

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110.119NR-1	RANDOLPH	70*	1
*F.A.P. 682/F.A.P. 861A		ILLINOIS	CONTRACT NO. 76M93	

* 70 + 2 = 72 TOTAL SHEETS

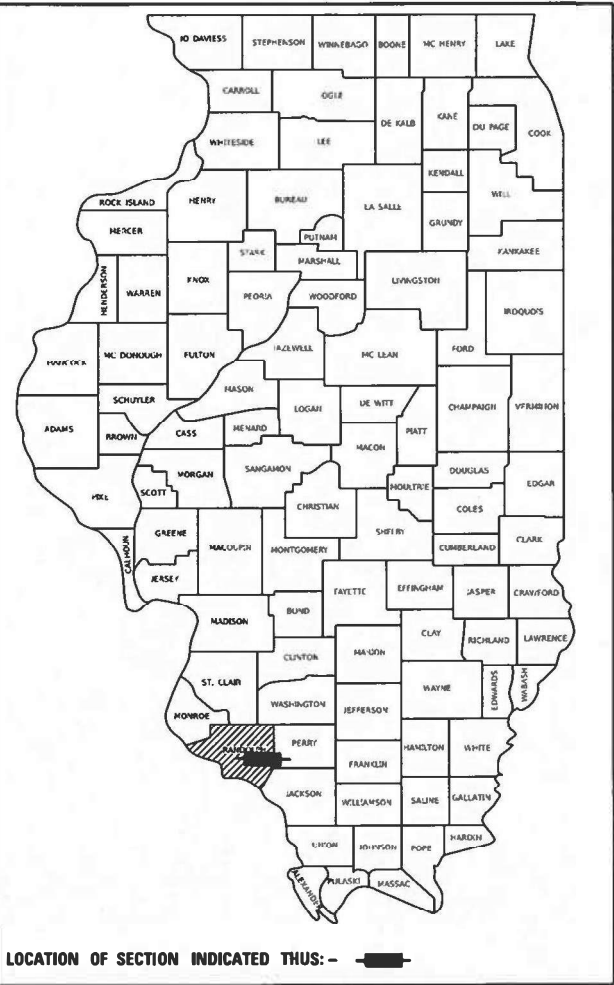
FOR INDEX OF SHEETS, SEE SHEET 2

PROJECT LOCATED IN STEELEVILLE TOWNSHIP

PROPOSED
HIGHWAY PLANS

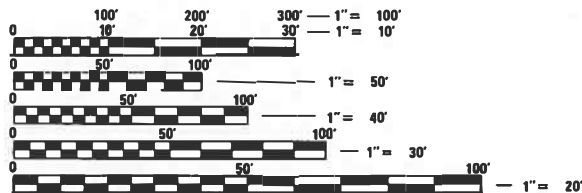
FAP 682/FAP 861A (IL 4/IL 150)
SECTION 110,119NR-1
PROJECT STP-SNFL(956)
INTERSECTION IMPROVEMENT
RANDOLPH COUNTY

P-95-009-21



FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL (NORTH & WEST LEGS)
MINOR ARTERIAL (EAST LEG)

2022 ADT = 4,900
P.V. = 68.6% S.U. = 1.8% M.U. = 29.6%

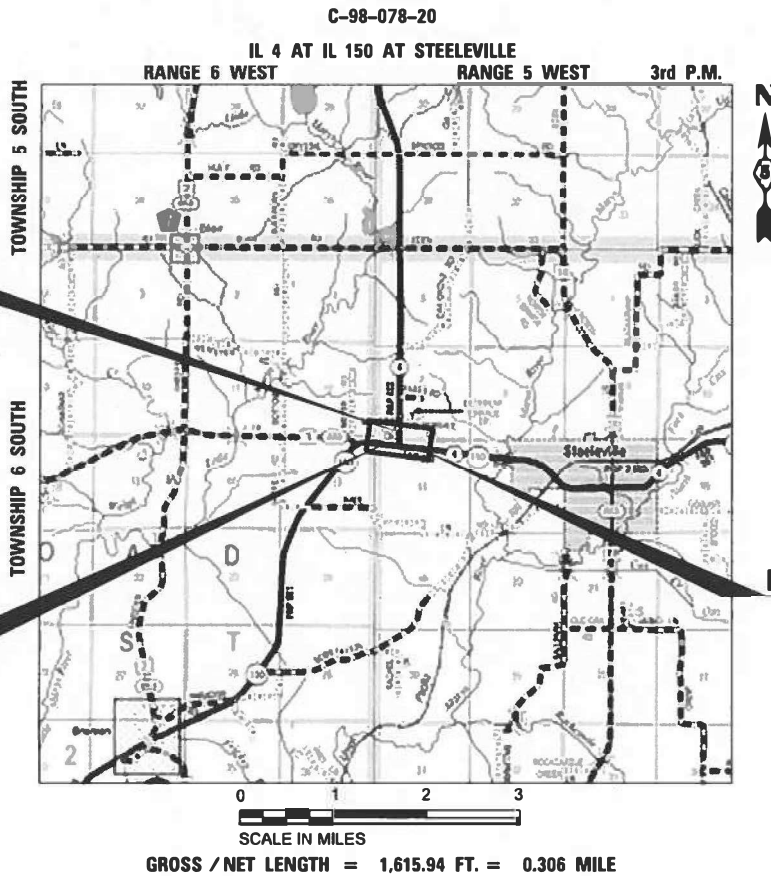


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: CHERYL KEPLAR
PROJECT MANAGER: ROBERT HARBAUGH

CONTRACT NO. 76M93



May 6 20 24

ERIC J. LINDEMANN
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-051170
EXPIRATION DATE 11-30-2025
SHEETS 1-70

Kaskaskia
Engineering Group, LLC
PROFESSIONAL REGISTRATIONS
Illinois Professional Design Firm
Professional Engineering Group

200 E. Main St., Suite 200
Steeleville, Illinois 62286
618.333.5777 phone
618.333.5777 fax
www.kaskaskiaeng.com
LICENSE NO. 380
10/20/17
20.000000

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED May 9 20 24
K. H. P. REGIONAL ENGINEER
June 28, 2024 S. A. E. K.
ENGINEER OF DESIGN AND ENVIRONMENT
June 28, 2024 S. M. J.
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-10	PAVEMENT JOINTS
420101-07	24' (7.2 m) JOINTED PCC PAVEMENT
542201-02	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS, 15" THRU 36" DIA., SKEWED WITH ROADWAY
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) to 24" (600mm) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	CURB REFLECTORS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
542416	SLOPED METAL END SECTIONS FOR PIPE ARCH CULVERTS 15" THRU 72" EQUIVALENT DIAMETER
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING

GENERAL NOTES

1. ALL ELEVATIONS ARE BASED ON NAVD 88-DATUM.
2. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
ELECTRIC AND GAS - AMEREN
WATER - EGYPTIAN WATER COMPANY
COMMUNICATIONS - CLEARWAVE FIBER LLC
COMMUNICATIONS - EGYPTIAN TELEPHONE COOP. ASSN.
COMMUNICATIONS - FRONTIER COMMUNICATIONS
CABLE TV - NEWWAVE COMMUNICATIONS
3. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AS EXTRA WORK ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
4. DISTURBED AREAS SHALL RECEIVE PERMANENT STABILIZATION WITHIN 7 DAYS OF COMPLETION OF CONSTRUCTION ACTIVITIES. TEMPORARY STABILIZATION OF WORK AREAS IS REQUIRED FOR ALL AREAS REMAINING UNDISTURBED FOR 14 DAYS, UNLESS WORK RESUMES PRIOR TO 21 DAYS. TEMPORARY STABILIZATION MUST BE APPROVED BY THE ENGINEER.
5. ALL EXISTING RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE ROADWAY PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
6. CHANGEABLE MESSAGE SIGNS SHALL BE OPERATIONAL TWO WEEKS PRIOR TO THE STAGED CONSTRUCTION OF THE IL 4/150 INTERSECTION AND SHALL BE LOCATED AS DIRECTED BY THE ENGINEER.
7. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATIONS OF THE EXISTING PAVEMENT MARKING, EXCEPT AS DEPICTED ON THE PAVEMENT MARKING DETAIL SHEETS, OR AS DIRECTED BY THE ENGINEER.
8. THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.

COMMITMENTS

NONE

APPLICATION RATES

THE FOLLOWING RATES OF APPLICATION WERE UTILIZED TO CALCULATE CONTRACT QUANTITIES:

AGGREGATE SHOULDERS, TYPE B	1.80 TON/CY
AGGREGATE FOR TEMPORARY ACCESS	2.05 TON/CY
BITUMINOUS MATERIALS - TACK COAT	0.05 LB/SF
BITUMINOUS MATERIALS - PRIME COAT	0.025 LB/SF
HOT-MIX ASPHALT SURFACE/BINDER/BASE	112 LB/SY PER INCH
NITROGEN FERTILIZER NUTRIENT	90 LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB/ACRE
TEMPORARY EROSION CONTROL SEEDING	100 LB/ACRE

GN-406H
HMA MIXTURE REQUIREMENT TABLE

MIXTURE USE(S):	TEMPORARY PAVEMENT	DRIVEWAY APRONS	STABILIZED SUBBASE
BINDER GRADE (AC/PG):	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=30
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-9.5	IL-9.5	IL-19.0L
FRICTION AGGREGATE:	MIXTURE "D"	MIXTURE "D"	
MIXTURE WEIGHT:	112 LB/SQ YD/IN	112 LB/SQ YD/IN	112 LB/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA
MATERIAL TRANSFER DEVICE (REQUIRED?)	NO	NO	NO

REV - MS

MODEL: Name: Boundary Sheet 1
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				FAP 682/861A RANDOLPH COUNTY	FAP 861A RANDOLPH COUNTY
				100% STP	100% STP
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY
				0004	0004
				RURAL	RURAL
20200100	EARTH EXCAVATION	CU YD	4,333	2,748	1,585
20700220	POROUS GRANULAR EMBANKMENT	CU YD	175	0	175
20800150	TRENCH BACKFILL	CU YD	72	0	72
25000210	SEEDING, CLASS 2A	ACRE	2	1	1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	129	78	51
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	129	78	51
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	129	78	51
25100630	EROSION CONTROL BLANKET	SQ YD	6,889	4,177	2,712
28000305	TEMPORARY DITCH CHECKS	FOOT	100	100	0
28000400	PERIMETER EROSION BARRIER	FOOT	2,831	1,207	1,624
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	7,057	4,352	2,705
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	236	236	0
31200500	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"	SQ YD	7,012	4,307	2,705
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	869	321	548
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	1,090	499	591

REV - MS

				FAP 682/861A RANDOLPH COUNTY	FAP 861A RANDOLPH COUNTY
				100% STP	100% STP
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY
				0004	0004
				RURAL	RURAL
40600990	TEMPORARY RAMP	SQ YD	48	10	38
40604064	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N90	TON	98	36	62
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	686	336	350
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,371	672	699
42000506	PORTLAND CEMENT CONCRETE PAVEMENT 10 1/4" (JOINTED)	SQ YD	4,863	3,117	1,746
42001300	PROTECTIVE COAT	SQ YD	7,012	4,307	2,705
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	236	236	0
44000100	PAVEMENT REMOVAL	SQ YD	7,679	4,798	2,881
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,694	1,127	567
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	86	0	86
44213204	TIE BARS 3/4"	EACH	3,478	2,130	1,348
48101200	AGGREGATE SHOULDERS, TYPE B	TON	294	193	101
48300505	PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4"	SQ YD	2,148	1,190	958
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	0	1
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	49	0	49

REV - MS

MODEL: SQO Sheet 3
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 682/861A RANDOLPH COUNTY	FAP 861A RANDOLPH COUNTY
				100% STP	100% STP
				ROADWAY	ROADWAY
				0004	0004
				RURAL	RURAL
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	0	2
54010404	PRECAST CONCRETE BOX CULVERTS 4' X 4'	FOOT	119	0	119
54260815	SLOPED METAL END SECTION, STANDARD 542416, 15", 1:4	EACH	8	6	2
55100700	STORM SEWER REMOVAL 15"	FOOT	202	104	98
60100955	PIPE DRAINS 15"	FOOT	202	104	98
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,089	624	465
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	65	65	0
60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	5,069	5,069	0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	0
67100100	MOBILIZATION	L SUM	1	1	0
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	255	255	0
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	16,736	8,608	8,128
70400100	TEMPORARY CONCRETE BARRIER	FOOT	3,250	1,662.5	1,587.5
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	2,190	1,116	1,074
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	5,875	2,987.5	2,887.5

* = SPECIALTY ITEM

REV - MS

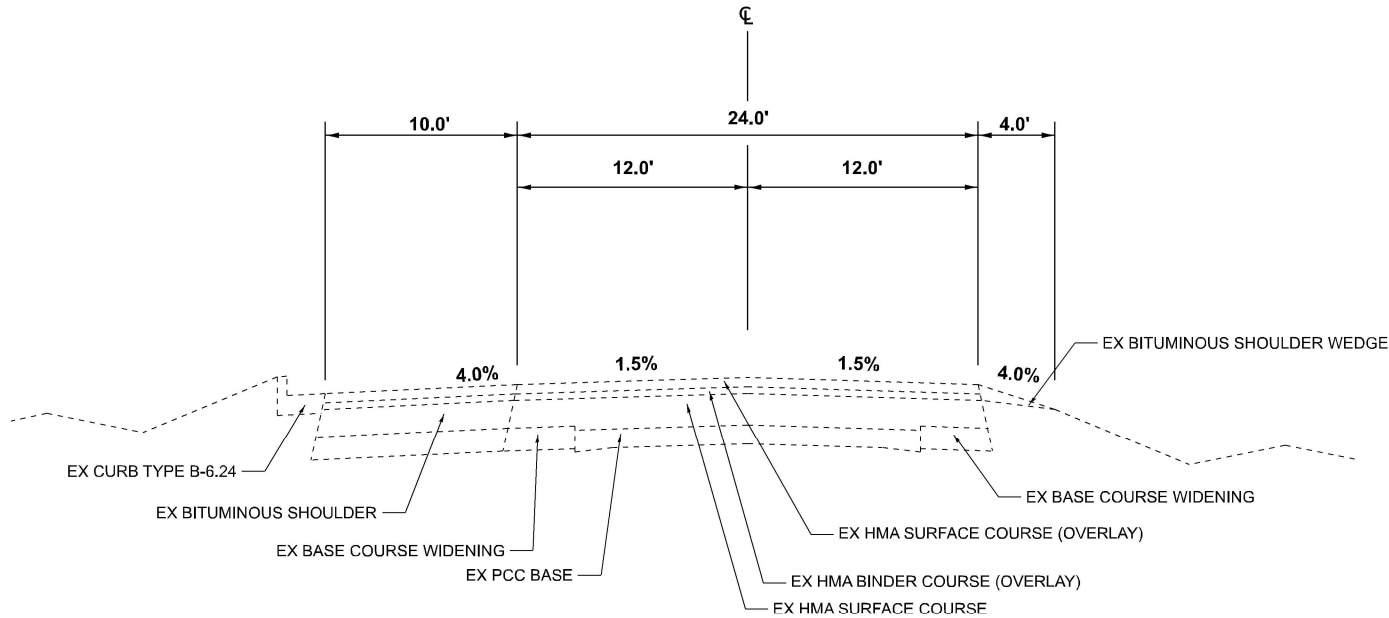
 Kaskaskia Engineering Group, LLC 204 E. Main St., Suite 100 Macomb, Illinois 61455 410-233-3477 Phone 410-233-3477 Fax www.kaskaskiaeng.com PROFESSIONAL REGISTERED ENGINEER Illinois Professional Design Firm Professional Engineering Group 16-001713 24-000104	USER NAME = jwarner	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				FAP 682/861A (IL 4150) SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN -	REVISED -									*	110,119NR-1	RANDOLPH	70	5			
	PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED -									*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93					
	PLOT DATE = 7/1/2024	DATE -	REVISED -									ILLINOIS FED. AID PROJECT							
	SCALE:		SHEET 3									OF 5	SHEETS				STA.	TO STA.	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 682/861A RANDOLPH COUNTY	FAP 861A RANDOLPH COUNTY
				100% STP	100% STP
				ROADWAY	ROADWAY
				0004	0004
				RURAL	RURAL
70600251	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6	3	3
70600352	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	6	3	3
* 72000100	SIGN PANEL - TYPE 1	SQ FT	177	122	55
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	17	11	6
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	220	165	55
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	20	15	5
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	3,317	2,019	1,298
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	297	297	0
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	107	107	0
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	60	40	20
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	19	12	7
78200020	CURB REFLECTORS	EACH	7	7	0
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	430	221	209
* 85820200	FLASHER CONTROLLER, SPECIAL	EACH	1	1	0
* 87200400	SPAN WIRE	FOOT	112	112	0

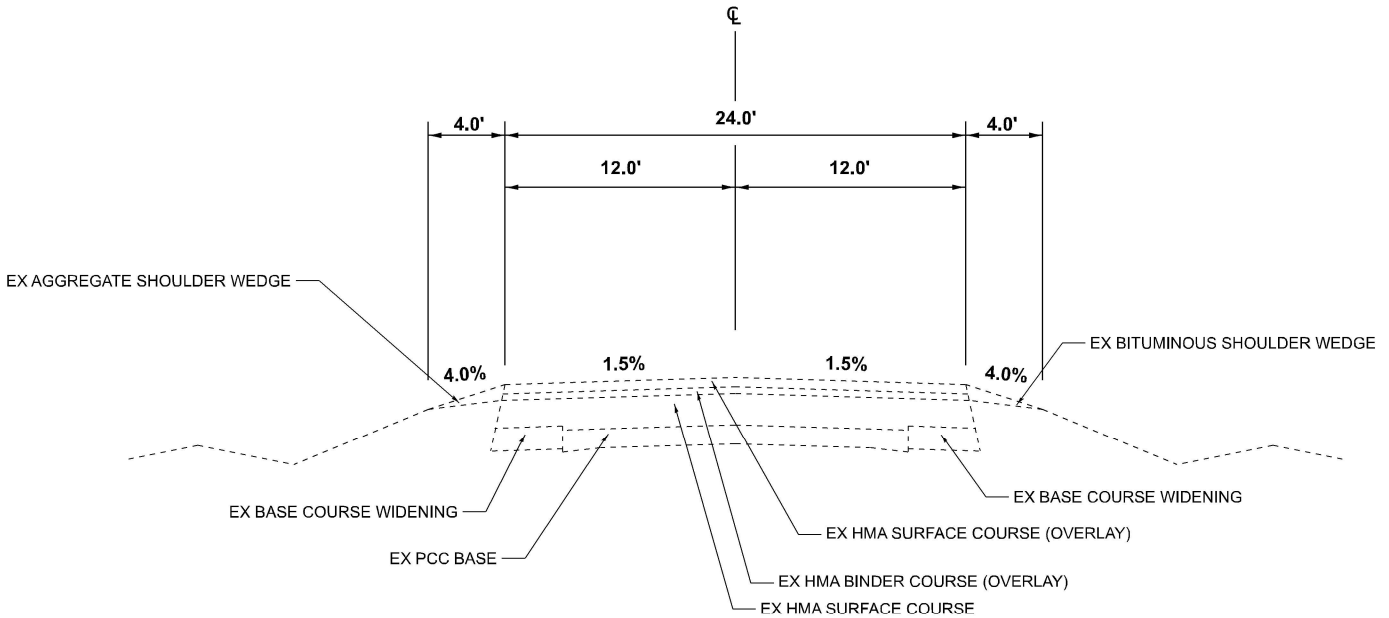
* = SPECIALTY ITEM

REV - MS



EXISTING TYPICAL SECTION

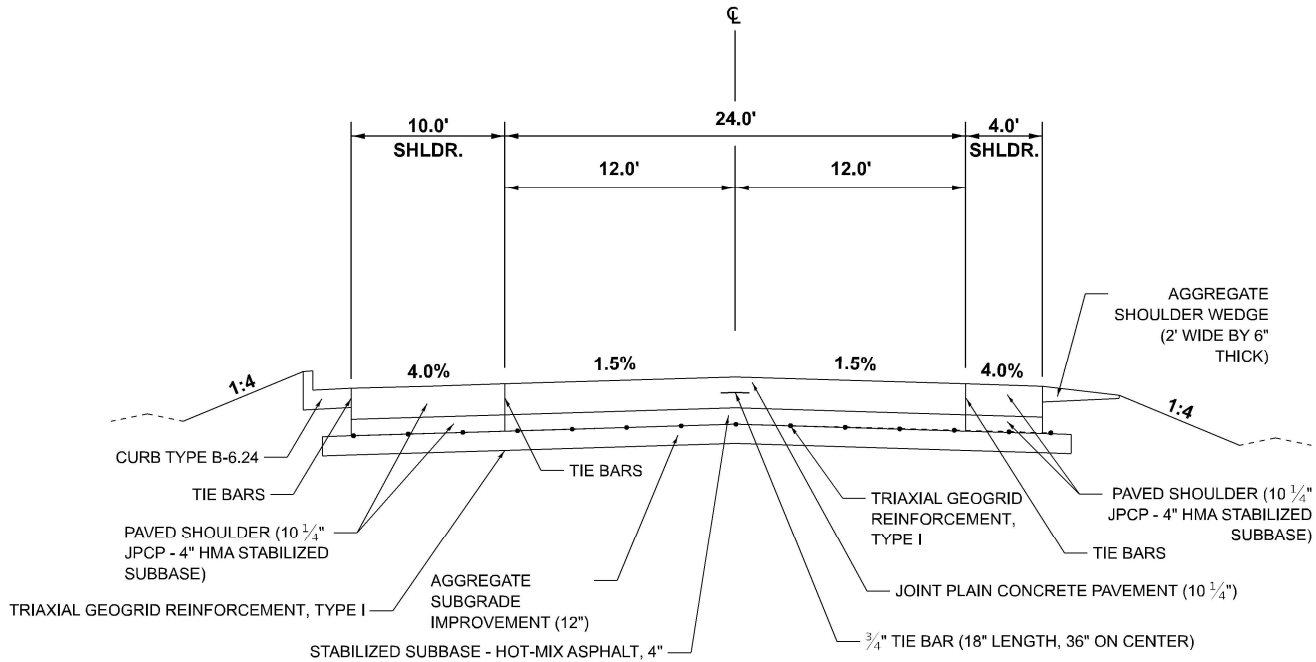
IL 4 STA. 986+88.01 TO STA. 992+39.94 (E-W SEGMENT)



EXISTING TYPICAL SECTION

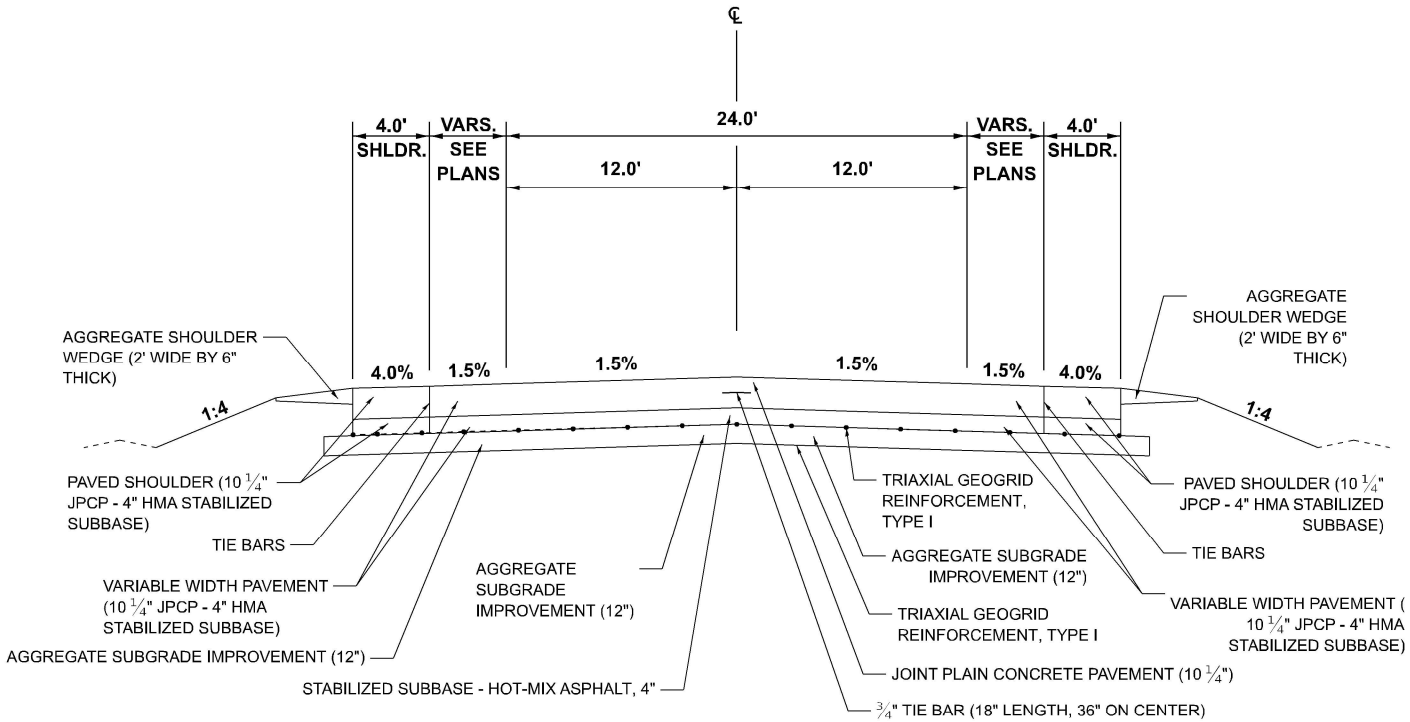
IL 4 STA. 992+39.94 TO STA. 996+41.85 (N-S SEGMENT)

IL 150 STA. 5+13.20 TO STA. 11+75.30 (E-W SEGMENT)



PROPOSED TYPICAL SECTION

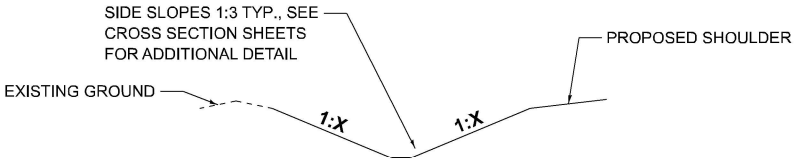
IL 4 STA. 986+88.01 TO STA. 992+39.94 (E-W SEGMENT)



PROPOSED TYPICAL SECTION

IL 4 STA. 992+39.94 TO STA. 996+41.85 (N-S SEGMENT)

IL 150 STA. 5+13.20 TO STA. 11+75.30 (E-W SEGMENT)



PROPOSED DITCH TYPICAL SECTION

IL 4 STA. 986+88.01 TO STA. 992+36.69 (RT)

IL 4 STA. 993+13.26 TO STA. 996+41.85 (LT)

IL 150 STA. 5+13.20 TO STA. 11+75.30 (RT)

IL 150 STA. 9+95.50 TO STA. 11+75.30 (LT)

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 682/861A (IL 4150)
TYPICAL SECTIONS**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	8
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
ILLINOIS		FED. AID PROJECT		

MODEL: Typical Sections (Sheet)
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Kaskaskia
Engineering Group, LLC
Professional Engineering Group

200 E. Main St., Suite 200
Bloomington, IL 61701-1220
618.533.8877 Phone
618.533.8977 Fax
www.kaskaskiaeng.com
ILLINOIS
Professional Engineering Group

USER NAME = jwarner	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 5/10/2024	DATE -	REVISED -

MODEL: Schedule 1
FILE NAME: p:\projects\pk-banley.com\kgp\p401\Documents\DOT-Project\20-1108.05 IL4 (CRD 10, D10, IDOT/CAD, Shields DBF\MB3-sht-schedule.dgn

EARTHWORK SCHEDULE							
LOCATION				EARTH EXCAVATION	EARTH EMBANKMENT	15% EXCAVATION SHRINKAGE	EARTHWORK BALANCE
ROADWAY	STATION	TO	STATION	CU YD	CU YD	CU YD	CU YD
IL 150	6+00.00		6+50.00	152		121	121
	6+50.00		7+00.00	149		119	119
	7+00.00		7+50.00	153		123	123
	7+50.00		8+00.00	165		132	132
	8+00.00		8+50.00	153		122	122
	8+50.00		9+00.00	144		115	115
	9+00.00		9+50.00	154		123	123
	9+50.00		10+00.00	152		122	122
	10+00.00		10+50.00	154		123	123
	10+50.00		11+00.00	141		113	113
	11+00.00		11+50.00	149		119	119
IL 4	987+50.00		988+00.00	131	1	105	104
	988+00.00		988+50.00	116		93	93
	988+50.00		989+00.00	106		85	85
	989+00.00		989+50.00	124		99	99
	989+50.00		990+00.00	130		104	104
	990+00.00		990+50.00	115		92	92
	990+50.00		991+00.00	116		93	93
	991+00.00		991+50.00	126		101	101
	991+50.00		992+00.00	131		105	105
	992+00.00		992+50.00	132		106	106
	992+50.00		993+00.00	125	12	100	89
	993+00.00		994+00.00	233	11	186	175
	994+00.00		994+50.00	536		429	429
	994+50.00		995+00.00	154		123	123
	995+00.00		995+50.00	123		99	99
	995+50.00		996+00.00	128		103	103
	996+00.00		996+50.00	139		111	111
TOTAL				4,333			

DRIVEWAY SCHEDULE							
CL OF DRIVE	LOCATION	MATERIAL	SUBBASE GRANULAR MATERIAL, TYPE A 4"	AGGREGATE BASE COURSE, TYPE A 6"	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	DRIVEWAY PAVEMENT REMOVAL
STATION	(SIDE)		(SQ YD)	(SQ YD)	(TON)	(SQ YD)	(SQ YD)
986+59	RT	HMA	0	91.9	10.3	0.0	95.9
987+89	RT	HMA	0	45.8	5.1	0.0	47.1
988+33	RT	HMA	0	65.5	7.3	0.0	65.9
989+18	LT	HMA	0	95.9	10.7	0.0	98.6
989+37	RT	HMA	0	98.0	11.0	0.0	98.0
989+79	RT	HMA	0	81.3	9.1	0.0	86.0
990+69	LT	HMA	0	29.2	3.3	0.0	29.0
992+31	LT	HMA	0	40.9	4.6	0.0	46.6
994+59	LT	HMA	0	117.8	13.2	0.0	130.2
996+19	RT	HMA	0	83.8	9.4	0.0	118.3
6+27	LT	PCC	52.5	0	0	52.5	65.1
8+00	LT	PCC	91.8	0	0	91.8	700.2
8+52	RT	HMA	0	76.2	8.5	0	70.6
9+74	LT	PCC	90.8	0	0	90.8	0.0
10+87	RT	HMA	0	42.6	4.8	0.0	41.7
TOTAL			236	869	98	236	1694

TEMPORARY RAMP SCHEDULE				
CL OF DRIVE	LOCATION	RAMP LENGTH	RAMP WIDTH	TEMPORARY RAMP
STATION	(SIDE)	FEET	FEET	(SQ YD)
986+60	RT	23.4	3	7.8
987+90	RT	15	3	5.0
988+34	RT	18	3	6.0
989+29	RT	30.5	3	10.2
989+81	RT	26.2	3	8.7
8+55	RT	15.2	3	5.1
10+84	RT	13	3	4.3
TOTAL				48

PIPE SCHEDULE											
LOCATION				POROUS GRANULAR EMBANKMENT	TRENCH BACKFILL	STORM SEWER REMOVAL 15"	PIPE DRAINS 15"	SLOPED METAL END SECTION, STANDARD 542416, 15", 1:4	REMOVAL OF EXISTING STRUCTURES NO. 1	PRECAST CONCRETE BOX CULVERTS 4' X 4'	BOX CULVERT END SECTIONS, CULVERT NO. 1
ROADWAY	STATION	TO	STATION	CU YD	CU YD	FOOT	FOOT	EACH	EACH	FOOT	EACH
IL 150	5+13.20		11+75.30			65	65	4			
IL 4	986+88.01		993+13.26	175	72	98	98	2	1	119	2
	993+13.26		996+41.85			39	39	2			
TOTAL				175	72	202	202	8	1	119	2

DRAINAGE SCHEDULE					
LOCATION				COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
ROADWAY	STATION	TO	STATION	FOOT	FOOT
IL 150	5+13.20		11+75.30	624	
IL 4	986+88.01		993+13.26		
	993+13.26		996+41.85	465	65
TOTAL				1,089	65

EROSION CONTROL SCHEDULE										
LOCATION				SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER
ROADWAY	STATION	TO	STATION	ACRE	POUND	POUND	POUND	SQ YD	FOOT	FOOT
IL 150	5+13.20		11+75.30	0.63	57	57	57	3,047	100	733
IL 4	986+88.01		993+13.26	0.56	50	50	50	2,712		474
	993+13.26		996+41.85	0.23	21	21	21	1,129		1,624
TOTAL				2	129	129	129	6,889	100	2,831

PAVING SCHEDULE																
LOCATION				AGGREGATE SUBGRADE IMPROVEMENT 12"	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"	BITUMINOUS MATERIALS (PRIME COAT) (0.025 LB/SQ FT)	BITUMINOUS MATERIALS (TACK COAT) (0.05 LB/SQ FT)	PORTLAND CEMENT CONCRETE PAVEMENT 10½" (JOINTED)	PROTECTIVE COAT	PAVEMENT REMOVAL	CLASS D PATCHES, TYPE IV, 14 INCH	TIE BARS ¾"	AGGREGATE SHOULDERS, TYPE B	PORTLAND CEMENT CONCRETE SHOULDERS 10 1/4"	CONCRETE MEDIAN SURFACE, 6 INCH	TRIAxIAL GEOGRID REINFORCEMENT, TYPE I
ROADWAY	STATION	TO	STATION	SQ YD	SQ YD	POUND	POUND	SQ YD	SQ YD	SQ YD	SQ YD	EACH	TON	SQ YD	SQ FT	SQ YD
IL 150	5+13.20		11+75.30	2,805	2,805	336	672	1,935	2,805	3,496		1,232	106	870	4,880	2,805
IL 4	986+88.01		993+13.26	2,705	2,705	349	698	1,746	2,705	2,881	86	1,348	101	958		2,705
	993+13.26		996+41.85	1,547	1,501			1,182	1,501	1,301		898	86	320	189	1,501
TOTAL				7,057	7,012	686	1,371	4,863	7,012	7,679	86	3,478	294	2,148	5,069	7,012

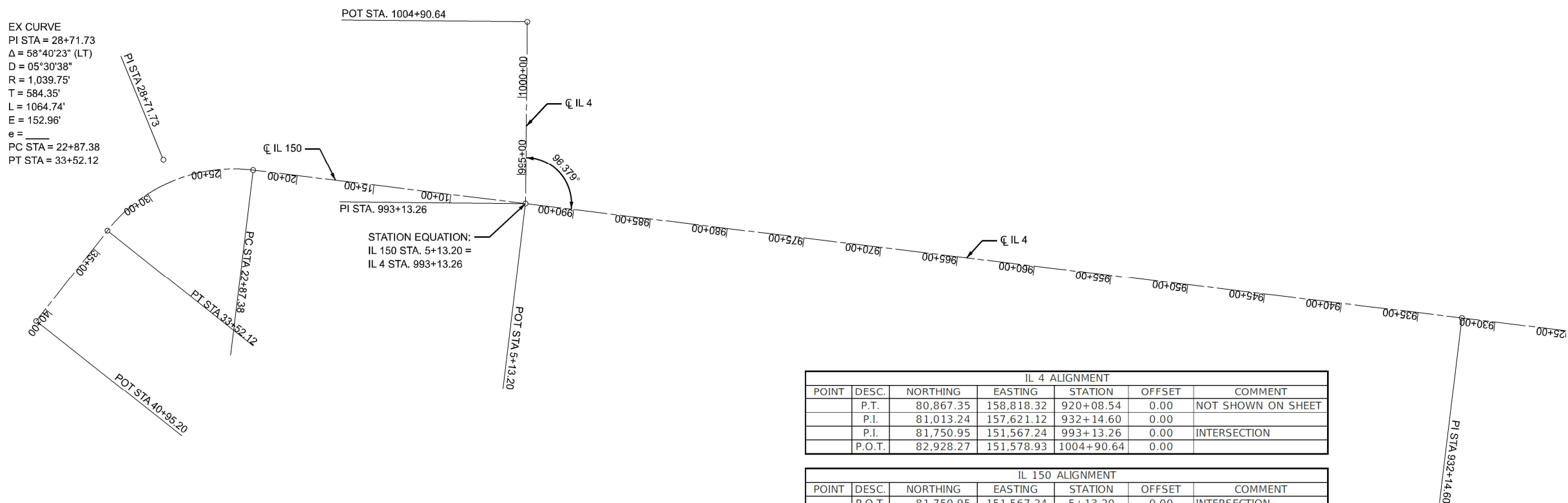
MODEL: Schedule 2
FILE NAME: p:\projects\pk-bailey.com\ksgp\p401\Documents\DOT Projects\20-1108.05 IL4 (CRD 10, D10, IDOT)CAD_Schedule2\83-schedule.dgn

SIGNING SCHEDULE							
STATION	OFFSET		DIMENSIONS		SIGN TYPE	SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT
	SIDE	FEET	WIDTH (IN)	HEIGHT (IN)		SQ FT	FOOT
990+50	RT	27.7	36.0	72.0	Guide Sign	18.0	11
990+50	RT	27.7	12.0	18.0	"No Parking"	1.5	
991+41	RT	26.8	12.0	18.0	"No Parking"	1.5	
991+68	LT	29.4	30.0	36.0	Adopt-A-Highway Top	7.5	11
991+68	LT	29.4	30.0	18.0	Adopt-A-Highway Bottom	3.8	
992+55	RT	34.8	36.0	36.0	Stop Sign	9.0	
992+55	RT	34.8	18.0	6.0	"ALL WAY"	0.8	11
992+55	RT	34.8	30.0	24.0	IL 150	5.0	
992+55	RT	34.8	21.0	15.0	Arrow	2.2	
992+55	RT	34.8	24.0	24.0	IL 4	4.0	11
992+55	RT	34.8	21.0	15.0	Arrow	2.2	
993+48	LT	20.2	36.0	36.0	Stop Sign	9.0	
993+48	LT	20.2	18.0	6.0	"ALL WAY"	0.8	11
993+68	LT	51.4	36.0	36.0	Stop Sign	9.0	
993+68	LT	51.4	18.0	6.0	"ALL WAY"	0.8	
994+30	LT	27.0	24.0	24.0	IL 4	4.0	11
994+30	LT	27.0	21.0	15.0	Arrow	2.2	
994+30	LT	27.0	30.0	24.0	IL 150	5.0	
994+30	LT	27.0	21.0	15.0	Arrow	2.2	11
994+35	RT	24.5	12.0	18.0	"No Parking"	1.5	
995+29	RT	27.0	36.0	72.0	Guide Sign	18.0	
996+21	LT	27.0	36.0	72.0	Guide Sign	18.0	22
5+48	LT	26.3	36.0	36.0	Stop Sign	9.0	11
5+48	LT	26.3	18.0	6.0	"ALL WAY"	0.8	
5+48	LT	26.3	24.0	24.0	IL 4	4.0	
5+48	LT	26.3	21.0	15.0	Arrow	2.2	11
5+48	LT	26.3	30.0	24.0	IL 150	5.0	
5+48	LT	26.3	21.0	15.0	Arrow	2.2	
6+66	RT	25.2	12.0	18.0	"No Parking"	1.5	11
7+66	RT	25.0	12.0	18.0	"No Parking"	1.5	11
10+24	LT	28.5	36.0	72.0	Guide Sign	18.0	22
11+30	RT	25.1	24.0	12.0	"WEST"	2.0	11
11+30	RT	25.1	30.0	24.0	IL 150	5.0	
TOTAL						177.0	220.0
							20.0

SIGNING REMOVAL SCHEDULE		
LOCATION		REMOVE SIGN PANEL ASSEMBLY - TYPE A
STATION	SIDE	EACH
990+50	RT	1
991+41	RT	1
991+68	LT	1
992+55	RT	1
992+55	RT	1
992+55	RT	1
993+50	LT	1
993+60	LT	1
994+30	LT	1
994+35	RT	1
995+29	RT	1
996+21	LT	1
5+48	LT	1
6+66	RT	1
7+66	RT	1
10+24	LT	1
11+30	RT	1
TOTAL		17

PAVEMENT MARKING SCHEDULE										
LOCATION				MODIFIED URETHANE PAVEMENT MARKING - LINE 6"		MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER	PAVEMENT MARKING REMOVAL - WATER BLASTING
				EDGE	CENTER					
ROADWAY	STATION	TO	STATION	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	SQ FT
IL 150	5+13.20		11+75.30	1145.4	159.3	297.0	107.0	12.0	8	220.7
IL 4	986+88.01		993+13.26	1153.1	144.6			21.7	7	208.4
	993+13.26		996+41.85	640.1	73.8			27.7	4	
TOTAL				2939.0	378.0	297.0	107.0	62.0	19	430.0

MAINTENANCE OF TRAFFIC SCHEDULE												
LOCATION				AGGREGATE FOR TEMPORARY ACCESS	CHANGEABLE MESSAGE SIGN	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	TEMPORARY CONCRETE BARRIER	PINNING TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	TEMPORARY PAVEMENT REMOVAL
ROADWAY	STATION	TO	STATION	TON	CAL DA	FOOT	FOOT	EACH	FOOT	EACH	EACH	SQ YD
IL 150	5+13.20		11+75.30	323.6	85	8607.3	1662.5	1116	2987.5	3	3	1493.7
IL 4	986+88.01		993+13.26	591.1	85	8128.3	1587.5	1074	2887.5	3	3	1552.1
	993+13.26		996+41.85	175.2	85							
TOTAL				1090	255	16736	3250	2190	5875	6	6	3046



IL 4 ALIGNMENT						
POINT	DESC.	NORTHING	EASTING	STATION	OFFSET	COMMENT
	P.T.	80,867.35	158,818.32	920+08.54	0.00	NOT SHOWN ON SHEET
	P.I.	81,013.24	157,621.12	932+14.60	0.00	
	P.I.	81,750.95	151,567.24	993+13.26	0.00	
	P.O.T.	82,928.27	151,578.93	1004+90.64	0.00	INTERSECTION

IL 150 ALIGNMENT						
POINT	DESC.	NORTHING	EASTING	STATION	OFFSET	COMMENT
	P.O.T.	81,750.95	151,567.24	5+13.20	0.00	INTERSECTION
	P.C.	81,965.56	149,806.09	22+87.38	0.00	
	P.I.	82,036.24	149,226.03	28+71.73	152.96' RT	
	P.T.	81,577.50	148,864.06	33+52.12	0.00	
	P.O.T.	80,994.15	148,403.78	40+95.20	0.00	

BENCHMARK DESCRIPTIONS
FAP 861 (IL 150) SECTION 110, 111
RANDOLPH COUNTY
JOB# P-98-022-06/76M93
DATE: SEPTEMBER 2021
CREW: GF, SS

- BM 150-18 SET A RR SPIKE DRIVEN 1' ABOVE THE GROUND ON THE NORTH SIDE OF A POWER POLE W/ 2 TRANSFORMERS ON WEST SIDE OF PRIVATE ENTRANCE TO HOUSE #5690 ON SOUTH SIDE OF IL 150 +/- 0.35 MILE EAST OF THE INTERSECTION OF IL 4 AND IL 150.
Elev.=456.094'
- BM 150-19 FOUND ALUMINUM DISK STAMPED "STATE OF ILLINOIS DIVISION OF HIGHWAYS" ON TOP CENTER OF NORTH HEADWALL FOR A 48" CMP UNDER IL 4/IL 150 IN THE NORTHEAST QUADRANT OF THE INTERSECTION OF IL 4 AND IL 150 WEST OF STEELEVILLE.
Elev.=464.730'
- BM 150-20 FOUND CUT "[]" ON NORTHEAST CORNER OF NORTH HEADWALL FOR A 2' X 2' BOX CULVERT UNDER IL 150, +/- 0.1 MILE NORTHEAST OF SHAWNEETOWN TRAIL AND +/- 0.5 MILE WEST OF THE INTERSECTION OF IL 4 AND IL 150.
Elev.=459.826'
- BM 150-21 FOUND CUT "[]" ON NORTHEAST CORNER OF SOUTH HEADWALL FOR A 5' X 5' BOX CULVERT UNDER SHAWNEETOWN TRAIL +/- 220' NORTHWEST OF IL 150.
Elev.=462.382'

PROJECT COORDINATES – SITE CONTROL

FAP 861 (IL 150)
Section 110, 111
Randolph County
IL Route 150 from T-intersection with
Route 4 to the Perry County Line
P-98-022-06/76M93

Field work date: October 2021
Low Distortion Coordinate System - Randolph County

POINT ID	NORTHING	EASTING	DESCRIPTION
137	81449.1888	154196.2893	IRON PIN W/ PLASTIC CAP
138	81543.1458	153407.2400	IRON PIN W/ PLASTIC CAP
139	81647.3169	152610.9906	IRON PIN W/ PLASTIC CAP
140	81734.6193	151929.3877	IRON PIN W/ PLASTIC CAP
141	82241.6812	151592.4557	IRON PIN W/ PLASTIC CAP
142	81837.0224	151072.7208	IRON PIN W/ PLASTIC CAP
143	81923.5066	149960.4799	IRON PIN W/ PLASTIC CAP
144	81970.2835	149472.6882	IRON PIN W/ PLASTIC CAP
145	81788.5164	149055.8861	IRON PIN W/ PLASTIC CAP

Note: All Iron Pins are 1/2" diameter x 30" long. 10/28/2021

PROJECT COORDINATES – PERIMETER CONTROL

FAP 861 (IL 150)
Section 110, 111
Randolph County
IL Route 150 from T-intersection with
Route 4 to the Perry County Line
P-98-022-06/76M93

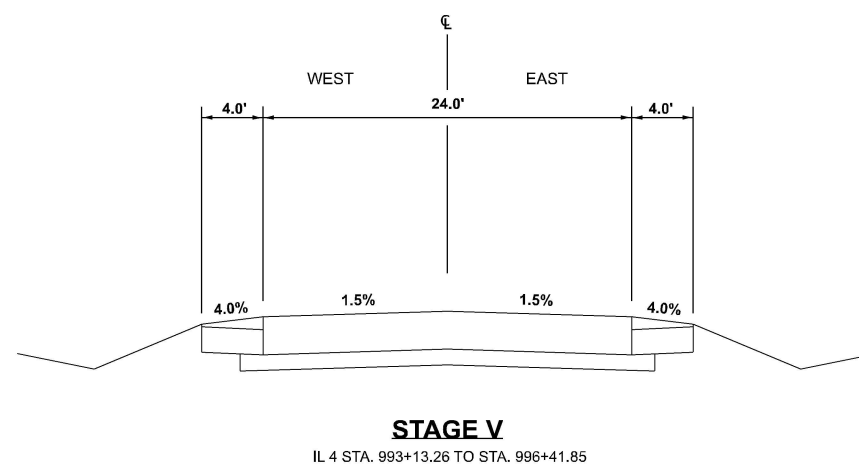
Field work date: August-September 2021
Low Distortion Coordinate System - Randolph County

POINT ID	NORTHING	EASTING	DESCRIPTION
ra10	82328.7782	144996.2335	IRON PIN W/ ALUM CAP
ra11	86073.1568	151644.3443	IRON PIN W/ ALUM CAP
ra12	85085.3707	156589.7804	IRON PIN W/ ALUM CAP
ra13	84186.7830	163557.3183	IRON PIN W/ ALUM CAP
ra14	85662.3719	171637.4172	IRON PIN W/ ALUM CAP
ra15	89558.5611	182297.8617	IRON PIN W/ ALUM CAP
ra16	83074.3670	178564.1774	IRON PIN W/ ALUM CAP
ra17	78425.2786	174241.6644	IRON PIN W/ ALUM CAP
ra18	75313.9608	163515.1009	IRON PIN W/ ALUM CAP
ra19	77035.6898	157573.8947	IRON PIN W/ ALUM CAP
ra20	81717.8739	151578.6009	IRON PIN W/ ALUM CAP
ra21	78318.7242	146332.0323	IRON PIN W/ ALUM CAP
Steeleville AZ	80933.9915	162168.0438	NGS / PID DE9184 / DISK IN CONCRETE
um 046	80470.5892	182133.2583	NGS / PID DE9184 / DISK IN CONCRETE
um 047	85039.9662	182641.6869	NGS / PID DE9184 / DISK IN CONCRETE
um 048	86884.5592	187422.6866	NGS / PID DE9184 / DISK IN CONCRETE

10/01/2021

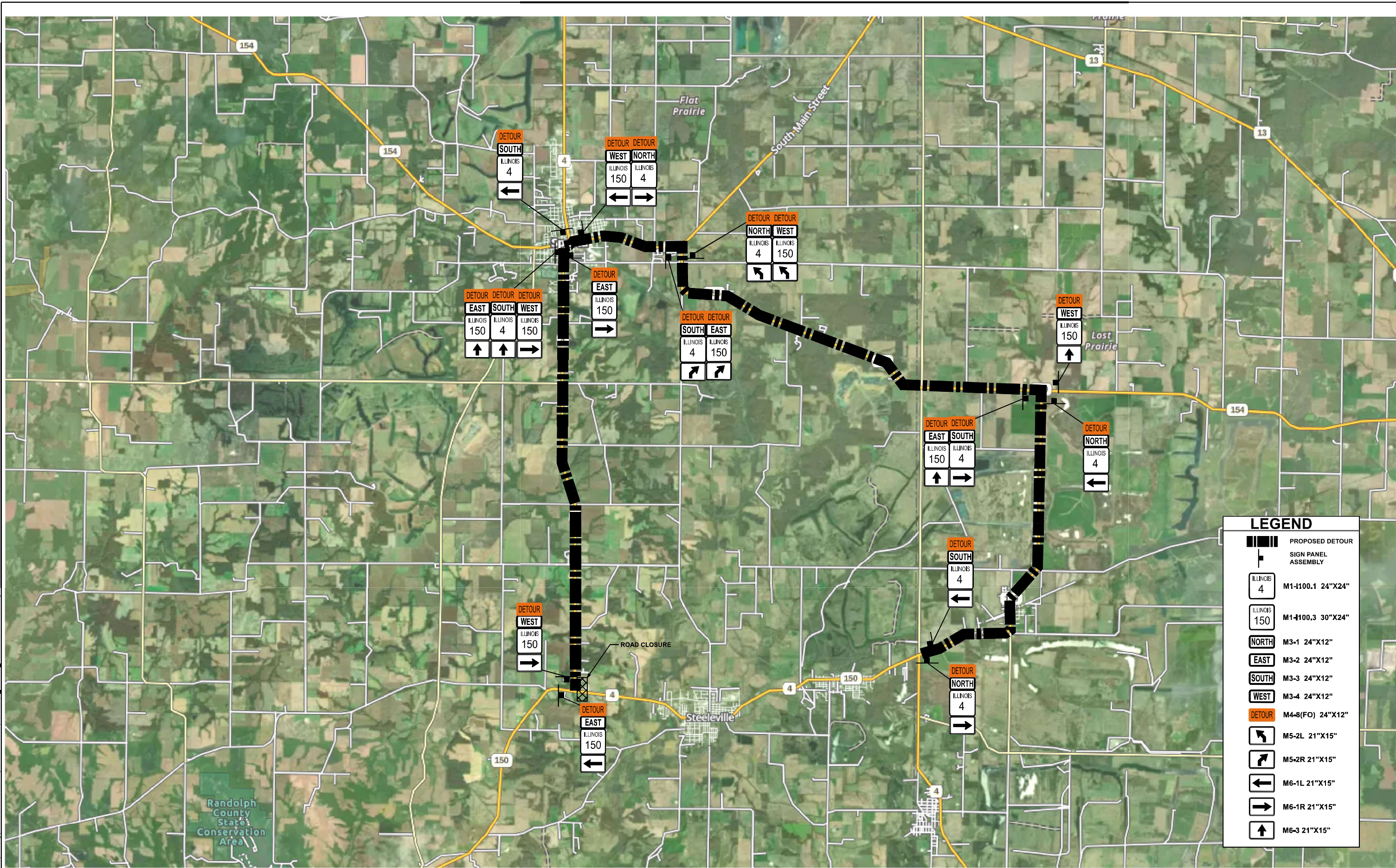
Note: All Iron Pins are 1/2" diameter x 30" long with aluminum cap, stamped "ILLINOIS DOT".

MODEL: ATB Benchmark (Sheet)
FILE NAME: P:\GIS\2021\09\17\20210917_01\Documents\DOT Project\20-1108.05 IL4 (CRD IL 150)_DOT\CAD_Sheets\10_10 CAD Sheets\0876M93-11-Align.dgn



1. IN STAGE 5, REOPEN IL 4, MAINTAIN ACCESS FOR ALL ENTRANCES. RELOCATE TEMPORARY CONCRETE BARRIER TO 1' FROM THE EDGE OF THE WESTBOUND LANE, SHIFT WESTBOUND TRAFFIC ONTO NEWLY CONSTRUCTED WESTBOUND PAVEMENT AND KEEP EASTBOUND TRAFFIC ON THE EASTBOUND LANE, REMOVE TEMPORARY PAVEMENT AND CONSTRUCT SHOULDER ALONG WESTBOUND IL 150, AND CONSTRUCT SOUTHBOUND RIGHT-TURN ISLAND.

MODEL: Detour Plan - East Leg
FILE NAME: F:\projects\682861A\DOT\CAD_Sheets\DOT682861A-East-Leg.dgn
204 E. Main St., Suite 200
Bellaire, TX 77401
409.233.2070
www.kaskaskia.com



LEGEND

PROPOSED DETOUR
SIGN PANEL
ASSEMBLY

ILLINOIS 4 M1-I100.1 24"x24"

ILLINOIS 150 M1-I100.3 30"x24"

NORTH M3-1 24"x12"

EAST M3-2 24"x12"

SOUTH M3-3 24"x12"

WEST M3-4 24"x12"

DETOUR M4-8(FO) 24"x12"

M5-2L 21"x15"

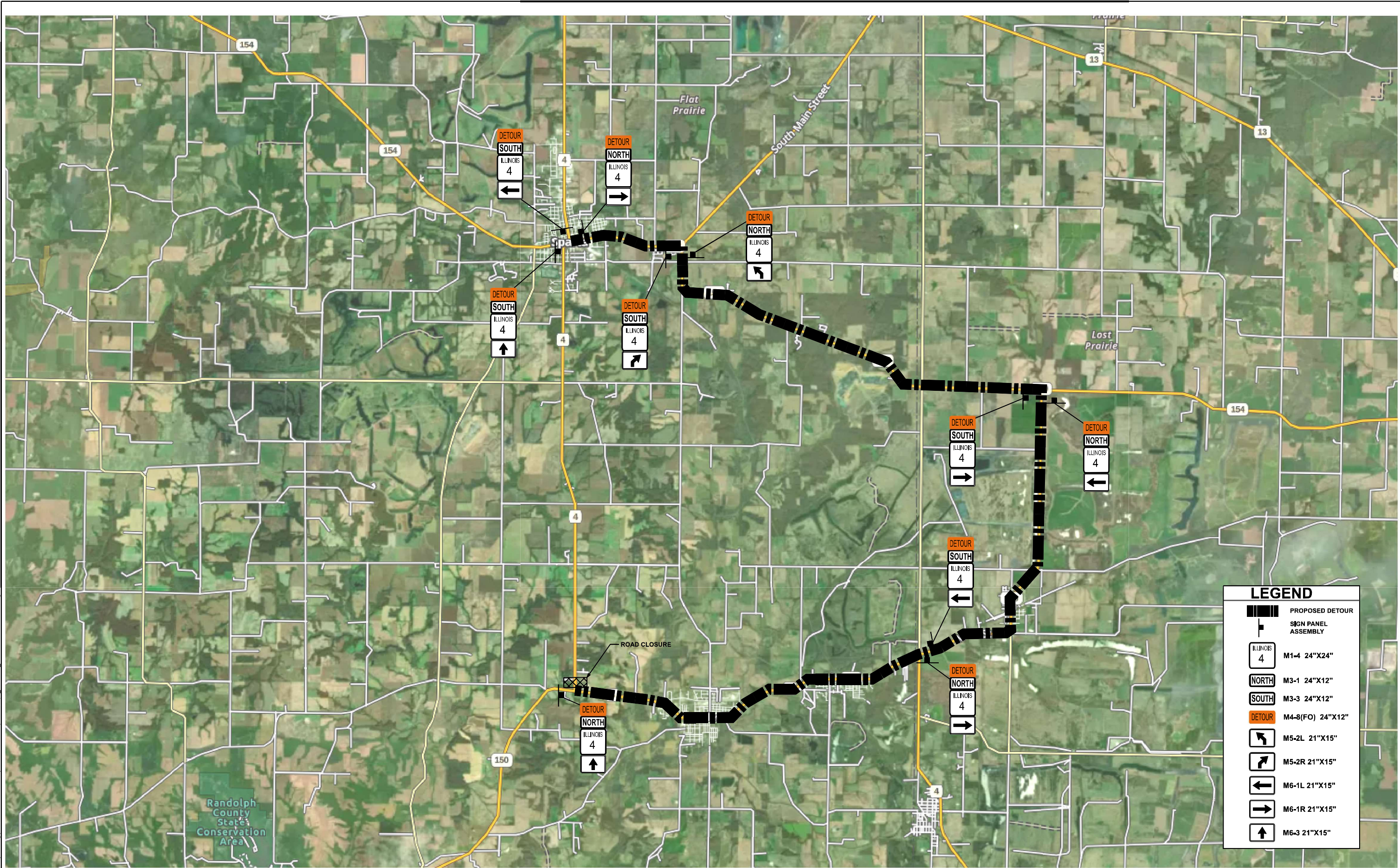
M5-2R 21"x15"

M6-1L 21"x15"

M6-1R 21"x15"

M6-3 21"x15"

 204 E. Main St., Suite 200 Bellaire, TX 77401 409.233.2070 www.kaskaskia.com	USER NAME = jwamer		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				FAP 682/861A (IL 4/150) DETOUR PLAN – EAST LEG CLOSURE				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633" / 1'		DRAWN -	REVISED -									*	110,119NR-1	RANDOLPH	70	14
	PLOT DATE = 5/10/2024		CHECKED -	REVISED -					*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93						
			DATE -	REVISED -					SCALE:		ILLINOIS	FED. AID PROJECT					
				SHEET 3 OF 9 SHEETS		STA. TO STA.											



LEGEND

PROPOSED DETOUR

SIGN PANEL ASSEMBLY

ILLINOIS 4

NORTH

SOUTH

DETOUR

M1-4 24"X24"

M3-1 24"X12"

M3-3 24"X12"

M4-8(FO) 24"X12"

M5-2L 21"X15"

M5-2R 21"X15"

M6-1L 21"X15"

M6-1R 21"X15"

M6-3 21"X15"

MODEL: Detour Plan - North Leg
FILE NAME: F:\Projects\2024\10\DOT\DOT CAD_Sheets\DOT\861A-861B-861C-861D-861E-861F-861G-861H-861I-861J-861K-861L-861M-861N-861O-861P-861Q-861R-861S-861T-861U-861V-861W-861X-861Y-861Z-861AA-861AB-861AC-861AD-861AE-861AF-861AG-861AH-861AI-861AJ-861AK-861AL-861AM-861AN-861AO-861AP-861AQ-861AR-861AS-861AT-861AU-861AV-861AW-861AX-861AY-861AZ-861BA-861BB-861BC-861BD-861BE-861BF-861BG-861BH-861BI-861BJ-861BK-861BL-861BM-861BN-861BO-861BP-861BQ-861BR-861BS-861BT-861BU-861BV-861BW-861BX-861BY-861BZ-861CA-861CB-861CC-861CD-861CE-861CF-861CG-861CH-861CI-861CJ-861CK-861CL-861CM-861CN-861CO-861CP-861CQ-861CR-861CS-861CT-861CU-861CV-861CW-861CX-861CY-861CZ-861DA-861DB-861DC-861DD-861DE-861DF-861DG-861DH-861DI-861DJ-861DK-861DL-861DM-861DN-861DO-861DP-861DQ-861DR-861DS-861DT-861DU-861DV-861DW-861DX-861DY-861DZ-861EA-861EB-861EC-861ED-861EE-861EF-861EG-861EH-861EI-861EJ-861EK-861EL-861EM-861EN-861EO-861EP-861EQ-861ER-861ES-861ET-861EU-861EV-861EW-861EX-861EY-861EZ-861FA-861FB-861FC-861FD-861FE-861FF-861FG-861FH-861FI-861FJ-861FK-861FL-861FM-861FN-861FO-861FP-861FQ-861FR-861FS-861FT-861FU-861FV-861FW-861FX-861FY-861FZ-861GA-861GB-861GC-861GD-861GE-861GF-861GG-861GH-861GI-861GJ-861GK-861GL-861GM-861GN-861GO-861GP-861GQ-861GR-861GS-861GT-861GU-861GV-861GW-861GX-861GY-861GZ-861HA-861HB-861HC-861HD-861HE-861HF-861HG-861HH-861HI-861HJ-861HK-861HL-861HM-861HN-861HO-861HP-861HQ-861HR-861HS-861HT-861HU-861HV-861HW-861HX-861HY-861HZ-861IA-861IB-861IC-861ID-861IE-861IF-861IG-861IH-861II-861IJ-861IK-861IL-861IM-861IN-861IO-861IP-861IQ-861IR-861IS-861IT-861IU-861IV-861IW-861IX-861IY-861IZ-861JA-861JB-861JC-861JD-861JE-861JF-861JG-861JH-861JI-861JJ-861JK-861JL-861JM-861JN-861JO-861JP-861JQ-861JR-861JS-861JT-861JU-861JV-861JW-861JX-861JY-861JZ-861KA-861KB-861KC-861KD-861KE-861KF-861KG-861KH-861KI-861KJ-861KK-861KL-861KM-861KN-861KO-861KP-861KQ-861KR-861KS-861KT-861KU-861KV-861KW-861KX-861KY-861KZ-861LA-861LB-861LC-861LD-861LE-861LF-861LG-861LH-861LI-861LJ-861LK-861LL-861LM-861LN-861LO-861LP-861LQ-861LR-861LS-861LT-861LU-861LV-861LW-861LX-861LY-861LZ-861MA-861MB-861MC-861MD-861ME-861MF-861MG-861MH-861MI-861MJ-861MK-861ML-861MM-861MN-861MO-861MP-861MQ-861MR-861MS-861MT-861MU-861MV-861MW-861MX-861MY-861MZ-861NA-861NB-861NC-861ND-861NE-861NF-861NG-861NH-861NI-861NJ-861NK-861NL-861NM-861NN-861NO-861NP-861NQ-861NR-861NS-861NT-861NU-861NV-861NW-861NX-861NY-861NZ-861OA-861OB-861OC-861OD-861OE-861OF-861OG-861OH-861OI-861OJ-861OK-861OL-861OM-861ON-861OO-861OP-861OQ-861OR-861OS-861OT-861OU-861OV-861OW-861OX-861OY-861OZ-861PA-861PB-861PC-861PD-861PE-861PF-861PG-861PH-861PI-861PJ-861PK-861PL-861PM-861PN-861PO-861PP-861PQ-861PR-861PS-861PT-861PU-861PV-861PW-861PX-861PY-861PZ-861QA-861QB-861QC-861QD-861QE-861QF-861QG-861QH-861QI-861QJ-861QK-861QL-861QM-861QN-861QO-861QP-861QQ-861QR-861QS-861QT-861QU-861QV-861QW-861QX-861QY-861QZ-861RA-861RB-861RC-861RD-861RE-861RF-861RG-861RH-861RI-861RJ-861RK-861RL-861RM-861RN-861RO-861RP-861RQ-861RR-861RS-861RT-861RU-861RV-861RW-861RX-861RY-861RZ-861SA-861SB-861SC-861SD-861SE-861SF-861SG-861SH-861SI-861SJ-861SK-861SL-861SM-861SN-861SO-861SP-861SQ-861SR-861SS-861ST-861SU-861SV-861SW-861SX-861SY-861SZ-861TA-861TB-861TC-861TD-861TE-861TF-861TG-861TH-861TI-861TJ-861TK-861TL-861TM-861TN-861TO-861TP-861TQ-861TR-861TS-861TT-861TU-861TV-861TW-861TX-861TY-861TZ-861UA-861UB-861UC-861UD-861UE-861UF-861UG-861UH-861UI-861UJ-861UK-861UL-861UM-861UN-861UO-861UP-861UQ-861UR-861US-861UT-861UU-861UV-861UW-861UX-861UY-861UZ-861VA-861VB-861VC-861VD-861VE-861VF-861VG-861VH-861VI-861VJ-861VK-861VL-861VM-861VN-861VO-861VP-861VQ-861VR-861VS-861VT-861VU-861VV-861VW-861VX-861VY-861VZ-861WA-861WB-861WC-861WD-861WE-861WF-861WG-861WH-861WI-861WJ-861WK-861WL-861WM-861WN-861WO-861WP-861WQ-861WR-861WS-861WT-861WU-861WV-861WW-861WX-861WY-861WZ-861XA-861XB-861XC-861XD-861XE-861XF-861XG-861XH-861XI-861XJ-861XK-861XL-861XM-861XN-861XO-861XP-861XQ-861XR-861XS-861XT-861XU-861XV-861XW-861XX-861XY-861XZ-861YA-861YB-861YC-861YD-861YE-861YF-861YG-861YH-861YI-861YJ-861YK-861YL-861YM-861YN-861YO-861YP-861YQ-861YR-861YS-861YT-861YU-861YV-861YW-861YX-861YY-861YZ-861ZA-861ZB-861ZC-861ZD-861ZE-861ZF-861ZG-861ZH-861ZI-861ZJ-861ZK-861ZL-861ZM-861ZN-861ZO-861ZP-861ZQ-861ZR-861ZS-861ZT-861ZU-861ZV-861ZW-861ZX-861ZY-861ZZ

Kaskaskia
Engineering Group, LLC
204 E. Main St., Suite 200
Bella Vista, IL 62809
618.233.2070
www.kaskaskiaeng.com

USER NAME	jwanner	DESIGNED	-	REVISED	-
DRAWN	-	REVISION	-	REVISION	-
CHECKED	-	REVISION	-	REVISION	-
DATE	-	REVISION	-	REVISION	-
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PLOT DATE	5/10/2024				

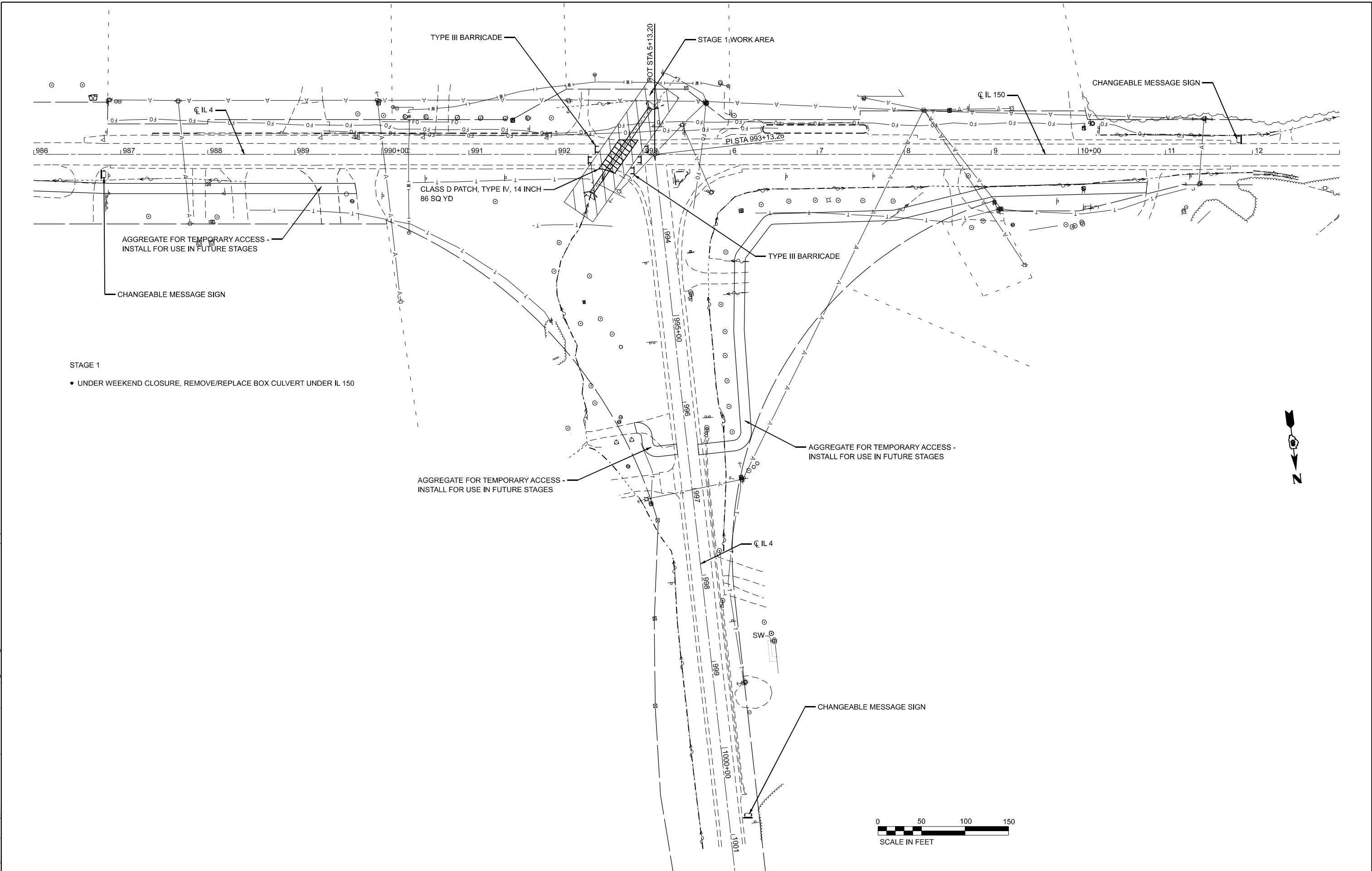
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 682/861A (IL 4150)
DETOUR PLAN - NORTH LEG CLOSURE**

SCALE: SHEET 4 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	15
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
ILLINOIS		FED. AID PROJECT		

MODEL: IL 4 150 - NOT Stage 1 Plan [Sheet]
FILE NAME: P:\projects\682861A\DOT Projects\20-1108.05 IL 4 (CRD 10.DWG_IDOT\CAD_Sheets\10_10 CAD Sheets\682861A-IL 4 NOT Stg 1.dgn



STAGE 1

- UNDER WEEKEND CLOSURE, REMOVE/REPLACE BOX CULVERT UNDER IL 150

Kaskaskia
Engineering Group, LLC
Professional Engineering Group

USER NAME	= jwarner	DESIGNED	-	REVISED	-
DRAWN	-	DRAWN	-	REVISED	-
CHECKED	-	CHECKED	-	REVISED	-
DATE	-	DATE	-	REVISED	-
PLOT SCALE	= 0.16666633" / ft.				
PLOT DATE	= 5/29/2024				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
MAINTENANCE OF TRAFFIC - STAGE 1

SCALE: 1"=50' SHEET 5 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	16
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
ILLINOIS		FED. AID PROJECT		

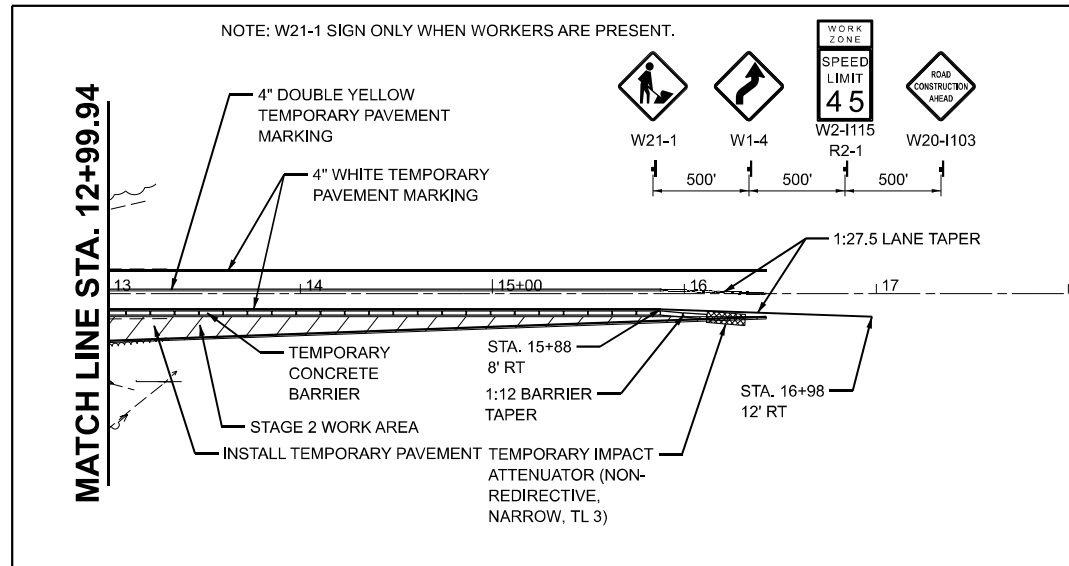
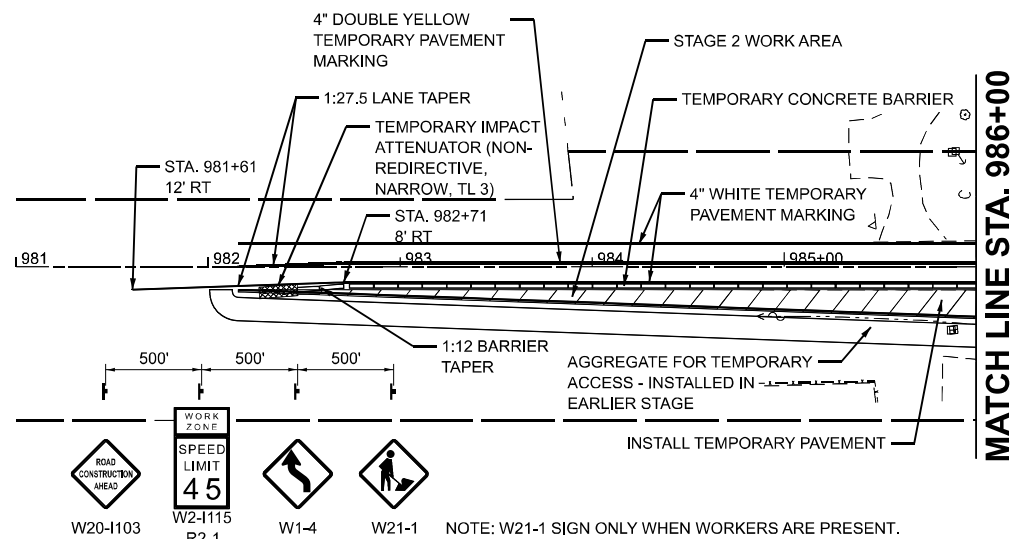
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MATCH LINE STA. 986+00

MATCH LINE STA. 12+99.94

STAGE 2

- CLOSE IL 4
- PLACE TEMPORARY CONCRETE BARRIER ON THE WESTBOUND THRU TRAFFIC, 1' FROM THE EDGE OF THE EXISTING PAVEMENT
- UTILIZE 10' LANES IN EACH DIRECTION
- REMOVE THE EXISTING HMA SHOULDER ALONG THE WESTBOUND LANE AND PAVEMENT AND SHOULDERS ON IL 4
- CONSTRUCT TEMPORARY PAVEMENT (APPROX. 17' WIDE) ALONG THE NORTH SIDE OF IL 150 AND START ON THE IL 4 PAVEMENT AND SHOULDERS
- CONSTRUCT FINAL PAVEMENT STRUCTURE FOR THE IL 4 PAVEMENT AT THE INTERSECTION (USE A TEMPORARY HMA MIXTURE AT THE PROPOSED MEDIAN LOCATION)
- MAINTAIN ACCESS FOR ENTRANCES



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

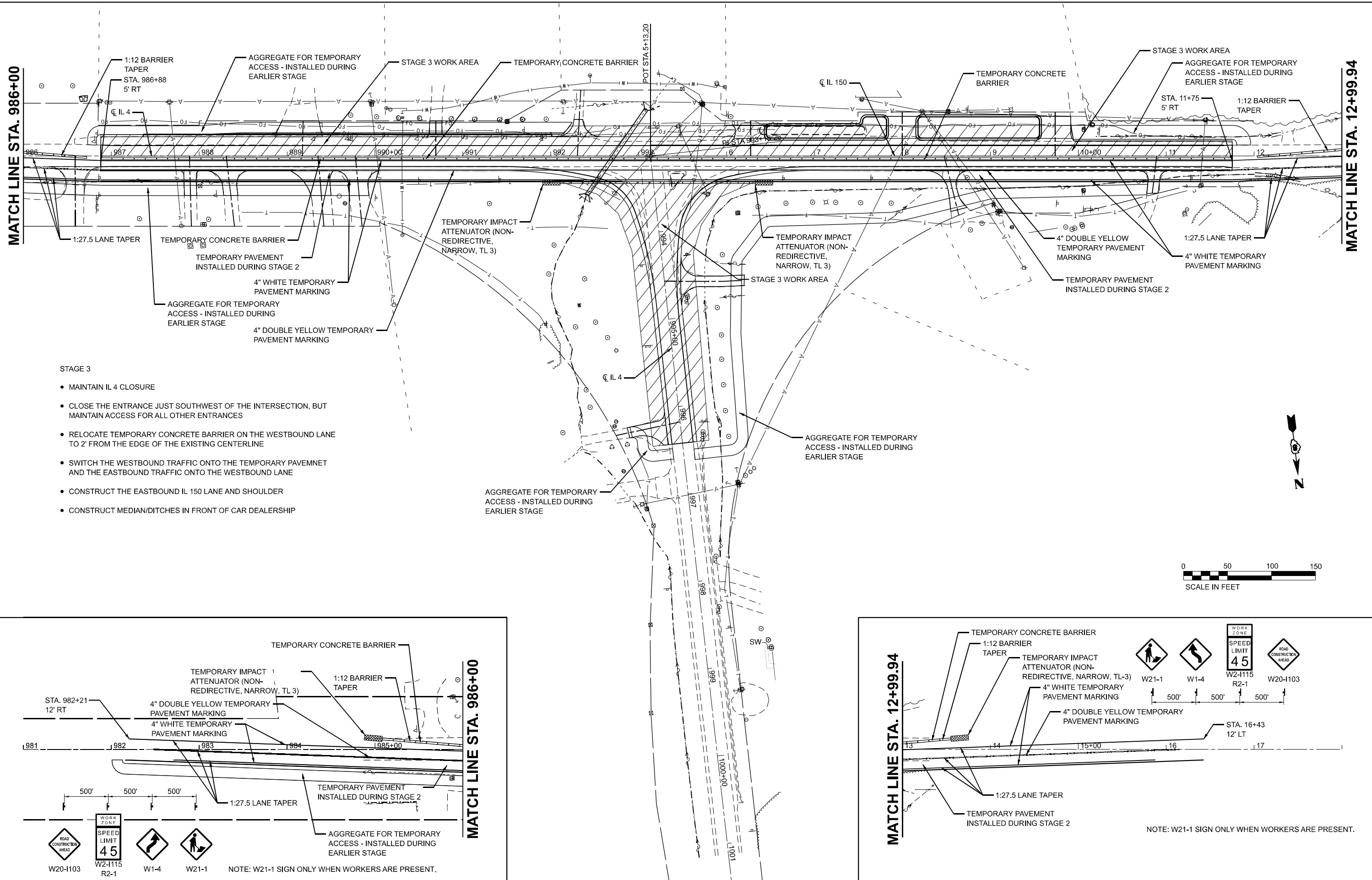
FAP 682/861A (IL 4150)
MAINTENANCE OF TRAFFIC - STAGE 2

SCALE: 1"=50'

SHEET 6 OF 9 SHEETS STA. TO STA.

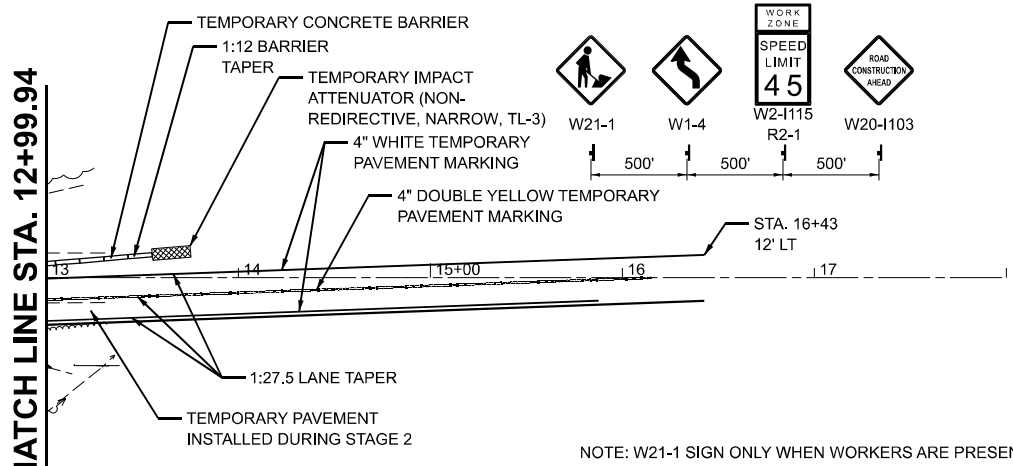
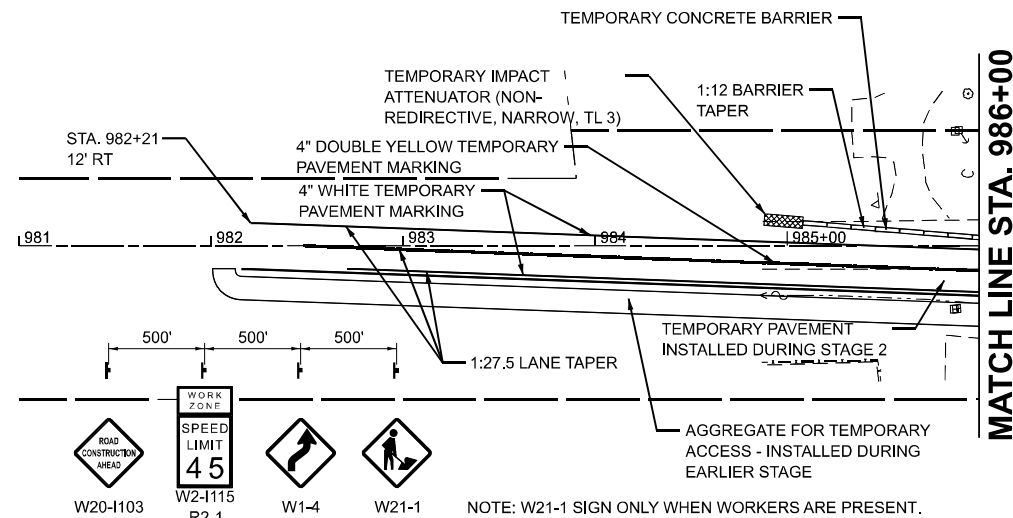
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* F.A.P. 682/F.A.P. 861A	110,119NR-1	RANDOLPH	70	17
CONTRACT NO. 76M93			ILLINOIS FED. AID PROJECT	

MODEL: IL 4 150 - NOT Stage 3 Plan (Sheet)
FILE NAME: P:\Projects\2024\10\DOT\DOT-CAD-Sheets\10_CAD-Sheets\DOT\682861A-IL4-MOT-S3.dgn



STAGE 3

- MAINTAIN IL 4 CLOSURE
- CLOSE THE ENTRANCE JUST SOUTHWEST OF THE INTERSECTION, BUT MAINTAIN ACCESS FOR ALL OTHER ENTRANCES
- RELOCATE TEMPORARY CONCRETE BARRIER ON THE WESTBOUND LANE TO 2' FROM THE EDGE OF THE EXISTING CENTERLINE
- SWITCH THE WESTBOUND TRAFFIC ONTO THE TEMPORARY PAVEMNET AND THE EASTBOUND TRAFFIC ONTO THE WESTBOUND LANE
- CONSTRUCT THE EASTBOUND IL 150 LANE AND SHOULDER
- CONSTRUCT MEDIAN/DITCHES IN FRONT OF CAR DEALERSHIP



USER NAME	= j.warner	DESIGNED	-	REVISED	-
DRAWN		REVIS	-	REVISED	-
CHECKED		REVIS	-	REVISED	-
DATE		REVIS	-	REVISED	-
PLOT SCALE	= 0.16666633" / ft.				
PLOT DATE	= 5/29/2024				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

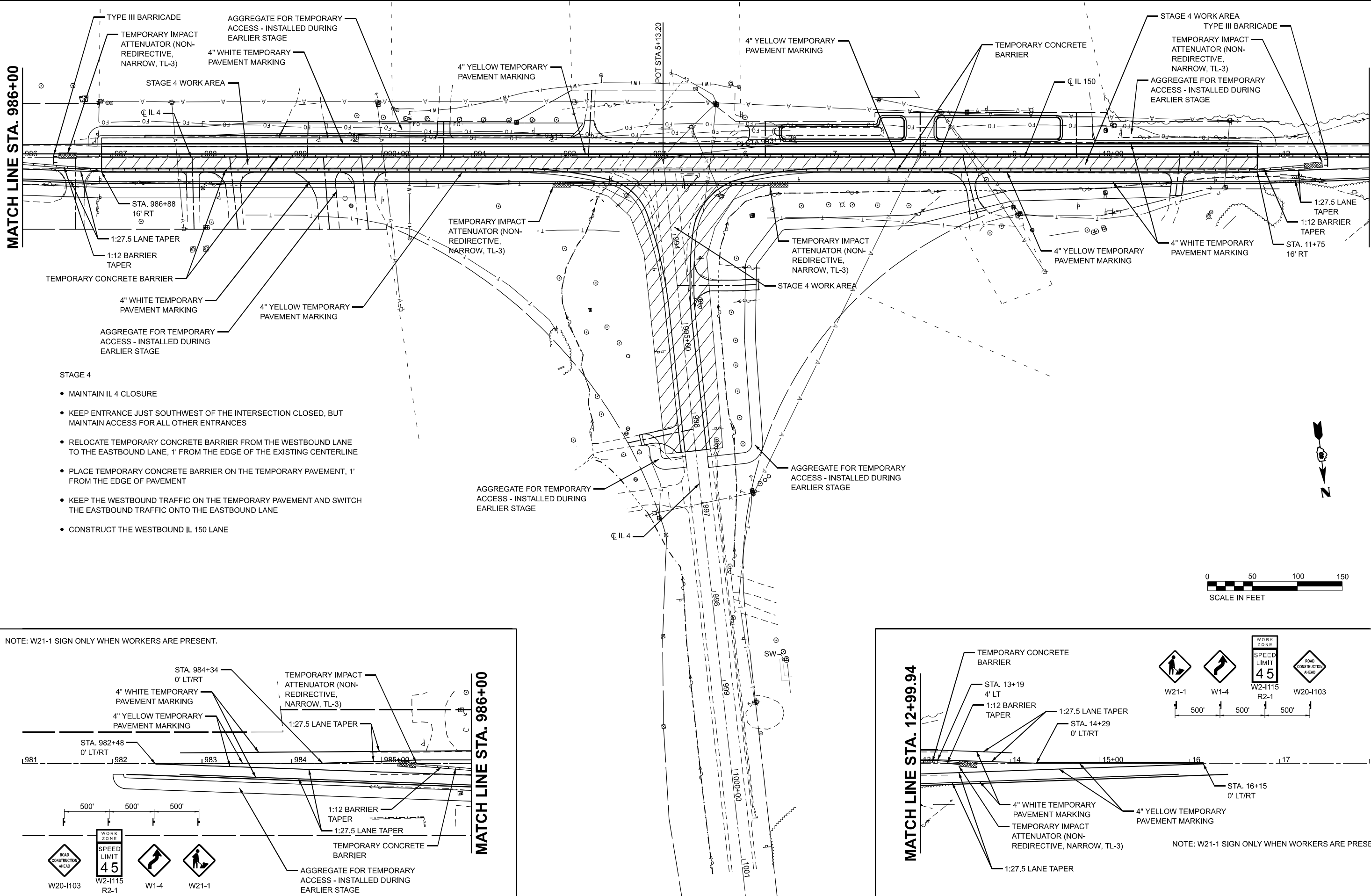
FAP 682861A (IL 4150)
MAINTENANCE OF TRAFFIC - STAGE 3

SCALE: 1"=50' SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	18
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS FED. AID PROJECT		

MATCH LINE STA. 986+00

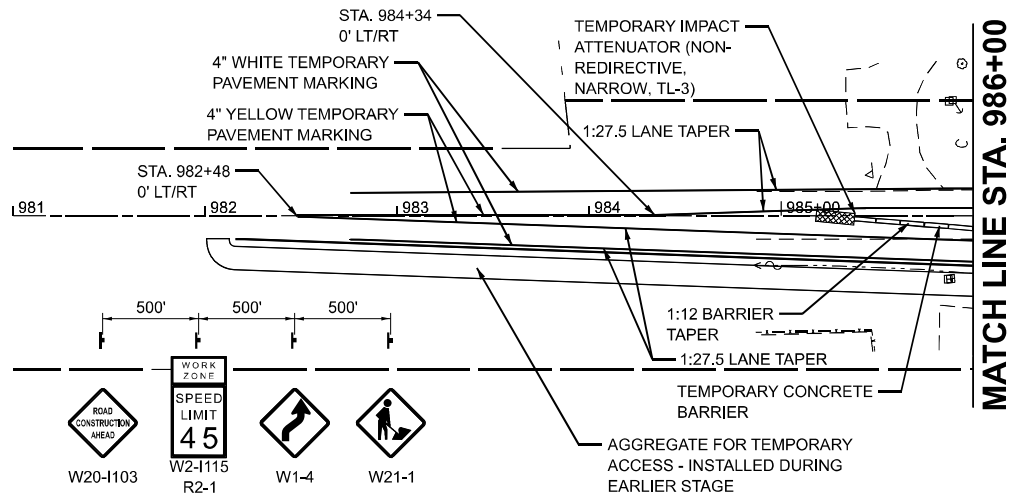
MATCH LINE STA. 12+99.94



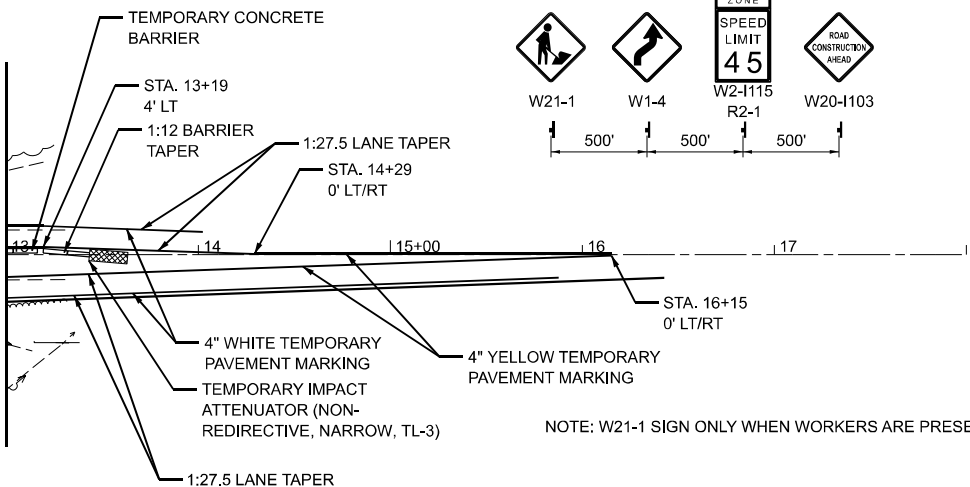
STAGE 4

- MAINTAIN IL 4 CLOSURE
- KEEP ENTRANCE JUST SOUTHWEST OF THE INTERSECTION CLOSED, BUT MAINTAIN ACCESS FOR ALL OTHER ENTRANCES
- RELOCATE TEMPORARY CONCRETE BARRIER FROM THE WESTBOUND LANE TO THE EASTBOUND LANE, 1' FROM THE EDGE OF THE EXISTING CENTERLINE
- PLACE TEMPORARY CONCRETE BARRIER ON THE TEMPORARY PAVEMENT, 1' FROM THE EDGE OF PAVEMENT
- KEEP THE WESTBOUND TRAFFIC ON THE TEMPORARY PAVEMENT AND SWITCH THE EASTBOUND TRAFFIC ONTO THE EASTBOUND LANE
- CONSTRUCT THE WESTBOUND IL 150 LANE

NOTE: W21-1 SIGN ONLY WHEN WORKERS ARE PRESENT.



MATCH LINE STA. 12+99.94



NOTE: W21-1 SIGN ONLY WHEN WORKERS ARE PRESENT.

MODEL: IL 4 150 - NOT Stage 4 Plan [Sheet]
FILE NAME: P:\Projects\2021\10805 IL 4 (CRD 10 10 10) DOT CAD Sheets\10 10 CAD Sheets\DOT\10805-114-MOT-STA4.dgn



USER NAME	= jwarner	DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-	REVISED	-
CHECKED	-	REVISED	-	REVISED	-
DATE	-	REVISED	-	REVISED	-
PLOT SCALE	= 0.16666633" / ft.				
PLOT DATE	= 5/29/2024				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
MAINTENANCE OF TRAFFIC - STAGE 4

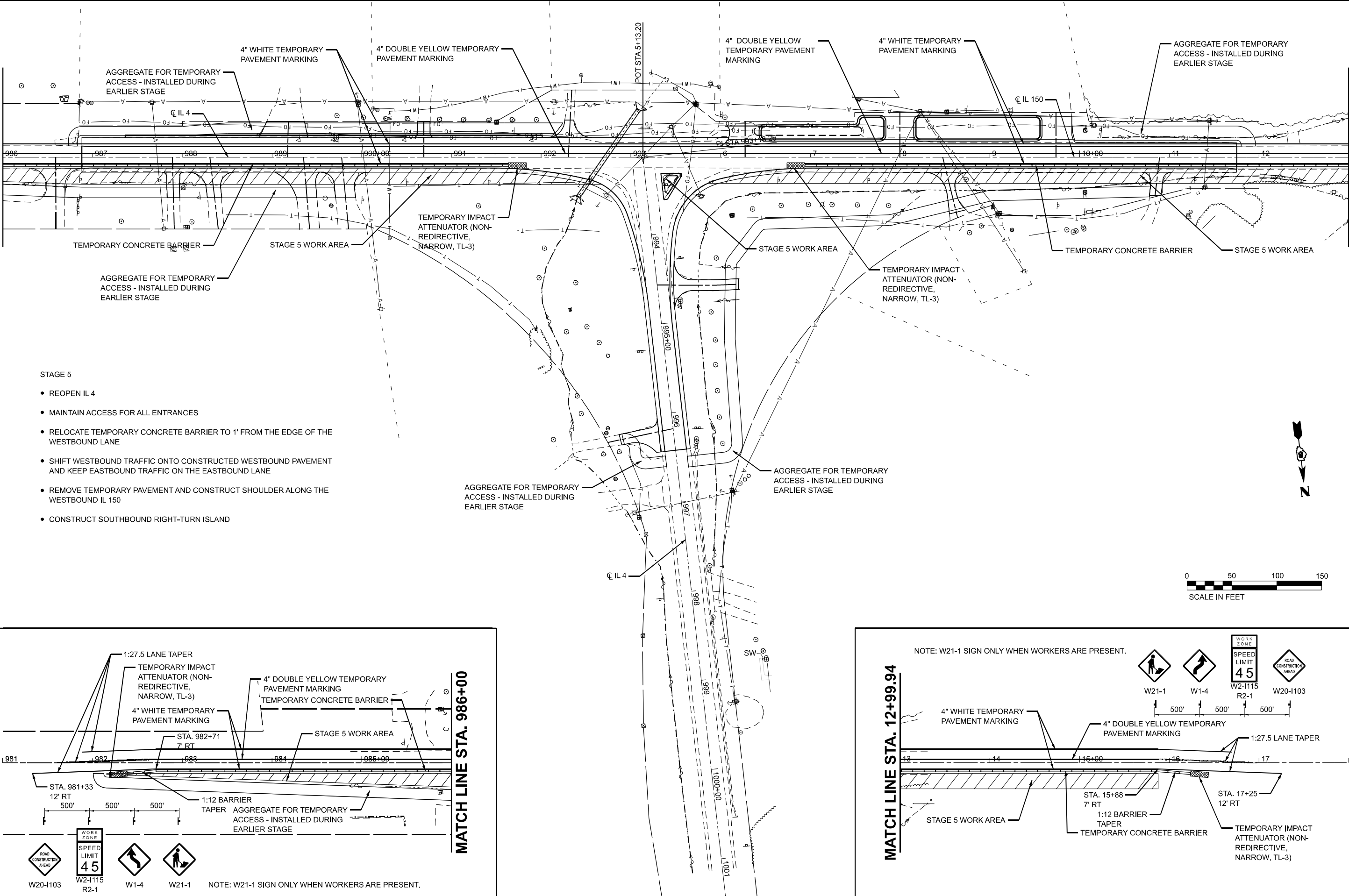
SCALE: 1"=50'

SHEET 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	19
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS FED. AID PROJECT		

MODEL: IL 4 150 - NOT Stage 5 Plan (Sheet)
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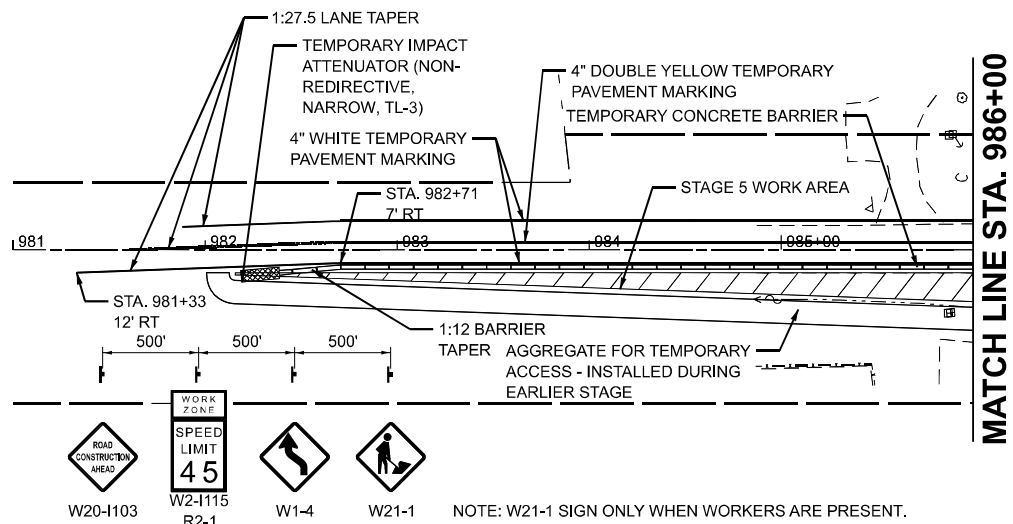
MATCH LINE STA. 986+00



MATCH LINE STA. 12+99.94

STAGE 5

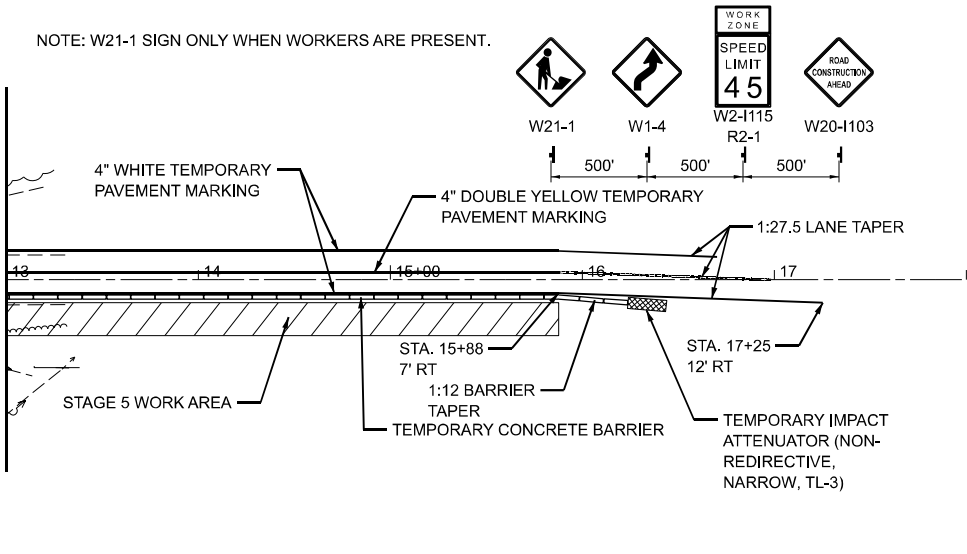
- REOPEN IL 4
- MAINTAIN ACCESS FOR ALL ENTRANCES
- RELOCATE TEMPORARY CONCRETE BARRIER TO 1' FROM THE EDGE OF THE WESTBOUND LANE
- SHIFT WESTBOUND TRAFFIC ONTO CONSTRUCTED WESTBOUND PAVEMENT AND KEEP EASTBOUND TRAFFIC ON THE EASTBOUND LANE
- REMOVE TEMPORARY PAVEMENT AND CONSTRUCT SHOULDER ALONG THE WESTBOUND IL 150
- CONSTRUCT SOUTHBOUND RIGHT-TURN ISLAND



MATCH LINE STA. 986+00

MATCH LINE STA. 12+99.94

NOTE: W2-I1 SIGN ONLY WHEN WORKERS ARE PRESENT.



201 E. Main St., Suite 201
Bella Vista, Illinois 62809
618.233.2877 phone
618.233.2877 fax
www.kaskaskiaeng.com

10/10/2024
20-088956

USER NAME	= jwarner
DESIGNED	-
DRAWN	-
PLOT SCALE	= 0.16666633" / ft.
PLOT DATE	= 5/29/2024

REVISED	-
REVISED	-
REVISED	-
REVISED	-

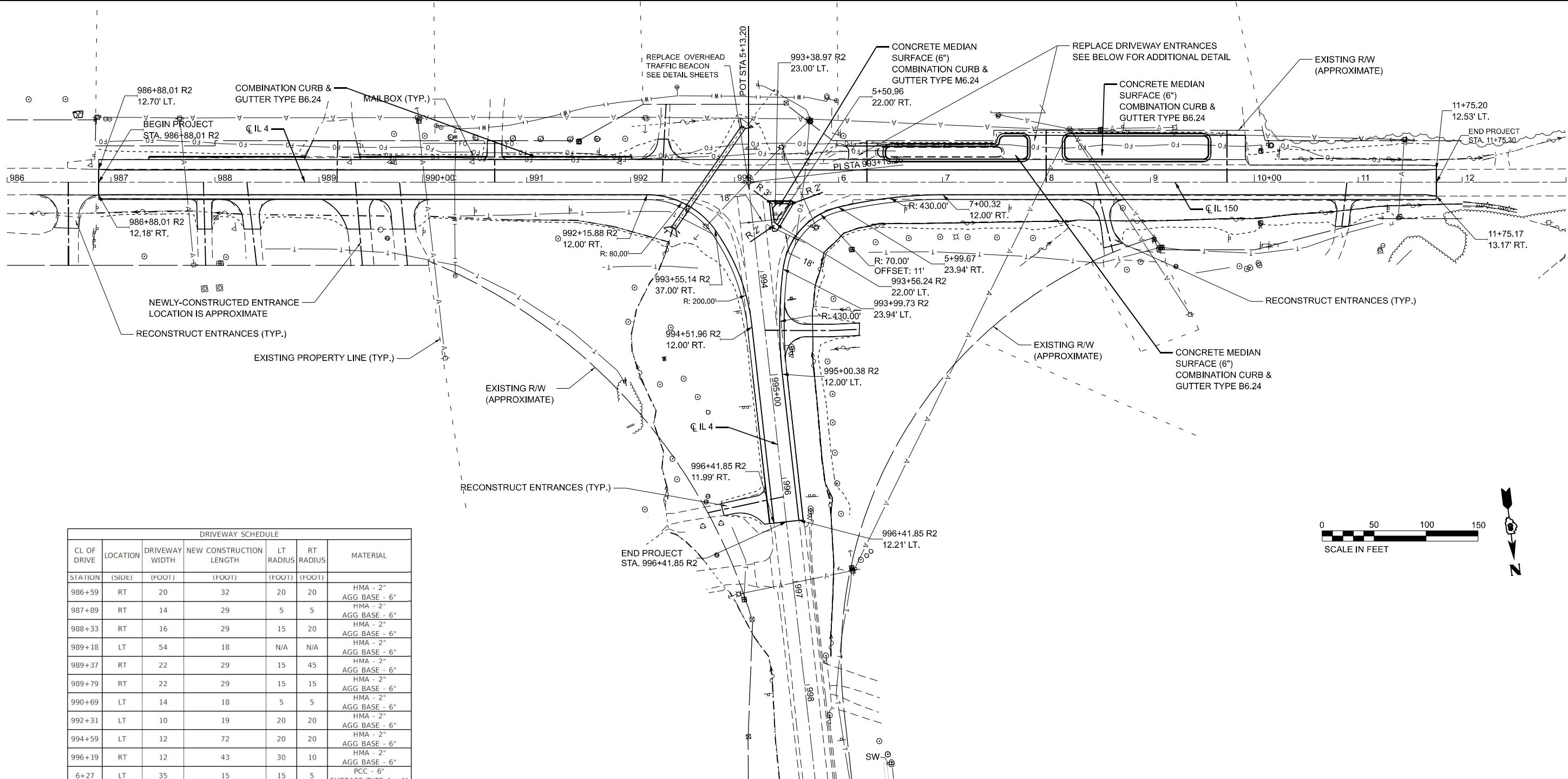
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
MAINTENANCE OF TRAFFIC - STAGE 5

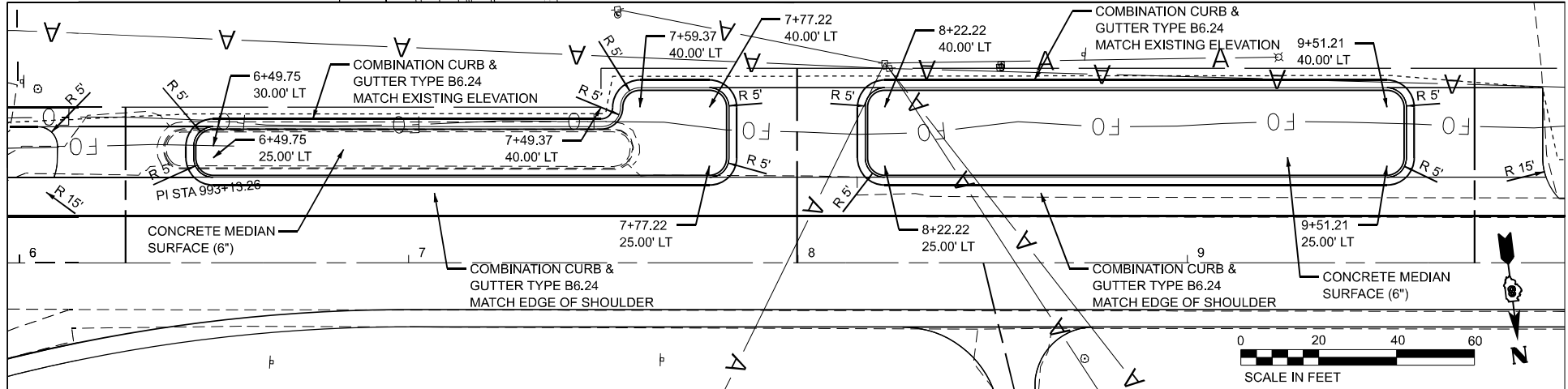
SCALE: 1"=50'

SHEET 9 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	20
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
	ILLINOIS	FED. AID PROJECT		

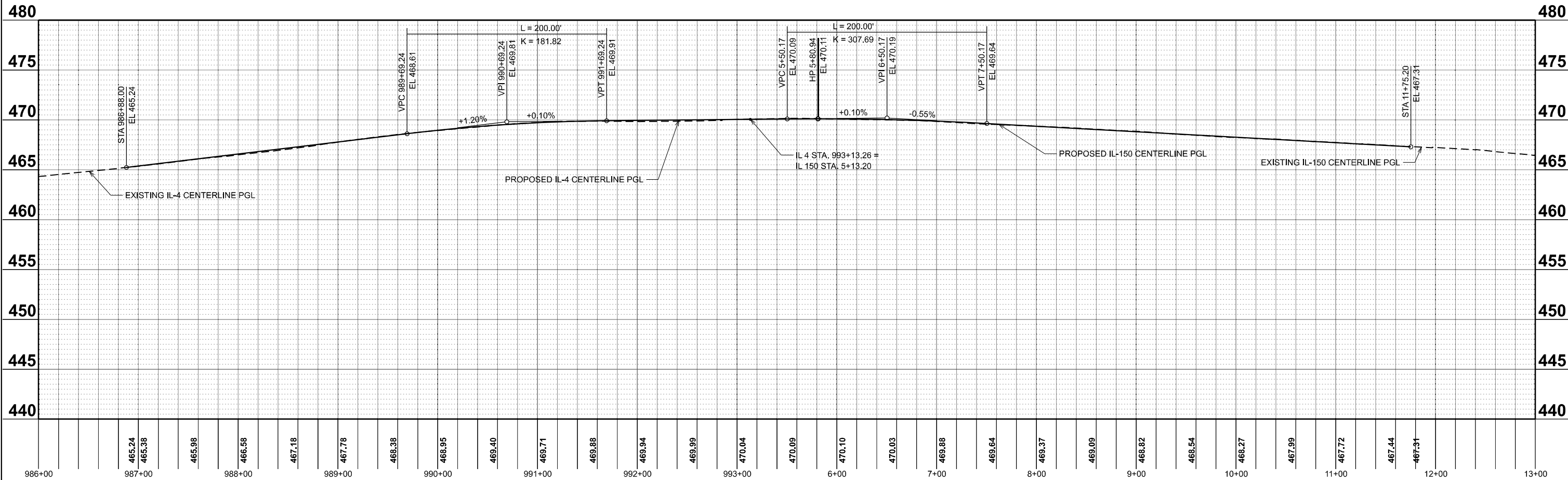


DRIVEWAY SCHEDULE						
CL OF DRIVE	LOCATION	DRIVEWAY WIDTH	NEW CONSTRUCTION LENGTH	LT RADIUS	RT RADIUS	MATERIAL
STATION	(SIDE)	(FOOT)	(FOOT)	(FOOT)	(FOOT)	
986+59	RT	20	32	20	20	HMA - 2" AGG BASE - 6"
987+89	RT	14	29	5	5	HMA - 2" AGG BASE - 6"
988+33	RT	16	29	15	20	HMA - 2" AGG BASE - 6"
989+18	LT	54	18	N/A	N/A	HMA - 2" AGG BASE - 6"
989+37	RT	22	29	15	45	HMA - 2" AGG BASE - 6"
989+79	RT	22	29	15	15	HMA - 2" AGG BASE - 6"
990+69	LT	14	18	5	5	HMA - 2" AGG BASE - 6"
992+31	LT	10	19	20	20	HMA - 2" AGG BASE - 6"
994+59	LT	12	72	20	20	HMA - 2" AGG BASE - 6"
996+19	RT	12	43	30	10	HMA - 2" AGG BASE - 6"
6+27	LT	35	15	15	5	PCC - 6" SUBBASE TYPE A - 4"
8+00	LT	35	25	5	5	PCC - 6" SUBBASE TYPE A - 4"
8+52	RT	10	46	15	25	HMA - 2" AGG BASE - 6"
9+74	LT	35	25	5	15	PCC - 6" SUBBASE TYPE A - 4"
10+87	RT	13	26	10	10	HMA - 2" AGG BASE - 6"

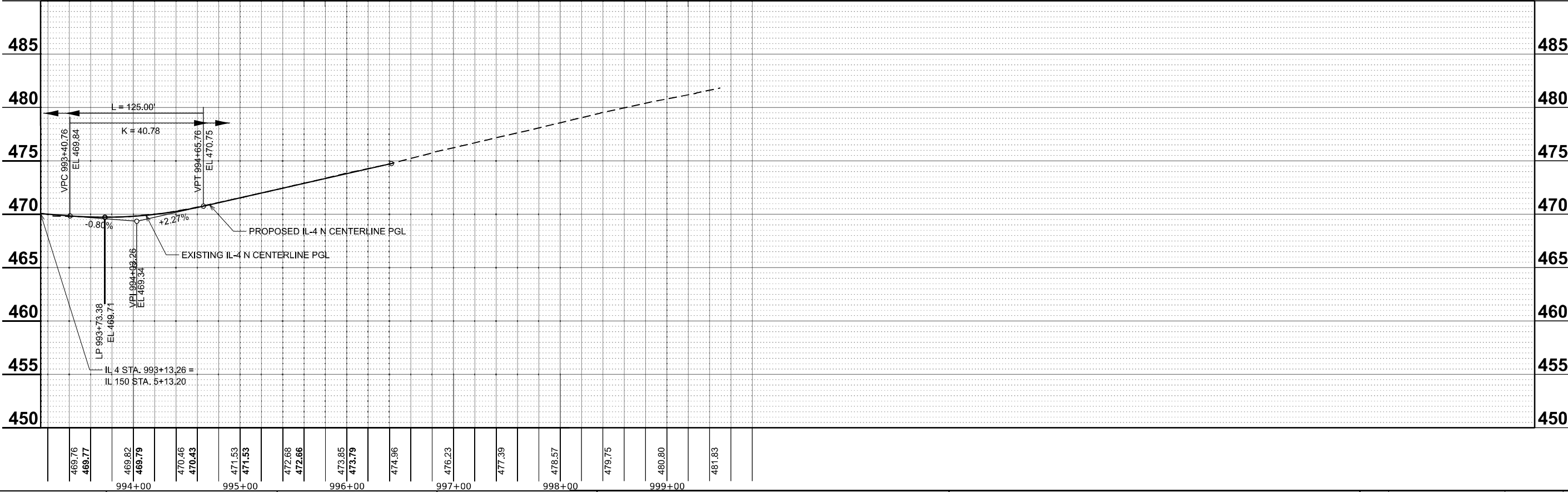


MODEL: IL 4 150 - Roadway Plan (Sheet)
FILE NAME: P:\projects\2021\10805 IL 4 (CRD 10.10.10) DOT CAD - Sheets\DOT 682861A-110805 IL 4.dwg

E-W ALIGNMENT - IL 4 (E) / IL 150 (W)

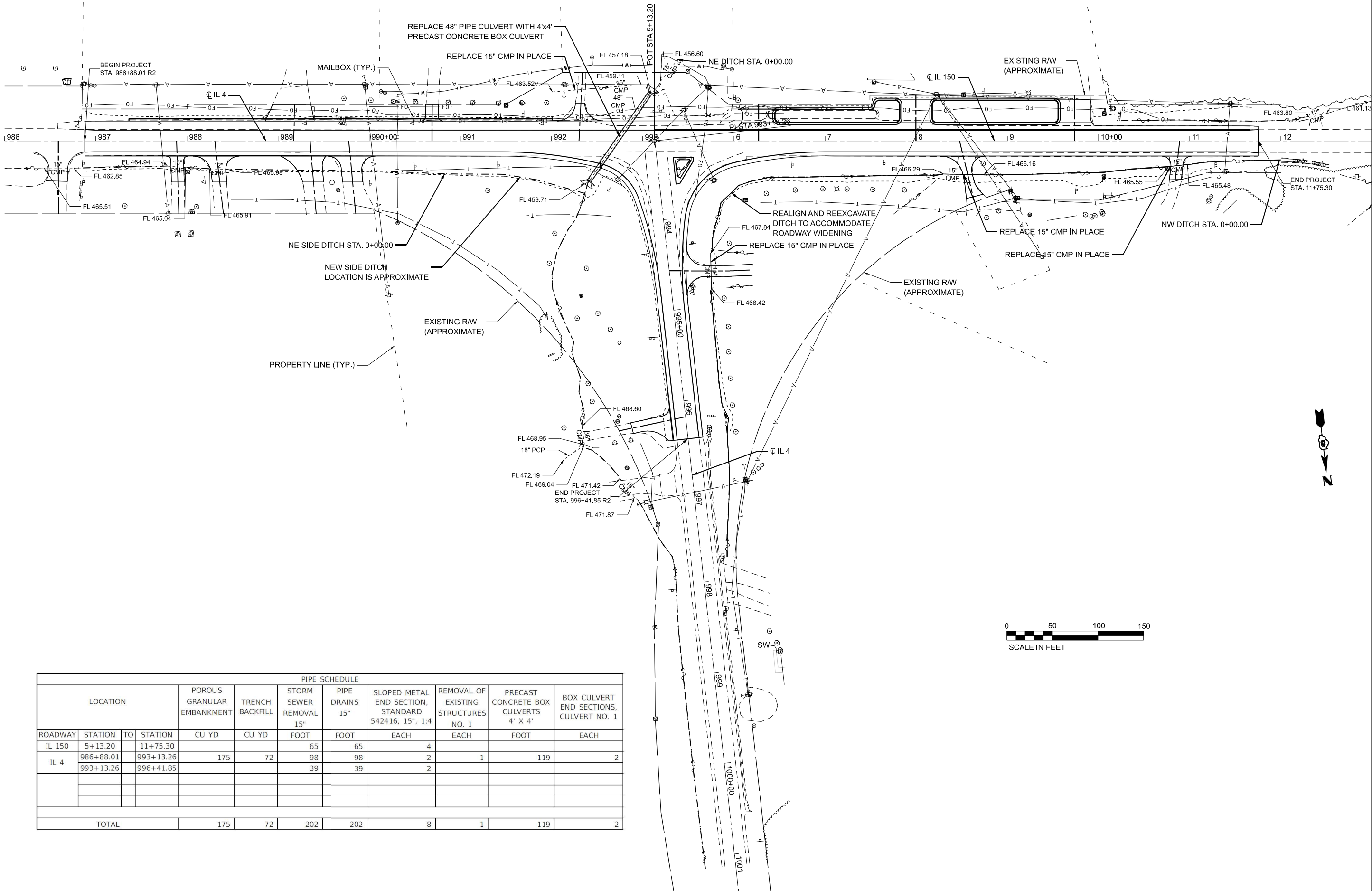


N-S ALIGNMENT - IL 4 (N)



MODEL: IL 4 150 - Roadway Profiles (Sheet)
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MODEL: IL 4 150 - Drainage Plan (Sheet)
FILE NAME: P:\Projects\2024\110,119NR-1\110,119NR-1\DOT\CAD_Sheets\10_10 CAD Sheets\08761A\5-11-24\110,119NR-1.dgn



PIPE SCHEDULE											
LOCATION				POROUS GRANULAR EMBANKMENT	TRENCH BACKFILL	STORM SEWER REMOVAL 15"	PIPE DRAINS 15"	SLOPED METAL END SECTION, STANDARD 542416, 15", 1:4	REMOVAL OF EXISTING STRUCTURES NO. 1	PRECAST CONCRETE BOX CULVERTS 4' X 4'	BOX CULVERT END SECTIONS, CULVERT NO. 1
ROADWAY	STATION	TO	STATION	CU YD	CU YD	FOOT	FOOT	EACH	EACH	FOOT	EACH
IL 150	5+13.20		11+75.30			65	65	4			
IL 4	986+88.01		993+13.26	175	72	98	98	2	1	119	2
	993+13.26		996+41.85			39	39	2			
TOTAL				175	72	202	202	8	1	119	2

200 E. Main St., Suite 200
Kaskaskia, Illinois 62401
618.233.2877
618.233.2877 Fax
www.kaskaskiaeng.com

Professional Engineering Firm
Professional Engineering Group

ILLINOIS
20-088006

USER NAME	= j.warner	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / ft.	CHECKED	-	REVISED	-
PLOT DATE	= 5/29/2024	DATE	-	REVISED	-

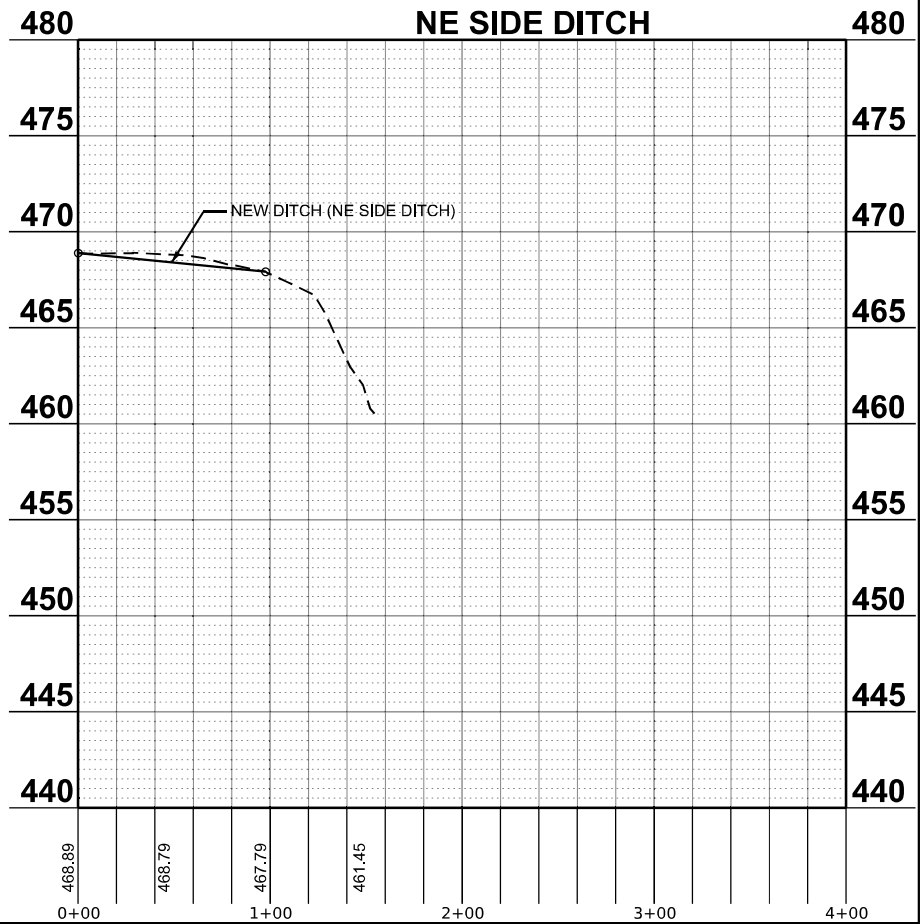
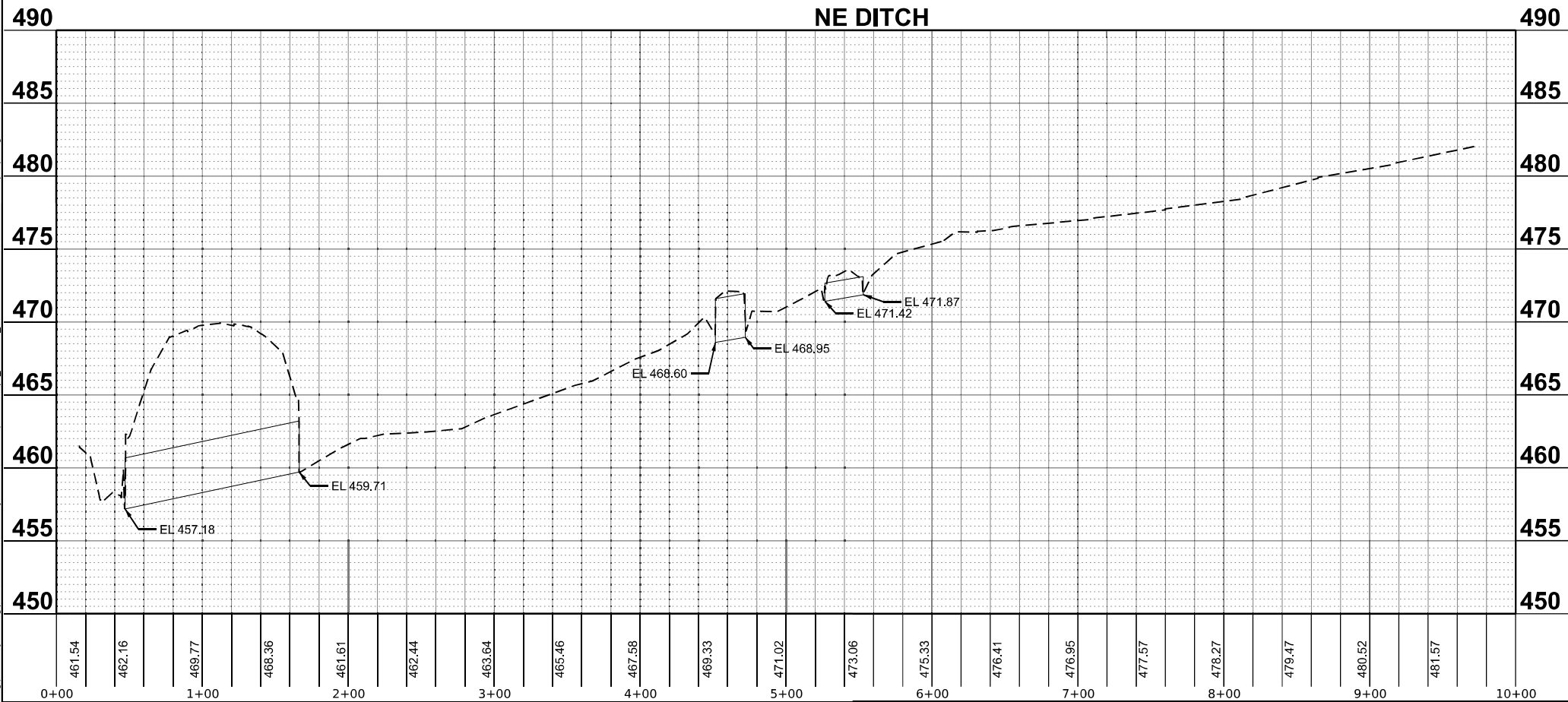
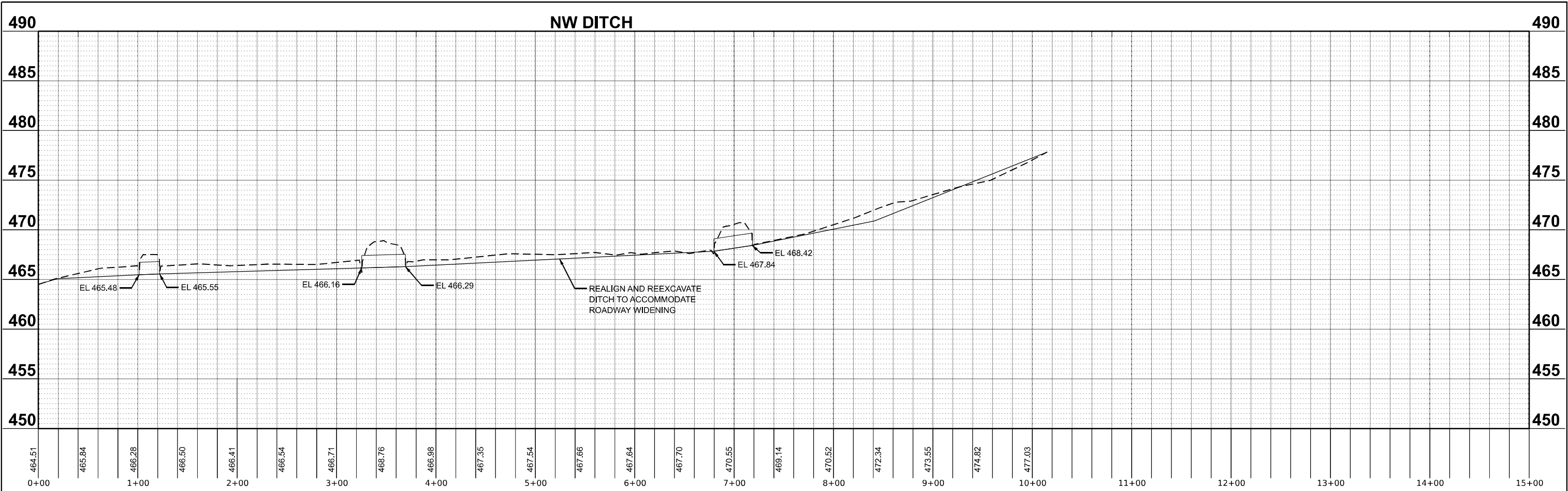
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
DRAINAGE PLAN

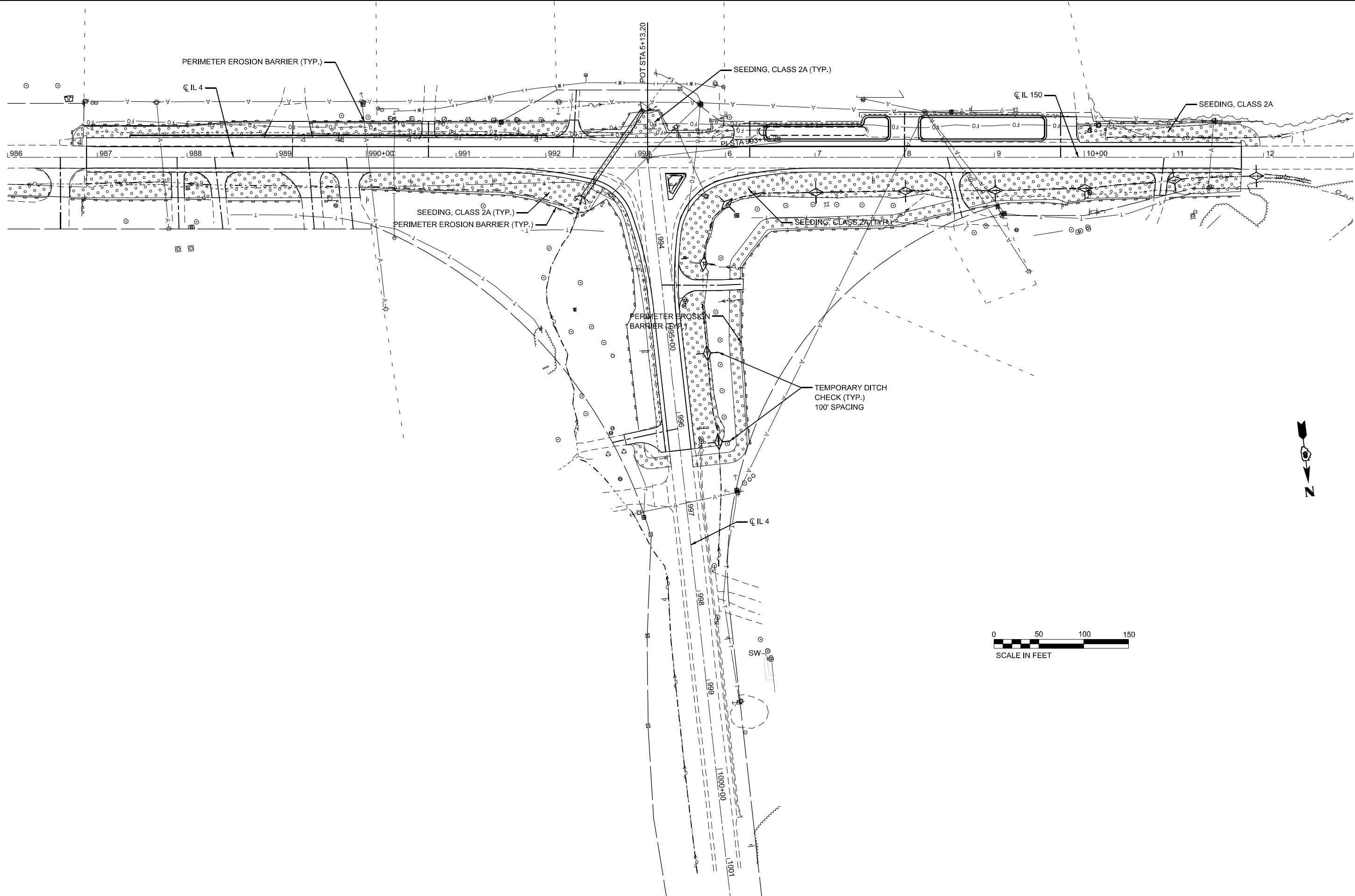
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	24
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
ILLINOIS FED. AID PROJECT				

MODEL - Profile - Ditches (Sheet)
FILE NAME - P:\GIS\Projects\DOT\Projects\2024\108.05 IL-4 (RD-10, DVB, IDOT/CAD_Sheets\10.10 CAD Sheets\DWG\MS-34-Hamond.dgn



MODEL: IL 4 150 - ESC Plan (Sheet)
FILE NAME: P:\projects\2024\110805 IL 4 (CRD 10, DIV 10, DOT CAD, Sheets)\10 CAD Sheets\0876M93-11-ESC.dgn



Kaskaskia
Engineering Group, LLC
Professional Engineering Group

201 E. Main St., Suite 201
Bella Vista, Illinois 62220
618.233.2877 Phone
618.233.2877 Fax
www.kaskaskiaeng.com

ILLINOIS
Professional Engineering Group
05-000000

USER NAME	= jwarner	DESIGNED	-	REVISED	-
DRAWN	-	DRAWN	-	REVISED	-
CHECKED	-	CHECKED	-	REVISED	-
DATE	-	DATE	-	REVISED	-
PLOT SCALE	= 0.16666633" / ft.				
PLOT DATE	= 5/29/2024				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 682/861A (IL 4150)
EROSION CONTROL PLAN**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	26
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
ILLINOIS		FED. AID PROJECT		



MODEL: Intersection Details [Sheet]

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	DRAWN -	REVISED -
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PLOT DATE = 8/27/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FAP 682/861A (IL 4150)
INTERSECTION DETAILS

SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	29
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
ILLINOIS		FED. AID PROJECT		

GENERAL NOTES

THIS PROJECT IS LOCATED AT THE INTERSECTION OF IL 4 AND IL 150 IN RANDOLPH COUNTY. THE WORK INCLUDED IN THIS SECTION CONSISTS OF INSTALLING AN OVERHEAD FLASHING BEACON AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CALL J.U.L.I.E. AT 1-800-892-0123.

THE DISTRICT ELECTRICAL SERVICES SUPERVISOR AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE NOTIFIED AT 618-346-3274 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNIT.

THE LOCATION OF ALL FLASHING BEACON COMPONENTS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. THE FINAL LOCATION SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE SIZE OF THE CABLE SUPPLIED SHALL BE EQUAL TO OR GREATER THAN THE SIZE OF THE CABLE REQUIRED TO CARRY THE LOAD BETWEEN THE CONTROLLER AND THE SERVICE INSTALLATION.

A 2 FOOT MINIMUM, 6 FOOT DESIRABLE, HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM THE EDGE OF SHOULDER TO THE EDGE OF HANDHOLES, JUNCTION BOXES, AND SIGNAL POST FOUNDATIONS.

ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLAT, PRIOR TO ASSEMBLY.

ALL NEW FLASHER SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO FLASHER SIGNAL.

BILL OF MATERIALS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
85820200	FLASHER CONTROLLER, SPECIAL	EACH	1
87200400	SPAN WIRE	FOOT	112
87200500	TETHER WIRE	FOOT	112
87302245	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	46
88000105	FLASHING BEACON INSTALLATION	EACH	1
89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION, COMPLETE	EACH	1
X8050095	SERVICE INSTALLATION (SPECIAL)	EACH	1
X8750345	TRAFFIC SIGNAL WOOD POLE, 40 FT., CLASS 5	EACH	1
	SIGNAL HEAD, LED, 3 FACE, 1 SECTION, SPAN WIRE MOUNTED	EACH	1

MODEL: Signal Detail - Notes and Materials (Sheet)
FILE NAME: P:\projects\2024\1108\05 IL4 (CRD 10 1010 IDOT)CAD_Sheets\08761A\03-sht-bmaterials

Benchmark: BM-1: 1' ± north of south end of box culvert, Elev. 465.09

Existing Structure: The existing 5'-0" x 5'-0" reinforced concrete box culvert was built at an unknown date. It was later extended with short 48" pipe rins on each side. Existing structure is 119' out-to-out of headwalls. The existing culvert will be removed and replaced. Roadway will be closed and traffic detoured during construction. No salvage.

INDEX OF SHEETS

1. General Plan and Elevation
- 2.-3. Precast Concrete Box Culvert Apron End Section Details

GENERAL NOTES

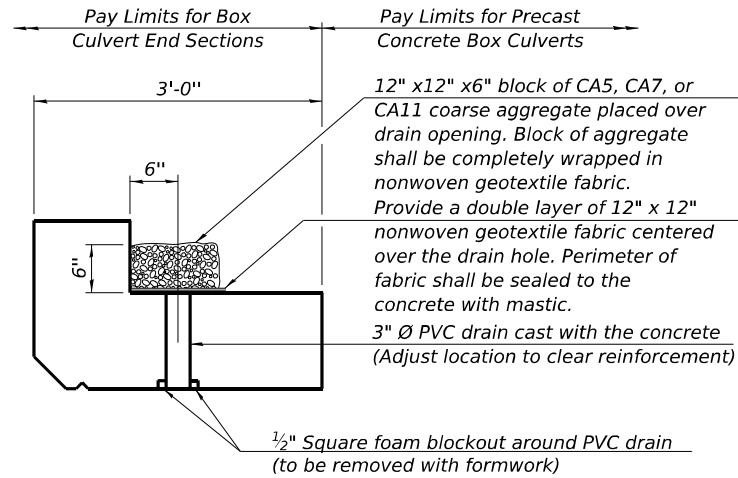
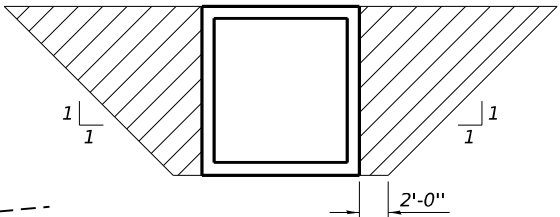
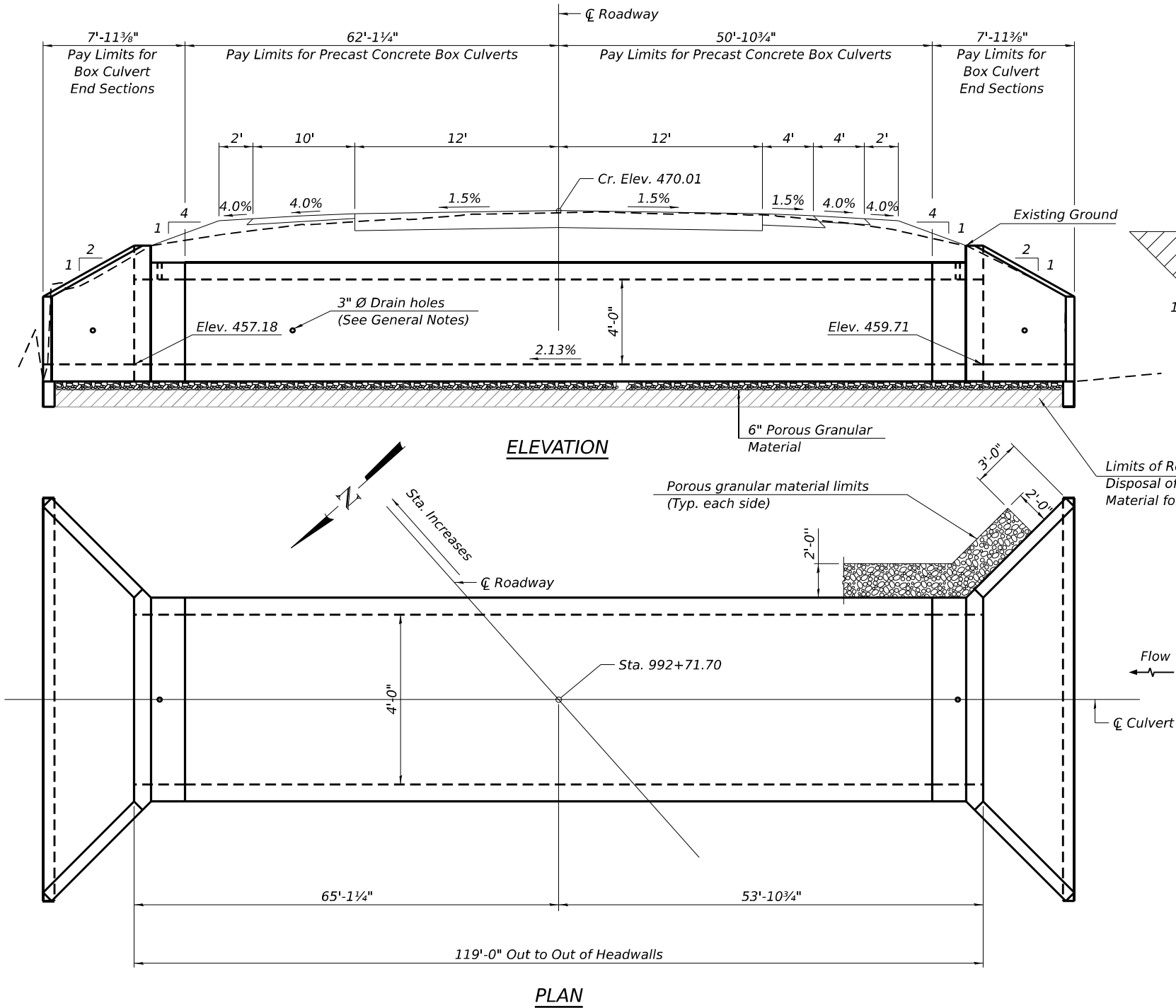
The design fill height for this box is 4 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment in the required excavation areas on the sides of the box culvert from the top of the box culvert to the bottom of the box culvert. This area of PGE is included in the Porous Granular Embankment pay item. The 6-inch thick layer of porous granular material required under the precast concrete box culvert, according to Section 540.06 of the standard specifications, shall also apply to the end sections. Cost of this porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field. The minimum Unconfined Compressive Strength of the layer below the removal limit shall be 1.0 tsf.



PROFILE GRADE

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications
Customary U.S. Units, 9th Edition

LOADING HL-93

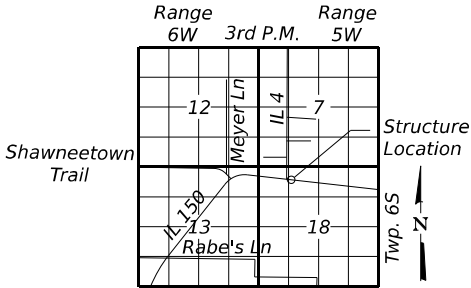
DESIGN STRESSES

PRECAST UNITS

f_c = 5,000 psi
f_y = 65,000 psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

UNIT	ITEM	UNIT	TOTAL
20700220	Porous Granular Embankment	Cu. Yd.	175
50100300	Removal of Existing Structures No. 1	Each	1
50200450	Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	49
54001001	Box Culvert End Sections, Culvert No. 1	Each	2
54010404	Precast Concrete Box Culverts, 4'x4'	Foot	119
Z0054517	Rock Fill - Foundation	Ton	87



GENERAL PLAN AND ELEVATION

IL RTE. 4/150

F.A.P. RTE. 682/861A SEC. 110,119NR-1

RANDOLPH COUNTY

STATION 994+71.70

SCB-GPE

5-15-2023



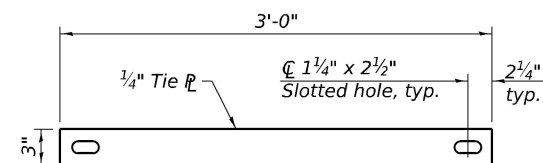
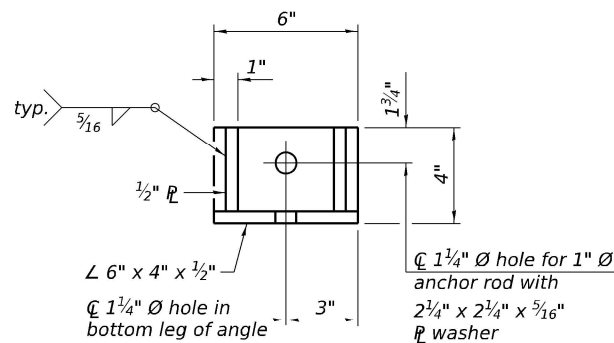
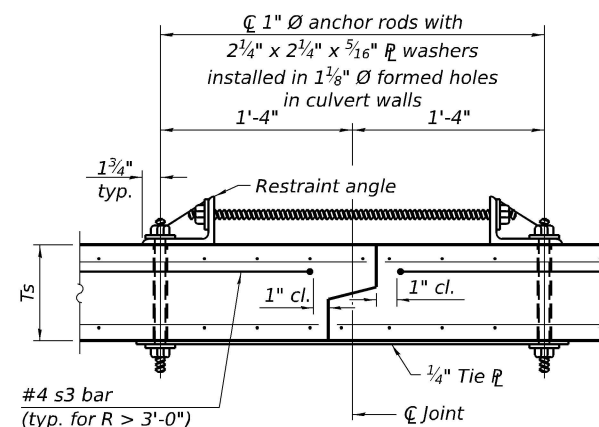
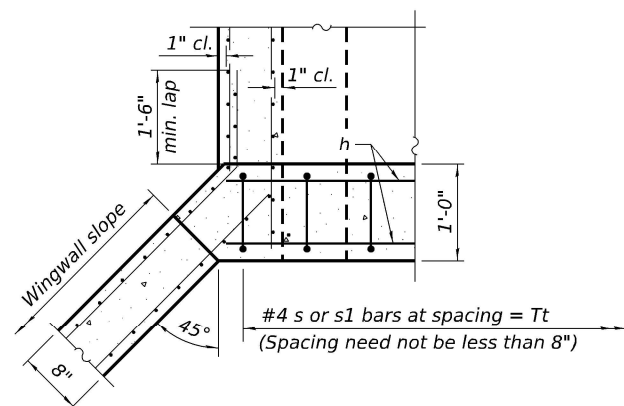
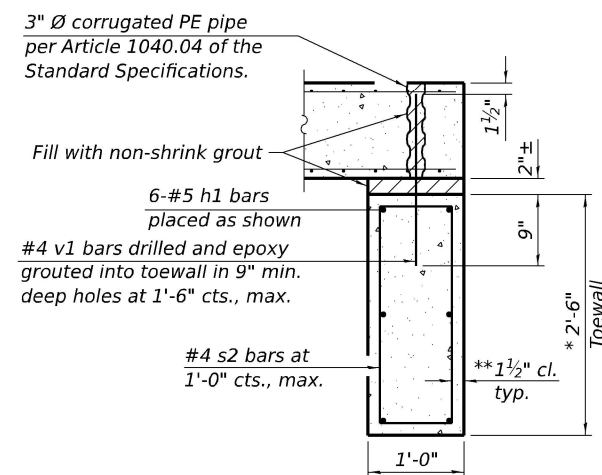
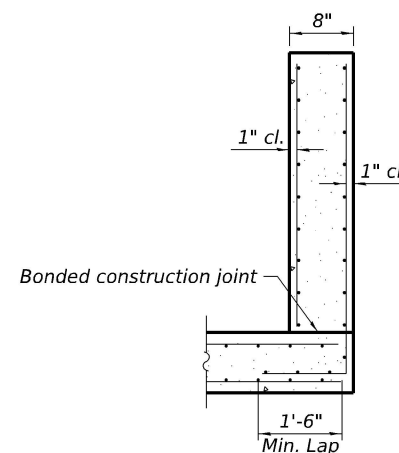
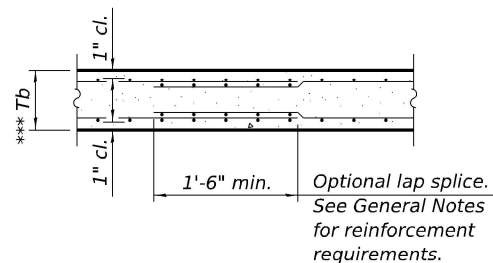
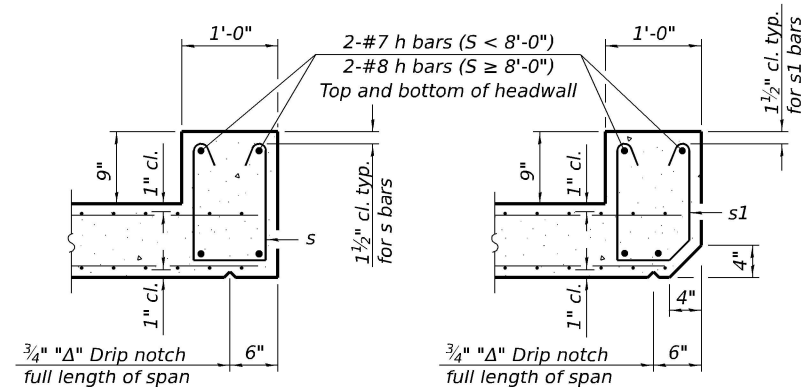
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DRAWN	-	REVISED	-	REVISED	-
CHECKED	-	REVISED	-	REVISED	-
DATE	-	REVISED	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STATION 992 + 71.70

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	32
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
ILLINOIS		FED. AID PROJECT		



- ### TOEWALL CONSTRUCTION SEQUENCE

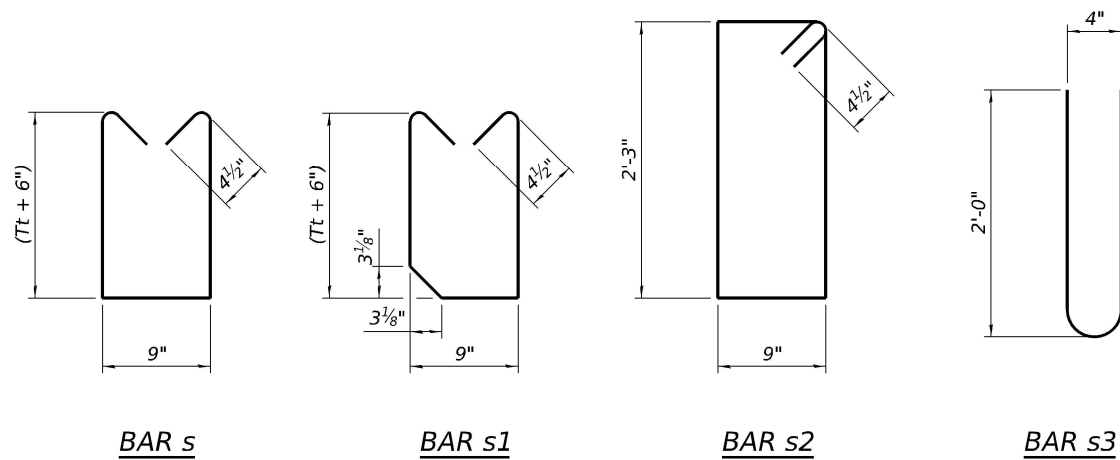
1. *Perform excavation and construct toewall.*
2. *Backfill accordingly and place bedding for precast box culvert end sections.*
3. *Set precast box culvert end section.*
4. *Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.*
5. *Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.*

** The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.*

**** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.**

Notes:

Notes:
1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2¼"x2¼"x⅝" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional ½ turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.





Illinois Department
of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 1

Date 3/7/24

ROUTE FAP 682/FAP 861A DESCRIPTION South of IL 150 LOGGED BY KEG

SECTION 110, 119NR-1 LOCATION 38.0135478°, -89.7000888°

COUNTY Randolph DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H	B L O W S	U C S Qu	M O I S T
BORING NO. B-1 Station 992+59.91 Offset 50.0 ft LT Ground Surface Elev. 454.02	ft	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
SILTY CLAY - Grayish Brown		2								
		2	1.3	22						
		1	P							
450.5										
SANDY CLAY - Gray, Very Soft	WH	<0.25	31							
	1	P								
448.0										
SANDY CLAY LOAM - Gray, Stiff	1	0.6	24							
	3	B								
LL (%) = 38, PL (%) = 22, PI (%) = 16										
	1									
	3	0.8	23							
	4	B								
443.0										
CLAY - Gray, Stiff	2									
SILTY CLAY LOAM TILL - Brown	3	0.6	19							
	4	B								
Becomes Very Stiff	4									
	6	2.4	17							
	7	B								
438.0										
CLAYEY SAND LOAM TILL - Brown, Fine Grained, Dense	8									
	8	-	18							
	7									
435.5										
SILTY CLAY LOAM - Grayish Brown, Very Soft	3									
	4	<0.25	27							
	5	P								

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, form 137 (Rev. 8-99)



Illinois Department
of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 1

Date 3/7/24

ROUTE FAP 682/FAP 861A DESCRIPTION On IL 150 LOGGED BY KEG

SECTION 110, 119NR-1 LOCATION 38.0137185°, -89.6999232°

COUNTY Randolph DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H	B L O W S	U C S Qu	M O I S T
BORING NO. B-2 Station 992+59.91 Offset 6.0 ft LT Ground Surface Elev. 469.80	ft	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
ASPHALT 8"						469.1				
SILTY CLAY - Brown, w/small sharp aggregate, Poor Recovery		3								
		4	3.3	13						
		4	P							
Becomes Brown and Gray, Poor Recovery		2								
		2	1.8	24						
		2	P							
Becomes Stiffer		1								
LL (%) = 31, PL (%) = 21, PI (%) = 10		1	0.7	24						
		2	B							
CLAY - Gray, Soft, Fat	WH									
	1	0.3	25							
	2	P								
Becomes Very Soft	WH									
	2	0.1	26							
	3	B								
GRAVELLY CLAY - Gray, Very Wet, Rock in Shoe, Poor Recovery	2									
	3	<0.25	27							
	5	P								
SILTY CLAY LOAM - Brownish Gray, Stiff	3									
	5	0.9	18							
	7	B								
	3									
	7	1.4	17							
	8	B								

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, form 137 (Rev. 8-99)



Illinois Department
of Transportation
Division of Highways

SOIL BORING LOG

Page 1 of 1

Date 3/11/24

ROUTE FAP 682/FAP 861A DESCRIPTION North of IL 150 LOGGED BY KEG

SECTION 110, 119NR-1 LOCATION 38.0138682°, -89.6998189°

COUNTY Randolph DRILLING METHOD HSA HAMMER TYPE Auto

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H	B L O W S	U C S Qu	M O I S T
BORING NO. B-3 Station 992+59.91 Offset 48.0 ft RT Ground Surface Elev. 460.23	ft	(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
CLAYEY SAND - Brown, Soft, Moist		1								
		1	-	23						
		1								
Gravel (%) = 1.56, Sand (%) = 36.28, Silt (%) = 44.89, Clay (%) = 17.27 Percent Finer than #200 = 62.16 Becomes Wet	WH									
	2	-	25							
	1									
454.2										
SANDY CLAY - Brown Stiff	2									
	3	1.4	21							
	4	B								
451.7										
SANDY CLAY TILL - Brown, w/Coal	2									
	3	1.1	24							
	2	B								
Becomes Silty, Soft	2									
	5	0.2	26							
	6	B								
Poor Recovery	2									
	1	2.0	20							
	1	P								
444.2										
SILTY CLAY - Brown and Gray	3									
	4	0.8	25							
	5	P								
441.7										
CLAYEY SILT - Brown and Gray	6									
	7	2.8	23							
	8	P								

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, form 137 (Rev. 8-99)

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PLOT DATE = 5/10/2024

DESIGNED -
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DATE -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

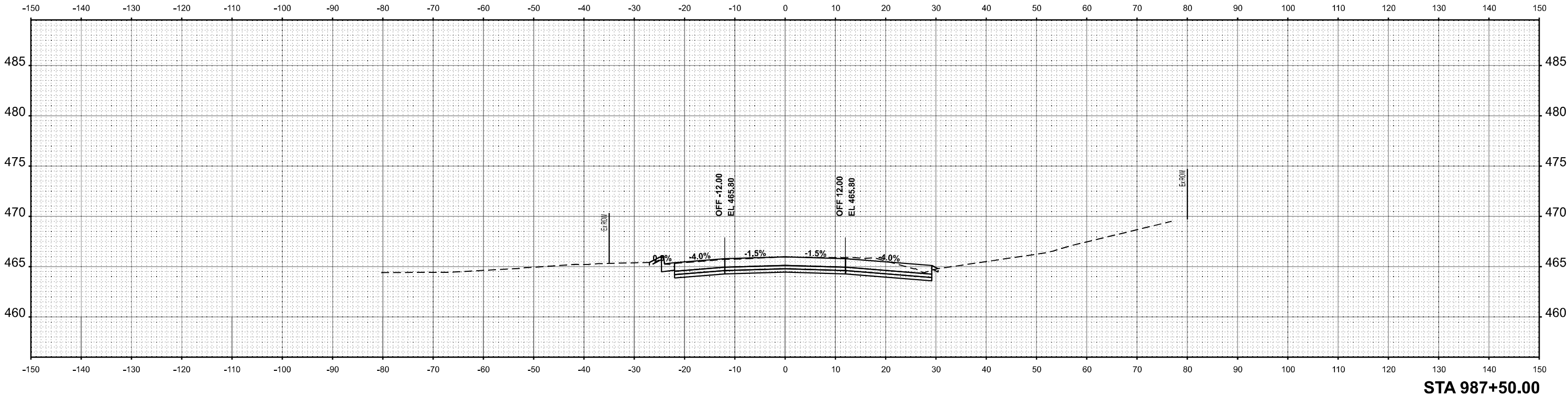
SOIL BORING LOGS
STATION 992 + 71.70

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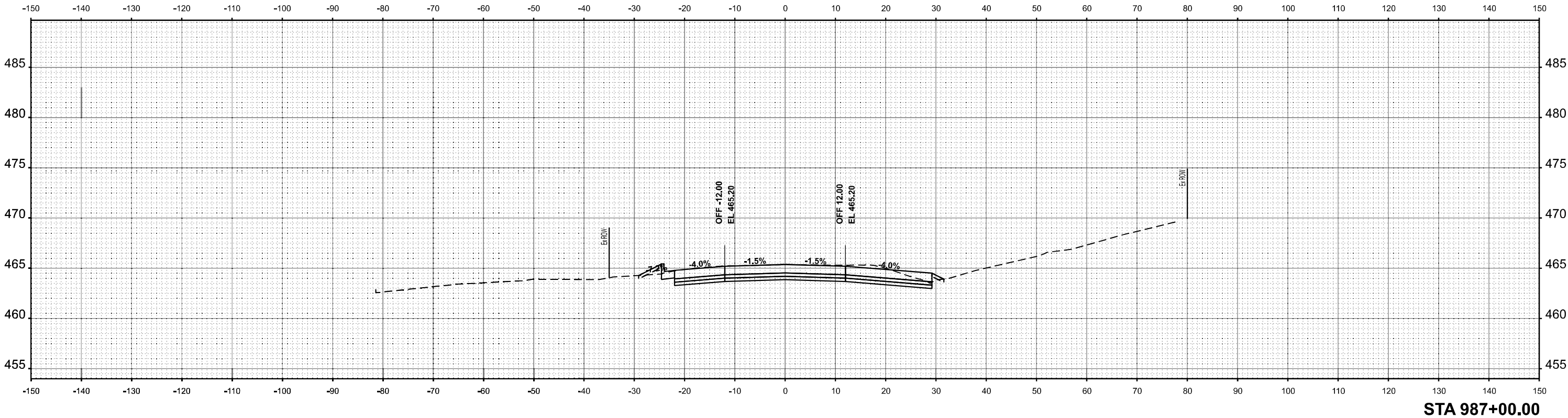
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*	110,119NR-1	RANDOLPH	70	35
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

TEMPORARY CROSS SECTIONS

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



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



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201 E. Main St., Suite 201
Bella Vista, Illinois 62801
618.233.2877 Phone
618.233.2877 Fax
www.kaskaskiaeng.com

ILLINOIS
Professional Engineering Group

USER NAME = jwarner
PLOT SCALE = 0.16666633" / ft.
PLOT DATE = 5/10/2024

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
TEMPORARY CROSS SECTIONS

SCALE: 1"=10'

SHEET 1

OF 13

SHEETS

STA.

TO STA.

F.A.P.
RTE.
*

SECTION
110,119NR-1
*F.A.P. 682/F.A.P. 861A

COUNTY
RANDOLPH

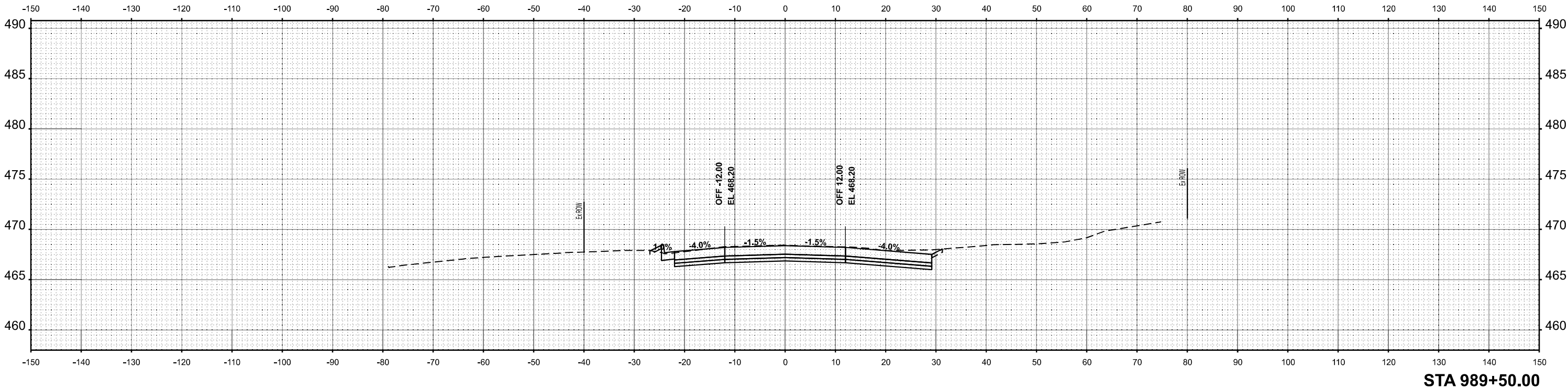
TOTAL
SHEETS
70

SHEET
NO.
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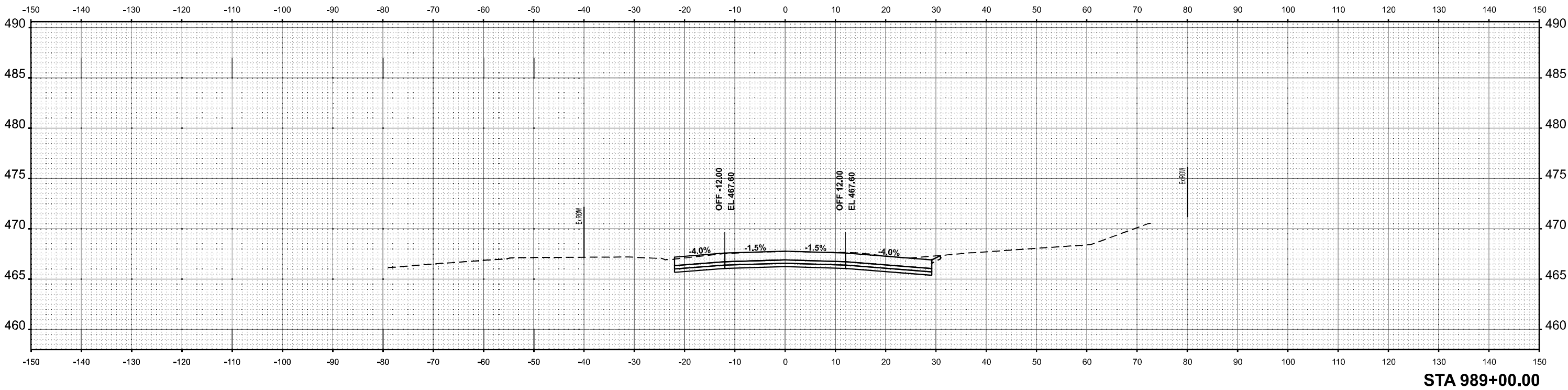
CONTRACT NO. 76M93
ILLINOIS FED. AID PROJECT

TEMPORARY CROSS SECTIONS

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		DRAWN	-	REVISED	-
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PLOT DATE	= 5/10/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

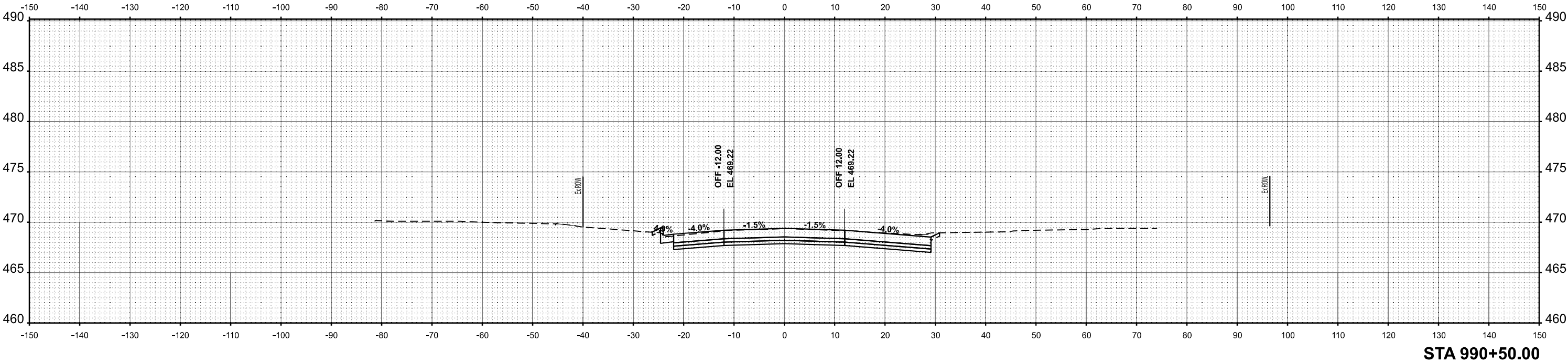
FAP 682/861A (IL 4150)
TEMPORARY CROSS SECTIONS

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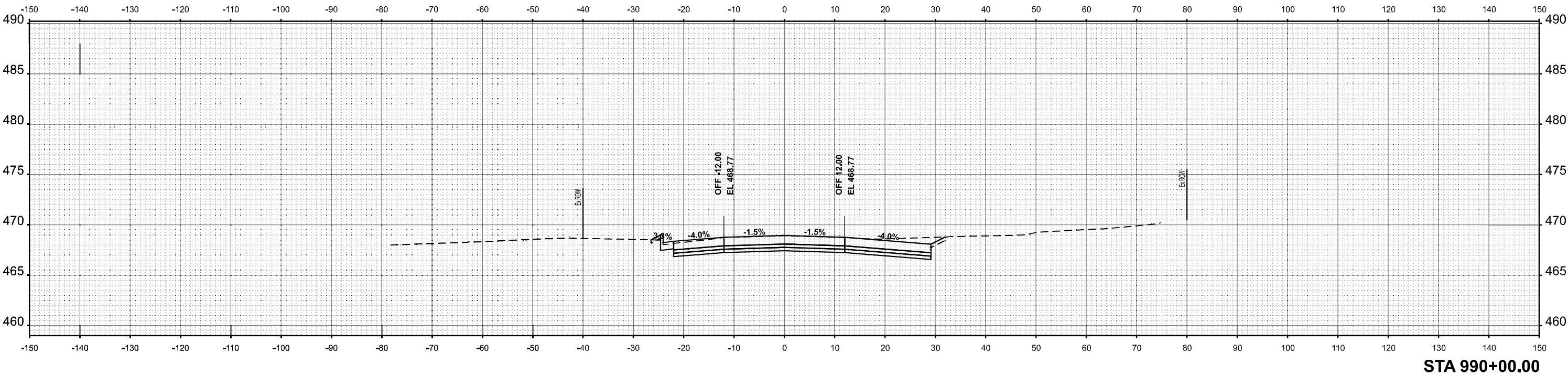
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*	110,119NR-1	RANDOLPH	70	38
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

TEMPORARY CROSS SECTIONS

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200 E. Main St., Suite 200
Bella Vista, Illinois 62809
618.233.2877 Phone
618.233.2877 Fax
www.kaskaskiaeng.com

Professional Engineering Firm
Professional Engineering Group

USER NAME = jwanner	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / ft.	CHECKED -	REVISED -
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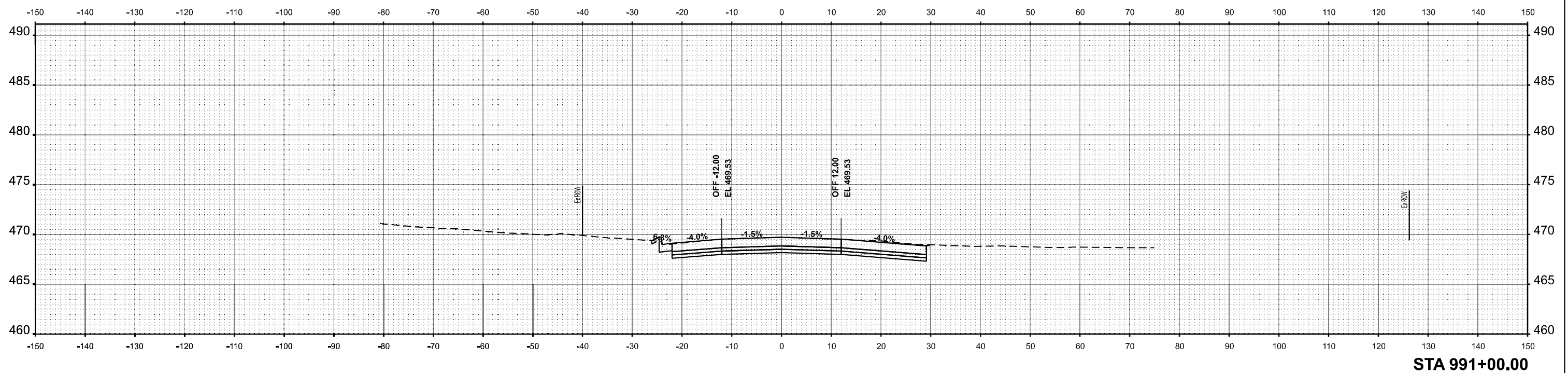
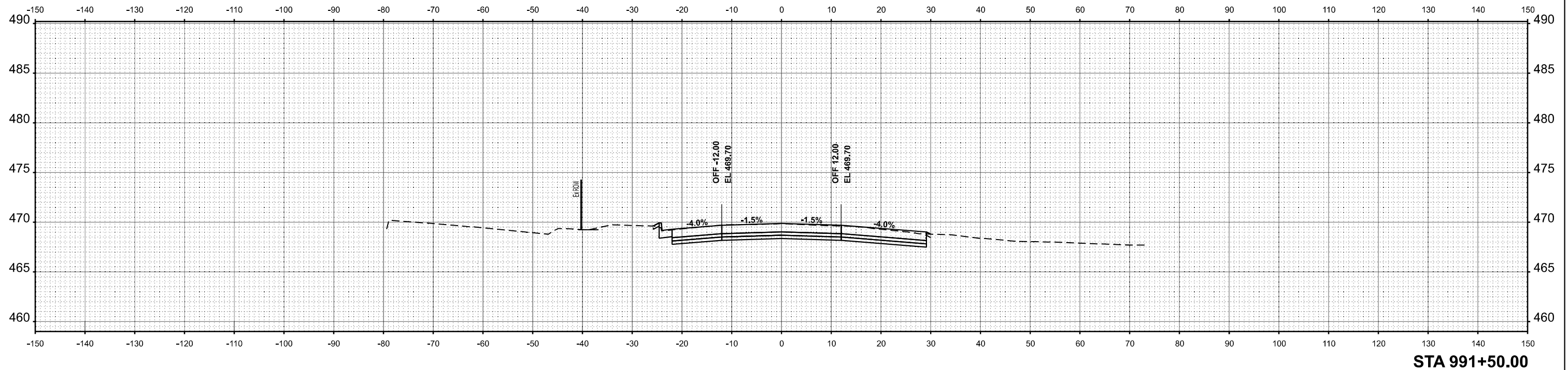
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150) TEMPORARY CROSS SECTIONS			
SCALE: 1"=10'	SHEET 4	OF 13 SHEETS	STA. TO STA.

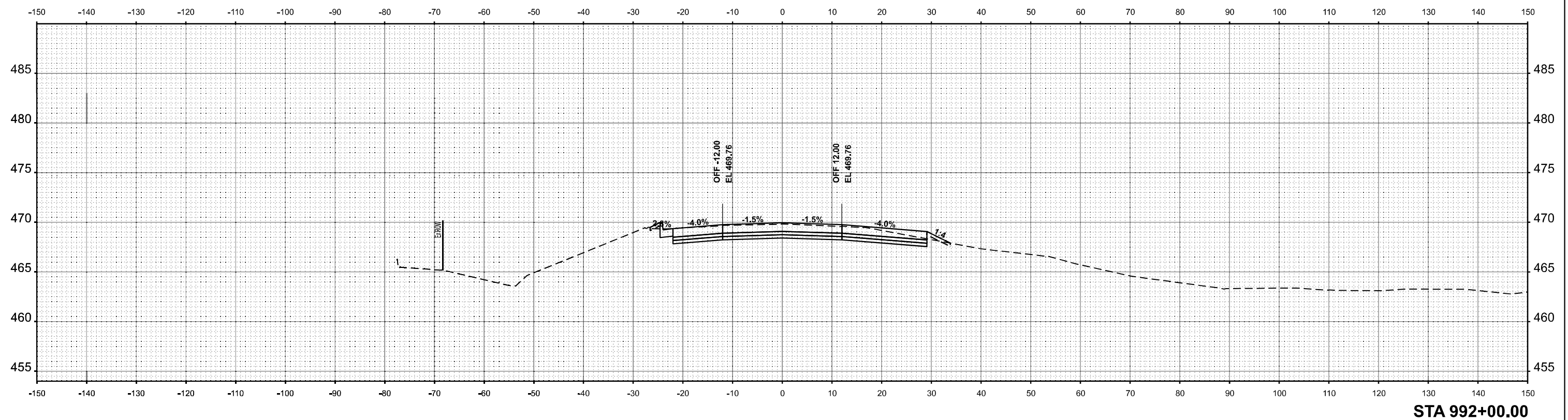
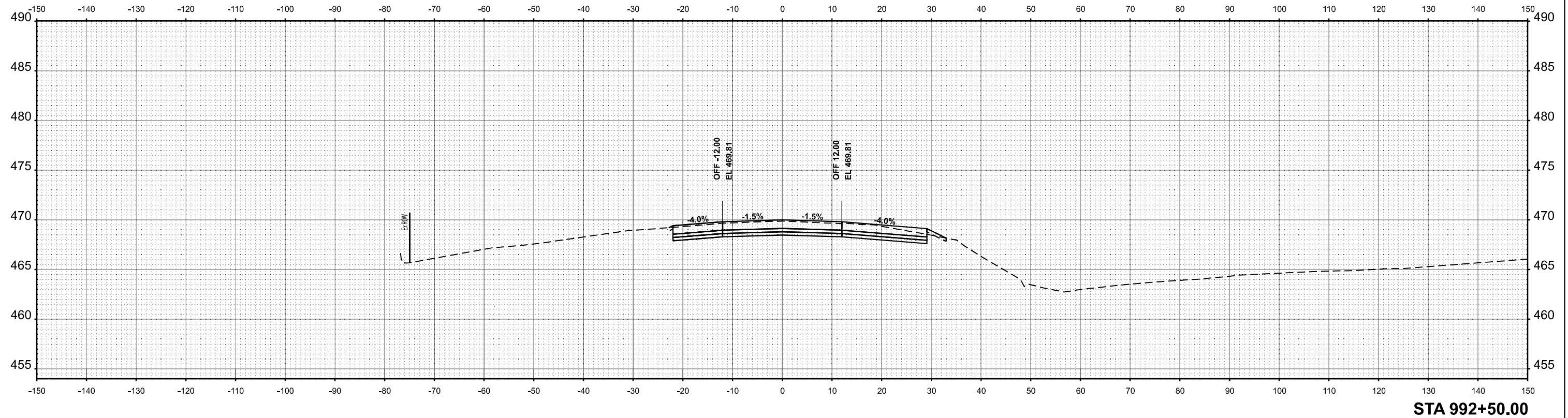
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	39
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

TEMPORARY CROSS SECTIONS

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

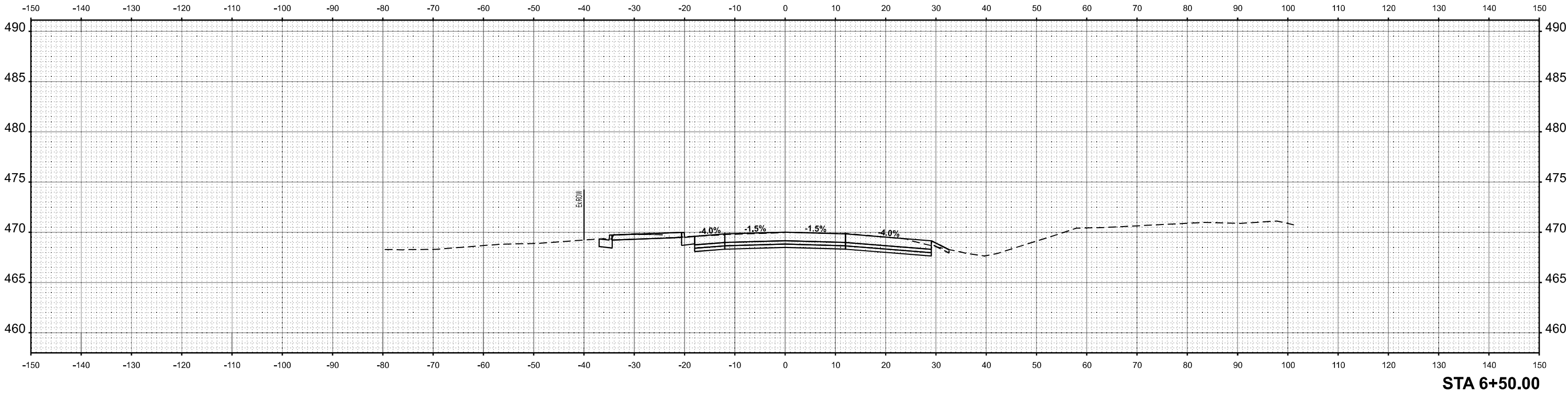


TEMPORARY CROSS SECTIONS

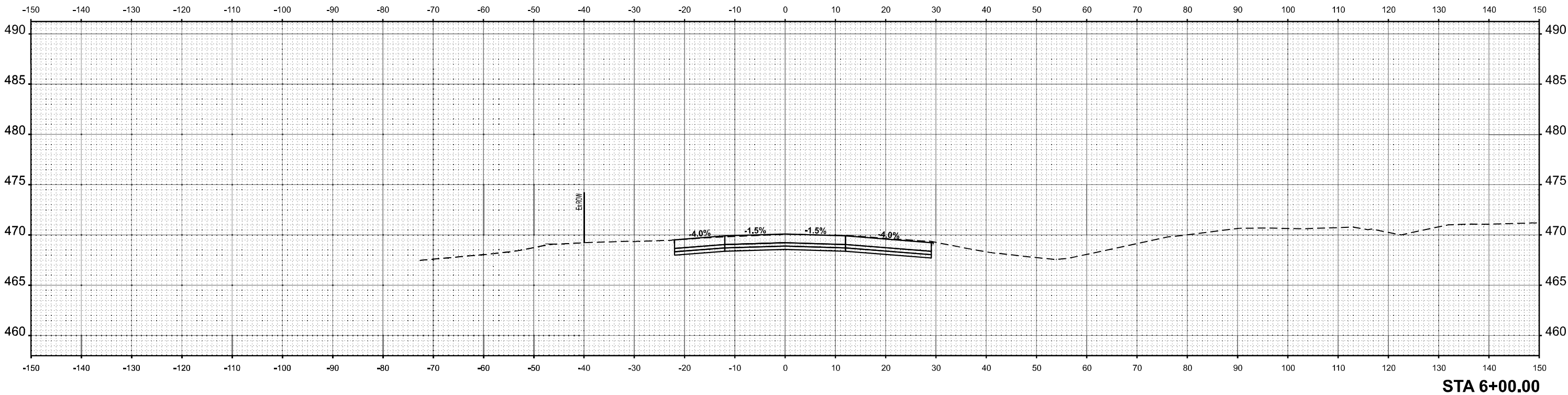


TEMPORARY CROSS SECTIONS

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



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



MODEL: IL4 - 150 - 10 Scale - 6+00.00 (Sheet)
FILE NAME: p:\kaskaskia\jw\m\g\p\w\1\Documents\DOT Projects\20+10825 IL4 CRD 10.010_DOT C&G_Sheet 007\MS-Sheet-6-10m.dgn



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618.233.2877 Phone
618.233.2877 Fax
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11/10/2024
20 3000000

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Professional Engineering Group

USER NAME = jwamer
DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISD -
REVISD -
REVISD -
REVISD -

PLOT SCALE = 0.16666633' / in.
PLOT DATE = 5/10/2024

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
TEMPORARY CROSS SECTIONS

SCALE: 1"=10'

SHEET 8

OF 13

SHEETS

STA.

TO STA.

F.A.P.
RTE.
*

SECTION
110,119NR-1

COUNTY
RANDOLPH

TOTAL
SHEETS
70

SHEET
NO.
43

*F.A.P. 682/F.A.P. 861A

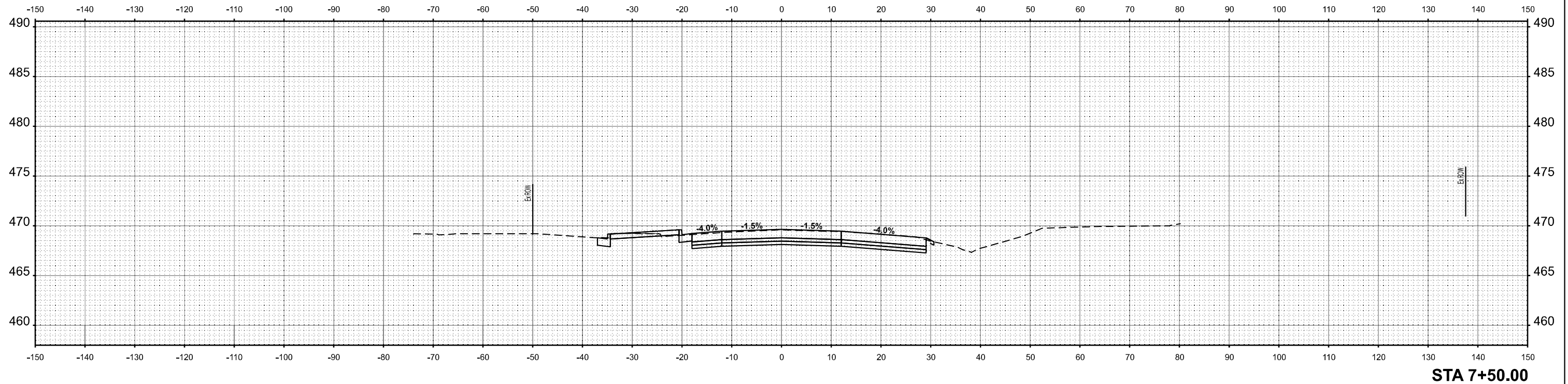
CONTRACT NO. 76M93

ILLINOIS

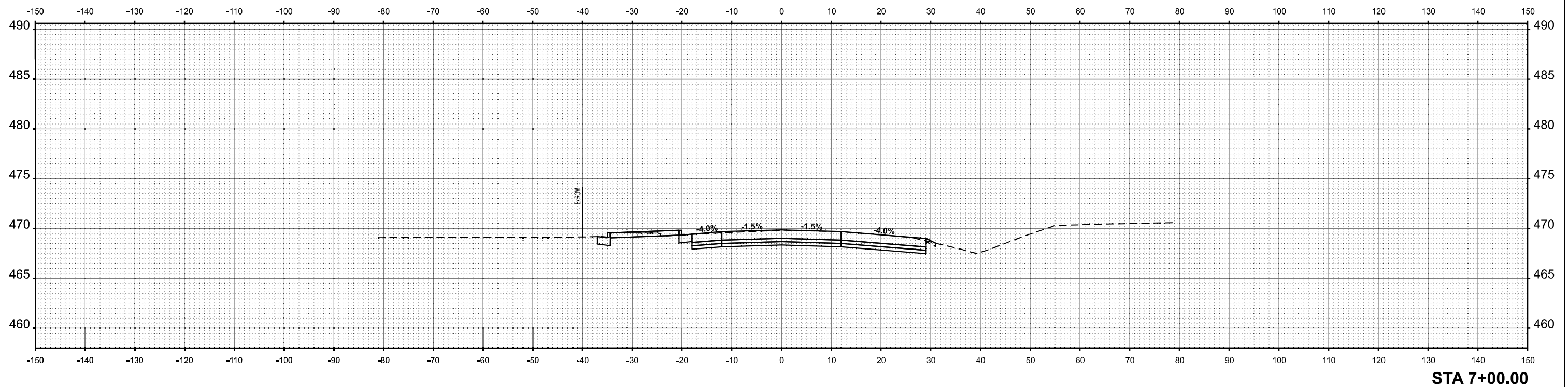
FED. AID PROJECT

TEMPORARY CROSS SECTIONS

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

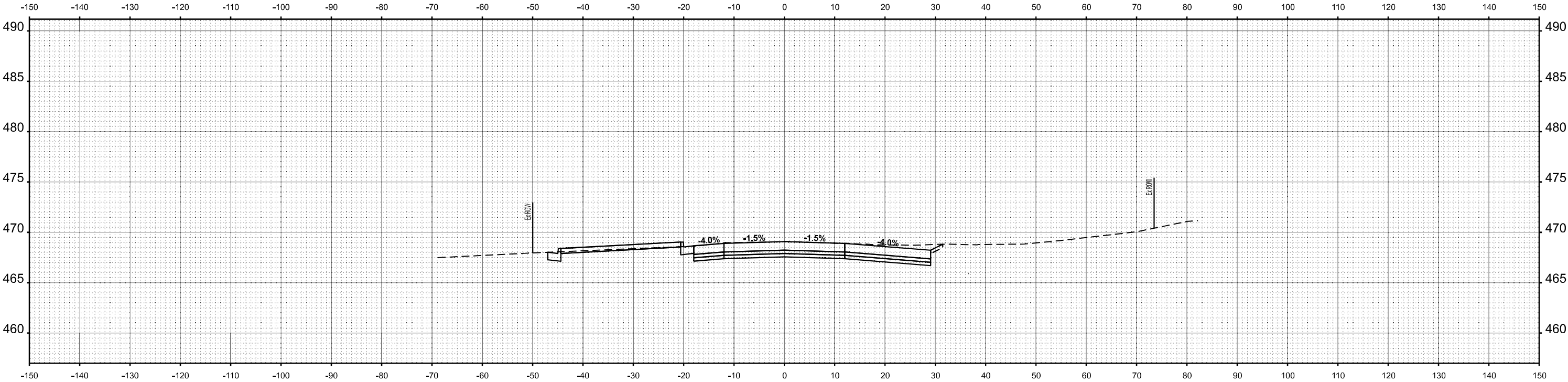


ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NOTE BOOK			
NO.			

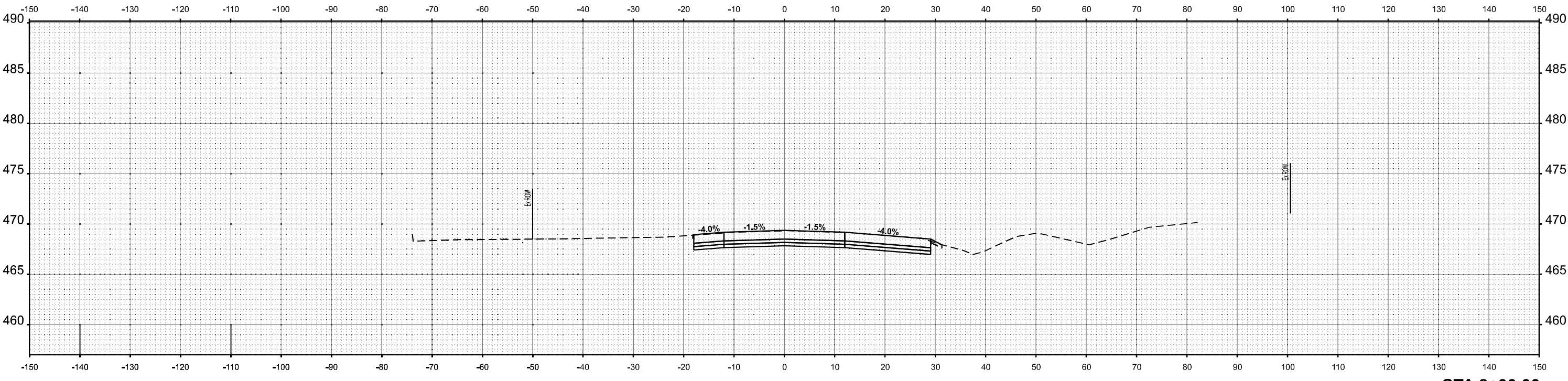


TEMPORARY CROSS SECTIONS

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



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



MODEL: IL4 - 150 - 10 Scale - 8+00.00 (Sheet)
FILE NAME: p:\workspace\jerry.com\design\DOT Projects\2021\0825 IL4 CRD 10.010 DOT C&G Sheets\DOT\MS-2021-0825-01.mxd



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USER NAME = jwarner	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 5/10/2024	DATE -	REVISED -

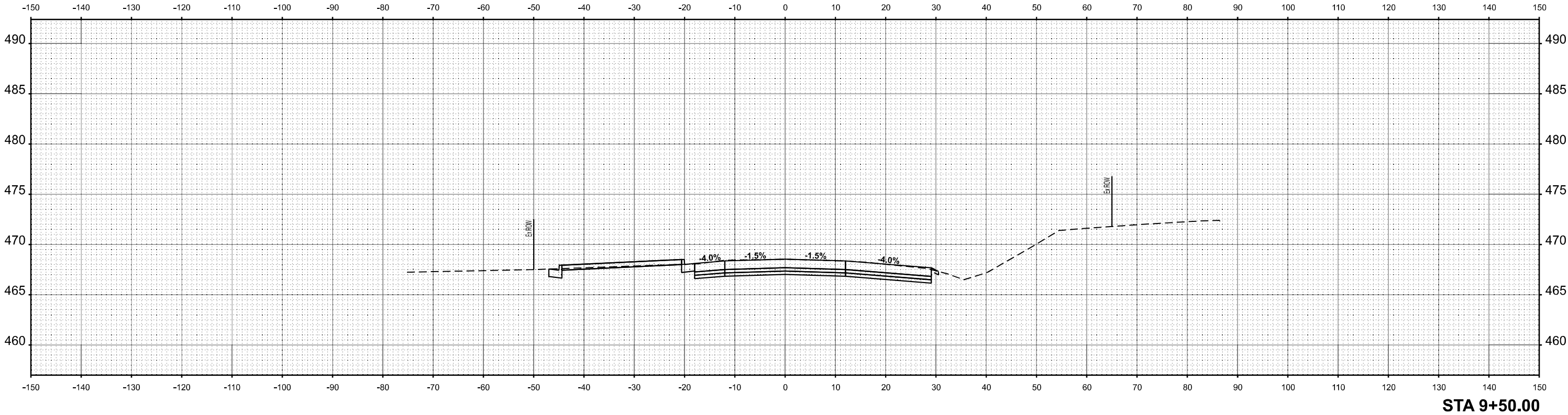
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150) TEMPORARY CROSS SECTIONS			
SCALE: 1"=10'	SHEET 10	OF 13 SHEETS	STA. TO STA.

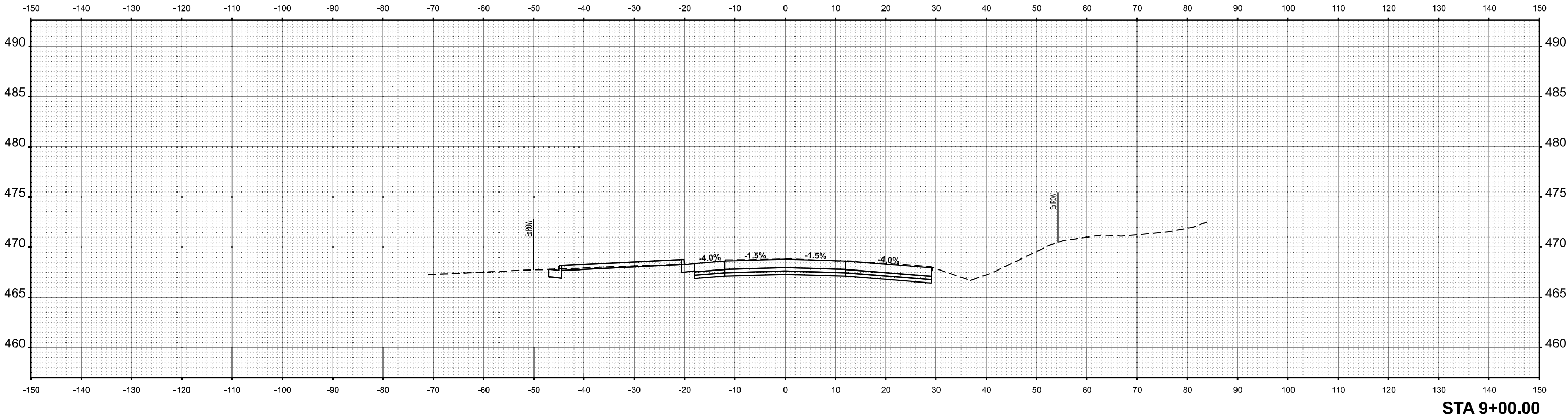
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	45
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

TEMPORARY CROSS SECTIONS

FINAL SURVEY NO.	SURVEYED PLOTTED NOTE BOOK	BY	DATE



ORIGINAL SURVEY NO.	SURVEYED PLOTTED NOTE BOOK	BY	DATE



MODEL: IL4-150 - 10 Scale - 9+00.00 (Sheet)
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Bella Vista, Illinois 62801
618.233.2877 Phone
618.233.2877 Fax
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11/10/2021
20-080000

USER NAME	= jwamer	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / ft.	CHECKED	-	REVISED	-
PLOT DATE	= 5/10/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

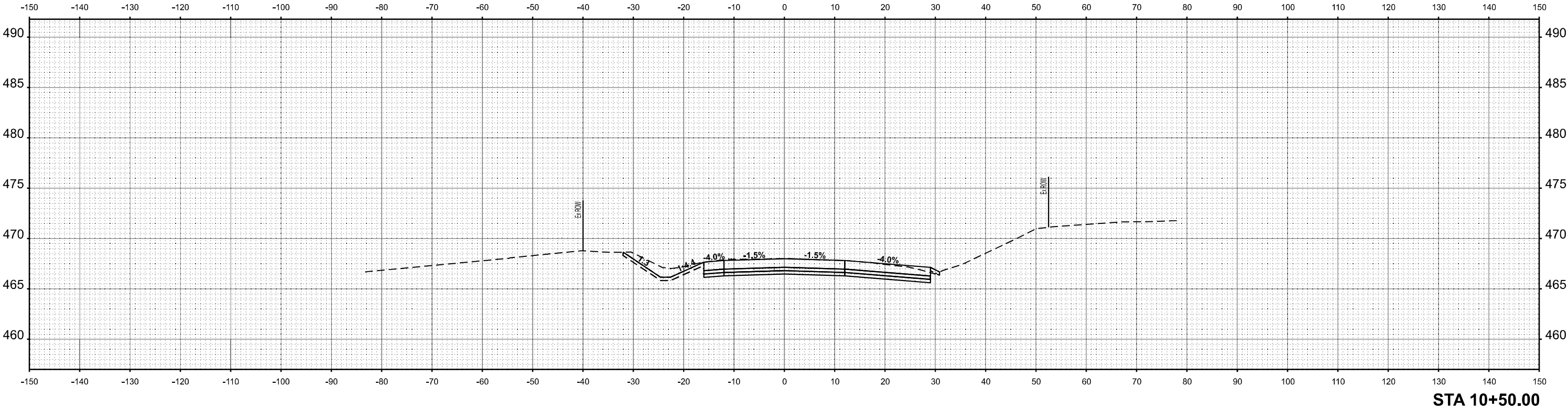
FAP 682/861A (IL 4150)
TEMPORARY CROSS SECTIONS

SCALE: 1"=10' SHEET 11 OF 13 SHEETS STA. TO STA.

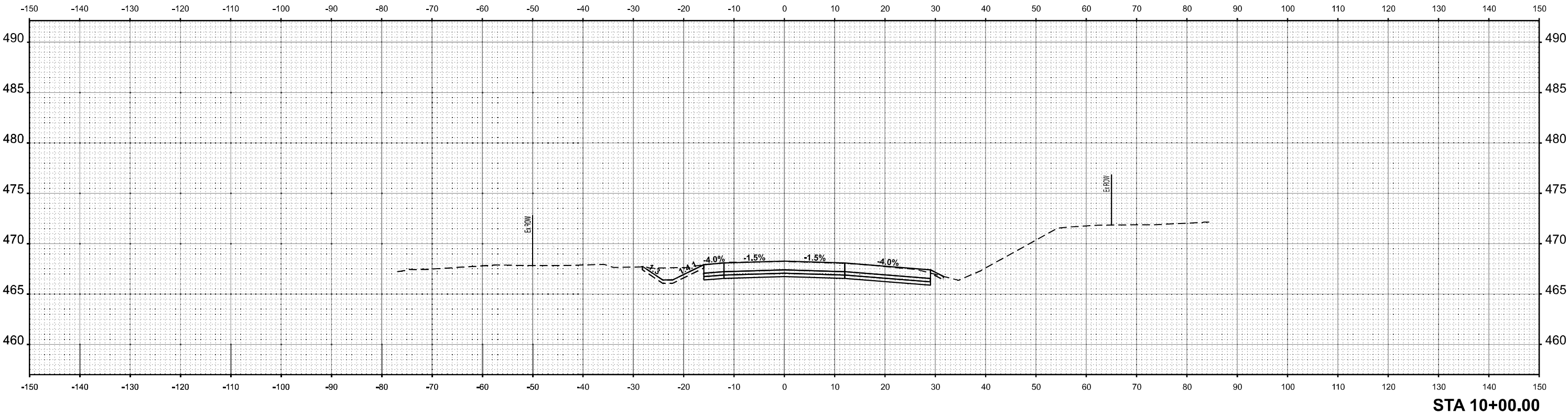
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	46
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

TEMPORARY CROSS SECTIONS

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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FILE NAME: p:\workspace\jerry.com\design\dot\Documents\DOT Project 20-110805 IL-4 CRD 10.010 DOT CAG Sheets DOT\MS-10x0.007-10m.dgn



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618.233.2877 Phone
618.233.2877 Fax
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Professional Engineering Group
REG. NO. 0011
EXP. 08/08/20

USER NAME = jwarner
DESIGNED -
DRAWN -
CHECKED -
DATE - 5/10/2024

DESIGNED -
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DATE -

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DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
TEMPORARY CROSS SECTIONS

SCALE: 1"=10'

SHEET 12

OF 13

SHEETS

STA.

TO STA.

F.A.P.
RTE.
*

SECTION
110,119NR-1
*F.A.P. 682/F.A.P. 861A

COUNTY
RANDOLPH
CONTRACT NO. 76M93

TOTAL
SHEETS
70

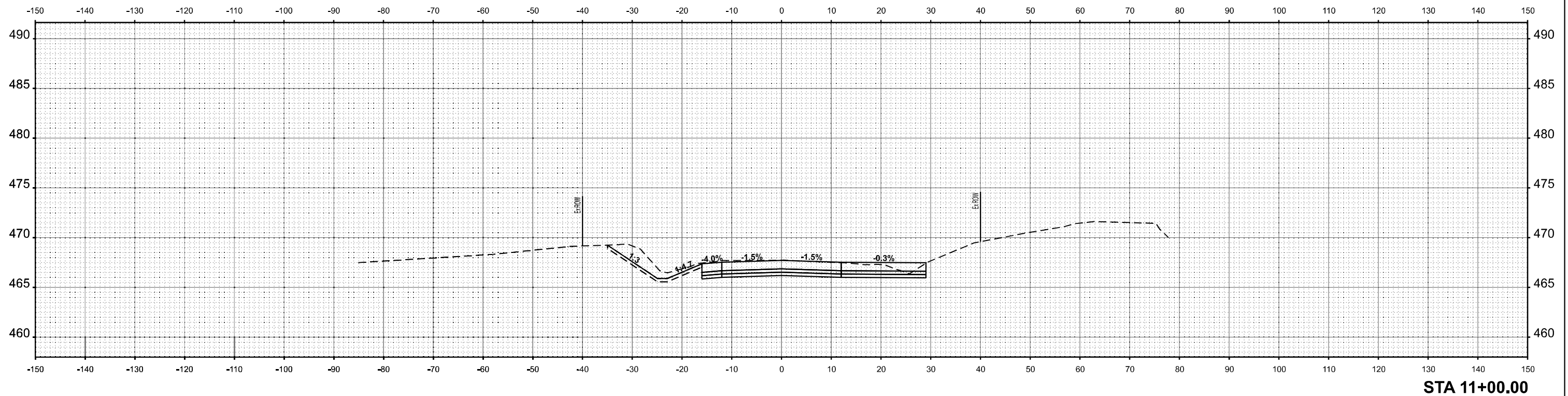
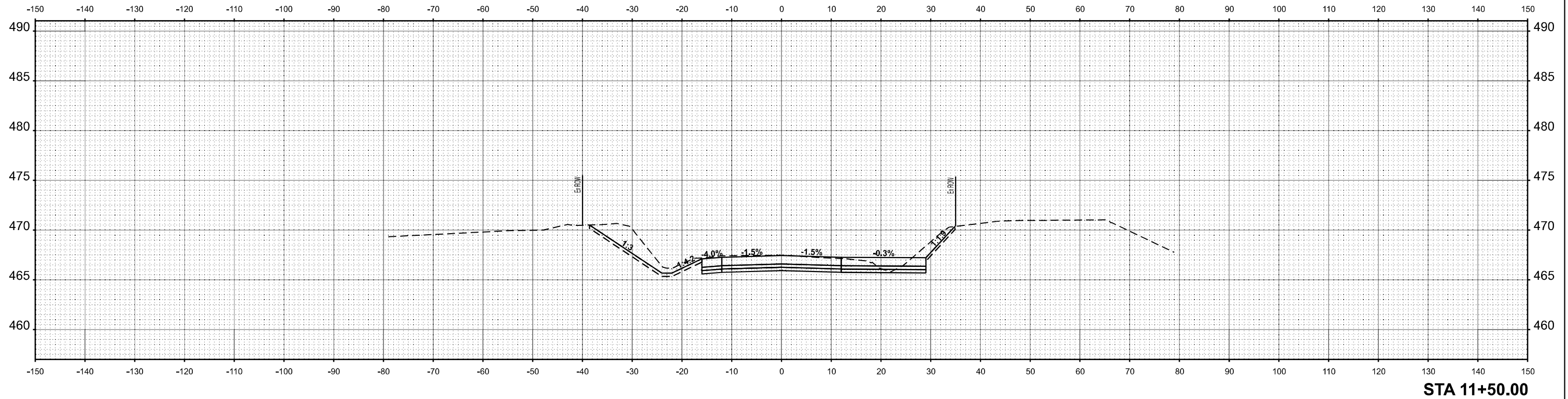
SHEET
NO.
47

ILLINOIS

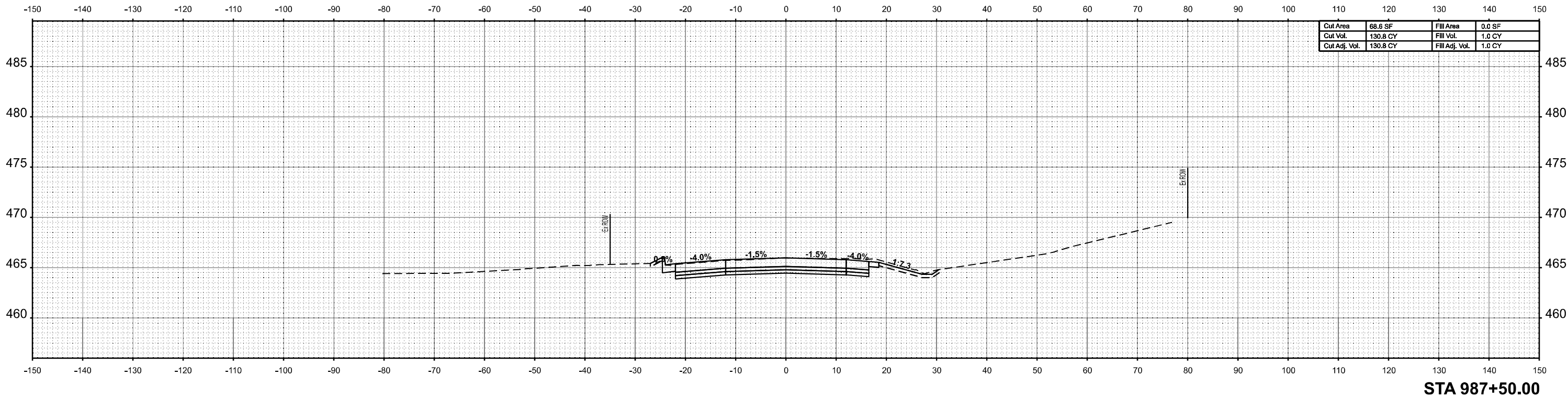
FED. AID PROJECT

TEMPORARY CROSS SECTIONS

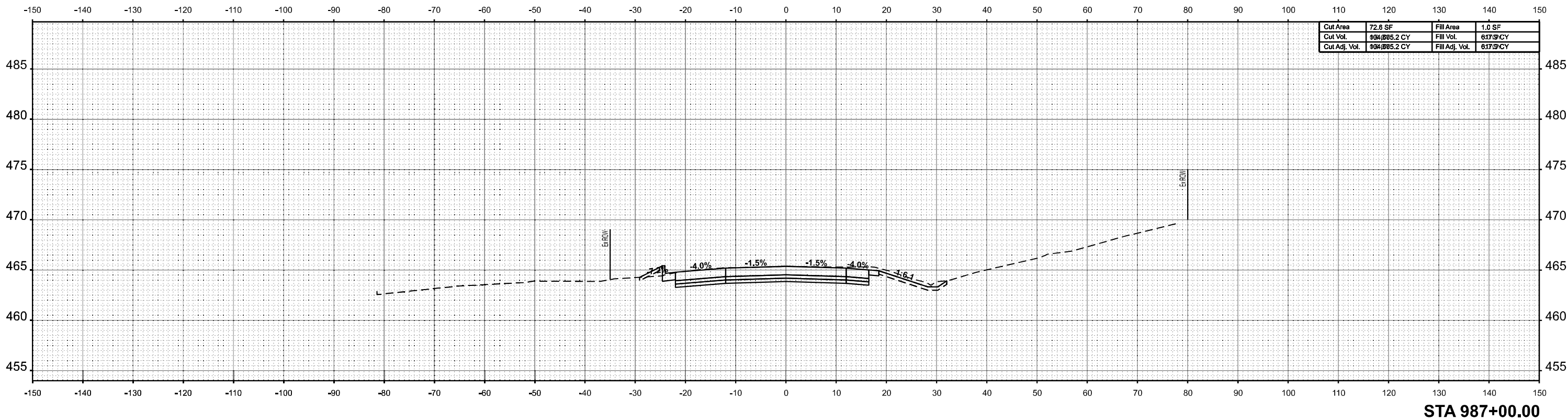
FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED _____ TEMPLATE _____ AREAS _____ AREAS CHECKED _____		
NOTE BOOK			
NO			



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



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



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FILE NAME: p:\workspace\jwerner\682861A\DOT\Documents\DOT Project\2024\0825 IL4 CRD 10.0\DOT\CAO_Sheets\DOT\MS-Sheet1.dgn



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Bellaire, Texas 77401
636.233.8877 Phone
636.233.8877 Fax
www.kaskaskiaeng.com

10/10/2024
20 080606

USER NAME	= jwerner	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 5/10/2024	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 682/861A (IL 4150)
CROSS SECTIONS**

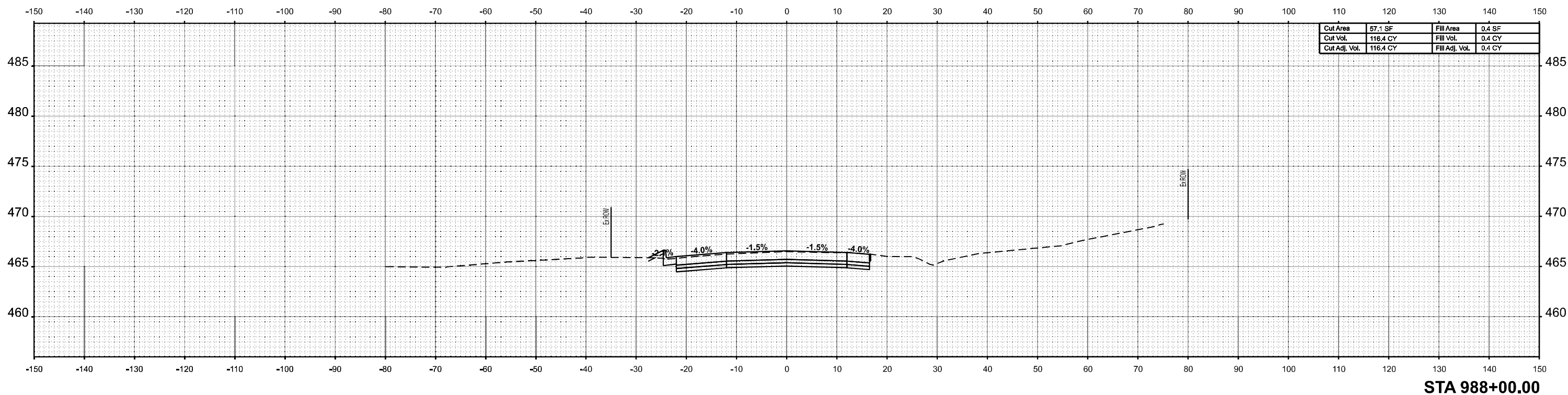
SCALE: 1"=10' SHEET 1 OF 22 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	49
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

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

MODEL: IL4 - 150 - 10 Scale - 988÷00.00 R2 [Sheet]

MODEL: IL4 - 150 - 10 Scale - 988-00.00 R2 (Sheet)	NO.	AREAS CHECKED
FILE NAME: pwz\kep-pw.bentley.com\kep-qpw-01\Documents\DOT Projects\20-108.05 IL4 ORD 10.10\DOT\CAD_Sheets\DOT87M93-dht-wsec (working).dgn		



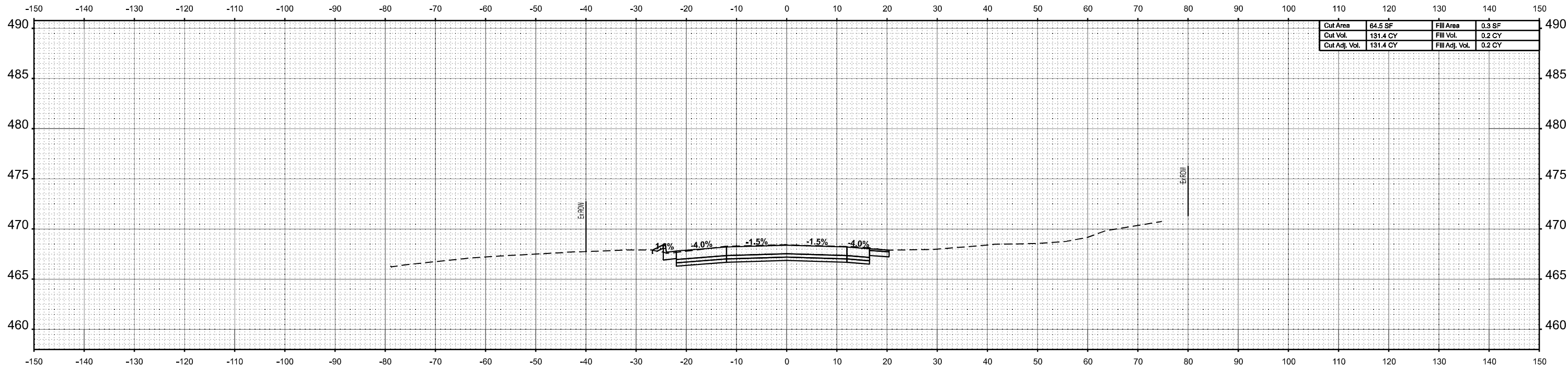
 Kaskaskia Engineering Group, LLC PROFESSIONAL ENGINEERING 200 E. Main St., Suite 300 Rockford, Illinois 61102 815.399.7777 ext. 400 815.399.7777 ext. 400 www.kaskaskiaeng.com LICENSE NO. 162-001191 20-0000000	USER NAME = jwamer DESIGNED - DRAWN - CHECKED - PLOT DATE = 5/10/2024	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				FAP 682/861A (IL 4150) CROSS SECTIONS				F.A.P. RTE. = SECTION = 110,119NR-1 COUNTY = RANDOLPH TOTAL SHEETS = 70 SHEET NO. = 50
	PLOT SCALE = 0.16666633' / in. PLOT DATE = 5/10/2024	REVISED - REVISED -									SCALE: 1"=10' SHEET 2 OF 22 SHEETS STA. TO STA.
								ILLINOIS FED. AID PROJECT			

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

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

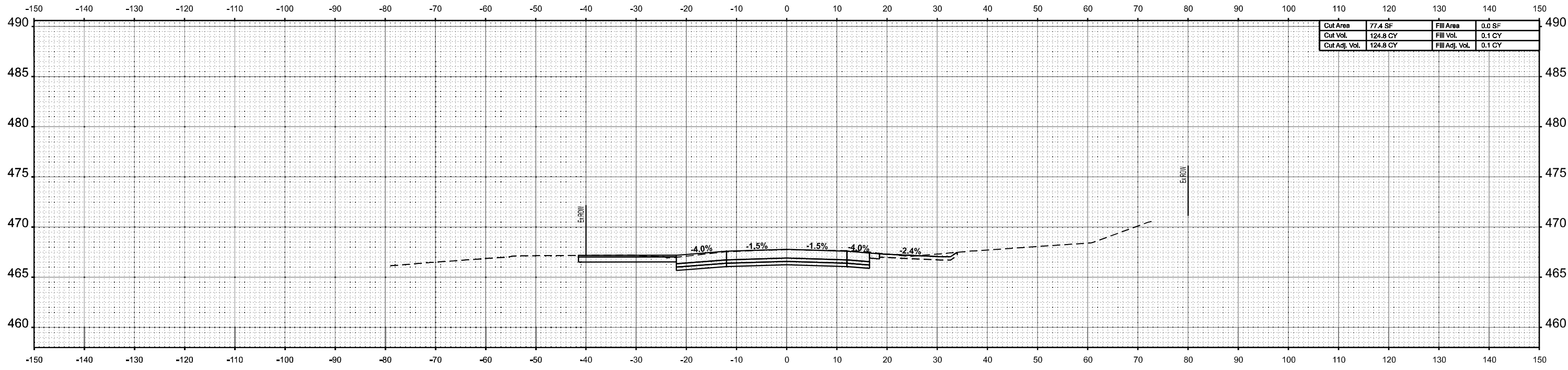
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FILE NAME: p:\workspace\lantern\cadd\paw\Documents\DOT Projects\2024\10825 IL-1 CRD 10.010 DOT C&G Sheets\DOT\MS-Sheet3 (Working).dgn



Cut Area	64.5 SF	Fill Area	0.3 SF
Cut Vol.	131.4 CY	Fill Vol.	0.2 CY
Cut Adj. Vol.	131.4 CY	Fill Adj. Vol.	0.2 CY

STA 989+50.00



Cut Area	77.4 SF	Fill Area	0.0 SF
Cut Vol.	124.8 CY	Fill Vol.	0.1 CY
Cut Adj. Vol.	124.8 CY	Fill Adj. Vol.	0.1 CY

STA 989+00.00



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Bella Vista, Illinois 62801
618.233.2877 Phone
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USER NAME	= jwarner
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DRAWN	-
CHECKED	-
DATE	-

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
CROSS SECTIONS

SCALE: 1"=10'

SHEET 3

OF 22

SHEETS

STA.

TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	51
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		

ILLINOIS

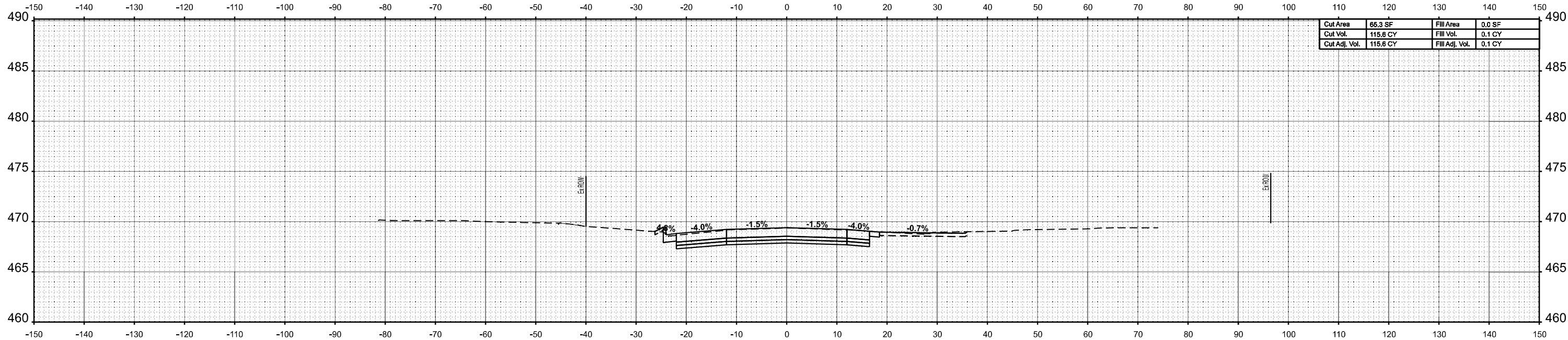
FED. AID PROJECT

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

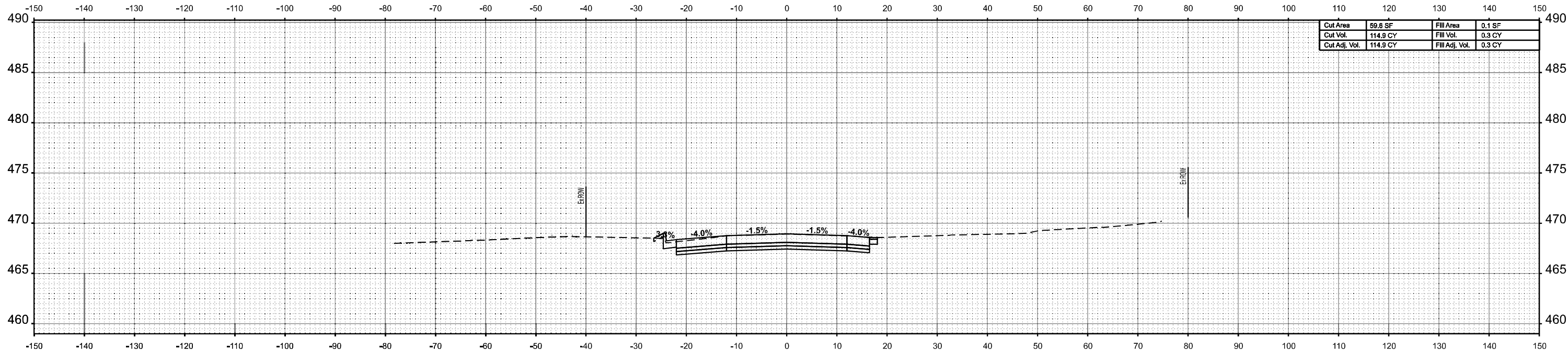
ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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Cut Area	65.3 SF	Fill Area	0.0 SF
Cut Vol.	115.6 CY	Fill Vol.	0.1 CY
Cut Adj. Vol.	115.6 CY	Fill Adj. Vol.	0.1 CY



Cut Area	59.6 SF	Fill Area	0.1 SF
Cut Vol.	114.9 CY	Fill Vol.	0.3 CY
Cut Adj. Vol.	114.9 CY	Fill Adj. Vol.	0.3 CY



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Bella Vista, Illinois 62809
618.233.2877 Phone
618.233.2877 Fax
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Professional Engineering Group
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USER NAME = jwarner
DESIGNED -
DRAWN -
CHECKED -
DATE -
PLOT SCALE = 0.16666633" / ft.
PLOT DATE = 5/10/2024

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
CROSS SECTIONS

SCALE: 1"=10'

SHEET 4

OF 22

SHEETS

STA.

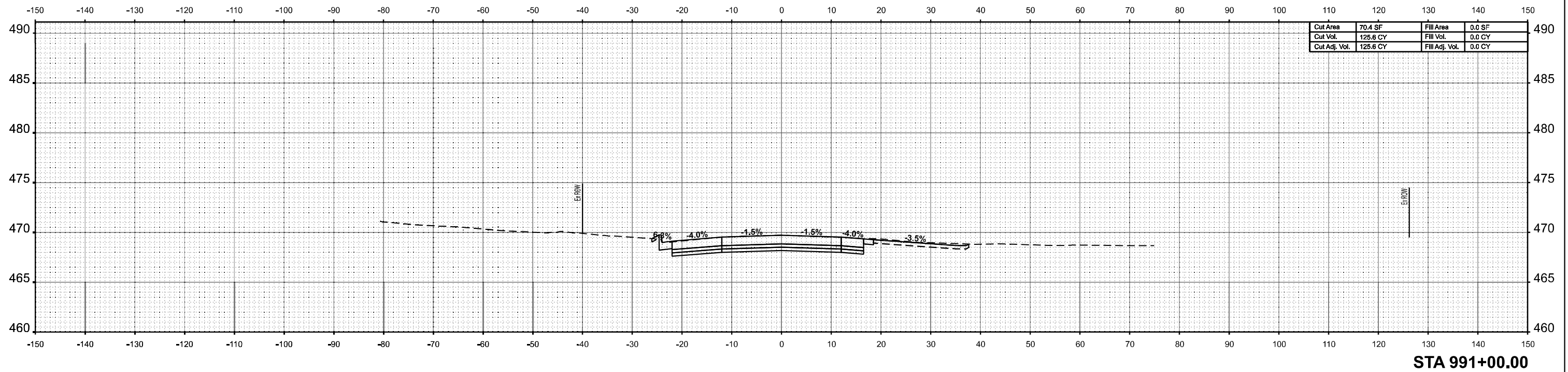
TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	52
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

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

MODEL: IL4 - 150 - 10 Scale - 991-00.00 R2 (Sheet)

NO.	AREAS CHECKED



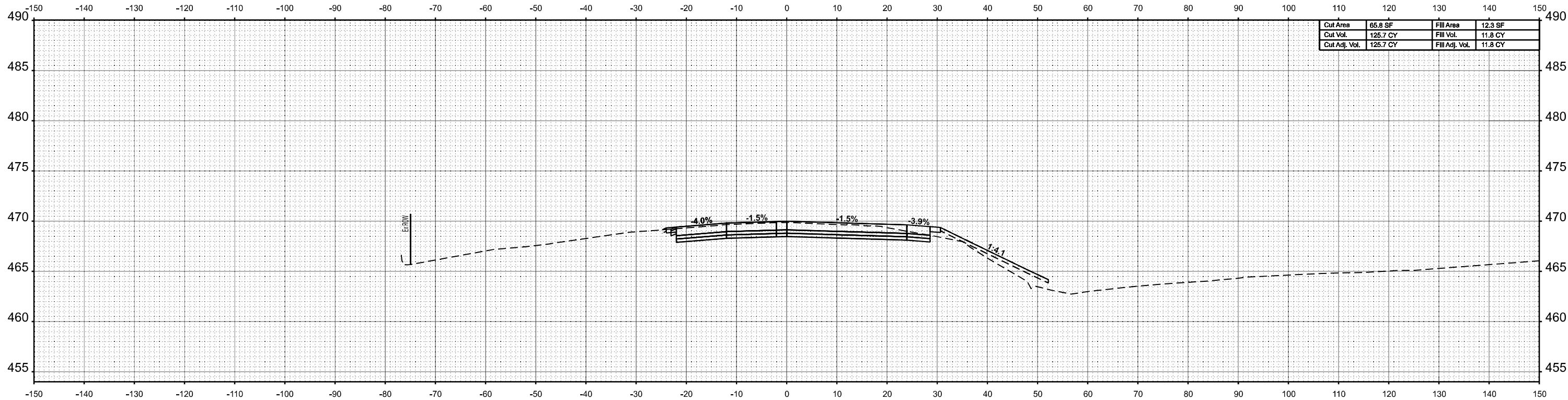
 Kaskaskia Engineering Group, LLC PROFESSIONAL ENGINEERING Illinois Professional Engineer Firm Professional Engineering Group	200 E. Main St., Suite 300 Rockville, Illinois 62201 618.233.8877 Phone 618.233.8877 Fax www.kaskaskiaeng.com	USER NAME = jwarner DESIGNED - DRAWN - CHECKED - PLOT DATE = 5/10/2024	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				FAP 682/861A (IL 4150) CROSS SECTIONS				F.A.P. RTE. *	SECTION 110,119NR-1	COUNTY RANDOLPH	TOTAL SHEETS 70	SHEET NO. 53
								SCALE: 1"=10' SHEET 5 OF 22 SHEETS STA. TO STA.				"F.A.P. 682/F.A.P. 861A ILLINOIS FED. AID PROJECT CONTRACT NO. 76M93				
	LICENSE NO. 00000000 EXPIRATION DATE 12/31/2024															

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

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

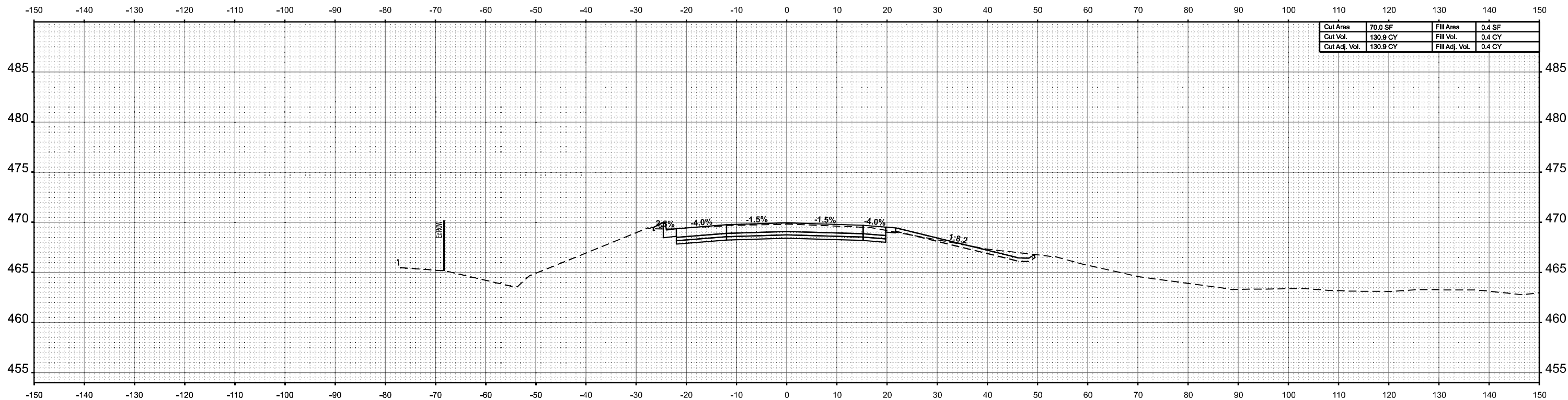
MODEL: IL4-150 - 10 Scale - 692+00.00 R2 Sheet

FILE NAME: p:\workspace\lantern\com\design\work\Documents\DOT Projects\20+108.05 IL-4 CRD 10.010 DOT C&G Sheets\DOT\MS-Sheet-6 (working).dgn



Cut Area	65.8 SF	Fill Area	12.3 SF
Cut Vol.	125.7 CY	Fill Vol.	11.8 CY
Cut Adj. Vol.	125.7 CY	Fill Adj. Vol.	11.8 CY

STA 992+50.00



Cut Area	70.0 SF	Fill Area	0.4 SF
Cut Vol.	130.9 CY	Fill Vol.	0.4 CY
Cut Adj. Vol.	130.9 CY	Fill Adj. Vol.	0.4 CY

STA 992+00.00



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Bella Vista, Illinois 62809
618.233.2877 Phone
618.233.2877 Fax
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10/10/2024
20-088666

USER NAME = jwarner	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 5/10/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
CROSS SECTIONS

SCALE: 1"=10' SHEET 6 OF 22 SHEETS STA. TO STA.

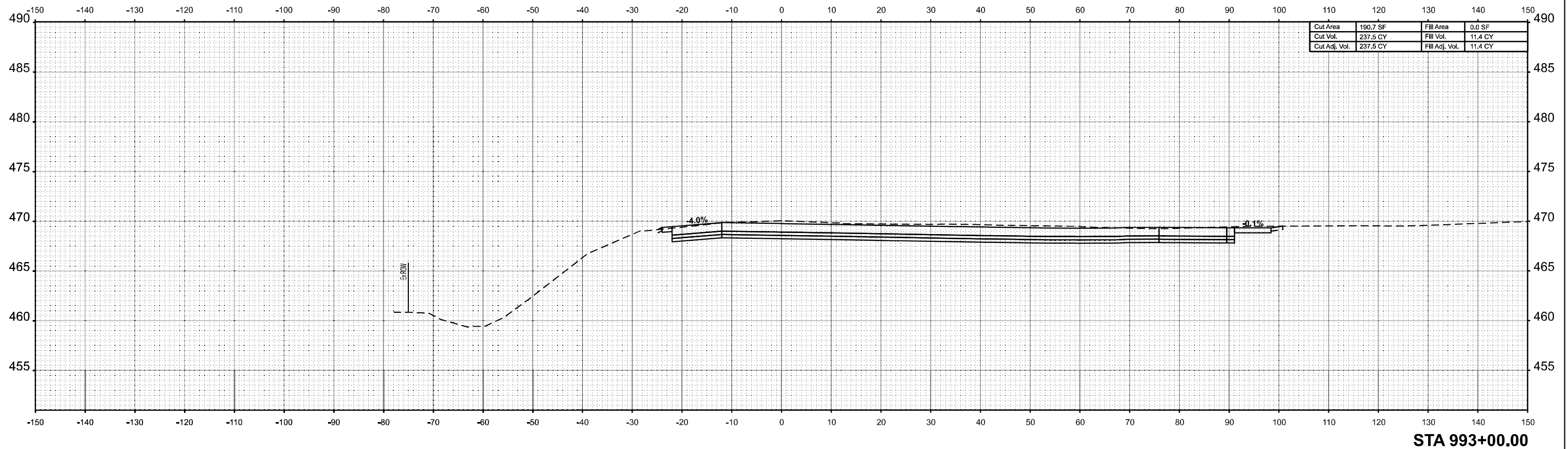
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	54
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

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

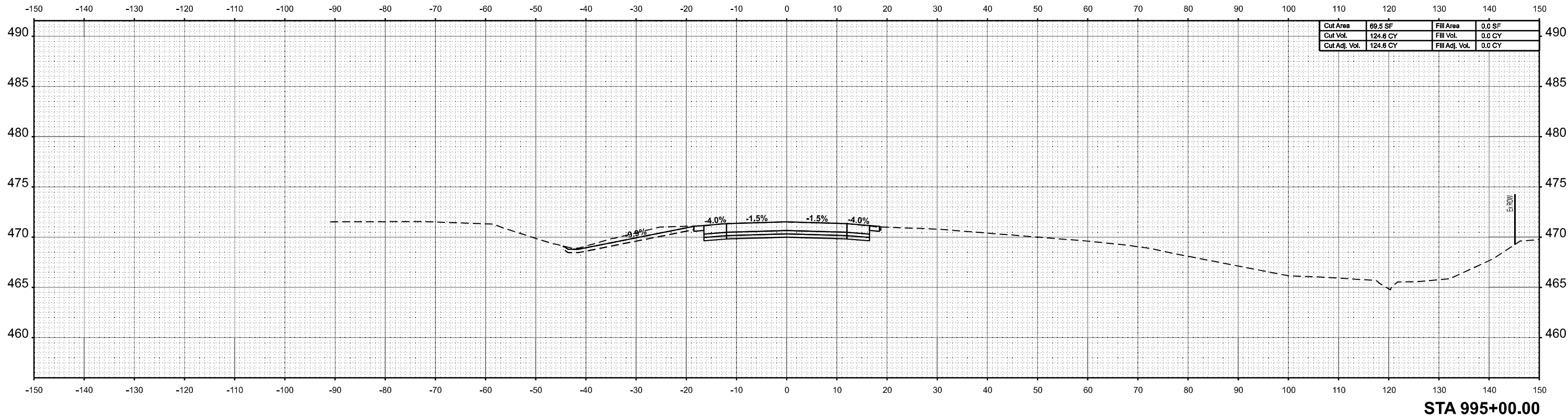
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NO.	AREAS CHECKED

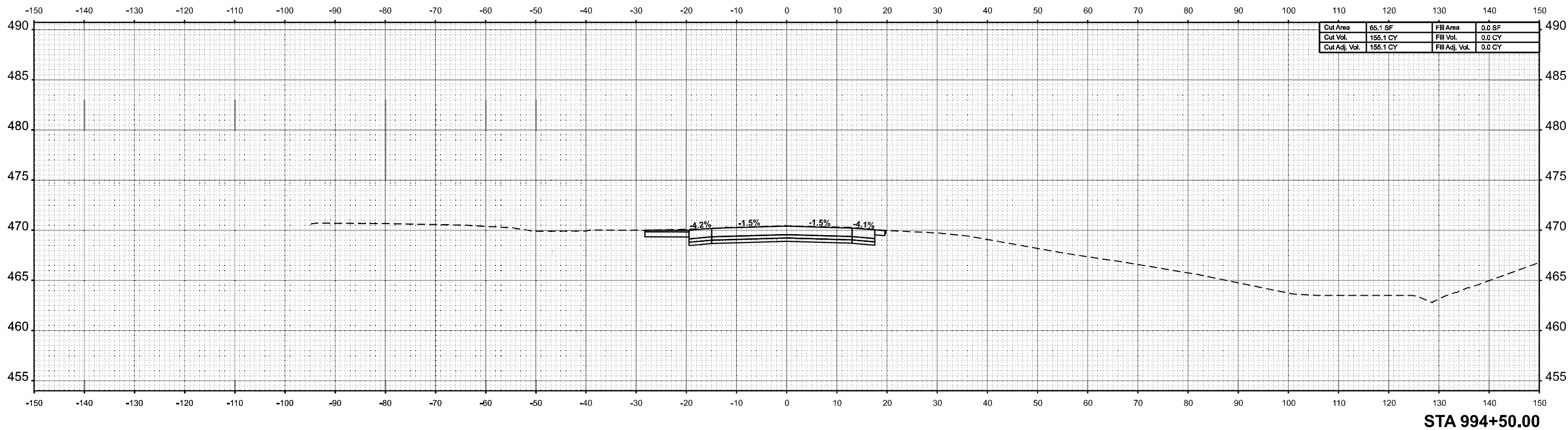
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FINAL SURVEY	SURVEYED PLOTTED NOTE BOOK	BY	DATE



ORIGINAL SURVEY	SURVEYED PLOTTED NOTE BOOK	BY	DATE



MODEL: IL4-190 - 10 Scale - 694+50.00 R2 Sheet1
FILE NAME: p:\workspace\lantern\com\design\dot\Documents\DOT Projects\2021\0825 IL4 CRD 10.0\DOT\CRD_Sheets\DOT\MS-Sheet8.dgn



USER NAME = jwarner
DESIGNED -
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CHECKED -
DATE -
PLOT SCALE = 0.16666633' / in.
PLOT DATE = 5/10/2024

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
CROSS SECTIONS

SCALE: 1"=10' SHEET 8 OF 22 SHEETS STA. TO STA.

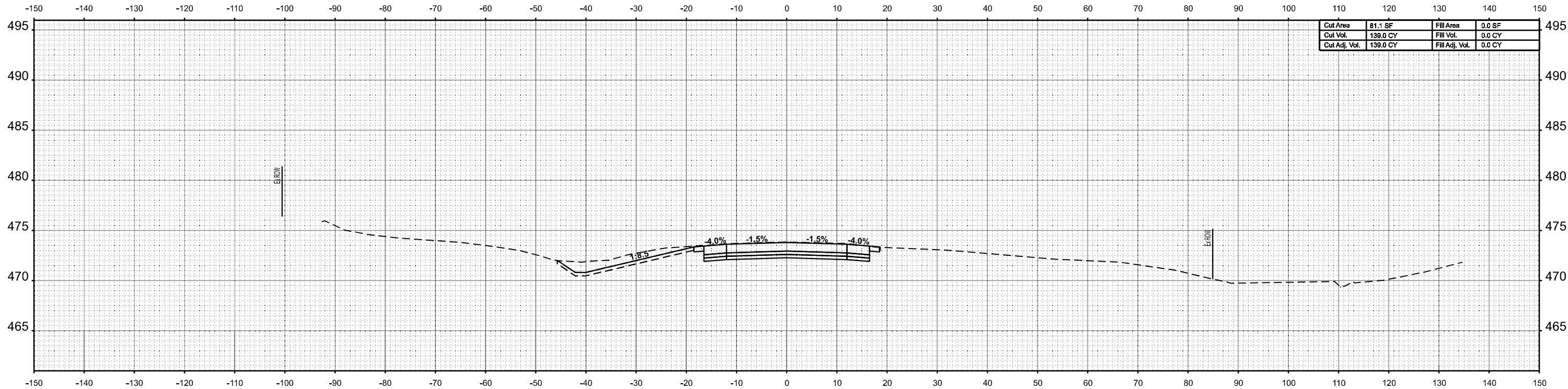
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	56
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

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

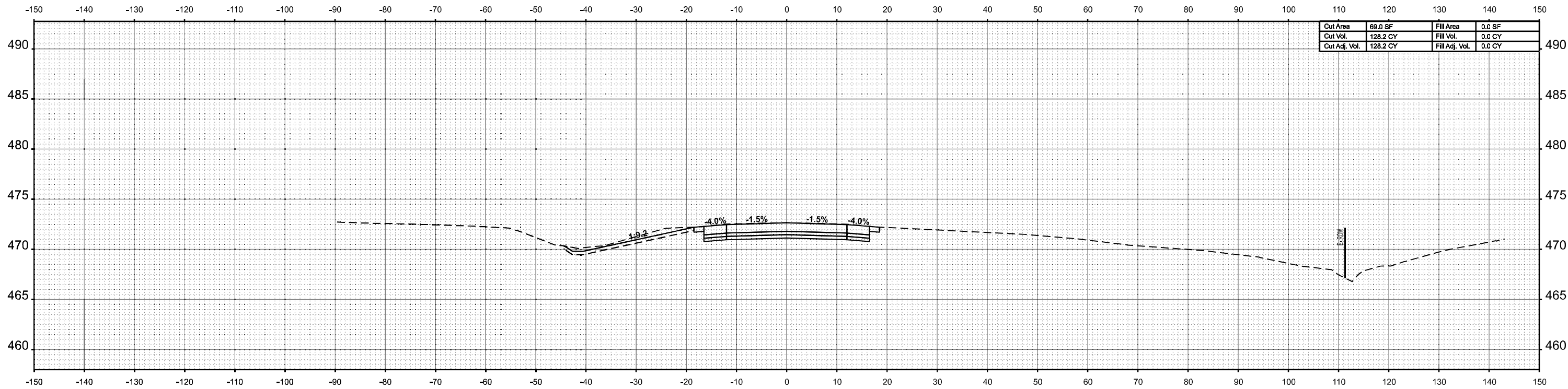
ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

MODEL: IL4-190 - 10 Scale - 495+50.00 R2 Sheet

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STA 996+00.00



STA 995+50.00



200 E. Main St., Suite 200
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618.233.2877 Phone
618.233.2877 Fax
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USER NAME	= jwarner	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / ft.	CHECKED	-	REVISED	-
PLOT DATE	= 5/10/2024	DATE	-	REVISED	-

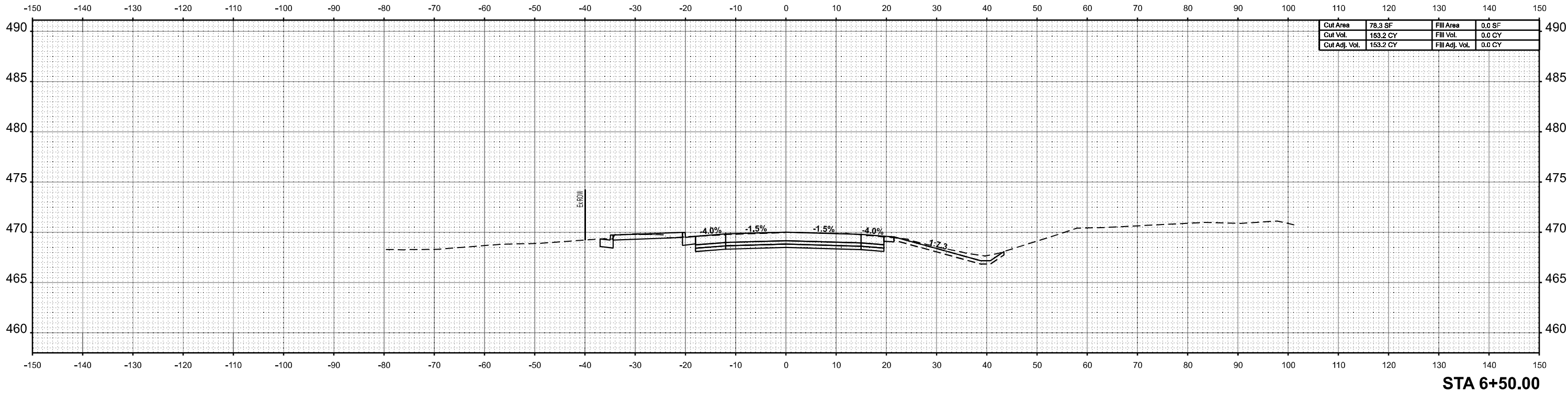
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
CROSS SECTIONS

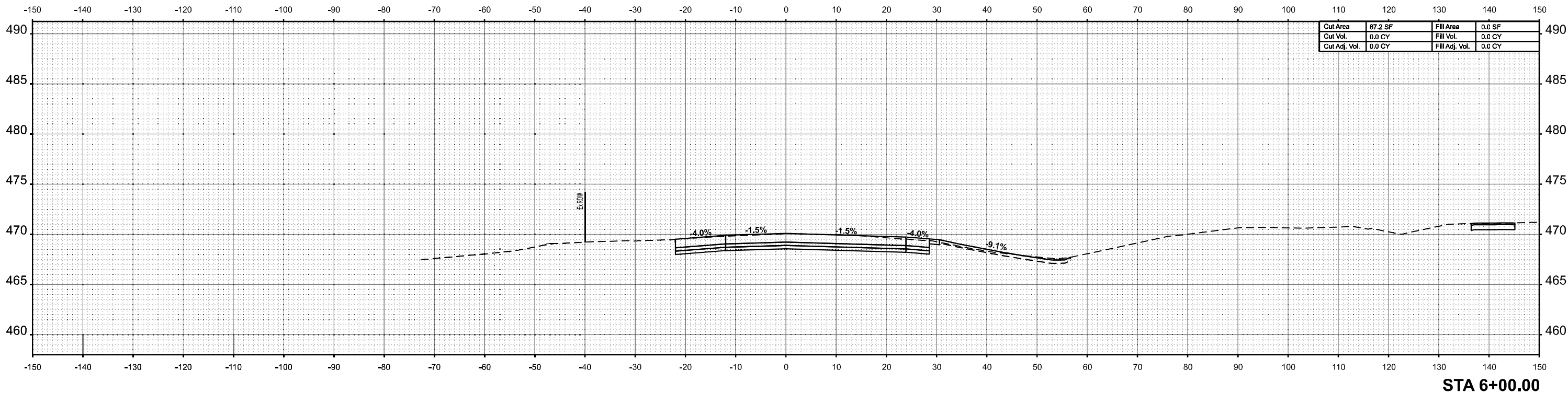
SCALE: 1"=10' SHEET 9 OF 22 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	57
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

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



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



MODEL: IL4-150 - 10 Scale - 6+00.00 (Sheet)

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200 E. Main St., Suite 200
Bella Vista, Illinois 62801
618.233.2877 Phone
618.233.2877 Fax
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Professional Engineer
No. 00000000

USER NAME	= jwarner	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 5/10/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
CROSS SECTIONS

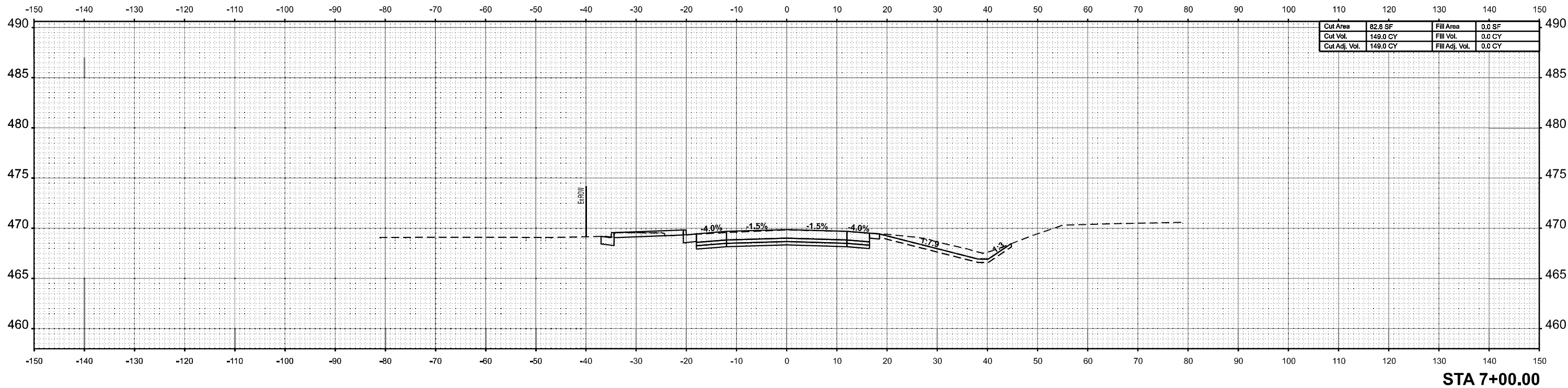
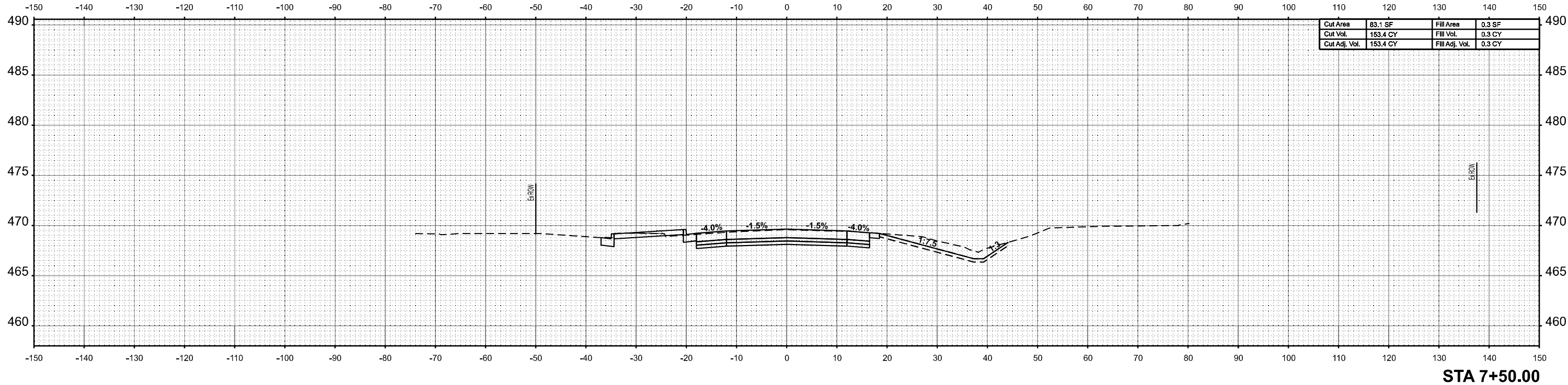
SCALE: 1"=10' SHEET 10 OF 22 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	58
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

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

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

MODEL: IL4-150 - 10 Scale - 7+00.00 (Sheet)
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USER NAME	= jwamer	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
		DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
CROSS SECTIONS

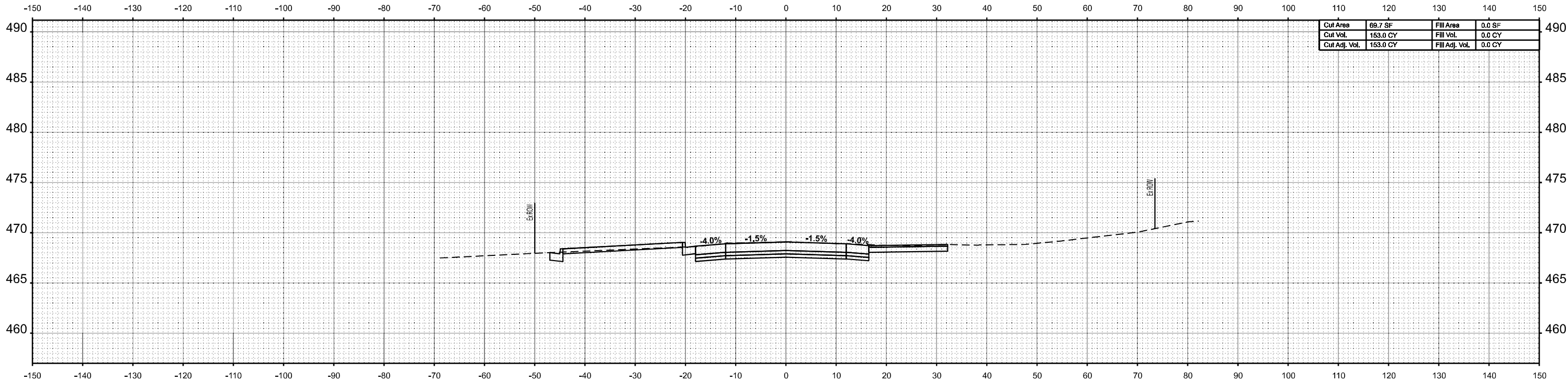
SCALE: 1"=10' SHEET 11 OF 22 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	59
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

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

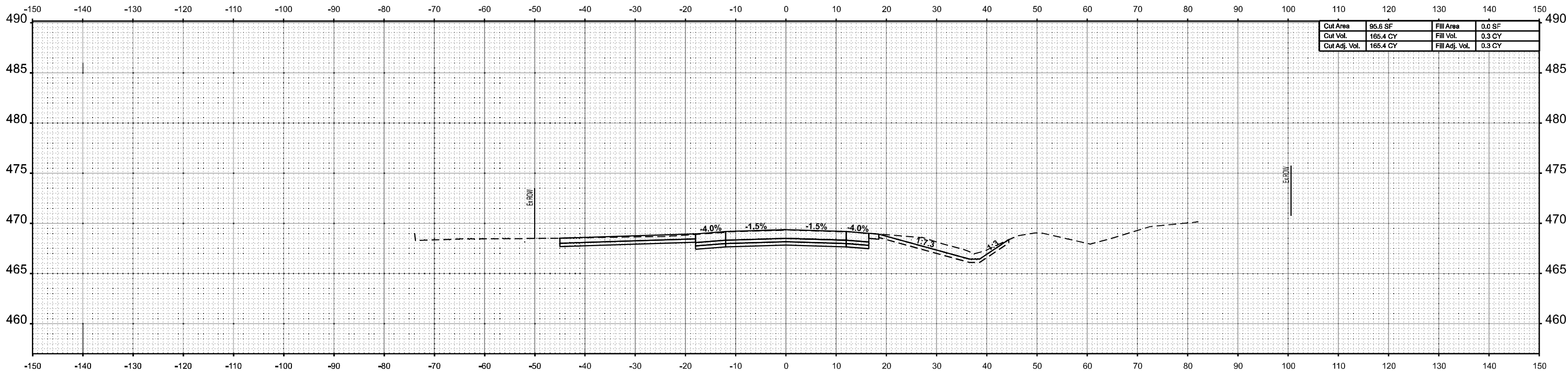
ORIGINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

MODEL: IL4 - 150 - 10 Scale - 8+00.00 (Sheet)
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Cut Area	69.7 SF	Fill Area	0.0 SF
Cut Vol.	153.0 CY	Fill Vol.	0.0 CY
Cut Adj. Vol.	153.0 CY	Fill Adj. Vol.	0.0 CY

STA 8+50.00



Cut Area	95.6 SF	Fill Area	0.0 SF
Cut Vol.	165.4 CY	Fill Vol.	0.3 CY
Cut Adj. Vol.	165.4 CY	Fill Adj. Vol.	0.3 CY

STA 8+00.00



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Bella Vista, Illinois 62801
618.233.2877 Phone
618.233.2877 Fax
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Professional Engineer
No. 00000000

USER NAME = jwarner
DESIGNED -
DRAWN -
CHECKED -
DATE - 5/10/2024

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
CROSS SECTIONS

SCALE: 1"=10'

SHEET 12

OF 22

SHEETS

STA.

TO STA.

F.A.P.
RTE.
*

SECTION
110,119NR-1

COUNTY
RANDOLPH

TOTAL
SHEETS
70

SHEET
NO.
60

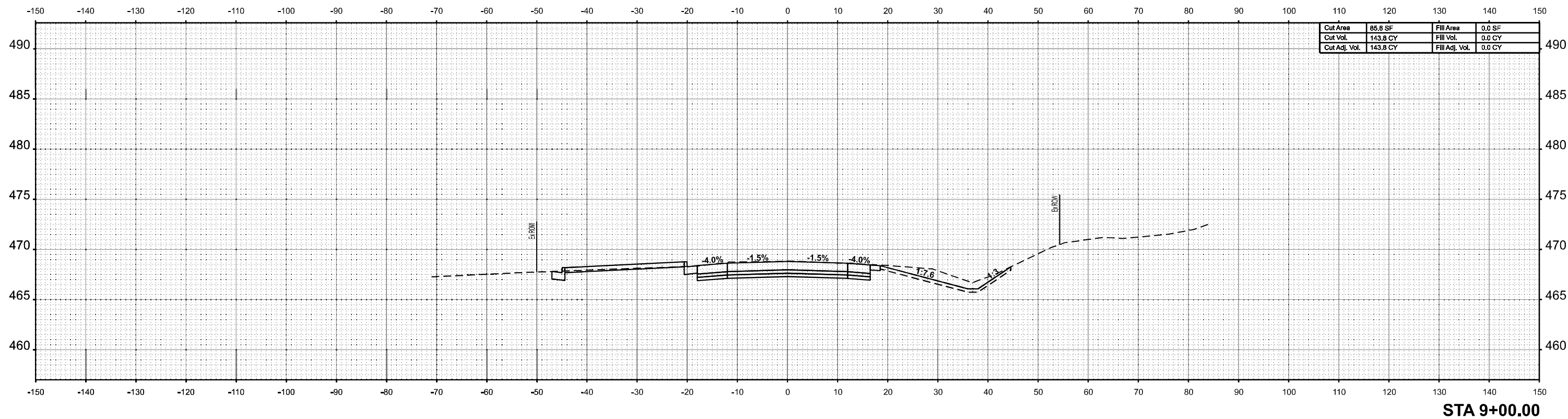
CONTRACT NO. 76M93

ILLINOIS

FED. AID PROJECT

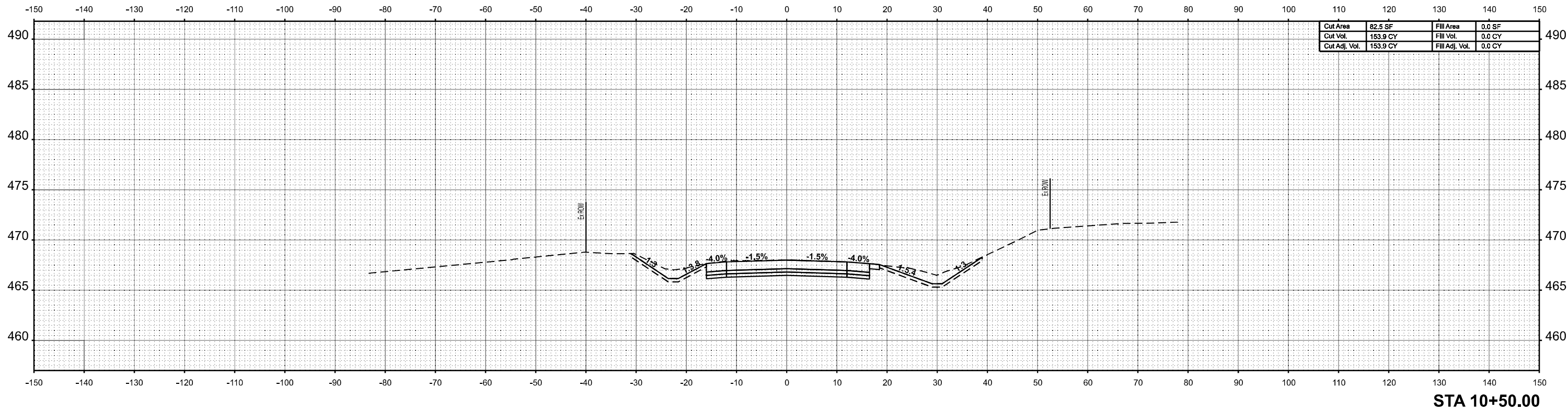
ORIGINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NOTE BOOK			
NO.			

MODEL: IL4 - 150 - 10 Scale - 9+00.00 (Sheet)

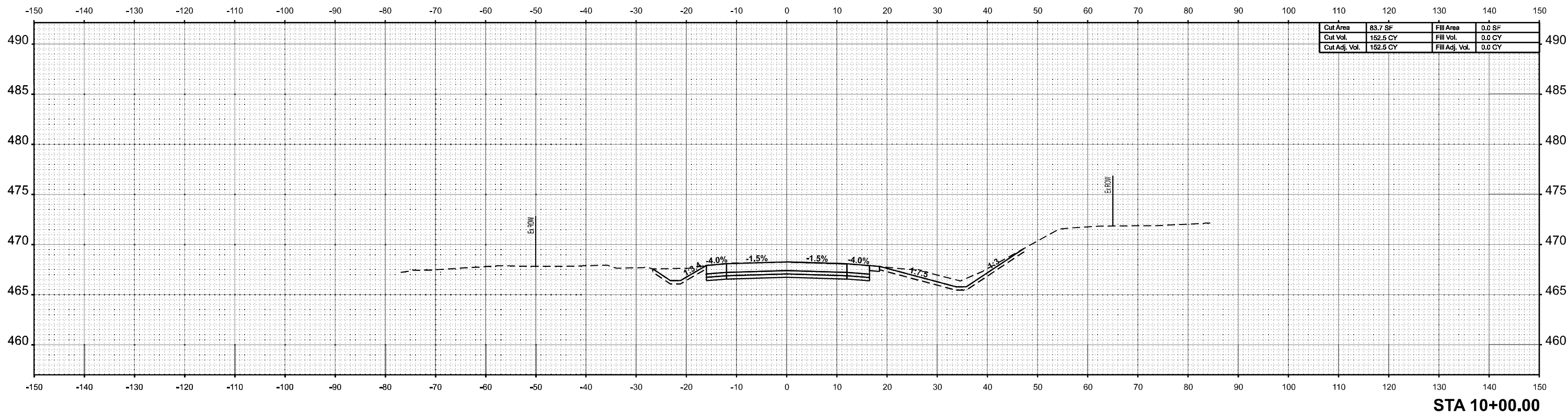


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	61
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
ILLINOIS		FED. AID PROJECT		

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



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



MODEL: IL4-150 - 10 Scale - 10=0.00' (Sheet)

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200 E. Main St., Suite 200
Bella Vista, Illinois 62809
618.233.2877 Phone
618.233.2877 Fax
www.kaskaskiaeng.com

10/10/2024

20-000000

USER NAME	= jwarner	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 5/10/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)
CROSS SECTIONS

SCALE: 1"=10' SHEET 14 OF 22 SHEETS STA. TO STA.

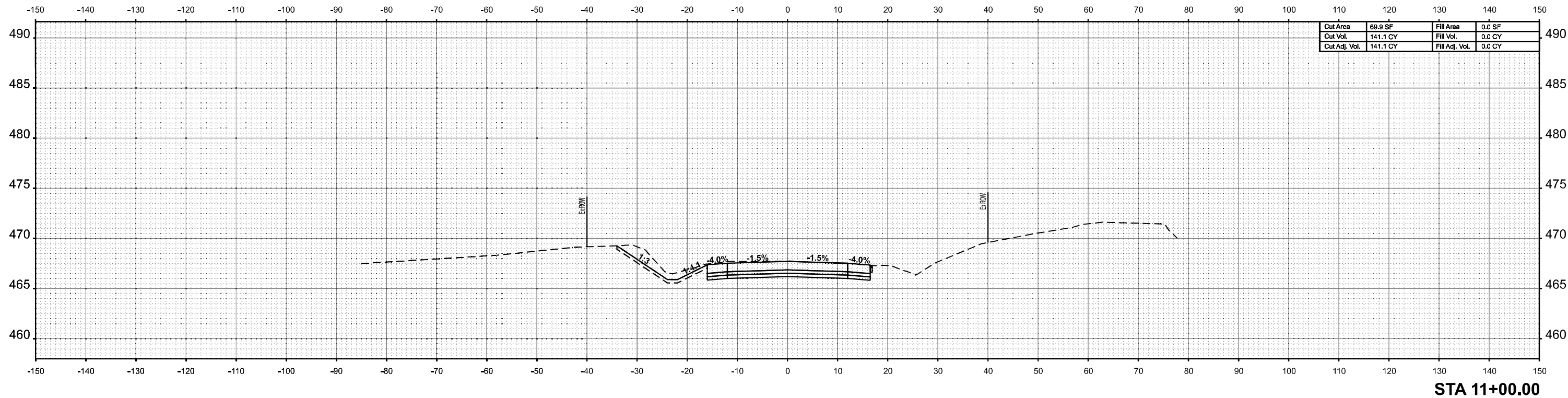
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*	110,119NR-1	RANDOLPH	70	62
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

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

MODEL: IL4 - 150 - 10 Scale - 11+00.00 [Sheet]

NO.	AREAS CHECKED

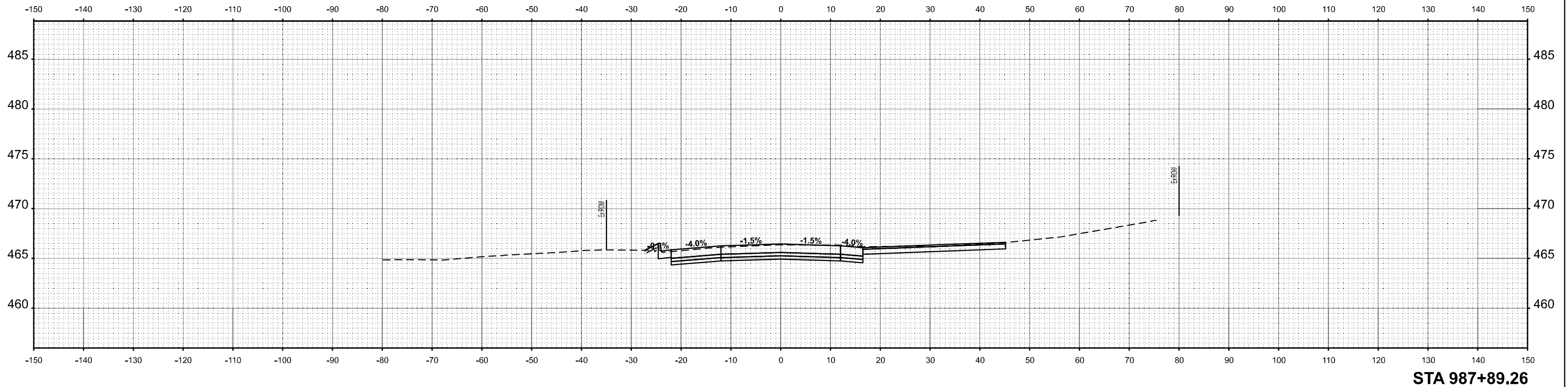
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	63
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
ILLINOIS		FED. AID PROJECT		

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

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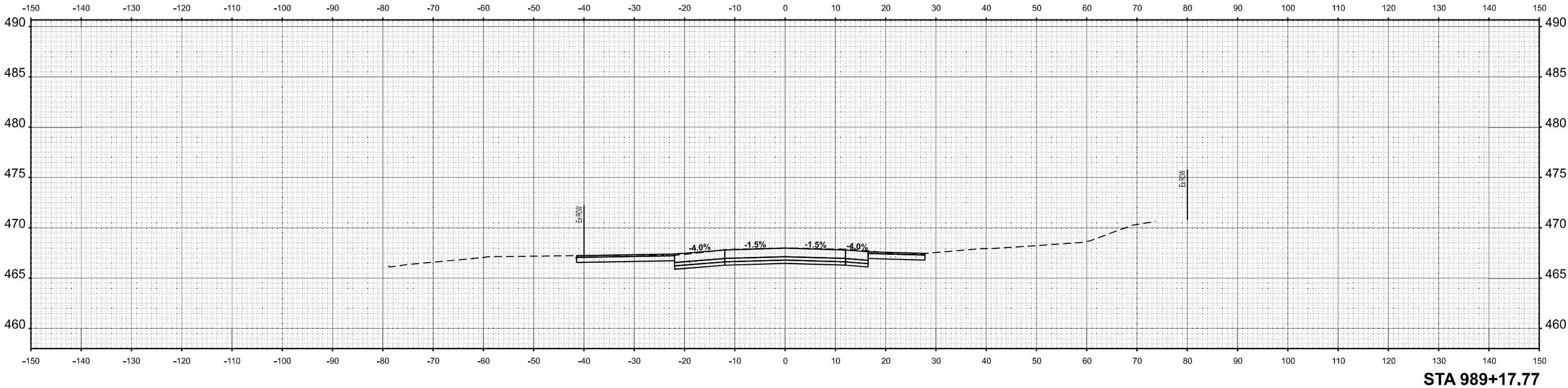
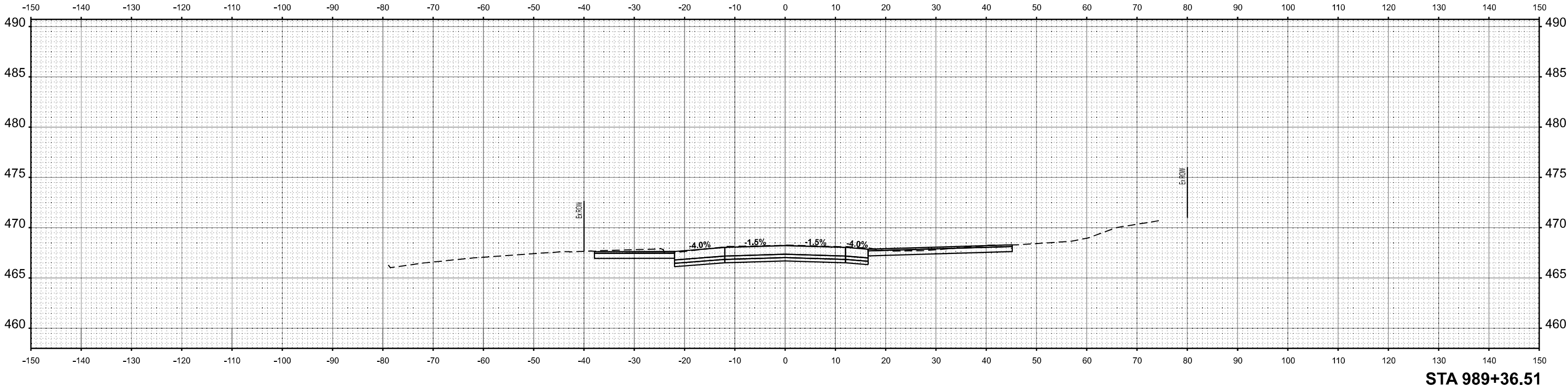


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

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

MODEL IL 4 150 -Driveways - 989+17.77 R2 [Sheet]
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USER NAME	= jwarner	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 5/10/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

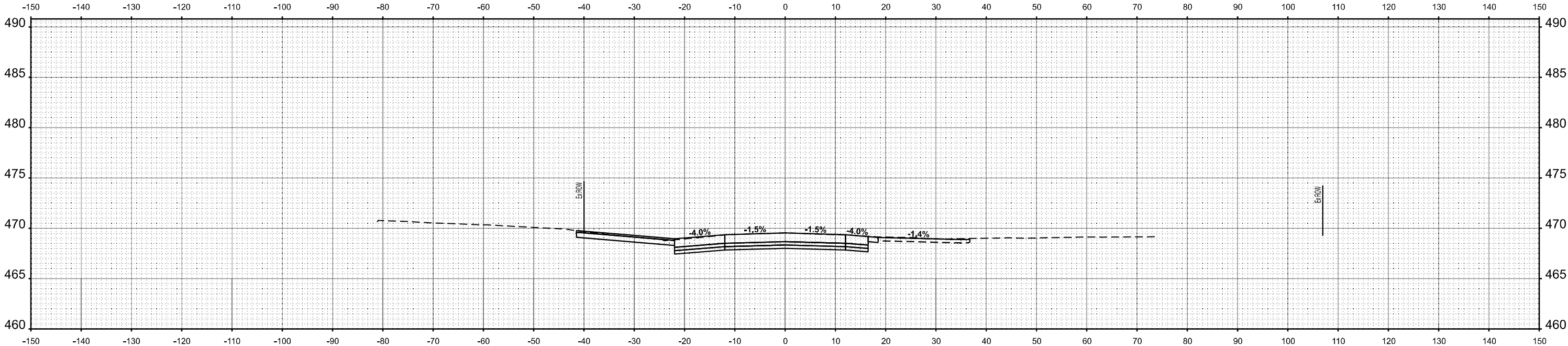
FAP 682/861A (IL 4150) CROSS SECTIONS			
SCALE: 1"=10'	SHEET 17	OF 22 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	65
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

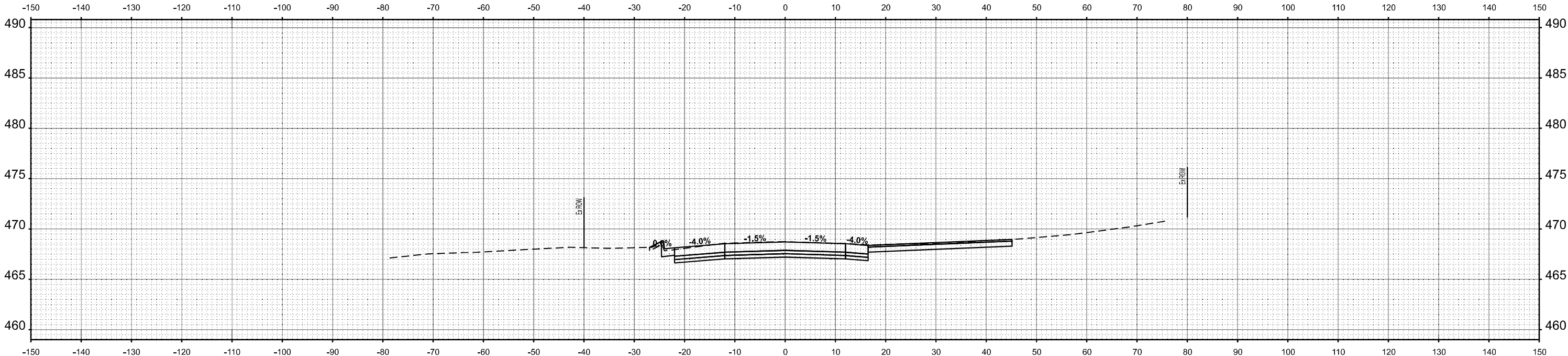
FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS AREAS CHECKED	BY	DATE

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

MODEL: IL 4 150 - Driveways - 989-79.11 R2 (Sheet)
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STA 990+69.06



STA 989+79.11

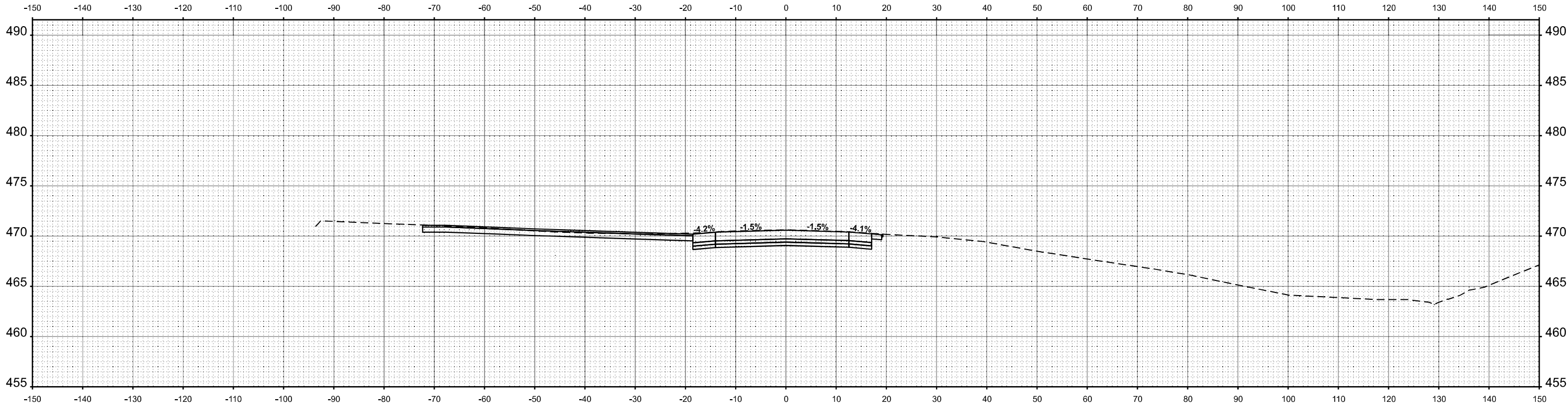
USER NAME	= jwarner	DESIGNED	-	REVISED	-
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PLOT SCALE	= 0.16666633' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 5/10/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150) CROSS SECTIONS			
SCALE: 1"=10'	SHEET 18	OF 22 SHEETS	STA. TO STA.

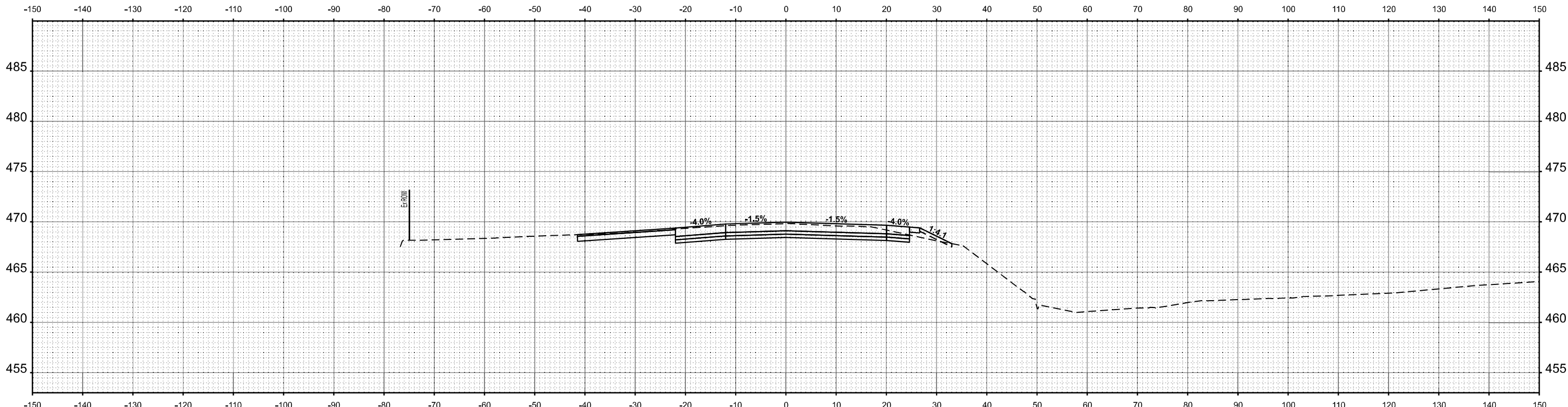
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	66
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



STA 994+58.64

ORIGINAL SURVEY	NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



STA 992+31.28

USER NAME = jwarner	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 5/10/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

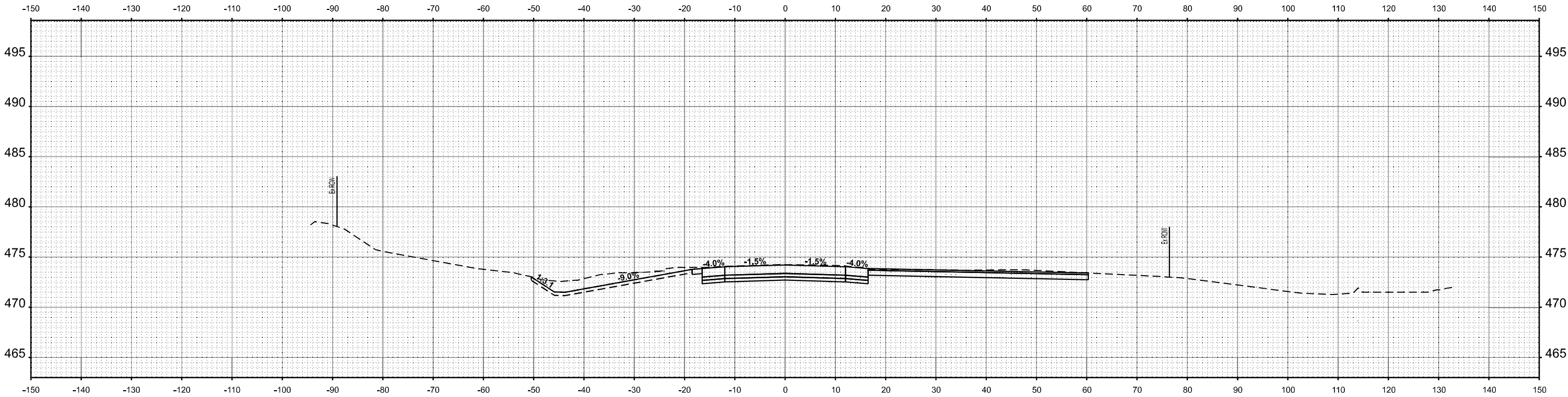
FAP 682/861A (IL 4150) CROSS SECTIONS			
SCALE: 1"=10'	SHEET 19	OF 22 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	67
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

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

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

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STA 996+19.20

USER NAME	= jwarner	DESIGNED	-
		DRAWN	-
PLOT SCALE	= 0.16666633" / ft.	CHECKED	-
PLOT DATE	= 5/10/2024	DATE	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

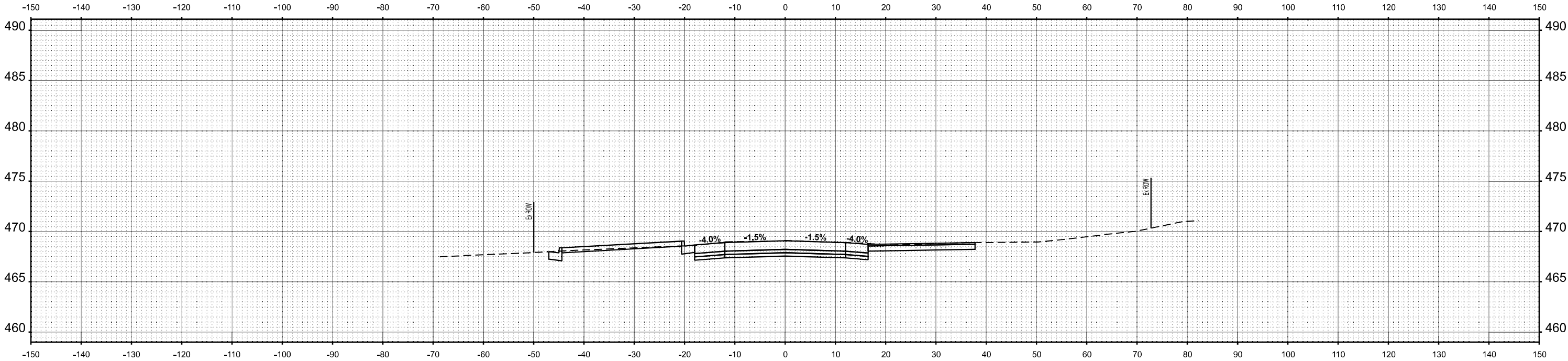
FAP 682/861A (IL 4150) CROSS SECTIONS			
SCALE: 1"=10'	SHEET 20	OF 22 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	68
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

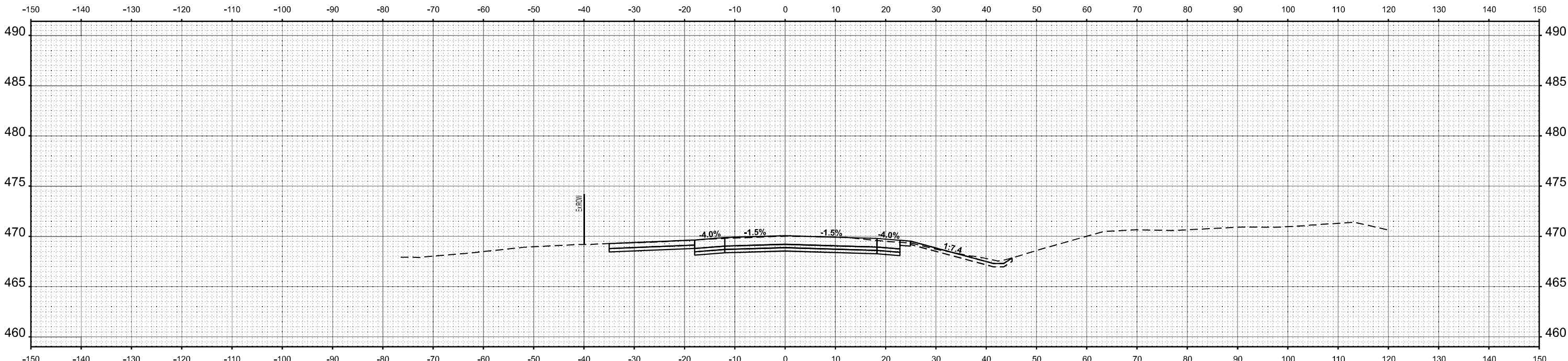
FINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

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

MODEL IL 4 150 -Driveways - 6+27.25 (Sheet)
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STA 8+51.56



STA 6+27.25

USER NAME	= jwamer	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633" / ft.	CHECKED	-	REVISED	-
PLOT DATE	= 5/10/2024	DATE	-	REVISED	-

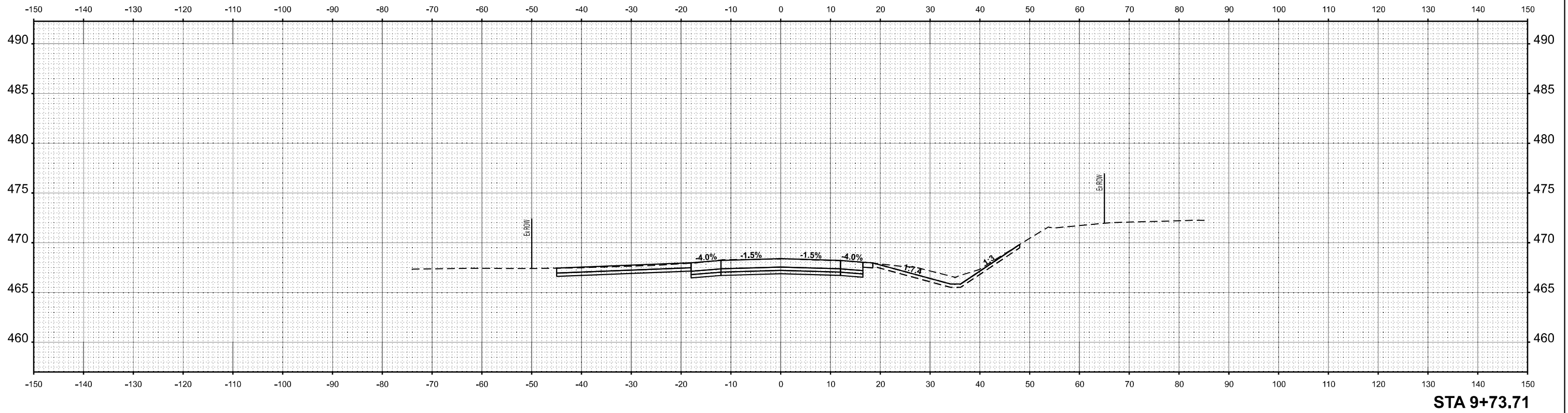
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 682/861A (IL 4150)			
CROSS SECTIONS			
SCALE: 1"=10'	SHEET 21	OF 22 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	110,119NR-1	RANDOLPH	70	69
*F.A.P. 682/F.A.P. 861A		CONTRACT NO. 76M93		
		ILLINOIS	FED. AID PROJECT	

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

MODEL - II 4 150 - Driveways - 9+73 74 [Sheet]



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10'	SHEET 22	OF 22	SHEETS	STA.	TO STA.
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ILLINOIS	FED. AID PROJECT
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