

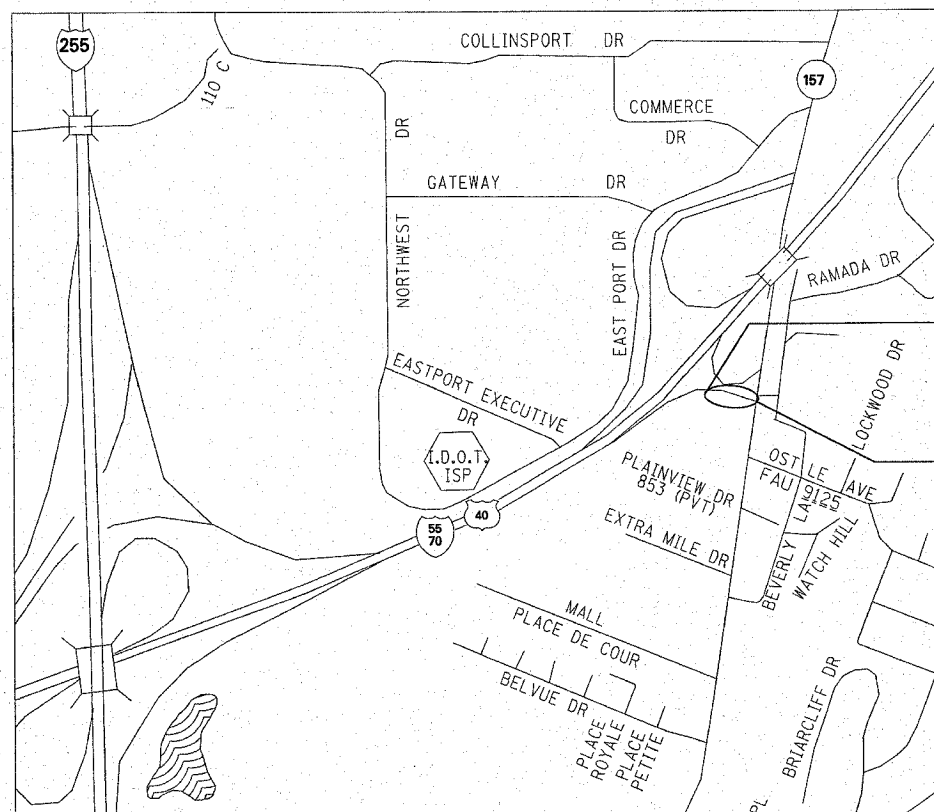
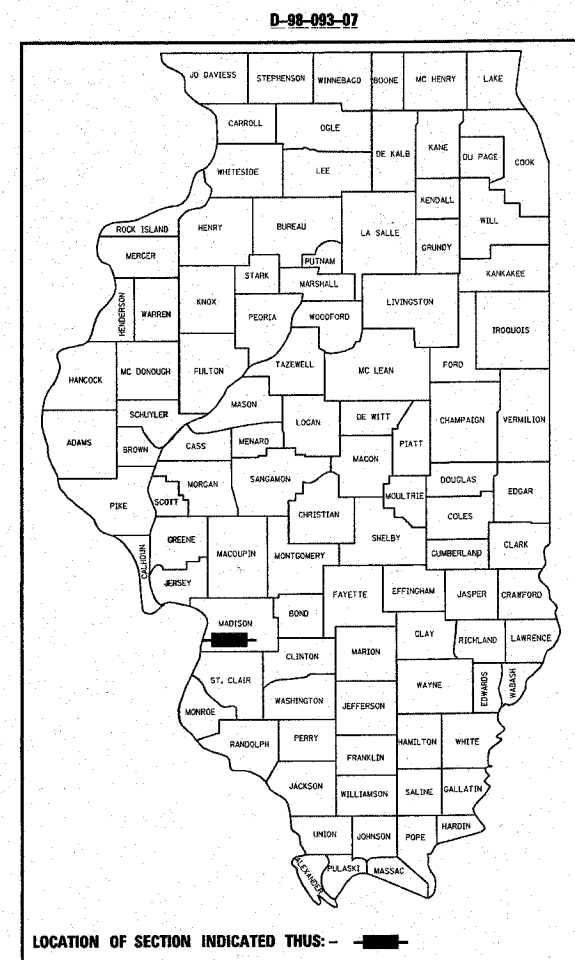
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

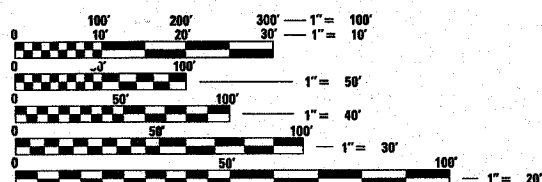
FAI ROUTE 55/70  
SECTION 60-7K-2  
PROJECT  
MADISON COUNTY  
RAMP IMPROVEMENT AT I-55/70 & IL 157 EXIT  
C-98-096-07

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

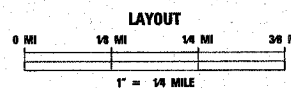


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



DESIGN DESIGNATION  
FUNCTIONAL CLASSIFICATION - INTERSTATE  
2007 ADT = 7200, 2027 ADT = 8900  
SU = 2.8%, MU = 2.7%



GROSS LENGTH - 0.125 MILES (658.48 FEET)  
NET LENGTH - 0.125 MILES (658.48 FEET)

CONTRACT NO. 76B04

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *Oct 25 20 07*  
*Mary C. Jamel*  
DEPUTY DIRECTOR OF HIGHWAYS  
REGION FIVE ENGINEER

*December 7 20 07*  
*Eric E. Harms*  
ENGINEER OF DESIGN AND ENVIRONMENT

*December 7 20 07*  
*Christine M. Reed*  
DIRECTOR, DIVISION OF HIGHWAYS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	2
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- ALL PCC BASE WILL BE PAID FOR AS "PCC BASE COURSE, 10'", REGARDLESS OF WIDTH.
- THE MIXTURE REQUIREMENTS ON THIS SHEET SHALL APPLY TO THIS PROJECT.
- ILLINOIS LAW REQUIRES A 48 HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CALLING J.U.L.I.E. AND FOR NON J.U.L.I.E. MEMBERS THE UTILITY COMPANY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:  
  
 AMEREN IP - GAS & ELECTRIC, AERIAL & BURIED  
 AT&T CORP - COMMUNICATIONS, BURIED  
 CHARTER COMMUNICATIONS, INC. - CABLE TV, BURIED  
 CITY OF COLLINSVILLE - WATER & SANITARY SEWER, BURIED  
 SOUTHWESTERN ELECTRIC COOPERATIVE, INC. - ELECTRIC, AERIAL  
  
 ALL UTILITIES ARE MEMBERS OF J.U.L.I.E.
- THE THICKNESS OF HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- ROAD CONSTRUCTION AHEAD SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS. THE COST OF THIS SHALL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLOURESCENT ORANGE.
- ALL TEMPORARY PAVEMENT MARKING SHALL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- FOR THE PROPOSED LOCATION OF THE 8' WOVEN WIRE GATE PLEASE CONTACT STAN RUDY (667-0720) OF OPERATIONS.
- ALL SIGN PANELS REMOVED SHALL BE RETURNED TO THE IDOT SIGN SHOP. PLEASE CONTACT JEFF ABEL AT 346-3183 TO ARRANGE. COST TO BE INCLUDED IN THE COST OF SIGN PANEL REMOVAL AND SIGN PANEL ASSEMBLY REMOVAL.

HIGHWAY STANDARDS

001006	664001-01	720006-01
000001-05	665001-01	720021-01
001001-01	701101-01	780001-01
353001-04	701106-01	781001-02
482001-02	701400-02	814001-01
482006-03	701401-04	814006-01
542301-01	701406-04	857001
606001-03	701901	886001
606301-03		886006
		720001

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, GENERAL NOTES, STANDARDS
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5	EXISTING TYPICALS
6	PROPOSED TYPICALS
7	SCHEDULES
8	PLAN SHEET
9	DRAINAGE AND SIGNING
10	PAVEMENT MARKING
11-16	ELECTRICAL PLANS
17	PLAN DETAILS
18-19	SIGN SUPPORT DETAILS
20	SIGN PANEL DETAILS
21-26	CROSS SECTIONS

MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

ROUTE	FAI 55/70
SECTION	60-7K-2
COUNTY	MADISON
CONTRACT	76B04

DESCRIPTION:	IL 157 AND I-55/70 EAST BOUND RAMP IN COLLINSVILLE RIGHT TURN LANE.
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ADT (Construction Yr)	8900
MU%:	2.7
SU%:	2.8
20 YR. ESAL'S:	1.64

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS	TOP LIFT SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 58-22	PG 58-22
RAP % (MAX)	10%	10%	30%	30%
DESIGN AIR VOIDS	4.0% @ Ndes=70	4.0% @ Ndes=70	2.0% @ Ndes=30	**2.0% @ Ndes=30
MIX COMPOSITION				
(GRADATION MIXTURE)				
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	BAM	BAM

MIXTURE USE	SURFACE	LEVEL BINDER	SHOULDERS	TOP LIFT SHOULDERS
AC/PG				
RAP % (MAX)				
DESIGN AIR VOIDS				
MIX COMPOSITION				
(GRADATION MIXTURE)				
FRICITION AGG				

\*\* Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids to 1.5%.

Plan quantities for HMA Surface Course Items are calculated using a unit weight of 112 lb/sq yd/ln 59.8 kg/sq m/25 mm thickness).

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS, & COMMITMENTS
NAME	DATE	
		FAI ROUTE 55/70 SECTION 60-7K-2 MADISON COUNTY  SCALE: VERT. HORIZ. DATE _____ DRAWN BY _____ CHECKED BY _____

PLOT DATE = #DAYS  
 FILE NAME = #FILE#  
 SHEET NO. = #SHEET#  
 REFERENCE = #REF#

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 100% STATE 1000-2A	URBAN 100% STATE Y031-1F
20200100	EARTH EXCAVATION	CU YD	339	339	
20400800	FURNISHED EXCAVATION	CU YD	517	517	
25000115	SEEDING, CLASS 1B	ACRE	0.3	0.3	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	27	27	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	27	27	
25000600 25100115	POTASSIUM FERTILIZER NUTRIENT MULCH, METHOD 2	POUND ACRE	27 0.6	27 0.6	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	60	60	
31101810	SUB-BASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	750	750	
35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ YD	667	667	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1.8	1.8	
40600300	AGGREGATE (PRIME COAT)	TON	8.4	8.4	
40600845	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90	TON	121	121	
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	242	242	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	2319	2319	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	59	59	
44002020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	250	250	
44003100	MEDIAN REMOVAL	SQ FT	14	14	
44004250	PAVED SHOULDER REMOVAL	SQ YD	524	524	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	699	699	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	88	88	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 100% STATE 1000-2A	URBAN 100% STATE Y031-1F
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	27	27	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	326	326	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	25	25	
50800105	REINFORCEMENT BARS	POUND	440	440	
54200439	PIPE CULVERTS, TYPE 1 RCCP 24"	FOOT	5.5	5.5	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	205	205	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	97	97	
60623711	CONCRETE MEDIAN	SQ FT	39	39	
66500700	WOVEN WIRE GATES, 4' X 8' SINGLE	EACH	1	1	
66502300	WOVEN WIRE FENCE REMOVAL	FOOT	8	8	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	540	540	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	156	156	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1929	1929	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	183	183	

# SUMMARY OF QUANTITIES

CONTRACT NO. 76804				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	4
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

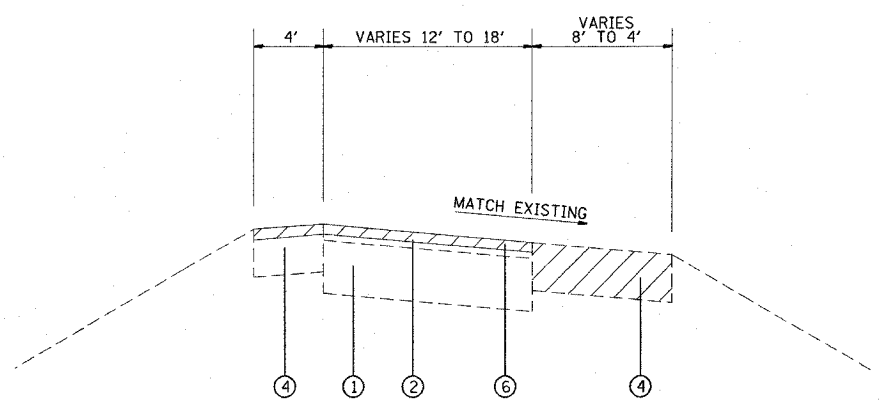
SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 100% STATE 1000-2A	URBAN 100% STATE Y031-1F
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	169	169	
70300270	TEMPORARY PAVEMENT MARKING - LINE 16"	FOOT	42	42	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	60	60	
72000100	SIGN PANEL - TYPE 1	SQ FT	37.1	37.1	
72000200	SIGN PANEL - TYPE 2	SQ FT	73.5	73.5	
72000300	SIGN PANEL - TYPE 3	SQ FT	378	378	
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2	
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1	
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	17.3	17.3	
72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	33	33	
72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	261	261	
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	2191.5	2191.5	
73000100	WOOD SIGN SUPPORT	FOOT	151	151	
73400100	CONCRETE FOUNDATIONS	CU YD	6.6	6.6	
73700100	REMOVE GROUND-MOUNTED SIGN SUPPORT	EACH	13	13	
73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	4	4	
78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	156	156	
78003110	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 4"	FOOT	1929	1929	
78003140	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 8"	FOOT	183	183	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 100% STATE 1000-2A	URBAN 100% STATE Y031-1F
78003150	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 12"	FOOT	169	169	
78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	42	42	
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	17	17	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	13	13	
80300100	LOCATING UNDERGROUND CABLE	FOOT	800		800
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	45		45
81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	750		750
83600100	LIGHT POLE FOUNDATION	EACH	1		1
83800650	BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	4		4
*84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	1		1
*87300255	ELECTRIC CABLE IN TRENCH, SIGNAL, NO. 14 7C	FOOT	350		350
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2
88600600	DETECTOR LOOP REPLACEMENT	FOOT	500		500
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1700		1700
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1		1
X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	15		15
X7800200	PAINT PAVEMENT MARKING CURB	FOOT	34		34

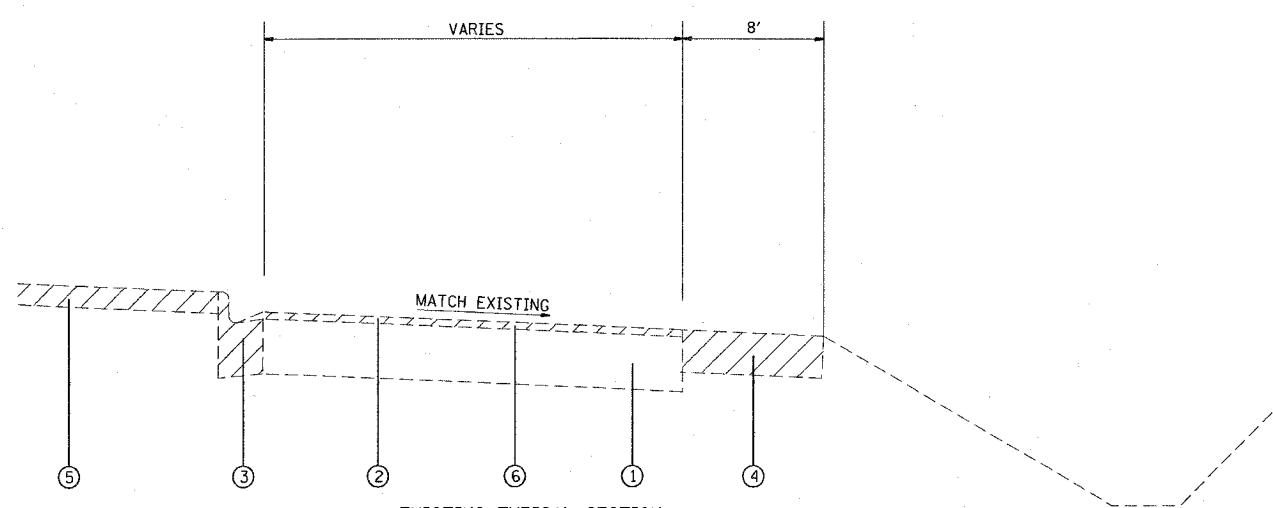
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 \* REF = REF

\* SPECIALTY ITEMS

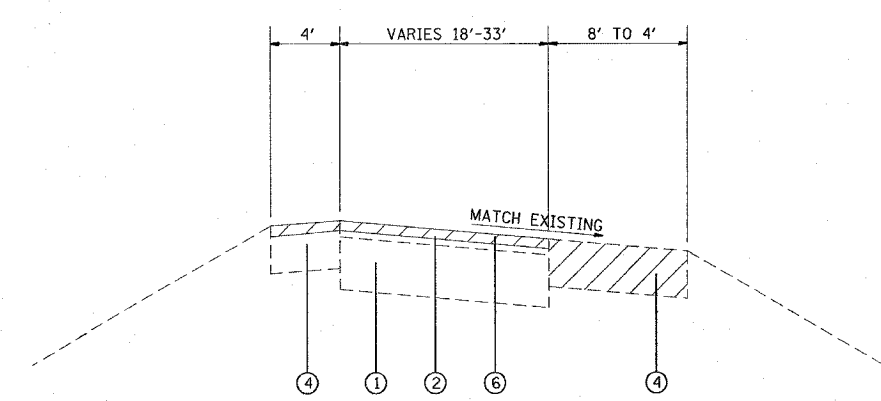
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	5
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION  
STA. 254+82 TO STA. 1+59



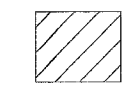
EXISTING TYPICAL SECTION  
STA. 5+57 TO STA. 6+60



EXISTING TYPICAL SECTION  
STA. 1+59 TO STA. 5+57

LEGEND

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA RESURFACING
- ③ EXISTING CURB AND GUTTER
- ④ EXISTING HMA SHOULDER
- ⑤ EXISTING MEDIAN SURFACE
- ⑥ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ⑦ PROPOSED PCC BASE COURSE, 10"
- ⑧ PROPOSED HMA SHOULDER, 8"
- ⑨ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑩ PROPOSED AGGREGATE PRIME COAT
- ⑪ PROPOSED HMA BINDER COURSE, 3/4"
- ⑫ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑬ PROPOSED HMA SHOULDER RESURFACING, 2 1/4"
- ⑭ PROPOSED AGGREGATE SHOULDERS, 6"
- ⑮ PROPOSED PCC CURB AND GUTTER, TYPE B 6.24
- ⑯ PROPOSED SUB-BASE GRANULAR MATERIAL, 12"
- ⑰ PROPOSED AGGREGATE WEDGE
- ⑱ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑲ PROPOSED TIE BARS
- ⑳ PROPOSED MEDIAN SURFACE 4"



REMOVAL ITEMS

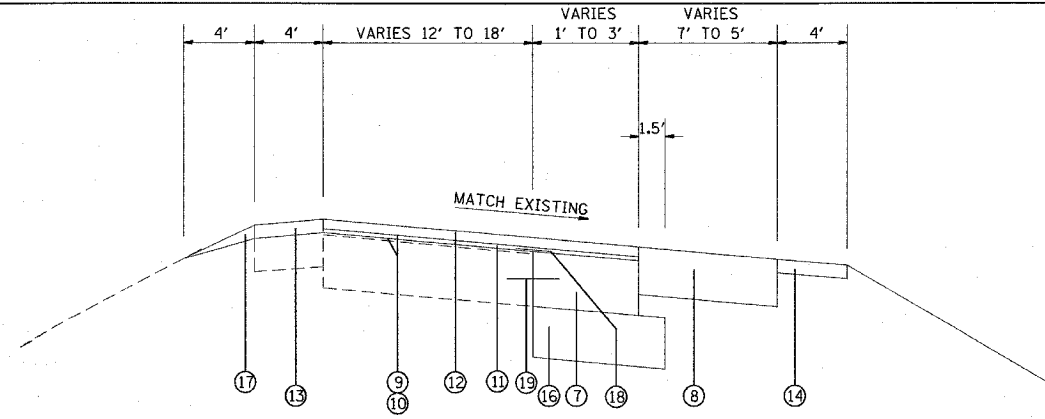
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REVISIONS	
NAME	DATE

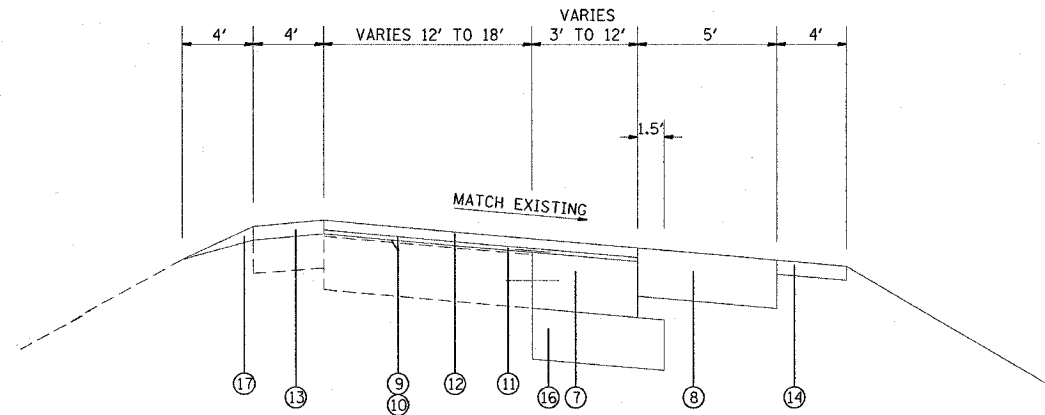
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**EXISTING TYPICALS**  
FAI ROUTE 55/70  
SECTION 60-7K-2  
MADISON COUNTY

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

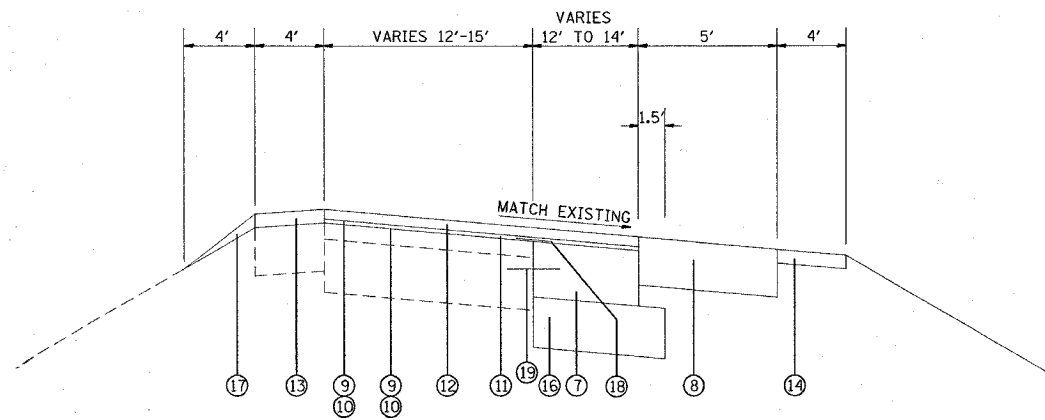
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	6
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



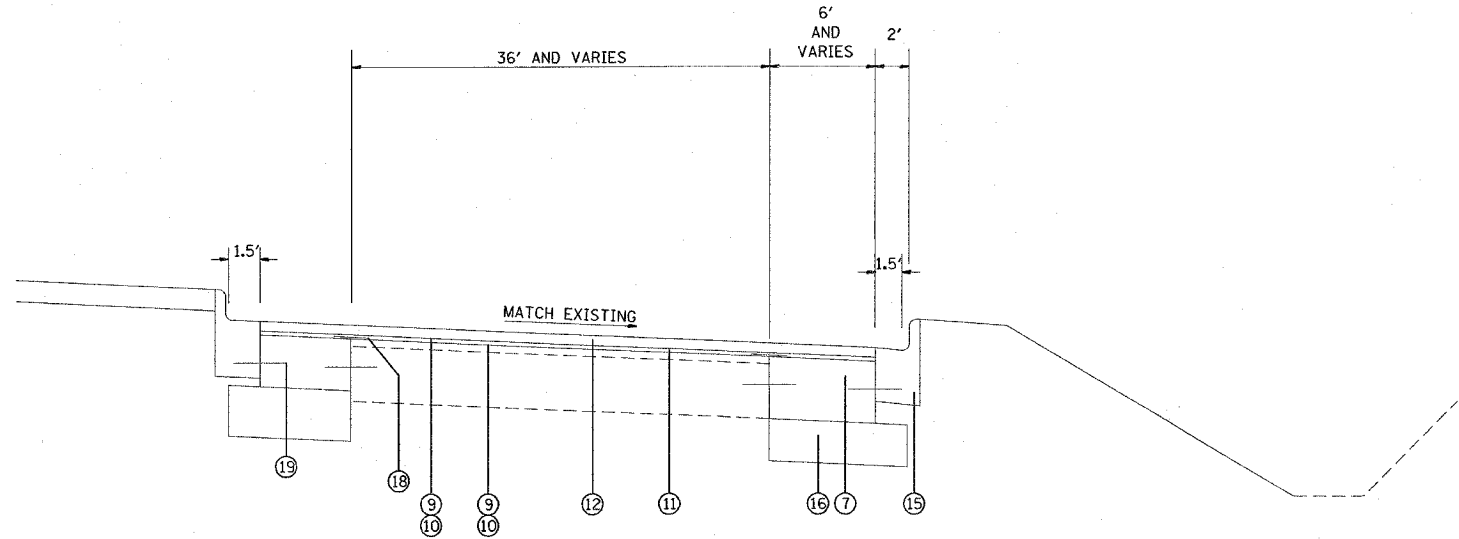
PROPOSED TYPICAL SECTION  
STA. 254+82 TO STA. 0+14



PROPOSED TYPICAL SECTION  
STA. 0+14 TO STA. 1+59



PROPOSED TYPICAL SECTION  
STA. 1+59 TO STA. 5+57



PROPOSED TYPICAL SECTION  
STA. 5+57 TO STA. 6+60

**LEGEND**

- ① EXISTING PCC PAVEMENT
- ② EXISTING HMA RESURFACING
- ③ EXISTING CURB AND GUTTER
- ④ EXISTING HMA SHOULDER
- ⑤ EXISTING MEDIAN SURFACE
- ⑥ PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- ⑦ PROPOSED PCC BASE COURSE, 10"
- ⑧ PROPOSED HMA SHOULDER, 8"
- ⑨ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ⑩ PROPOSED AGGREGATE PRIME COAT
- ⑪ PROPOSED HMA BINDER COURSE, 3/4"
- ⑫ PROPOSED HMA SURFACE COURSE, 1 1/2"
- ⑬ PROPOSED HMA SHOULDER RESURFACING, 2 1/4"
- ⑭ PROPOSED AGGREGATE SHOULDERS, 6"
- ⑮ PROPOSED PCC CURB AND GUTTER, TYPE B 6.24
- ⑯ PROPOSED SUB-BASE GRANULAR MATERIAL, 12"
- ⑰ PROPOSED AGGREGATE WEDGE
- ⑱ PROPOSED STRIP REFLECTIVE CRACK CONTROL
- ⑲ PROPOSED TIE BARS
- ⑳ PROPOSED MEDIAN SURFACE 4"

PLOT DATE = #DATE#  
FILE NAME = #FILE#  
DRAWN BY = #NAME#  
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PROPOSED TYPICAL SECTION**  
FAI ROUTE 55/70  
SECTION 60-7K-2  
MADISON COUNTY

SCALE: VERT.  
HORIZ.  
DATE

DRAWN BY  
CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	I
STA.		TO STA.		
FBI. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PAVING SCHEDULE

LOCATION			PAVED SHOULDER REMOVAL	HOT-MIX ASPHALT SHOULDERS, 8"	SUB-BASE GRANULAR MATERIAL, TYPE B 12"	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	HMA SURFACE REMOVAL, 1.5"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SHOULDERS MIX	LEVELING BINDER (MM)	HMA SURFACE COURSE	STRIP REFLECTIVE CRACK CONTROL TREATMENT	COMB CONC CURB & GUTTER TYPE B-6.24
STA	TO	STA	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	TON	FOOT	FOOT
254+82.	TO	255+01.5	17.2	15.1	5.4	2	30	0.019	0.090	-	1.3	2.5	19.5	-
255+01.5	=	0+00	-	-	-	-	-	-	-	-	-	-	-	-
0+00	TO	0+14	11.7	9.1	3.8	3	20	0.014	0.069	-	1.0	1.9	14	-
0+14	TO	0+23	7.2	5.0	3.7	3	21	0.016	0.076	-	0.7	1.4	9	-
0+23	TO	0+48.5	17.6	14.2	14.3	12	42	0.034	0.162	-	2.3	4.5	25.5	-
0+48.5	TO	1+00.	29.5	28.6	46.4	42	102	0.090	0.433	-	6.1	12.1	51.5	-
1+00.	TO	2+00.	57.2	55.6	138.9	131	208	0.212	1.017	2.3	14.2	28.5	100	-
2+00.	TO	3+00.	62.2	55.6	162.2	154	220	0.234	1.122	5.6	15.7	31.4	100	-
3+00.	TO	4+00.	60.0	55.6	141.1	133	262	0.247	1.185	5.6	16.6	33.2	100	-
4+00.	TO	5+00.	56.1	55.6	92.8	84	316	0.250	1.200	5.6	16.8	33.6	100	-
5+00.	TO	5+57.5	42.5	31.9	24.0	19	212	0.145	0.693	3.2	9.7	19.4	57.5	-
5+57.5	TO	5+74.	14.5	-	7.8	5	67	0.045	0.216	0.9	10.5	21.0	16.5	16
5+74.	TO	6+00.	24.6	-	-	-	122	0.076	0.365	1.3	5.1	10.2	-	26.5
6+00.	TO	6+25.	26.3	-	0.5	0	158	0.099	0.474	0.3	6.6	13.3	-	32
6+25.	TO	6+52.5	97.1	-	91.8	75	342	0.214	1.026	-	14.4	28.7	105	96.5
FOR SHOULDERS							197	0.060	0.300					
TOTALS			524	326	733	663	2319	1.8	8.4	25	121	242	699	171

EARTHWORK SCHEDULE

LOCATION			EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
STA	TO	STA	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
254+75	TO	0+00	0.81	0.61	8.77	-8.16
0+00	TO	0+25	3.59	2.69	16.34	-13.65
0+25	TO	0+50	7.39	5.54	19.15	-13.61
0+50	TO	0+75	10.26	7.70	24.99	-17.30
0+75	TO	1+00	12.71	9.53	31.5	-21.97
1+00	TO	1+25	15.28	11.46	38.62	-27.16
1+25	TO	1+50	17.56	13.17	41.42	-28.25
1+50	TO	1+75	19.02	14.27	41.67	-27.41
1+75	TO	2+00	20.62	15.47	39.71	-24.25
2+00	TO	2+25	22.36	16.77	35.72	-18.95
2+25	TO	2+41	16.16	12.12	16.31	-4.19
2+41	TO	2+50	8.23	6.17	9.47	-3.30
2+50	TO	2+75	21.20	15.90	35.57	-19.67
2+75	TO	3+00	20.86	15.65	36.53	-20.89
3+00	TO	3+25	19.58	14.69	45.53	-30.85
3+25	TO	3+50	17.95	13.46	53.56	-40.10
3+50	TO	3+75	16.94	12.71	53.51	-40.81
3+75	TO	4+00	16.49	12.37	50.56	-38.19
4+00	TO	4+25	14.62	10.97	44.58	-33.62
4+25	TO	4+50	13.05	9.79	37.4	-27.61
4+50	TO	4+75	11.14	8.36	31.66	-23.31
4+75	TO	5+00	9.36	7.02	25	-17.98
5+00	TO	5+25	7.42	5.57	17.27	-11.71
5+25	TO	5+50	4.31	3.23	8.31	-5.08
5+50	TO	5+75	3.30	2.48	3.75	-1.28
5+75	TO	6+00	3.33	2.50	2.49	0.01
6+00	TO	6+25	3.22	2.42	1.47	0.95
6+25	TO	6+39	2.05	1.54	0.56	0.98
TOTALS			339	254	771	-517

PAVEMENT MARKING SCHEDULE

LOCATION			4" PREFORMED PLASTIC					8" PREFORMED PLASTIC	12" PREFORMED PLASTIC	24" PREFORMED PLASTIC	PREFORMED PLASTIC LETTERS & SYMBOLS			RAISED REFLECTIVE PAVEMENT MARKERS	
			WHITE					WHITE	WHITE	WHITE	WHITE			ONE-WAY CRYSTAL	REMOVAL
			SKIP DASH, 2' - 6"	SKIP DASH, 10' - 30"	EDGE LINE	LANE LINE	EDGE LINE	WHITE	WHITE	WHITE	LEFT TURN ARROW	STRAIGHT/LEFT TURN ARROW	RIGHT TURN ARROW		
			FOOT	FOOT	FOOT	FOOT	FOOT	EDGE LINE	DIAGONALS	STOP BAR	SQ FT	SQ FT	SQ FT	EACH	EACH
254+82.	TO	255+01.5	10	-	19.5	-	-	19.5	-	-	-	-	-	-	-
255+01.5	=	0+00	-	-	-	-	-	-	-	-	-	-	-	-	-
0+00	TO	1+63.5	82	-	163.5	-	-	163.5	-	-	-	-	-	-	-
1+63.5	TO	3+85.	55	60	221.5	-	221.5	-	-	-	-	-	3	-	-
	TO	1+88.5	-	-	-	-	-	-	-	15.6	26	-	-	-	-
3+85.	TO	5+74.	-	50	189	189	189	-	-	-	-	-	3	6	-
	TO	3+91.5	-	-	-	-	-	-	-	15.6	26	-	-	-	-
	TO	4+10.	-	-	-	-	-	-	-	-	-	15.6	-	-	-
	TO	5+14.	-	-	-	-	-	-	-	-	-	-	-	-	-
5+74.	TO	5+90.	-	0	16	16	16	-	-	-	-	-	-	-	-
5+90.	TO	6+30.5	-	10	40.5	40.5	40.5	-	49.5	-	-	-	-	3	-
	TO	6+05.5	-	-	-	-	-	-	-	15.6	26	-	-	-	-
	TO	6+16.	-	-	-	-	-	-	-	-	-	15.6	-	-	-
	TO	6+29.	-	-	-	-	-	-	18	-	-	-	-	-	-
	TO	6+30.5	-	-	-	-	-	-	24	-	-	-	-	-	-
6+30.5	TO	6+52.5	-	-	67	232.5	-	-	119.5	-	-	-	-	11	4
SUB TOTALS			147	120	717	478	467	183	169	42	46.8	78	31.2	17	13
TOTALS					1929			183	169	42		156		17	13

MEDIAN SCHEDULE

LOCATION	MEDIAN REMOVAL	SUB-BASE GRANULAR MATERIAL TYPE B 12"	PCC BASE COURSE 10"	COMB CURB & GUTTER REMOVAL	CONC MEDIAN SURFACE REMOVAL	COMB CONC CURB & GUTTER TYPE B-6.24	CONC MEDIAN SURFACE 4"	CONC MEDIAN
	SF	SY	SY	FT	SF	FT	SF	SF
MEDIAN	14	17	13	59	250	34	97	39

REVISIONS	
NAME	DATE

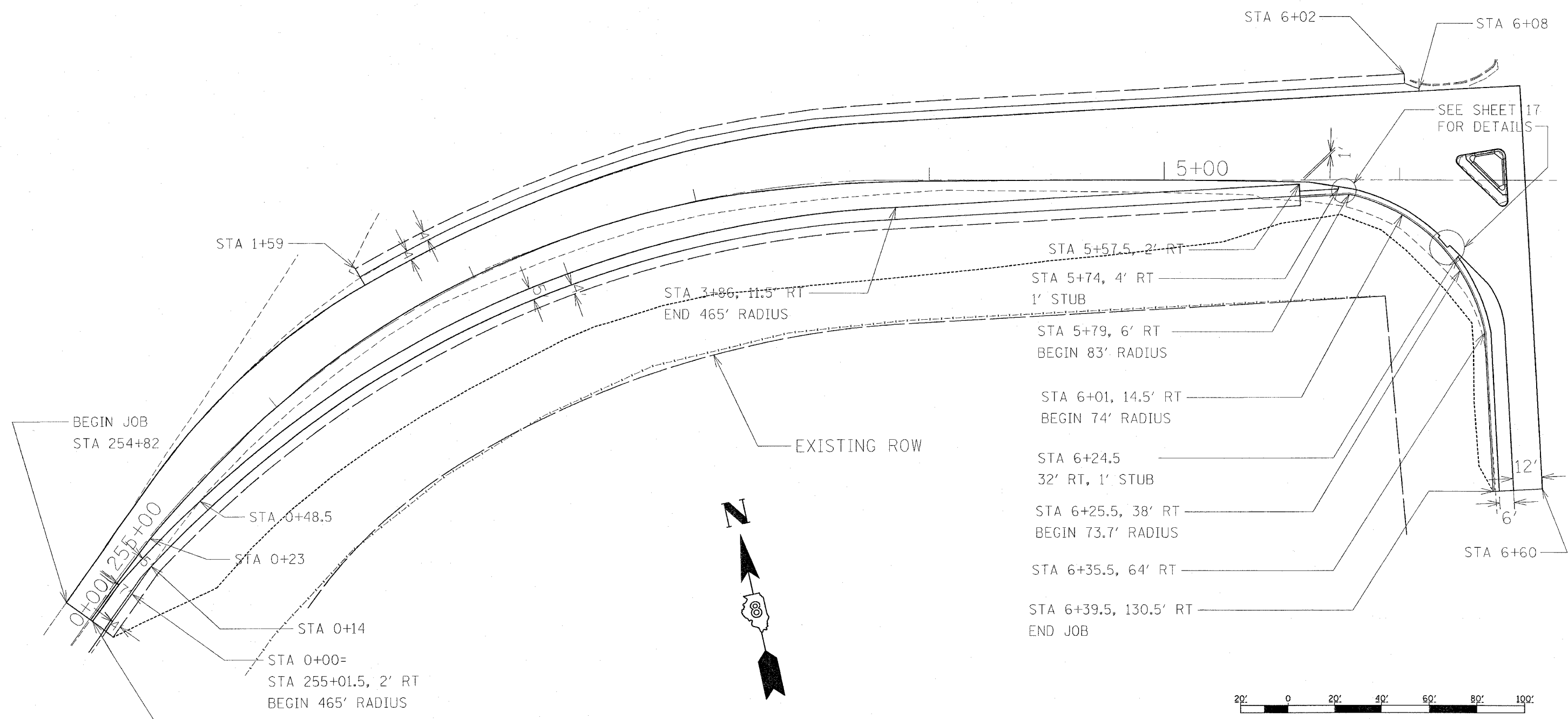
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SCHEDULE OF QUANTITIES**  
 FAIRROUTE 55/70  
 SECTION 60-7K-2  
 MADISON COUNTY

SCALE: VERT. DATE  
 HORIZ. DATE

DRAWN BY  
 CHECKED BY

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAN VIEW**  
 FAI ROUTE 55/70  
 SECTION 60-7K-2  
 MADISON COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	9
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT _____				

STA 4+86.5, 38.5' LEFT;  
 REMOVE SIGN PANEL TYPE 1, 6 SF  
 REMOVE GROUND MOUNTED SIGN SUPPORT, 1 EACH;  
 R5-1A 3' X 2', WRONG WAY;  
 SIGN PANEL TYPE 1, 6 SF;  
 WOOD SIGN SUPPORT, 14 FT

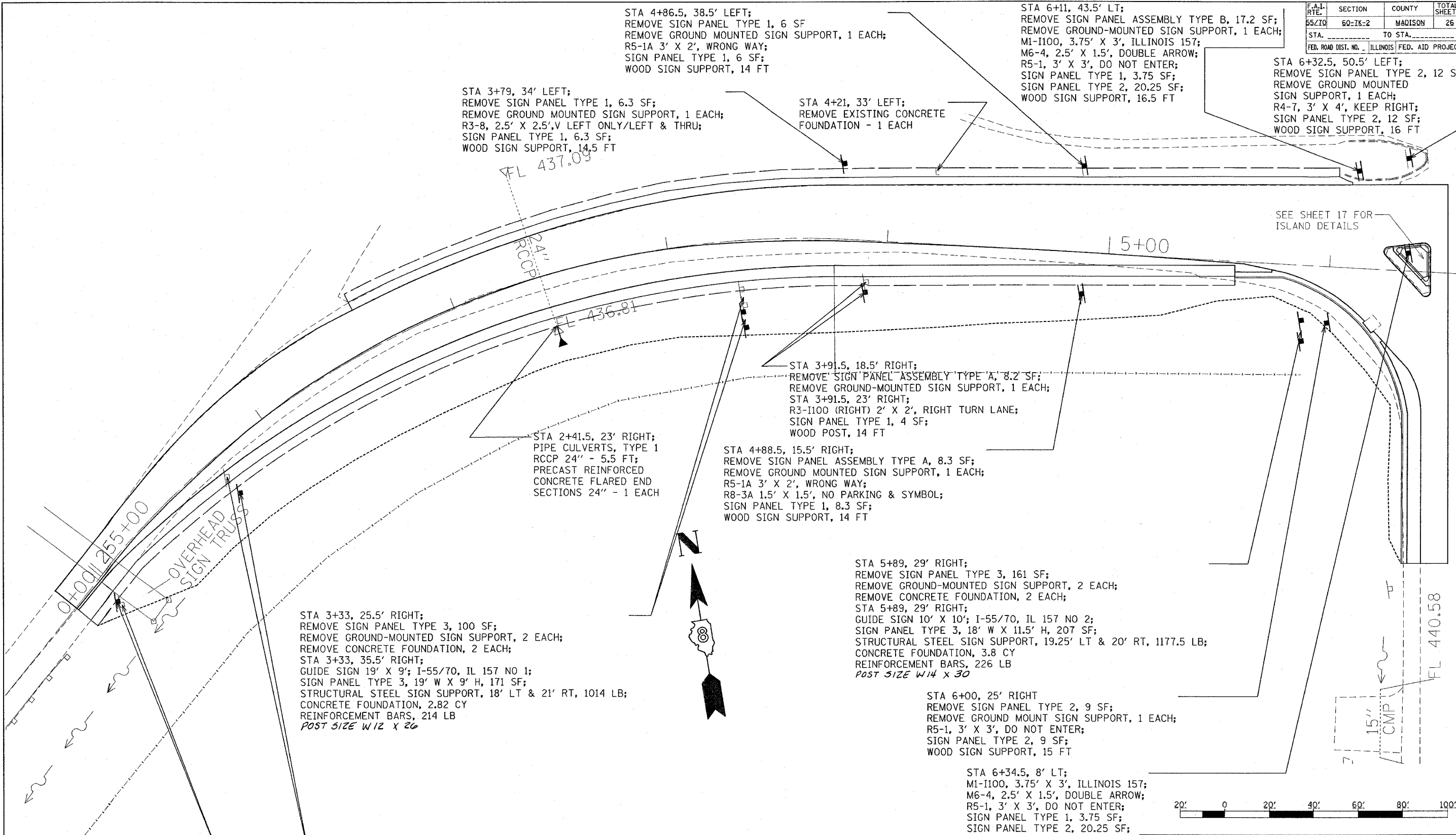
STA 6+11, 43.5' LT;  
 REMOVE SIGN PANEL ASSEMBLY TYPE B, 17.2 SF;  
 REMOVE GROUND-MOUNTED SIGN SUPPORT, 1 EACH;  
 M1-I100, 3.75' X 3', ILLINOIS 157;  
 M6-4, 2.5' X 1.5', DOUBLE ARROW;  
 R5-1, 3' X 3', DO NOT ENTER;  
 SIGN PANEL TYPE 1, 3.75 SF;  
 SIGN PANEL TYPE 2, 20.25 SF;  
 WOOD SIGN SUPPORT, 16.5 FT

STA 6+32.5, 50.5' LEFT;  
 REMOVE SIGN PANEL TYPE 2, 12 SF;  
 REMOVE GROUND MOUNTED SIGN SUPPORT, 1 EACH;  
 R4-7, 3' X 4', KEEP RIGHT;  
 SIGN PANEL TYPE 2, 12 SF;  
 WOOD SIGN SUPPORT, 16 FT

STA 3+79, 34' LEFT;  
 REMOVE SIGN PANEL TYPE 1, 6.3 SF;  
 REMOVE GROUND MOUNTED SIGN SUPPORT, 1 EACH;  
 R3-8, 2.5' X 2.5', V LEFT ONLY/LEFT & THRU;  
 SIGN PANEL TYPE 1, 6.3 SF;  
 WOOD SIGN SUPPORT, 14.5 FT

STA 4+21, 33' LEFT;  
 REMOVE EXISTING CONCRETE FOUNDATION - 1 EACH

SEE SHEET 17 FOR ISLAND DETAILS



STA 3+91.5, 18.5' RIGHT;  
 REMOVE SIGN PANEL ASSEMBLY TYPE A, 8.2 SF;  
 REMOVE GROUND-MOUNTED SIGN SUPPORT, 1 EACH;  
 STA 3+91.5, 23' RIGHT;  
 R3-I100 (RIGHT) 2' X 2', RIGHT TURN LANE;  
 SIGN PANEL TYPE 1, 4 SF;  
 WOOD POST, 14 FT

STA 2+41.5, 23' RIGHT;  
 PIPE CULVERTS, TYPE 1  
 RCCP 24" - 5.5 FT;  
 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" - 1 EACH

STA 4+88.5, 15.5' RIGHT;  
 REMOVE SIGN PANEL ASSEMBLY TYPE A, 8.3 SF;  
 REMOVE GROUND MOUNTED SIGN SUPPORT, 1 EACH;  
 R5-1A 3' X 2', WRONG WAY;  
 R8-3A 1.5' X 1.5', NO PARKING & SYMBOL;  
 SIGN PANEL TYPE 1, 8.3 SF;  
 WOOD SIGN SUPPORT, 14 FT

STA 5+89, 29' RIGHT;  
 REMOVE SIGN PANEL TYPE 3, 161 SF;  
 REMOVE GROUND-MOUNTED SIGN SUPPORT, 2 EACH;  
 REMOVE CONCRETE FOUNDATION, 2 EACH;  
 STA 5+89, 29' RIGHT;  
 GUIDE SIGN 10' X 10'; I-55/70, IL 157 NO 2;  
 SIGN PANEL TYPE 3, 18' W X 11.5' H, 207 SF;  
 STRUCTURAL STEEL SIGN SUPPORT, 19.25' LT & 20' RT, 1177.5 LB;  
 CONCRETE FOUNDATION, 3.8 CY  
 REINFORCEMENT BARS, 226 LB  
 POST SIZE W14 X 30

STA 6+00, 25' RIGHT  
 REMOVE SIGN PANEL TYPE 2, 9 SF;  
 REMOVE GROUND MOUNT SIGN SUPPORT, 1 EACH;  
 R5-1, 3' X 3', DO NOT ENTER;  
 SIGN PANEL TYPE 2, 9 SF;  
 WOOD SIGN SUPPORT, 15 FT

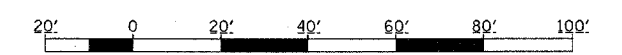
STA 6+34.5, 8' LT;  
 M1-I100, 3.75' X 3', ILLINOIS 157;  
 M6-4, 2.5' X 1.5', DOUBLE ARROW;  
 R5-1, 3' X 3', DO NOT ENTER;  
 SIGN PANEL TYPE 1, 3.75 SF;  
 SIGN PANEL TYPE 2, 20.25 SF;  
 WOOD SIGN SUPPORT, 16.5 FT

STA 3+33, 25.5' RIGHT;  
 REMOVE SIGN PANEL TYPE 3, 100 SF;  
 REMOVE GROUND-MOUNTED SIGN SUPPORT, 2 EACH;  
 REMOVE CONCRETE FOUNDATION, 2 EACH;  
 STA 3+33, 35.5' RIGHT;  
 GUIDE SIGN 19' X 9'; I-55/70, IL 157 NO 1;  
 SIGN PANEL TYPE 3, 19' W X 9' H, 171 SF;  
 STRUCTURAL STEEL SIGN SUPPORT, 18' LT & 21' RT, 1014 LB;  
 CONCRETE FOUNDATION, 2.82 CY  
 REINFORCEMENT BARS, 214 LB  
 POST SIZE W12 X 26

STA 254+96.5, 16' RIGHT;  
 REMOVE SIGN PANEL TYPE 2, 12 SF;  
 REMOVE GROUND MOUNTED SIGN SUPPORT, 1 EACH;  
 STA 254+96.5, 13.5' RIGHT;  
 W13-3 3' X 4', RAMP SPEED 35 MPH;  
 SIGN PANEL TYPE 2, 12 SF;  
 WOOD SIGN SUPPORT, 16 FT

STA 0+71, 10' RIGHT  
 REMOVE SIGN PANEL TYPE 1, 5 SF;  
 REMOVE GROUND MOUNTED SIGN SUPPORT, 1 EACH;  
 STA 0+71, 19.5' RIGHT;  
 R8-3 2' X 2.5', NO PARKING;  
 SIGN PANEL TYPE 1, 5 SF;  
 WOOD SIGN SUPPORT, 14.5 FT

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 PLOT DATE =  
 PLOT SCALE =  
 REFERENCE =



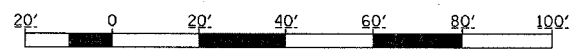
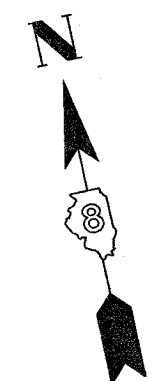
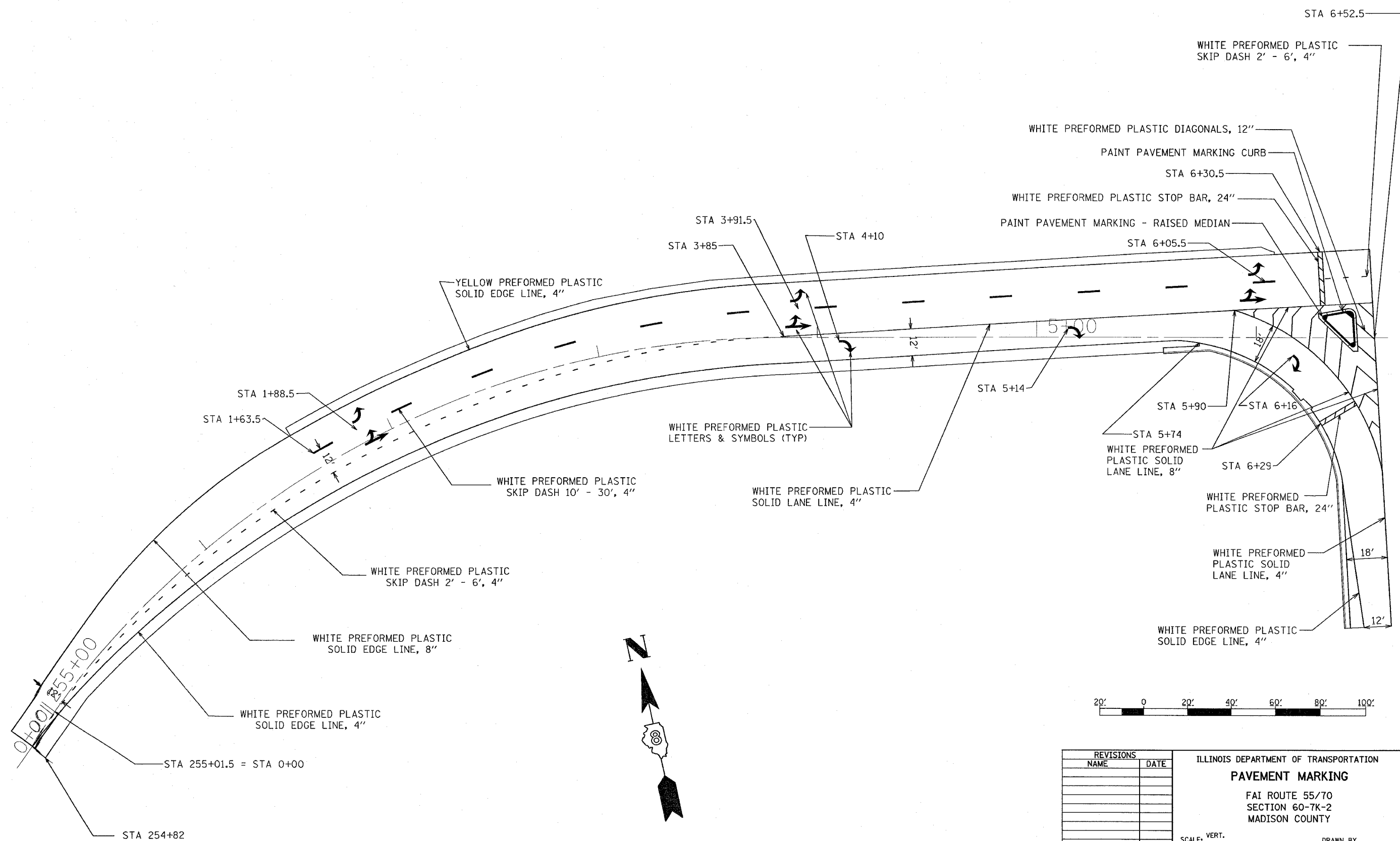
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DRAINAGE, SIGNING,  
 & ISLANDS**  
 FAI ROUTE 55/70  
 SECTION 60-7K-2  
 MADISON COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

CONTRACT NO. 76B04				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
65/70	60-7K-2	MADISON	26	10
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



# DATE  
 # FILE#  
 # PLOT SCALE  
 # REFERENCE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING**  
 FAI ROUTE 55/70  
 SECTION 60-7K-2  
 MADISON COUNTY  
 SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

















### GENERAL NOTES-LIGHTING

1. ALL MOUNTING HARDWARE AND SUPPORTS SHALL BE STAINLESS STEEL OR ALUMINUM.
2. LIGHT POLE FOUNDATION SHALL BE CONCRETE (SEE SPECIAL PROVISIONS).
3. THE LOCATION OF LIGHT POLES SHALL BE APPROVED BY THE ENGINEER BEFORE THEIR FOUNDATIONS ARE CONSTRUCTED.
4. THE EXISTING LIGHTING CIRCUITRY IS 120/240 VOLT.
5. SPLICES SHALL BE MADE IN POLE BASES ONLY.
6. THE MINIMUM STORAGE LENGTH (SLACK) OF ELCTRIC CABLE AT THE POLE BASE SHALL BE 1'-6".

### GENERAL NOTES-TRAFFIC SIGNALS

1. ALL VEHICLES AND 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.
5. ALL TRAFFIC SIGNAL CABLE SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTOR.
6. THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT. THE NUMBER OF TURNS OF WIRE FOR INDUCTIVE LOOP DETECTOR INSTALLATION SHALL BE AS SHOWN ON THE PLANS.
13. LOCATE UNDERGROUND CABLES PRIOR TO ATTEMPTING TO CONSTRUCT THIS PROJECT.
41. ALL CABLE SPLICES SHALL BE MADE AT THE TERMINAL STRIPS. THE CONTRACTOR SHALL INSTALL ADDITIONAL TERMINAL STRIPS INSIDE THE CONTROLLER CABINET, IF EXISTING CABLES NEED TO BE EXTENDED FOR MAKING PROPER ELECTRICAL CONNECTIONS, AT NO ADDITIONAL COST. THE COST OF LABOR AND MAERIAL SHALL BE CONSIDERED INCIDENTAL TO THIS CONTRACT.
42. THE QUANTITY OF DETECTOR LOOPS IN THE BINDER COURSE IS THE TOTAL QUANTITY. ONLY DAMAGED DETECTOR LOOPS SHALL BE REPLACED. AS A RESULT ACTUAL QUANTITY MAY DIFFER THAN SHOWN ON THE PLANS.
43. ALL CABLE SPLICES SHALL BE MADE AT THE TERMINAL STRIPS. THE CONTRACTOR SHALL INSTALL ADDITIONAL TERMINAL STRIPS INSIDE THE CONTROLLER CABINET, IF EXISTING CABLES NEED TO BE EXTENDED FOR MAKING PROPER ELECTRICAL CONNECTIONS. AT NO ADDITIONAL COST TO THE DEPARTMENT. THE COST OF LABOR AND MATERIAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

**TRAFFIC SIGNALS LEGEND**

RREC	REMOVE & REINSTALL ELECTRIC CABLE FROM CONDUIT
GSC	GALVANIZED STEEL CONDUIT
PVCC	POLYVINYL CHLORIDE CONDUIT
UD	UNIT-DUCT
	EXISTING SIGNAL POST
	EXISTING TRAFFIC SIGNAL MAST ARM
	EXISTING HANDHOLE
	EXISTING HEAVEY DUTY HANDHOLE
	EXISTING DETECTOR LOOP
	EXISTING CONTROLLER
	EXISTING STREET NAME SIGN/TRAFFIC SIGN
	EXISTING SERVICE INSTALLATION
	EXISTING GALVANIZED STEEL CONDUIT
	PROPOSED SIGNAL HEAD, BRACKET MOUNTED
	PROPOSED DETECTOR LOOP
	RELOCATED LIGHTING UNIT
	EXISTING LIGHTING UNIT
	EXISTING UNDERGROUND UNI DUCT CABLE
	PROPOSED UNI DUCT CABLE WITH GROUND
	PROPOSED LIGHTING CONDUIT, GALVANIZED, PUSHED

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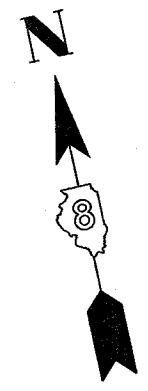
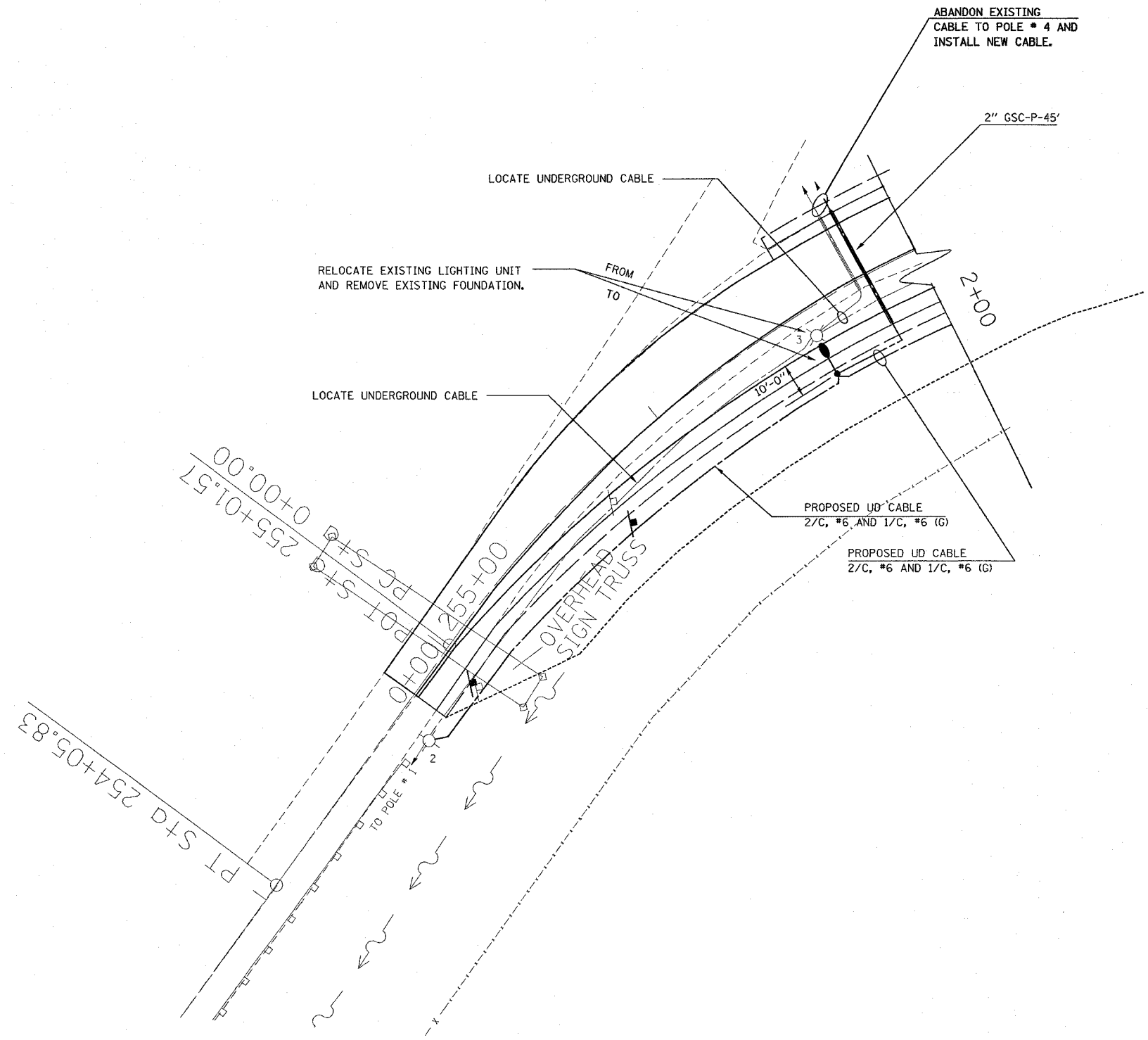
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL GENERAL NOTES  
 AND LEGEND**  
 FAI ROUTE 55/70  
 SECTION 60-7K-2  
 MADISON COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

CONTRACT NO. 76B04			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
55/70	60-7K-2	MADISON	26-12
STA. _____		TO STA. _____	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

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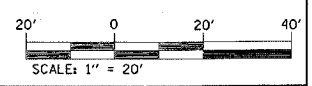
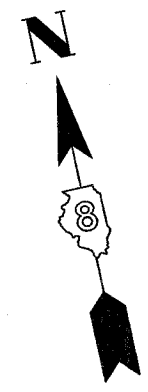
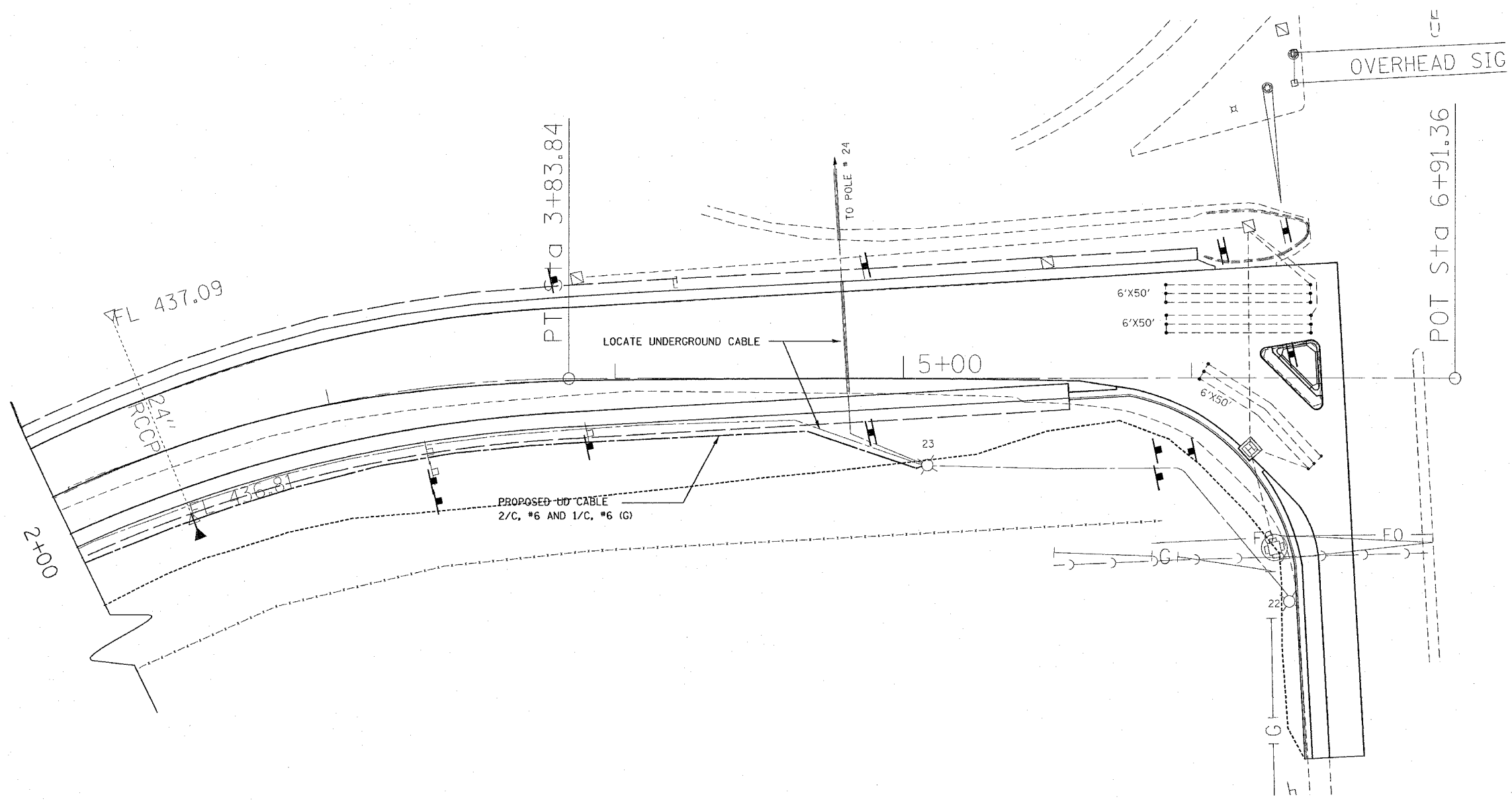
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LIGHTING PLAN**  
 FAP ROUTE 55/70  
 SECTION 60-7K-2  
 COUNTY MADISON

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

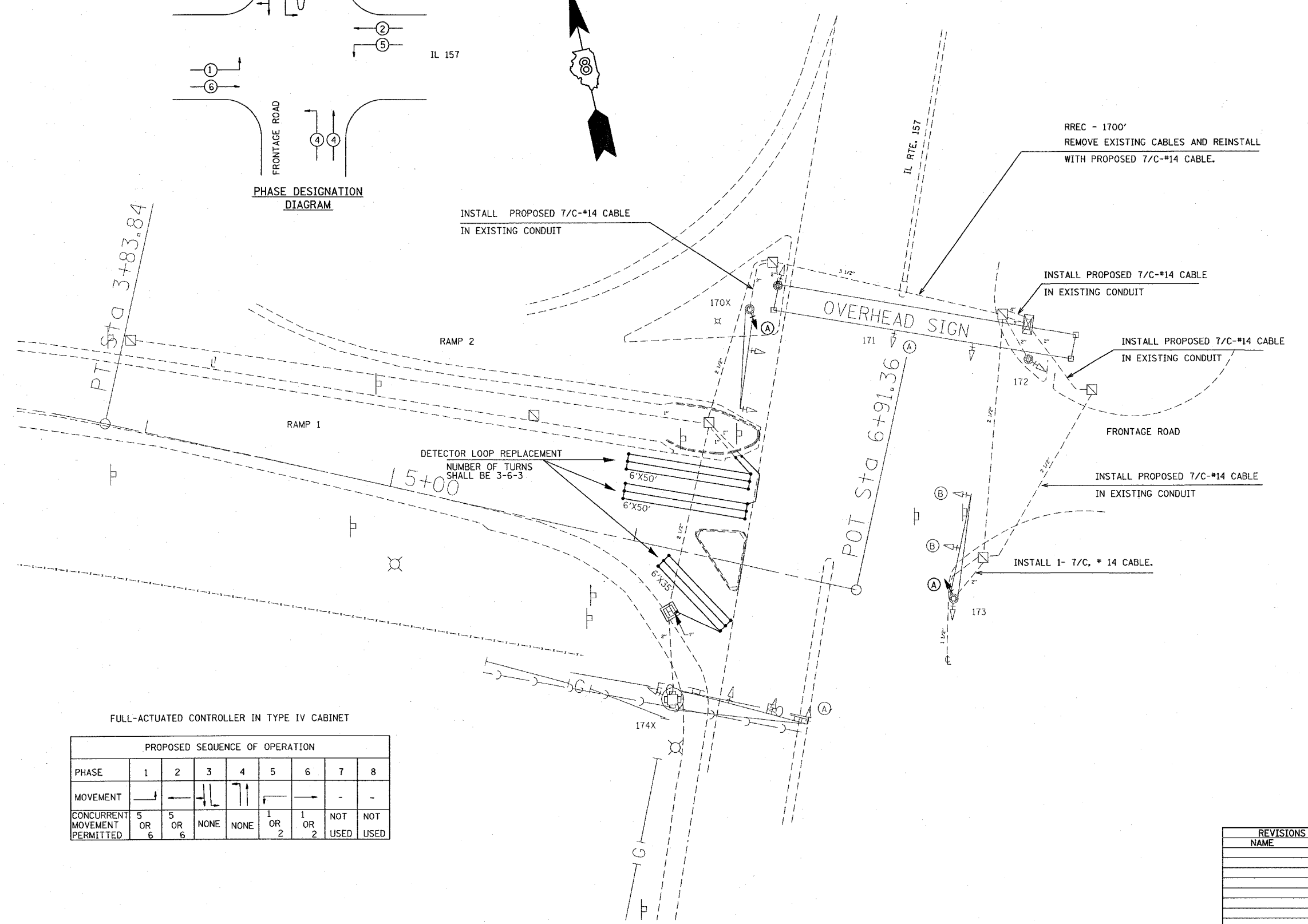
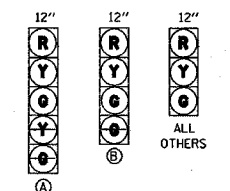
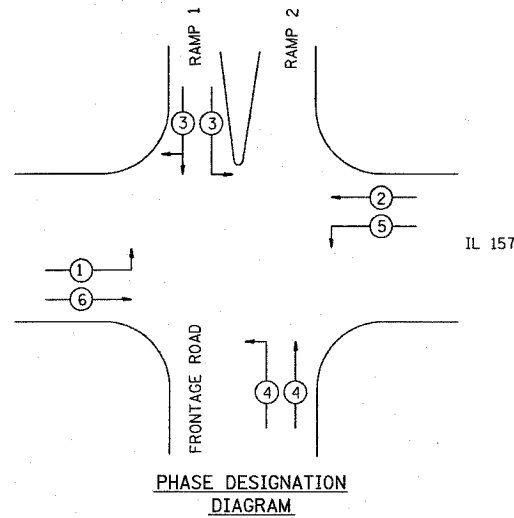


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REVISIONS	
NAME	DATE

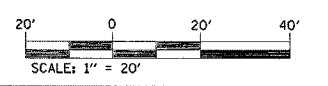
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**LIGHTING PLAN**  
 FAP ROUTE 55/70  
 SECTION 60-7K-2  
 COUNTY MADISON  
 SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FULL-ACTUATED CONTROLLER IN TYPE IV CABINET

PROPOSED SEQUENCE OF OPERATION								
PHASE	1	2	3	4	5	6	7	8
MOVEMENT	→	←	↔	↕	↔	←	-	-
CONCURRENT MOVEMENT PERMITTED	5 OR 6	5 OR 6	NONE	NONE	1 OR 2	1 OR 2	NOT USED	NOT USED



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNALS**

FAP ROUTE 55/70  
SECTION 60-7K-2  
COUNTY MADISON

SCALE: VERT. HORIZ.  
DATE

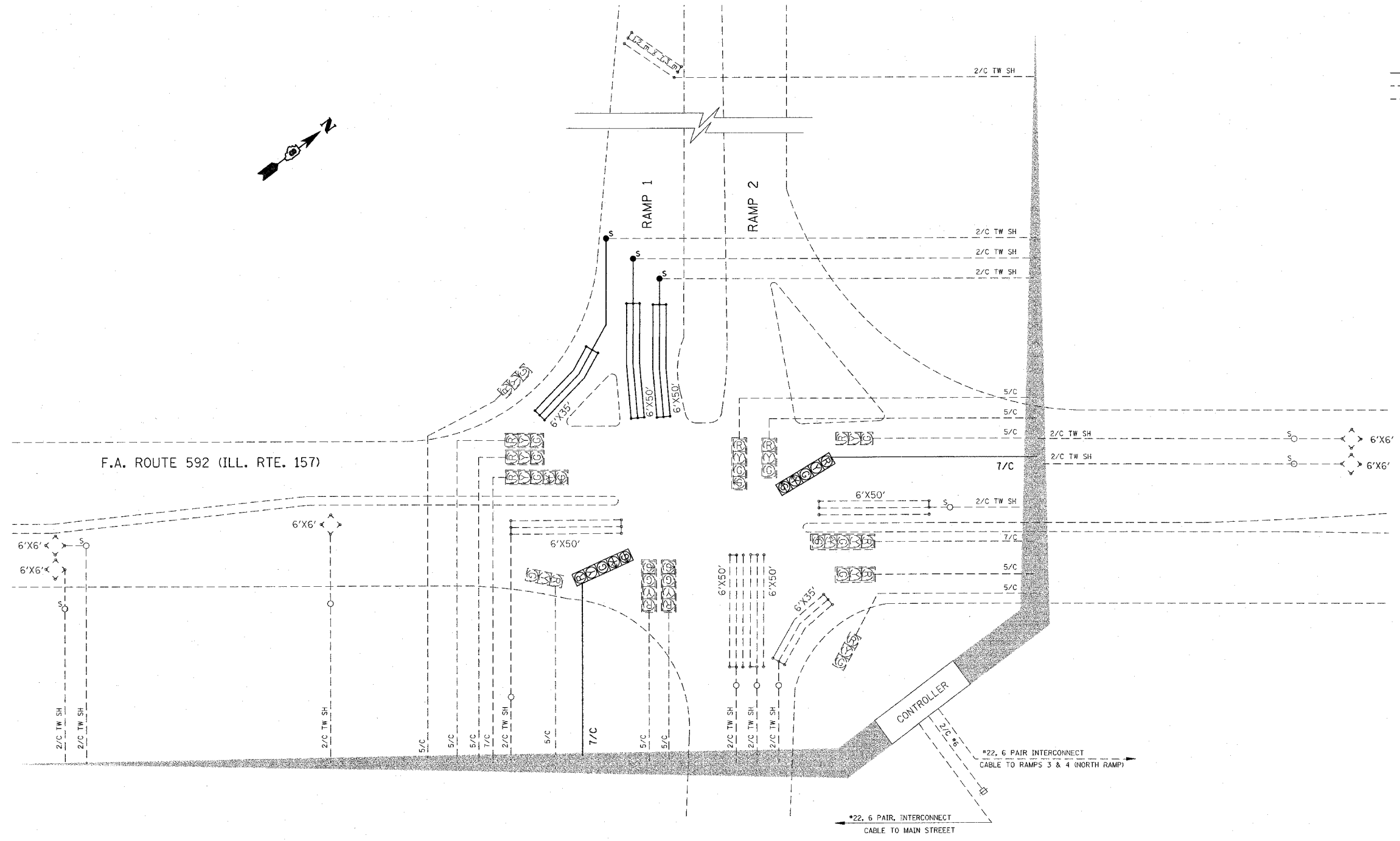
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CHECKED BY

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
65/70	60-7K-2	MADISON	26	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**CABLE DIAGRAM LEGEND**

- ELECTRIC CABLE IN CONDUIT
- - - EXISTING ELECTRIC CABLE IN CONDUIT
- - - S - - - EXISTING CABLE SPLICE
- 2/C INDICATES NUMBER OF CONDUCTORS IN CABLE
- TW SH TWISTED AND SHIELDED CABLE
- \*6 INDICATES AMERICAN WIRE GAUGE (AWG) SIZE 6 CONDUCTORS
- ⊞ EXISTING SERVICE INSTALLATION
- R.R.E.C. REMOVE & REINSTALL ELECTRIC CABLE FROM CONDUIT

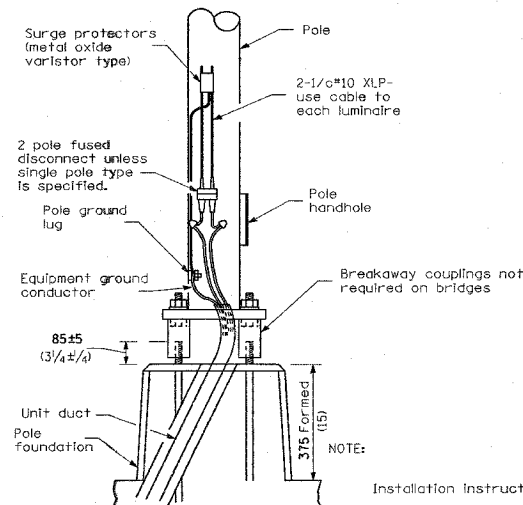


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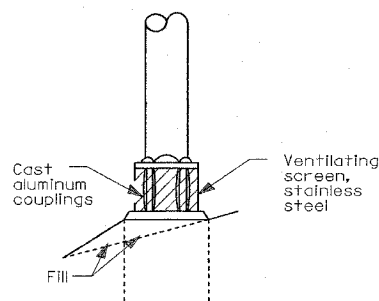
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CABLE DIAGRAM**  
 FAI ROUTE 55/70  
 SECTION 60-7K-2  
 MADISON COUNTY  
 SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

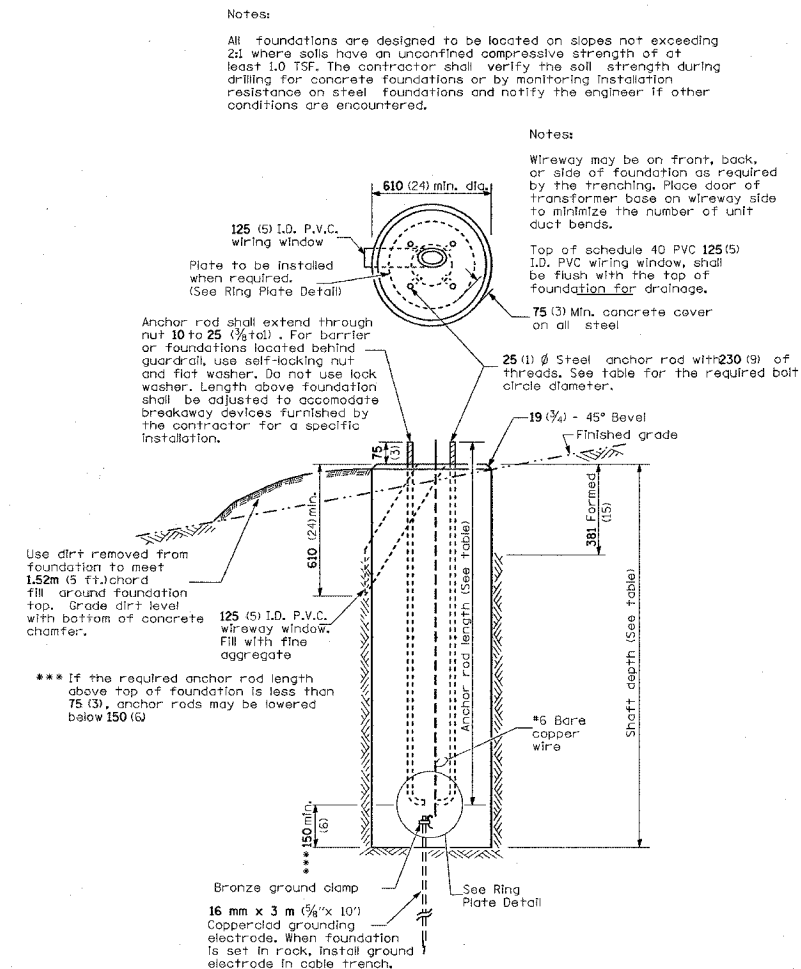
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



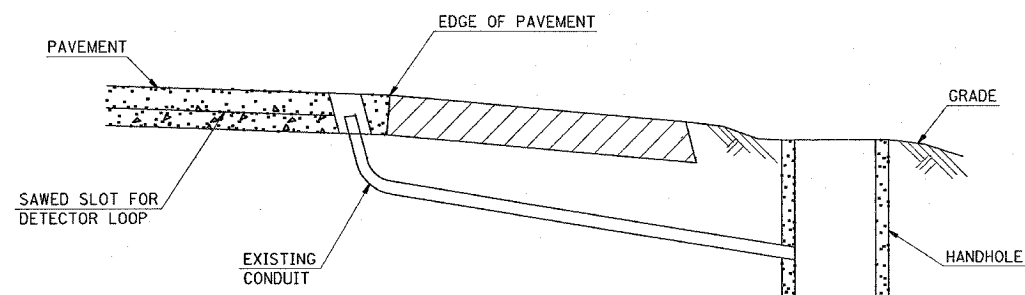
POLE BASE MOUNTING & WIRING



BREAKAWAY COUPLING



CONCRETE FOUNDATION



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.
- 6 LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY..

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

LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	STEEL FOUNDATION		CONCRETE FOUNDATION		
		SHAFT DIAMETER	SHAFT DEPTH	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH *
9.1 m (30')	292 mm (11 1/2")	220 mm (8 5/8")	1.83 m (6'-0")	610mm (24")	1.52 m (5'-0")	1.45 m (4'-9")
9.4 m - 10.7 m (31'-35')	292 mm (11 1/2")	220 mm (8 5/8")	1.83 m (6'-0")	610mm (24")	1.67 m (5'-6")	1.60 m (5'-3")
10.9 m - 12.2 m (36'-40')	381 mm (15")	220 mm (8 5/8")	1.83 m (6'-0")	610mm (24")	1.83 m (6'-0")	1.75 m (5'-9")
12.5 m - 13.7 m (41'-45')	381 mm (15")	220 mm (8 5/8")	1.83 m (6'-0")	610mm (24")	1.98 m (6'-6")	1.90 m (6'-3")
14.0 m - 15.2 m (46'-50')	381 mm (15")	220 mm (8 5/8")	2.44 m (8'-0")	610mm (24")	2.13m (7'-0")	2.00 m (6'-9")

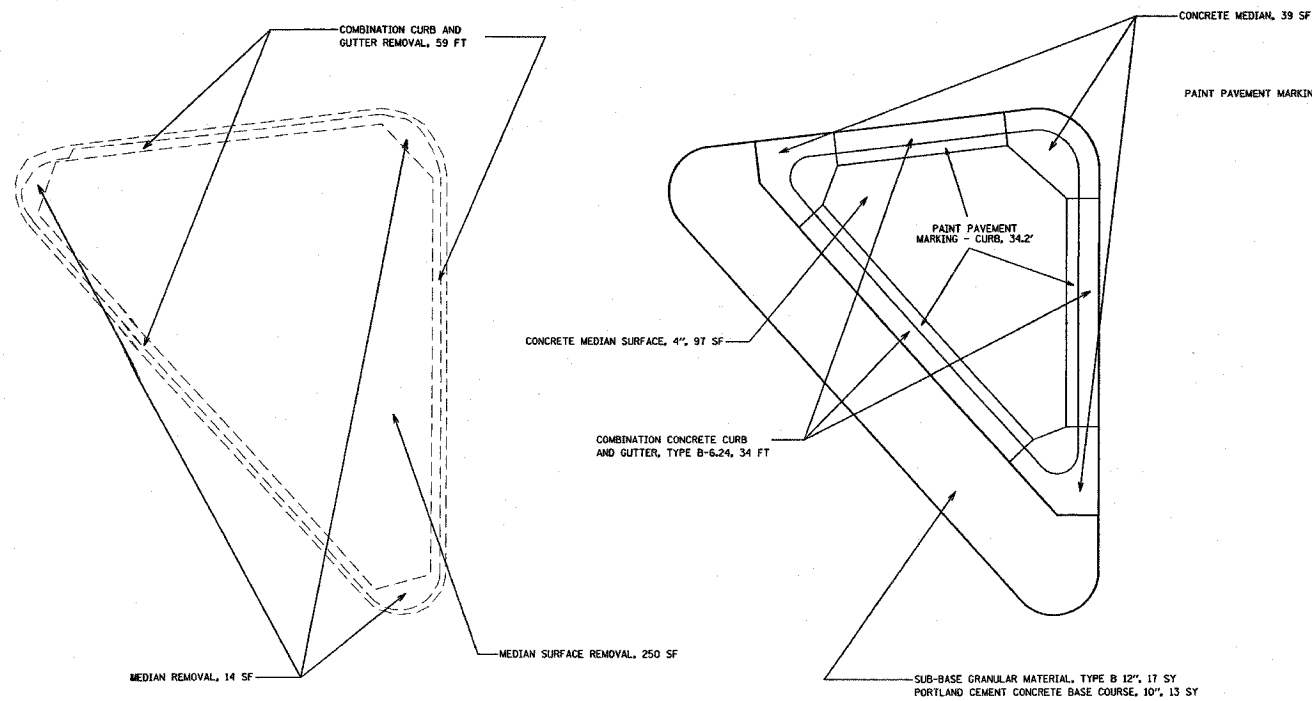
\* Length does not include 100(4)hook

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PLOT DATE = DATE  
PLOT SCALE = SCALE  
REFERENCE = REF

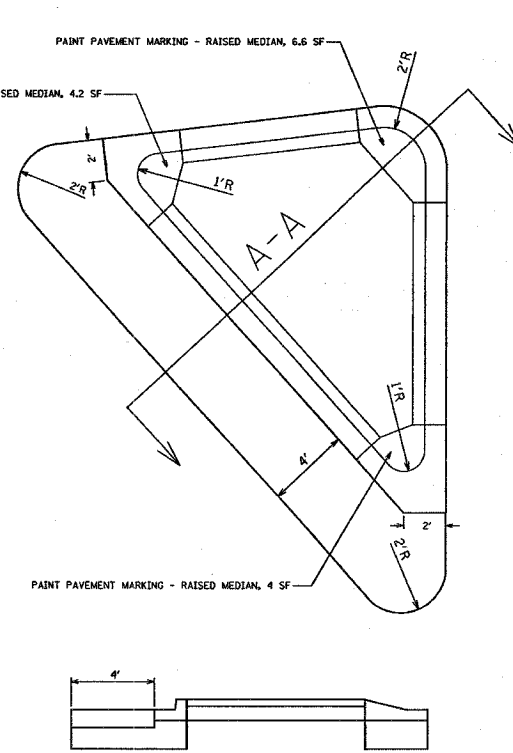
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>ELECTRICAL DETAILS</b> FAI ROUTE 55/70 SECTION 60-7K-2 MADISON COUNTY SCALE: VERT. _____ DATE _____ HORIZ. _____ DRAWN BY _____ CHECKED BY _____



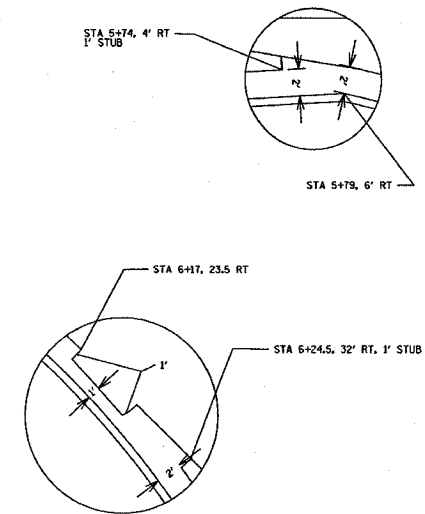
CONTRACT NO. 16B04				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	11
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		



ISLAND DETAILS

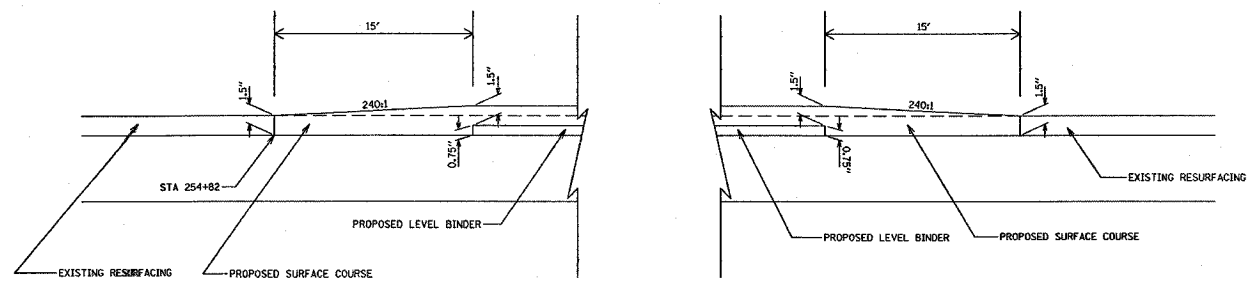


SECTION A-A

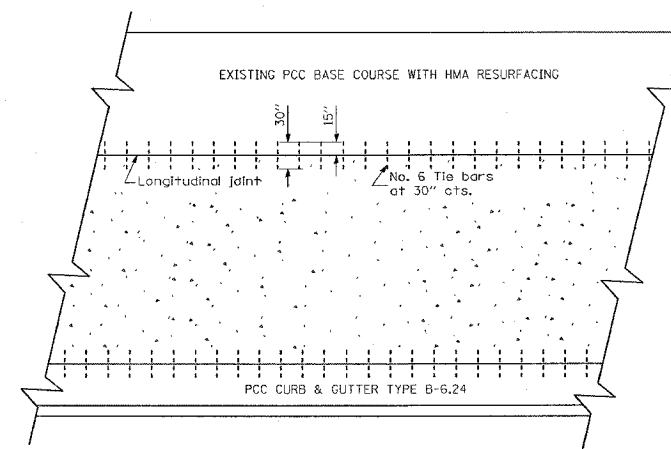


TRANSITION DETAILS

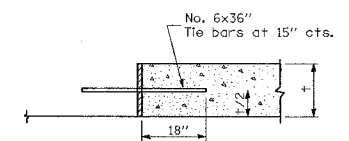
COST OF TRANSITIONS INCLUDED IN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24



RESURFACING DETAIL



LONGITUDINAL JOINT



TRANSVERSE JOINT

TIE BARS FOR PCC BASE COURSE

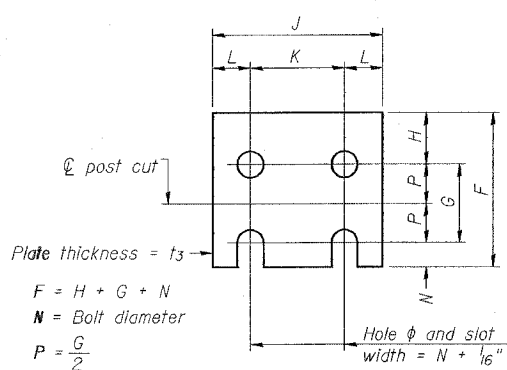
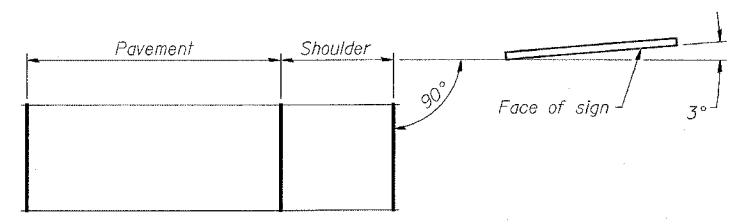
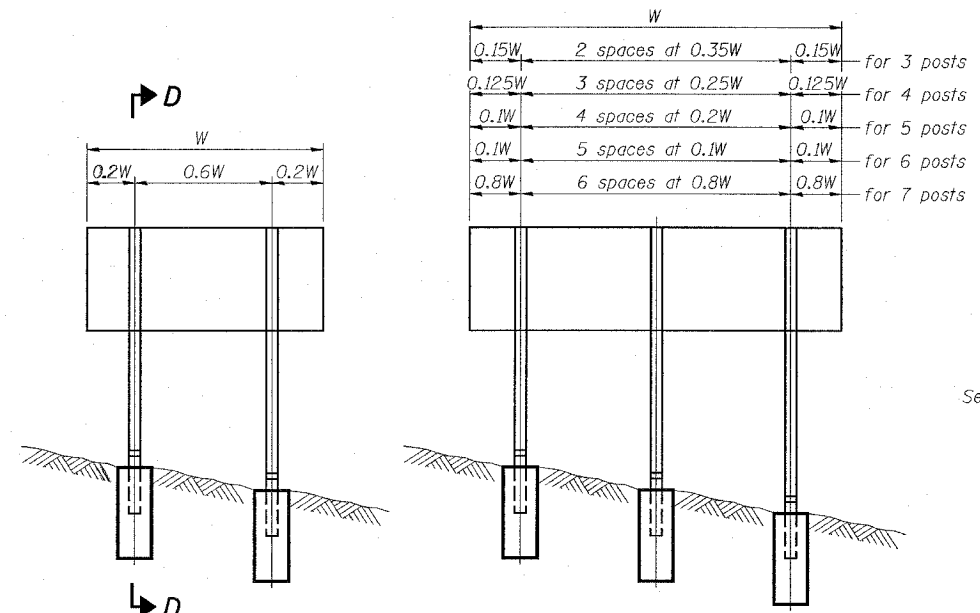
COST OF TIE BARS INCLUDED IN PCC BASE COURSE, 10"

REVISIONS	
NAME	DATE

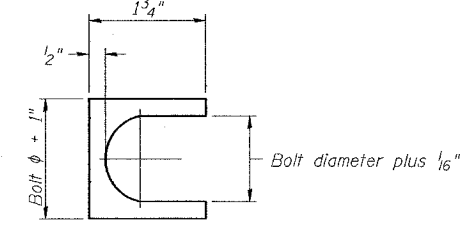
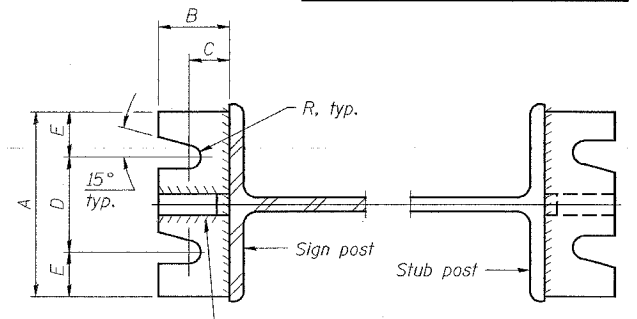
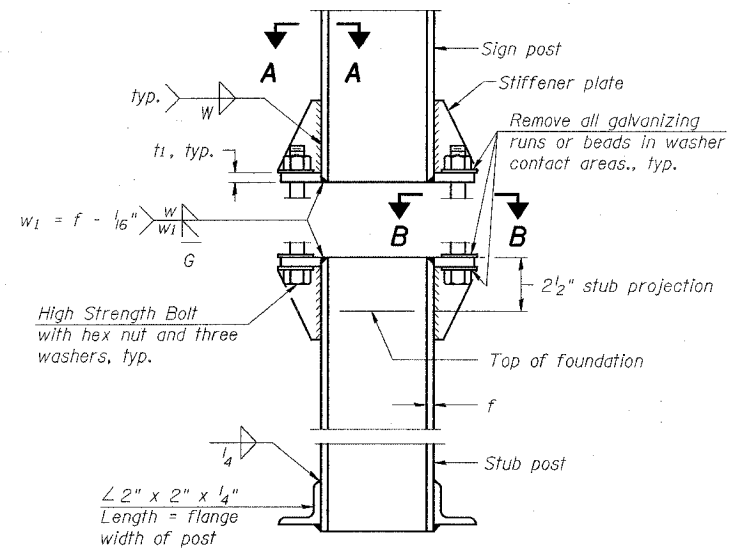
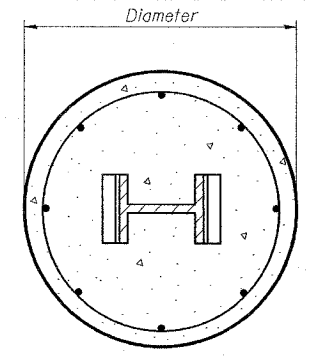
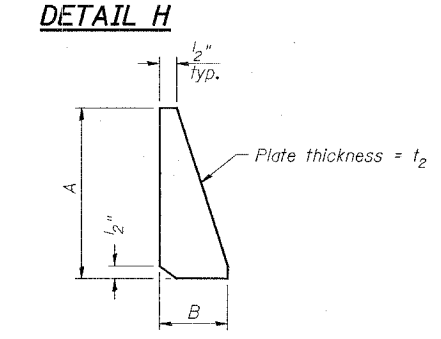
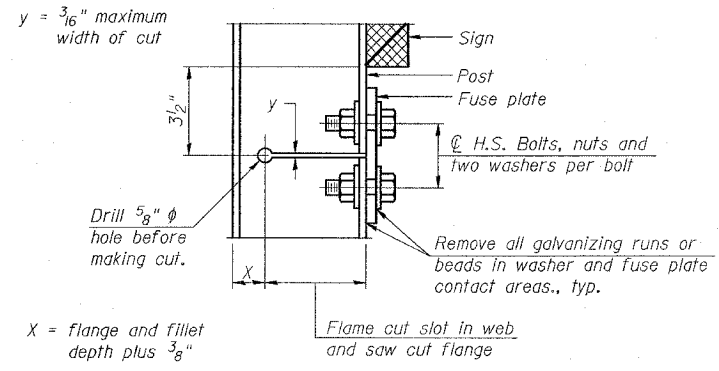
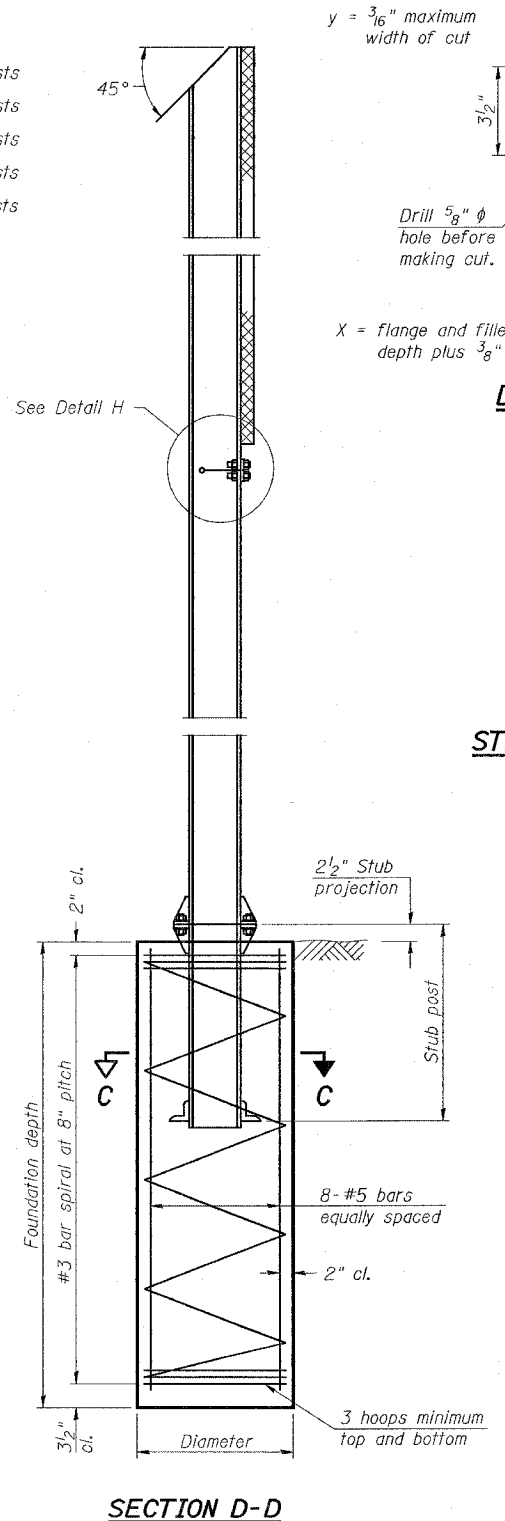
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAN DETAILS**  
 FAI ROUTE 55/70  
 SECTION 60-7K-2  
 MADISON COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

PLOT DATE = 8/27/88  
 FILE NAME = 880811  
 PLOT SCALE = 1/8"=1'-0"  
 REFERENCE = 880811



N = Bolt Diameter	G	H
1/2"	2"	1 1/8"
5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"
1 1/4"	3 1/2"	1 7/8"



**GENERAL NOTES**

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:  
 Structural steel - 20,000 p.s.i.  
 Reinforcing steel - 20,000 p.s.i.  
 Concrete - 1,400 p.s.i.  
 Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

**BREAK-AWAY WIDE FLANGE STEEL SIGN POST DETAILS**

FAI ROUTE 55/70  
 SECTION 60-7K-2  
 MADISON COUNTY

(Sheet 1 of 2)

NUMBER	REVISION	DATE

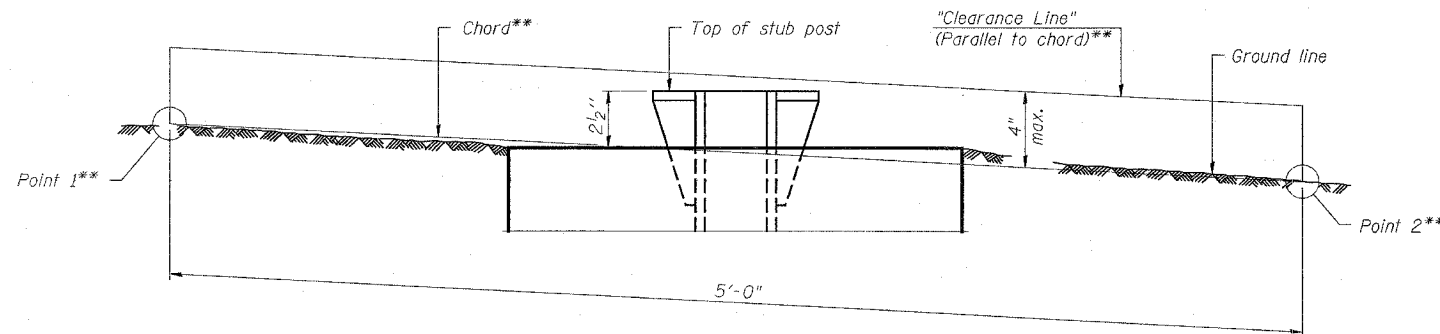
PLOT DATE = 08/01/06  
 FILE NAME = 081106  
 SHEET NO. = 26  
 REFERENCE = 08/01/06

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-TK-2	MADISON	26	19
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA										FUSE PLATE DATA				
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t <sub>1</sub>	t <sub>2</sub>	R	W	J	K	L	t <sub>3</sub>	
	Diameter	Minimum Depth	Concrete (1) cu. yds.	Vertical Bars Length	Bar Spirals Diameter Length	lbs. (2)																
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	5/32"	1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	5/32"	1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	5/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	5/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	5/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-0"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	5/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	5/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

\*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE																				
	Sign Height																				
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"	17'-0"	18'-0"	19'-0"	20'-0"	21'-0"	22'-0"	23'-0"	24'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	5/8" x 1 3/4"	5/8" x 1 3/4"	5/8" x 1 3/4"	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	7/8" x 2"	7/8" x 2"	---	---	---	---	---	---	---	---	---	---	---
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	---	---	---	---	---	---	---	---
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	1" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W10x26	---	---	---	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W12x26	---	---	---	---	---	5/8" x 2 1/4"	---	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 1/2"	1" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W14x38	---	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"
W16x45	---	---	---	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"



**ELEVATION  
GROUND LINE & STUB POST**

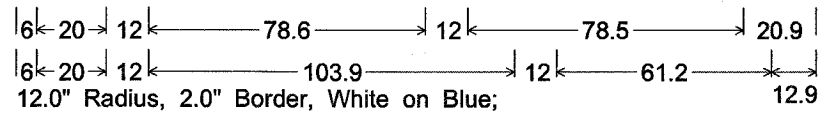
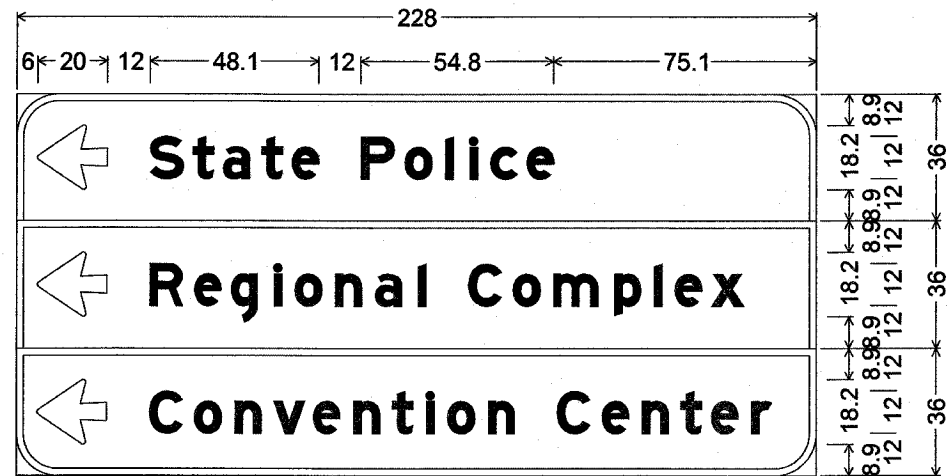
\*\* For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- (1) Quantity includes all concrete necessary for one foundation.
- (2) Includes reinforcement bars and spiral hooping for one foundation.

NUMBER	REVISION	DATE

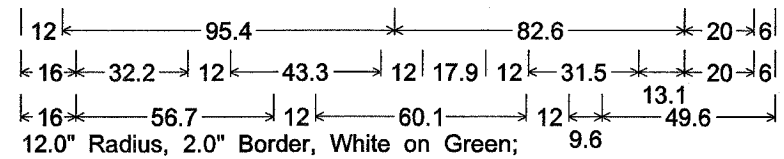
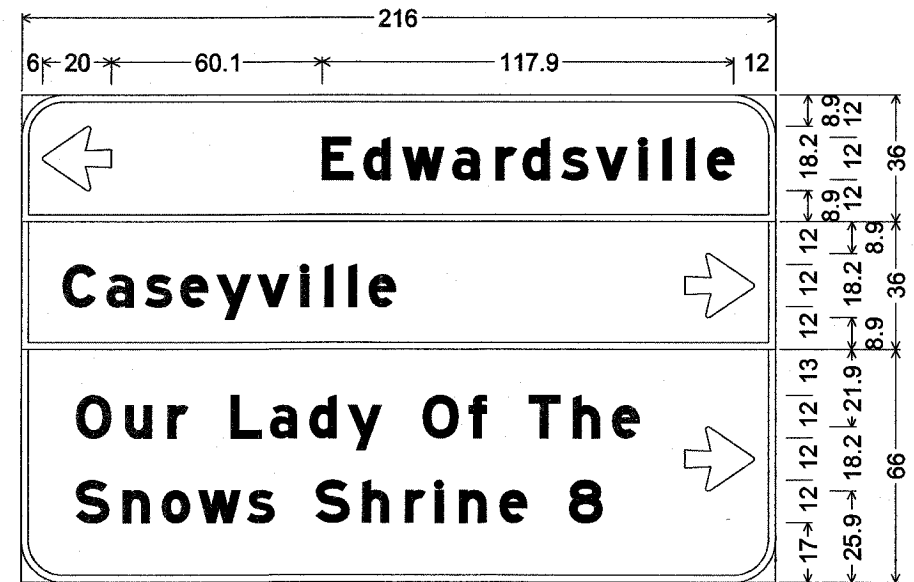
**BREAK-AWAY WIDE FLANGE  
STEEL SIGN POST TABLES**

FAI ROUTE 55/70  
SECTION 60-TK-2  
MADISON COUNTY



12.0" Radius, 2.0" Border, White on Blue;  
 Arrow 133 - 20.0" 180°; [State Police] E Mod;  
 12.0" Radius, 2.0" Border, White on Green;  
 Arrow 133 - 20.0" 180°; [Regional Complex] E Mod;  
 12.0" Radius, 2.0" Border, White on Brown;  
 Arrow 133 - 20.0" 180°; [Convention Center] E Mod;

I-55/70, IL 157 NO 1



12.0" Radius, 2.0" Border, White on Green;  
 Arrow 133 - 20.0" 180°; [Edwardsville] E Mod;  
 12.0" Radius, 2.0" Border, White on Green;  
 [Caseyville] E Mod; Arrow 133 - 20.0" 0°;  
 12.0" Radius, 2.0" Border, White on Brown;  
 [Our Lady Of The] E Mod; [Snows Shrine 8] E Mod;  
 Arrow 133 - 20.0" 0°;

I-55/70, IL 157 NO 2

PLOT DATE = \*DATE\*  
 PLOT SCALE = \*SCALE\*  
 PLOT REFERENCE = \*REF\*

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SIGN PANEL DETAILS**  
 FAI ROUTE 55/70  
 SECTION 60-7K-2  
 MADISON COUNTY

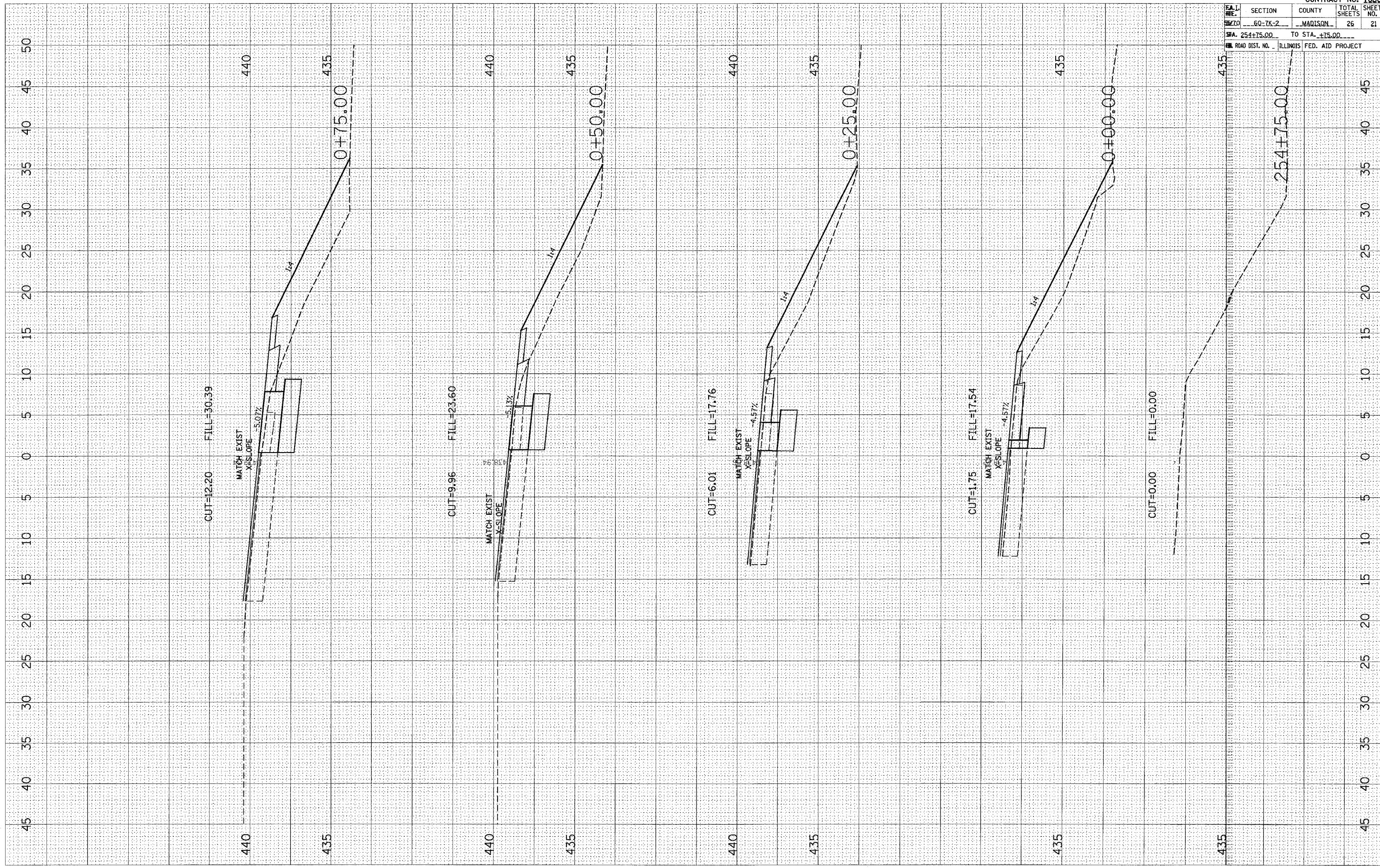
SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

PLOT DATE \* DATE \*  
 FILE NAME \* FILE \*  
 USER NAME \* USER \*

ORIGINAL SURVEY PLOTTED  
 NOTE BOOK TEMPLATE  
 NO. AREAS CHECKED

FINAL SURVEY PLOTTED  
 NOTE BOOK TEMPLATE  
 NO. AREAS CHECKED

BY \_\_\_\_\_  
 DATE \_\_\_\_\_



CONTRACT NO. 76804			
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
60-7K-2	MADISON	26	21
STA. 254+75.00 TO STA. +75.00			
ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



PLOT DATE \* DATE \*  
 FILE NAME \* FILE \*  
 PLOT SCALE \* SCALE \*  
 USER NAME \* USER \*

ORIGINAL SURVEY  
 SURVEY PLOTTED  
 NOTE BOOK  
 AREAS CHECKED

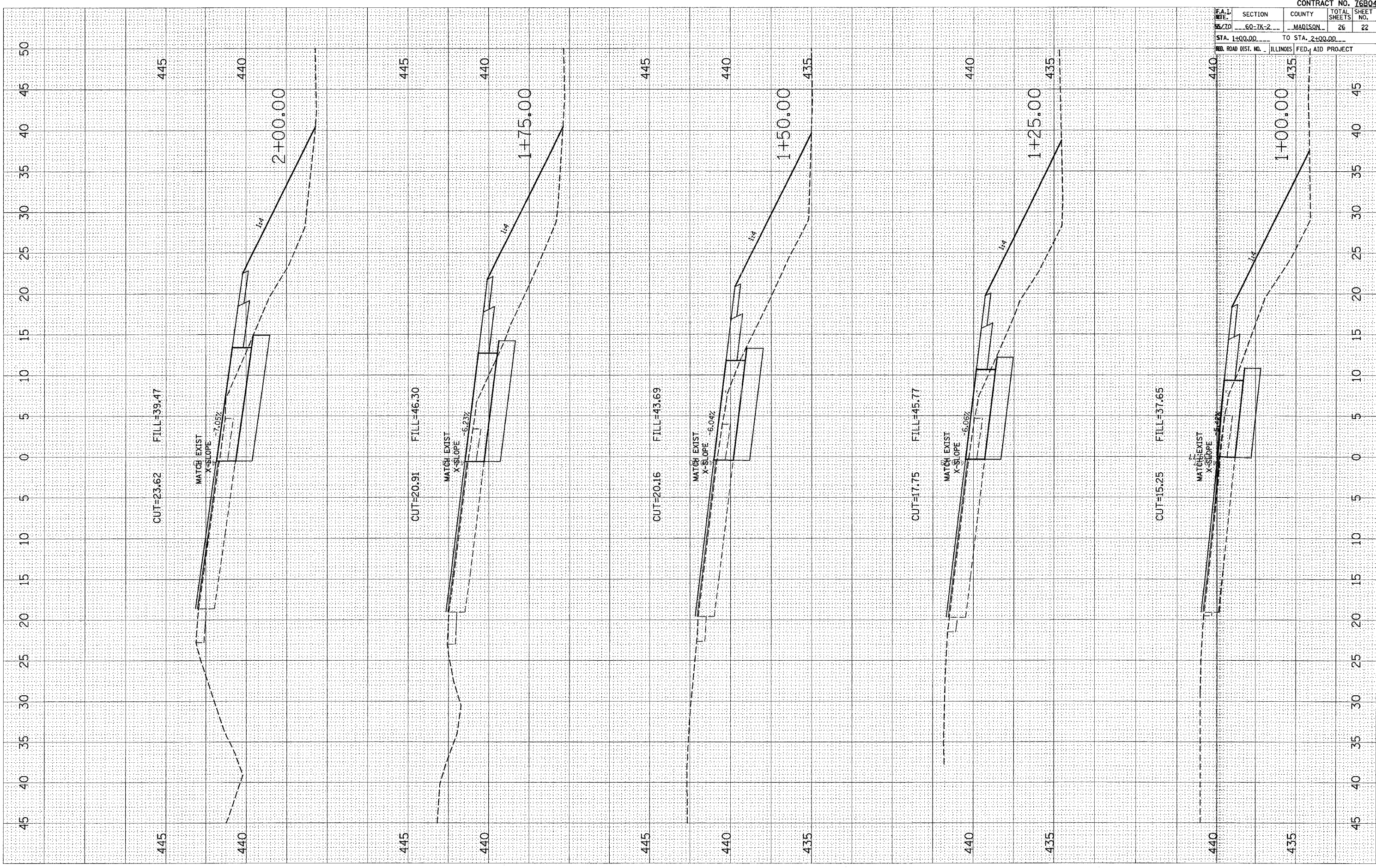
FINAL SURVEY  
 SURVEY PLOTTED  
 NOTE BOOK  
 AREAS CHECKED

BY \_\_\_\_\_

BY \_\_\_\_\_

DATE \_\_\_\_\_

DATE \_\_\_\_\_



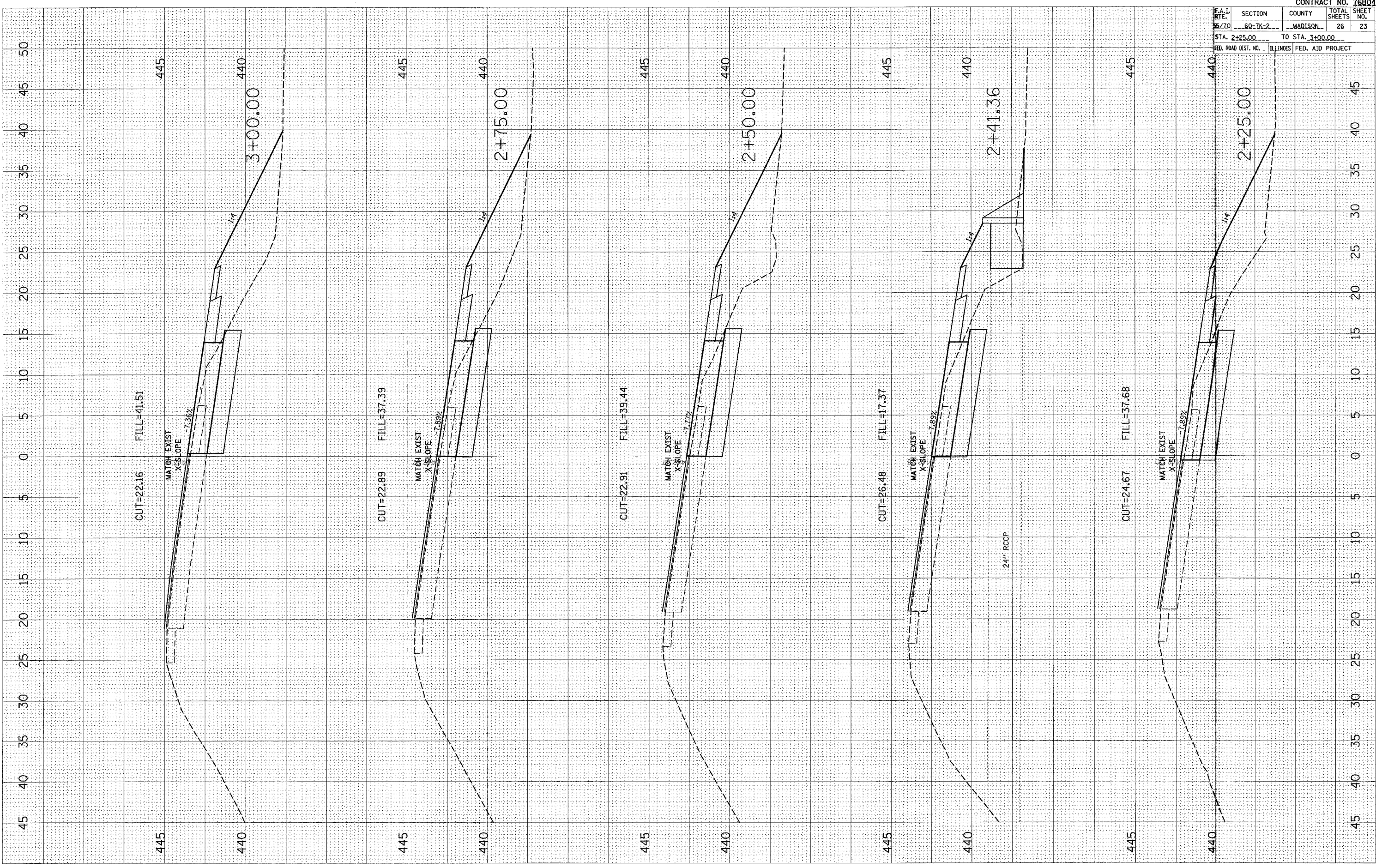
CONTRACT NO. 76804				
F.A.L. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
65/10	60-TK-2	MADISON	26	22
STA. 1+00.00		TO STA. 2+00.00		
RD. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLOT DATE \* DATE \*  
 FILE NAME \* FILE \*  
 PLOT SCALE \* PLOT \*  
 USER NAME \* USER \*

ORIGINAL SURVEY  
 SURVEY PLOTTED  
 NOTE BOOK TEMPLATE  
 NO. AREAS CHECKED

FINAL SURVEY  
 SURVEY PLOTTED  
 NOTE BOOK TEMPLATE  
 NO. AREAS CHECKED

BY \_\_\_\_\_ DATE \_\_\_\_\_



CONTRACT NO. 76804	
SECTION	COUNTY
60-TK-2	MADISON
STA. 2+25.00	TO STA. 3+00.00
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45

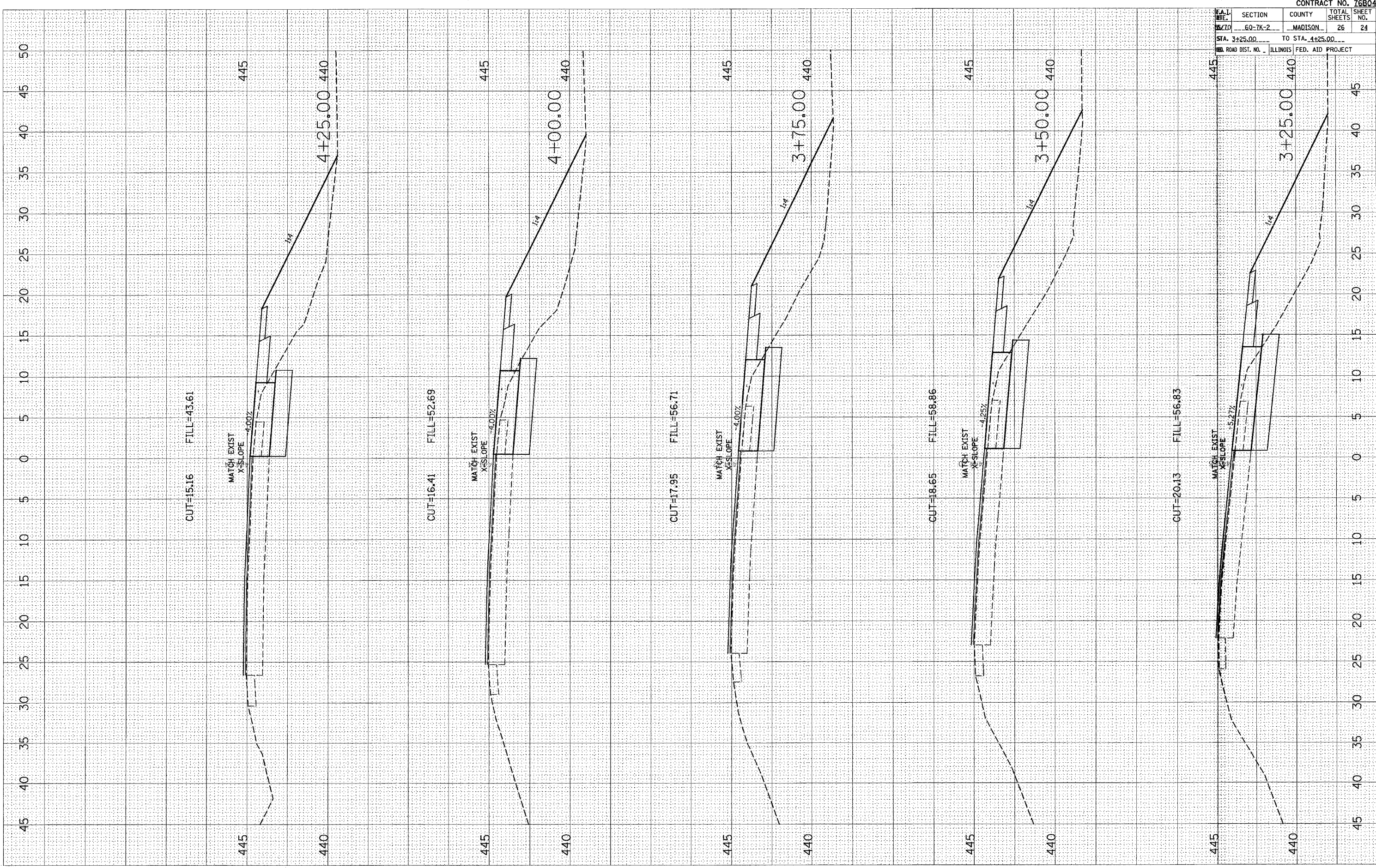


PLOT DATE • DATE  
 FILE NAME • FILE#  
 PLOT SCALE • SCALE#  
 USER NAME • USER#

ORIGINAL SURVEY  
 SURVEY PLOTTED  
 NOTE BOOK TEMPLATE  
 AREAS CHECKED

FINAL SURVEY  
 SURVEY PLOTTED  
 NOTE BOOK TEMPLATE  
 AREAS CHECKED

BY \_\_\_\_\_  
 DATE \_\_\_\_\_



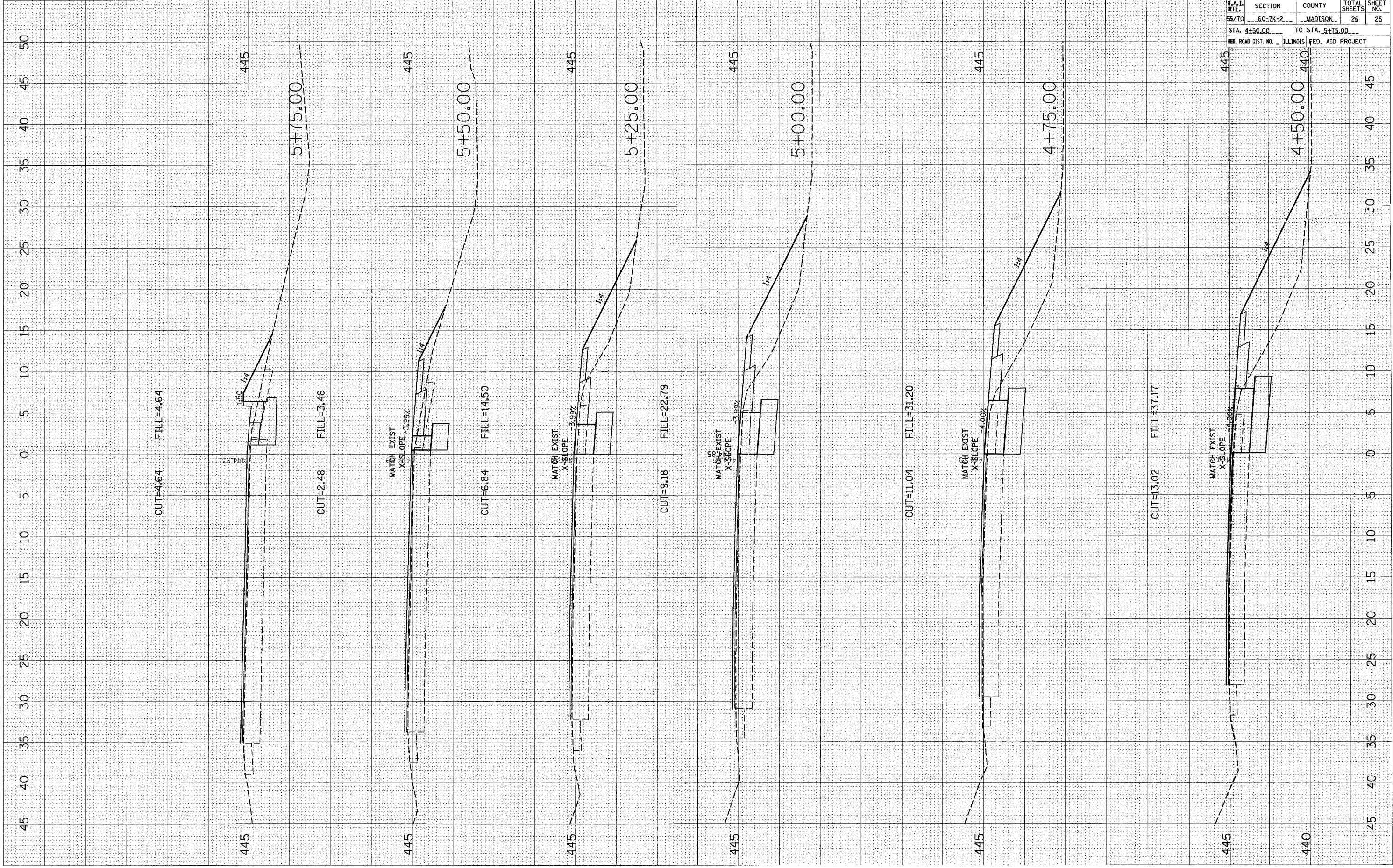
CONTRACT NO. 76B04			
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6Q-TK-2	MADISON	26	24
STA. 3+25.00 TO STA. 4+25.00			
ILLINOIS FED. AID PROJECT			



PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#

ORIGINAL SURVEY  
 SURVEYED BY  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

FINAL SURVEY  
 SURVEYED BY  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

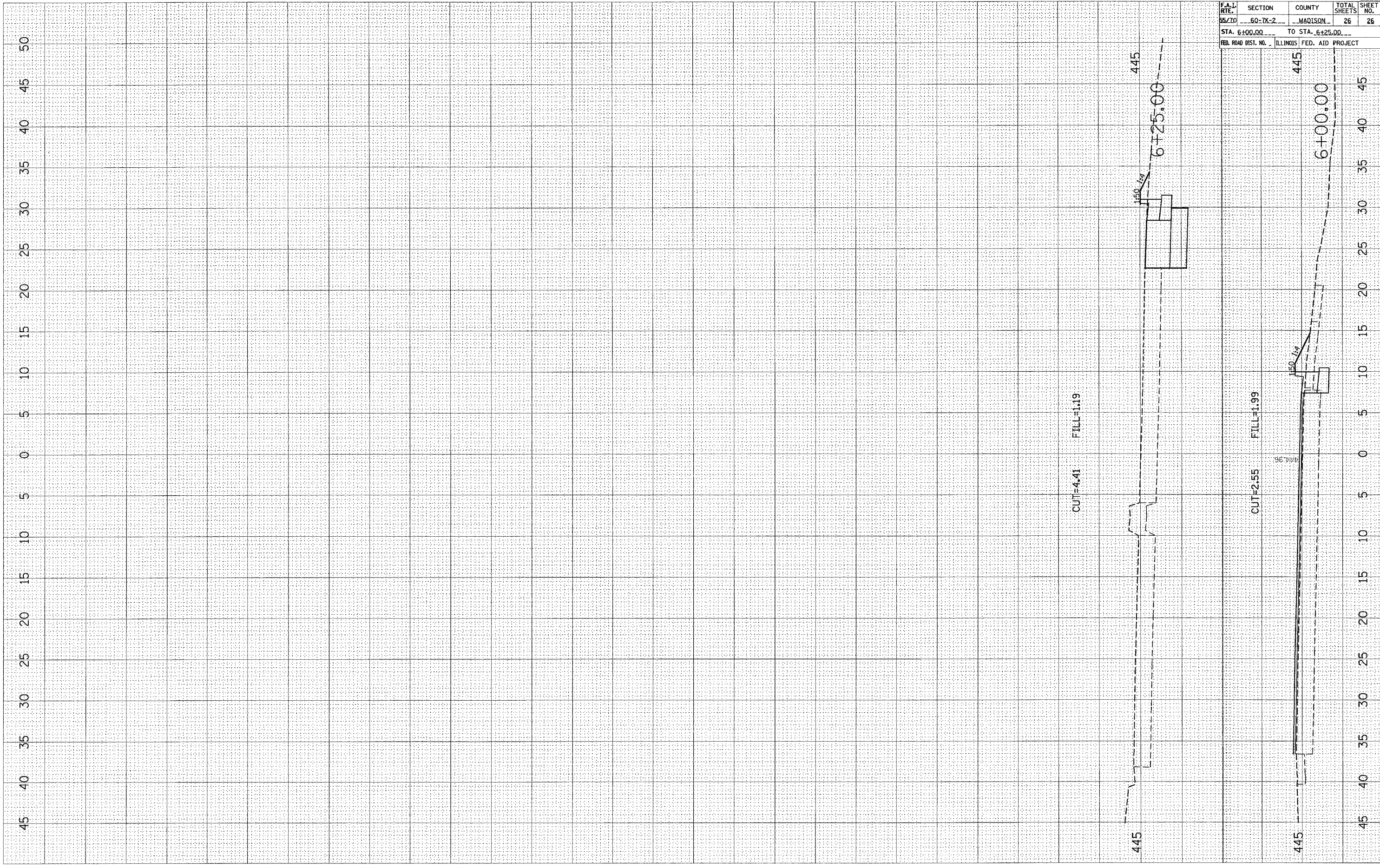


CONTRACT NO. 76BQ4				
F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MAQUISON	26	25
STA. 4+50.00		TO STA. 5+75.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLOT DATE = 10/25/2007  
 FILE NAME = \\s01307\plan\work\10/25/07\102507.dwg  
 PLOT SCALE = 5.0000 / IN.  
 USER NAME = bmgnd

ORIGINAL SURVEYED BY DATE  
 SURVEY PI 10/25/07  
 NO. AREAS CHECKED

FINAL SURVEY BY DATE  
 SURVEY PI 10/25/07  
 NO. AREAS CHECKED



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	60-7K-2	MADISON	26	26
STA. 6+00.00		TO STA. 6+25.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONTRACT NO. 76804