

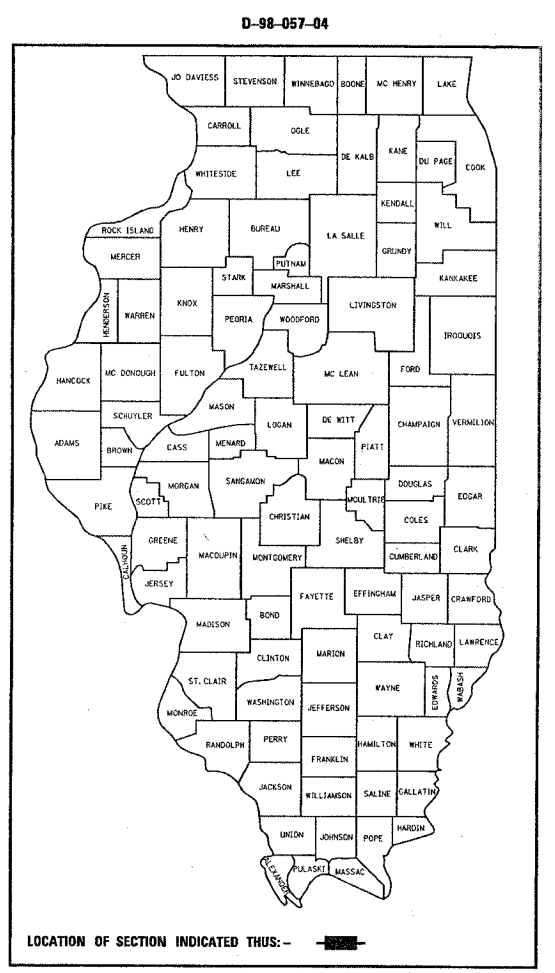
FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	132-31, 133RS-5	MADISON	29	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

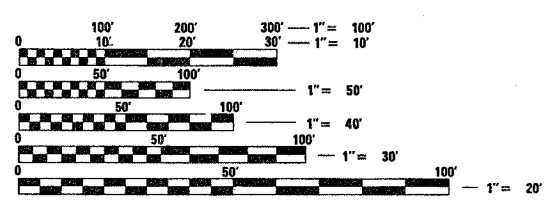
FAP ROUTE 785 (IL 111 & IL 140)  
SECTION 132-31, 133RS-5  
PROJECT: HS-0785(023)  
MADISON COUNTY  
C-98-067-04

FOR INDEX OF SHEETS, SEE SHEET NO. 2



PROJECT ENGINEER: PATTI LeBEAU (618)346-3179  
SQUAD LEADER: CHERYL KEPLAR (618)346-3186

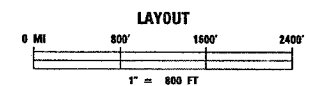
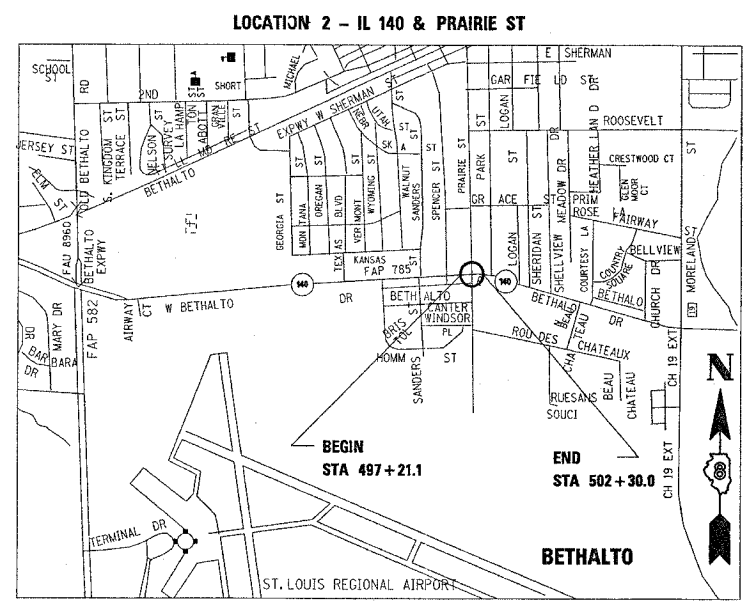
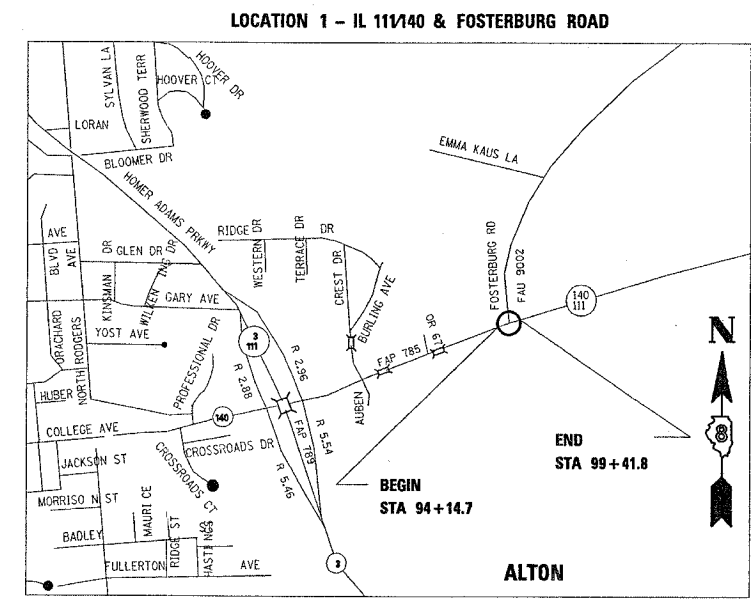
MICROFILMED \_\_\_\_\_  
REEL NUMBER \_\_\_\_\_  
AWARDED \_\_\_\_\_  
RESIDENT ENGINEER \_\_\_\_\_  
AS BUILT CHANGES WERE MADE  
ON THE FOLLOWING SHEETS



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

CONTRACT NO. 76796



**ADT**  
LOC 1: IL 111/140 @ FOSTERBURG RD  
2004 - 26400, 2024 - 32850  
S.U. - 4.1%, M.U. - 1.8%  
LOC 2: IL 140 @ PRAIRIE ST  
2004 - 20200, 2024 - 30000  
S.U. - 4.1%, M.U. - 1.8%

**LAT/LONG COORDINATES**  
LOC 1  
BEGIN - LAT: 38.90664 /LONG: -90.12510  
END - LAT: 38.90755 /LONG: -90.12255  
LOC 2  
BEGIN - LAT: 38.90128 /LONG: -90.04145  
END - LAT: 38.90120 /LONG: -90.03992

**FUNCTIONAL CLASSIFICATION & PROJECT LENGTH**  
LOC 1: IL 111/140 @ FOSTERBURG ROAD - OTHER PRINCIPAL ARTERIAL  
GROSS LENGTH - 521.7 FT (0.100 MI), NET LENGTH - 521.7 FT (0.100 MI)  
LOC 2: IL 140 @ PRAIRIE STREET - OTHER PRINCIPAL ARTERIAL  
GROSS LENGTH - 508.9 FT (0.096 MI), NET LENGTH - 508.9 FT (0.096 MI)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
SUBMITTED February 10, 2005  
Mary C. Donie  
DEPUTY DIRECTOR OF HIGHWAYS  
REGION 5 ENGINEER  
March 25, 2005  
Mike Neill  
ENGINEER OF DESIGN AND ENVIRONMENT  
March 25, 2005  
Victor Modest  
DIRECTOR, DIVISION OF HIGHWAYS

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OF THE STATE OF ILLINOIS**

### GENERAL NOTES

- 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.
- EXCEPT WHERE DESIGNATED OTHERWISE, THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM OFFICE RECORD INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND		BELOW GROUND	
	ABOVE GROUND	BELOW GROUND	ABOVE GROUND	BELOW GROUND
*CITY OF ALTON (WATER & SANITARY SEWER)				X
*AMEREN-UE (GAS & ELECTRIC)	X			X
*AT&T CORPORATION (COMMUNICATIONS)				X
*VILLAGE OF BETHALTO (WATER & SANITARY SEWER)				X
*CHARTER COMMUNICATIONS, INC (CABLE TV)	X			X
*ILLINOIS AMERICAN WATER CO. (WATER)				X
*AMEREN IP (GAS & ELECTRIC)	X			X
*SBC (COMMUNICATIONS)	X			X

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

- THE CONTRACTOR SHALL BE AWARE THAT THERE ARE MANHOLES & VALVES LOCATED WITHIN THE RESURFACING LIMITS. CARE SHALL BE TAKEN IN THESE LOCATIONS DURING MILLING OPERATIONS.
- THE THICKNESS OF THE BITUMINOUS MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
- THE THICKNESS OF BITUMINOUS SURFACE REMOVAL IS THE REMOVAL DEPTH AT THE CENTERLINE. THE REMOVAL DEPTH VARIES FROM 2" TO 2.5". AN ESTIMATED 330 TONS OF BITUMINOUS SURFACE WILL BE REMOVED.  
SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED, AND FINAL BITUMINOUS SURFACE. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS.
- POLYUREA PAVEMENT MARKING SHALL BE USED ON ALL CONCRETE SURFACES. THERMOPLASTIC PAVEMENT MARKING SHALL BE USED ON ALL BITUMINOUS SURFACES.

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

MIXTURE REQUIREMENTS					
MIXTURE USE	SURFACE	LEVEL BINDER	BINDER	SHOULDERS	TOP LIFT SHOULDERS
AC/PG	SBS-PG 70-22	PG 64-22	PG 64-22	PG 58-22	PG 58-22
RAP % (MAX)	0%	10%	10%	30%	30%
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	2.0% @ Ndes=30	1.5% @ N=30
MIX COMPOSITION (GRADATION MIXTURE)			IL 19.0		
FRICTION AGGREGATE	MIXTURE F	MIXTURE C	MIXTURE B	BAM	BAM

\*PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (59.8 KG/SQ M/25MM THICKNESS).

- STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER, AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE, SILT PANELS, ROLLED EXCELSIOR, SILT WEDGES, OR ANY OTHER MATERIAL APPROVED BY THE ENGINEER.  
NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
- 'ROAD CONSTRUCTION AHEAD' SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE.
- THE CONTRACTOR SHALL FURNISH AND INSTALL WOOD SIGN POST SUPPORTS IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS. HOWEVER, INSTALLATION BY METHOD A (ART. 730.04(a)) SHALL BE THE ONLY METHOD PERMITTED.
- FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE APPLIED.
- ALL TRAFFIC CONTROL DEVICES SHALL BE SKID MOUNTED
- EXCAVATION ADJACENT TO EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH STEADY BURN LIGHTS.
- THE ENTRANCE AT STA 97+76 SHALL REMAIN OPEN UNTIL THE NEW ENTRANCE AT STA 96+61.31 HAS BEEN COMPLETED AND CAN BE OPENED TO TRAFFIC.
- THE COST OF CAPPING ANY UNDERDRAIN LATERALS ENCOUNTERED SHALL BE INCLUDED IN THE COST OF PIPE UNDERDRAINS.
- THE PIPE CULVERT AT STA 96+61.3 SHALL BE CORRUGATED METAL.

### INDEX OF SHEETS

- COVER SHEET
- INDEX OF SHEETS, GENERAL NOTES, & STANDARDS
- SUMMARY OF QUANTITIES
- MISCELLANEOUS SCHEDULES
- TYPICAL SECTIONS
- TIE POINTS
- PLAN VIEW - LOCATION 1
- PAVEMENT MARKING - LOCATION 1
- PLAN VIEW - LOCATION 2
- ELECTRICAL PLANS
- SOIL BORINGS
- MISCELLANEOUS DETAILS
- CROSS SECTIONS

### COMMITMENTS

THERE ARE NO COMMITMENTS.

### STANDARDS

000001-04	701426-02
001001	701502-01
001006	702001-05
420101-02	720001
482006-01	720006
601001	720016-01
601101	780001-01
701101-01	781001-02
701106-01	877001-02
701301-02	878001-03
701311-02	886001
701421-01	886006

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**INDEX OF SHEETS  
GENERAL NOTES &  
STANDARDS**  
FAP ROUTE 785  
SECTION 132-31, 133RS-5  
MADISON COUNTY

DRAWN BY:

PLOT DATE: Wednesday February 09, 2005 @ 3:32:21 PM

DATE	BY	REVISION

# SUMMARY OF QUANTITIES

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-31, 133RS-5	MADISON	29	3
STA.		TO STA.		
CONTRACT NO.: 76796				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	LOCATION 1 IL 111 @ FOSTERBURG RD URBAN		LOCATION 2 IL 140 @ PRAIRIE ST URBAN	
				J000-2A 90% FEDERAL, 10% STATE	Y031-1F 90% FEDERAL 5% STATE 5% CITY	J000-2A 90% FEDERAL, 10% STATE	Y031-1F 90% FEDERAL, 10% STATE
CODE NO	ITEM	UNIT					
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	19	19			
20200100	EARTH EXCAVATION	CU YD	110	110			
20200500	EARTH EXCAVATION (WIDENING)	CU YD	70	70			
20400800	FURNISHED EXCAVATION	CU YD	445	445			
25000210	SEEDING, CLASS 2A	ACRE	0.5	0.5			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45	45			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45	45			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45	45			
25100115	MULCH, METHOD 2	ACRE	0.5	0.5			
28000300	TEMPORARY DITCH CHECKS	EACH	6	6			
31200100	STABILIZED SUB-BASE 4"	SQ YD	665	665			
35101400	AGGREGATE BASE COURSE, TYPE B	TON	95	95			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	2.2	1		1.2	
40600300	AGGREGATE (PRIME COAT)	TON	8	2.2		5.8	
40600990	TEMPORARY RAMP	SQ YD	315	99		216	
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	576.1	576.1			
44000007	BITUMINOUS SURFACE REMOVAL 2"	SQ YD	525	525			
44000008	BITUMINOUS SURFACE REMOVAL 2 1/2"	SQ YD	1937			1937	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	379.3	379.3			
44004250	PAVED SHOULDER REMOVAL	SQ YD	697	697			
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	142	142			
48101200	AGGREGATE SHOULDERS, TYPE B	TON	98	98			
48202600	BITUMINOUS SHOULDERS SUPERPAVE 8"	SQ YD	393	393			
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2			
50105220	PIPE CULVERT REMOVAL	FOOT	60	60			
542D1060	PIPE CULVERTS, CLASS D, TYPE 2 15"	FOOT	66	66			
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	1	1			
60107600	PIPE UNDERDRAINS 4"	FOOT	531	531			
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	20	20			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	106	106			
* 66900450	SPECIAL WASTE PLANS AND REPORT	L SUM	1	1			
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1			

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**  
 FAP ROUTE 785  
 SECTION 132-31, 133RS-5  
 MADISON COUNTY  
 DRAWN BY:

\* SPECIALTY ITEMS

2/9/2005 3:32:15 PM  
 Wednesday, February 09, 2005 @ 3:32:15 PM  
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# SUMMARY OF QUANTITIES

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-31, 133RS-5	MADISON	29	4
STA.		TO STA.		
CONTRACT NO.: 76796				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	LOCATION 1 IL 111 @ FOSTERBURG RD URBAN		LOCATION 2 IL 140 @ PRAIRIE ST URBAN	
				J000-2A 90% FEDERAL, 10% STATE	Y031-1F 90% FEDERAL, 5% STATE 5% CITY	J000-2A 90% FEDERAL, 10% STATE	Y031-1F 90% FEDERAL, 10% STATE
CODE NO	ITEM	UNIT					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	2		5	
67100100	MOBILIZATION	L SUM	1	0.5		0.5	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1			
70100330	TRAFFIC CONTROL AND PROTECTION, STANDARD 701426	L SUM	1	1			
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1			1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	448	194		254	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3379	1455		1924	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	191	191			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	422	126		296	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	73	15		58	
70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	187	125		62	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	56.6	28.6		28	
72000100	SIGN PANEL - TYPE 1	SQ FT	12	7	5		
72000200	SIGN PANEL - TYPE 2	SQ FT	15		15		
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	5		5		
72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	15		15		
73000100	WOOD SIGN SUPPORT	FOOT	16	16			
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	187.2	124.8		62.4	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2665	741		1924	
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	191	191			
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	422	126		296	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	73	15		58	
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	714	714			
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	60	29		31	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	405.2	405.2			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	60	29		31	
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	100		100		
* 81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	6		6		

\* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## SUMMARY OF QUANTITIES

FAP ROUTE 785  
SECTION 132-31, 133RS-5  
MADISON COUNTY

DRAWN BY:

# SUMMARY OF QUANTITIES

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-31, 133RS-5	MADISON	29	5
STA.		TO STA.		
CONTRACT NO.: 76796				

SUMMARY OF QUANTITIES			LOCATION 1 IL 111 @ FOSTERBURG RD URBAN		LOCATION 2 IL 140 @ PRAIRIE ST URBAN		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	J000-2A 90% FEDERAL, 10% STATE	Y031-1F 90% FEDERAL 5% STATE 5% CITY	J000-2A 90% FEDERAL, 10% STATE	Y031-1F 90% FEDERAL, 10% STATE
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	40		40		
81400100	HANDHOLE	EACH	1	1			
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	46		46		
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	233		233		
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	256		256		
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	152		152		
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	189		189		
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1		1		
87700320	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1		1		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3		3		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15		15		
87900100	DRILL EXISTING FOUNDATION	EACH	1		1		
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	2		2		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1080		348		732
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1188		1188		
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	158		158		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1		
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5		5		
X4066548	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90	TON	255	92		163	
X4066775	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N90	TON	109			109	
X4069105	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N90 9"	SO YD	146	146			
X4402810	ISLAND SURFACE REMOVAL AND REPLACEMENT	SO FT	581		581		
* X8801300	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2		
X8801310	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1		1		
X8801400	SIGNAL HEAD ,POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1		1		

\* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**  
 FAP ROUTE 785  
 SECTION 132-31, 133RS-5  
 MADISON COUNTY  
 DRAWN BY:

2/1/2005 Wednesday February 09, 2005 @ 3:32:00 PM  
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FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-3I, 133RS-5	MADISON	29	6
STA.		TO STA.		
CONTRACT NO.: 76796				

PAVING SCHEDULE

LOCATION	BITUMINOUS SURFACE REMOVAL, 2"	BITUMINOUS SURFACE REMOVAL, 2 1/2"	PAVED SHOULDER REMOVAL	BITUMINOUS MATERIALS, PRIME COAT	AGGREGATE PRIME COAT	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N90	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90	STABILIZED SUB-BASE 4"	AGGREGATE BASE COURSE, TYPE B	PCC PAVEMENT, 10" (JOINTED)	STRIP REFLECTIVE CRACK CONTROL TREATMENT	BITUMINOUS SHOULDERS SUPERPAVE, 8"	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N90 9"
STA TO STA	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	SQ YD	TON	SQ YD	FOOT	SQ YD	SQ YD
LOCATION 1													
IL 111/140													
94+14.7 TO 98+00.			591					665		576.1		393	
98+00. TO 99+41.9													
FOSTERBURG RD													
15+40.2 TO 18+00.			106	0.16	0.79		44				142		146
18+00. TO 20+00.	525.0												
ENTRANCE													
96+61. TO 97+8.7				0.88	1.42		48		95				
LOCATION 2													
497+21. TO 500+00.		1050		0.66	3.16	58.8	88.2						
500+00. TO 502+30.		887		0.56	2.66	49.7	74.5						
TOTAL	525	1937	697	2.2	8.0	109	255	665	95	576.1	142	393	146

PAVEMENT MARKING SCHEDULE

LOCATION	PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING										POLYUREA PAVEMENT MARKING			RAISED REFLECTIVE PAVEMENT MARKERS			
		LINES										LINE			REMOVAL	ONE WAY CRYSTAL	ONE WAY AMBER	TWO WAY AMBER
		4"		8"	12"			24"	LETTERS & SYMBOLS		4"							
STA TO STA	SQ FT	SOLID WHITE EDGE LINE	SOLID WHITE LANE LINE	SOLID DOUBLE YELLOW LINE	SOLID WHITE LINE	SOLID WHITE CROSSWALK	SOLID YELLOW DIAGONAL	SOLID WHITE CHEVRON	STOP BAR	LEFT TURN ARROW	COMB LEFT TURN/THRU ARROW	SOLID WHITE EDGE LINE	SOLID WHITE LANE LINE	SOLID WHITE SKIP DASH	EACH	EACH	EACH	EACH
FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ YD	SQ YD	FOOT	FOOT	FOOT					
LOCATION 1																		
IL 111/140																		
94+14.7 TO 98+00.	176.6											388.1		40.0	8.0	8.0		
98+00. TO 99+41.9												143.0	142.6					
FOSTERBURG RD																		
15+40.2 TO 18+00.	228.6		259.8					125.8	31.2	52.0					21.0	21.0		
18+00. TO 20+00.		133.4	157.2						14.8	15.6	26.0							
LOCATION 2																		
497+21.1 TO 500+00.		313.8	120.0	745.0		83.0	53.0		25.0	31.2				18.0	4.0	8.0	6.0	
500+00. TO 502+30.		94.0	45.0	606.4		106.0	54.0		33.0	31.2				13.0	2.0	6.0	5.0	
SUB-TOTAL	405.2	541.2	582.0	1351.4		189.0	107.0	125.8	72.8	109.2	78.0	531.1	142.6	40.0	60.0	35.0	14.0	11.0
TOTAL	405.2		2475			422		73	187			714		60		60		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MISCELLANEOUS SCHEDULES**  
**LOCATIONS 1 & 2**  
 FAP ROUTE 785  
 SECTION 132-3I, 133RS-5  
 MADISON COUNTY  
 DRAWN BY:

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 PLAN NO. \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 RT. OF WAY CHECKED: \_\_\_\_\_  
 FIELD FILE NAME: \_\_\_\_\_

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	132-31, 133RS-5	MADISON	29	7
STA. TO STA.				
CONTRACT NO.: 76796				

**EARTHWORK SCHEDULE**

LOCATION			EARTH EXCAVATION (WIDENING)	EARTH EXCAVATION (WIDENING) ADJUSTED FOR SHRINKAGE	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
STA	TO	STA						
LOCATION 1								
IL 111/140			CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
94+00	TO	94+25	0.51	0.38	1.69	1.27	1.44	0.22
94+25	TO	94+50	1.21	0.90	3.09	2.32	4.12	-0.90
94+50	TO	94+75	1.55	1.16	2.78	2.09	6.15	-2.90
94+75	TO	95+00	2.02	1.52	3.12	2.34	8.41	-4.55
95+00	TO	95+25	2.16	1.62	2.66	1.99	10.99	-7.38
95+25	TO	95+50	2.01	1.51	1.25	0.94	12.66	-10.21
95+50	TO	95+75	2.05	1.53	0.32	0.24	13.80	-12.02
95+75	TO	96+00	2.09	1.56	0.00	0.00	16.61	-15.05
96+00	TO	96+25	2.59	1.95	0.00	0.00	19.40	-17.46
96+25	TO	96+50	3.03	2.27	0.00	0.00	49.35	-47.09
96+50	TO	96+75	3.09	2.32	0.00	0.00	76.67	-74.35
96+75	TO	97+00	3.06	2.29	0.07	0.05	48.46	-46.12
97+00	TO	97+25	2.69	2.01	0.80	0.60	21.46	-18.84
97+25	TO	97+50	2.30	1.73	12.21	9.16	16.57	-5.68
97+50	TO	97+75	2.08	1.56	28.11	21.08	13.39	9.25
97+75	TO	98+00	2.19	1.64	26.50	19.87	15.36	6.16
98+00	TO	98+25	2.61	1.95	10.15	7.61	26.74	-17.17
98+25	TO	98+50	2.88	2.16	0.55	0.41	37.15	-34.57
98+50	TO	98+75	2.67	2.00	0.27	0.20	38.43	-36.23
98+75	TO	99+00	2.29	1.72	0.04	0.03	41.84	-40.09
99+00	TO	99+25	2.65	1.98	0.06	0.05	42.84	-40.82
99+25	TO	99+50	2.73	2.05	0.49	0.36	36.89	-34.47
99+50	TO	99+75	3.45	2.59	7.09	5.32	17.05	-9.14
99+75	TO	100+00	5.38	4.04	7.43	5.57	0.94	8.67
100+00	TO	100+25	3.10	2.32	0.77	0.57	0.00	2.90
FOSTERBURG ROAD								
18+75	TO	19+00	1.48	1.11	0.00	0.00	0.00	1.11
192+00	TO	19+25	3.12	2.34	0.00	0.00	0.00	2.34
TOTAL			66.98	50.23	109.46	82.09	576.71	-444.38

LOCATION	PIPE UNDERDRAINS, 4"	PIPE UNDERDRAINS (SPECIAL)	CONCRETE HEADWALL FOR PIPE DRAINS
STA TO STA	FOOT	FOOT	EACH
LOCATION 1			
IL 111/140			
94+14. TO 98+00.	389	20	1
98+00. TO 99+41.	142		
TOTAL	531	20	1

LOCATION	OFFSET	TREE REMOVAL (6 TO 15 UNITS DIAMETER)
STATION	FOOT	UNIT
LOCATION 1		
IL 111/140		
96+98.3	101.5 (LT)	6
97+05.1	107.6 (LT)	13
TOTAL		19

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MISCELLANEOUS SCHEDULES**  
**LOCATIONS 1 & 2**

FAP ROUTE 785  
SECTION 132-31, 133RS-5  
MADISON COUNTY

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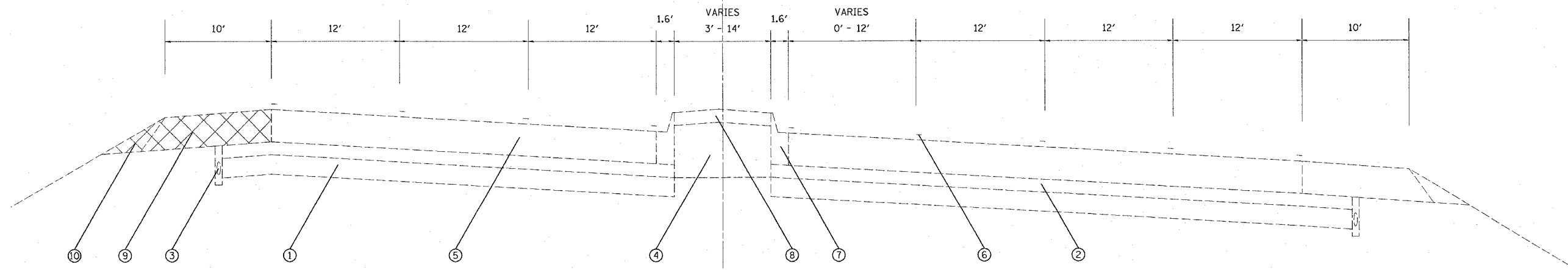
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PLAN SHEET NO. \_\_\_\_\_  
DATE \_\_\_\_\_  
BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_  
DATE \_\_\_\_\_  
NO. \_\_\_\_\_

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	132-31, 133RS-5	MADISON	29	8
STA. TO STA.		CONTRACT NO.: 76796		

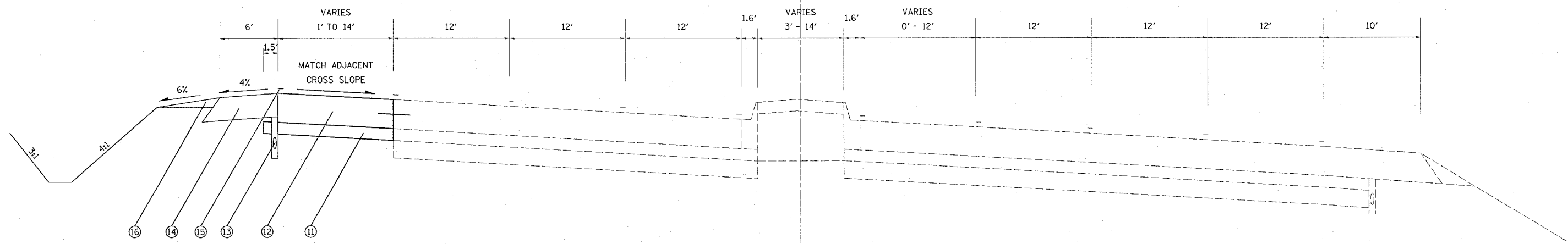
### LOCATION 1

IL 111/140



**EXISTING TYPICAL SECTION**  
STA. 94+14.7 TO STA. 99+41.8

IL 111/140



**PROPOSED TYPICAL SECTION**  
STA. 94+14.7 TO STA. 99+41.8

PLAN	DATE
NO. _____	BY _____
NO. _____	DATE _____
NO. _____	BY _____
NO. _____	DATE _____
NO. _____	BY _____
NO. _____	DATE _____

**LEGEND**

- |  |  |   |
|--|--|---|
| ① EXISTING LIME STABILIZED SUBBASE, 8" | ⑦ EXISTING CONCRETE CURB AND GUTTER TYPE M-6.12    | ⑬ PROPOSED PIPE UNDERDRAINS                           |
| ② EXISTING STABILIZED SUBBASE, 4"      | ⑧ EXISTING CONCRETE MEDIAN SURFACE, 4"             | ⑭ PROPOSED BITUMINOUS SHOULDERS, 8"                   |
| ③ EXISTING PIPE UNDERDRAINS            | ⑨ EXISTING BITUMINOUS SHOULDER, 8", TO BE REMOVED* | ⑮ PROPOSED POLYUREA PAVEMENT MARKING LINE, 4"         |
| ④ EXISTING SAND                        | ⑩ EXISTING AGGREGATE WEDGE, TO BE REMOVED*         | ⑯ PROPOSED AGGREGATE SHOULDER TYPE B                  |
| ⑤ EXISTING P.C.C. PAVEMENT 10"         | ⑪ PROPOSED STABILIZED SUBBASE, 4"                  | *REMOVAL ITEMS ARE FOR THE LEFT SIDE OF PAVEMENT ONLY |
| ⑥ EXISTING PAVEMENT MARKING, 4"        | ⑫ PROPOSED P.C.C. PAVEMENT, 10"                    |   |

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS**

**LOCATION 1**

**IL 111/140**

FAP ROUTE 785

SECTION 132-31, 133RS-5

MADISON COUNTY

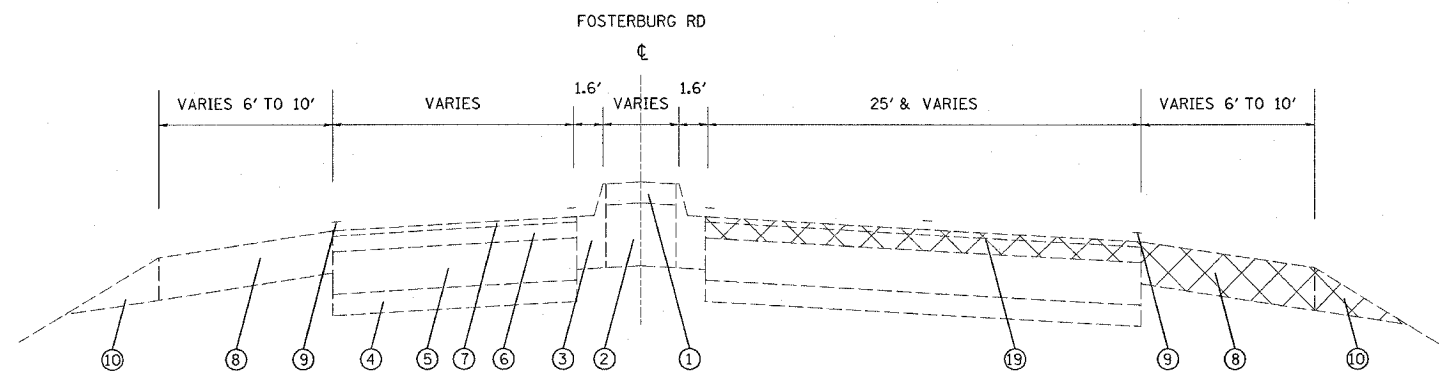
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FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	132-31, 133RS-5	MADISON	29	9
STA.		TO STA.		
CONTRACT NO.: 76796				

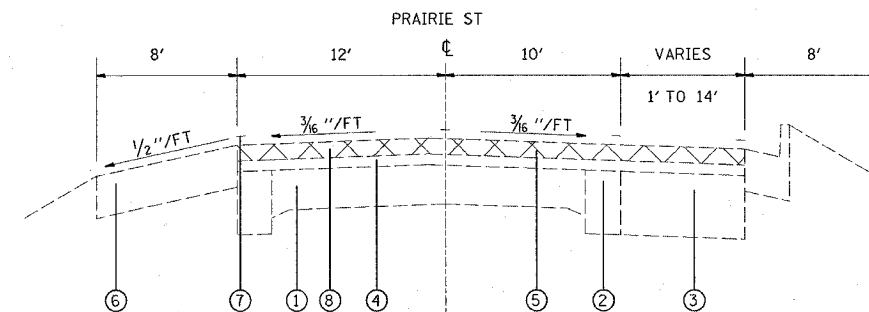
### LOCATION 1



**EXISTING TYPICAL SECTION**

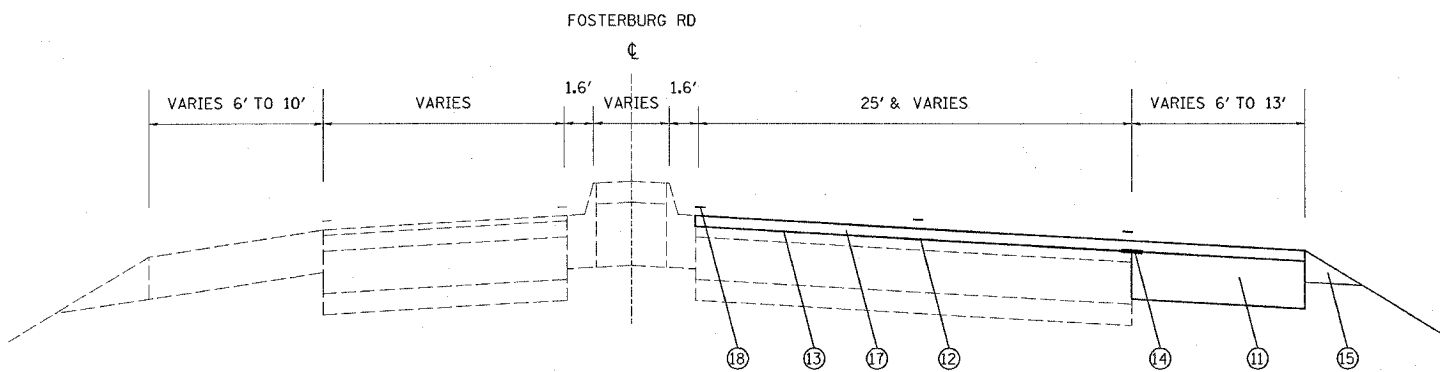
STA. 16+40.2 TO STA. 19+53.2

### LOCATION 2



**EXISTING TYPICAL SECTION**

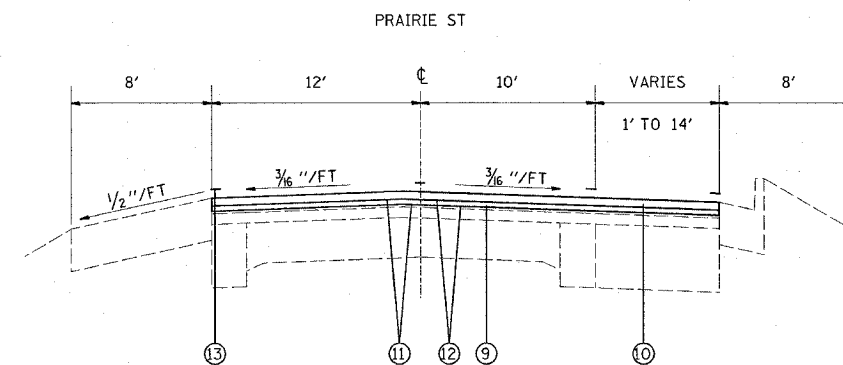
STA. 497+21.1 TO STA. 502+30.0



**PROPOSED TYPICAL SECTION**

STA. 16+40.2 TO STA. 19+32.7

(STA. 16+40.2 TO STA. 18+73.2 PAVEMENT MARKING ONLY)



**PROPOSED TYPICAL SECTION**

STA. 497+21.1 TO STA. 502+30.0

#### LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING WIDENING
- ③ EXISTING BITUMINOUS BASE COURSE, 12"
- ④ EXISTING BITUMINOUS CONCRETE BINDER, 2"
- ⑤ EXISTING BITUMINOUS SURFACE COURSE, 3"±
- ⑥ EXISTING BITUMINOUS SHOULDERS, 8"
- ⑦ EXISTING THERMOPLASTIC PAVEMENT MARKING LINE, 4"
- ⑧ PROPOSED BITUMINOUS SURFACE REMOVAL, 2 1/2"
- ⑨ PROPOSED LEVEL BINDER, MACHINE METHOD, SUPERPAVE MIX "C", N90 1"
- ⑩ PROPOSED POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "F", N90 1 1/2"
- ⑪ PROPOSED BITUMINOUS MATERIALS PRIME COAT
- ⑫ PROPOSED AGGREGATE PRIME COAT
- ⑬ PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE, 4"

- ① EXISTING CONCRETE MEDIAN SURFACE, 4"
- ② EXISTING SAND GRADE FA-1 OR FA-2
- ③ EXISTING CONCRETE CURB & GUTTER TYPE M-6.12
- ④ EXISTING STABILIZED SUBBASE, 4"
- ⑤ EXISTING STABILIZED BASE COURSE, 8"
- ⑥ EXISTING 3" BITUMINOUS CONCRETE BINDER COURSE, 3"
- ⑦ EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 1"
- ⑧ EXISTING BITUMINOUS SHOULDER, 8"
- ⑨ EXISTING THERMOPLASTIC PAVEMENT MARKING LINE, 4"
- ⑩ EXISTING AGGREGATE SHOULDER
- ⑪ PROPOSED BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, N90 9"
- ⑫ PROPOSED BITUMINOUS MATERIALS, PRIME COAT
- ⑬ PROPOSED AGGREGATE PRIME COAT
- ⑭ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑮ PROPOSED AGGREGATE SHOULDER, TYPE B
- ⑯ PROPOSED BITUMINOUS SHOULDERS, SUPERPAVE 8"
- ⑰ PROPOSED POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "F", N90 2"
- ⑱ PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE, 4"
- ⑲ PROPOSED BITUMINOUS SURFACE REMOVAL, 2"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

#### TYPICAL SECTIONS LOCATIONS 1 & 2

FAP ROUTE 785  
SECTION 132-31, 133RS-5  
MADISON COUNTY

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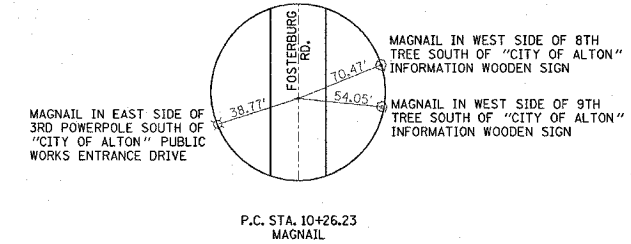
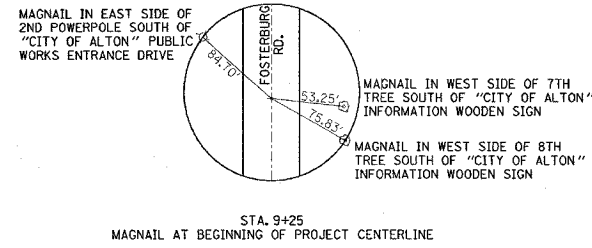
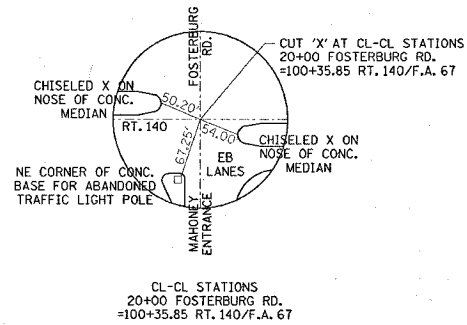
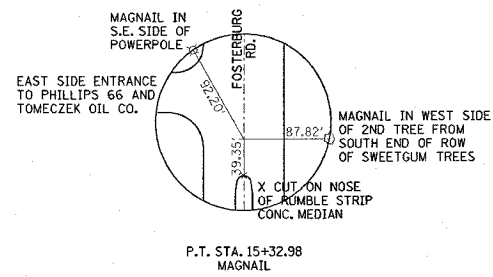
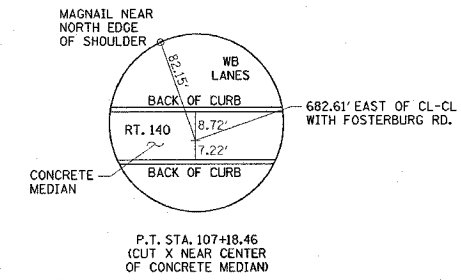
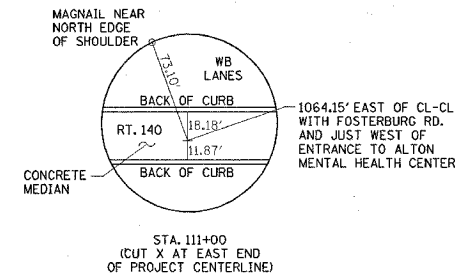
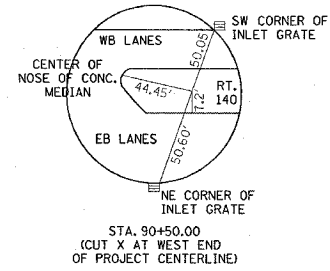
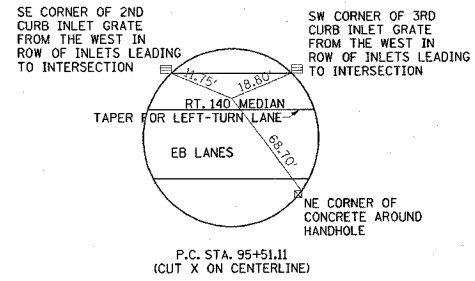
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FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-31, 133RS-5	MADISON	29	10
STA.		TO STA.		
CONTRACT NO.: 76796				

ALL TIES ARE DIRECT/SLOPE DISTANCES



DATE	BY	
APPROVED		
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TIE POINTS**

**LOCATION 1**

**IL 111/140**

FAP ROUTE 785

SECTION 132-31, 133RS-5

MADISON COUNTY

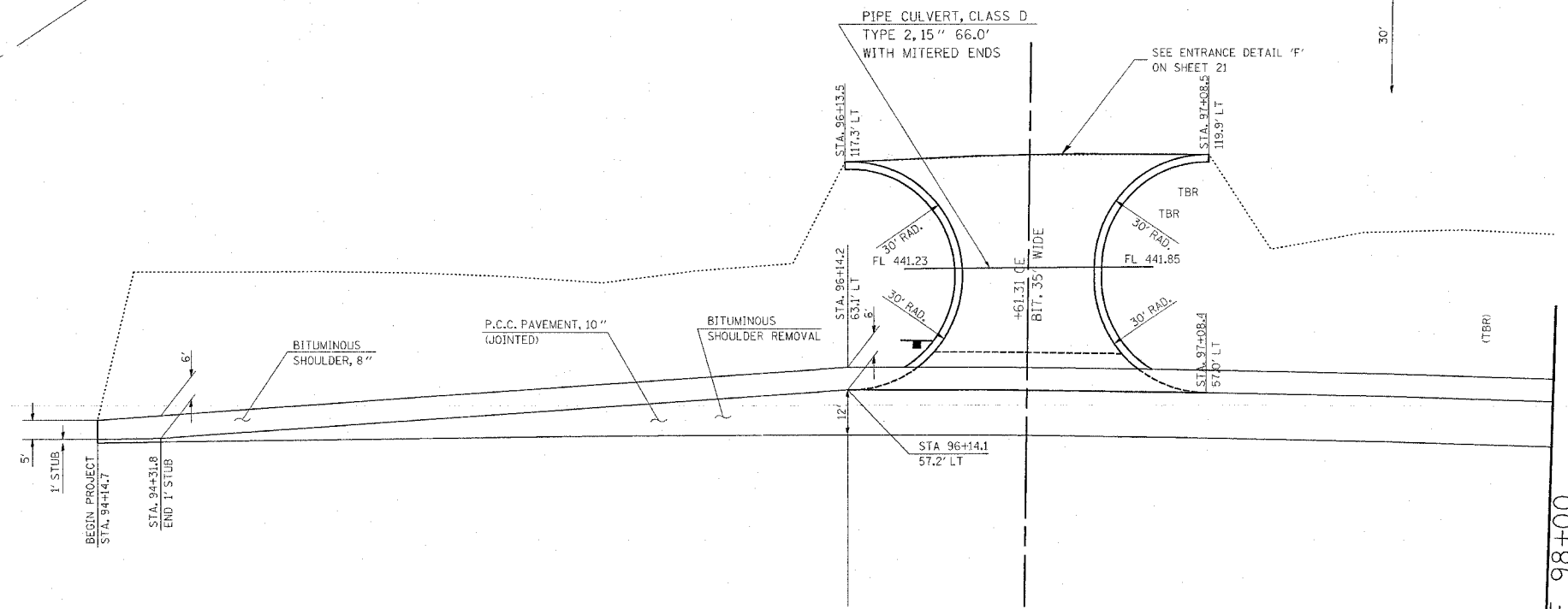
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STA.		TO STA.		
CONTRACT NO.: 76796				

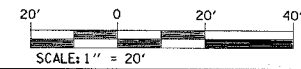
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IL 111



MATCHLINE 98+00



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAN VIEW**  
**LOCATION 1**  
**IL 111/140 & FOSTERBURG RD**  
 FAP ROUTE 785  
 SECTION 132-31, 133RS-5  
 MADISON COUNTY

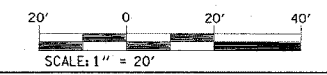
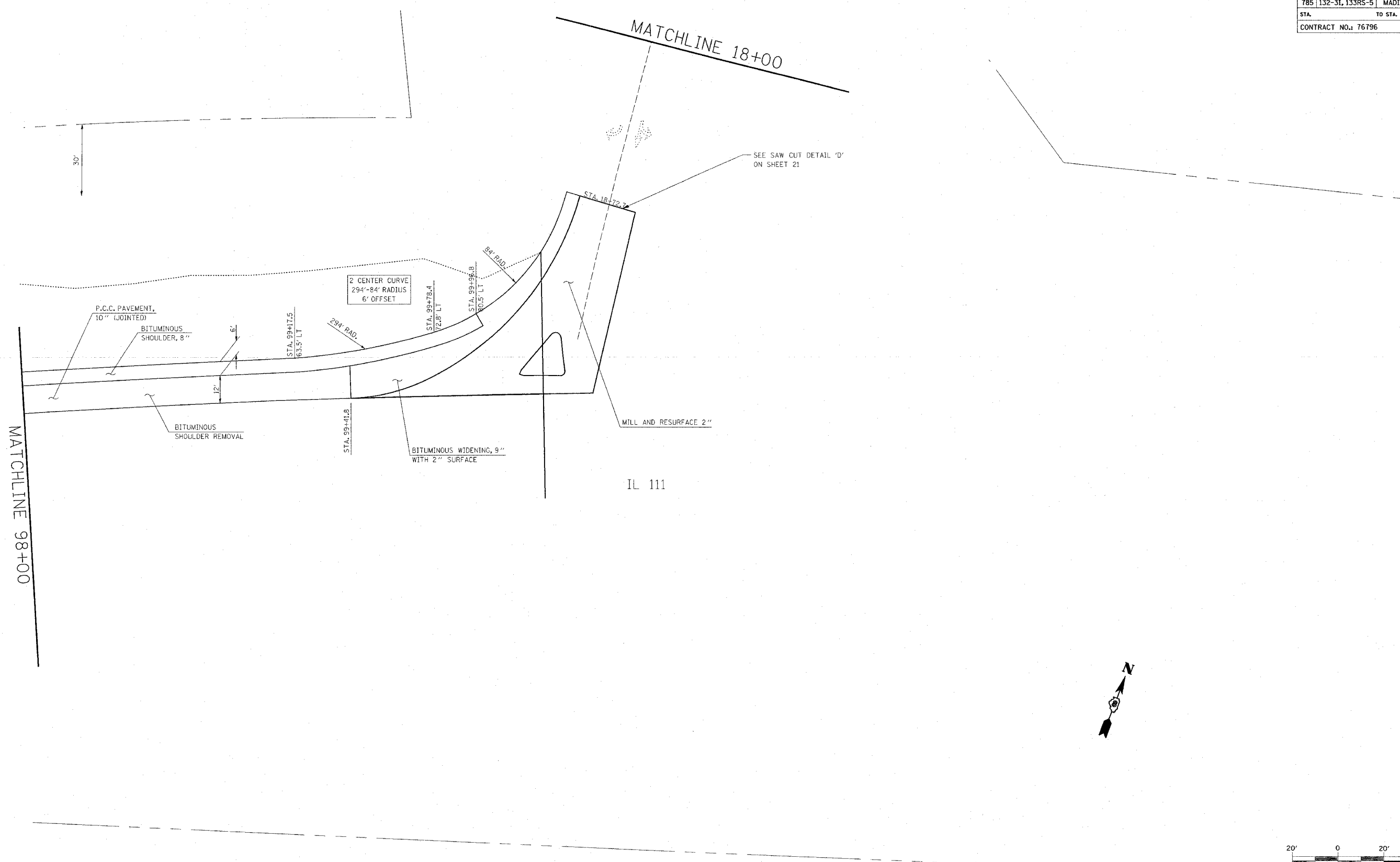
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FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-31, 133RS-5	MADISON	29	12
STA.		TO STA.		
CONTRACT NO.: 76796				

PLAN	SURVEYED	BY	DATE
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REVISIONS	
NAME	DATE

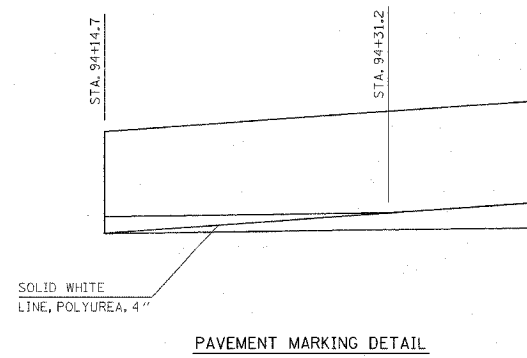
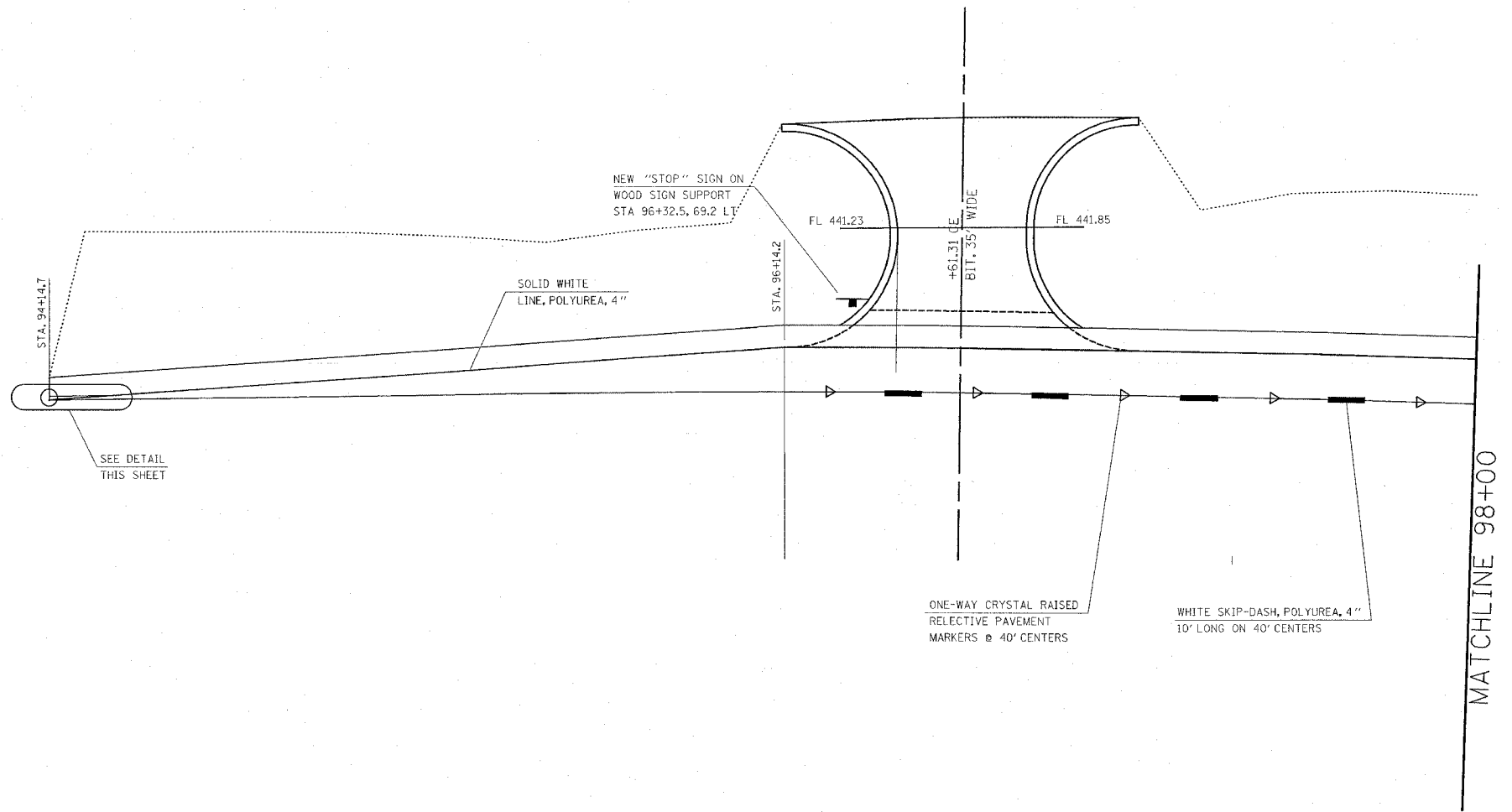
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAN VIEW**  
**LOCATION 1**  
**IL 111/140 & FOSTERBURG RD**  
 FAP ROUTE 785  
 SECTION 132-31, 133RS-5  
 MADISON COUNTY  
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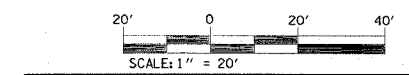
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FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-3I, 133RS-5	MADISON	29	13
STA. TO STA.		CONTRACT NO.: 76796		

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REVISIONS	
NAME	DATE



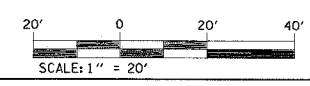
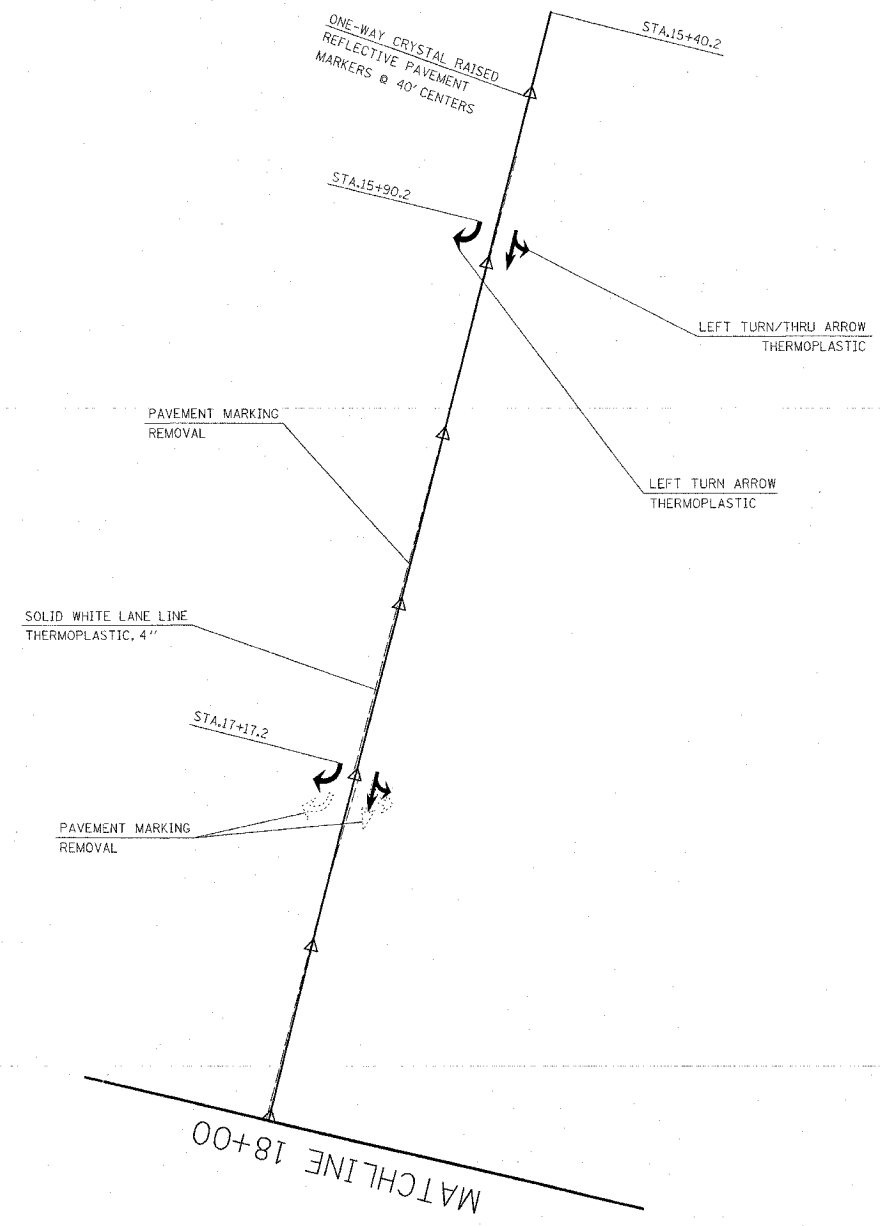
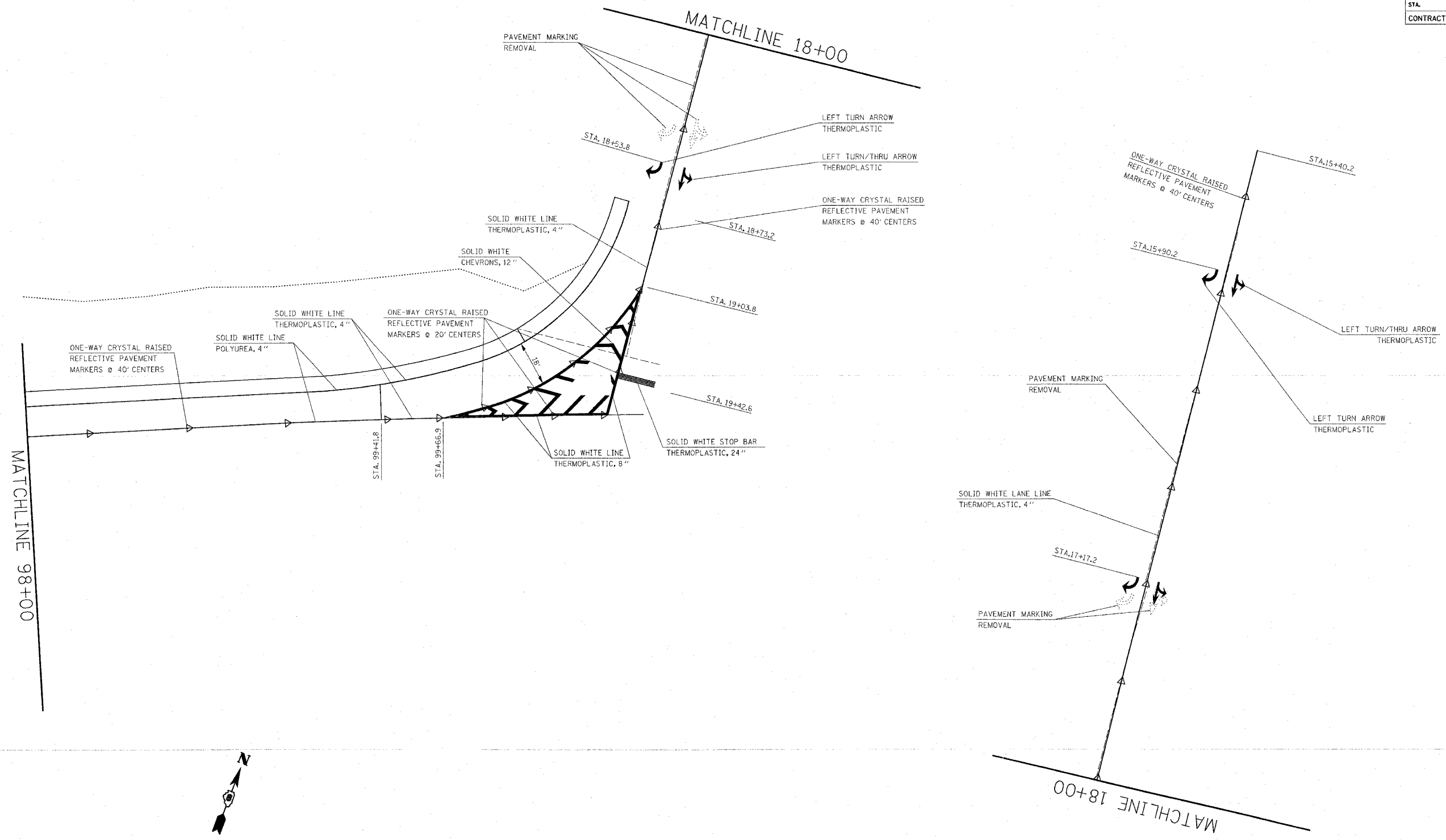
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING**  
**LOCATION 1**  
**IL 111/140 & FOSTERBURG RD**  
 FAP ROUTE 785  
 SECTION 132-3I, 133RS-5  
 MADISON COUNTY

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FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-3I, 133RS-5	MADISON	29	14
STA. _____ TO STA. _____		CONTRACT NO.: 76796		

PLAN	REVISIONS	DATE
NO.	BY	
1		
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING**  
**LOCATION 1**  
**IL 111/140 & FOSTERBURG RD**  
 FAP ROUTE 785  
 SECTION 132-3I, 133RS-5  
 MADISON COUNTY

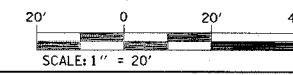
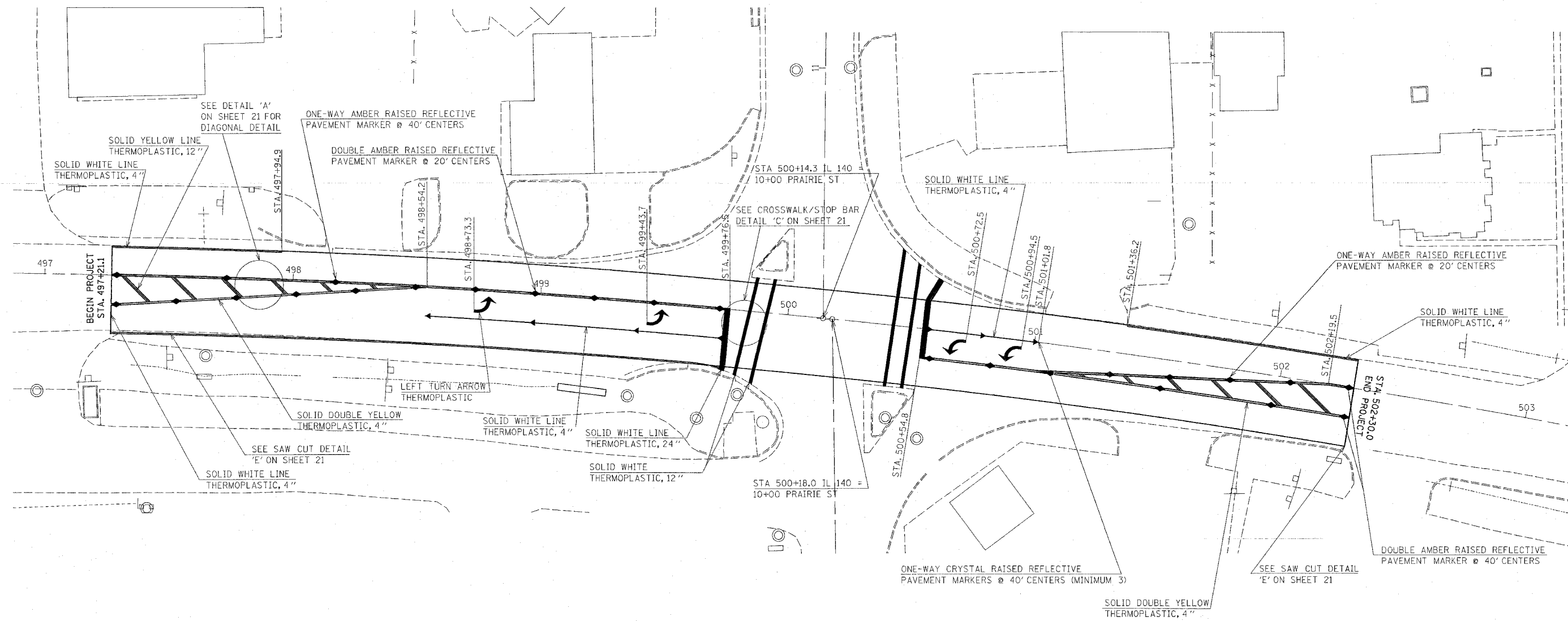
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FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-31, 133RS-5	MADISON	29	15
STA.	TO STA.			
CONTRACT NO.: 76796				

PLAN	SURVEYED	BY	DATE
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	CHECKED		
	RT. OF WAY CHECKED		
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	NO. 4		
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	NO. 6		
	NO. 7		
	NO. 8		
	NO. 9		
	NO. 10		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING & PLAN VIEW**  
**LOCATION 2**  
**IL 140 & PRAIRIE ST**  
 FAP ROUTE 785  
 SECTION 132-31, 133RS-5  
 MADISON COUNTY

DRAWN BY:

PLOT DATE: Tuesday February 08, 2005 @ 11:24:41 AM

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SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785 132-31, 133RS-5	MADISON	29	16
STA. TO STA.			
CONTRACT NO.: 76796			

SCHEDULE OF QUANTITIES			CONSTRUCTION TYPE CODE: Y031-1F		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	LOCATION 1 IL 111 & FOSTERBURG	LOCATION 2 IL 140 & PRAIRIE
72000100	SIGN PANEL - TYPE 1	SQ FT	5	5	
72000200	SIGN PANEL - TYPE 2	SQ FT	15	15	
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	5	5	
72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	15	15	
80300100	LOCATING UNDERGROUND CABLE	FOOT	100	100	
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	6	6	
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	40	40	
81400100	HANDHOLE	EACH	1	1	
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	46	46	
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	233	233	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	256	256	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	152	152	
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	189	189	
87502680	TRAFFIC SIGNAL POST, ALUMINUM 14 FT.	EACH	1	1	
87700320	STEEL MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	1	1	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3	3	
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15	15	
87900100	DRILL EXISTING FOUNDATION	EACH	1	1	
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	2	2	
88600100	DETECTOR LOOP, TYPE I	FOOT	1080	348	732
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1188	1188	
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	158	158	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5	5	
X4402810	ISLAND SURFACE REMOVAL AND REPLACEMENT	SQ FT	581	581	
X8801300	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	2	
X8801310	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	1	1	
X8801400	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1	1	

ELECTRICAL GENERAL NOTES

1. ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE 12" SECTIONS. MOUNTING HARDWARE SHALL BE UNPAINTED ALUMINUM. ALL BOLTS, SCREWS, NUTS AND WASHERS SHALL BE STAINLESS STEEL. ANTI-SEIZE PASTE COMPOUND SHALL BE USED ON ALL MOUNTING HARDWARE FIELD CONNECTIONS.

2. BACKPLATES SHALL BE ABS PLASTIC.

3. THE LOCATION OF MAST ARM SUPPORTS SHALL BE APPROVED BY THE ENGINEER BEFORE FOUNDATIONS ARE CONSTRUCTED. MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 10 FEET FROM THE EDGE OF PAVEMENT OR 2 FEET FROM THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. IN CURBED SECTIONS, THE MAST ARM POLES SHALL BE LOCATED A MINIMUM OF 5 FEET FROM THE FACE OF THE CURB. THESE DISTANCES ARE TO THE NEAR FACE OF THE MAST ARM POLE.

4. ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.

5. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.

6. DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE STANDARD SPECIFICATIONS. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD FILLED WITH NON-HARDENING EPOXY FILLER. ROSIN-CORE SOLDER SHALL BE USED.

7. ALL INDUCTIVE LOOP DETECTORS SUPPLIED FOR THIS PROJECT SHALL HAVE THE CAPACITY OF OPERATING WITH BOTH DELAY AND EXTENSION MODES ACTIVE, IF A TIME SETTING IS PROGRAMMED. THEY SHALL BE RACK MOUNTED.

8. ALL HANDHOLES SHALL BE CAST-IN-PLACE PORTLAND CEMENT CONCRETE (PER ARTICLE 814.03(b)). THE CAST IN PLACE LEGEND IN THE COVER SHALL BE "TRAFFIC SIGNALS". SLOPE HANDHOLE COVERS TO MATCH PROPOSED GRADE ELEVATIONS.

9. LOCATE UNDERGROUND CABLES PRIOR TO ATTEMPTING TO CONSTRUCT THIS PROJECT.

10. ESTIMATED DEPTHS OF THE CONCRETE FOUNDATIONS FOR THE MAST ARM SUPPORT POLES ARE AS FOLLOWS:  
NW CORNER: 12'-6" DEEP

















FINAL DEPTHS WILL BE DETERMINED BY THE DEPARTMENT FROM THE SOIL BORING DATA.

11. ABANDON EXISTING CONDUIT AND CABLES IN PLACE.

12. THE CONTRACTOR SHALL FABRICATE, DELIVER AND INSTALL ONE (1) STREET NAME SIGN AT THE SPECIFIED LOCATIONS. THE SIGNS AND INSTALLATION SHALL CONFORM TO SECTION 720 OF THE STANDARD SPECIFICATIONS AND STANDARDS 720016 AND 720001.

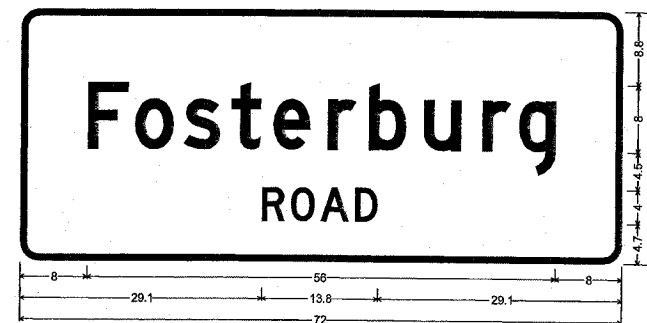
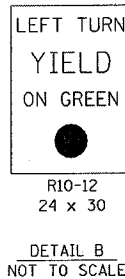
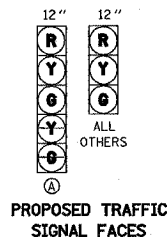
13. THE CONTRACTOR SHALL INSTALL THE STREET NAME SIGN ON THE MAST ARM AS FOLLOWS:  
ONE SIGN, NW QUAD., VISIBLE TO WB TRAFFIC

TRAFFIC SIGNALS LEGEND

GSC	GALVANIZED STEEL CONDUIT
PVCC	POLYVINYL CHLORIDE CONDUIT
	EXISTING SIGNAL POST
	EXISTING TRAFFIC SIGNAL MAST ARM
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
	EXISTING DETECTOR LOOP
	EXISTING CONTROLLER
	EXISTING STREET NAME SIGN/TRAFFIC SIGN
	EXISTING ILLUMINATED SIGN
	EXISTING SERVICE INSTALLATION
	EXISTING GALVANIZED STEEL CONDUIT
	PROPOSED SIGNAL HEAD WITH BACKPLATE, MAST ARM MOUNTED
	PROPOSED HANDHOLE
	PROPOSED DETECTOR LOOP
	PROPOSED CONDUIT: "T" TRENCH, "P" PUSH, SIZE SPECIFIED
	PROPOSED STREET NAME SIGN/TRAFFIC SIGN
	PROPOSED SIGNAL POST



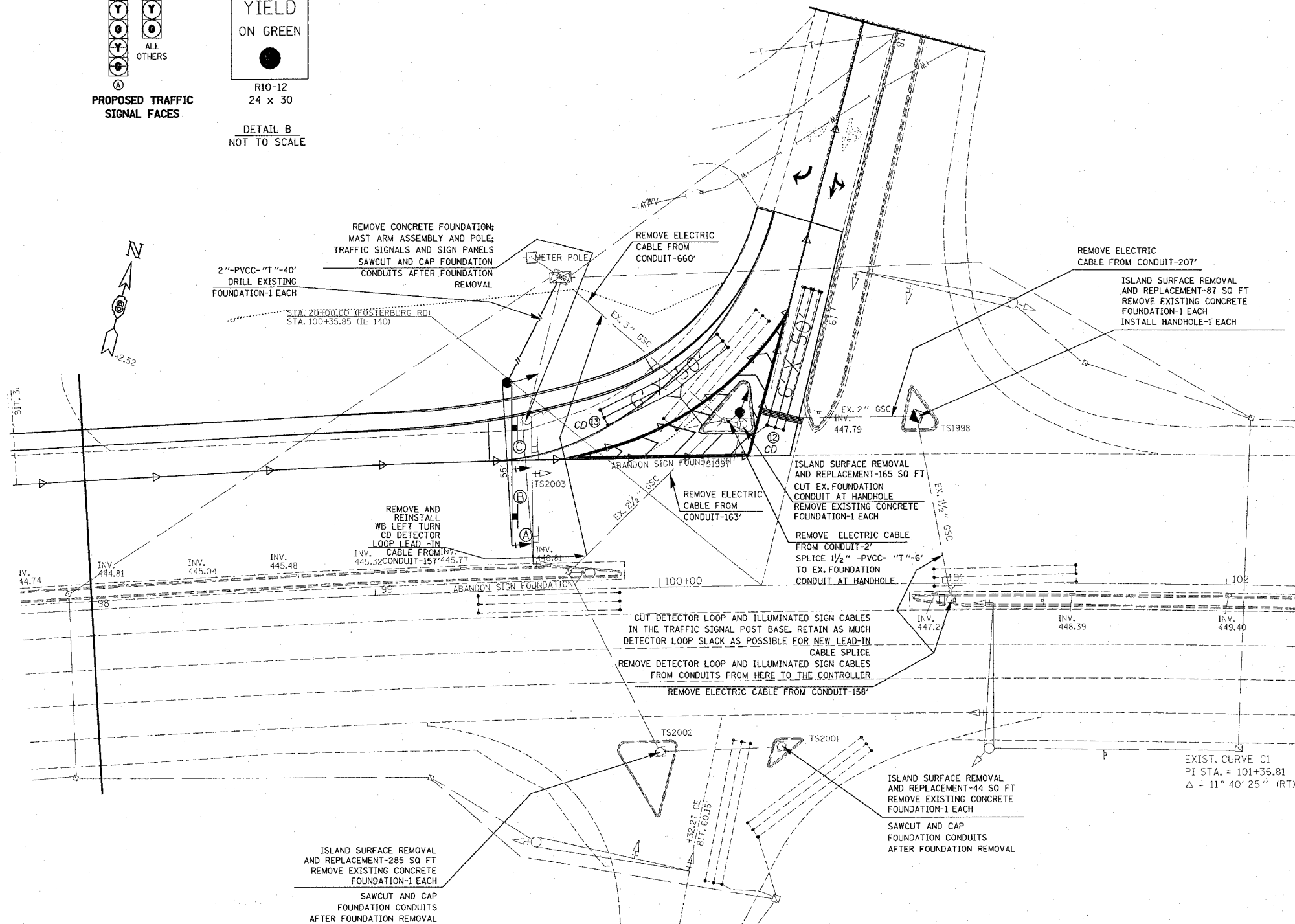
FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-31, 133RS-5	MADISON	29	17
STA.	TO STA.			
CONTRACT NO.: 76796				



2.3" Radius, 0.6" Border, White on Green;  
[Fosterburg] D 96% spacing; [ROAD] D;  
Table of distances between letter and object lefts.

F	o	s	t	e	r	b	u	r	g		R	O	A	D			
8.0	5.7	5.9	5.8	4.9	6.5	4.9	6.5	7.0	4.3	4.5	8.0	29.1	3.4	3.6	4.1	2.7	29.1

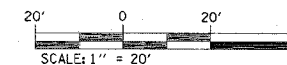
STREET NAME SIGN  
DETAIL C  
NOT TO SCALE



DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 111 AND FOSTERBURG RD.

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
1.-11.	NA	NA	NA	NA	NA
12. SB THRU-LT CD	4	6' X 50'	3-6-3	808	2.1
13. SB RT CD	4	6' X 50'	3-6-3	809	2.1

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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
TRAFFIC SIGNAL PLAN  
LOCATION 1  
IL 111 AND FOSTERBURG ROAD  
FAP 785  
SECTION 132-31, 133RS-5  
MADISON COUNTY

DRAWN BY:

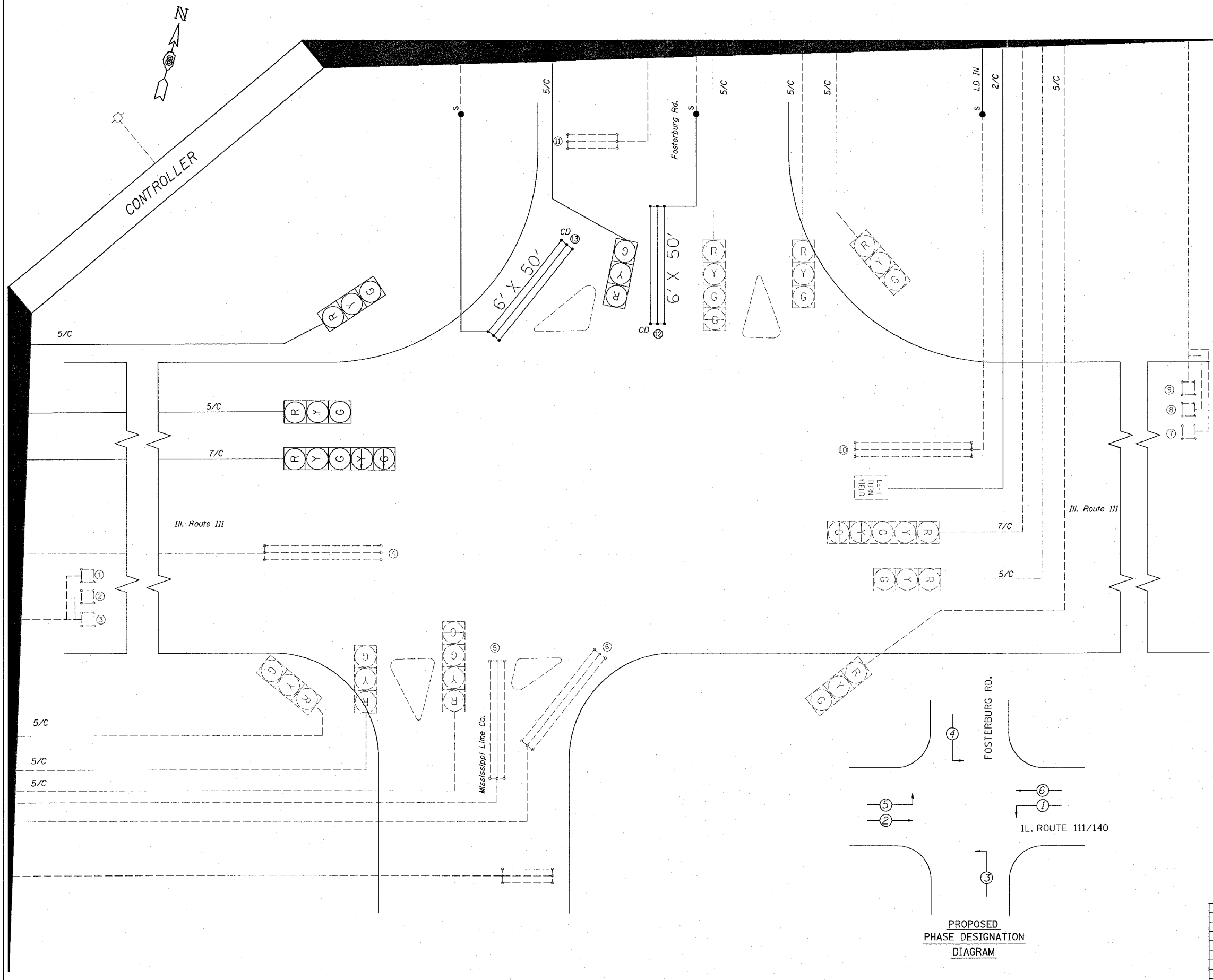
PLOT DATE: Tuesday February 08, 2005 @ 3:53:32 PM

PLAN	DATE	BY
SURVEYED		
PLANNED		
DESIGNED		
CHECKED		
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FILED		

2/14/2005  
Tuesday February 08, 2005 @ 3:53:32 PM  
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FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-3I, 133RS-5	MADISON	29	18
STA. _____ TO STA. _____		CONTRACT NO.: 76796		

PLAN	DATE
BY	
REVISIONS	
NO.	
DATE	
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REVISIONS	
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**CABLE DIAGRAM LEGEND**

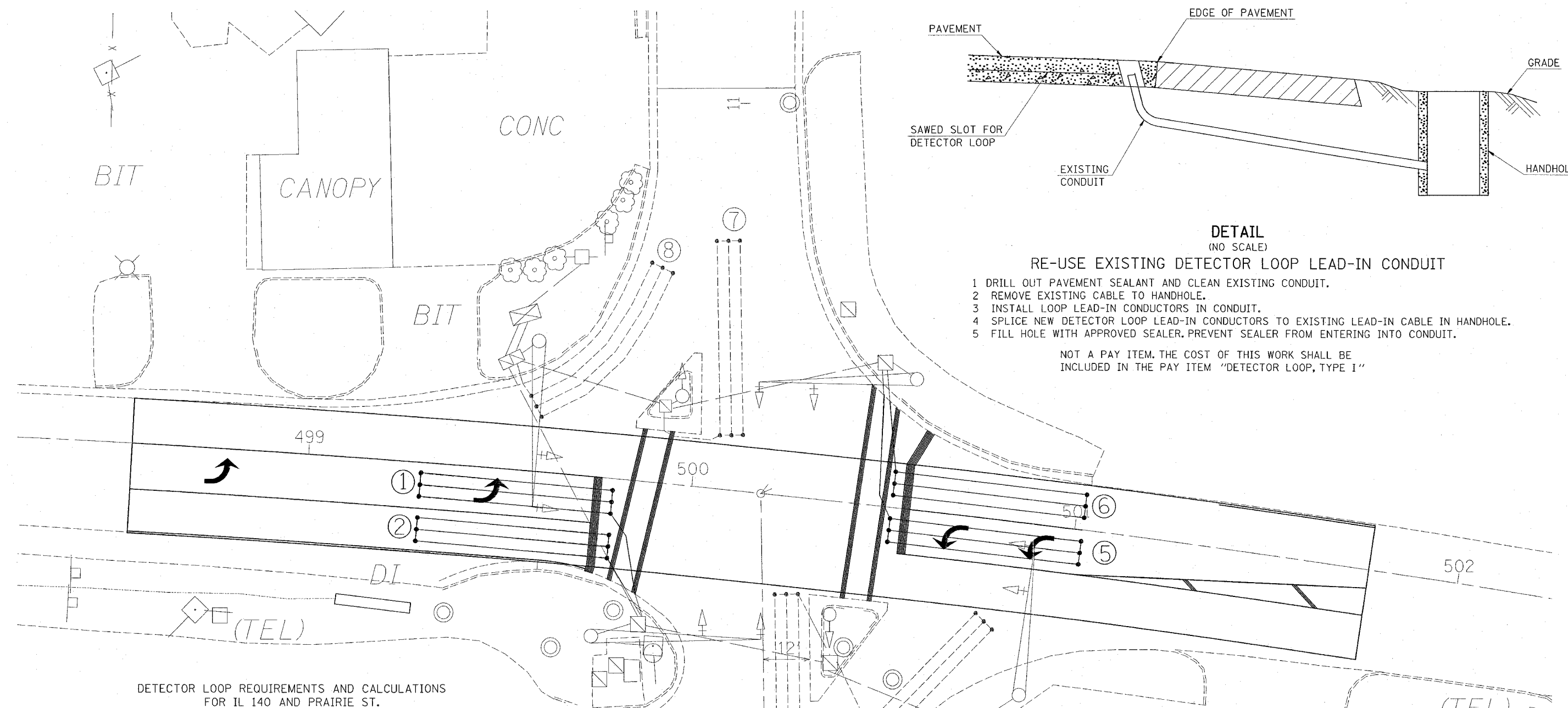
- ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- CABLE SPLICE (SEE GENERAL NOTES)
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- ID IN ELECTRIC CABLE LEAD-IN, 1 PAIR
- CD CALL DELAY (SEE GENERAL NOTES)
- CCO CALL CARRY OVER (SEE GENERAL NOTES)
- SERVICE INSTALLATION
- \*6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS (SEE GENERAL NOTES)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CABLE DIAGRAM  
LOCATION 1**  
**IL 111 AND FOSTERBURG ROAD**  
FAP 785  
SECTION 132-3I, 133RS-5  
MADISON COUNTY

DRAWN BY:

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO. 1	RT. OF WAY CHECKED	
	CADD FILE NAME	



**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"

DETECTOR LOOP REQUIREMENTS AND CALCULATIONS FOR IL 140 AND PRAIRIE ST.

LOOP	PHASE (Ø)	LOOP SIZE(FT)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES (µH)	CALCULATED RESISTANCE OHMS (Ω)
1. EB LT CD	1	6' X 50'	3-6-3	663.3	1.9
2. EB THRU CD	6	6' X 50'	3-6-3	810.2	2.1
3. NB THRU-LT CD	4	NA	NA	NA	NA
4. NB RT CD	4	NA	NA	NA	NA
5. WB LT CD	5	6' X 50'	3-6-3	820.1	2.4
6. WB THRU-LT CD	2	6' X 50'	3-6-3	817.2	2.3
7. SB THRU-LT CD	8	NA	NA	NA	NA
8. SB RT CD	8	NA	NA	NA	NA

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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DETECTOR LOOP REPLACEMENT PLAN**  
LOCATION 2  
IL 140 AND PRAIRIE STREET  
FAP 785  
SECTION 132-31, 133RS-5  
MADISON COUNTY

DRAWN BY: \_\_\_\_\_

2/8/2005 3:53:47 PM Tuesday February 08, 2005 @ 3:53:47 PM at \\projects\mva\mva\067694\electrical\lsp\1106724.dgn v1-63

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-31, 133RS-5	MADISON	29	20
STA. _____ TO STA. _____		CONTRACT NO.: 76796		

PLAN	REVISIONS	DATE
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Page 1 of 1

**Illinois Department of Transportation**  
Division of Highways  
 Illinois Department of Transportation

### SOIL BORING LOG

Date: 8/21/89

ROUTE: FAP 785 DESCRIPTION: Traffic Signals @ IL 1140 & Fosterburg Road LOGGED BY: Larry Ford

SECTION: 132-ITS LOCATION: NE 1/4, SEC. 8, TWP. 5N, R1G. 9W, 3 PM

COUNTY: Madison DRILLING METHOD: Hollow Stem Auger HAMMER TYPE: 140# Automatic

STRUCT. NO. \_\_\_\_\_  
 Station \_\_\_\_\_

BORING NO. 2 NW Quad  
 Station 99 + 64  
 Offset 63.00ft Lt  
 Ground Surface Elev. 449.3 ft

DEPTH (ft)	SOIL DESCRIPTION	SPT (N)	MOISTURE (%)	LOGGED	ELEVATION (ft)			
					Surface Water	Stream Bed	Groundwater	Groundwater
0	Gray Sandy SILT (continued)				449.3	449.3	421.6	426.2
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The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

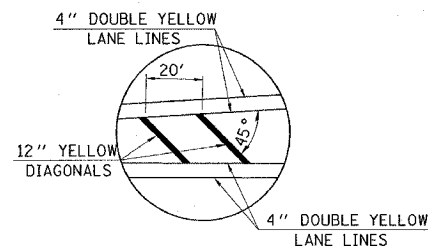
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SOIL BORING LOG**

FAP 785  
 SECTION 132-31, 133RS-5  
 MADISON COUNTY

DRAWN BY: \_\_\_\_\_

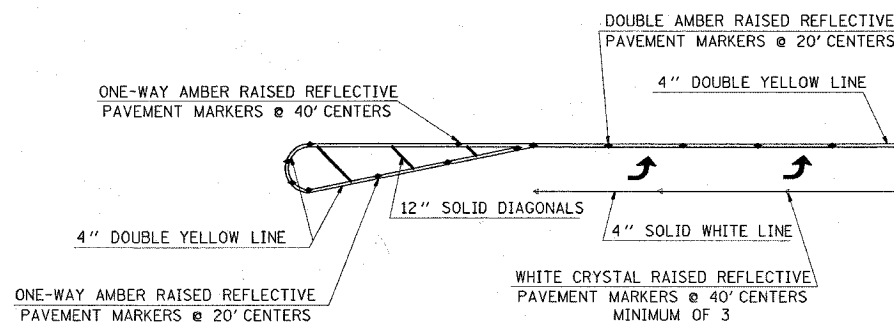
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FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
785	132-31, 133RS-5	MADISON	29	21
STA.	TO STA.			
CONTRACT NO.: 76796				



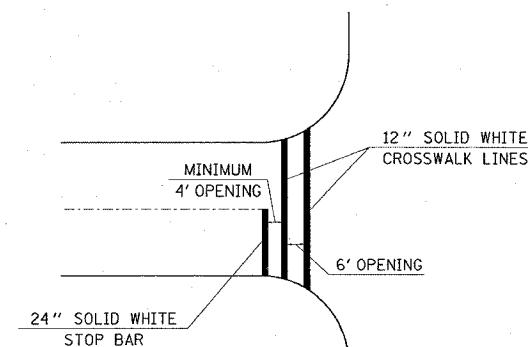
TYPICAL APPLICATION FOR MEDIAN STRIPING

**DETAIL 'A'**  
NOT TO SCALE



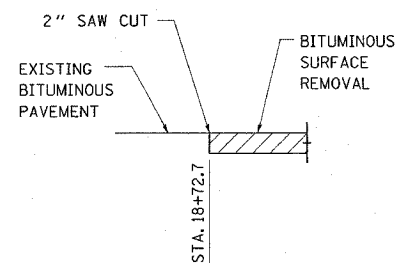
TYPICAL APPLICATION FOR LEFT TURN LANE WITH RAISED REFLECTIVE PAVEMENT MARKERS

**DETAIL 'B'**



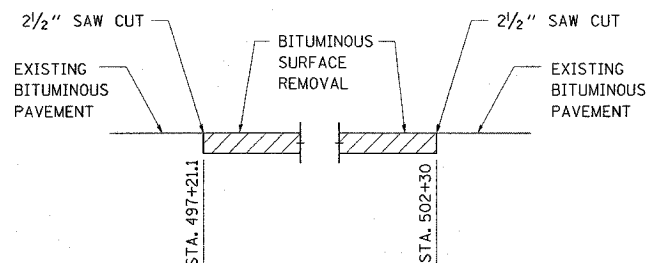
TYPICAL APPLICATION FOR CROSSWALK

**DETAIL 'C'**



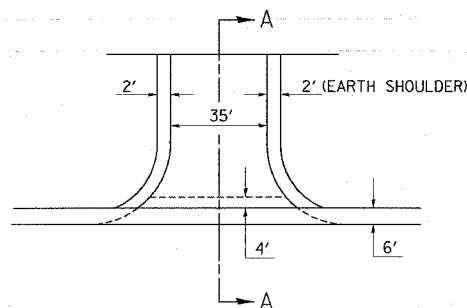
LOCATION 1  
BITUMINOUS SURFACE REMOVAL AND SAWCUT DETAIL

**DETAIL 'D'**

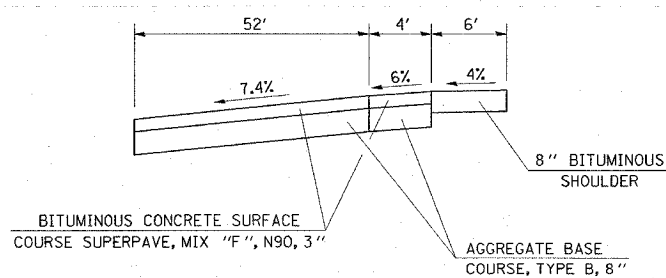


LOCATION 2  
BITUMINOUS SURFACE REMOVAL AND SAWCUT DETAIL

**DETAIL 'E'**



LOCATION 1  
ENTRANCE DETAIL 'F'  
STA. 96+61.31



LOCATION 1  
SECTION A-A  
ENTRANCE DETAIL 'F'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MISCELLANEOUS DETAILS**  
**LOCATIONS 1 & 2**  
 FAP ROUTE 785  
 SECTION 132-31, 133RS-5  
 MADISON COUNTY  
 DRAWN BY:

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PLANNED	
ALIGNED	
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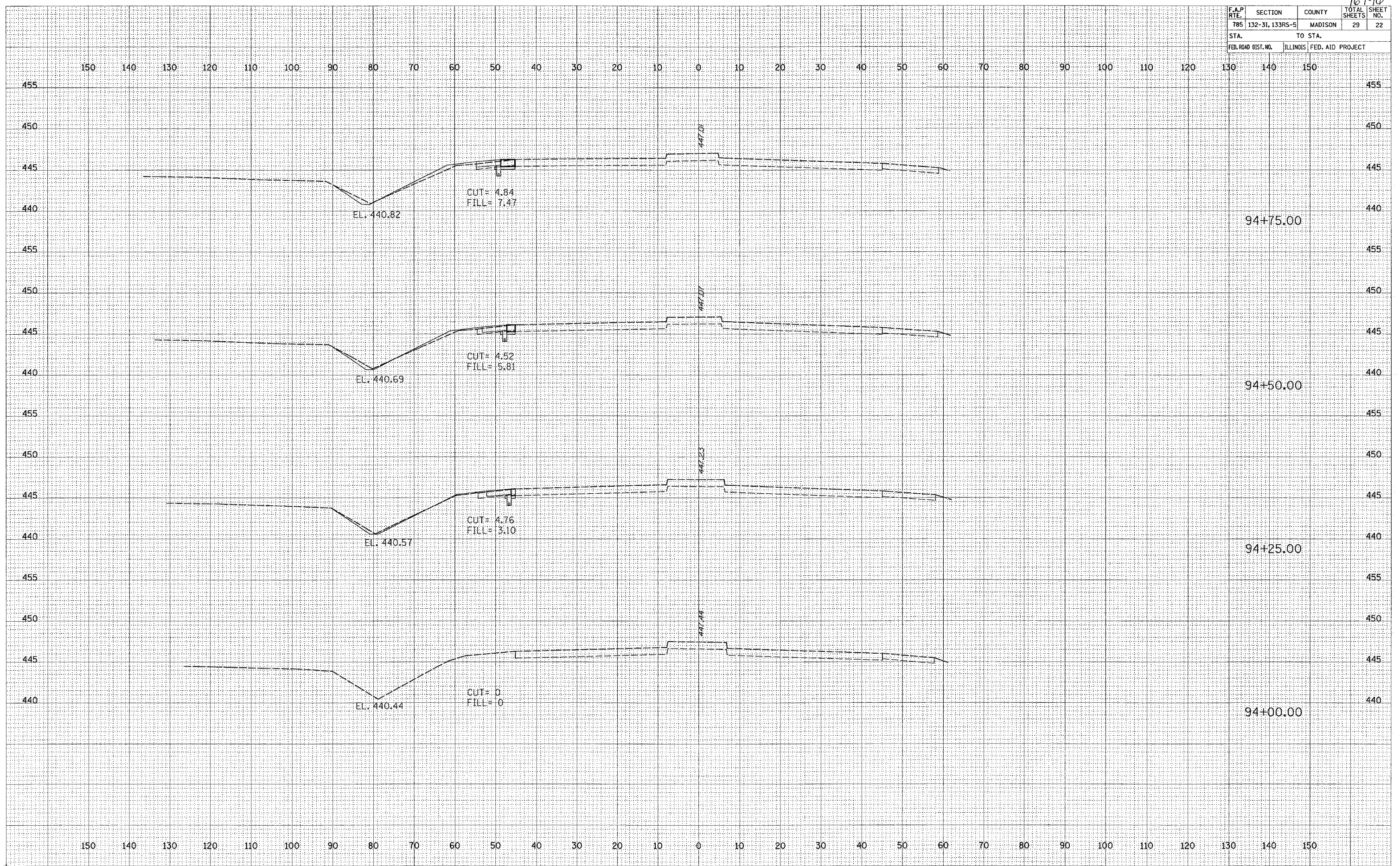
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76796

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	132-31, 133RS-5	MADISON	29	22

STA.	TO STA.

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

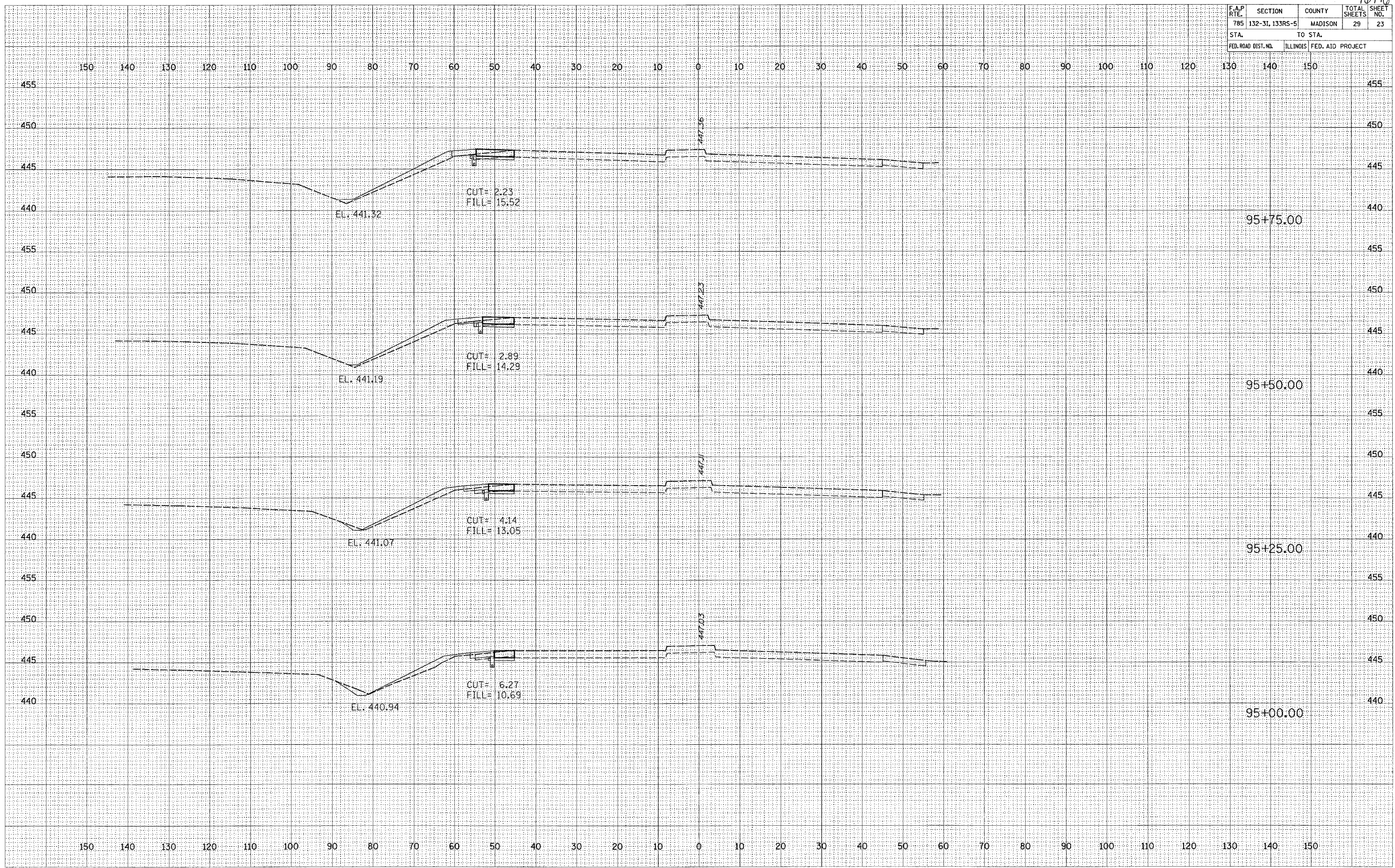
BY	DATE
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76796

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	132-31, 133RS-5	MADISON	29	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	



76796

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	132-31, 133RS-5	MADISON	29	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	TYPE

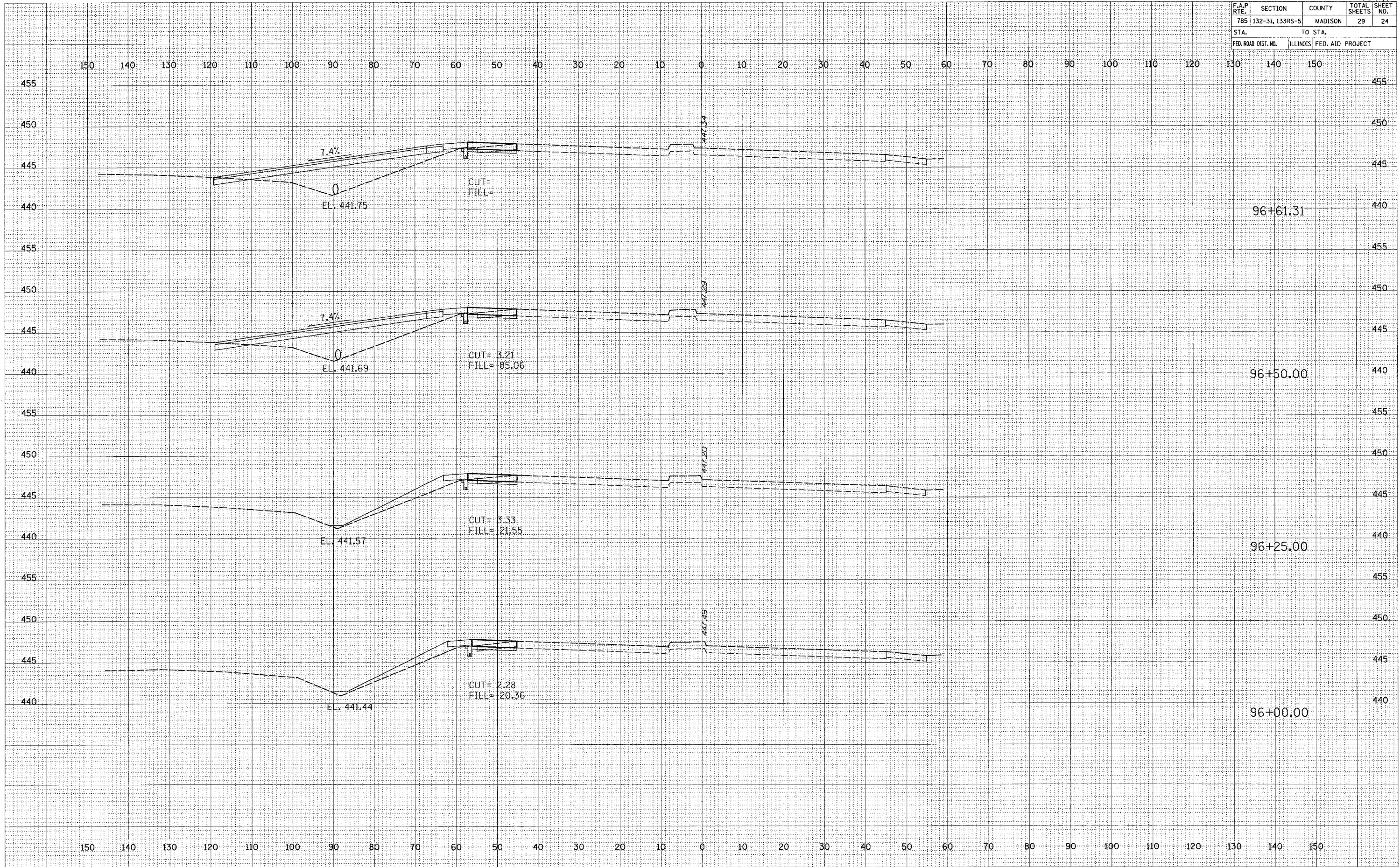
  

FINAL SURVEY	CHECKED

DATE	BY	TYPE

ORIGINAL SURVEY	CHECKED



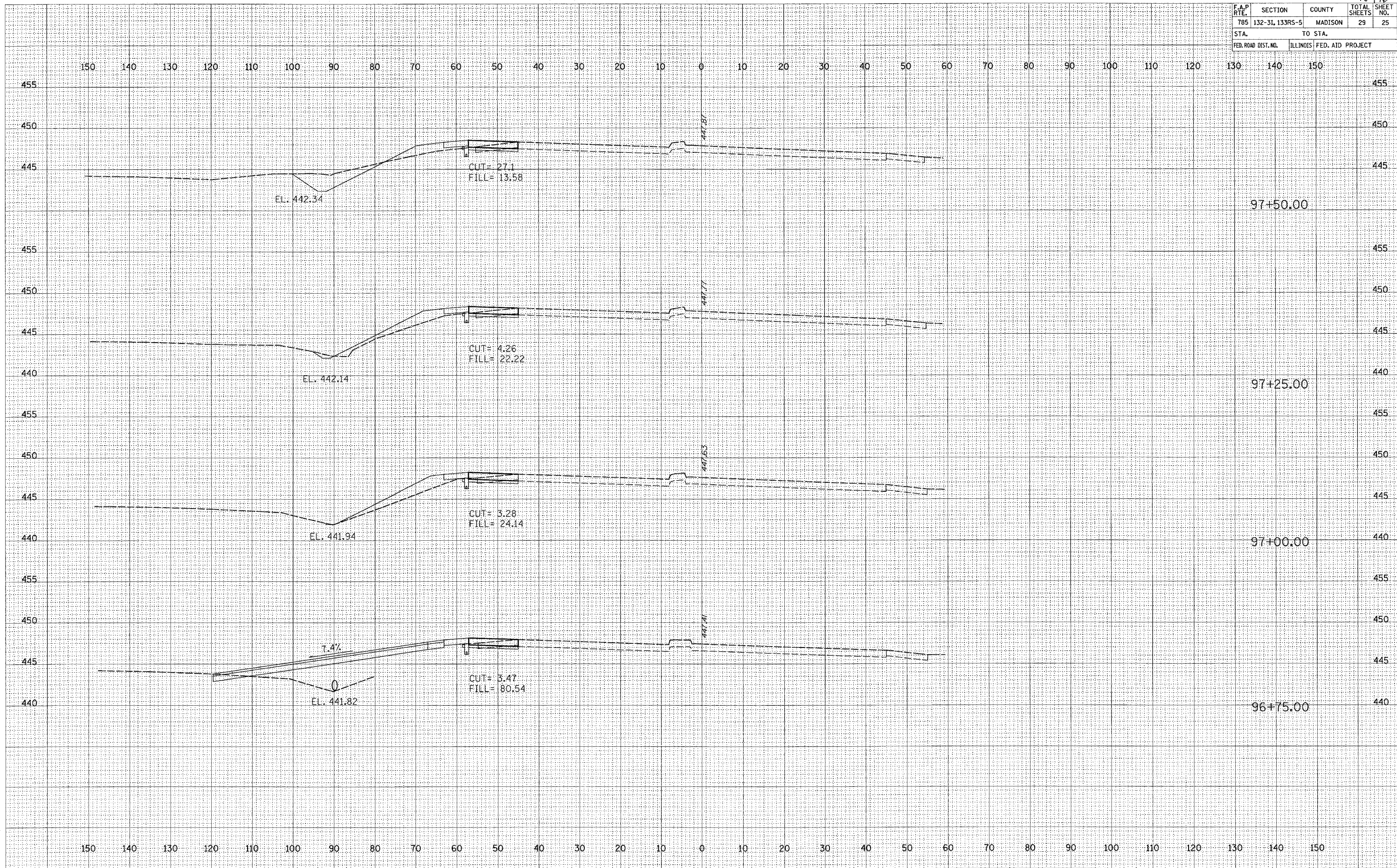


76796

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	132-3L, 133RS-5	MADISON	29	25
STA. TO STA.				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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SURVEYED	
PLOTTED	
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NOTE BOOK NO.	
AREAS CHECKED	

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PLOTTED	
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NOTE BOOK NO.	
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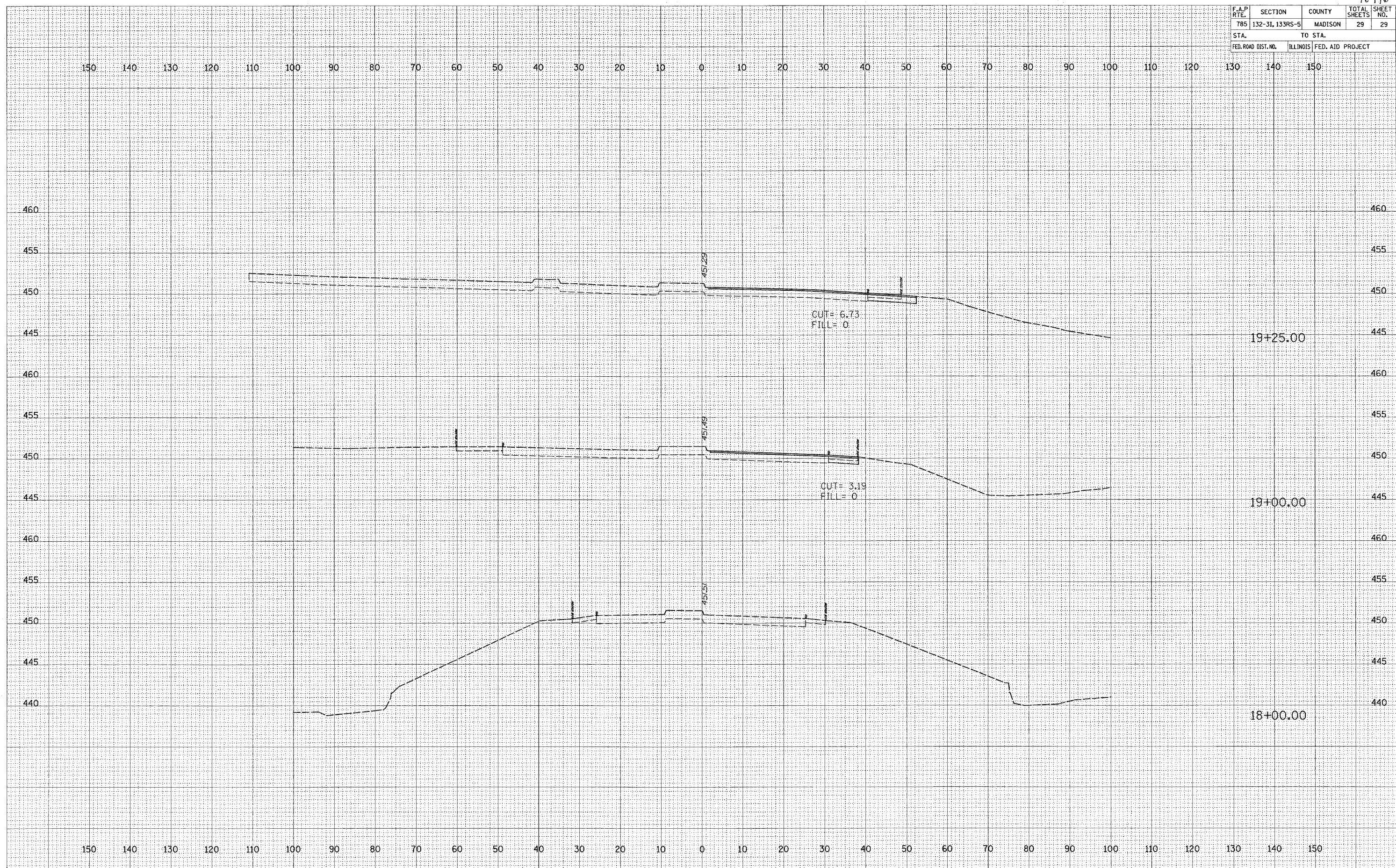


76796

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	132-3I, 133RS-5	MADISON	29	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	BY	DATE
ORIGINAL SURVEY	SUBMITTED	PLOTTED	DATE
NOTE BOOK	NO.	AREAS CHECKED	

DATE	BY	BY	DATE
ORIGINAL SURVEY	SUBMITTED	PLOTTED	DATE
NOTE BOOK	NO.	AREAS CHECKED	



LOCATION #1 - FOSTERBURG RD