURF CSE MIX "E", N90 (TON)	HOT-MIX ASPHALT SURFACE COURSE MIX "D", N90 (TON)	AGG WEDGE SHLDR TYPE B (TON)	HOT-MIX ASPHALT SHOULDER (TON)	INCIDENTAL HOT-MIX ASPHALT SURFACE (TON)
BEGIN STATION	END STATION								
<b>OLD US 50</b>									
252+17	287+98	10.6	50.9	1459.5	2207		103.4	875.7	105.7
289+37	334+71	6.5	31.4	818.1	1636.2		32.7	179.4	
351+95	415+17	8.4	40.3	1089.7	2192.2		48.3	90.7	
415+17	456+57	4.5	21.6	512.3	1047		154.9	161.4	83.7
<b>SALEM PLACE</b>									
0+00	57+10	4.5	22.5	901.5			1231.1	199.3	69.6
60+48	143+00	6.3	30.3	1309.3			1694.4	319.9	51.4
<b>VENITA</b>									
0+00	2+51	0.3	1.6	43.9			87.9	7.3	1.4
TOTALS		41.1	198.6	6134.3	7082.4		3013.4	865.8	1376.8

PAVEMENT PATCHING SCHEDULE 10"								
LOCATION	LANE	SIDE	SIZE		PAVEMENT PATCHING			
			LENGTH (FT)	WIDTH (FT)	TYPE II (SQ YD)	TYPE III (SQ YD)	TYPE IV (SQ YD)	
STATION	LT / R							
<b>Venita Drive</b>								
2+17	SB	LT	12	5	6.67			
<b>Salem Drive</b>								
142+50	EB	RT	19	5	10.56			
142+80	WB	LT	22	11				26.89
143+00	EB	RT	16	10			17.78	
Anticipated 5% Growth					0.86	0.89	1.34	
TOTALS (SQ YD)					18.09	18.67	28.23	

SURFACE REMOVAL					
LOCATION		HOT-MIX ASPHALT SURFACE REMOVAL 1-1/2" (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL 2-1/4" (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL BUTT JT (SQ YD)	PCC SURFACE REMOVAL BUTT JT (SQ YD)
BEGIN STATION	END STATION				
<b>OLD US 50</b>					
252+17	287+98			111.1	1726
289+37	334+71		20903.3		
351+95	415+17		26867.6		
415+17	456+57	361.3		622.7	236
<b>SALEM PLACE</b>					
0+00	57+10			716.7	213.3
60+48	143+00			388.4	
<b>VENITA</b>					
0+00	2+51			127.8	
TOTAL (SQ YD)		361.3	47770.9	1966.7	2175.3

PAVEMENT MARKING																				
LOCATION	BEGIN STATION	END STATION	PERFORMED PLASTIC PAVEMENT MARKING								SHORT TERM PAVEMENT MARKING (SQ FT)	WORK ZONE PAVEMENT REMOVAL (SQ FT)	TEMPORARY PAVEMENT MARKING							
			4" LINE				12" LINE						24" LINE	LETTERS AND SYMBOLS	4" LINE				12" LINE	
			WHITE SOLID (FT)	YELLOW SKIP-D ASH (FT)	WHITE SOLID (FT)	YELLOW SKIP-D ASH (FT)	WHITE SOLID (FT)	YELLOW SOLID (FT)	WHITE SOLID (FT)	LETTERS AND SYMBOLS (SQ FT)			WHITE SOLID (FT)	YELLOW SKIP-D ASH (FT)	WHITE SOLID (FT)	YELLOW SOLID (FT)	WHITE SOLID (FT)	LETTERS AND SYMBOLS (SQ FT)		
<b>OLD US 50</b>																				
252+22	278+51	7238	854	4708	0	74	121	84	249.6	1368	113	21714	2562	14124	0	222	363	252	749	
278+51	294+52	1644	916	3586	419	0	0	60	161.2	2632	217	4932	2748	10758	1257	0	0	180	484	
294+52	334+71	2312	95	12232	1348	76	144	48	527.4	4344	358	6936	285	36696	4044	228	432	144	1582	
351+95	355+00	93	0	936	0	50	0	24	15.6	344	28	279	0	2808	0	150	0	72	47	
355+00	400+82	0	26	9130	1946	36	576	192	249.6	1468	121	0	78	27390	5838	108	1728	576	749	
400+82	409+29	535	0	1496	288	0	72	60	428.6	1044	86	1605	0	4488	864	0	216	180	1286	
409+29	456+07	137	55	10514	418	63	36	36	135.2	1052	87	411	165	31542	1254	189	108	108	406	
<b>SALEM PLACE</b>																				
0+00	57+10	11813	0	4426	1073	639	0	34	57.2	2284	188	35439	0	13279	3220	1917	0	102	172	
60+48	143+00	16504	0	3795	1807	0	0	0	0.0	3301	272	49512	0	11385	5420	0	0	0	0	
<b>VENITA DR</b>																				
0+00	2+51	0	0	836	0	111	0	15	52.0	101	8	0	0	2508	0	333	0	45	156	
COLUMN TOTALS		40276	1946	51659	7299	1049	949	553	1876.4	17938	1478	120828	5838	154977	21897	3147	2847	1659	5629	
TOTALS			101180		1998	553	1876.4	17938	1478		303540		5994	1659	5629					

PARTIAL DEPTH PATCHING SCHEDULE						
LOCATION	LANE	PL / DL or TURN	SIZE		PARTIAL DEPTH REM 2.5" (SQ YD)	PARTIAL DEPTH PATCHING (TON)
			LENGTH (FT)	WIDTH (FT)		
<b>OLD US 50 Eastbound</b>						
258+57	PL		60	2	13.33	1.90
260+57	PL		75	2	16.67	2.30
266+07	DL		50	2	11.11	1.60
270+02	DL		75	2	16.66	2.30
271+27	DL		25	2	5.56	0.80
284+27	DL		35	2	7.78	1.10
TOTALS					71.10	10.00

SIGN SCHEDULE							
LOCATION	OFFSET	SIGN DESIGNATION	REMOVE SIGN PANEL ASSY, TY A (EACH)	RELOCATE SIGN PANEL ASSY, TY A (EACH)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	BASE FOR TELE STL SIGN SUPPOR (EACH)	SIGN PANEL TYPE I (SQ FT)
<b>OLD US 50</b>							
267+57	9' LT			1		1	
278+84	9' RT	R4-7 (24" X 30")			9.5	1	5.0
366+15	20' RT		1				
TOTALS			1	1	9.5	2	5.0

# SCHEDULE OF QUANTITIES

## GUARDRAIL SCHEDULE

LOCATION		SIDE	GUARDRAIL REMOVAL (FT)	SPBGR COMPLIES WITH CURRENT STANDARDS AND SPECIFICATIONS				SPBGR COMPLIES WITH PLAN DETAILS, SPECIFICATIONS & STANDARDS PRIOR TO JANUARY 1, 2007				GUARDRAIL MARKER TYPE A (EACH)	TERMINAL MARKER DIRECT APPLIED (EACH)	
				SPBGR TYPE A 6' POST (FT)	SPBGR TYPE A 9' POST (FT)	SPBGR ATTACHED TO STRUCTURE (FT)	TBT TY 1 (SPECIAL) TANGENT (EACH)	TBT TY 1 (SPECIAL) FLARED (EACH)	TBT TY 1 (SPECIAL) FLARED (EACH)	REMOVE & RE-ERECT SPBGR TY A (FT)	REMOVE & RE-ERECT TBT TY 5A (EACH)			REMOVE & RE-ERECT TBT TY 1 (EACH)
OLD US 50														
265+23.00 to 267+23.00	RT		200.00											
279+30.00 to 283+23.75	RT		393.8											
279+30.00 to 279+80.00	RT						1						1	
279+80.00 to 282+80.00	RT		300.00								5			
282+80.00 to 283+30.00	RT						1						1	
412+77.65 to 413+52.65	RT		75.00											
413+02.65 to 413+52.65	RT							1					1	
413+52.65 to 415+15.90	RT								150.00	1		4		
413+77.65 to 414+27.65	LT		37.50					1					1	
414+27.65 to 415+15.90	LT								75.00	1		3		
415+79.50 to 416+80.25	RT								87.50	1		3		
416+80.25 to 417+55.25	RT		25.00								1			
415+79.50 to 417+30.25	LT								137.50	1		3		
417+30.25 to 417+80.25	LT		25.00										1	
431+73.50 to 433+86.00	LT		212.50											
431+73.50 to 433+86.00	RT		212.50											
443+91.00 to 447+41.00	LT		350.00											
443+48.00 to 443+98.00	LT							1					1	
443+98.00 to 444+85.50	LT			87.50								2		
444+85.50 to 445+04.25	LT				18.75									
445+04.25 to 446+35.50	LT			131.25								2		
446+35.50 to 446+60.50	LT				25.00									
446+60.50 to 447+48.00	LT			87.50								2		
447+48.00 to 447+98.00	LT												1	
TOTALS			1531.30	300.00	306.25	43.75	2	2	3	450.00	4	1	24	7

## EARTHWORK SCHEDULE

LOCATION	SIDE	EARTH EX (CU YD)	EARTH EX ADJ FOR SHRINKAGE (CU YD)	EMBANK (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	PERIMETER EROSION BARRIER (FOOT)	SEEDING CLASS (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH METHOD 2 (ACRE)	TEMP EROSION CONTROL SEEDING (POUND)
OLD US 50												
414+00 TO 415+16	LT			64		100	0.027	2.43	2.43	2.43	0.027	2.7
431+75 TO 433+90	RT			158		215	0.072	6.48	6.48	6.48	0.072	7.2
	LT			102		215	0.06	5.4	5.4	5.4	0.06	6
440+35 TO 441+45	LT			31		75	0.031	2.79	2.79	2.79	0.031	3.1
SALEM PLACE												
0+00 TO 57+10	BOTH	125	94									
60+48 TO 143+00	BOTH	204	153									
TOTAL		329	247	355	-108	605	0.19	17.1	17.1	17.1	0.19	19

## DRAINAGE SCHEDULE

LOCATION	END SECTIONS TO BE REMOVED (EACH)	PIPE CULVERT REMOVAL (FOOT)	PIPE CULVERT CL D, TY 1 SECTION 15" (FOOT)	STEEL END SECTION 15" (EACH)	PRC REINF CONC FLRD END SECT 30" (EACH)	PIPE CULVERTS CL A, TI FLRD END SECT 30" (FOOT)	GRATING FOR CONC CL A, TY 1 FLRD END SECT 30" (EACH)	STORM SEWER CL A, TY 1 EORS, 30" (FOOT)	REMOVE & REINSTALL END SECT (EACH)	
OLD US 50										
414+31 TO 415+16 LT								85	1	
432+80 RT					1	7.5	1			
432+80 LT					1	8.5	1			
440+84 LT					1	5	1			
SALEM PLACE										
142+75 LT	1		2	1						
VENITA										
2+51 LT		16	16							
TOTAL		1	16	18	1	3	21	3	85	1

## ADJUSTMENT SCHEDULE

STATION	EB/WB NB/SB BI-DI	FRAME & GRATE TO BE ADJUSTED (EACH)	MANHOLE FRAMES TO BE ADJUSTED (EACH)	INLET TO BE ADJ WITH NEW TY 4 FRAME & GRATE (EACH)
OLD US 50				
261+36	EB			
263+20	EB			
268+65	WB	1		
268+75	WB	1		
271+95	WB	1		
275+00	WB	1		
278+65	WB			1
281+14	BI-DI		1	
281+80	BI-DI		1	
284+05	EB			
286+74	WB			
290+82	WB			
VENITA				
0+45	SB			
2+10	SB			
TOTALS		4	2	1

## RAISED REFLECTIVE PAVT MARKERS

LOCATION	RPM REMOVAL (EACH)	INSTALLATION			
		ONE - WAY CRYSTAL (EACH)	ONE - WAY AMBER (EACH)	TWO - WAY AMBER (EACH)	
OLD US 50					
OLD US 50	782	233	588	53	
SALEM PLACE	175	12	14	343	
VENITA	5			5	
COLUMN TOTALS		962	245	602	401
TOTALS		962		1248	

## TEMPORARY RAMPS

STATION	RT /	WIDTH (FT)	LENGTH (FT)	AREA (SQ YD)
OLD US 50				
252+17	RT	34	5	18.9
252+17	LT	46	5	25.6
256+56	RT	80	5	44.4
260+83	RT	104	5	57.8
264+49	RT	188	5	104.4
276+88	LT	14	5	7.8
278+46	LT	134	5	74.4
417+82	RT	55	5	30.6
429+00	LT	62	5	34.4
439+99	LT	56	5	31.1
444+77	RT	83	5	46.1
449+81	RT	58	5	32.2
455+40	RT	77	5	42.8
456+57		24	5	13.3
SALEM PLACE				
0+00		55	5	30.6
19+00	LT	72	5	40.0
30+00	LT	88	5	48.9
33+90	LT	55	5	30.6
37+40	LT	55	5	30.6
40+75	LT	55	5	30.6
43+90	LT	60	5	33.3
57+10		20	5	11.1
60+48		20	5	11.1
131+10	LT	66	5	36.7
134+50	LT	52	5	28.9
137+40	LT	46	5	25.6
140+30	LT	44	5	24.4
VENITA				
2+51		23	5	12.8
TOTALS				958.9

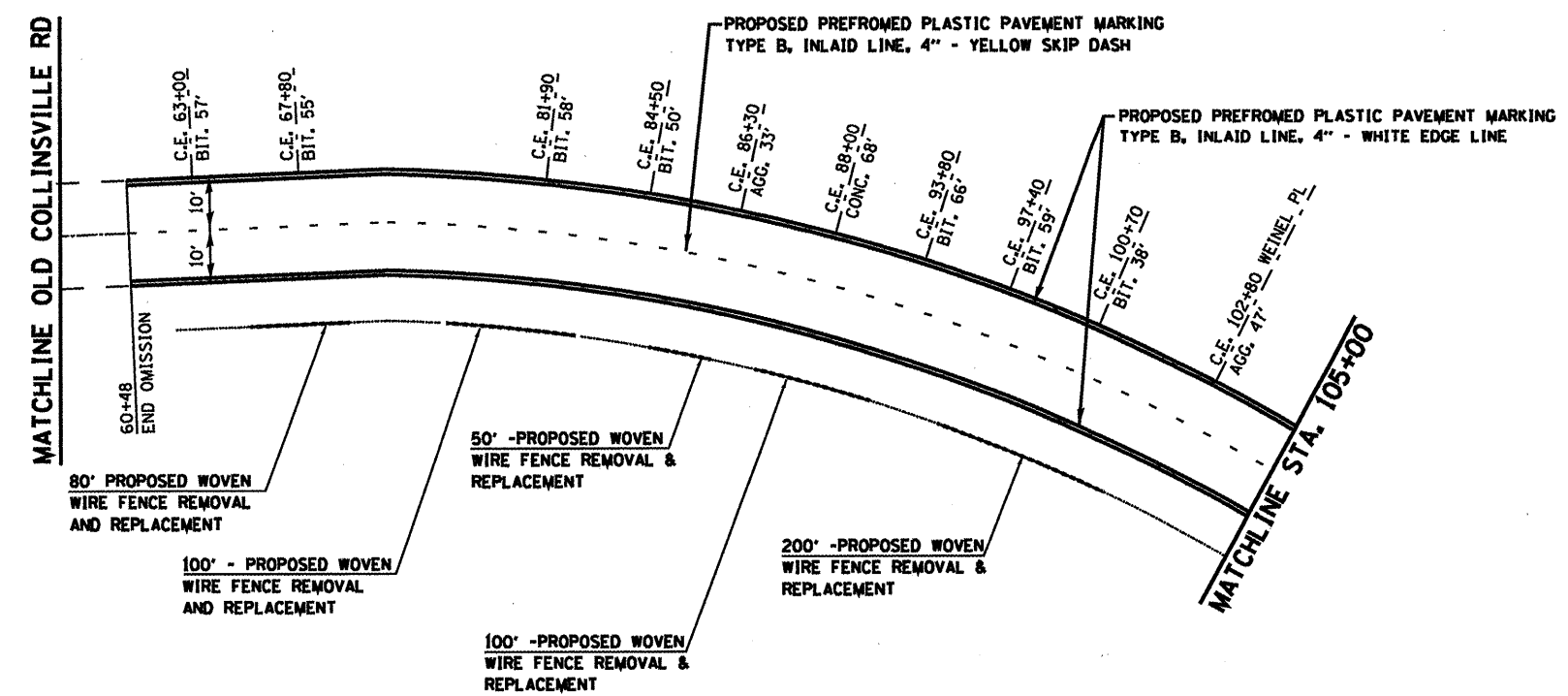
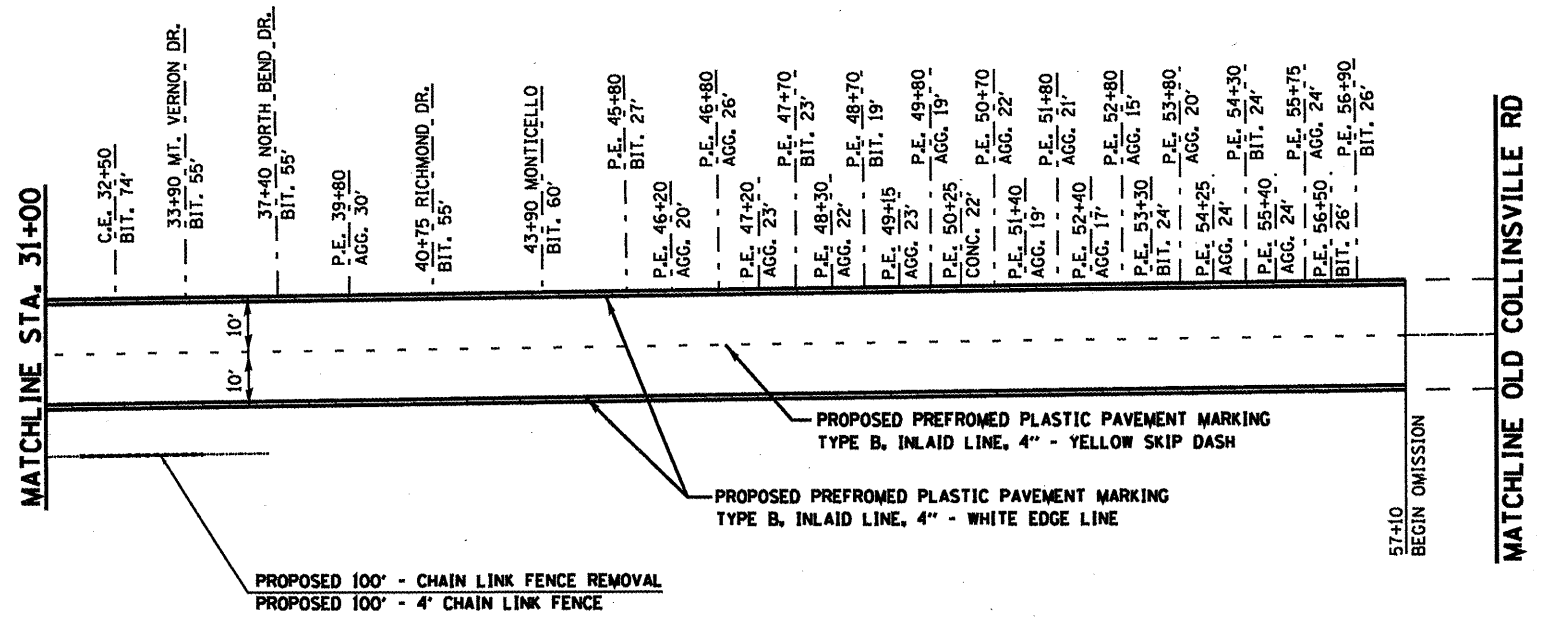
## CONCRETE REPAIR SCHEDULE

STATION	EB/WB	CC&G REMOVAL (FT)	CC&G TYPE B-9.24 (FT)	CC&G TYPE B-6.24 (FT)	MEDIAN SURFACE REMOVAL (SQ FT)	CONCRETE MEDIAN TY SB9.24 (SQ FT)	PAINT PVT MARKING RAISED MEDIAN (SQ FT)	PRISMATIC CURB REFL 2' c-c (EACH)
OLD US 50								
253+27	EB	6	6					
255+07	WB	5	5					
262+87	EB	12	12		40	46.5	46.5	12
264+17		15.7						
265+67	EB	12	12					
266+57	WB	13	13					
267+61		28.3			16.1	27.9	27.9	10
278+84		9.4			28.3	32.2	32.2	10
309+07	EB	62.5		62.5				
363+78	EB	25		25				
363+78	WB	29		29				
364+98	WB	5		5				
TOTAL		223	48	122	84.4	106.6	106.6	32

FILE NAME *	USER NAME * alfordb	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
al\pe_work\p\dot\alfordb\08174224\0876	69-ahc-plendgn	DRAWN - TRF	REVISED -			32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	16	
	PLOT SCALE = 1/8" = 1' IN.	CHECKED -	REVISED -			CONTRACT NO. 76069				
	PLOT DATE = 3/2/2010	DATE -	REVISED -			SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

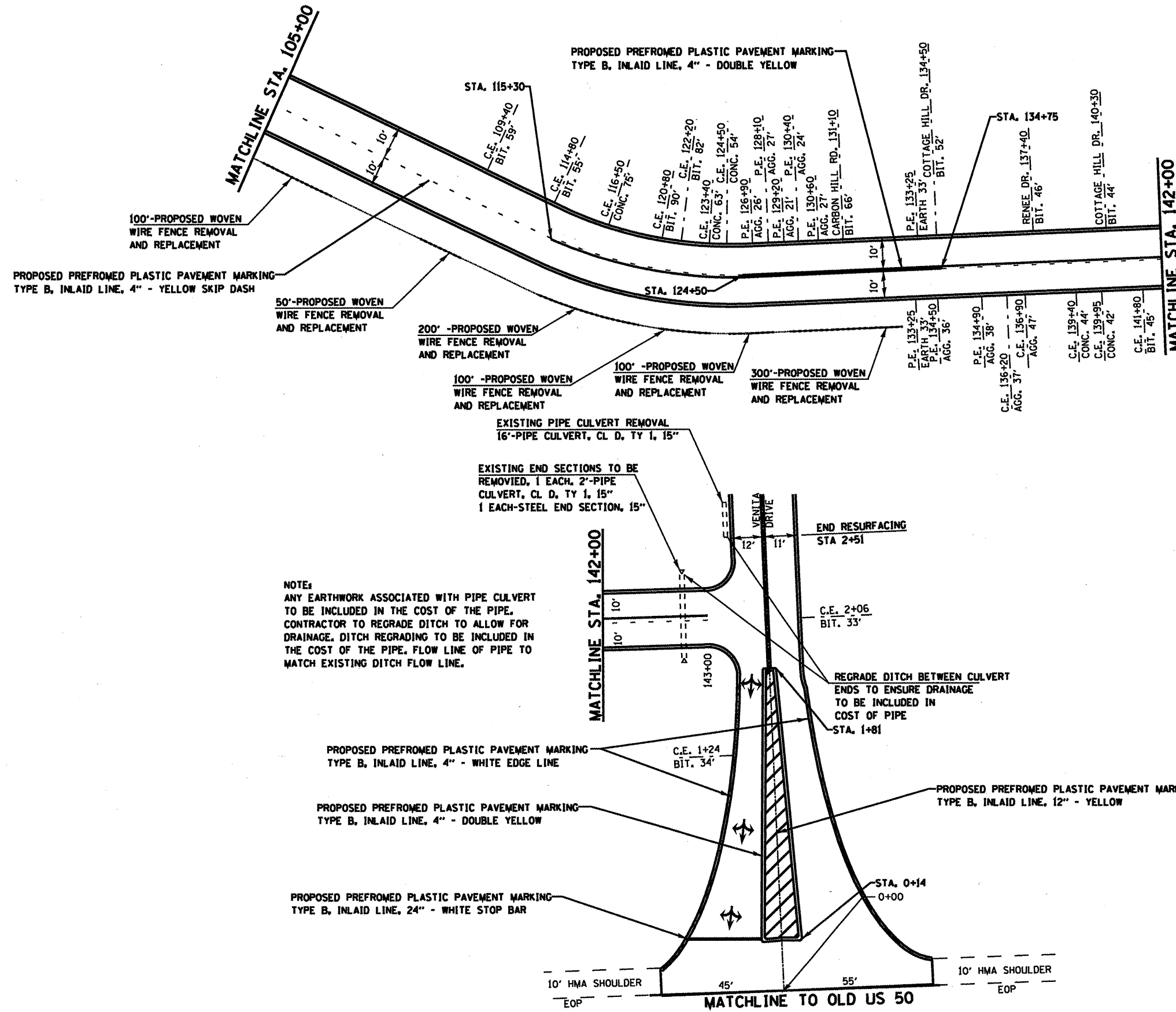






NOT TO SCALE

FILE NAME *	USER NAME * eifordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING / PLAN SHEET - SALEM PLACE DRIVE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -		SCALE: NONE	SHEET NO. OF SHEETS	CONTRACT NO. 76069				
		DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
		PLOT SCALE = 1/8" = 100'									
		PLOT DATE = 3/2/2010									



NOTE:  
 ANY EARTHWORK ASSOCIATED WITH PIPE CULVERT TO BE INCLUDED IN THE COST OF THE PIPE. CONTRACTOR TO REGRADE DITCH TO ALLOW FOR DRAINAGE. DITCH REGRADING TO BE INCLUDED IN THE COST OF THE PIPE. FLOW LINE OF PIPE TO MATCH EXISTING DITCH FLOW LINE.

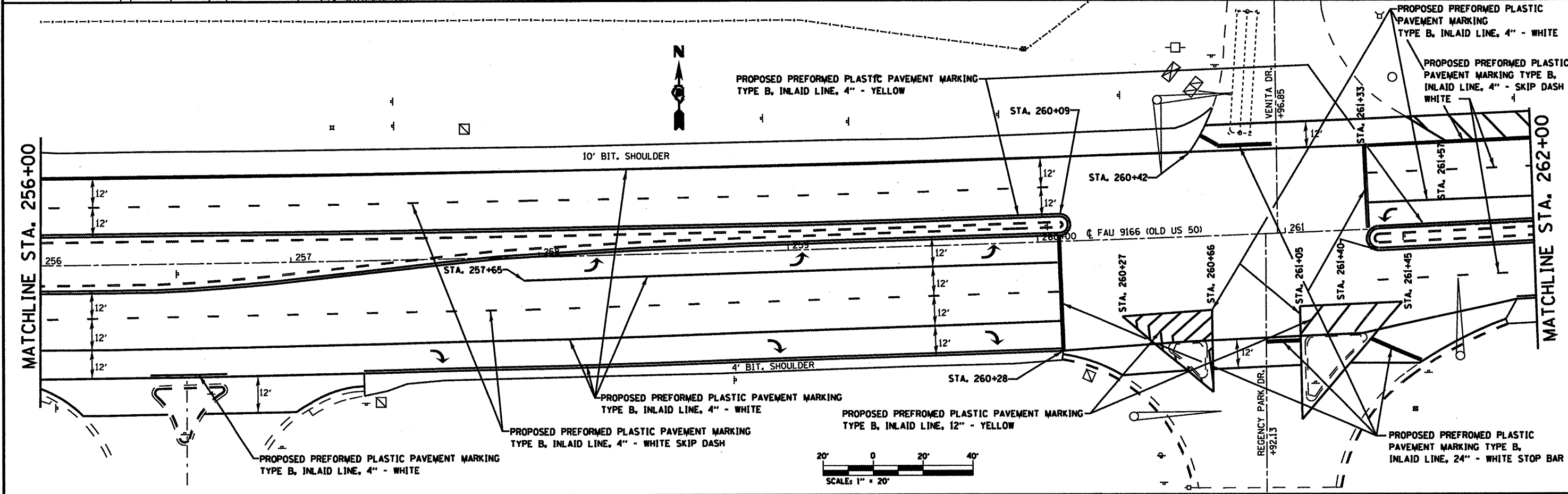
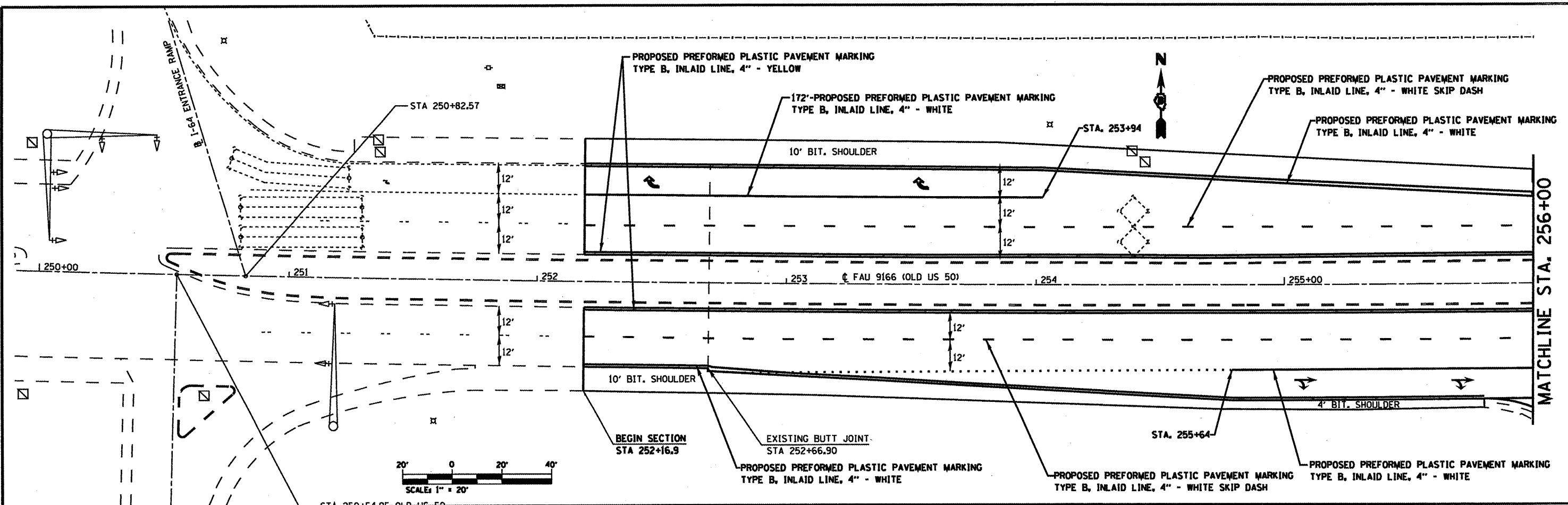
NOT TO SCALE

FILE NAME *	USER NAME * alfords	DESIGNED -	REVISED -
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PLOT DATE * 3/2/2010		DATE -	REVISED -

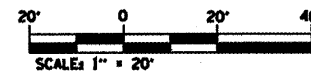
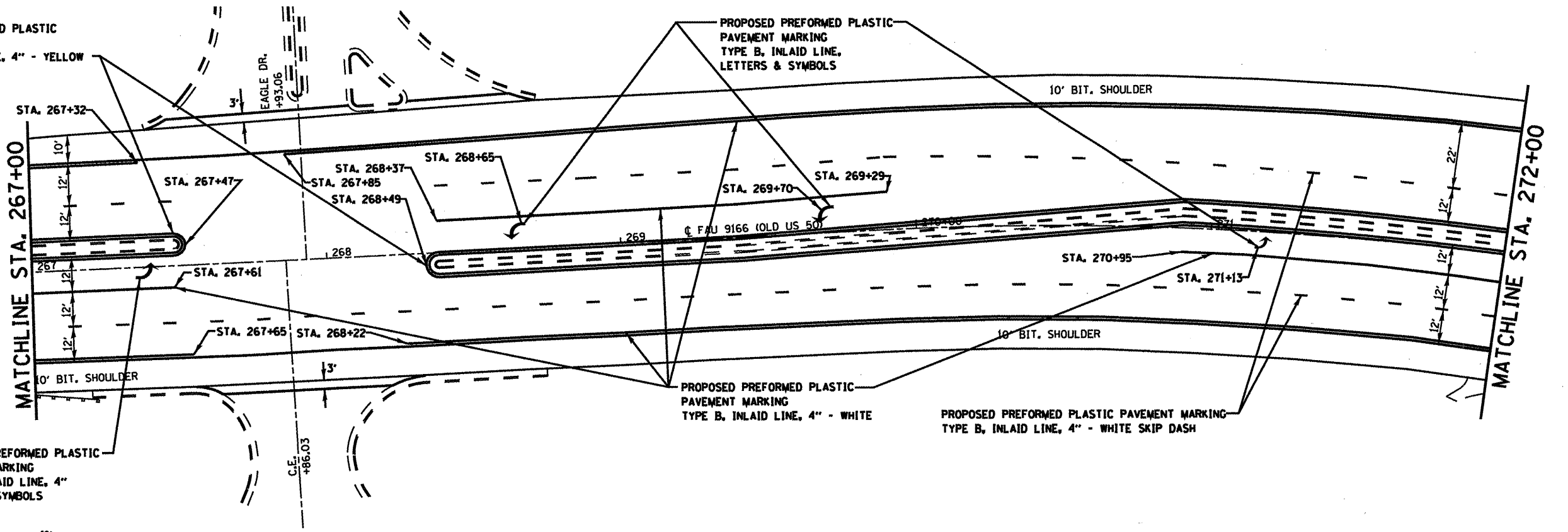
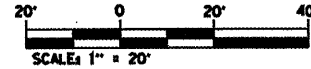
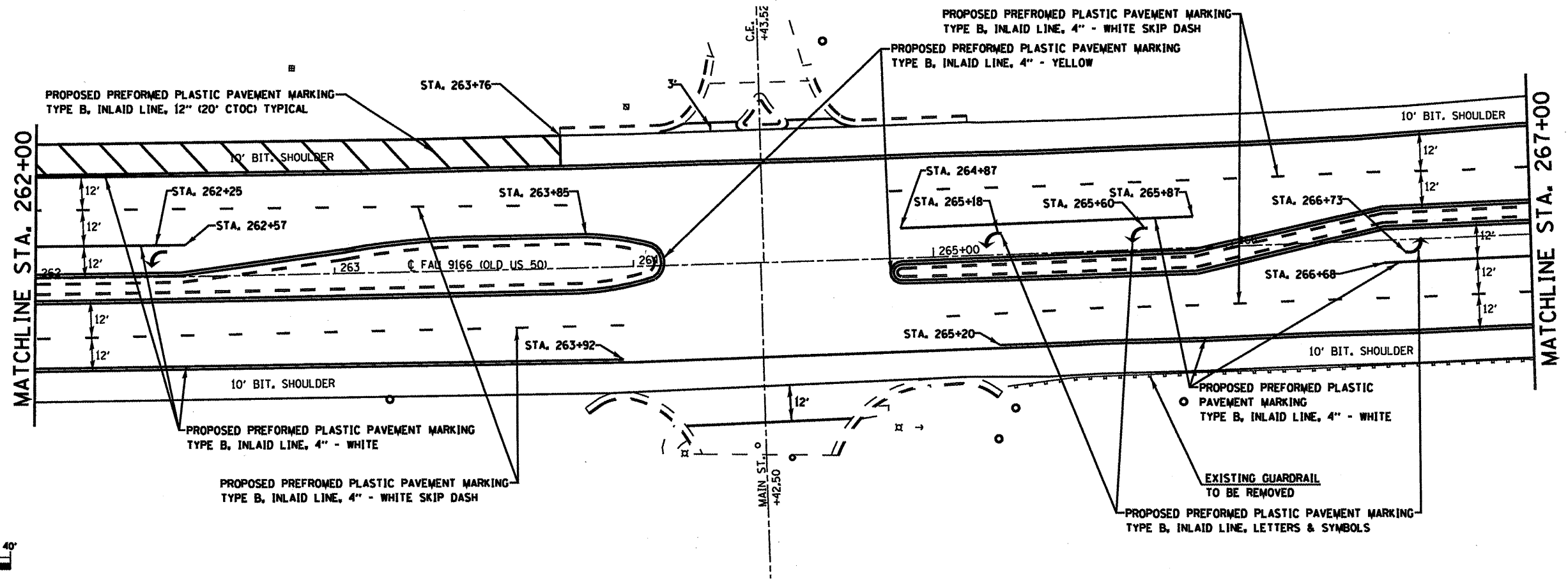
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING / PLAN SHEET  
 SALEM PLACE DRIVE & VENITA DRIVE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3, 3IRS-3, IRS-1		ST. CLAIR	56	19
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FILE NAME =	USER NAME = eifordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING / PLAN SHEET OLD US 50	F.A.J.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pavdos\elfordb\08174224\0876169-shit-plan.dgn	DRAWN - TRF	REVISED -	REVISED -			32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	20	
PLOT SCALE = 40.0000 "/> <td>CHECKED -</td> <td>REVISED -</td> <td>REVISED -</td> <td colspan="2" style="text-align: center;">CONTRACT NO. 76069</td>	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 76069				
PLOT DATE = 3/2/2010	DATE -	REVISED -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



FILE NAME :  
 USER NAME : a1fordb  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 PLOT DATE : 3/2/2010

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE

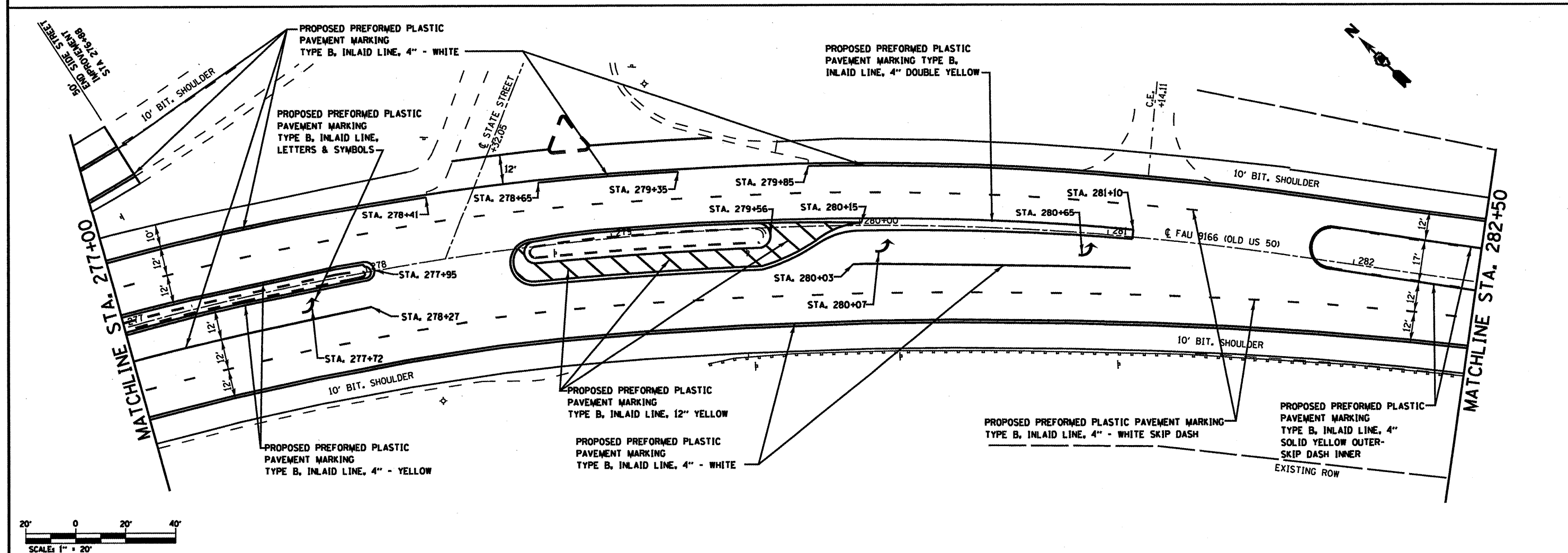
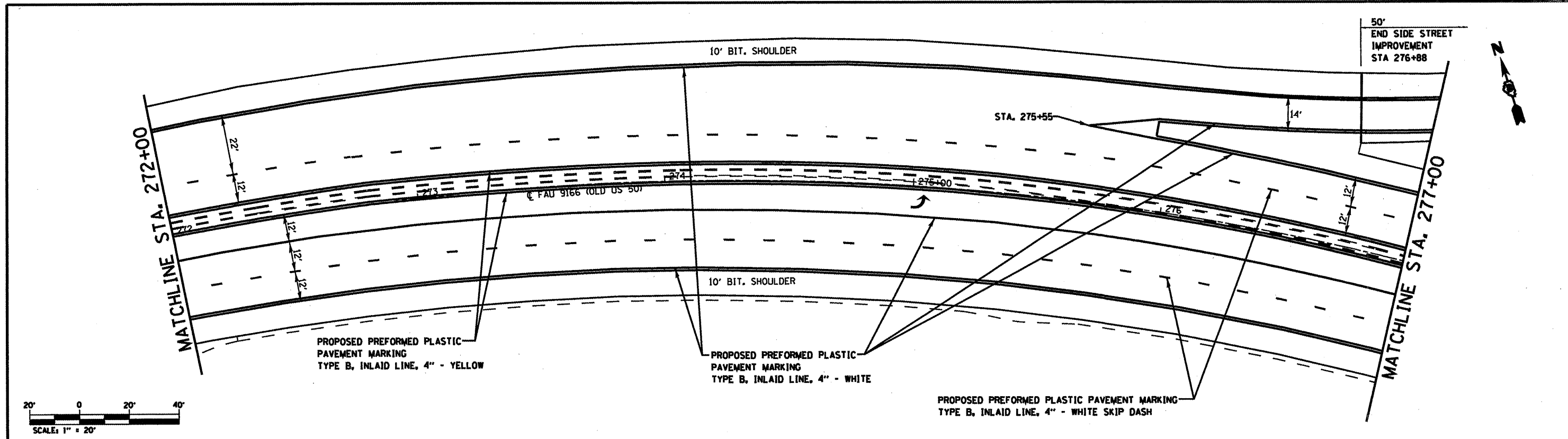
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING / PLAN SHEET OLD US 50  
 SCALE: NONE SHEET NO. OF SHEETS

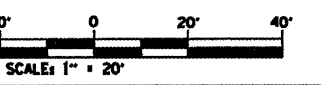
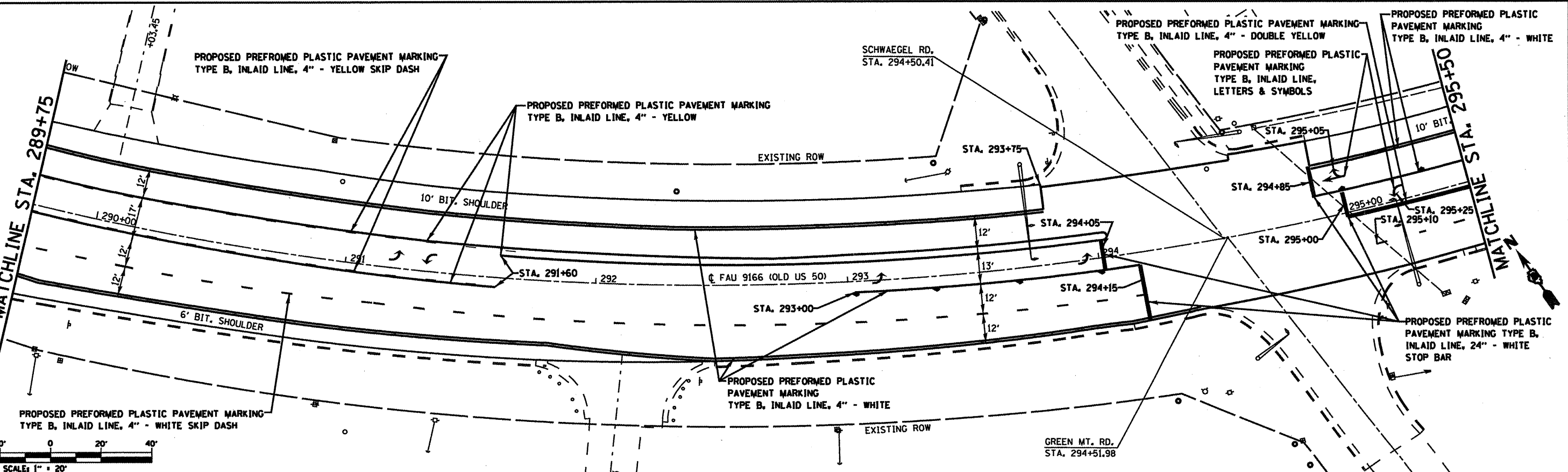
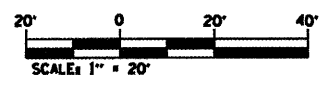
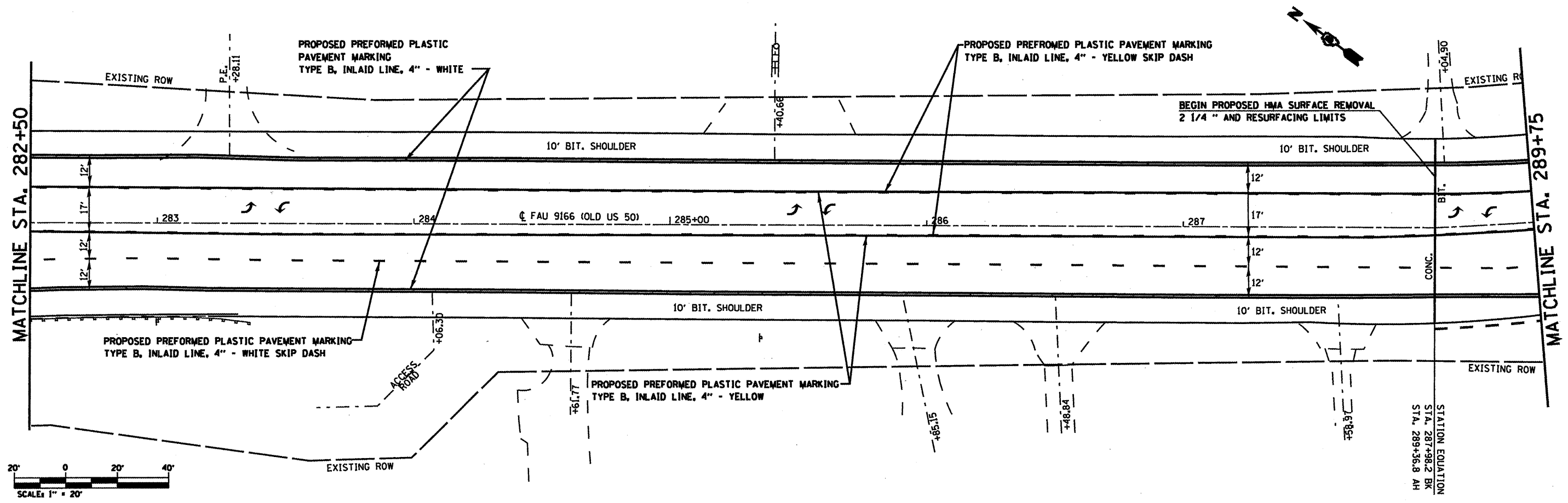
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3	31RS-3, 1RS-1	ST. CLAIR	56	21
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 76069

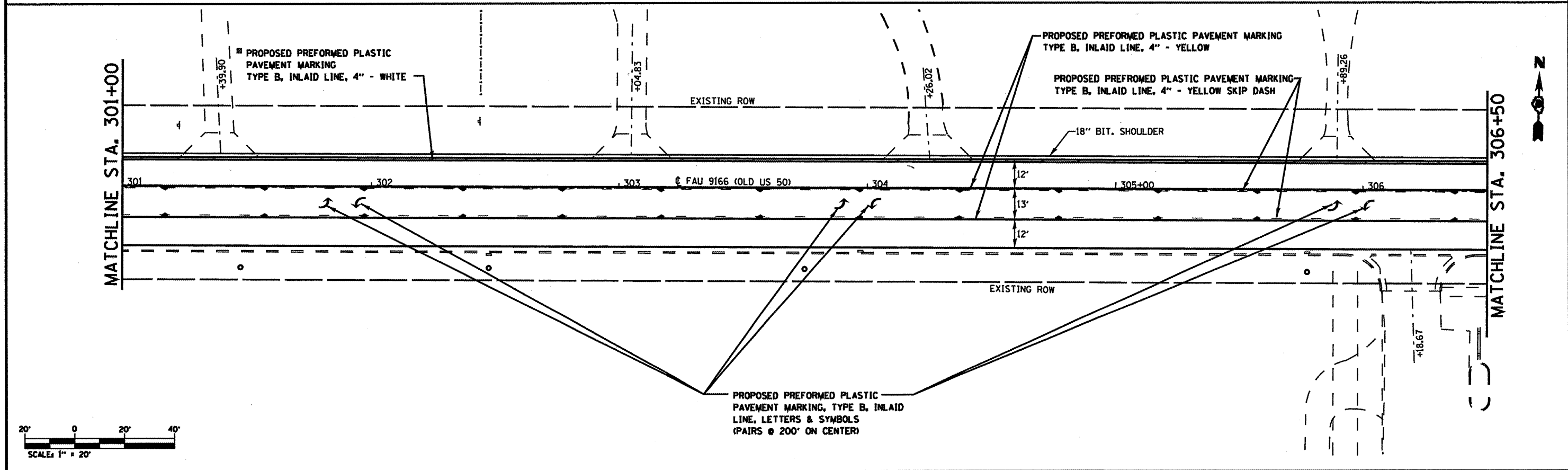
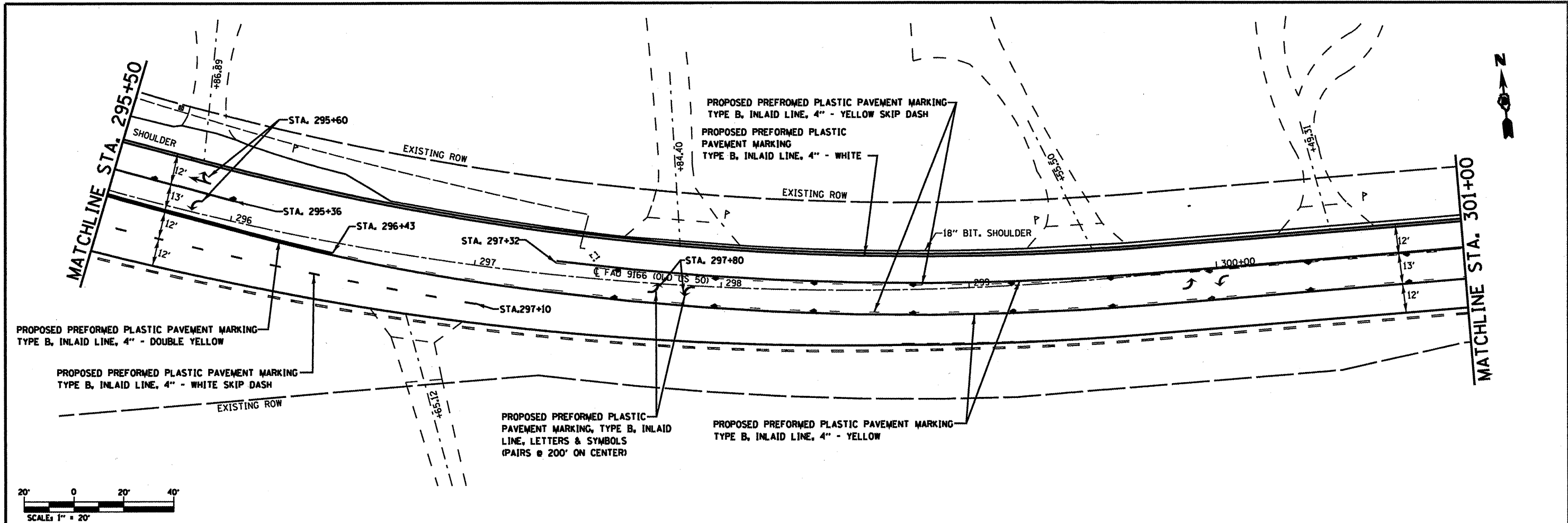


FILE NAME :	USER NAME : allford	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING / PLAN SHEET OLD US 50	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwrk\pvidot\allford\08174224\087659-shs-plan.dgn	PLOT SCALE : 48,8888 / IN.	DRAWN -	REVISED -			32RS-3, 3JRS-3, 1RS-1	ST. CLAIR	56	22	
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		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

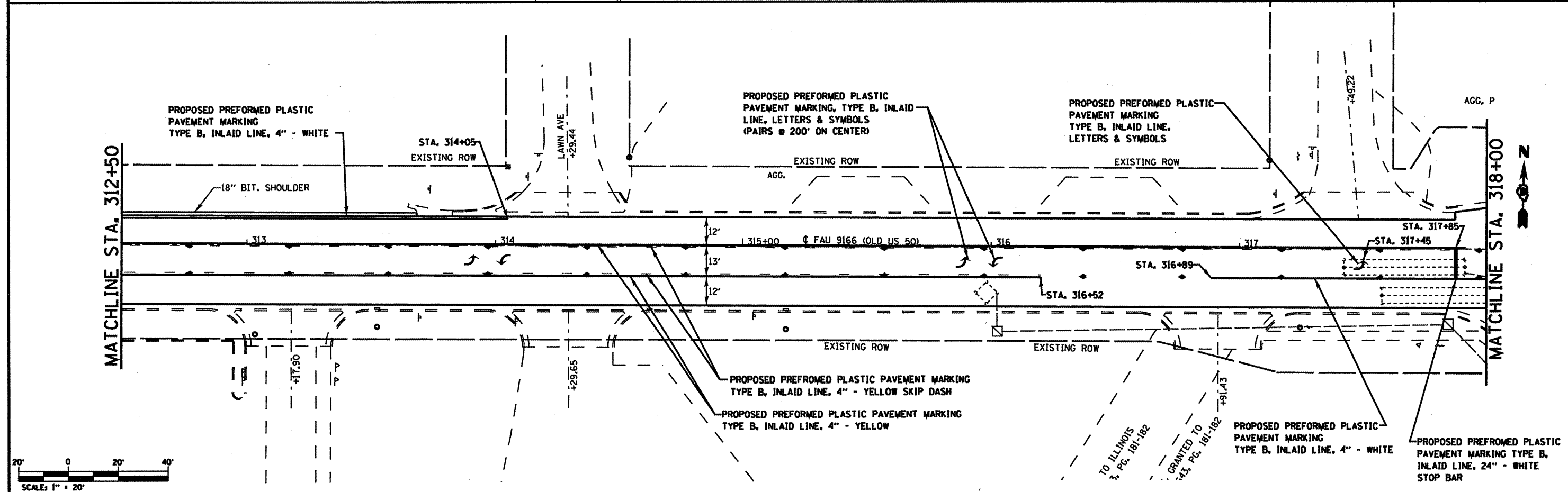
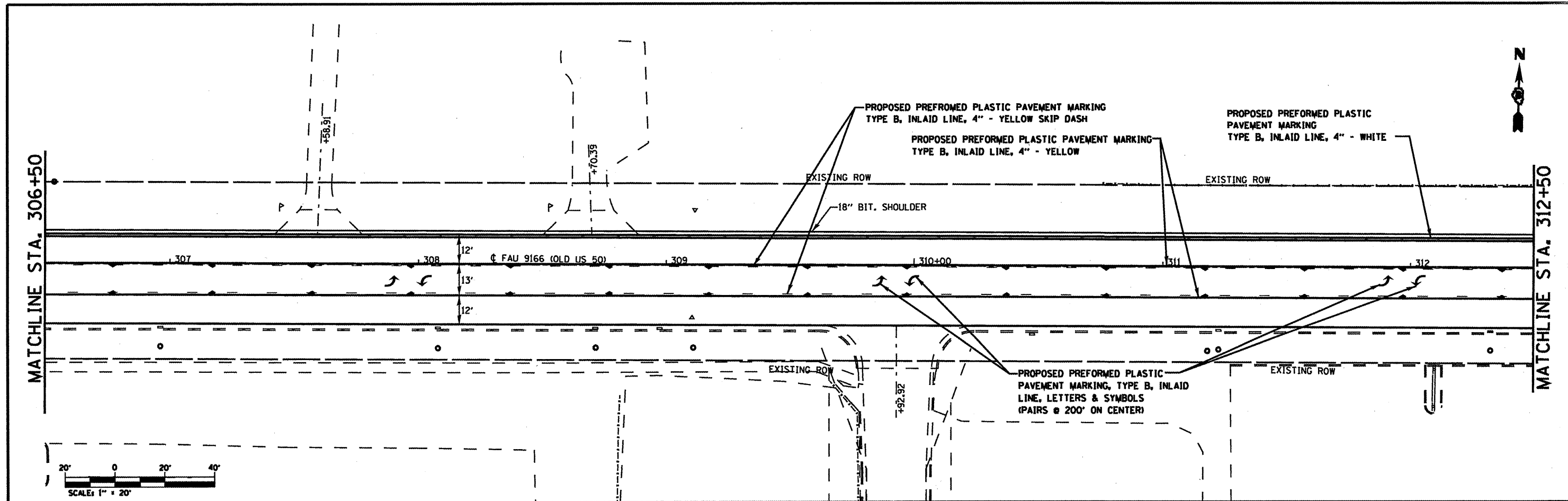




FILE NAME =	USER NAME = ofordb	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING / PLAN SHEET OLD US 50</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pavdot\ofordb\0174224\087609-shr-plan.dgn		DRAWN -	REVISED -			32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	23	
PLOT SCALE = 1/8" = 1'		CHECKED -	REVISED -			CONTRACT NO. 76D69				
PLOT DATE = 3/2/2010		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = alford	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING / PLAN SHEET OLD US 50	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
al\p\work\p\dot\alford\8174224\d876	89-shr-plon.dgn	DRAWN -	REVISED -			32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	24	
PLOT SCALE = 48,0000' / IN.	CHECKED -	REVISED -	SCALE: NONE			SHEET NO. OF SHEETS	CONTRACT NO. 76069			
PLOT DATE = 3/2/2010	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				



FILE NAME :	USER NAME : eilfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING / PLAN SHEET OLD US 50	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
20\work\p1dot\allfordb\08174224\087659-sht-plan.dgn	PLT SCALE : 40.0000 ' / IN.	DRAWN -	REVISED -			0334/0000	32R5-3, 31RS-3, 1RS-1	ST. CLAIR	56	25	
	PLT DATE : 3/2/2010	CHECKED -	REVISED -			SCALE: NONE	SHEET NO. OF SHEETS	CONTRACT NO. 76069			
		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

PROPOSED PREFORMED PLASTIC PAVEMENT MARKING TYPE B, INLAID LINE, 24" - WHITE STOP BAR

PARKING LOT

FIRE HOUSE  
HMA PARKING LOT

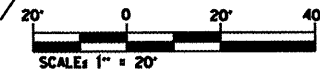
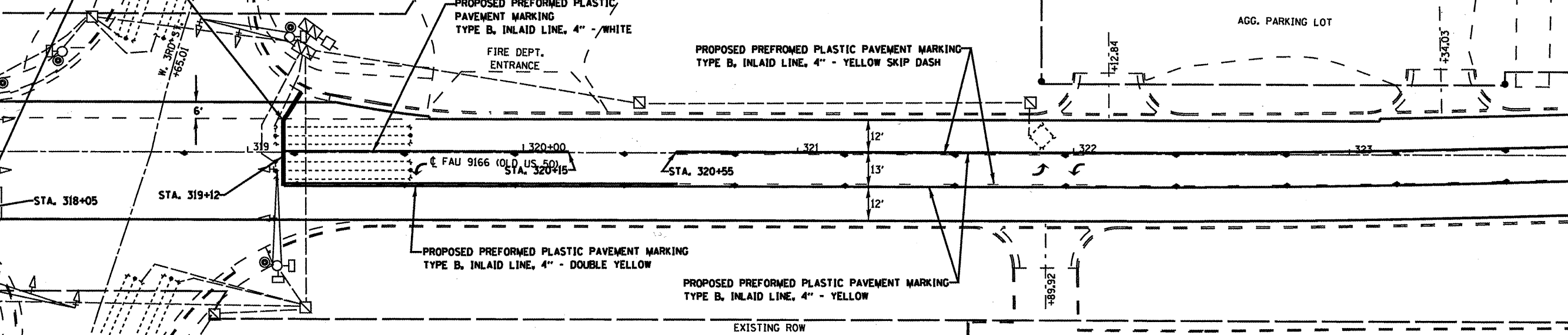
PROPOSED PREFORMED PLASTIC PAVEMENT MARKING TYPE B, INLAID LINE, 4" - WHITE  
FIRE DEPT. ENTRANCE

PROPOSED PREFORMED PLASTIC PAVEMENT MARKING TYPE B, INLAID LINE, 4" - YELLOW SKIP DASH

AGG. PARKING LOT

MATCHLINE STA. 318+00

MATCHLINE STA. 324+00



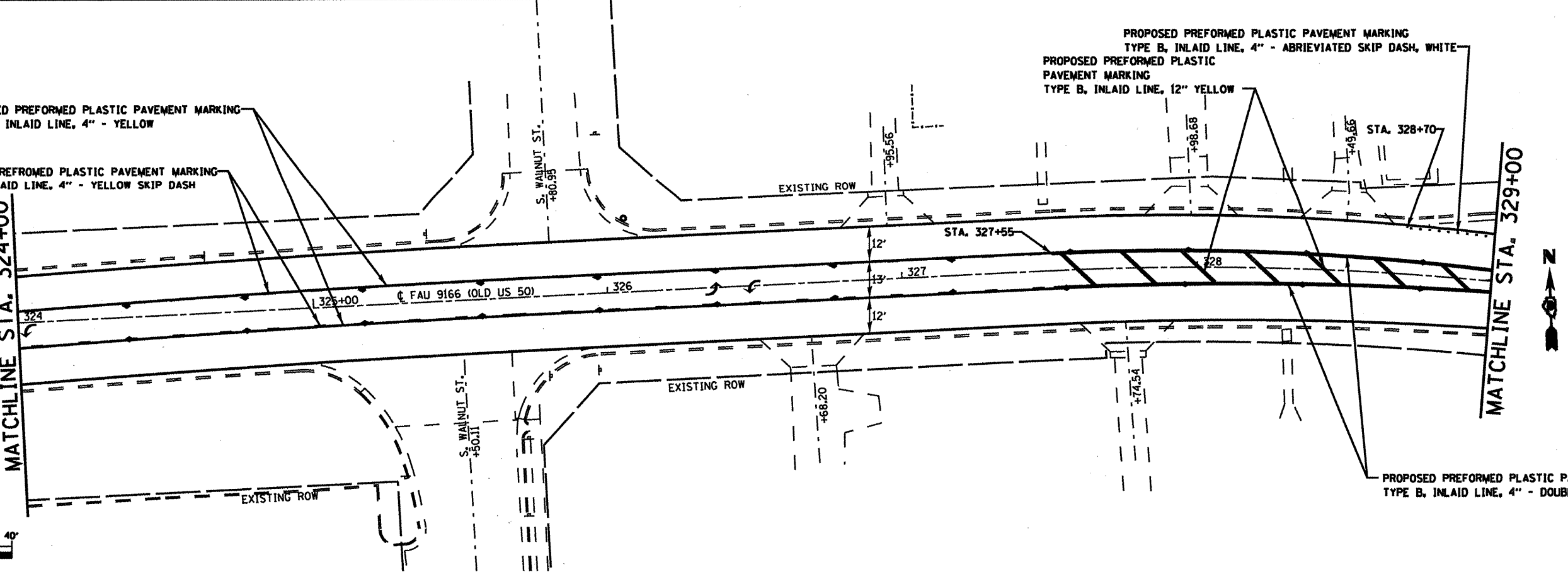
PROPOSED PREFORMED PLASTIC PAVEMENT MARKING TYPE B, INLAID LINE, 4" - YELLOW

PROPOSED PREFORMED PLASTIC PAVEMENT MARKING TYPE B, INLAID LINE, 4" - YELLOW SKIP DASH

PROPOSED PREFORMED PLASTIC PAVEMENT MARKING TYPE B, INLAID LINE, 4" - ABBREVIATED SKIP DASH, WHITE  
PROPOSED PREFORMED PLASTIC PAVEMENT MARKING TYPE B, INLAID LINE, 12" YELLOW

MATCHLINE STA. 324+00

MATCHLINE STA. 329+00



FILE NAME =	USER NAME = alfordb	DESIGNED -	REVISED -
ca:\pwork\pedit\alfordb\174224\0876\07-shr-plan\dgn		DRAWN -	REVISED -
	PLOT SCALE = 48,0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/2/2018	DATE -	REVISED -

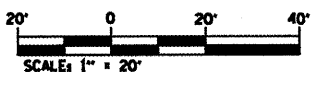
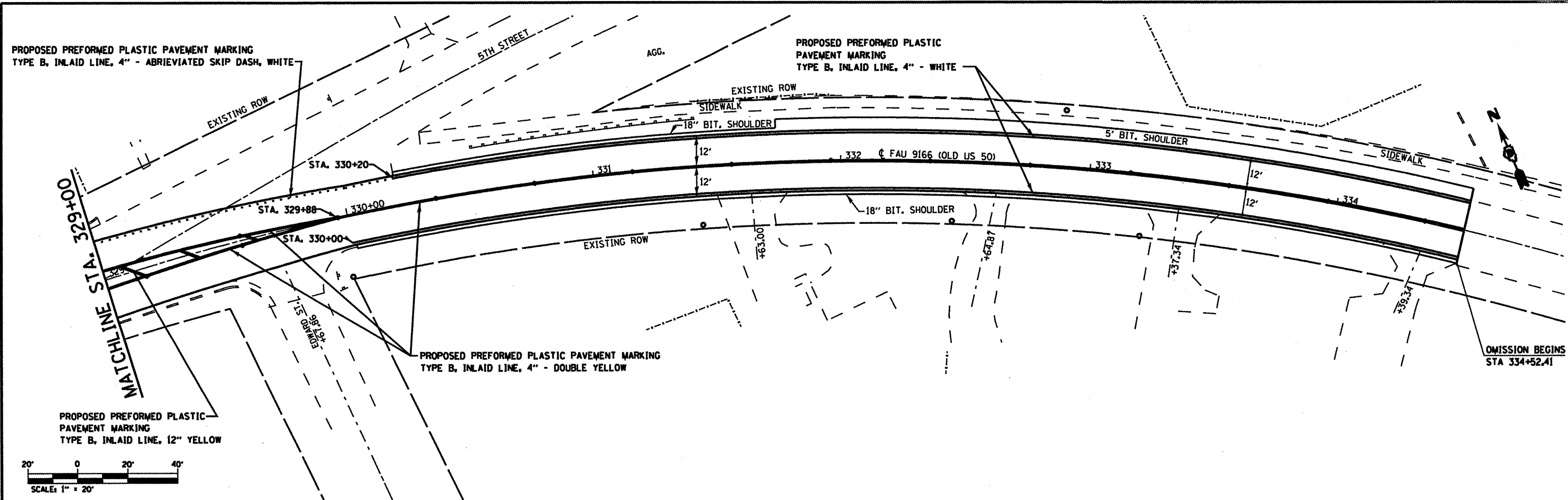
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING / PLAN SHEET OLD US 50  
SCALE: NONE SHEET NO. OF SHEETS

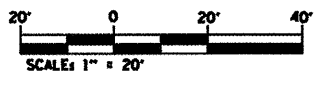
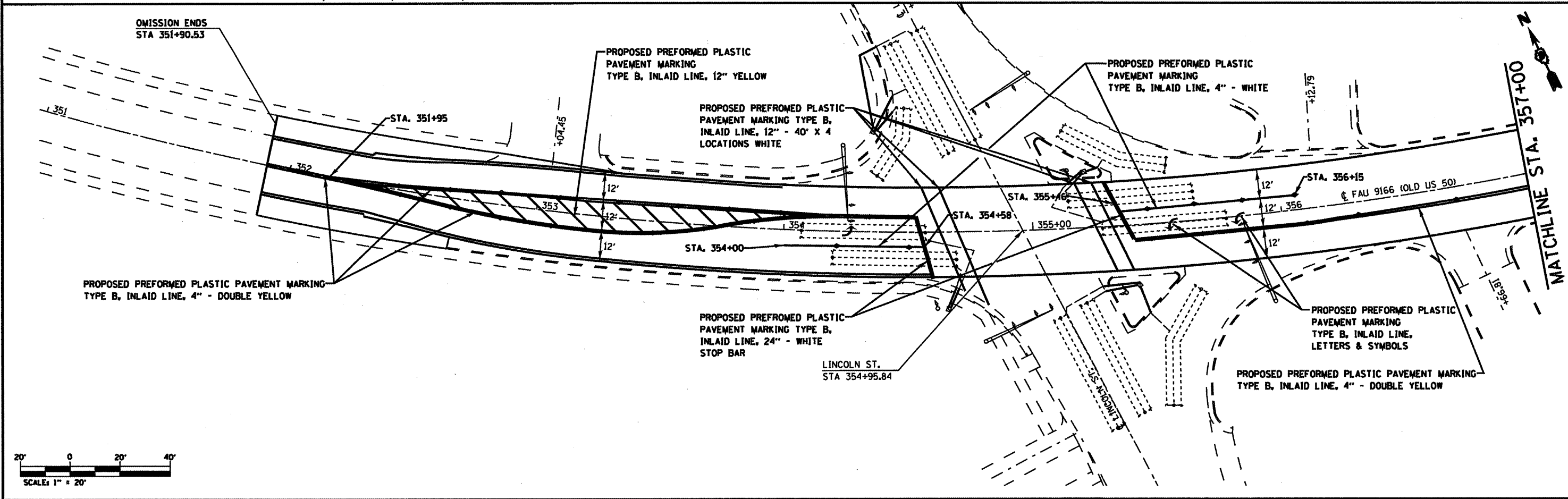
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328/300	32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	26
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PROPOSED PREFORMED PLASTIC PAVEMENT MARKING  
TYPE B, INLAID LINE, 4" - ABRIEVIATED SKIP DASH, WHITE

PROPOSED PREFORMED PLASTIC PAVEMENT MARKING  
TYPE B, INLAID LINE, 4" - WHITE



OMISSION ENDS  
STA 351+90.53



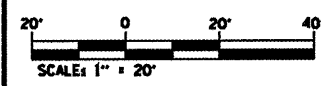
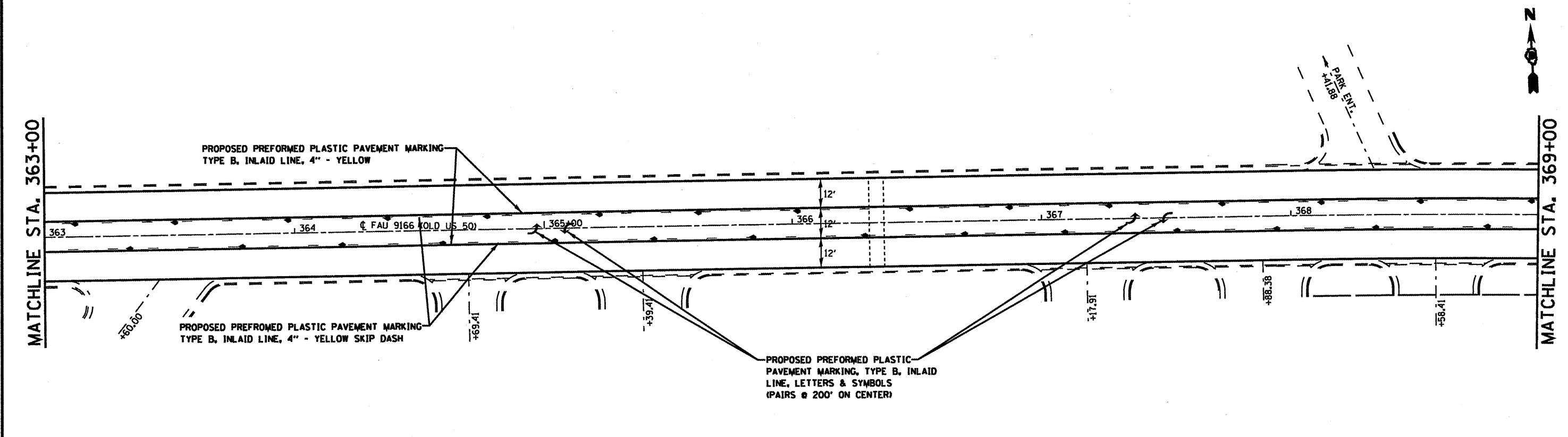
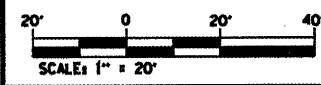
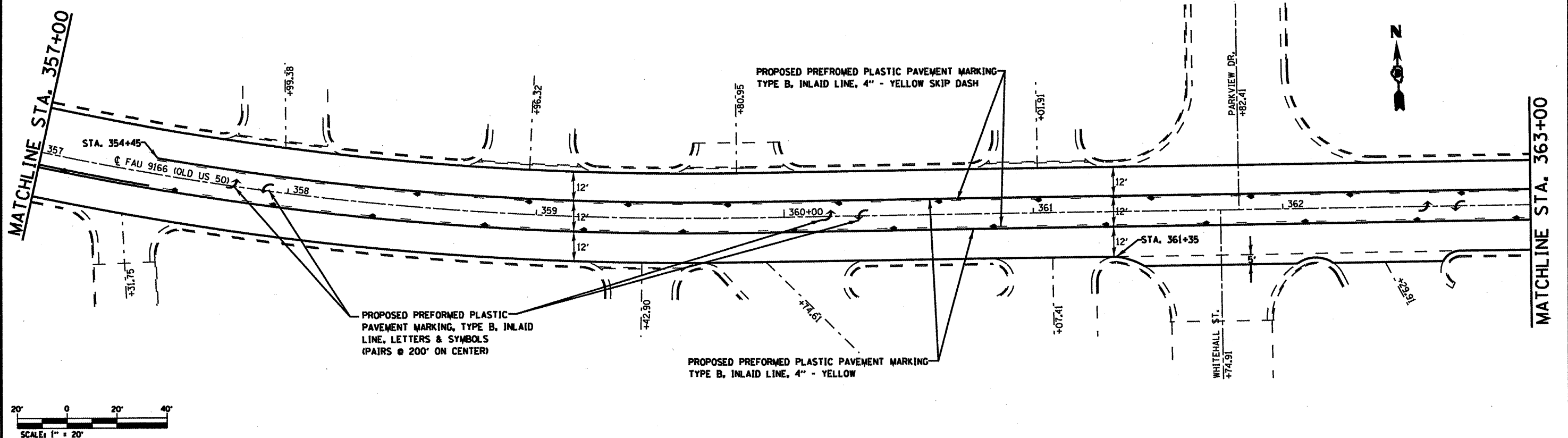
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PLOT SCALE * 40,0000 ' / IN.		CHECKED -	REVISED -
PLOT DATE * 3/2/2010		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING / PLAN SHEET OLD US 50

SCALE: NONE SHEET NO. OF SHEETS

F.A.J.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3, 31RS-3, IRS-1	ST. CLAIR	56	27	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. T6069	



FILE NAME =	USER NAME = alfordb	DESIGNED -	REVISED -
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	PLOT DATE = 3/2/2010	DATE -	REVISED -

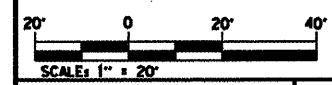
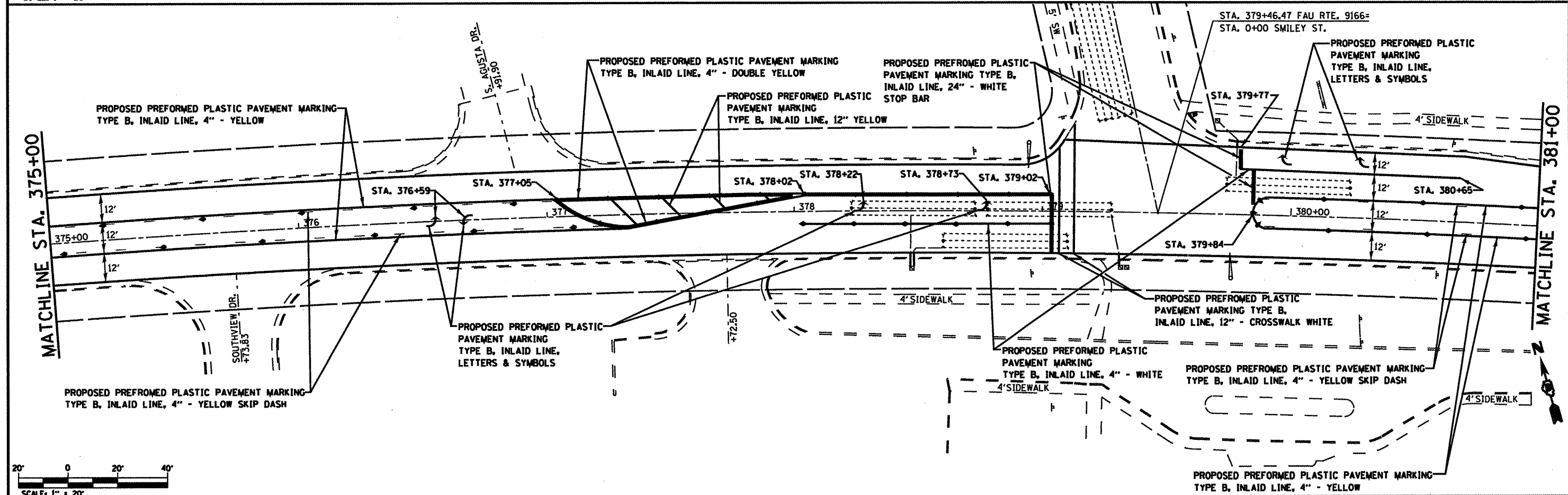
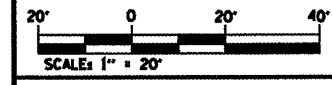
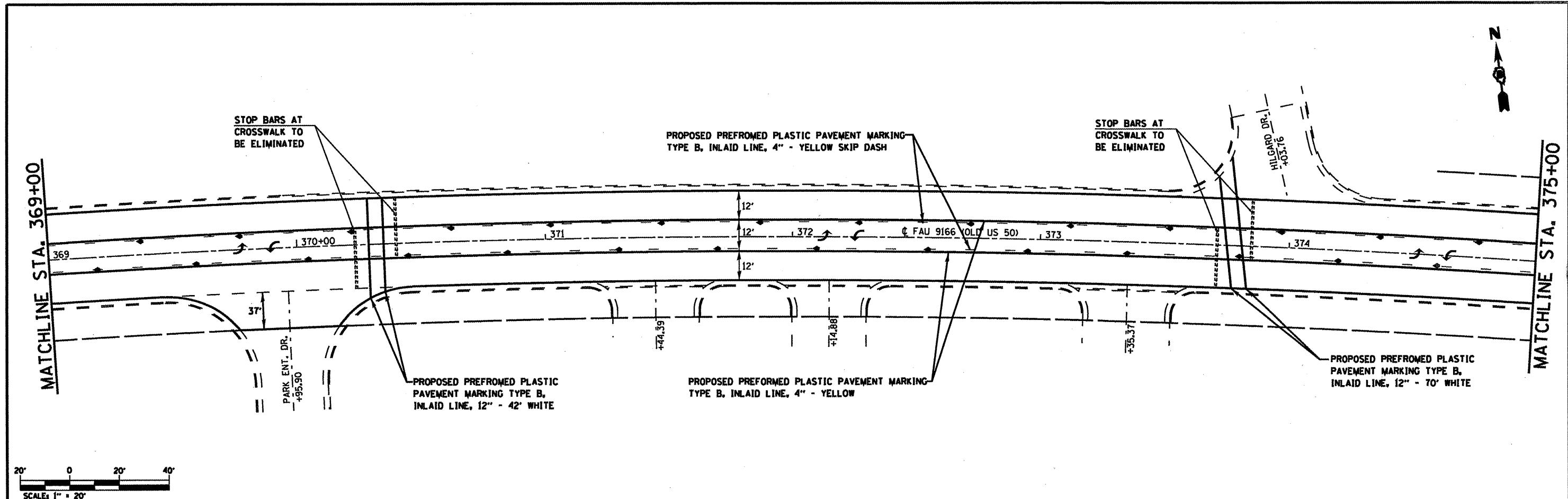
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING / PLAN SHEET OLD US 50**

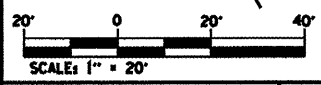
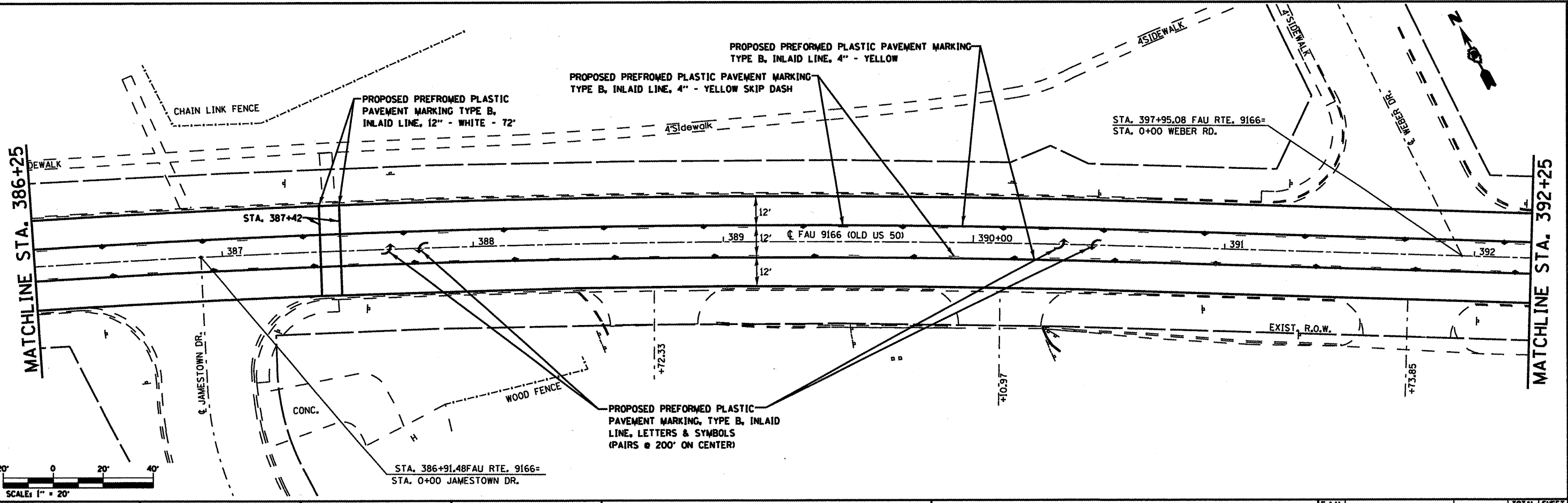
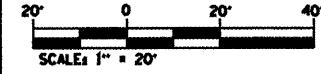
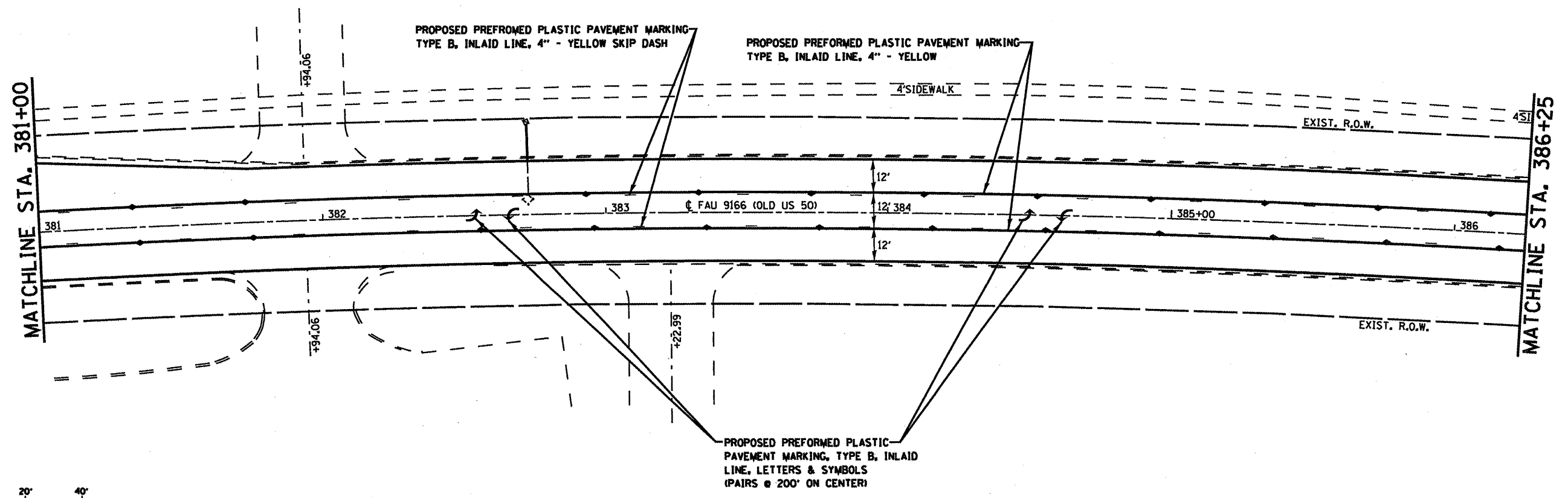
SCALE: NONE    SHEET NO. OF SHEETS

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3, 3IRS-3, IRS-1		ST. CLAIR	56	28
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76069		





FILE NAME	USER NAME = alford	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING / PLAN SHEET OLD US 50	FAUJ RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
al\pwork\pavdot\alford\08174224\0878	09-shr-plan.dgn	DRAWN -	REVISED -			32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	29	
	PLOT SCALE = 48,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 76069				
	PLOT DATE = 3/2/2010	DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



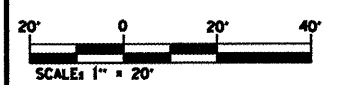
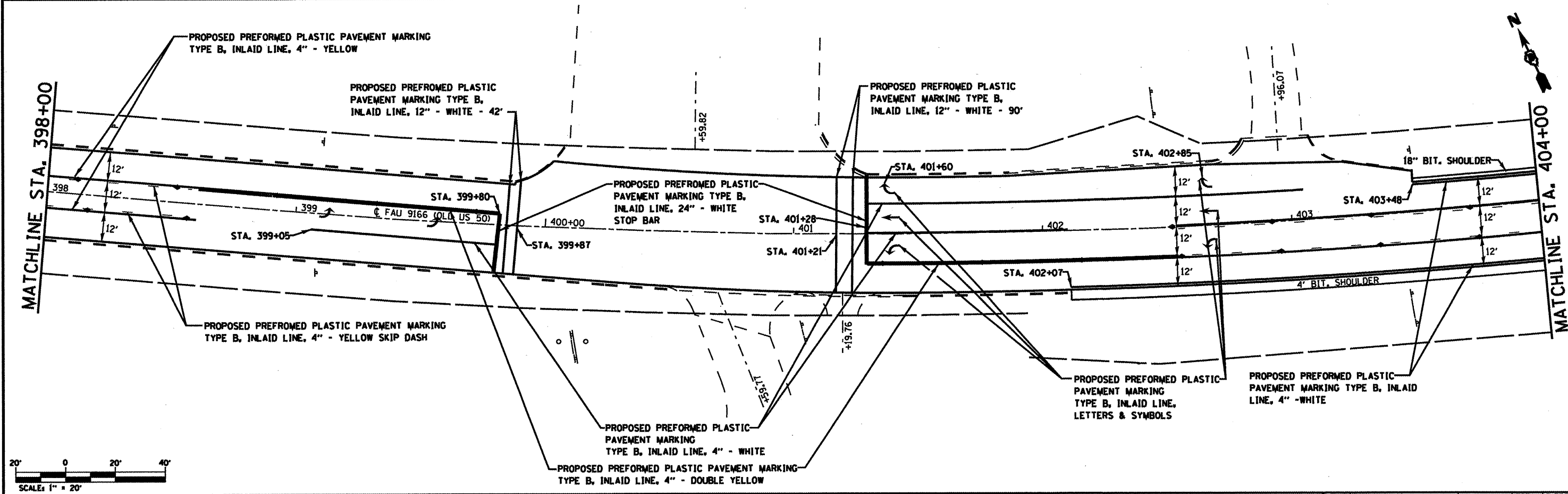
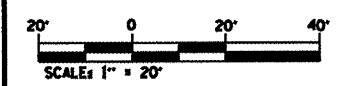
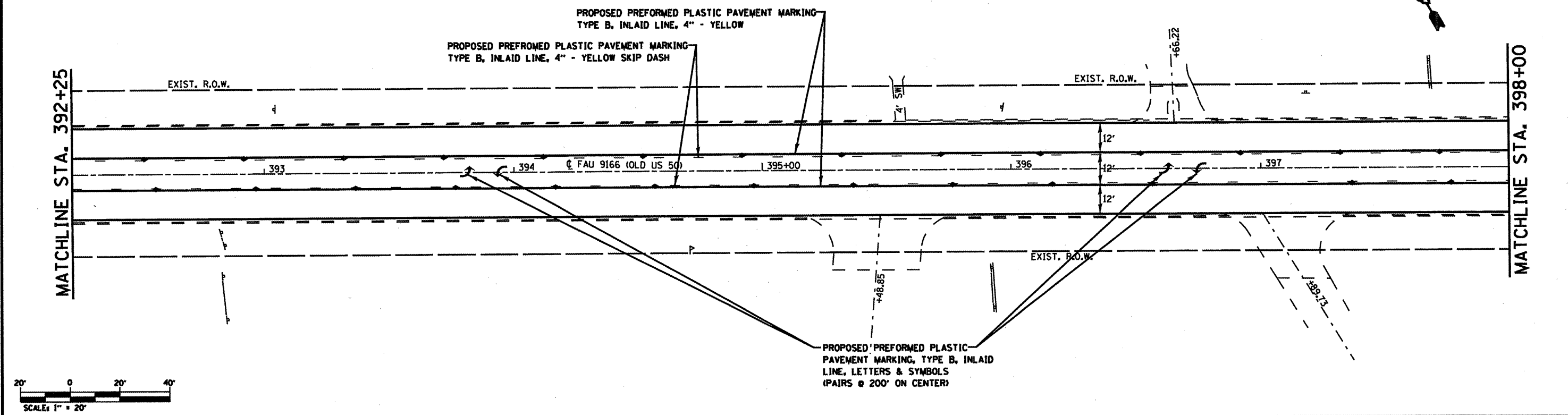
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PLOT DATE = 3/2/2010		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING / PLAN SHEET OLD US 50**

SCALE: NONE      SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3, 31RS-3, 1RS-1		ST. CLAIR	56	30
CONTRACT NO. 76069				
FED. ROAD DIST. NO.      ILLINOIS FED. AID PROJECT				



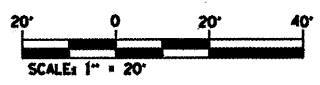
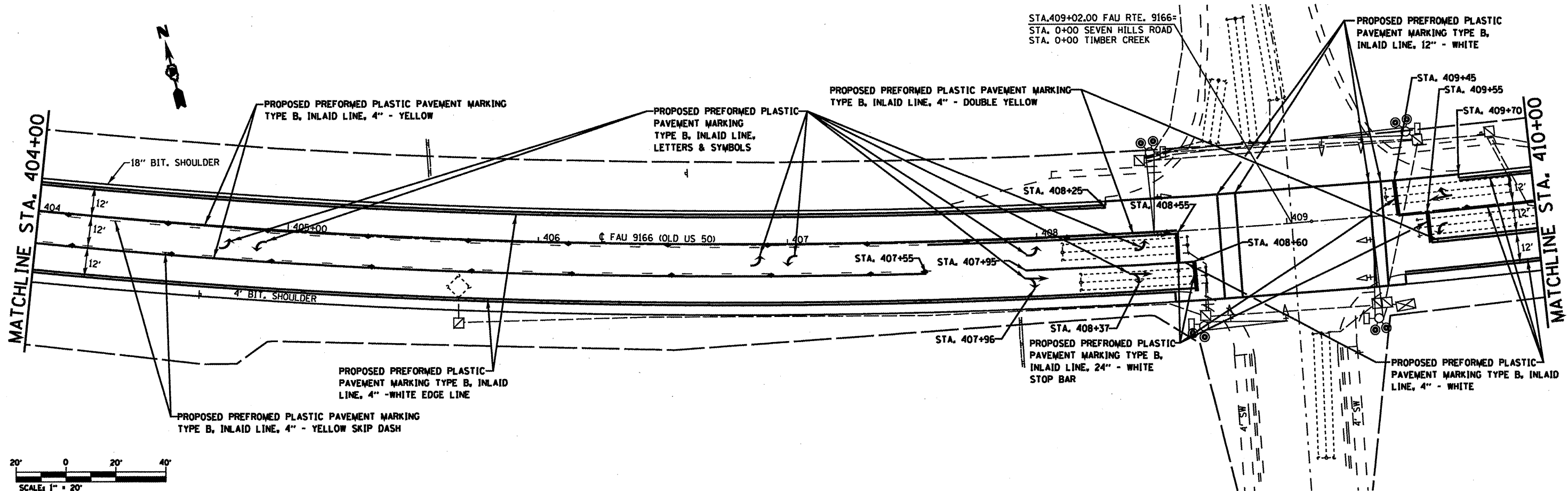
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PLOT SCALE = 48.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/2/2010		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING / PLAN SHEET OLD US 50**

SCALE: NONE      SHEET NO.      OF      SHEETS

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3	32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	31
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76069		



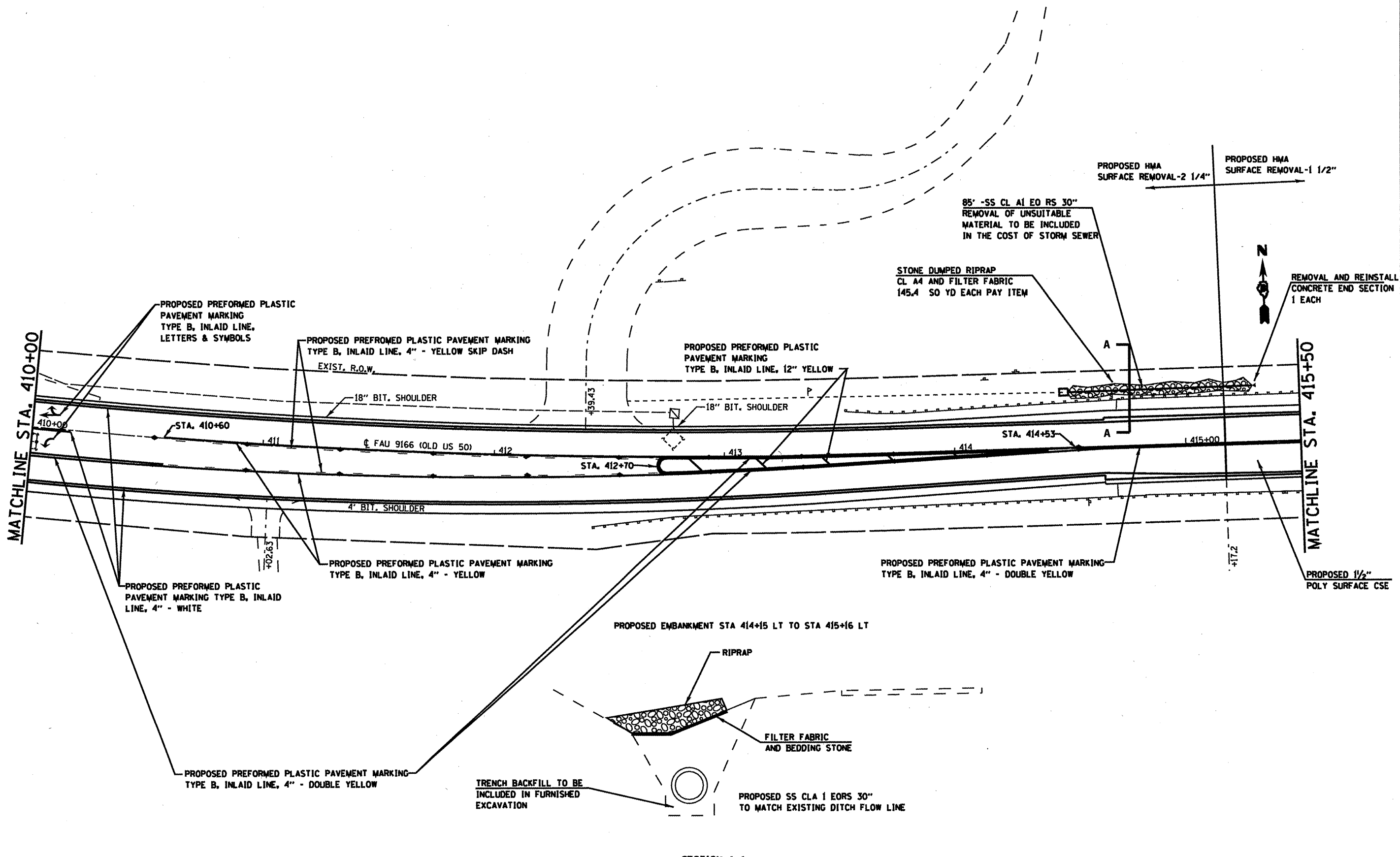
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	PLT DATE = 3/2/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

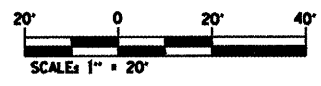
**PAVEMENT MARKING / PLAN SHEET OLD US 50**

SCALE: NONE    SHEET NO. OF SHEETS

FAJ RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9331-9966	32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76069	



SECTION A-A



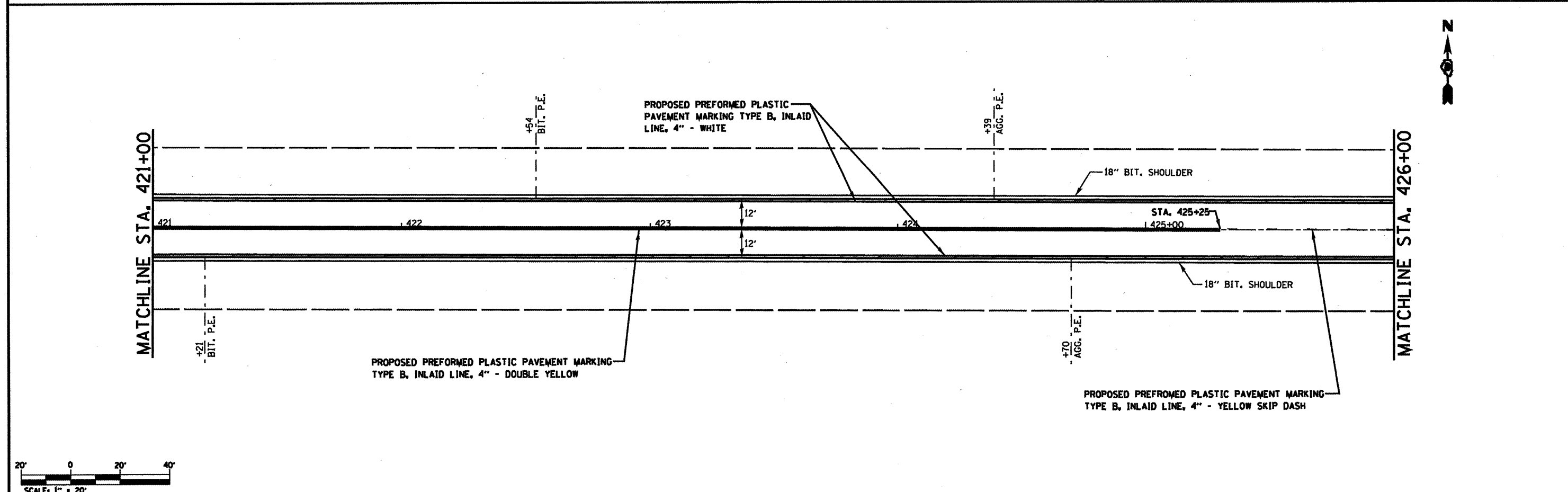
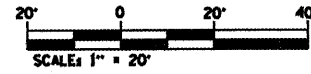
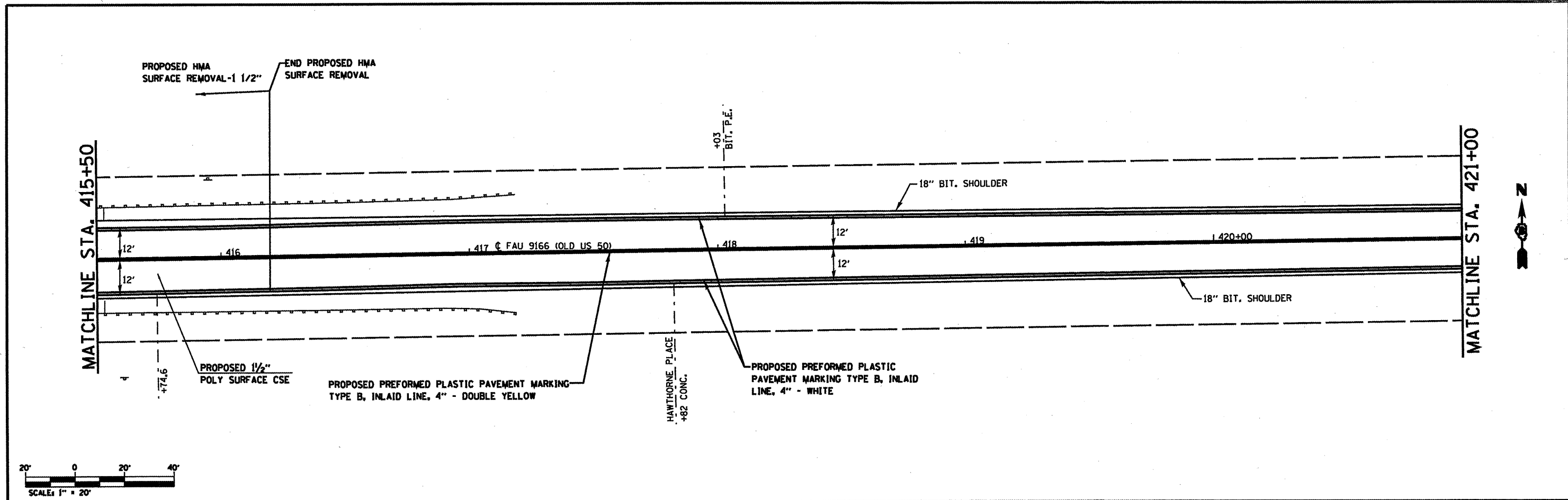
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

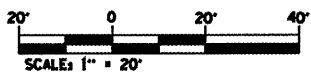
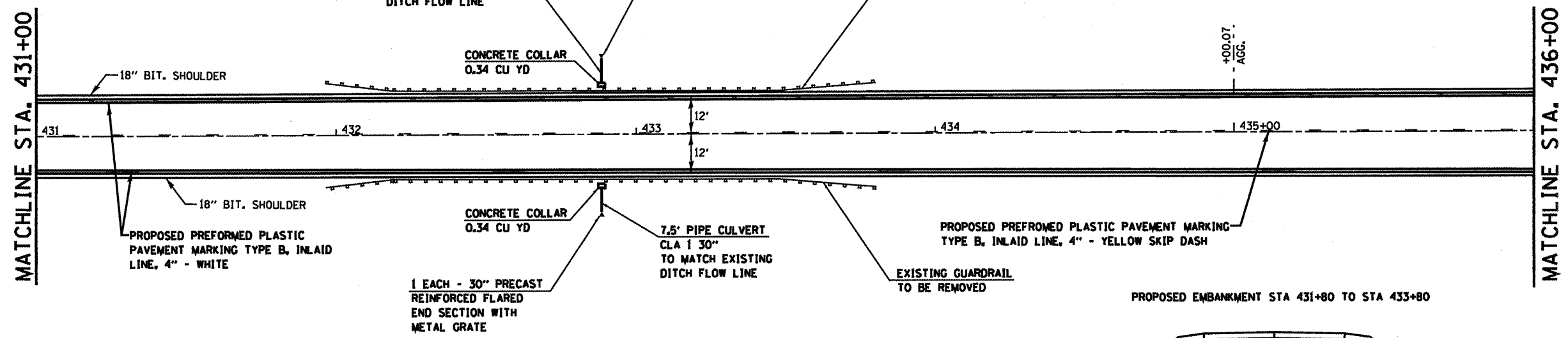
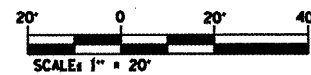
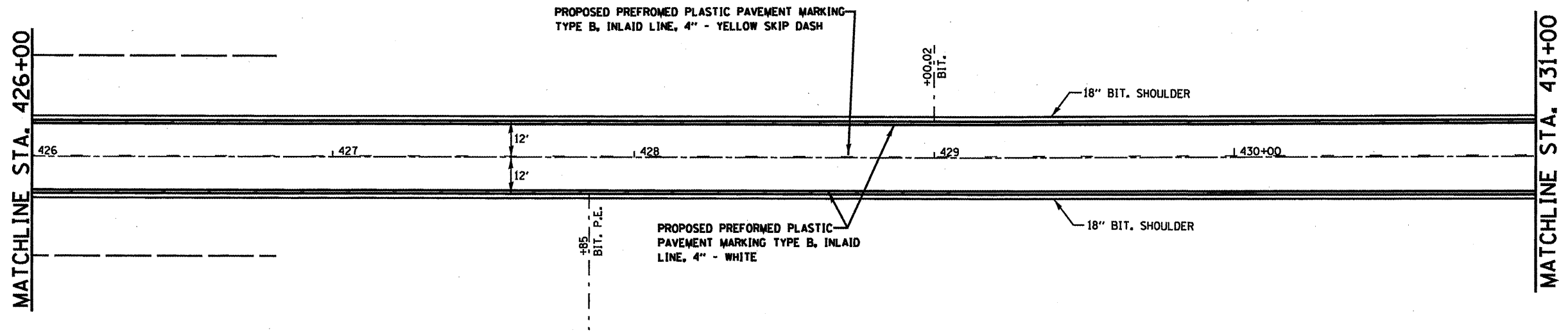
**PAVEMENT MARKING / PLAN SHEET OLD US 50**

SCALE: NONE      SHEET NO. OF SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76069	

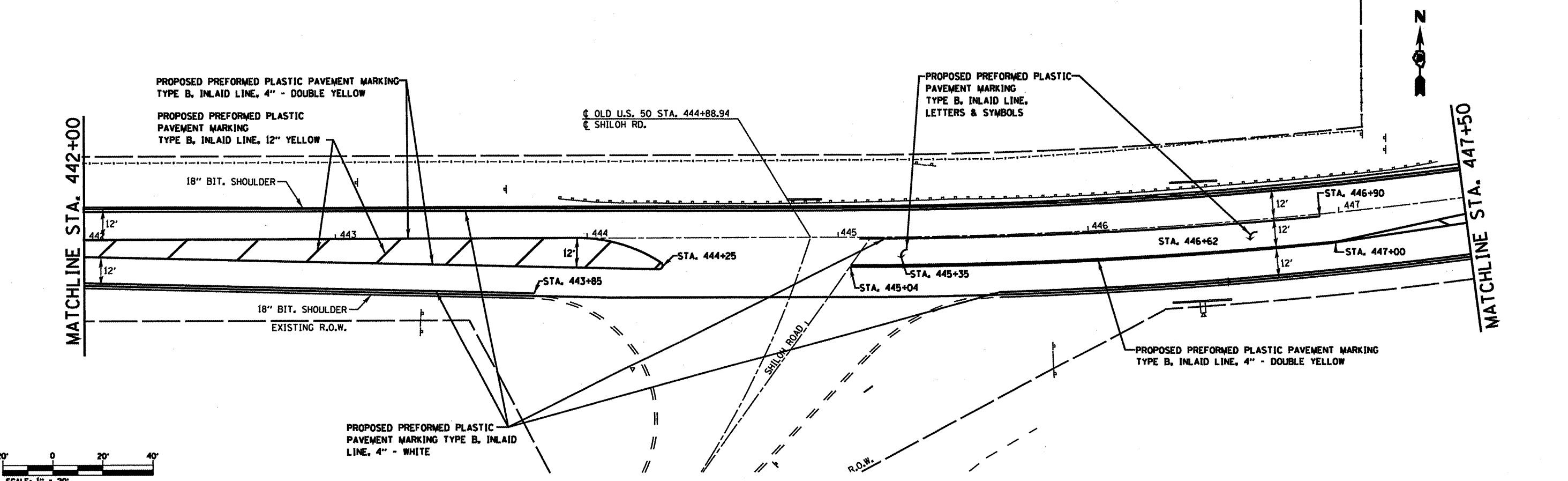
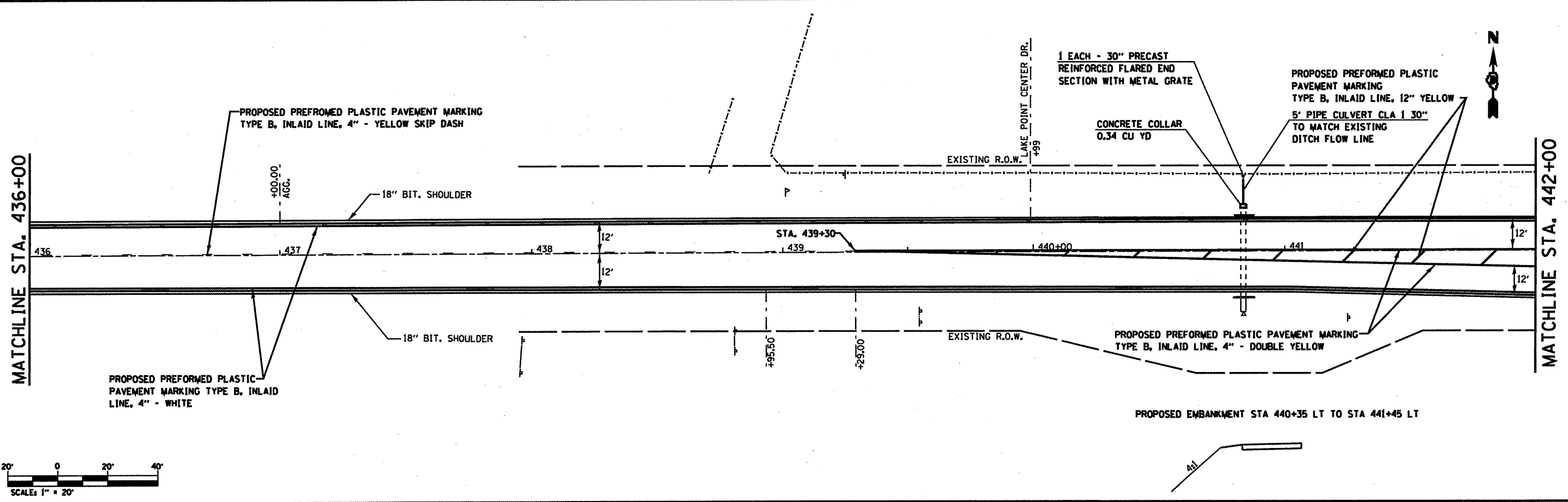


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	PLOT SCALE = 48.0000 "/>	CHECKED -	REVISED -			32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	34	
	PLOT DATE = 3/2/2019	DATE -	REVISED -			SCALE: NONE	SHEET NO. OF SHEETS	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76069	



FILE NAME	USER NAME = alford	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING / PLAN SHEET OLD US 50	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\p...work\pavdot\alford\08174224\0876	09-shr-plan.dgn	DRAWN -	REVISED -			32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	35	
PLOT SCALE = 48,0000' / IN.	CHECKED -	REVISED -	SCALE: NONE			SHEET NO. OF SHEETS	CONTRACT NO. 76069			
PLOT DATE = 3/2/2018	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				





FILE NAME *	USER NAME = alfordb
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PLOT DATE = 3/2/2018	CHECKED -
	DATE -

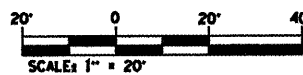
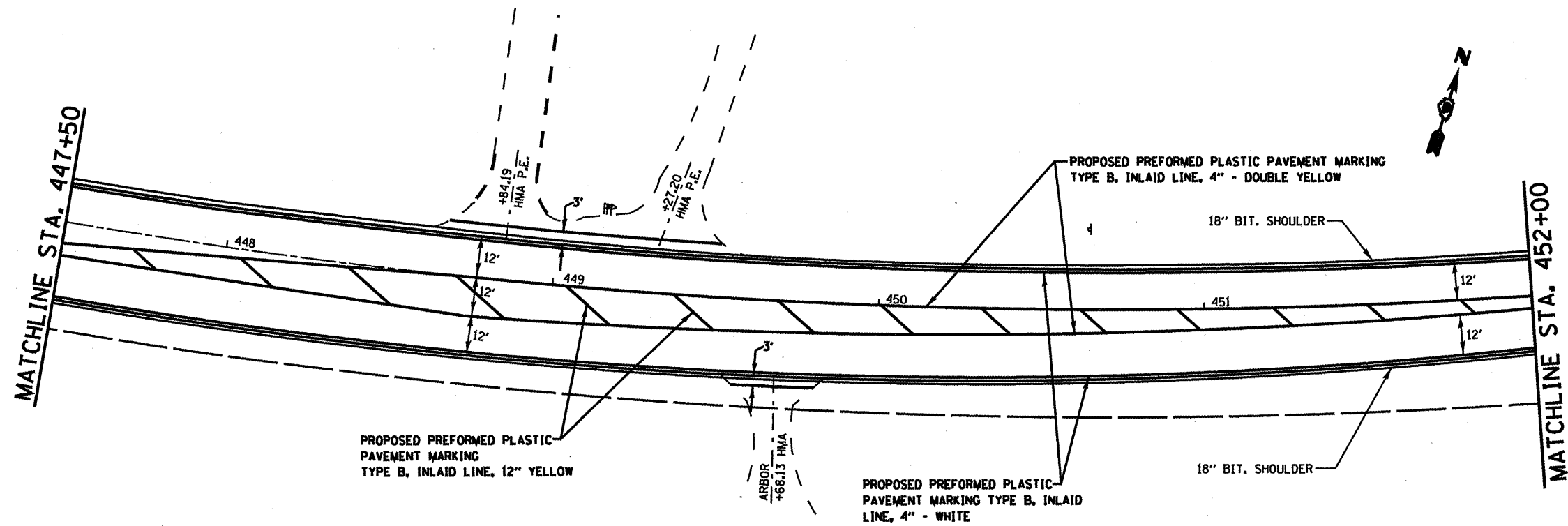
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DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

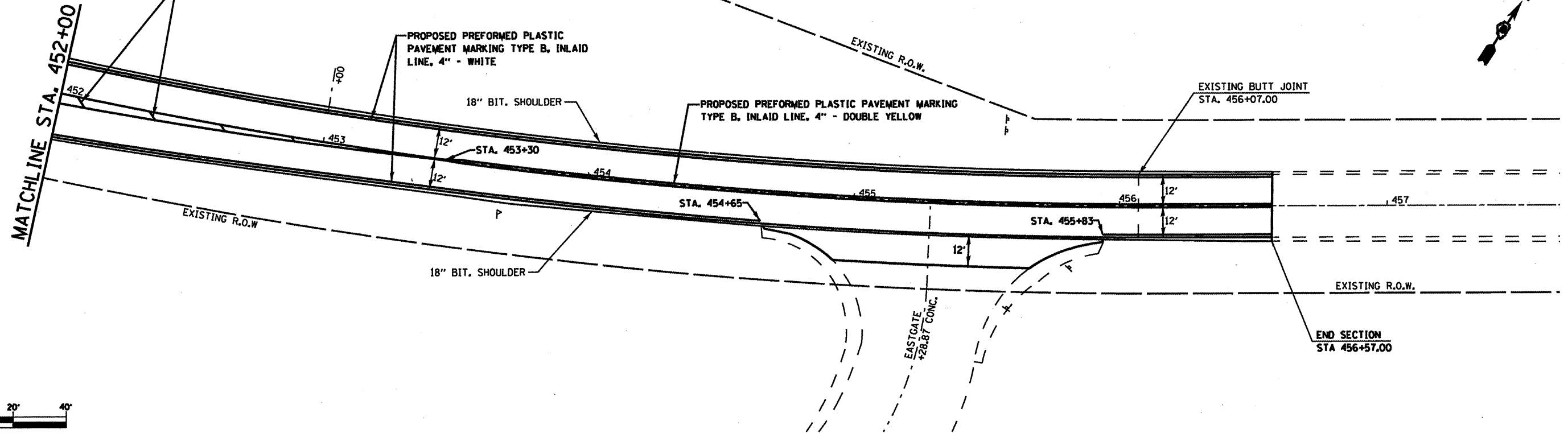
**PAVEMENT MARKING / PLAN SHEET OLD US 50**

SCALE: NONE    SHEET NO. OF SHEETS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0331/9005	32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	36
CONTRACT NO. 76069				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



PROPOSED PREFORMED PLASTIC  
PAVEMENT MARKING  
TYPE B, INLAID LINE, 12" YELLOW

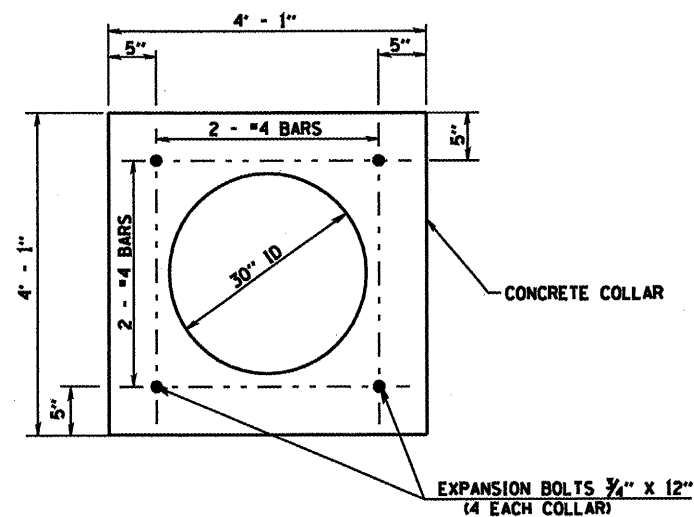


FILE NAME :	USER NAME : a1fordb	DESIGNED -	REVISED -
c:\pwork\pados\elfordb\08174224\087659-sht-plan.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

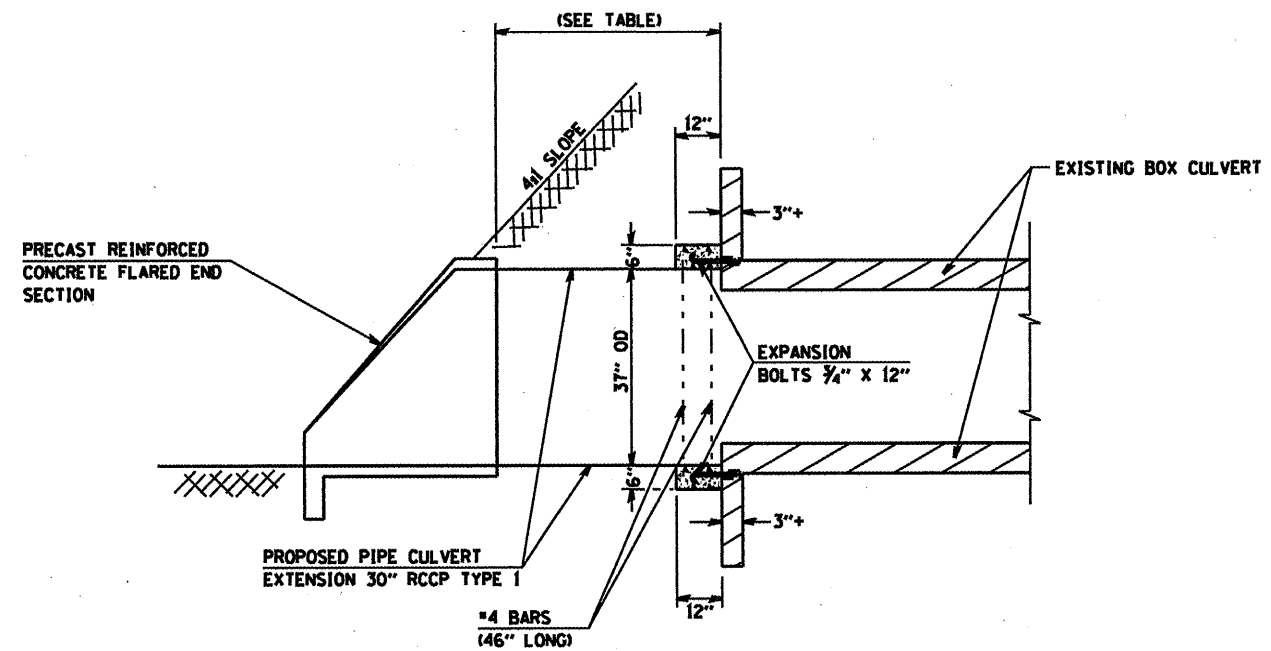
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING / PLAN SHEET OLD US 50**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3, 3IRS-3, IRS-1		ST. CLAIR	56	37
CONTRACT NO. 76069				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**EXPANSION BOLT AND REINFORCING STEEL LAYOUT  
FOR EXTENSION OF 2' x 2' BOX CULVERT @ STA. 440+84 LT  
AND 1.5' x 2' BOX CULVERT @ STA. 432+80 LT & RT,  
NOT TO SCALE**



**SECTION VIEW SHOWING CONCRETE COLLAR DETAILS  
FOR EXTENSION OF BOX CULVERTS  
NOT TO SCALE**

**GENERAL NOTES**

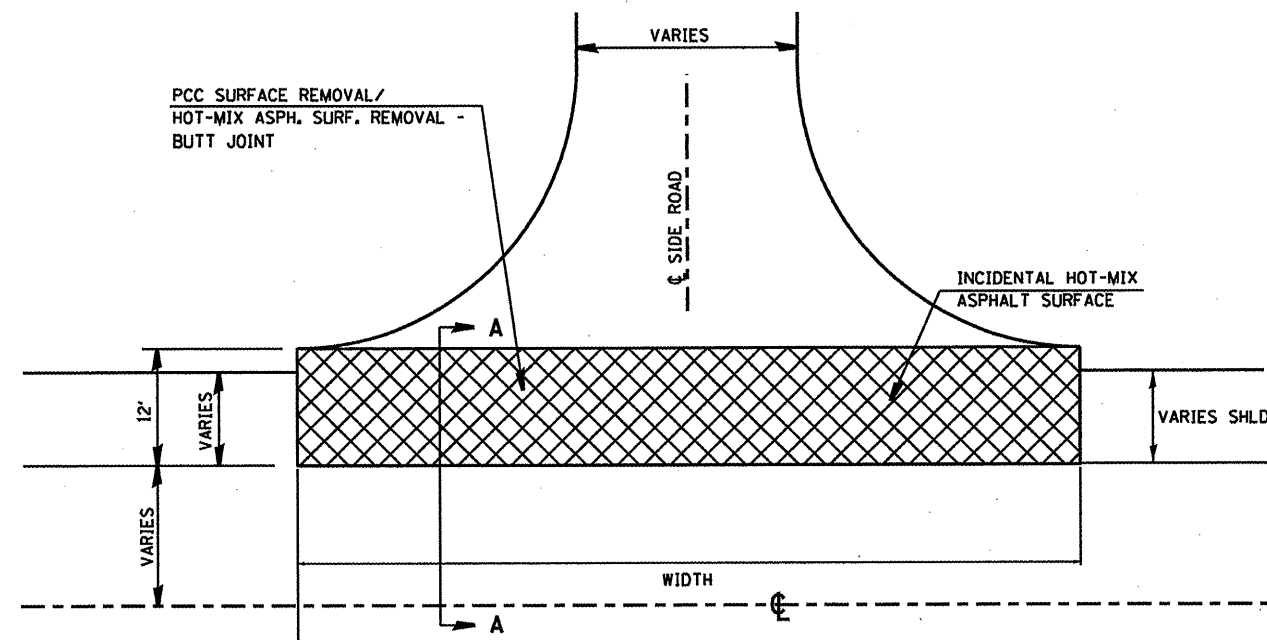
CLASS SI CONCRETE SHALL BE USED FOR CONCRETE COLLAR.  
FOR BACKFILLING AND EMBANKMENT SEE STANDARD SPECIFICATIONS.  
REINFORCED BARS SHALL CONFORM TO THE REQUIREMENTS OF  
AASHTO M-31, M42 OR M53, GRADE 60.  
EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION  
SHIELDS AND 3/4 \" DIA. HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND  
A MINIMUM OF 9\" INTO NEW CONCRETE. MINIMUM CERTIFIED  
PROOF LOAD = 4,080 LBS.

**BILL OF MATERIALS**

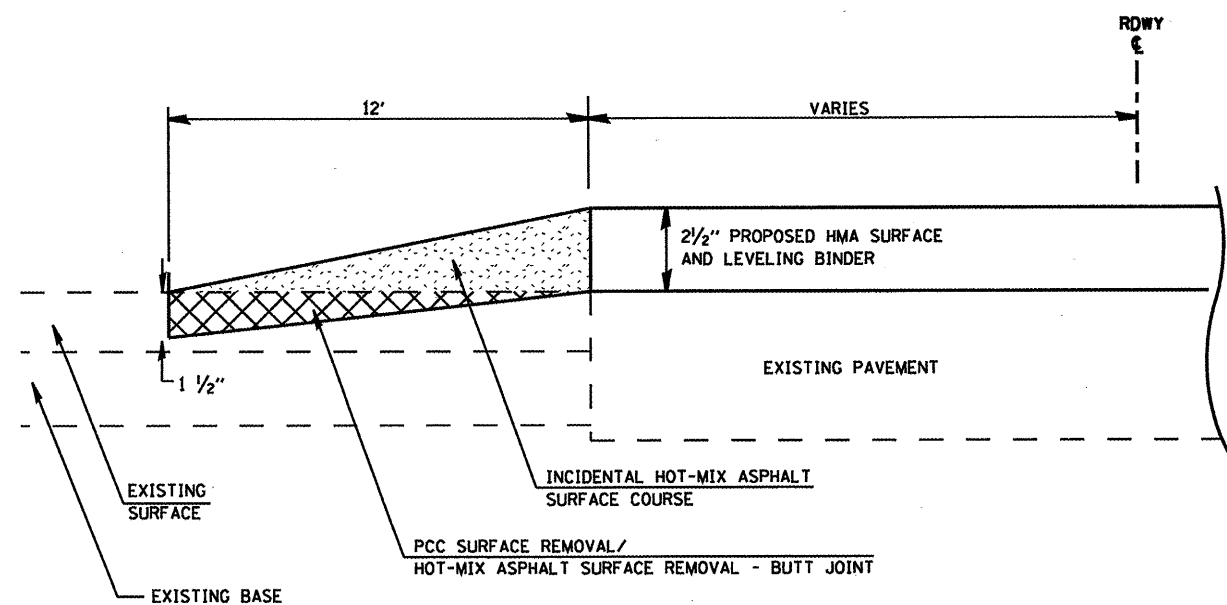
LOCATION	PRECAST REINFORCED CONCRETE FLARED END SECTION 30\"	PIPE CULVERTS, CL. A, 1, 30\"	GRATING FOR CONCRETE FLARED END SECTION 30\"	EXPANSION BOLTS 3/4\" x 12\"	REINFORCEMENT BARS	CONCRETE COLLAR
(STATION)	(EACH)	(FOOT)	(EACH)	(EACH)	(LBS)	(CY)
432+80 LT	1	8.5	1	4	20.5	0.34
432+80 RT	1	7.5	1	4	20.5	0.34
440+84 LT	1	5	1	4	20.5	0.34
TOTALS	3	21.0	3	12	61.5	1.0

(NO SCALE)

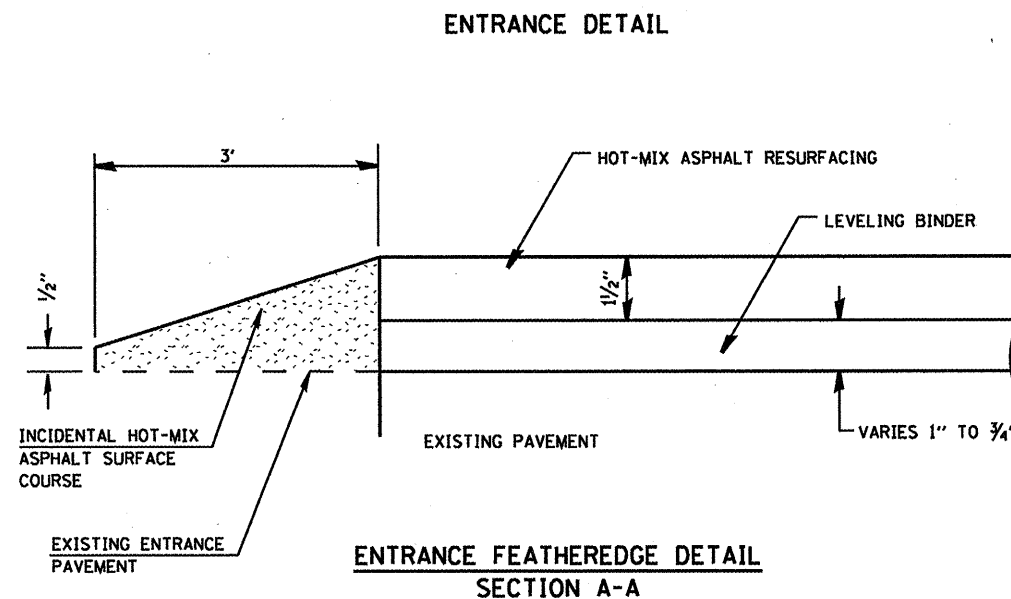
FILE NAME *	USER NAME * alfords	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOX CULVERT EXTENSIONS</b>	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
al\ps_work\pds\alfords\08174224\0876	59-shr-plan.dgn	DRAWN - TRF	REVISED -			32R-3, 31RS-3, IRS-1	ST. CLAIR	56	38	
PLOT SCALE = 48.0000 ' / IN.	CHECKED -	REVISED -	SCALE: NONE			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	
PLOT DATE = 3/2/2010	DATE -	REVISED -								



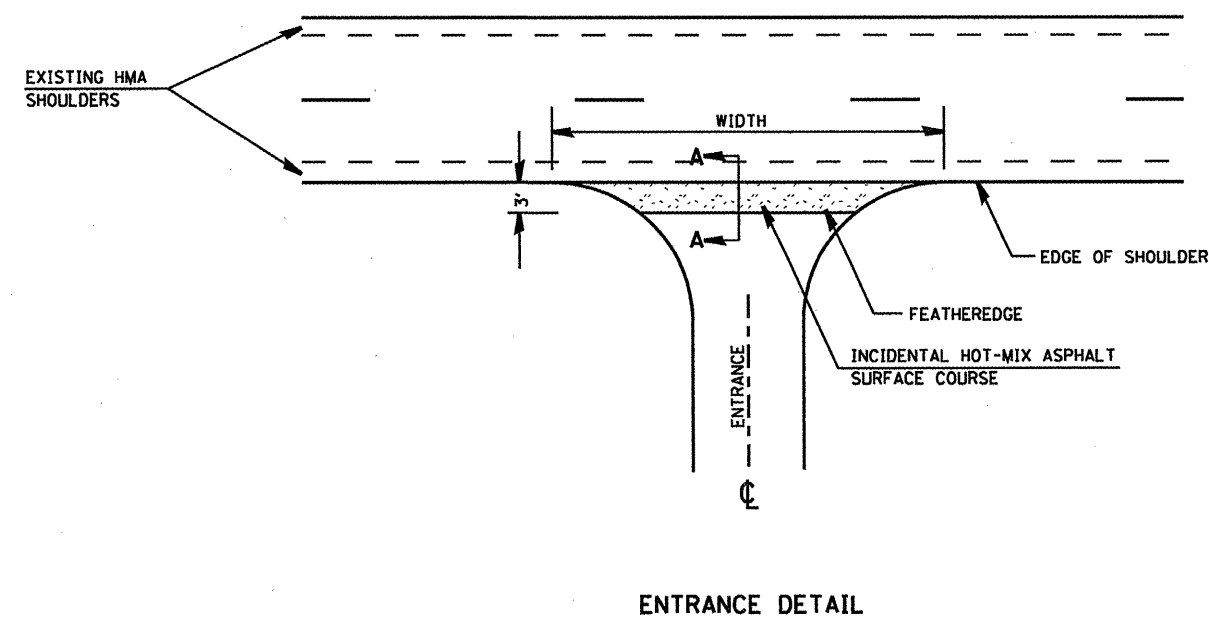
SIDE ROAD (PLAN VIEW)



SIDE ROAD SECTION A-A



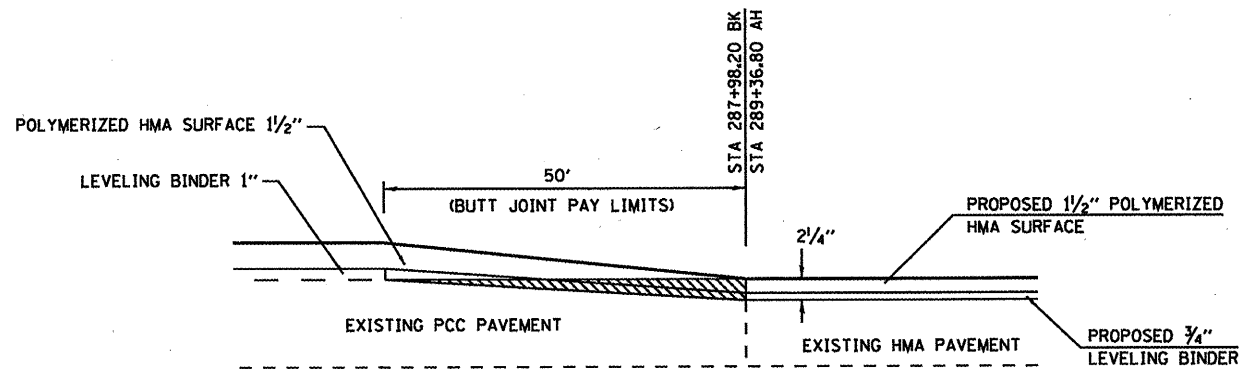
ENTRANCE FEATHEREDGE DETAIL SECTION A-A



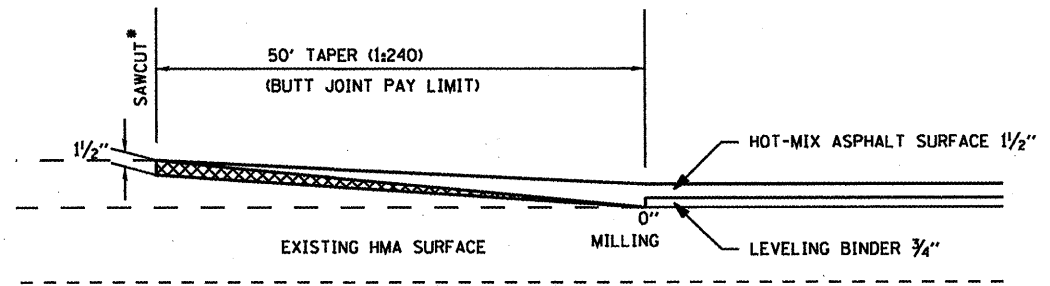
ENTRANCE DETAIL

(NO SCALE)

FILE NAME *	USER NAME * eifordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDE ENTRANCE DETAILS	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
atps...work\pids\el\fordb\06174224\0878	69-shr-plan.dgn	DRAWN -	REVISED -			32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	39	
PLOT SCALE = 40,0000' / IN.		CHECKED -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76069		
PLOT DATE = 3/2/2010		DATE -	REVISED -			SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.		



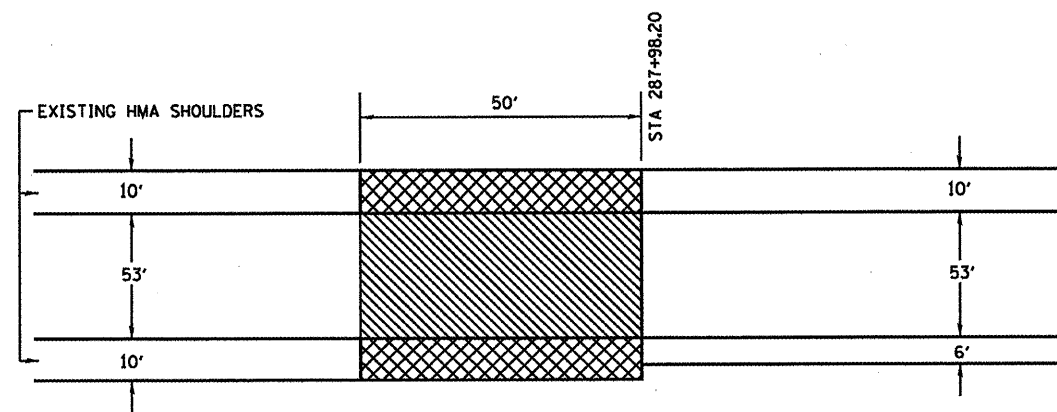
**PCC PAVEMENT SURFACE REMOVAL (BUTT JOINT)**



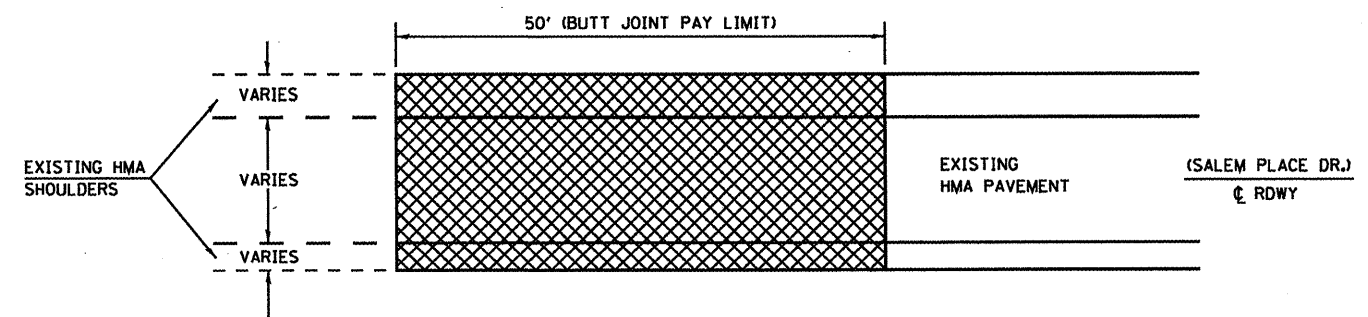
**HOT-MIX ASPHALT SURFACE REMOVAL (BUTT JOINT)**

SALEM PLACE DR. STA 0+00  
 SALEM PLACE DR. STA 57+10  
 SALEM PLACE DR. STA 60+48

\* COST OF SAWCUT TO BE INCLUDED IN  
 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT



**PLAN VIEW**

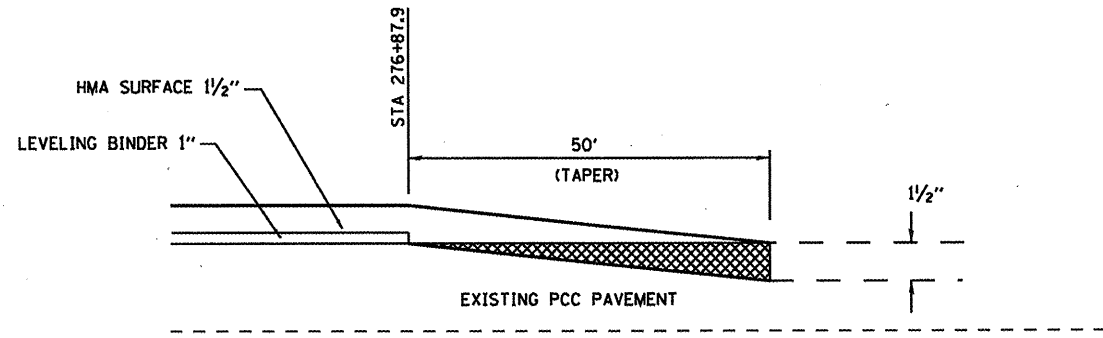


**PLAN VIEW**

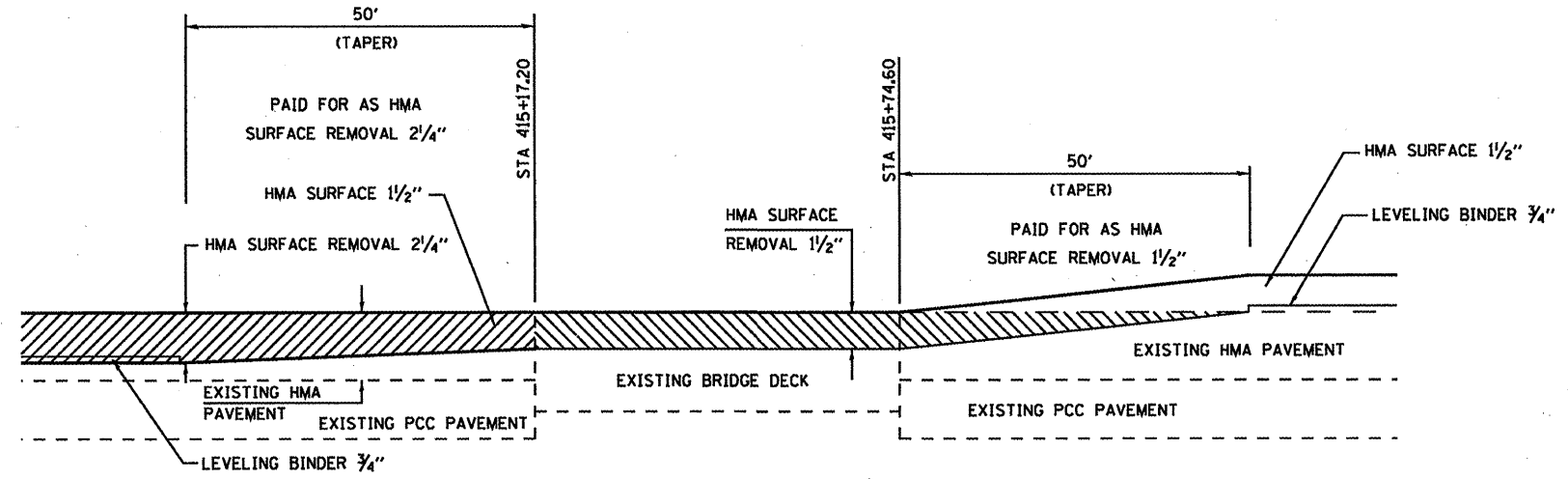
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- PCC SURFACE REMOVAL - BUTT JOINT

(NO SCALE)

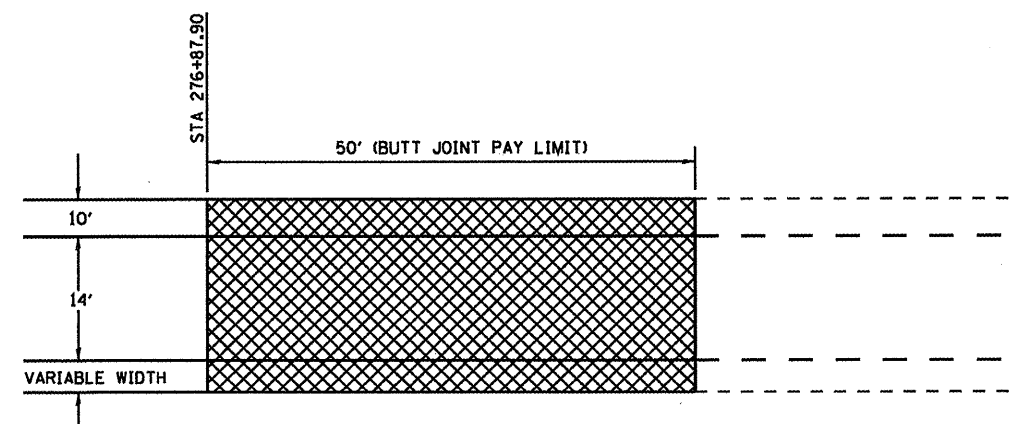
FILE NAME *	USER NAME * e1fordb	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>JOINT DETAILS.</b>			F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca\ps_work\psidot\elfordb\08174224\0876	57-shr-plan.dgn	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. OF	SHEETS	STA.	TO STA.	32RS-3, 31RS-3, (RS-1)	ST. CLAIR	56	40
	PLOT SCALE = 48.0000' / IN.	CHECKED -	REVISED -										
	PLOT DATE = 3/2/2010	DATE -	REVISED -										
											CONTRACT NO. 76069		
											FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



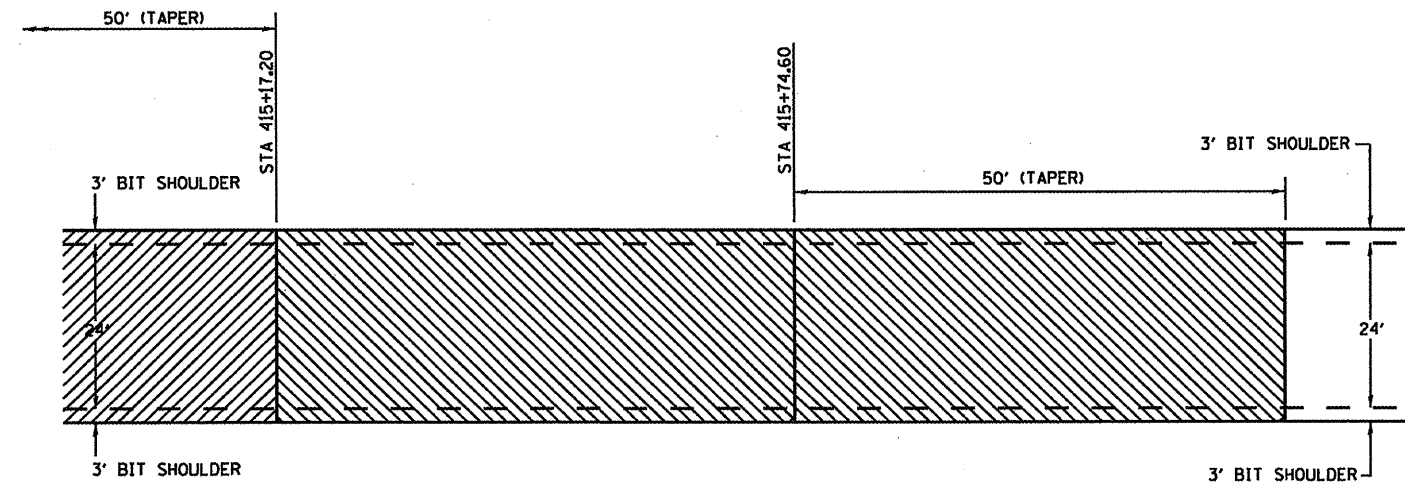
**PCC PAVEMENT SURFACE REMOVAL (BUTT JOINT)**



**JOINT DETAIL**



**PLAN VIEW**



**PLAN VIEW**

- HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"
- HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"
- PCC SURFACE REMOVAL - BUTT JOINT

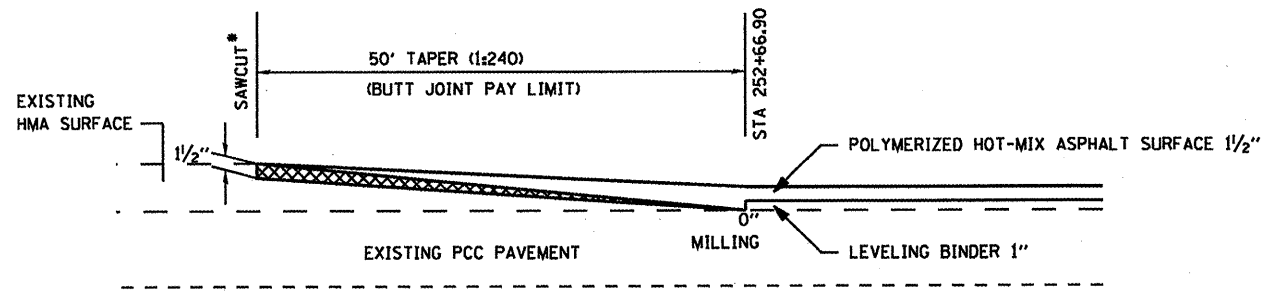
(NO SCALE)

FILE NAME *	USER NAME * e1fordb	DESIGNED -	REVISED -
ca:\pwork\p1dot\alfordb\08174224\0876	59-shr:planudgn	DRAWN -	REVISED -
	PLOT SCALE = 48,0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/2/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>JOINT DETAILS</b>			
SCALE: NONE	SHEET NO.	OF SHEETS	STA. TO STA.

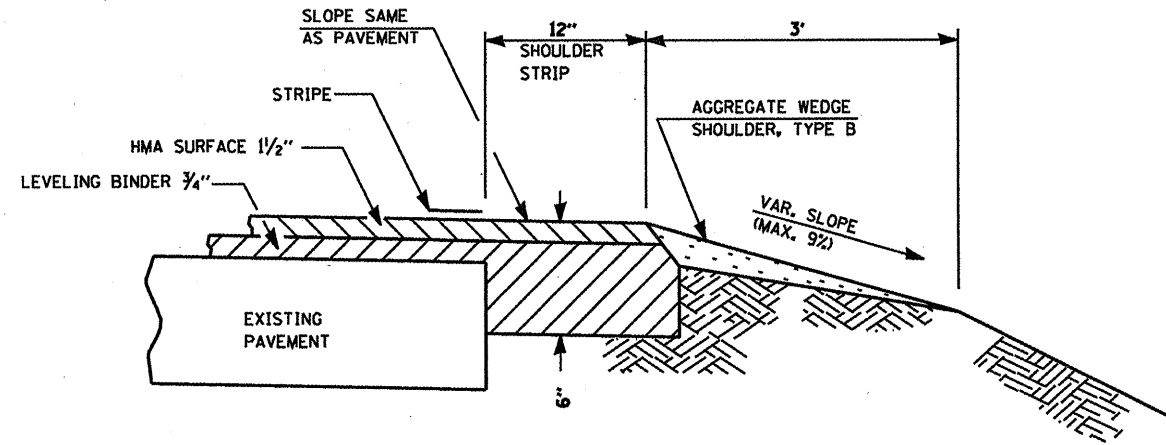
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3204-9004	32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			<b>CONTRACT NO. T6D69</b>	



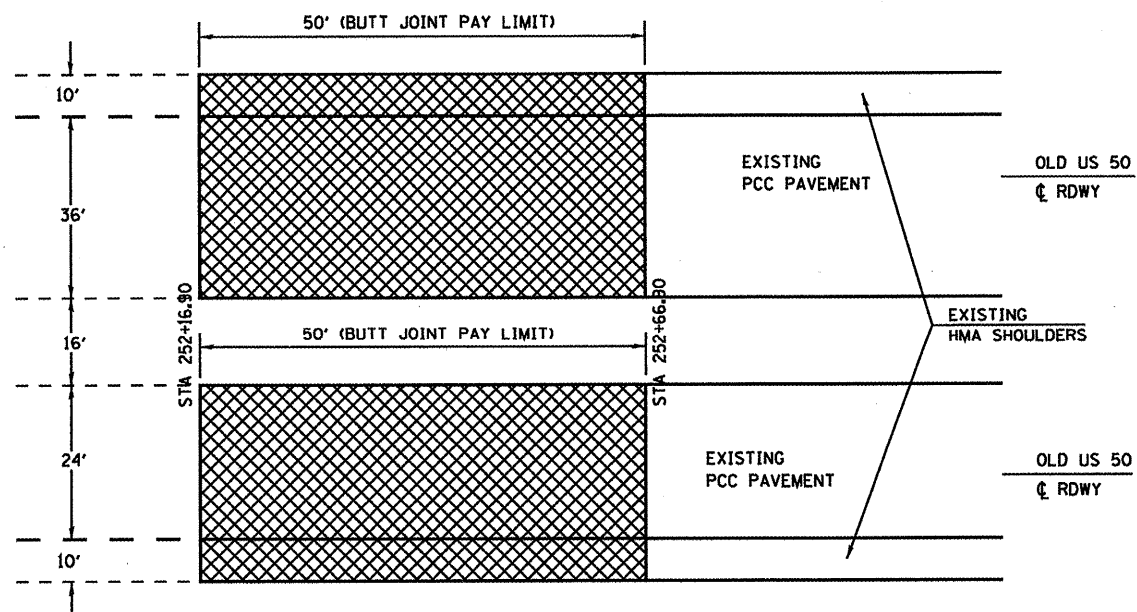
**PCC SURFACE REMOVAL (BUTT JOINT)**

OLD US 50 STA 252+66.90

\* COST OF SAWCUT TO BE INCLUDED IN PCC SURFACE REMOVAL - BUTT JOINT

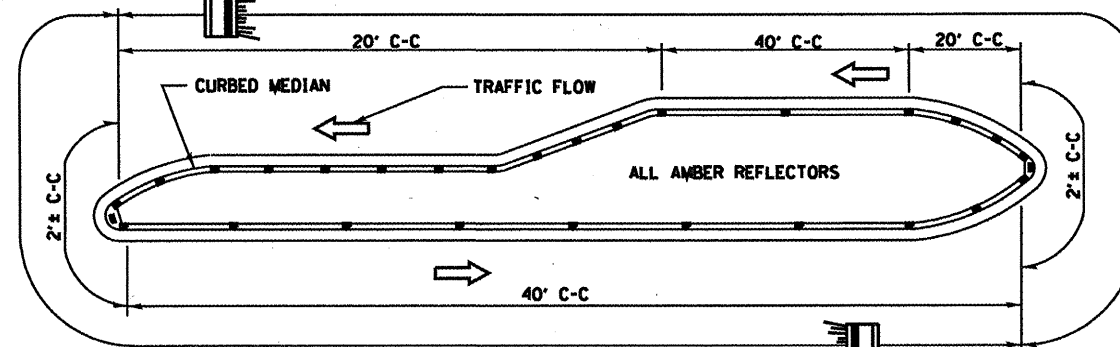


**HMA SHOULDER STRIP**

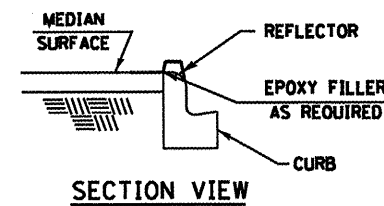


**PLAN VIEW  
JOINT DETAILS**

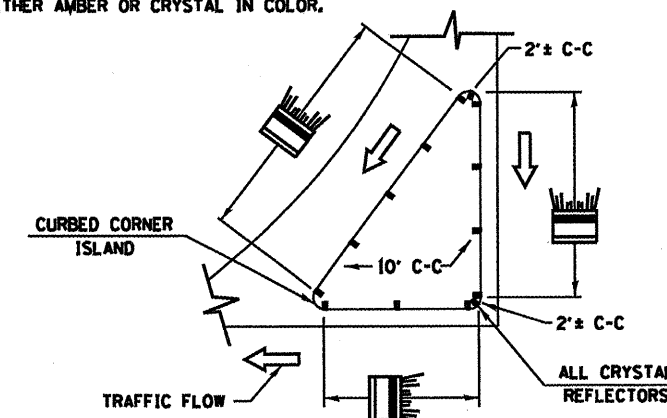
MARKER ORIENTATION WITHIN LIMITS SHOWN



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



**SECTION VIEW**



**TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS**

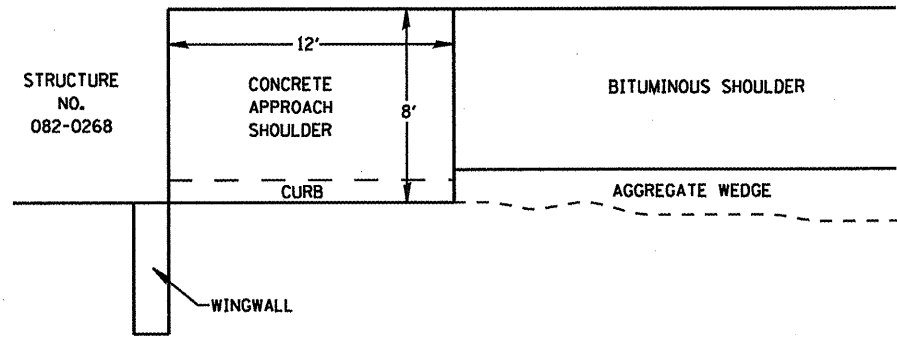
(NO SCALE)

(NO SCALE)

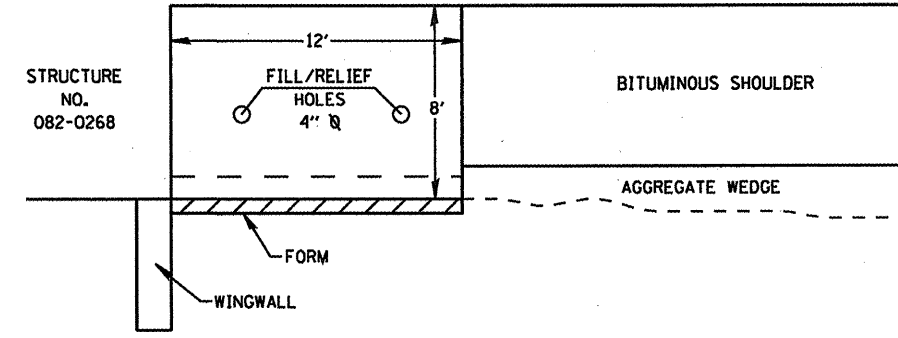
PCC SURFACE REMOVAL - BUTT JOINT

FILE NAME =	USER NAME = eiforab	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>JOINT DETAIL / MISC. DETAILS</b>		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\p\work\p\dot\elforab\08174224\0876	99-shr-plan\dgn	DRAWN -	REVISED -				32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	42	
		CHECKED -	REVISED -				CONTRACT NO. 76069				
		DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
				SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.					

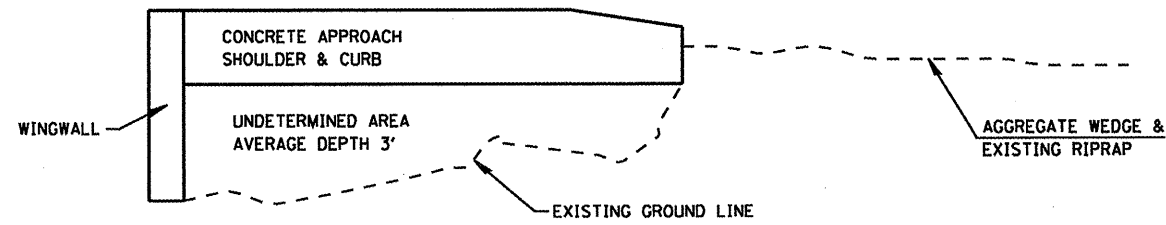




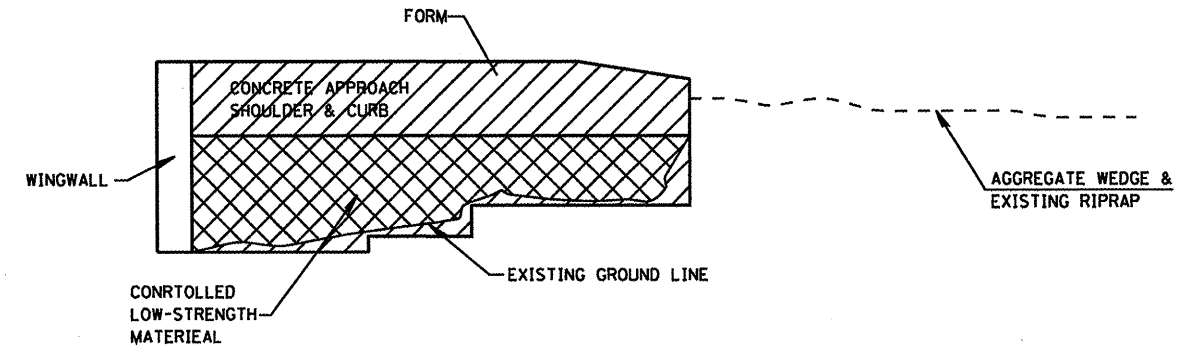
PLAN VIEW  
BEFORE FORMING



PLAN VIEW  
AFTER FORMING



SECTION VIEW  
BEFORE FORMING



SECTION VIEW  
AFTER FORMING

STA 414+92 TO STA 415+17 LT

1. CONTRACTOR IS TO FORM AND SEAL AREA INDICATED.
2. FILL/RELIEF HOLE TO BE DRILLED AS NECESSARY TO ALLOW THE FLOW OF GROUT MIXTURE AND RELEASE OF AIR.
3. ANY EXPENSES ASSOCIATED WITH THE DRILLING OF FILL/RELIEF HOLES TO BE INCLUDED IN "CONTROLLED LOW-STRENGTH MATERIAL".

(NO SCALE)

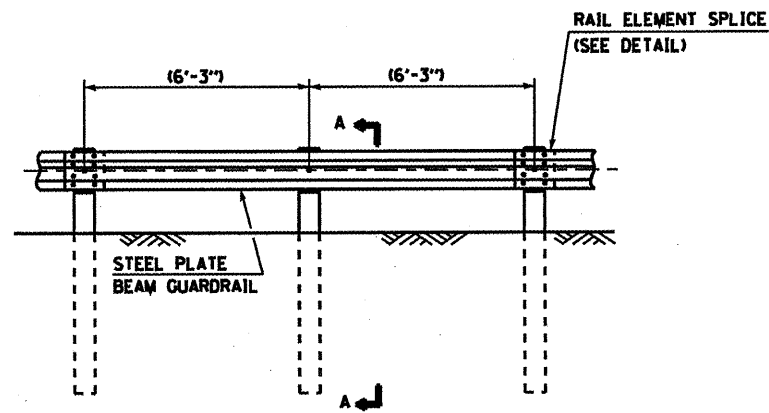
FILE NAME *	USER NAME * oifordb	DESIGNED -	REVISED -
ca\ps_work\psidot\oifordb\08174224\0878	07-shr-plan.dgn	DRAWN - TRF	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/2/2010	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

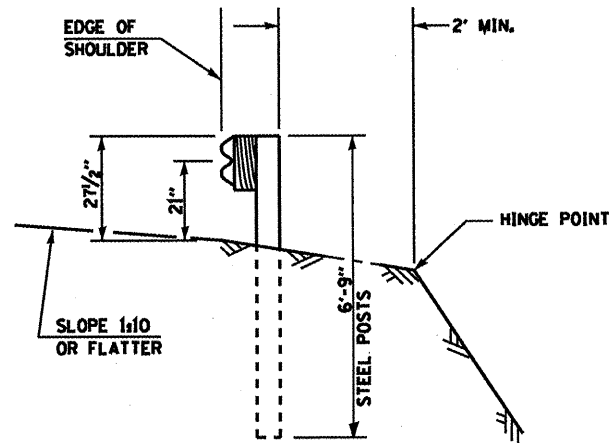
MISC. DETAIL

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

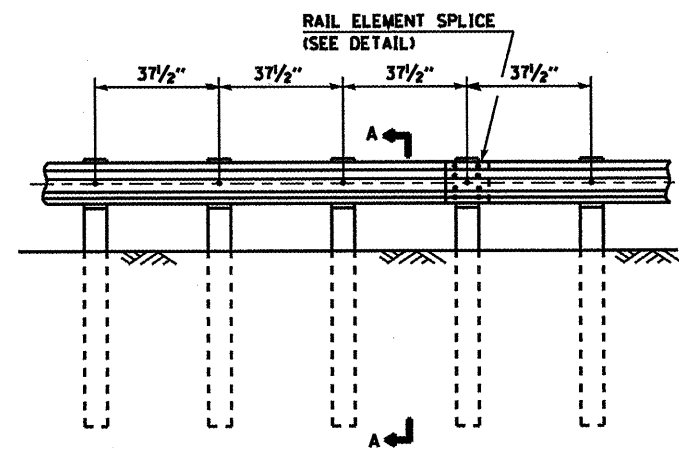
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320R/300R	32RS-3, 31RS-3, IRS-1	ST. CLAIR	56	43
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76069	



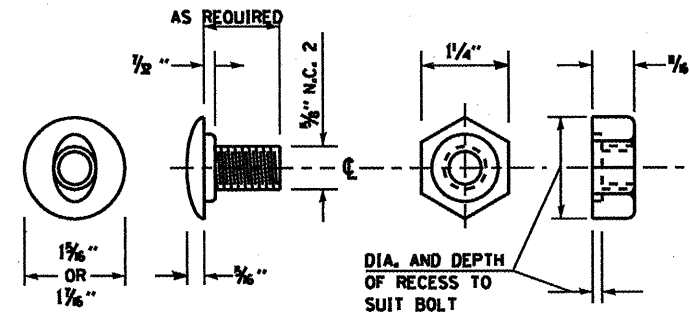
**TYPE A**  
6'-3" TYPICAL POST SPACING



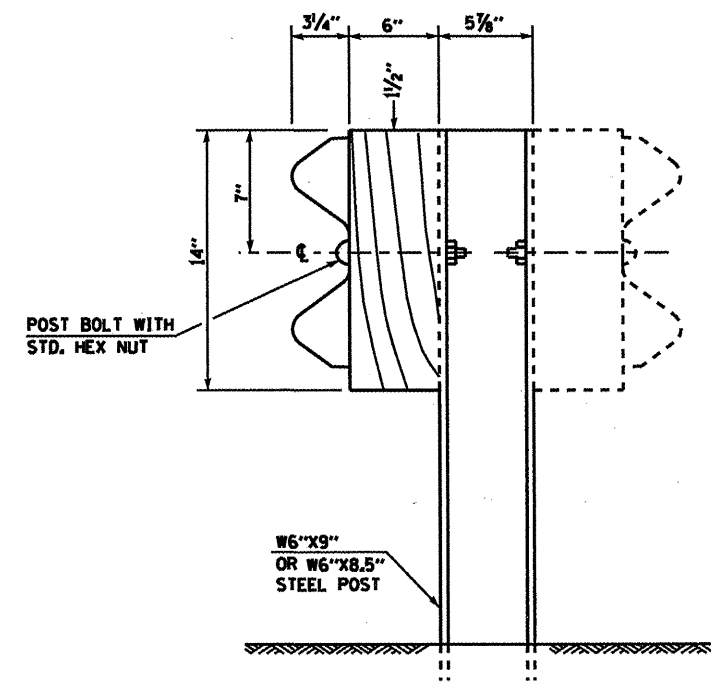
**SECTION A-A**



**ELEVATION**  
**TYPE B**  
37 1/2" CLOSED POST SPACING



**POST OR SPLICE BOLT & NUT**



**STEEL POST CONSTRUCTION**

**GENERAL NOTES**

ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).

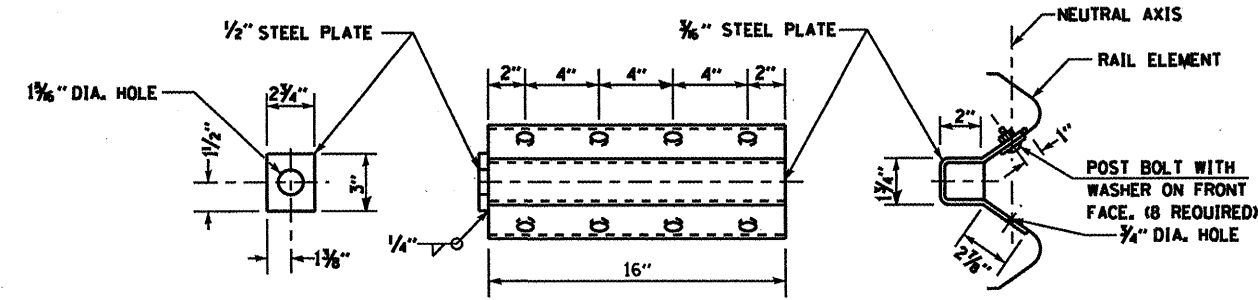
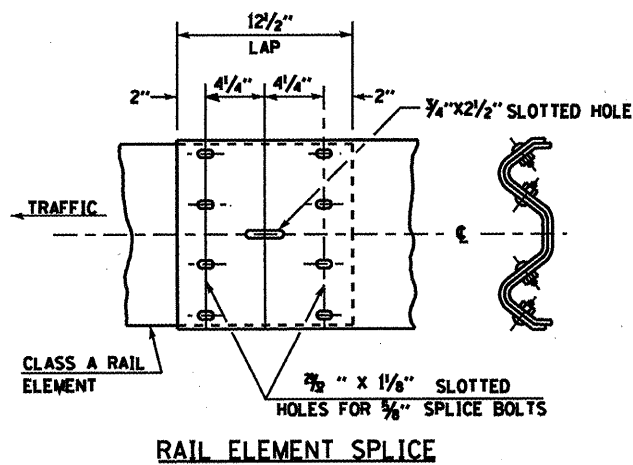
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

THE EXISTING STEEL POSTS MAY BE DRILLED TO MATCH THE BOLT PATTERN SHOWN HEREIN FOR THE WOOD BLOCK-OUT, OR A NEW STEEL POST SHALL BE PROVIDED.

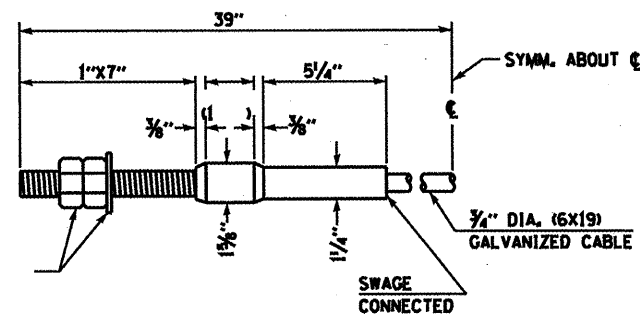
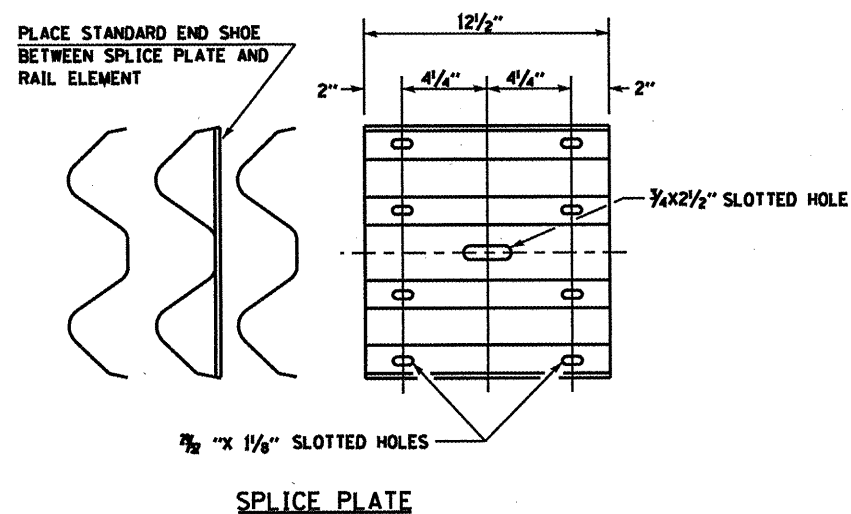
THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007.

(NO SCALE)

FILE NAME * USER NAME * aifordb PLOT SCALE = 48,0000' / IN. PLOT DATE = 3/2/2010	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GUARDRAIL DETAILS</b>		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - TRF	REVISED -				6331/9804	32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	44
	CHECKED -	REVISED -				CONTRACT NO. T6069		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	
	DATE -	REVISED -				SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.		

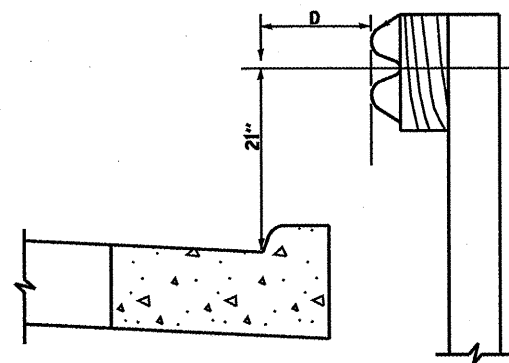
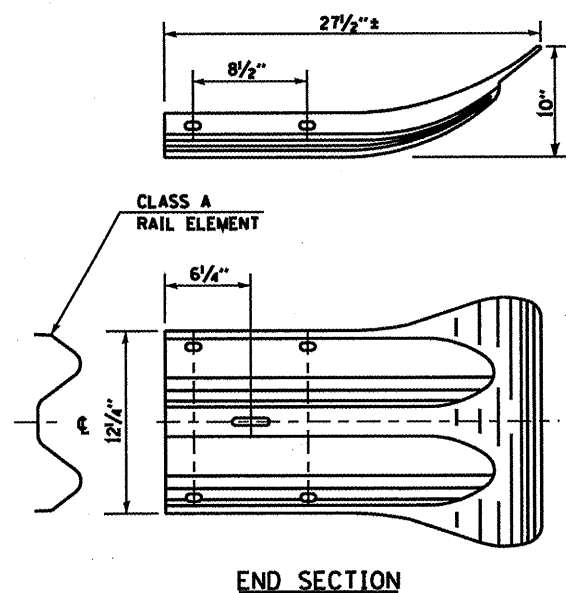


**ANCHOR PLATE T DETAILS**  
 NOTE ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.



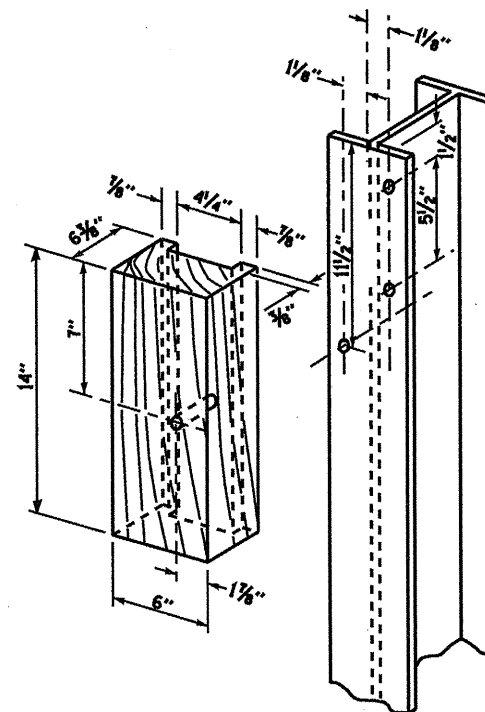
1" DOUBLE NUTS OR LOCKNUTS AND WASHER

**CABLE ASSEMBLY**  
 40,000 LBS. MIN. BREAKING STRENGTH  
 TIGHTEN TO TAUT TENSION.



NOTE:  
 IF IT IS NECESSARY FOR D TO BE MORE THAN 12" AND LESS THAN 10'-0" TYPE M-2 CURB AND GUTTER (STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

**GUARDRAIL PLACED BEHIND CURB**  
 (D = 0 DESIRABLE TO 12" MAXIMUM)



**WOOD BLOCK-OUT AND STEEL POST DETAILS**

(NO SCALE)

FILE NAME *	USER NAME * eifordb	DESIGNED -	REVISED -
ca:\pe_work\pstdot\elfordb\08174224\d876\69-shr-plan.dgn		DRAWN - TRF	REVISED -
PLOT SCALE = 48,8988 / IN.		CHECKED -	REVISED -
PLOT DATE = 3/2/2010		DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

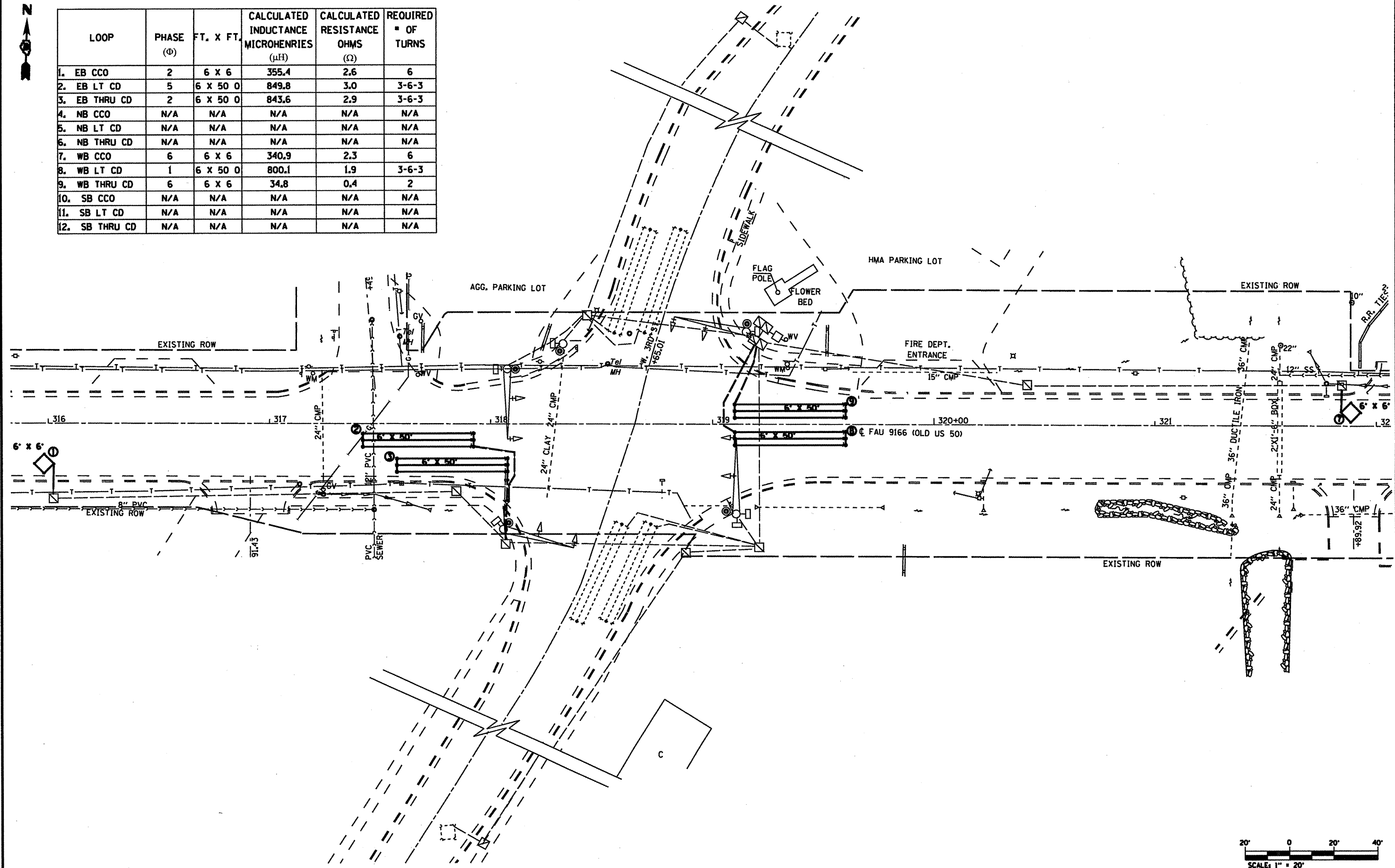
GUARDRAIL DETAILS

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

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3, 3JRS-3, IRS-1		ST. CLAIR	56	45
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76069	



LOOP	PHASE (Φ)	FT. X FT.	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)	REQUIRED # OF TURNS
1. EB CCO	2	6 X 6	355.4	2.6	6
2. EB LT CD	5	6 X 50 0	849.8	3.0	3-6-3
3. EB THRU CD	2	6 X 50 0	843.6	2.9	3-6-3
4. NB CCO	N/A	N/A	N/A	N/A	N/A
5. NB LT CD	N/A	N/A	N/A	N/A	N/A
6. NB THRU CD	N/A	N/A	N/A	N/A	N/A
7. WB CCO	6	6 X 6	340.9	2.3	6
8. WB LT CD	1	6 X 50 0	800.1	1.9	3-6-3
9. WB THRU CD	6	6 X 6	34.8	0.4	2
10. SB CCO	N/A	N/A	N/A	N/A	N/A
11. SB LT CD	N/A	N/A	N/A	N/A	N/A
12. SB THRU CD	N/A	N/A	N/A	N/A	N/A



FILE NAME *	USER NAME * elforcb	DESIGNED -	REVISED -
ca:\pe_work\p1dot\elforcb\08174224\087669-shr-TSI.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

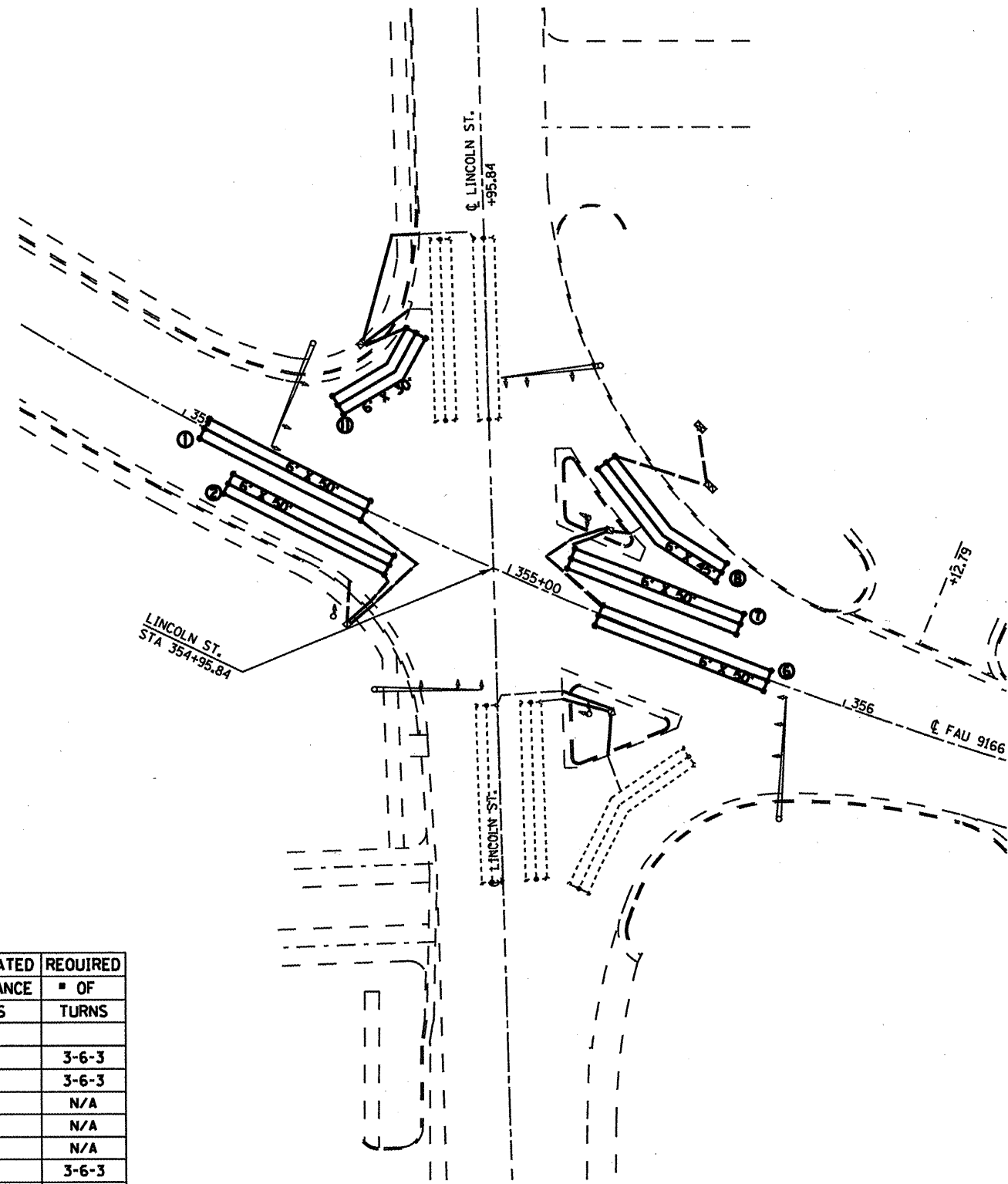
**DETECTOR LOOP REPLACEMENT PLAN  
US 50 AT 3RD STREET**

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

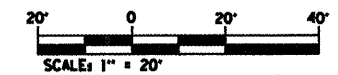
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9166	32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	46

FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT

CONTRACT NO. 76069



LOOP	PHASE (Φ)	FT. X FT.	CALCULATED	CALCULATED	REQUIRED
			INDUCTANCE MICROHENRIES (μH)	RESISTANCE OHMS (Ω)	# OF TURNS
1. EB LT CD	5	6 X 50 0	844.1	2.9	3-6-3
2. EB THRU CD	2	6 X 50 0	838.1	2.8	3-6-3
3. NB LT CD	N/A	N/A	N/A	N/A	N/A
4. NB THRU CD	N/A	N/A	N/A	N/A	N/A
5. NB RT CD	N/A	N/A	N/A	N/A	N/A
6. WB LT CD	1	6 X 50 0	808.4	2.1	3-6-3
7. WB THRU CD	6	6 X 50 0	800.7	1.9	3-6-3
8. WB RT CD	6	6 X 45 0	722.9	1.7	3-6-3
9. SB LT CD	N/A	N/A	N/A	N/A	N/A
10. SB THRU CD	N/A	N/A	N/A	N/A	N/A
11. SB RT CD	4	6 X 30 0	518.6	1.7	3-6-3



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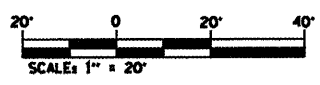
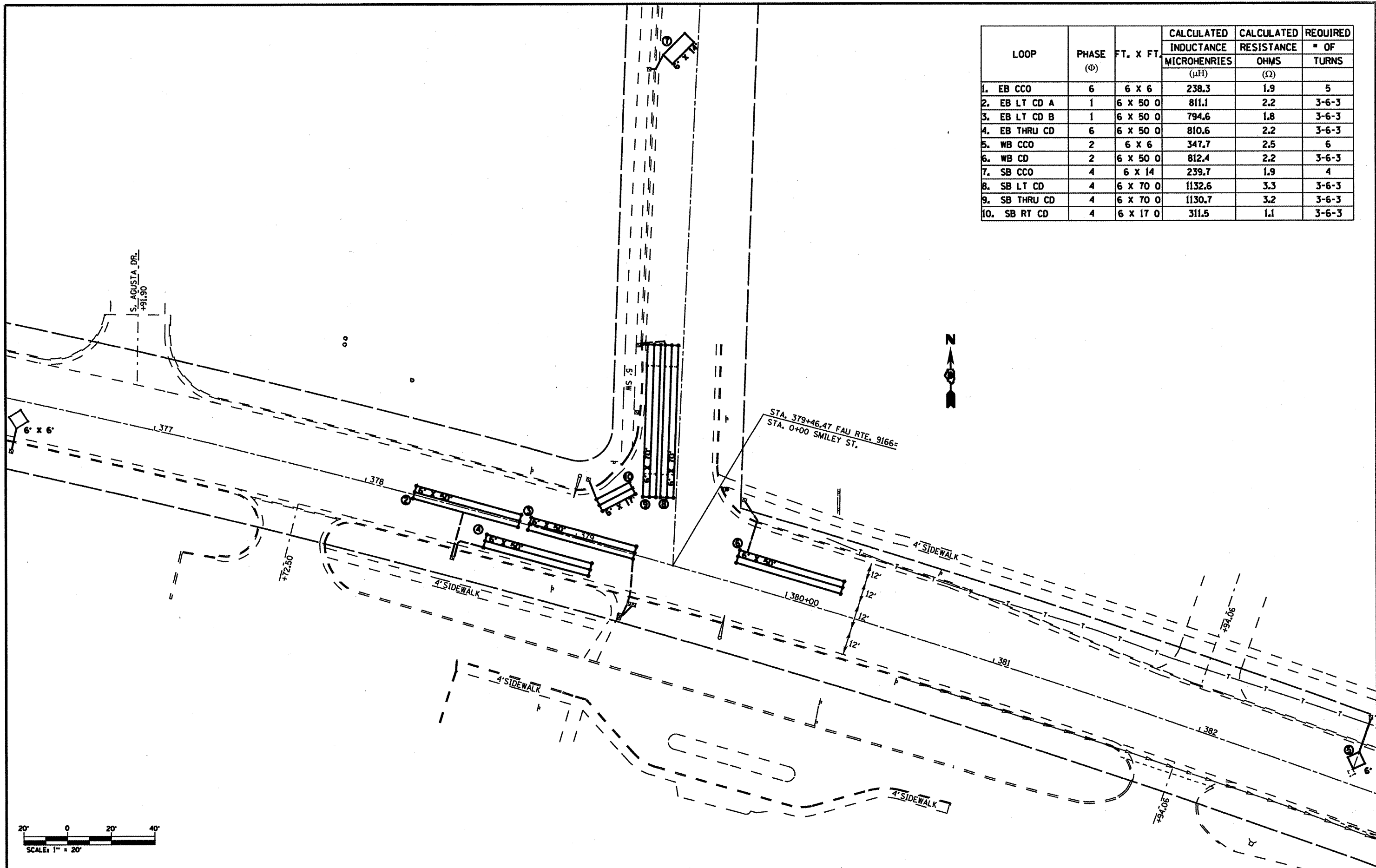
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
US 50 AT LINCOLN AVENUE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9166	32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	47
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			<b>CONTRACT NO. 76069</b>	

LOOP	PHASE (Φ)	FT. X FT.	CALCULATED	CALCULATED	REQUIRED
			INDUCTANCE MICROHENRIES (μH)	RESISTANCE OHMS (Ω)	OF TURNS
1. EB CCO	6	6 X 6	238.3	1.9	5
2. EB LT CD A	1	6 X 50 0	811.1	2.2	3-6-3
3. EB LT CD B	1	6 X 50 0	794.6	1.8	3-6-3
4. EB THRU CD	6	6 X 50 0	810.6	2.2	3-6-3
5. WB CCO	2	6 X 6	347.7	2.5	6
6. WB CD	2	6 X 50 0	812.4	2.2	3-6-3
7. SB CCO	4	6 X 14	239.7	1.9	4
8. SB LT CD	4	6 X 70 0	1132.6	3.3	3-6-3
9. SB THRU CD	4	6 X 70 0	1130.7	3.2	3-6-3
10. SB RT CD	4	6 X 17 0	311.5	1.1	3-6-3



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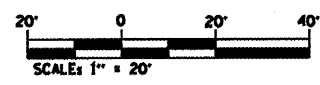
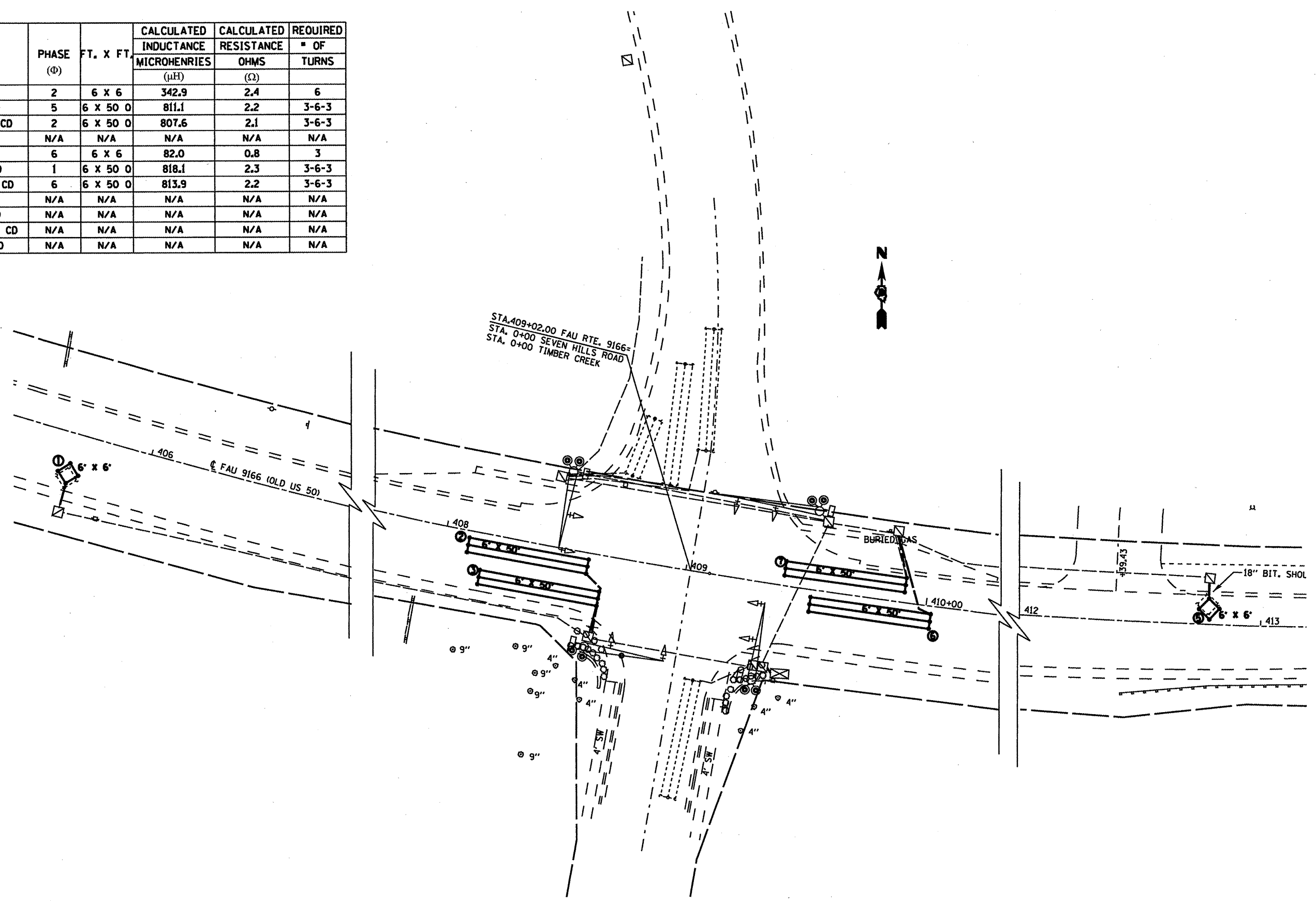
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP REPLACEMENT PLAN  
US 50 AT SMILEY STREET**

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

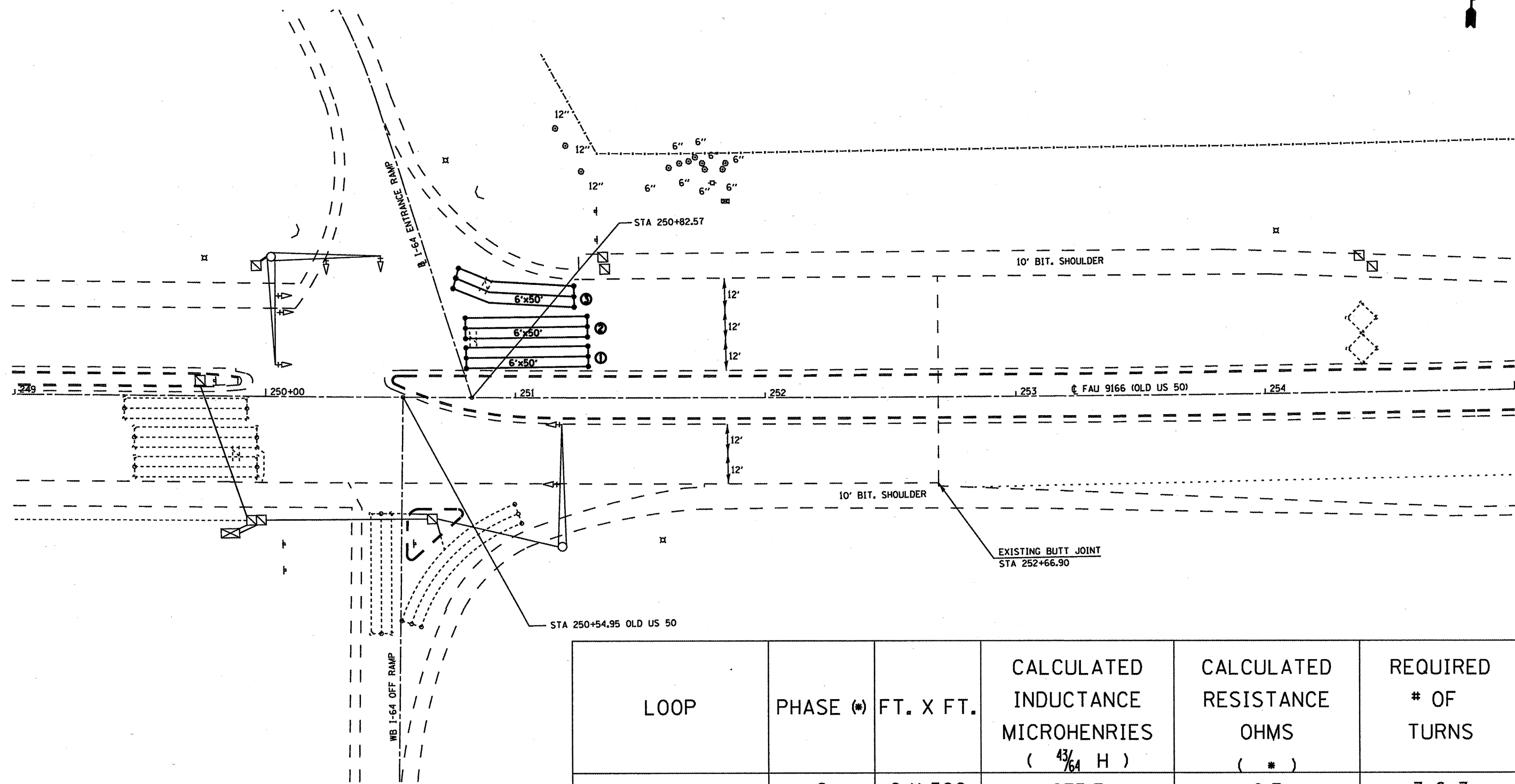
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9166	32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	48
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 76069		

LOOP	PHASE (Φ)	FT. X FT.	CALCULATED	CALCULATED	REQUIRED
			INDUCTANCE MICROHENRIES (μH)	RESISTANCE OHMS (Ω)	# OF TURNS
1. EB CCO	2	6 x 6	342.9	2.4	6
2. EB LT CD	5	6 x 50 0	811.1	2.2	3-6-3
3. EB THRU CD	2	6 x 50 0	807.6	2.1	3-6-3
4. NB CD	N/A	N/A	N/A	N/A	N/A
5. WB CCO	6	6 x 6	82.0	0.8	3
6. WB LT CD	1	6 x 50 0	818.1	2.3	3-6-3
7. WB THRU CD	6	6 x 50 0	813.9	2.2	3-6-3
8. SB CCO	N/A	N/A	N/A	N/A	N/A
9. SB LT CD	N/A	N/A	N/A	N/A	N/A
10. SB THRU CD	N/A	N/A	N/A	N/A	N/A
11. SB RT CD	N/A	N/A	N/A	N/A	N/A



FILE NAME :	USER NAME : alfordb	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP REPLACEMENT PLAN US 50 AT TIMBER CREEK / SEVEN HILLS RD</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLT DATE = 3/2/2010	DATE -	REVISED -			SCALE: 1" = 20' SHEET NO. OF SHEETS		CONTRACT NO. 76069			
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					





LOOP	PHASE (*)	FT. X FT.	CALCULATED INDUCTANCE MICROHENRIES ( $\frac{43}{64}$ H )	CALCULATED RESISTANCE OHMS ( * )	REQUIRED # OF TURNS
1. WB LT CD	2	6 X 500	835.3	2.7	3-6-3
2. WB THRU CD	2	6 X 500	835.3	2.7	3-6-3
3. WB RT CD	2	6 X 500	835.3	2.7	3-6-4

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

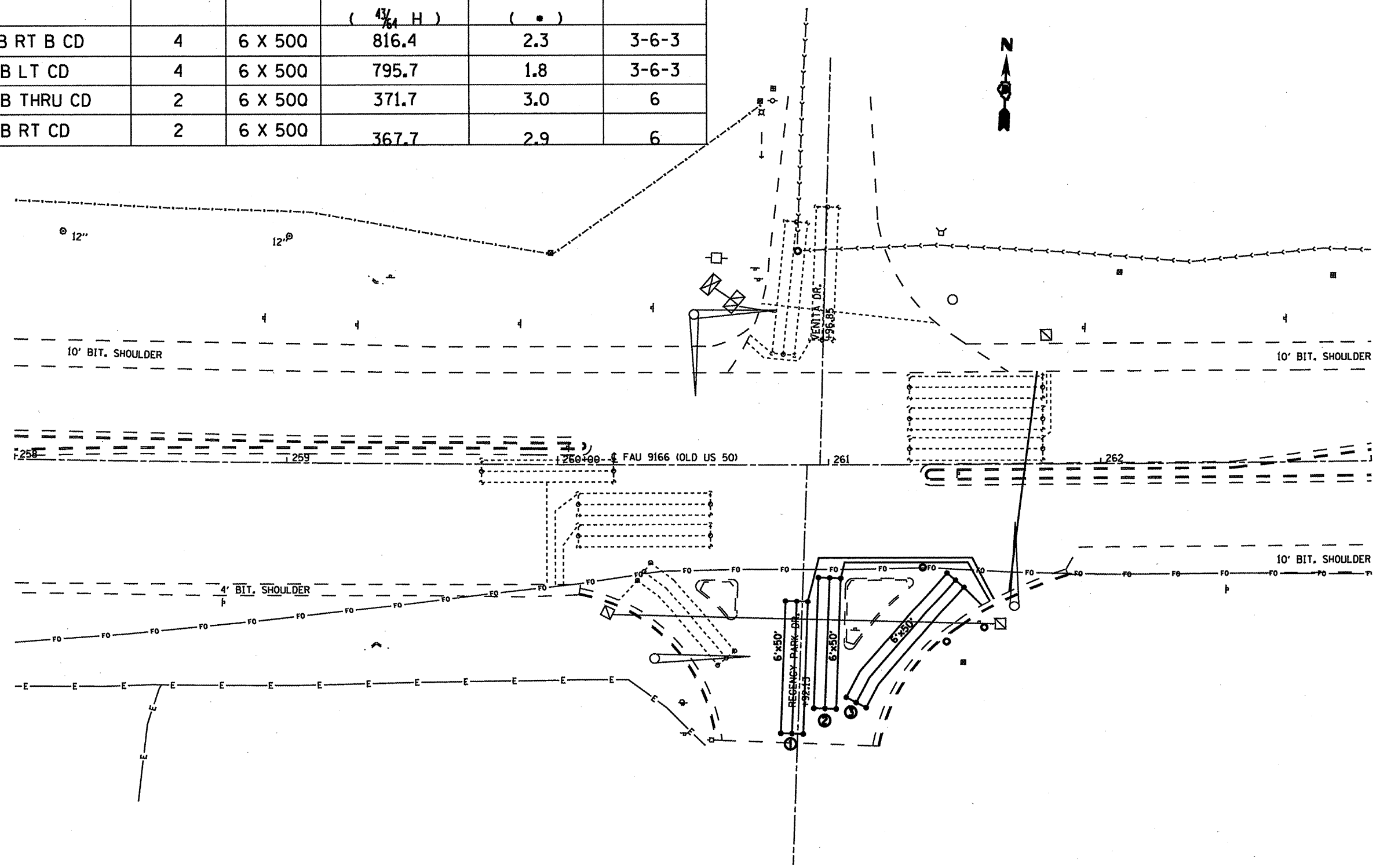
**TRAFFIC SIGNALS  
I-64 WB RAMPS @ US 50**

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	50
			CONTRACT NO. 76069	
ILLINOIS FED. AID PROJECT				

FAU 9331/FAU 9166

LOOP	PHASE (*)	FT. X FT.	CALCULATED INDUCTANCE MICROHENRIES ( $\frac{4\pi}{10^7} H$ )	CALCULATED RESISTANCE OHMS ( $\bullet$ )	REQUIRED # OF TURNS
1. EB RT B CD	4	6 X 500	816.4	2.3	3-6-3
2. NB LT CD	4	6 X 500	795.7	1.8	3-6-3
3. NB THRU CD	2	6 X 500	371.7	3.0	6
4. NB RT CD	2	6 X 500	367.7	2.9	6



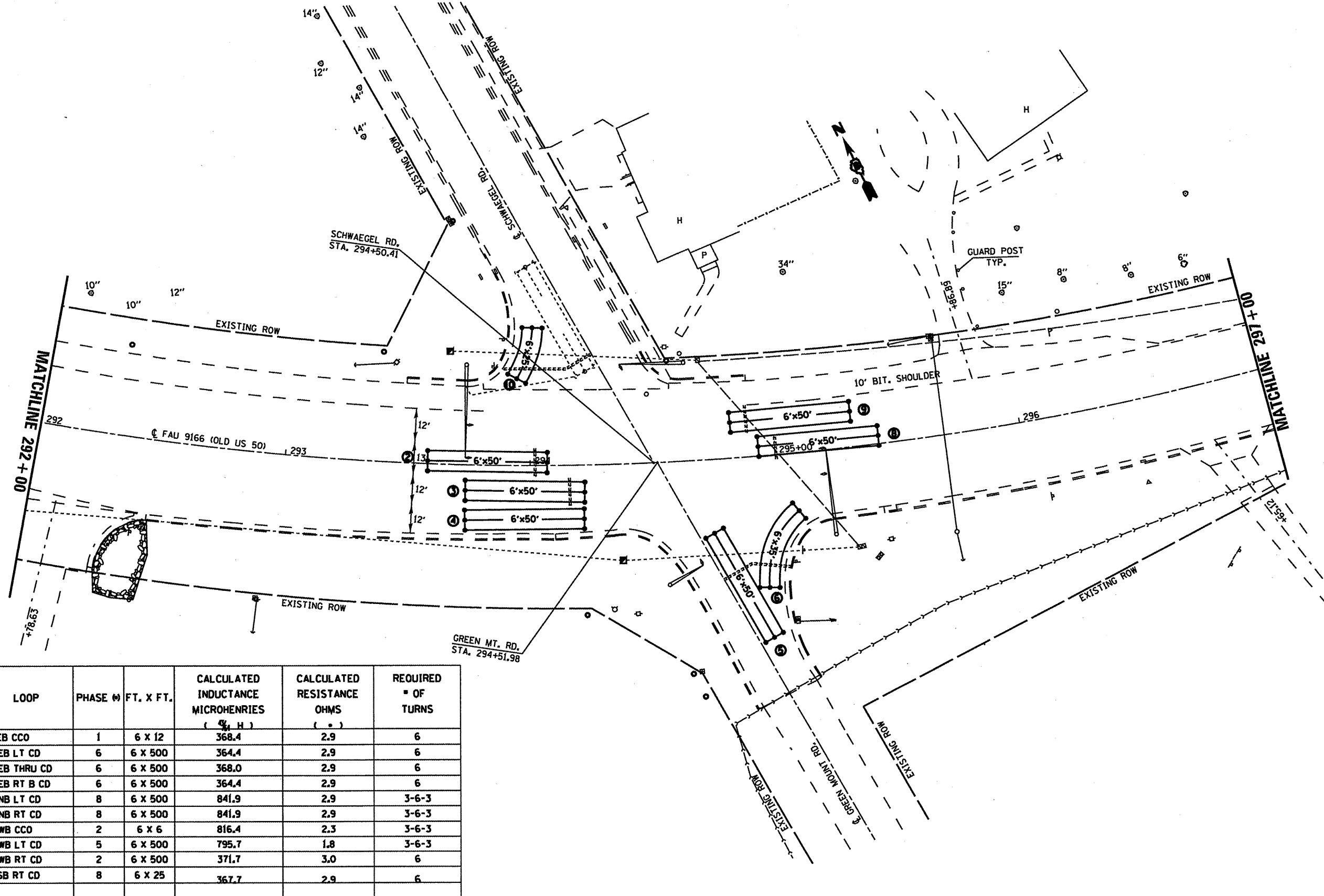
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNALS  
US 50 @ REGENCY PARK

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

FAU 9351/FAU 9166				
FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	51
		CONTRACT NO. 76069		
ILLINOIS FED. AID PROJECT				



LOOP	PHASE (N)	FT. X FT.	CALCULATED INDUCTANCE MICROHENRIES (μH)	CALCULATED RESISTANCE OHMS (Ω)	REQUIRED # OF TURNS
1. EB CCO	1	6 X 12	368.4	2.9	6
2. EB LT CD	6	6 X 500	364.4	2.9	6
3. EB THRU CD	6	6 X 500	368.0	2.9	6
4. EB RT B CD	6	6 X 500	364.4	2.9	6
5. NB LT CD	8	6 X 500	841.9	2.9	3-6-3
6. NB RT CD	8	6 X 500	841.9	2.9	3-6-3
7. WB CCO	2	6 X 6	816.4	2.3	3-6-3
8. WB LT CD	5	6 X 500	795.7	1.8	3-6-3
9. WB RT CD	2	6 X 500	371.7	3.0	6
10. SB RT CD	8	6 X 25	367.7	2.9	6

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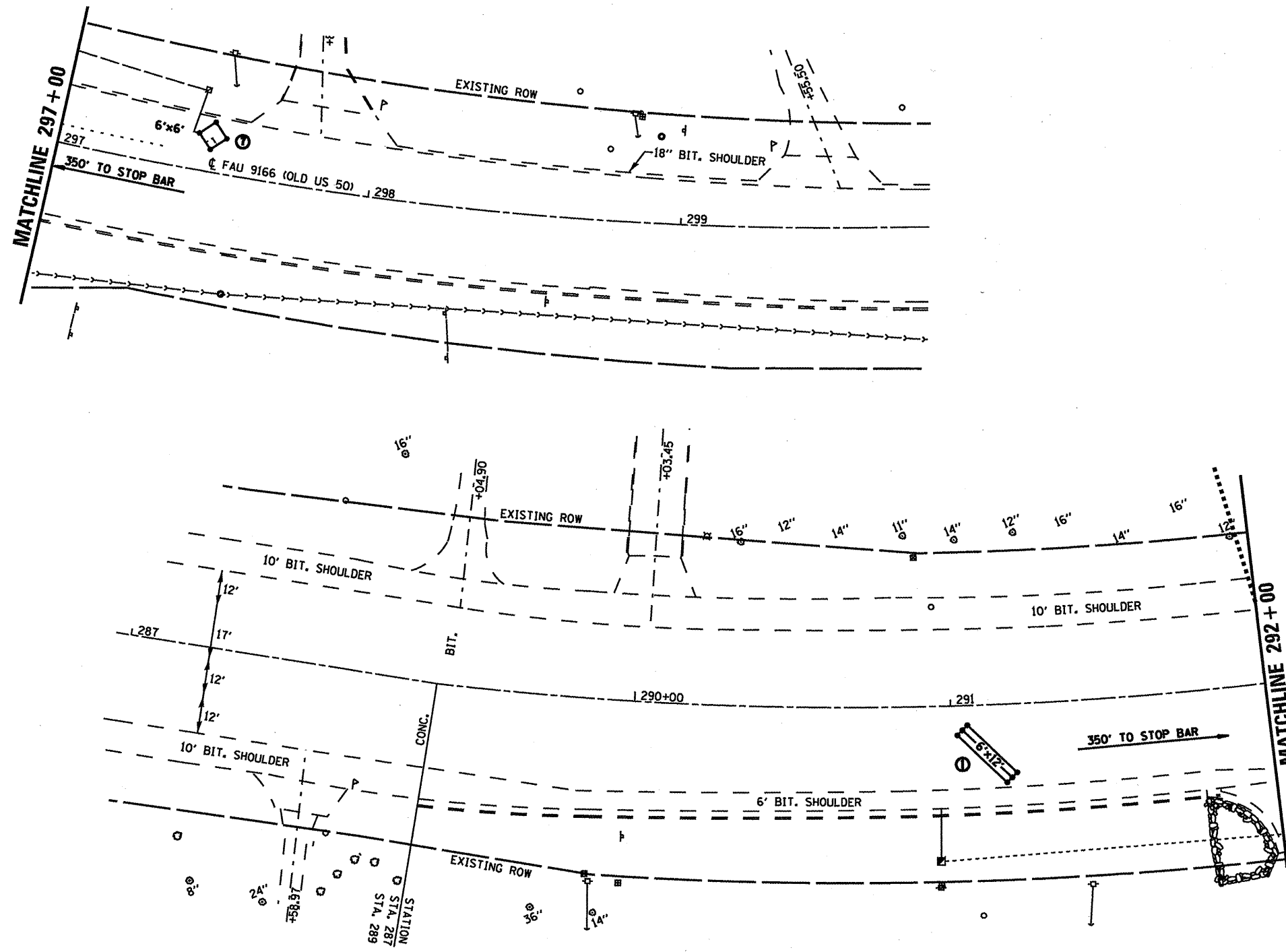
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNALS  
US 50 @ SCHWAEDEL/GREEN MOUNT RD.

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
32RS-3, 31RS-3, 1RS-1		ST. CLAIR	56	52
CONTRACT NO. T6D69				
ILLINOIS FED. AID PROJECT				

FAU 9351/FAU 9166



• FAU 9331/FAU 9166

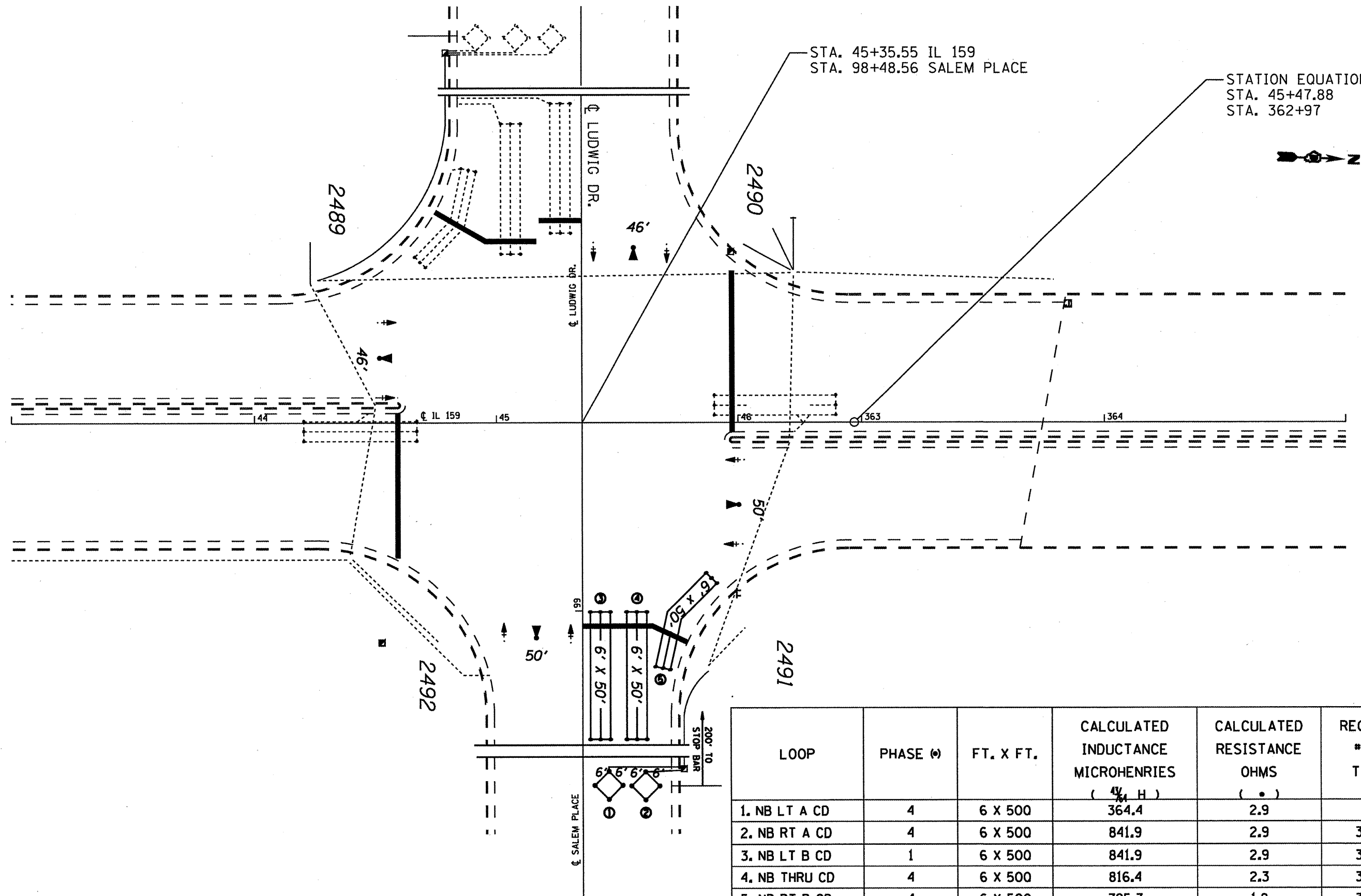
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNALS  
US 50 @ SCHWAEGEL/GREEN MOUNT RD.**

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	53
CONTRACT NO. 76069			ILLINOIS FED. AID PROJECT	



LOOP	PHASE (°)	FT. X FT.	CALCULATED INDUCTANCE MICROHENRIES ( $\frac{4}{100} H$ )	CALCULATED RESISTANCE OHMS ( $\cdot$ )	REQUIRED # OF TURNS
1. NB LT A CD	4	6 X 500	364.4	2.9	6
2. NB RT A CD	4	6 X 500	841.9	2.9	3-6-3
3. NB LT B CD	1	6 X 500	841.9	2.9	3-6-3
4. NB THRU CD	4	6 X 500	816.4	2.3	3-6-3
5. NB RT B CD	4	6 X 500	795.7	1.8	3-6-3

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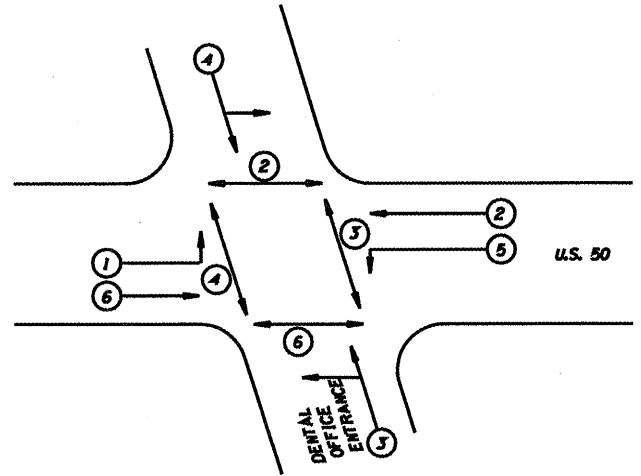
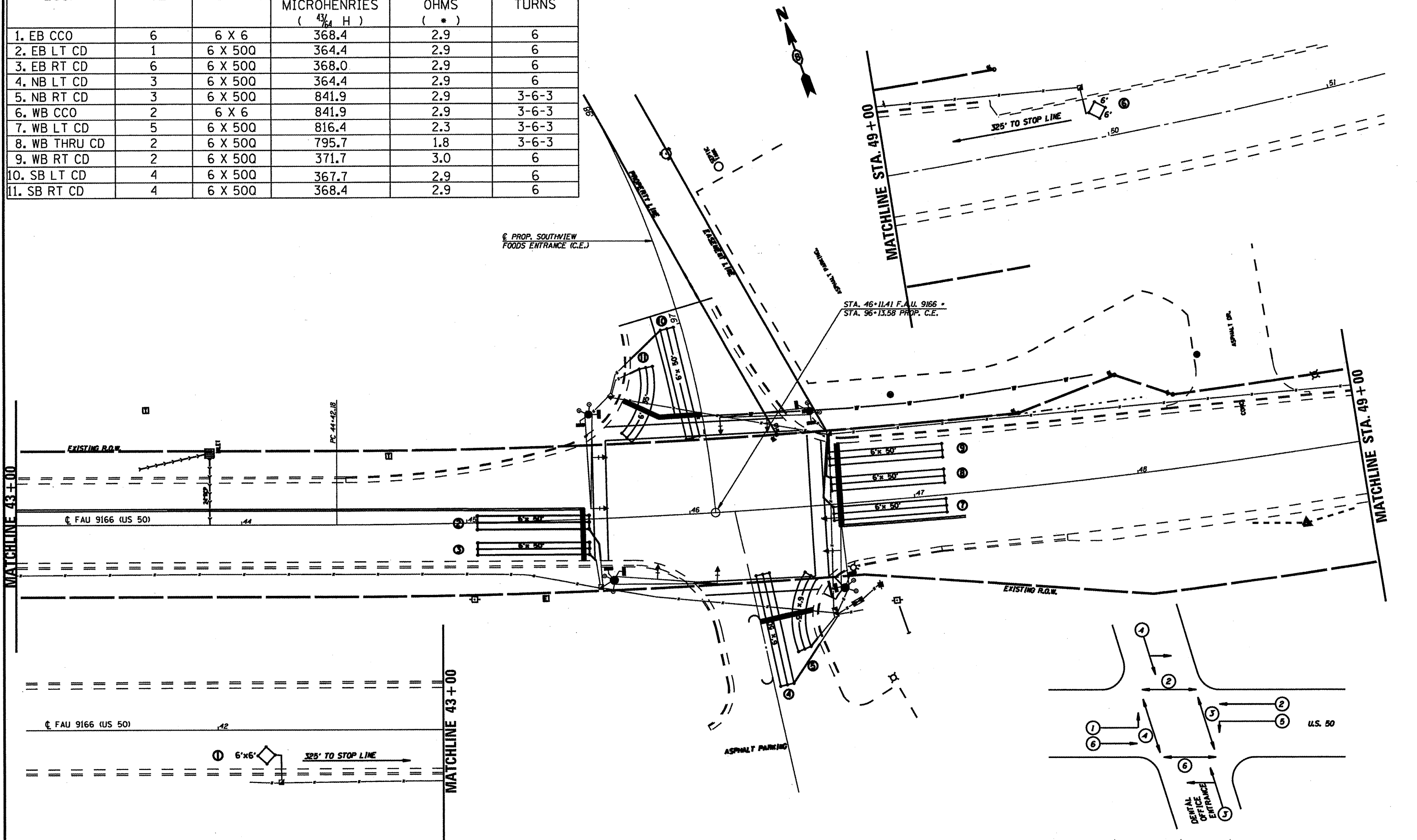
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNALS**  
IL 159 @ LUDWIG DR./SALEM PL.

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

FAU 9331/FAU 9166		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU RTE.	32RS-3, 31RS-3, 1RS-1	ST. CLAIR	56	54	
CONTRACT NO. T6D69				ILLINOIS FED. AID PROJECT	

LOOP	PHASE (#)	FT. X FT.	CALCULATED INDUCTANCE MICROHENRIES ( $\frac{43}{764} H$ )	CALCULATED RESISTANCE OHMS (*)	REQUIRED # OF TURNS
1. EB CCO	6	6 X 6	368.4	2.9	6
2. EB LT CD	1	6 X 500	364.4	2.9	6
3. EB RT CD	6	6 X 500	368.0	2.9	6
4. NB LT CD	3	6 X 500	364.4	2.9	6
5. NB RT CD	3	6 X 500	841.9	2.9	3-6-3
6. WB CCO	2	6 X 6	841.9	2.9	3-6-3
7. WB LT CD	5	6 X 500	816.4	2.3	3-6-3
8. WB THRU CD	2	6 X 500	795.7	1.8	3-6-3
9. WB RT CD	2	6 X 500	371.7	3.0	6
10. SB LT CD	4	6 X 500	367.7	2.9	6
11. SB RT CD	4	6 X 500	368.4	2.9	6



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNALS  
US 50 @ SCHNUCK'S ENTRANCE**

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	32RS-3, 3IRS-3, 1RS-1	ST. CLAIR	56	95
ILLINOIS FED. AID PROJECT				

\* FAU 9331/FAU 9166

CONTRACT NO. 76069

	ITEM	UNIT	TOTAL	3 <sup>rd</sup>	LINCOLN	SMILEY	TIMBER	I-64	REGENCY PARK	GREEN	SCHNUCKS	SALEM PLACE
			QUANTITIES	STREET		CREEK	WB RAMPS		MOUNT RD.	ENTRANCE		
<del>80308100</del>	LOCATING UNDERGROUND CABLE	FOOT	305	30	30	50	30	15	20	50	55	25
<del>88606600</del>	DETECTOR LOOP REPLACEMENT	FOOT	9197	677	994	1324	750	555	826	1523	1644	904

NOTES:

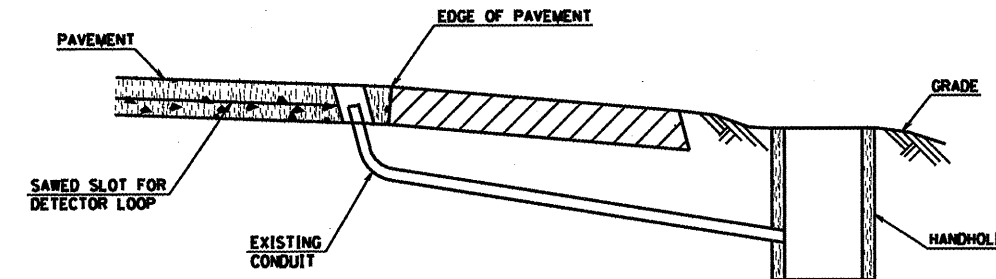
SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS" FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.

SEE "ELECTRICAL DETAIL" FOR INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUITS.

STANDARDS  
886001-01  
886006-01

TRAFFIC SIGNALS LEGEND

- EVPS EMERGENCY VEHICLE PRIORITY SYSTEM
- GSC GALVANIZED STEEL CONDUIT
- PVCC POLYVINYL CHLORIDE CONDUIT
- UD UNIT-DUCT
- EXISTING SIGNAL POST
- EXISTING SIGNAL POST WITH BACKPLATE
- EXISTING TRAFFIC SIGNAL MAST ARM
- EXISTING HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING HEAVY DUTY HANDHOLE
- EXISTING DETECTOR LOOP
- EXISTING CONTROLLER
- EXISTING STREET NAME SIGN/TRAFFIC SIGN
- EXISTING ILLUMINATED SIGN
- EXISTING SERVICE INSTALLATION
- EXISTING EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- EXISTING (E.V.P.S.) CONFIRMATION BEACON
- EXISTING SIGNAL HEAD, PEDESTRIAN
- EXISTING PEDESTRIAN PUSHBUTTON DETECTOR
- EXISTING GALVANIZED STEEL CONDUIT
- PROPOSED SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
- PROPOSED EMERGENCY VEHICLE SYSTEM DETECTOR (E.V.P.S.)
- PROPOSED (E.V.P.S.) CONFIRMATION BEACON
- PROPOSED HANDHOLE
- PROPOSED DOUBLE HANDHOLE
- PROPOSED HEAVY DUTY HANDHOLE
- PROPOSED DETECTOR LOOP
- PROPOSED CONTROLLER
- PROPOSED PEDESTRIAN PUSHBUTTON DETECTOR
- PROPOSED SIGNAL HEAD, PEDESTRIAN
- PROPOSED CONDUIT: "T" TRENCH, "P" PUSH SIZE SPECIFIED
- PROPOSED STREET NAME SIGN/TRAFFIC SIGN
- PROPOSED ILLUMINATED SIGN
- PROPOSED SERVICE INSTALLATION
- PROPOSED SIGNAL POST
- PROPOSED SIGNAL POST WITH BACKPLATE



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, TYPE 1"

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ELECTRICAL LEGNEDS, NOTES AND DETAILS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9166	32RS-3, 3IRS-3, IRS-1	ST. CLAIR	56	56
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76069	

SHEET NO. OF SHEETS