

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

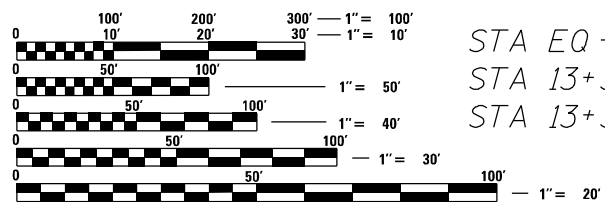
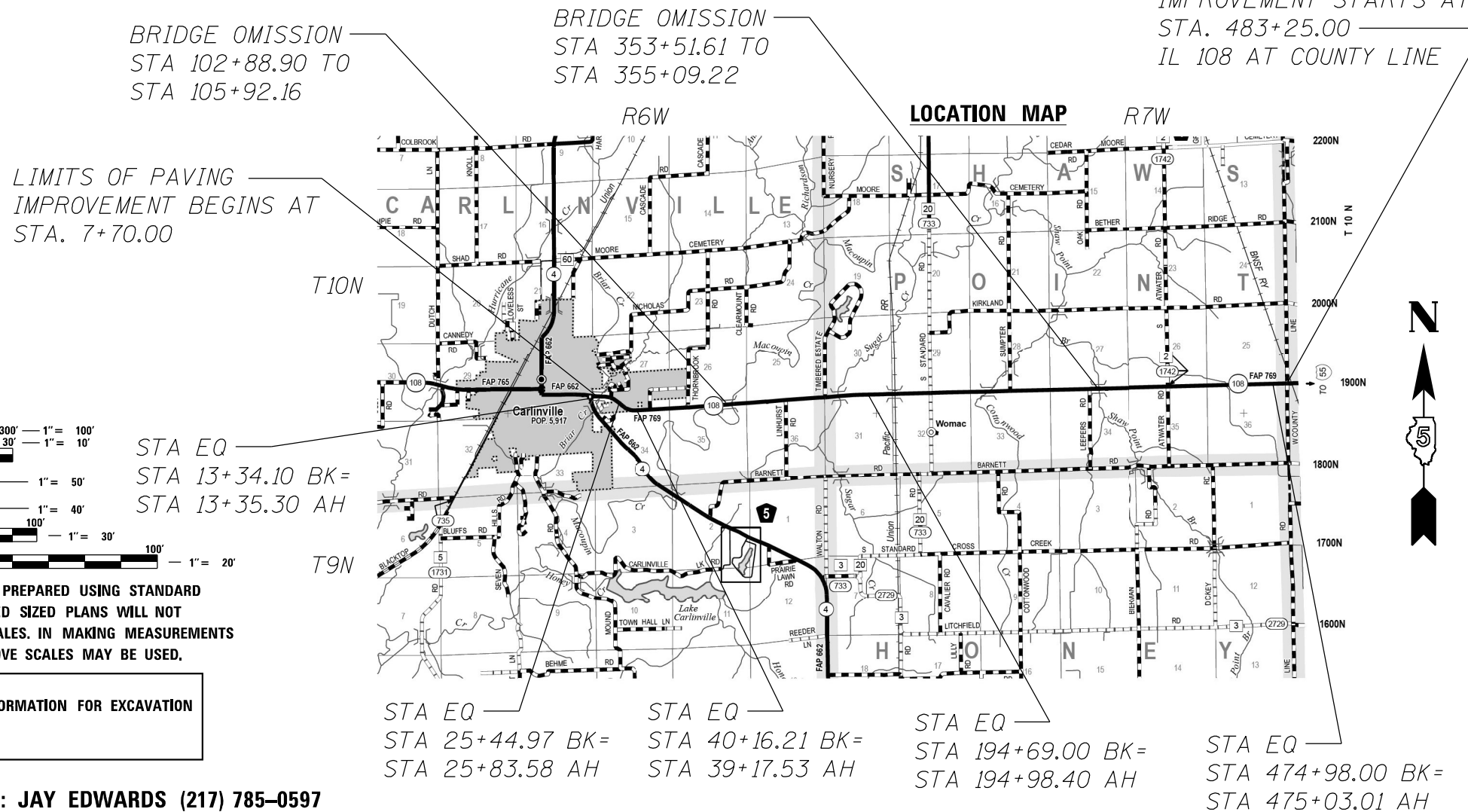
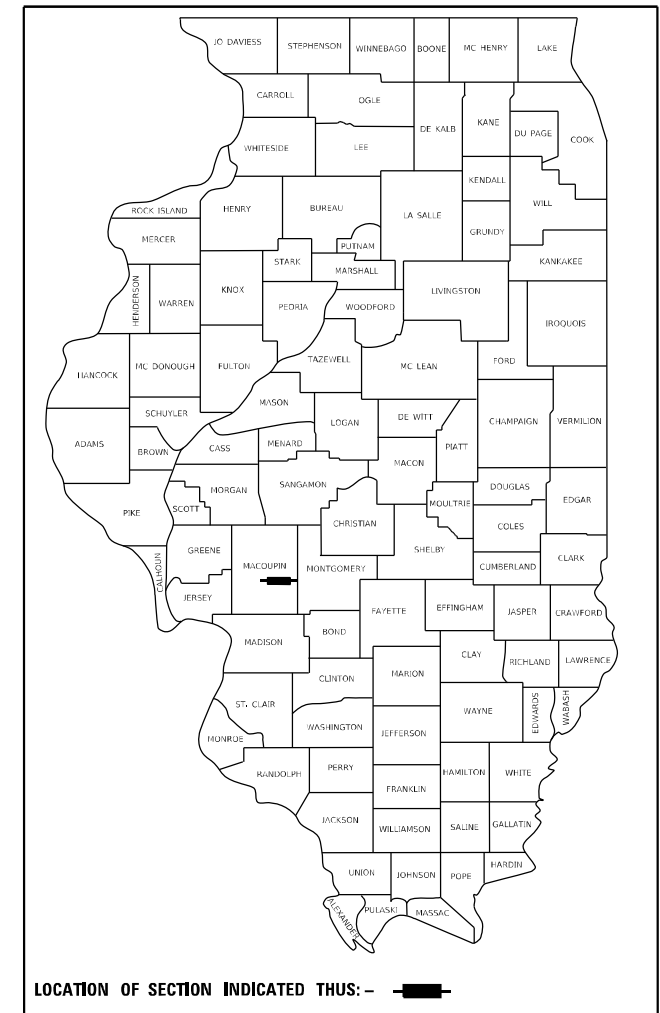
PROPOSED HIGHWAY PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	110(RS-6), 111(RS-5)	MACOUPIN	39	1
		ILLINOIS	CONTRACT NO. 72M78	

HIGHWAY CLASSIFICATION
F.A.P ROUTE 769 (IL 108)
CLASSIFICATION MINOR ARTERIAL
PV = 90.20 %
SU = 4.34 %
MU = 5.46 %

ROUTE: FAP 769 (IL 108)
SECTION: (110)RS-6, (111)RS-5
PROJECT: STP-HOTQ(445)
RESURFACING
MACOUPIN COUNTY
C-96-049-21

D-96-030-21



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

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

PROJECT ENGINEER : JAY EDWARDS (217) 785-0597
PROJECT MANAGER : JONATHAN COX (217) 782-1378

CONTRACT NO. 72M78

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUBMITTED March 24 2023

[Signature]
REGIONAL ENGINEER

May 12, 2023 *[Signature]*
ENGINEER OF DESIGN AND ENVIRONMENT

May 12, 2023 *[Signature]*
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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

STANDARDS

000001-08	STANDARDS SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREA OF REINFORCEMENT BARS
442201-03	CLASS C & D PATCHES
601001-05	PIPE UNDERDRAINS
602306-03	INLET-TYPE B
604046-03	FRAME AND GRATE TYPE 10
606201-04	TYPE B GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF ROADS OPERATIONS, 2L, 2W, MORE THAN 15' AWAY FROM PAVEMENT EDGE
701006-05	OFF ROADS OPERATIONS, 2L, 2W, 15'-24' FROM PAVEMENT EDGE
701011-04	OFF ROADS MOVING OPERATIONS 2L, 2W DAY ONLY
701201-05	LANE CLOSURE 2L, 2W, DAY ONLY FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE 2L, 2W SHORT TERM OPERATIONS
701306-04	LANE CLOSURE 2L, 2W SLOW MOVING OPERATIONS -DAY ONLY FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701316-13	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS ≥ 45 MPH OR MORE
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL BARRIER WALL REFLECTOR MOUNTING DETAILS

STANDARDS CONTINUED

001006	DECIMAL OF AN INCH AND OF A FOOT
420001-10	PAVEMENT JOINTS
602301-04	INLET, TYPE A
602401-07	PRECAST MANHOLE, TYPE A, 4' DIAMETER
602402-03	PRECAST MANHOLE, TYPE A, 5' DIAMETER

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, LIST OF STANDARDS, GENERAL NOTES AND COMMITMENTS
- 3-5 SUMMARY OF QUANTITIES (3)
- 6-10 SCHEDULE OF QUANTITIES (5)
- 11 CONTROL POINTS AND BENCHMARKS
- 12-16 TYPICAL SECTIONS (5)
- 17-33 PLAN SHEETS (17)
- 34 DRAINAGE DETAIL/PROFILE SHEET
- 35-36 HEADWALL REPAIR DETAILS (2)
- 37 WIDTH RESTRICTION SIGNING DETAIL
- 38-39 ENTRANCES & SIDE ROADS (2)

GENERAL NOTES
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE

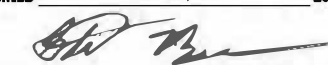
LOCATIONS	IL 108					SIDERoads	
	MIXTURE USE(S)	HMA CONC SURF CSE	HMA BINDER CSE	HMA SHOULDERS 6.5"	HMA SHOULDERS	PATCHING	INCIDENTAL HMA SURF
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N DESIGN - 50	4.0% @ N DESIGN - 50	4.0% @ N DESIGN - 50	4.0% @ N DESIGN - 50	4.0% @ N DESIGN - 50	4.0% @ N DESIGN - 50	4.0% @ N DESIGN - 50
MIXTURE COMPOSITION	IL 9.5	IL 9.5FG	IL 19.0	IL 9.5	IL 19.0	IL 9.5	IL 9.5
FRICTION AGGREGATE	MIX "C"	N/A	N/A	MIX "C"	N/A	MIX "C"	MIX "C"
MIXTURE WEIGHT	112LB/SY*IN	112LB/SY*IN	112LB/SY*IN	112LB/SY*IN	112LB/SY*IN	112LB/SY*IN	112LB/SY*IN
QUALITY MANAGEMENT	QCP	QCP	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE	1,000 TONS	1,000 TONS	N/A	N/A	N/A	N/A	N/A
MTD REQUIRED	YES	NO	NO	NO	NO	NO	NO

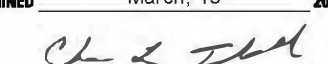
NOTE:
QCP APPLIES TO MAINLINE ONLY
NUCLEAR GAUGES WILL BE USED FOR DENSITY VARIIFICATION BY THE ENGINEER ON ALL QC/QA ITEMS

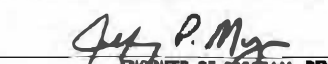
1. NO PASSING ZONES TO BE FIELD VERIFIED BY THE BUREAU OF OPERATIONS, THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PERMANENT MARKING. (PH: 217-785-5312)

RATE TABLE
THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES.
BITUMINOUS MATERIALS (TACK COAT): 0.05 LBS/SQ FT (MILLING)
BITUMINOUS MATERIALS (TACK COAT): 0.025 LBS/SQ FT (HMA LIFTS)
HMA SURFACE MIX "C": 0.056 TONS/SQ YD
AGGREGATE SHOULDERS: 1.60 TONS/CU YD

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6**

EXAMINED March, 13 20 23

ENGINEER OF OPERATIONS

EXAMINED March, 13 20 23

ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED March, 17 20 23

ENGINEER OF PROGRAM DEVELOPMENT

REV. - MS

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USER NAME = Jonathan.Cox	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEET & GENERAL NOTES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -		SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.				769	(110) RS-6, (111) RS-5	MACOUPIN	39	2
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -										CONTRACT NO. 72M78
PLOT DATE = 3/21/2023	DATE -	REVISED -										ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6 - 00675 - 0000	
				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	ROADWAY
				0005 RURAL	0005 URBAN
20200100	EARTH EXCAVATION	CU YD	214	214	
20800150	TRENCH BACKFILL	CU YD	388	388	
28100105	STONE RIPRAP, CLASS A3	SQ YD	34	34	
28200200	FILTER FABRIC	SQ YD	34	34	
35800100	PREPARATION OF BASE	SQ YD	905	832	73
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	450	437	13
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	91982	83938	8044
40600370	LONGITUDINAL JOINT SEALANT	FOOT	47105	42923	4182
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2876	2567	309
40600990	TEMPORARY RAMP	SQ YD	189	164	25
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	9539	8705	834
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	11447	10446	1001
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	1989	1817	172
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	968	906	62

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6 - 00675 - 0000	
				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	ROADWAY
				0005 RURAL	0005 URBAN
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	124451	116202	8249
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	11908	8371	3537
44000400	GUTTER REMOVAL	FOOT	1630	1580	50
44200140	PAVEMENT PATCHING, TYPE I, 12 INCH	SQ YD	45	45	
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SQ YD	160	160	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3816	2938	878
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	2488	2201	287
48203100	HOT-MIX ASPHALT SHOULDERS	TON	503	459	44
50105220	PIPE CULVERT REMOVAL	FOOT	321	321	
50300225	CONCRETE STRUCTURES	CU YD	9.9	9.9	
50300300	PROTECTIVE COAT	SQ YD	7.4	7.4	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1780	1780	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	970	970	
60108104	PIPE UNDERDRAINS, TYPE 1, 4"	FOOT	1590	1590	

REV. - MS

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USER NAME = Jonathan.Cox DESIGNED - DRAWN - PLOT SCALE = 100.0000' / in. CHECKED - PLOT DATE = 3/22/2023 DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. 769 SECTION (110) RS-6, (111) RS-5 COUNTY MACOUPIN ILLINOIS FED. AID PROJECT	TOTAL SHEETS 39 SHEET NO. 3 CONTRACT NO. 72M78
SCALE:			SHEET 1 OF 3 SHEETS	STA. TO STA.	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-00675-0000	
				80% FEDERAL 20% STATE ROADWAY	80% FEDERAL 20% STATE ROADWAY
				0005 RURAL	0005 URBAN
60219200	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 10 FRAME AND GRATE	EACH	1	1	
60221900	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 10 FRAME AND GRATE	EACH	1	1	
60236700	INLETS, TYPE A, TYPE 10 FRAME AND GRATE	EACH	4	4	
60240305	INLETS, TYPE B, TYPE 10 FRAME AND GRATE	EACH	2	2	
60500040	REMOVING MANHOLES	EACH	3	3	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	1.8	1.8	
60602800	CONCRETE GUTTER, TYPE B	FOOT	1630	1580	50
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	287.5	287.5	
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	4350	3325	1025
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	26	20	6
63200310	GUARDRAIL REMOVAL	FOOT	4835	3745	1090
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	11	1
67100100	MOBILIZATION	L SUM	1	0.9	0.1
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1	

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	6-00675-0000	
				80% FEDERAL 20% STATE ROADWAY	80% FEDERAL 20% STATE ROADWAY
				0005 RURAL	0005 URBAN
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.9	0.1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.9	0.1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	14131	12877	1254
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1570	1431	139
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	26	20	6
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	160241	144574	15667
* 78003101	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD LETTERS AND SYMBOLS	SQ FT	61	61	
* 78003181	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD LINE 24"	FOOT	26	26	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	597	542	55
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	63	48	15
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	597	542	55

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USER NAME = Jonathan.Cox	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72M78	

LOCATION	DESCRIPTION	SIDE	FROM EOP	WIDTH		THICKNESS	TEMP RAMP LENGTH	20200100	35800100	40200800	40600990	40800029	40800050	40600982
				EARTH EXCAVATION	PREPARATION OF BASE			AGGREGATE SURFACE COURSE, TYPE B	TEMPORARY RAMP	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HMA SURFACING	HMA SURFACE REM - BUTT JOINT		
			FOOT	AT EOP	ENTRANCE	INCH	FOOT	CU YD	SQ YD	TON	SQ YD	POUNDS	TON	SQ YD
FAP 769 (IL 108)														
12+20.00	AGGREGATE PE	LT								BEHIND GUTTER (NO WORK)				
15+27.00	PCC PE	LT								BEHIND GUTTER (NO WORK)				
19+87.00	HMA PE	LT	7.00	38.00	24.00	2.75						11	4	24
20+37.37	SHERWOOD DR	LT	35.00	55.00	21.00	2.75	5.00				11.67	67	23	148
20+66.00	HMA PE	RT	7.00	38.00	24.00	2.75						11	4	24
24+88.00	PCC CE	RT								PCC ENTRANCE (NO WORK)				
STA EQ STA 25+44.97 BK = STA 25+83.58 AH														
28+53.88	EASTLAND CT	LT								PCC SIDEROAD (NO WORK)				
32+47.00	HMA PE	RT	14.00	38.00	24.00	2.75						22	7	48
37+00.00	PCC CE	LT								PCC ENTRANCE (NO WORK)				
39+72.00	AGGREGATE PE	RT	7.00	38.00	35.00	3.50			28.39	4.97		13	6	
STA EQ STA 40+16.21 BK= STA 39+17.53 AH														
39+85.00	PCC CE	LT								PCC ENTRANCE (NO WORK)				
41+37.00	PCC CE	LT								PCC ENTRANCE (NO WORK)				
42+20.00	AGGREGATE PE	RT	7.00	80.00	35.00	3.50			44.72	7.83		20	9	
42+88.00	PCC CE	LT								PCC ENTRANCE (NO WORK)				
48+95.37	ROSEDALE LN	LT	15.00	55.00	23.00	2.75	5.00				12.78	29	10	65
URBAN 5 TO 50K TOTAL									73	13	25	172	62	309
65+57.00	AGGREGATE PE	RT	7.00	38.00	24.00	3.50			24.11	4.22		11	5	
72+55.00	AGGREGATE MBT	RT	7.00	64.00	20.00	3.50			32.67	5.72		15	6	
72+95.00	AGGREGATE PE	RT	18.00	38.00	24.00	3.50			62.00	10.85		28	12	
73+32.58	THORNBROOK RD	LT	65.00	80.00	26.00	2.75	5.00				14.44	172	59	383
90+45.00	AGGREGATE PE	LT	7.00	38.00	24.00	3.50			24.11	4.22		11	5	
91+38.00	AGGREGATE PE	RT	7.00	38.00	24.00	3.50			24.11	4.22		11	5	
96+00.00	AGGREGATE PE	LT	7.00	38.00	24.00	3.50			24.11	4.22		11	5	
98+12.00	HMA MBT	RT	7.00	64.00	20.00	2.75						15	5	
98+54.00	AGGREGATE PE	LT	7.00	38.00	24.00	3.50			24.11	4.22		11	5	
98+54.00	HMA PE	RT	7.00	38.00	24.00	2.75						11	4	24
BRIDGE OMISSION STA 102+88.90 = STA 105+92.16														
114+00.00	AGGREGATE PE	LT	7.00	38.00	24.00	3.50			24.11	4.22		11	5	
129+82.03	BURKE LN (17000 E)	LT	34.00	85.00	20.00	2.75	5.00				11.11	89	31	198
141+00.00	AGGREGATE PE	LT	25.00	74.00	11.00	3.50			118.06	20.66		53	23	
141+06.48	LINDHURST RD (17500 E)	RT	27.00	78.00	24.00	8.00	5.00	38.25		61.20	13.33	69	69	153
164+61.00	AGGREGATE CE	LT	9.00	49.00	35.00	8.00		10.50		16.80		19	19	
167+35.00	AGGREGATE CE	LT	9.00	49.00	35.00	8.00		10.50		16.80		19	19	
167+35.00	AGGREGATE CE	RT	9.00	49.00	35.00	8.00		10.50		16.80		19	19	
167+74.45	TIMBERED ESTATES LN	LT								PCC SIDEROAD (NO WORK)				
171+95.00	AGGREGATE PE	LT	7.00	38.00	24.00	3.50			24.11	4.22		11	5	
172+33.00	AGGREGATE MBT	RT	7.00	64.00	20.00	3.50			32.67	5.72		15	6	
173+60.00	AGGREGATE PE	LT	7.00	38.00	24.00	3.50			24.11	4.22		11	5	
185+28.00	AGGREGATE PE	LT	7.00	38.00	24.00	3.50			24.11	4.22		11	5	
185+28.00	AGGREGATE PE	RT	7.00	38.00	24.00	3.50			24.11	4.22		11	5	
188+25.00	AGGREGATE CE	LT	9.00	49.00	35.00	8.00		10.50	42.00	16.80		19	19	
188+81.00	AGGREGATE PE	LT	7.00	38.00	24.00	3.50			24.11	4.22		11	5	
STA FQ STA 194+57.84 BK = STA 194+98.40 AH														
199+12.00	AGGREGATE MBT	RT	7.00	64.00	20.00	3.50			32.67	5.72		15	6	
199+36.00	AGGREGATE CE	LT	9.00	49.00	35.00	8.00		10.50		16.80		19	19	
199+36.00	AGGREGATE CE	RT	9.00	49.00	35.00	8.00		10.50		16.80		19	19	
188+25.00	AGGREGATE CE	RT	9.00	49.00	35.00	8.00		10.50		16.80		19	19	
199+36.00	AGGREGATE CE	LT	9.00	49.00	35.00	8.00		10.50		16.80		19	19	
239+81.47	TANDARD CITY RD (19500E)	LT	50.00	188.00	11.00	2.75	5.00				6.11	249	85	553
239+81.47	WOMAC RD	RT	35.00	74.00	24.00	2.75	5.00				13.33	86	29	191
253+82.00	AGGREGATE CE	LT	9.00	30.00	21.00	8.00		6.38		10.20		11	11	
266+73.00	AGGREGATE CE W/ mbt	RT	9.00	125.00	82.00	8.00		25.88		41.40		47	46	
291+10.00	AGGREGATE CE	LT	9.00	49.00	35.00	8.00		10.50		16.80		19	19	
293+89.29	SUMPTER RD (20500E)	LT	36.00	78.00	21.00	2.75	5.00				11.67	89	30	198
RURAL SUB-TOTAL								165	585	359	70	1252	645	1700

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USER NAME = Jonathan Cox	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	7
			CONTRACT NO. 72M78	
		ILLINOIS	FED. AID PROJECT	

LOCATION	DESCRIPTION	SIDE	FROM EOP	WIDTH		THICKNESS	TEMP RAMP LENGTH	20200100	35800100	40200100	40600990	40800029	40800050	40600982
				EARTH EXCAVATION	PREPARATION OF BASE			AGGREGATE SURFACE COURSE, TYPE A	TEMPORARY RAMP	BITUMINOUS MATERIALS (TACK COAT)	INCIDENTAL HMA SURFACING	HMA SURFACE REM - BUTT JOINT		
347+92.17	LEEFERS RD	RT	36.00	78.00	21.00	2.75	5.00				11.67	89	30	198
BRIDGE OMISSION STA 353+51.61 = STA 355+09.22														
359+27.00	HMA MBT	LT	7.00	64.00	20.00	2.75						15	5	
359+27.00	HMA PE	RT	7.00	38.00	24.00	2.75						11	4	
361+15.00	AGGREGATE PE	LT	7.00	38.00	24.00	3.50		24.11	4.22			11	5	
361+52.00	AGGREGATE MBT	RT	7.00	64.00	20.00	3.50		32.67	5.72			15	6	
374+90.00	AGGREGATE PE W/MBT	LT	7.00	78.00	64.00	3.50		55.22	9.66			25	11	
374+90.00	AGGREGATE PE	RT	7.00	38.00	24.00	3.50		24.11	4.22			11	5	
376+43.00	AGGREGATE CE	LT	9.00	49.00	35.00	8.00		10.50	16.80			19	19	
401+62.14	S. ATWATER RD (22500N)	LT	34.00	105.00	27.00	2.75	5.00				15.00	112	38	249
401+67.41	S. ATWATER RD (22500N)	RT	27.00	80.00	22.00	2.75	5.00				12.22	69	24	153
417+96.00	AGGREGATE PE W/ MBT	RT	7.00	78.00	64.00	3.50		55.22	9.66			25	11	
440+81.00	AGGREGATE PE W/ MBT	RT	7.00	78.00	64.00	3.50		55.22	9.66			25	11	
444+21.00	AGGREGATE CE	RT	9.00	49.00	35.00	8.00		10.50	16.80			19	19	
STA EQ STA 474+98.00 BK = STA 475+03.01 AH														
482+70.17	W. COUNTY LINE RD	LT	29.00	47.00	21.00	8.00	5.00	27.39			11.67	49	49	110
482+70.17	W. COUNTY LINE RD	RT	29.00	69.00	28.00	2.75	5.00				15.56	70	24	156
RURAL SUB-TOTAL								49	247	77	66	565	261	867
RURAL TOTAL								214	832	437	136	1817	906	2567
TOTAL								214	905	450	161	1989	968	2876

LOCATION	LENGTH (FOOT)	WIDTH (FOOT)	44000155		44000160	
			HMA SURF REM 1.50" YD	(SQ)	HMA SURF REM 2.75" (SQ YD)	
FAP 769 (IL 108)						
07+70.00 TO 13+33.60	563.60	24.00				1502.93
STA EQ STA 13+33.60 BK = STA 13+37.30 AH						
13+37.30 TO 21+00.00	762.70	24.00				2033.87
21+00.00 TO 25+44.97	444.97	26.00	1285.47			
STA EQ STA 25+44.97 BK = STA 25+83.58 AH						
25+83.58 TO 40+16.21	1432.63	26.00	4138.71			
STA EQ STA 40+16.21 BK = STA 39+17.53 AH						
39+17.53 TO 48+95.37	977.84	26.00	2824.87			
URBAN 5 TO 50K TOTAL						
			8249			3537
48+95.37 TO 73+00.00	2404.63	26.00	6946.71			
73+00.00 TO 83+92.00	1092.00	24.00				2912.00
83+30.00 TO 101+08.90	1778.90	26.00	5139.04			
101+08.90 TO 102+58.90	150.00	30.00	500.00			
102+58.90 TO 102+88.90	30.00	34.00	113.33			
BRIDGE OMISSION STA 102+88.90 = STA 105+92.16						
105+92.16 TO 106+21.16	29.00	34.00	109.56			
106+21.16 TO 107+65.16	144.00	30.00	480.00			
107+65.16 TO 118+50.00	1084.84	26.00	3133.98			
118+50.00 TO 129+00.00	1050.00	24.00				2800.00
129+00.00 TO 194+57.84	6557.84	26.00	18944.87			
STA EQ STA 194+57.84 BK = STA 194+98.40 AH						
194+98.40 TO 210+40.00	1541.60	26.00	4453.51			
210+40.00 TO 211+38.00	98.00	26.00	283.11			
211+38.00 TO 219+28.00	790.00	24.00				2106.67
219+28.00 TO 220+60.00	132.00	26.00	381.33			
220+60.00 TO 351+22.00	13062.00	26.00	37734.67			
351+22.00 TO 351+52.00	30.00	26.00	86.67			
351+52.00 TO 353+51.61	199.61	36.50	809.53			
BRIDGE OMISSION STA 353+51.61 = STA 355+09.22						
355+09.22 TO 358+20.00	310.78	36.50	1260.39			
358+20.00 TO 359+89.60	169.60	26.00	489.96			
359+89.60 TO 403+94.00	4404.40	26.00	12723.82			
403+94.00 TO 405+93.00	199.00	25.00				552.78
405+93.00 TO 475+98.00	7005.00	26.00	20236.67			
STA EQ STA 474+98.00 BK = STA 475+03.01 AH						
475+03.01 TO 483+25.00	821.99	26.00	2374.64			
RURAL TOTAL						
			116202			8371
TOTAL						
			124451			11908

LOCATION	LENGTH (FOOT)	WIDTH (FOOT)	48203100	48203023	X2020060	X4811900
			HMA SHOULDERS (TON)	HMA SHOULDERS, 6.5" (SQ YD)	EXCAVATING AND GRADING EXISTING SHOULDER (SP) (UNIT)	AGGREGATE SHOULDERS, TYPE B (SPECIAL) (TON)
FAP 769 (IL 108)						
09+16.00 TO 13+33.60	417.6	4.0	28.58	185.60	4.18	3' WIDTH 13.15
STA EQ STA 13+33.60 BK = STA 13+37.30 AH						
13+37.30 TO 15+66.00	228.7	4.0	15.65	101.64	2.29	7.20
URBAN 5 TO 50K TOTAL						
			44	287	6	20
51+00.00 TO 54+37.50	337.5	6.0	34.65	225.00	3.38	10.63
60+78.50 TO 64+53.50	375.0	4.0	25.67	166.67	3.75	11.81
62+47.00 TO 65+34.50	287.5	4.0	19.68	127.78	2.88	9.05
84+07.00 TO 87+19.50	312.5	4.0	21.39	138.89	3.13	9.84
84+26.00 TO 87+38.50	312.5	4.0	21.39	138.89	3.13	9.84
101+08.90 TO 102+88.90	180.0	4.0	12.32			
102+58.90 TO 102+88.90	30.0	4.0	2.05			
BRIDGE OMISSION STA 102+88.90 = STA 105+92.16						
105+92.16 TO 107+65.16	173.0	4.0	11.84			
105+92.16 TO 106+21.16	29.0	4.0	1.98			
110+17.50 TO 118+55.00	837.5	4.0	57.32	372.22	8.38	26.37
110+21.75 TO 113+84.25	362.5	4.0	24.81	161.11	3.63	11.41
114+20.00 TO 118+95.00	475.0	4.0	32.51	211.11	4.75	14.95
174+95.50 TO 179+08.00	412.5	4.0	28.23	183.33	4.13	12.99
175+62.00 TO 179+62.00	400.0	4.0	27.38	177.78	4.00	12.59
276+57.00 TO 279+50.00	293.0	5.0	25.07	162.78	2.93	9.22
277+75.00 TO 280+18.00	243.0	5.0	20.79	135.00	2.43	7.65
351+52.00 TO 353+51.61	199.6	3.0	10.25			
351+52.00 TO 353+51.61	199.6	7.5	25.62			
BRIDGE OMISSION STA 353+51.61 = STA 355+09.22						
355+09.22 TO 358+20.00	310.8	3.0	15.95			
355+09.22 TO 358+20.00	310.8	7.5	39.88			
RURAL TOTAL						
			459	2201	46	146
TOTAL						
			503	2488	52	166

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	8
ILLINOIS / FED. AID PROJECT			CONTRACT NO. 72M78	

REV. - MS

MODEL: Default
FILE: M:\110011\110011.dwg
PROJECT: 110011\110011.dwg
DATE: 3/22/2023

USER NAME = Jonathan.Cox	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

LOCATION	20800150 TRENCH BACKFILL (CU YD)	44200140 PAVEMENT PATCHING, TYPE 1, 12 INCH (SQ YD)	50105220 PIPE CULVERT REMOVAL (FOOT)	550A0050 STORM SEWER, CLASS A, TYPE 1 12" (FOOT)	60219200 MANHOLES, TYPE A, 4' DIAMETER TYPE 10 FRAME AND GRATE (EACH)	60221900 MANHOLES, TYPE A, 5' DIAMETER TYPE 10 FRAME AND GRATE (EACH)	60236700 INLETS, TYPE A, TYPE 10 FRAME AND GRATE (EACH)	60240305 INLETS, TYPE B, TYPE 10 FRAME AND GRATE (EACH)	60500040 REMOVING MANHOLES (EACH)
FAP 769 (IL 108)									
212+85.00, 13.50' RT							1		
212+85.00, 12.69' LT		11.00					1		
212+85.00 TO 215+10.00 RT	60.91			225					
212+85.00 TO 215+10.00 LT	73.28			225					
214+62.00 TO 215+10.00 RT			48						
214+92.00 TO 215+43.00 LT			51			SS			
215+10.00, 12.47' LT		2.50						1	
215+10.00, 13.63' RT		2.50						1	
215+10.00 TO 215+45.00 RT	10.02		35	35					1
215+10.00 TO 215+45.00 LT	10.02			35					
215+43.00 TO 215+80.00 LT			37						
215+45.00, 13.42' RT		2.50			1				1
215+45.00, 12.47' LT		2.50				1			1
215+10.00 TO 215+85.00 LT			150						
215+45.00 TO 217+70.00 RT	116.79			225					
215+45.00 TO 217+70.00 LT	116.79			225					
217+70.00, 13.30' RT		12.00					1		
217+70.00, 12.77' LT		12.00					1		
TOTAL	388	45	321	970	1	1	4	2	3

LOCATION	63000001 SPBGR TA, 6 FT POSTS (FOOT)	63000003 SPBGR TA, 9 FT POSTS (FOOT)	63100167 TRAF BAR TERM TYPE 1 (SP) TAN (EACH)	63200310 GUARDRAIL REMOVAL (FOOT)	72501000 TERMINAL MARKER - DIRECT APPLIED (EACH)	78200005 GUARDRAIL REFLECTORS, TYPE A (EACH)
FAP 769 (IL 108)						
09+29.25 TO 13+33.60 RT		379.4	1	315.0	1	4
09+60.00 TO 12+10.00 LT		200.0	2	254.0	2	4
12+27.00 TO 13+33.60 LT		81.6	1	106.6	1	2
STA EQ STA 13+33.60 BK = STA 13+37.30 AH						
13+37.30 TO 15+70.35 RT		208.1	1	233.1	1	3
13+37.30 TO 15+18.14 LT		155.9	1	180.9	1	2
URBAN 5 TO 50K TOTAL	0	1025	6	1090	6	15
51+00.00 TO 54+37.50 RT	287.5		2		2	4
60+78.50 TO 64+53.50 RT		325.0	2	368	2	4
62+47.00 TO 65+34.50 LT		237.5	2	281	2	4
84+07.00 TO 87+19.50 RT		262.5	2	304	2	4
84+26.00 TO 87+38.50 LT		262.5	2	305	2	4
110+17.50 TO 118+55.00 RT		787.5	2	837.5	2	7
110+21.75 TO 113+84.25 LT		312.5	2	362.5	2	5
114+20.00 TO 118+95.00 LT		425.0	2	475	2	6
174+95.50 TO 179+08.00 RT		362.5	2	412.5	2	5
175+62.00 TO 179+62.00 LT		350.0	2	400	2	5
RURAL TOTAL	287.5	3325.0	20.0	3745.5	20	48
TOTAL	287.5	4,350	26	4,835	26	63

LOCATION	LENGTH (FOOT)	SHORT TERM PAVEMENT MARKING (FOOT)	SHORT TERM PAVEMENT MARKING REMOVAL (SQ FT)
FAP 769 (IL 108)			
07+70.00 TO 13+33.60	563.60		18.79
STA EQ STA 13+33.60 BK = STA 13+37.30 AH			
13+37.30 TO 25+44.97	1207.67	120.77	40.26
STA EQ STA 25+44.97 BK = STA 25+83.58 AH			
25+83.58 TO 40+16.10	1432.52	143.25	47.75
STA EQ STA 40+16.21 BK = STA 39+17.53 AH			
39+17.53 TO 48+95.37	977.84	97.78	32.59
URBAN 5 TO 50K SUB-TOTAL AFTER MILLING		418	139
URBAN 5 TO 50K SUB-TOTAL AFTER BINDER		418	
URBAN 5 TO 50K SUB-TOTAL AFTER SURFACE		418	
URBAN 5 TO 50K TOTAL		1,254	
48+95.37 TO 102+88.90	5393.53	539.35	179.78
BRIDGE OMISSION STA 102+88.90 = STA 105+92.16			
105+92.16 TO 194+57.84	8865.68	886.57	295.52
STA EQ STA 194+57.84 BK = STA 194+98.40 AH			
194+98.40 TO 353+51.61	15853.21	1585.32	528.44
BRIDGE OMISSION STA 353+51.61 = STA 355+09.22			
355+09.22 TO 474+98.00	11988.78	1198.88	399.63
STA EQ STA 474+98.00 BK = STA 475+03.01 AH			
475+03.01 TO 483+25.00	821.99	82.20	27.40
RURAL SUB-TOTAL AFTER MILLING		4,292	1,431
RURAL SUB-TOTAL AFTER BINDER		4,292	
RURAL SUB-TOTAL AFTER SURFACE COURSE		4,292	
RURAL TOTAL		12,877	
TOTAL		14,131	1,570

LOCATION	AVERAGE THICK (INCHES)	LENGTH (FOOT)	WIDTH (FOOT)	AREA (CU YD)	48102100 AGGREGATE WEDGE SHOULDERS (TON)
FAP 769 (IL 108)					
20+00.00 TO 25+44.97 X2	2.125	545.0	3.0	21.45	34.31
STA EQ STA 25+44.97 BK = STA 25+83.58 AH					
25+83.58 TO 40+16.21 X2	2.125	1,432.6	3.0	56.38	90.20
STA EQ STA 40+16.21 BK = STA 39+17.53 AH					
39+17.53 TO 48+95.37	977.84	26.00	3.0	470.81	753.30
URBAN 5 TO 50K TOTAL					878
48+95.37 TO 73+00.00	2.13	26.00	3.0	1.02	1.64
83+30.00 TO 102+88.90 X2	2.125	1,958.9	3.0	77.09	123.34
BRIDGE OMISSION STA 102+88.90 = STA 105+92.16					
105+91.16 TO 117+00.00 X2	2.125	1,108.8	3.0	43.63	69.82
129+00.00 TO 194+57.84 X2	2.125	6,557.8	3.0	258.06	412.90
STA EQ STA 194+57.84 BK = STA 194+98.40 AH					
194+98.40 TO 211+38.00 X2	2.125	1,639.6	3.0	64.52	103.23
219+28.00 TO 353+51.61 X2	2.125	13,423.6	3.0	528.24	845.19
BRIDGE OMISSION STA 353+51.61 = STA 355+09.22					
355+09.22 TO 403+94.00 X2	2.125	4,884.8	3.0	192.23	307.56
403+94.00 TO 405+93.00 X1	2.125	199.0	3.0	3.92	6.26
405+93.00 TO 474+98.00 X2	2.125	6,905.0	3.0	271.72	434.76
STA EQ STA 474+98.00 BK = STA 475+03.01 AH					
475+03.01 TO 483+25.00	821.99	26.00	3.0	395.77	633.24
RURAL TOTAL					2938
TOTAL					3816

LOCATION	78100100 RAISED REFLECTIVE PAVEMENT MARKER (EACH)	78300200 RAISED REFLECTIVE PAVEMENT MARKING REMOVAL (EACH)
FAP 769 (IL 108)		
05+86.59 TO 13+33.60	9	9
STA EQ STA 13+33.60 BK = STA 13+37.30 AH		
13+37.30 TO 25+44.97	15	15
STA EQ STA 25+44.97 BK = STA 25+83.58 AH		
25+83.58 TO 40+16.21	18	18
STA EQ STA 40+16.21 BK = STA 39+17.53 AH		
39+17.53 TO 48+95.37	12	12
URBAN 5 TO 50K TOTAL	55	55
48+95.37 TO 194+57.84	182	182
STA EQ STA 194+57.84 BK = STA 194+98.40 AH		
194+98.40 TO 474+98.00	350	350
STA EQ STA 474+98.00 BK = STA 475+03.01 AH		
475+03.01 TO 483+25.00	10	10
RURAL TOTAL	542	542
TOTAL	597	597

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USER NAME = Jonathan Cox	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	9
				CONTRACT NO. 72M78
ILLINOIS FED. AID PROJECT				

LOCATION	LENGTH (FOOT)	78001120				78003101	78003181
		PAINT PAVEMENT MARKING 5" (FOOT)				PREFORMED PLASTIC PAVEMENT MARKING, TYPE B STANDARD LETTERS AND SYMBOLS (SQ FT)	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B STANDARD 24" (FOOT)
		EDGELINE	CENTERLINE		YELLOW	"R & X" MARKINGS	STOP BAR
FAP 769 (IL 108)		WHITE SOLID	YELLOW SKIP DASH	YELLOW SOLID	YELLOW DOUBLE SOLID		
07+70.00 TO 13+33.60	563.60	1127.20	281.80	563.60			
STA EQ STA 13+33.60 BK = STA 13+37.30 AH							
13+37.30 TO 16+50.00	312.70	625.40	156.35	312.70			
16+50.00 TO 25+44.97	894.97	1789.94		1789.94			
STA EQ STA 25+44.97 BK = STA 25+83.58 AH							
25+83.58 TO 37+50.00	1166.42	2332.84		2332.84			
37+50.00 TO 40+16.21	266.21	532.42	133.11	266.21			
STA EQ STA 40+16.21 BK = STA 39+17.53 AH							
39+17.53 TO 47+00.00	782.47	1564.94	391.24	782.47			
47+00.00 TO 48+95.37	195.37	390.74	97.68	195.37			
URBAN 5 TO 50K TOTAL		8363	1060	2120	4123		
				15667			
48+95.37 TO 61+00.00	1204.63	2409.26	602.32				
61+00.00 TO 72+50.00	1150.00	2300.00	575.00	1150.00			
72+50.00 TO 75+00.00	250.00	500.00			500.00		
75+00.00 TO 83+50.00	850.00	1700.00	425.00	850.00			
83+50.00 TO 118+00.00	3450.00	6900.00	1725.00				
118+00.00 TO 139+50.00	2150.00	4300.00	1075.00	2150.00			
139+50.00 TO 160+50.00	2100.00	4200.00	1050.00				
160+50.00 TO 178+00.00	1750.00	3500.00	875.00	1750.00			
178+00.00 TO 180+00.00	200.00	400.00			400.00		
180+00.00 TO 194+57.84	1457.84	2915.68	728.92	1457.84			
STA EQ STA 194+57.84 BK = STA 194+98.40 AH							
194+98.40 TO 211+00.00	1601.60	3203.20	800.80	1601.60			
211+00.00 TO 220+00.00	900.00	1800.00			1800.00		
220+00.00 TO 231+50.00	1150.00	2300.00	575.00	1150.00			
231+50.00 TO 285+50.00	5400.00	10800.00	2700.00				
285+50.00 TO 306+50.00	2100.00	4200.00	1050.00	2100.00			
306+50.00 TO 313+50.00	700.00	1400.00	350.00				
313+50.00 TO 322+00.00	850.00	1700.00	425.00	850.00			
322+00.00 TO 324+50.00	250.00	500.00	125.00				
324+50.00 TO 331+50.00	700.00	1400.00	350.00	700.00			
331+50.00 TO 337+50.00	600.00	1200.00	300.00				
337+50.00 TO 347+00.00	950.00	1900.00	475.00	950.00			
347+00.00 TO 348+50.00	150.00	300.00			300.00		
348+50.00 TO 376+00.00	2750.00	5500.00	1375.00	2750.00			
376+00.00 TO 474+98.00	9898.00	19796.00	4949.00				
STA EQ STA 474+98.00 BK = STA 475+03.01 AH							
475+03.01 TO 476+50.00	146.99	293.98	73.49				
476+50.00 TO 482+00.00	550.00	1100.00	275.00	550.00			
482+00.00 TO 483+25.00	125.00	250.00			250.00		
RR PAVEMENT MARKING							
481+87.00 RT						13	
482+12.00 RT					61.2		
482+36.00 RT						13	
RURAL TOTAL		86768	20880	18009	3250		
TOTAL		95132	21940	20130	7373	61	26
				144574			
				160241			

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USER NAME = Jonathan.Cox	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	10
CONTRACT NO. 72M78				
ILLINOIS FED. AID PROJECT				

D672M78 Benchmarks					
Benchmark Number	NAVD 88 Datum Elevation in Feet	Description	Station	Offset	Chain
BM 18	648.650	set chsld [] center W hdwl culvert under pe N side IL108	470+56.73	-33.02	IL108C
BM 19	643.102	set chsld [] SW corner drop box S of S hdwl culvert under IL108	461+15.04	25.14	IL108C
BM 20	642.306	set chsld [] SW corner W hdwl culvert under fe S side IL108	446+33.66	32.06	IL108C
BM 21	639.984	set chsld [] center S hdwl culvert under IL108	434+05.13	23.76	IL108C
BM 22	641.751	set chsld [] center N hdwl culvert under IL108	427+00.87	-24.11	IL108C
BM 23	641.988	set chsld [] S side foundation grain bin N side IL108	411+45.53	-52.59	IL108C
BM 24	638.886	set chsld [] top coarse hdwl 2.0ft W of center of box NW quad IL108 & Atwater Rd	401+02.17	-20.15	IL108C
BM 25	639.729	set chsld [] NE corner of coarse hdwl S side IL108	394+64.81	20.43	IL108C
BM 26	641.842	set chsld [] on coarse hdwl 1.0ft E of center of box (chsld arrow on face of marking location) S side of IL108	381+58.17	20.63	IL108C
BM 27	641.296	set chsld [] top of box just S of hdwl N side IL108	372+32.90	-19.34	IL108C
C102 RESET	622.567	found disc at the SW abut bridge str # 059-0057	353+82.57	23.08	IL108C
BM 28	636.535	set chsld [] center E hdwl culvert under Liefers Rd N side IL108	348+34.30	-26.56	IL108C
BM 29	634.491	set chsld [] on hdwl for ditch check N side IL108	319+99.63	-25.60	IL108C
BM 30	631.405	set chsld [] on hdwl for ditch check S side IL108	307+09.80	27.68	IL108C
BM 31	618.644	set chsld [] W end S hdwl culvert under IL108	285+02.71	29.77	IL108C
BM 32	616.616	set chsld [] W end S hdwl cuvert under IL108 str # 059-2008	278+23.23	27.08	IL108C
BM 33	634.934	set chsld [] center W hdwl culvert under fe N side IL108 & across from Armour Farms	266+67.93	-23.13	IL108C
BM 34	639.266	set chsld [] center N hdwl culvert under IL108 NW quad w/ Standard City Rd	239+50.88	-62.69	IL108C
BM 35	636.771	set chsld [] top hdwl for ditch check N side IL108	228+03.84	-28.57	IL108C
BM 36	633.790	found railroad spike in powerpole S side IL108	219+32.79	40.02	IL108C
BM 37	634.319	set chsld [] NE abut railroad viaduct	215+42.15	-20.07	IL108C
BM 38	632.225	found railroad spike in powerpole S side IL108	208+97.19	40.82	IL108C
BM 39	630.757	set chsld [] center N hdwl culvert under IL108 & at Macoupin County 20.0 mile marker sign	206+67.98	-23.57	IL108C
BM 40	630.779	set chsld on top of box just S of hdwl buried 3" N side IL108	197+94.38	-19.79	IL108C
BM 41	628.495	set chsld [] S end of E hdwl culvert under pe N side IL108	185+42.72	-22.93	IL108D
BM 42	601.891	set chsld [] W end of S hdwl cuvert str # 059-2005 under IL108	177+24.73	30.94	IL108D

D672M78 Benchmarks					
Benchmark Number	NAVD 88 Datum Elevation in Feet	Description	Station	Offset	Chain
BM 43	629.313	set chsld [] top of box just S of hdwl buried 12" N side IL108	160+07.00	-20.00	IL108D
BM 44	631.123	set chsld [] center W hdwl culvert under fe N side IL108	153+79.70	-34.63	IL108D
BM 45	636.688	found railroad spike in powerpole SE quad w/ Lindhurst Rd	141+24.34	40.74	IL108D
BM 46	631.026	set railroad spike in guy pole N side IL108 & 150ft W of Burke Ln	128+71.30	-46.66	IL108D
BM 47	579.142	set chsld [] NE abut bridge str # 059-0509 over Maccupin Creek	106+00.39	-20.15	IL108D
BM 48	579.132	found IDOT alum disc in SW abut bridge str # 059-0509 over Macoupin Creek	102+81.54	20.19	IL108D
BM BD 7	580.590	found railroad spike in powerpole S side IL108	101+56.68	55.15	IL108D
BM 49	579.850	found railroad spike in powerpole S side IL108	96+92.00	41.95	IL108D
BM 50	573.321	set chsld [] center N hdwl culvert under IL108	93+99.90	-25.02	IL108D
BM BD 6	584.562	found chsld [] center N hdwl culvert under IL108	81+52.01	-19.77	IL108D
BM 51	603.485	set chsld [] E end N hdwl culvert under IL108	61+49.52	-36.03	IL108D
BM 52	623.806	set chsld [] S edge foundation for light pole E side Carlinville Family Practice Center & N side IL108	43+06.30	-73.37	IL108D
BM BD 3	622.208	found chsld [] center W hfdwl culvert under fe & NE cor of Golf Course, S side IL108	36+62.62	32.43	IL108E
BM 53	623.485	set chsld x N bolt fire hyd at NE corner Golf Course, S side IL108	36+30.93	47.87	IL108E
BM 54	618.906	set chsld [] top conc pavement at tip of median on Eastland Ct N side IL108	28+49.34	-48.73	IL108E
BM 55	621.776	set chsld x E bolt fire hyd on N of IL108 in Eastland Court Subdivision	28+14.37	-191.15	IL108E
BM BD 2	613.091	found chsld [] W end N hdwl culvert under IL108	20+94.43	-25.30	IL108F
BM 91	604.181	found railroad spike in light pole SW quad IL108 & IL4	5+38.91	42.10	IL108G
BM 56	622.160	set chsld [] corner retaining wall N side IL108 & at SW corner Shell Gas Station lot E side of Carlinville	126+54.57	-27.29	IL108H

D672M78 Control Points						
Control Point Number	Northing	Easting	Description	Station	Offset	Chain
	NAD83/2007adj					
30000	950439.046	2387043.550	Traverse Station - Rebar with IDOT cap	72+83.07	-38.831	IL108D
30001	950871.993	2393792.356	Traverse Station - Rebar with IDOT cap	140+45.79	24.684	IL108D
30002	951288.534	2400962.530	Traverse Station - Rebar with IDOT cap	212+71.49	26.518	IL108C
30003	951489.411	2409089.553	Traverse Station - Rebar with IDOT cap	294+00.99	31.744	IL108C
30004	951673.216	2416639.120	Traverse Station - Rebar with IDOT cap	369+52.79	39.397	IL108C
30005	951823.015	2422476.000	Traverse Station - Rebar with IDOT cap	427+91.60	37.625	IL108C
40002	951358.263	2401548.938	Traverse Station - Rebar with IDOT cap	218+59.48	-28.322	IL108C

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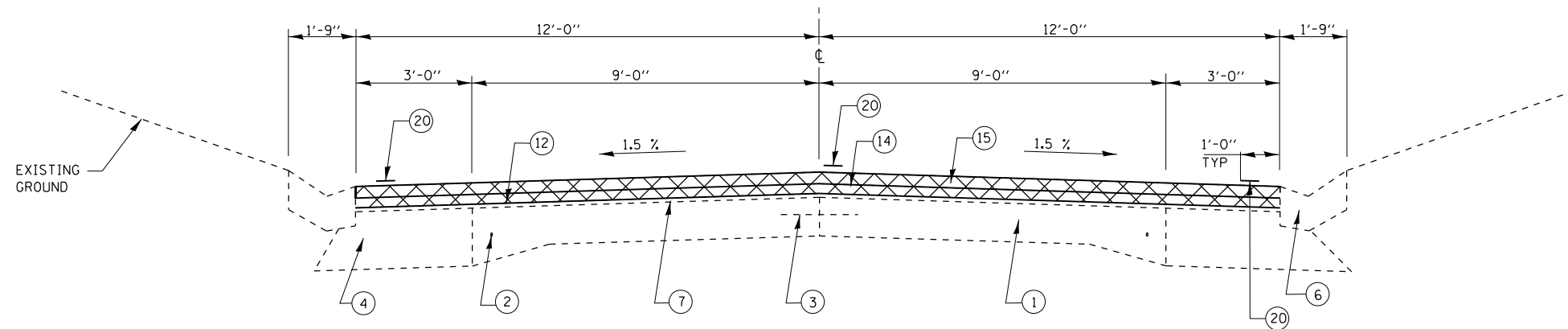
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONTROL POINTS &
BENCHMARKS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72M78			ILLINOIS FED. AID PROJECT	

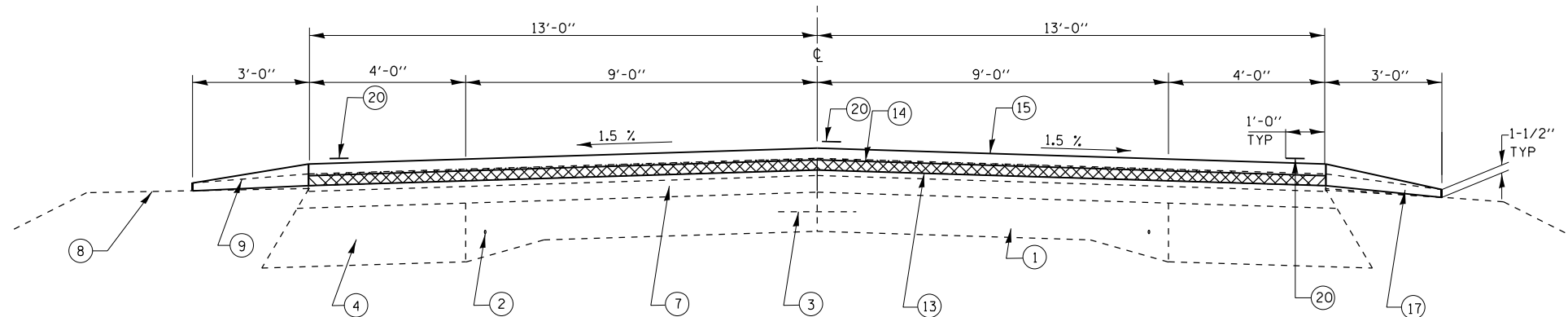


TYPICAL SECTION #1

STA. 7+70 TO STA. 13+34.10
 STA. EQ. STA.13+34.10 BK. = STA.13+35.30 AH.
 STA. 13+35.30 TO STA. 20+00
 STA. 73+00 TO STA. 83+30
 STA. 117+00 TO STA. 129+00

LEGEND FOR TYPICAL SECTIONS

- ① EXISTING PCC PAVEMENT (9" - 6" - 9")
- ② EXISTING 3/4 " SMOOTH BAR
- ③ EXISTING 1/2 " TIE BAR
- ④ EXISTING BITUMINOUS WIDENING 9"
- ⑤ EXISTING BITUMINOUS CONCRETE BASE COURSE (9")
- ⑥ EXISTING CONCRETE GUTTER TYPE B
- ⑦ EXISTING BITUMINOUS CONCRETE OVERLAY (3" & VARIES)
- ⑧ EXISTING EARTH SHOULDER
- ⑨ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑩ EXISTING BITUMINOUS SHOULDERS (6" & VARIES)
- ⑪ EXISTING BITUMINOUS SHOULDER 3"
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2.75"
- ⑬ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1.50"
- ⑭ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50 (1.25")
- ⑮ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1.50")
- ⑯ PROPOSED HOT-MIX ASPHALT SHOULDERS
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED CONCRETE GUTTER, TYPE B
- ⑲ PROPOSED PIPE UNDERDRAINS, TYPE 1 4"
- ⑳ PROPOSED PAINT PAVEMENT MARKING LINE 5"



TYPICAL SECTION #2

STA. 20+00 TO STA. 25+44.70
 STA. EQ. STA. 25+44.70 BK. = STA. 25+81.10 AH.
 STA. 25+81.10 TO STA. 40+16.10
 STA. EQ. STA. 40+16.10 BK. = STA. 39+05.90 AH.
 STA. 39+05.90 TO STA. 73+00
 STA. 83+30 TO STA. 101+53
 STA. 107+12.70 TO STA. 117+00
 STA. 129+00 TO STA. 194+69
 STA. EQ. STA. 194+69.00 BK. = STA. 194+98.40 AH.
 STA. 194+98.40 TO STA. 210+40
 STA. 220+60 TO STA. 351+22
 STA. 359+89.60 TO STA. 403+94
 STA. 405+93 TO STA. 474+98.00
 STA EQ STA 474+98.00 BK = STA 475+03.01 AH
 STA. 475+03.01 TO STA. 483+25

NOTES:
 PR HMA SHOULDERS 6.5", HMA SHOULDERS, AND GUARDRAIL
 STA 51+36.58 TO STA 53+86.58 RT

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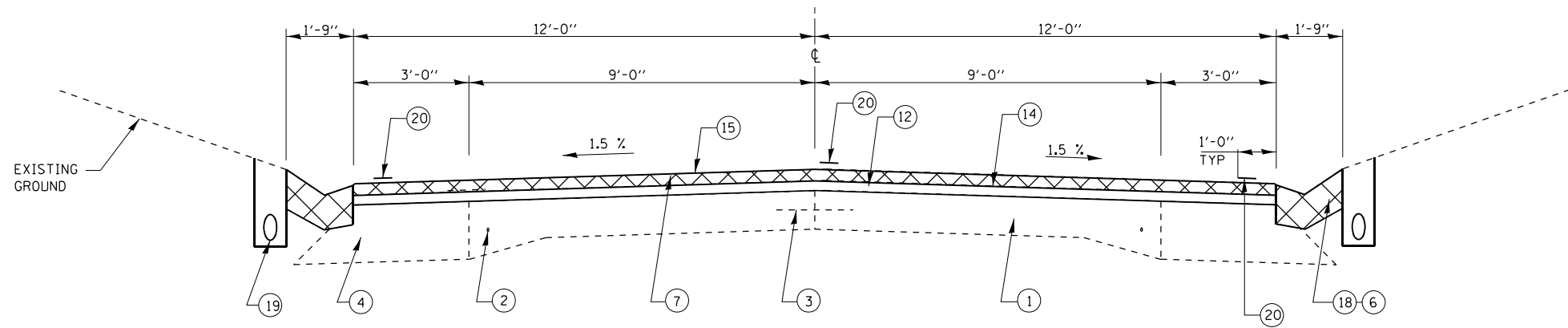
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 72M78	
		ILLINOIS FED. AID PROJECT		

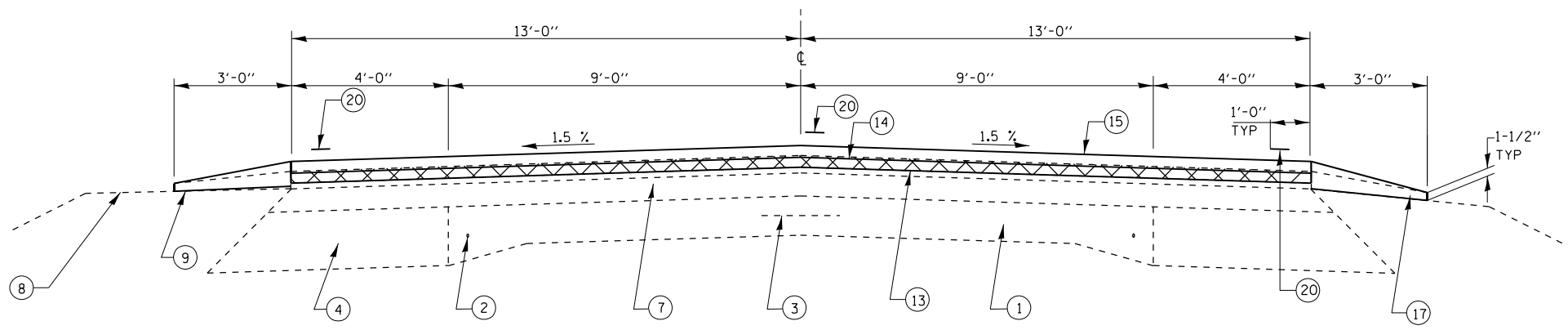


TYPICAL SECTION #4

STA. 211+38 TO STA. 219+28

LEGEND FOR TYPICAL SECTIONS

- ① EXISTING PCC PAVEMENT (9" - 6" - 9")
- ② EXISTING 3/4 " SMOOTH BAR
- ③ EXISTING 1/2 " TIE BAR
- ④ EXISTING BITUMINOUS WIDENING 9"
- ⑤ EXISTING BITUMINOUS CONCRETE BASE COURSE (9")
- ⑥ EXISTING CONCRETE GUTTER TYPE B
- ⑦ EXISTING BITUMINOUS CONCRETE OVERLAY (3" & VARIES)
- ⑧ EXISTING EARTH SHOULDER
- ⑨ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑩ EXISTING BITUMINOUS SHOULDERS (6" & VARIES)
- ⑪ EXISTING BITUMINOUS SHOULDER 3"
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2.75"
- ⑬ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1.50"
- ⑭ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50 (1.25")
- ⑮ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1.50")
- ⑯ PROPOSED HOT-MIX ASPHALT SHOULDERS
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED CONCRETE GUTTER, TYPE B
- ⑲ PROPOSED PIPE UNDERDRAINS, TYPE 1 4"
- ⑳ PROPOSED PAINT PAVEMENT MARKING LINE 5"



TYPICAL SECTION #3

STA. 210+40 TO STA. 211+38
STA. 219+28 TO STA. 220+60

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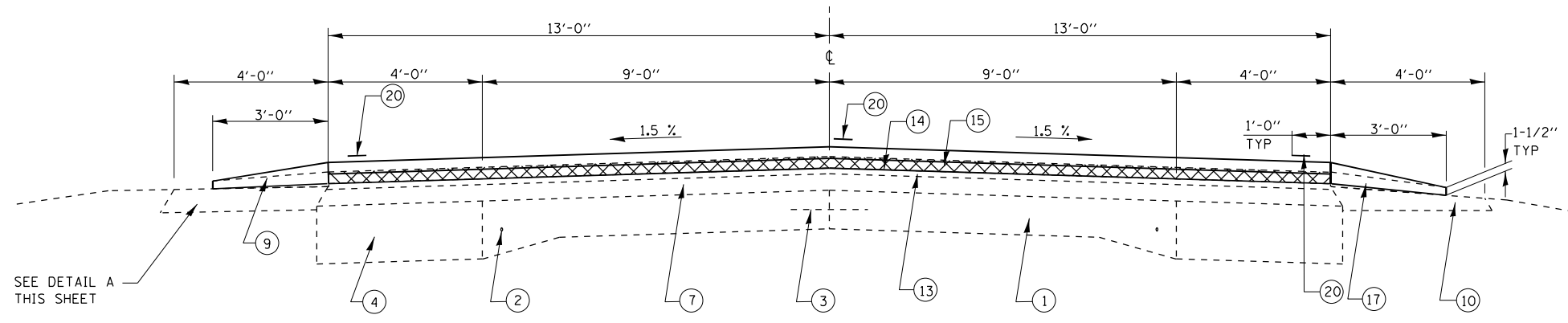
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

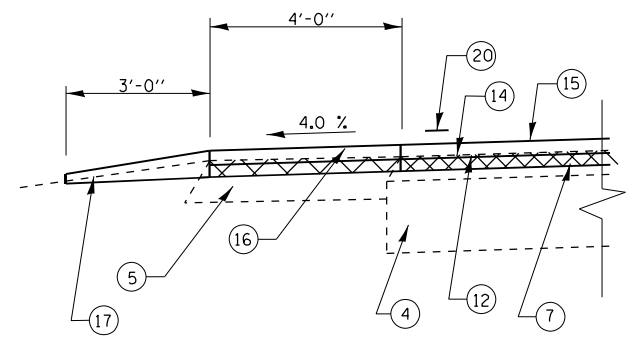
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			CONTRACT NO. 72M78	
		ILLINOIS	FED. AID PROJECT	



TYPICAL SECTION #5

STA. 101+53 TO STA. 102+88.90
 BRIDGE OMISSION STA. 102+88.90 TO STA. 105+92.16
 STA. 105+91.16 TO STA. 107+12.70



DETAIL A

RT. STA. 101+08.90 TO STA. 102+88.90
 LT. STA. 102+58.90 TO STA. 102+88.90
 RT. STA. 105+92.16 TO STA. 107+65.16
 LT. STA. 105+92.16 TO STA. 106+21.16

LEGEND FOR TYPICAL SECTIONS

- ① EXISTING PCC PAVEMENT (9" - 6" - 9")
- ② EXISTING 3/4 " SMOOTH BAR
- ③ EXISTING 1/2 " TIE BAR
- ④ EXISTING BITUMINOUS WIDENING 9"
- ⑤ EXISTING BITUMINOUS CONCRETE BASE COURSE (9")
- ⑥ EXISTING CONCRETE GUTTER TYPE B
- ⑦ EXISTING BITUMINOUS CONCRETE OVERLAY (3" & VARIES)
- ⑧ EXISTING EARTH SHOULDER
- ⑨ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑩ EXISTING BITUMINOUS SHOULDERS (6" & VARIES)
- ⑪ EXISTING BITUMINOUS SHOULDER 3"
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2.75"
- ⑬ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1.50"
- ⑭ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50 (1.25")
- ⑮ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5.MIX "C", N50 (1.50")
- ⑯ PROPOSED HOT-MIX ASPHALT SHOULDERS
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED CONCRETE GUTTER, TYPE B
- ⑲ PROPOSED PIPE UNDERDRAINS, TYPE 1 4"
- ⑳ PROPOSED PAINT PAVEMENT MARKING LINE 5"

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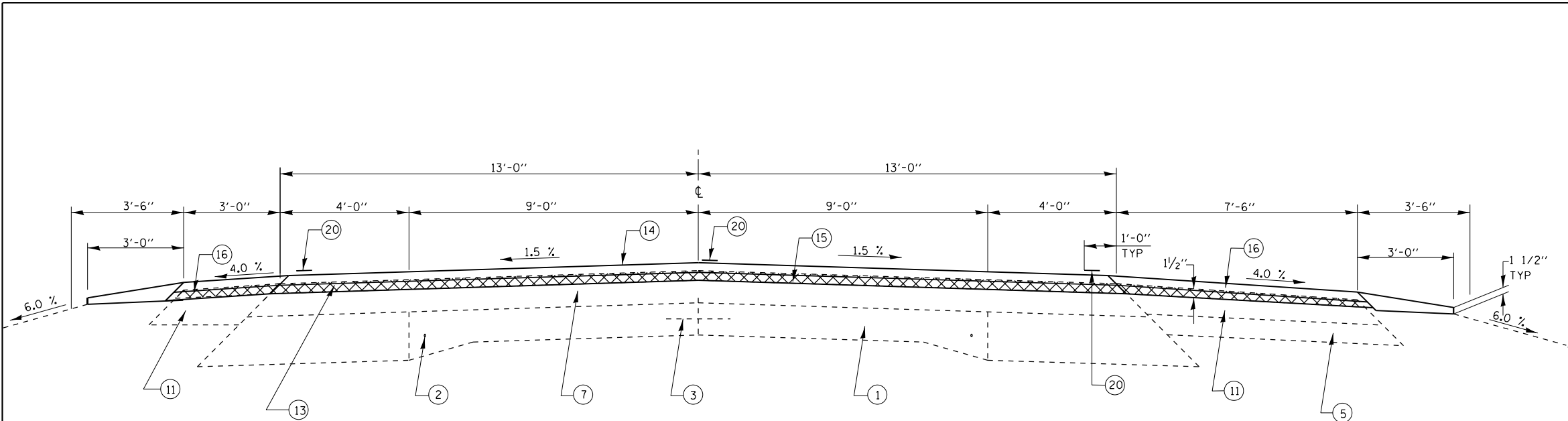
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

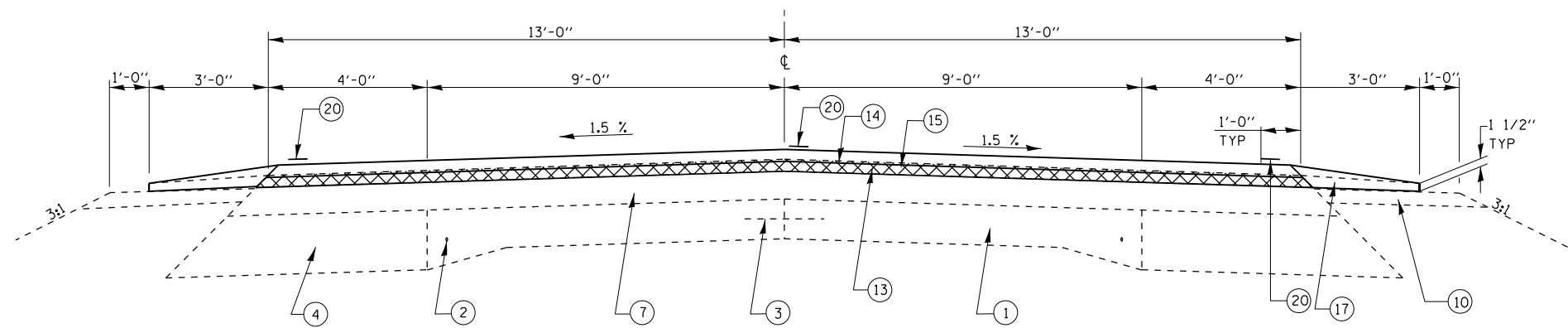
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 72M78	
		ILLINOIS FED. AID PROJECT		



TYPICAL SECTION #7

STA. 351+52 TO STA. 353+51.61
 BRIDGE OMISSION STA. 353+51.61 TO STA. 355+09.22
 STA. 355+09.22 TO STA. 358+20



TYPICAL SECTION #6

STA. 351+22 TO STA. 351+52
 STA. 358+20 TO STA. 359+89.60

LEGEND FOR TYPICAL SECTIONS

- ① EXISTING PCC PAVEMENT (9" - 6" - 9")
- ② EXISTING 3/4 " SMOOTH BAR
- ③ EXISTING 1/2 " TIE BAR
- ④ EXISTING BITUMINOUS WIDENING 9"
- ⑤ EXISTING BITUMINOUS CONCRETE BASE COURSE (9")
- ⑥ EXISTING CONCRETE GUTTER TYPE B
- ⑦ EXISTING BITUMINOUS CONCRETE OVERLAY (3" & VARIES)
- ⑧ EXISTING EARTH SHOULDER
- ⑨ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑩ EXISTING BITUMINOUS SHOULDERS (6" & VARIES)
- ⑪ EXISTING BITUMINOUS SHOULDER 3"
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2.75"
- ⑬ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1.50"
- ⑭ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50 (1.25")
- ⑮ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50 (1.50")
- ⑯ PROPOSED HOT-MIX ASPHALT SHOULDERS
- ⑰ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑱ PROPOSED CONCRETE GUTTER, TYPE B
- ⑲ PROPOSED PIPE UNDERDRAINS, TYPE 1 4"
- ⑳ PROPOSED PAINT PAVEMENT MARKING LINE 5"

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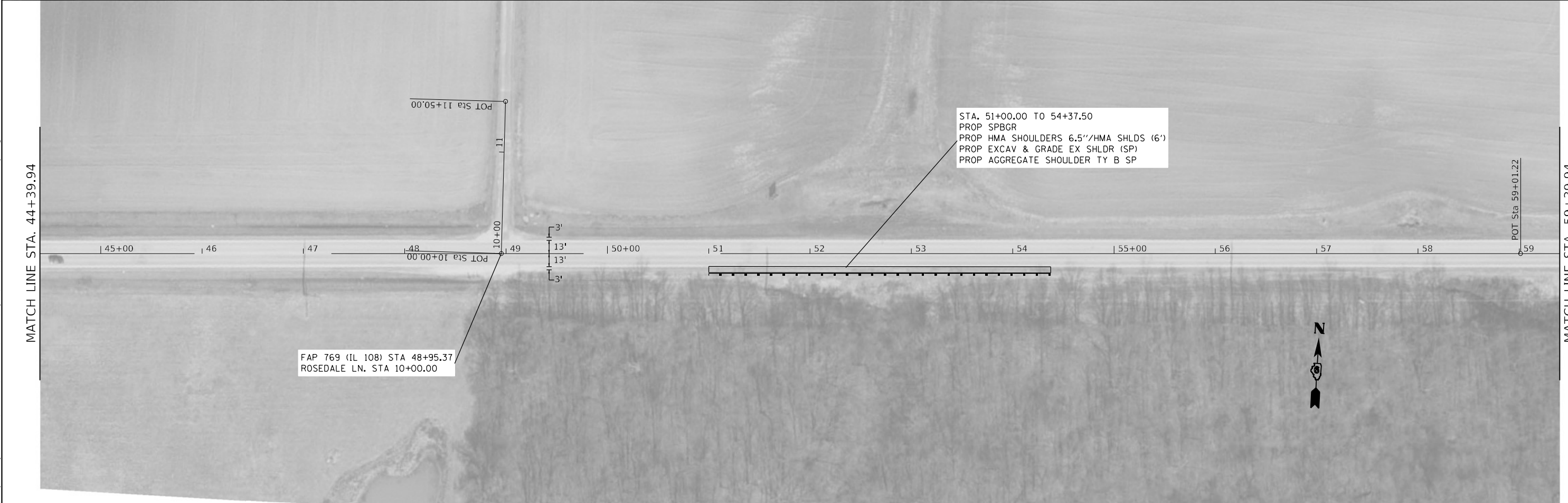
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 72M78	
			ILLINOIS FED. AID PROJECT	



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 108 -PLAN SHEETS			
SCALE:	SHEET 2	OF 17 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	18
CONTRACT NO. 72M78			ILLINOIS FED. AID PROJECT	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 108 -PLAN SHEETS

SCALE: SHEET 3 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	19
CONTRACT NO. 72M78			ILLINOIS FED. AID PROJECT	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 108 -PLAN SHEETS

SCALE: SHEET 6 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	22
CONTRACT NO. 72M78			ILLINOIS FED. AID PROJECT	



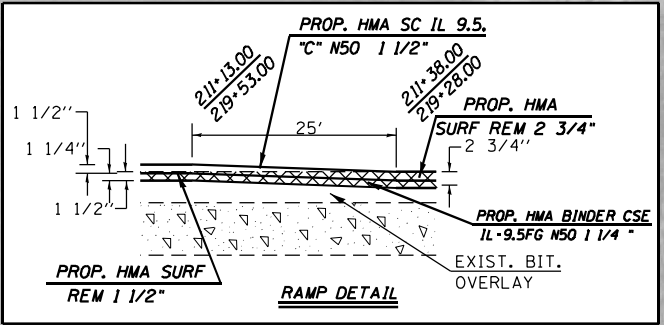
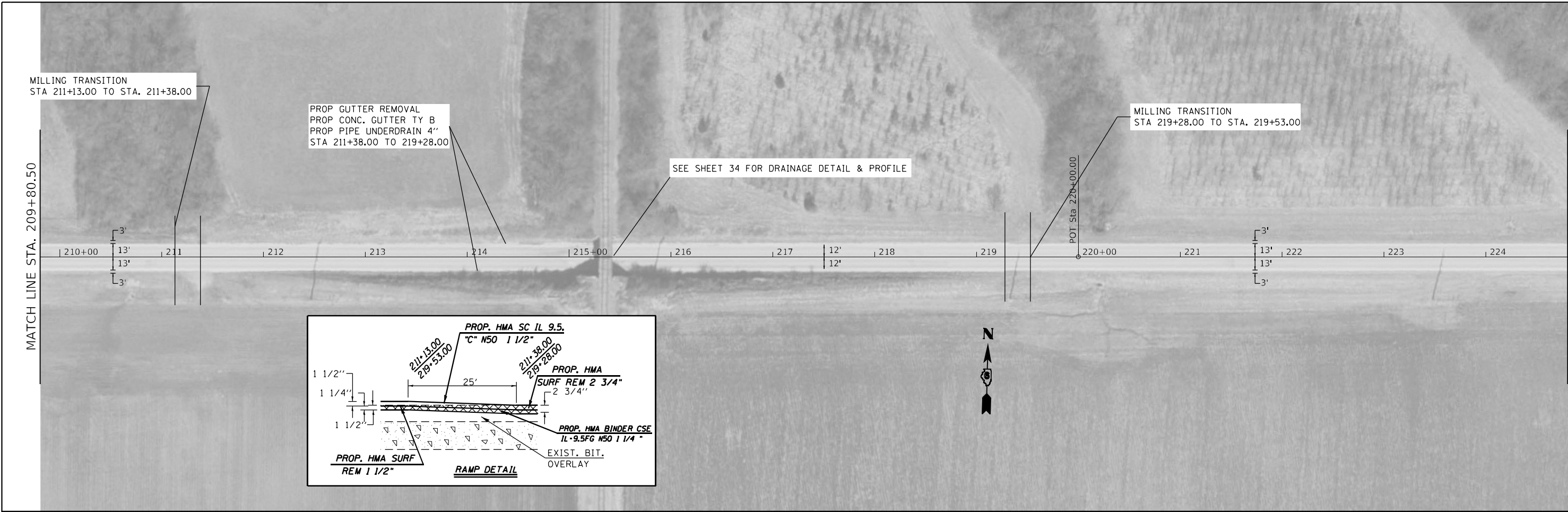
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 108 -PLAN SHEETS			
SCALE:	SHEET 7	OF 17 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	23
			CONTRACT NO. 72M78	
ILLINOIS FED. AID PROJECT				



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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/22/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 108 -PLAN SHEETS			
SCALE:	SHEET 8	OF 17 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	24
CONTRACT NO. 72M78			ILLINOIS FED. AID PROJECT	



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FAP 769 (IL 108) STA 239+81.47
 STANDARD CITY RD. STA 10+00.00
 WOMAC RD. STA 10+00.00

USER NAME = Jonathan.Cox	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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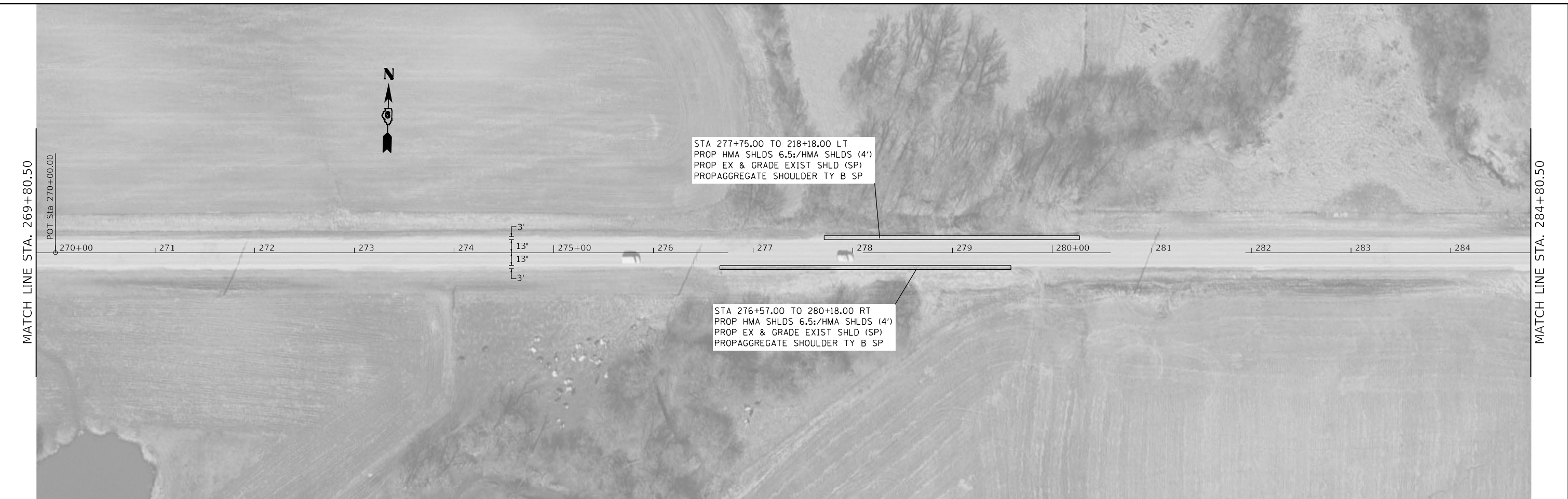
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 108 -PLAN SHEETS

SCALE: SHEET 9 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	25
CONTRACT NO. 72M78				
ILLINOIS FED. AID PROJECT				

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 108 -PLAN SHEETS			
SCALE:	SHEET 10 OF 17 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	26
CONTRACT NO. 72M78			ILLINOIS FED. AID PROJECT	

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MATCH LINE STA. 299+80.50



MATCH LINE STA. 314+80.50

MATCH LINE STA. 314+80.50



MATCH LINE STA. 329+80.50

USER NAME = Jonathan.Cox	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 108 -PLAN SHEETS

SCALE: SHEET 11 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	27
CONTRACT NO. 72M78			ILLINOIS FED. AID PROJECT	

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MATCH LINE STA. 329+80.50

MATCH LINE STA. 344+80.50

MATCH LINE STA. 344+80.50

MATCH LINE STA. 359+80.50

USER NAME = jonathan.Cox	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

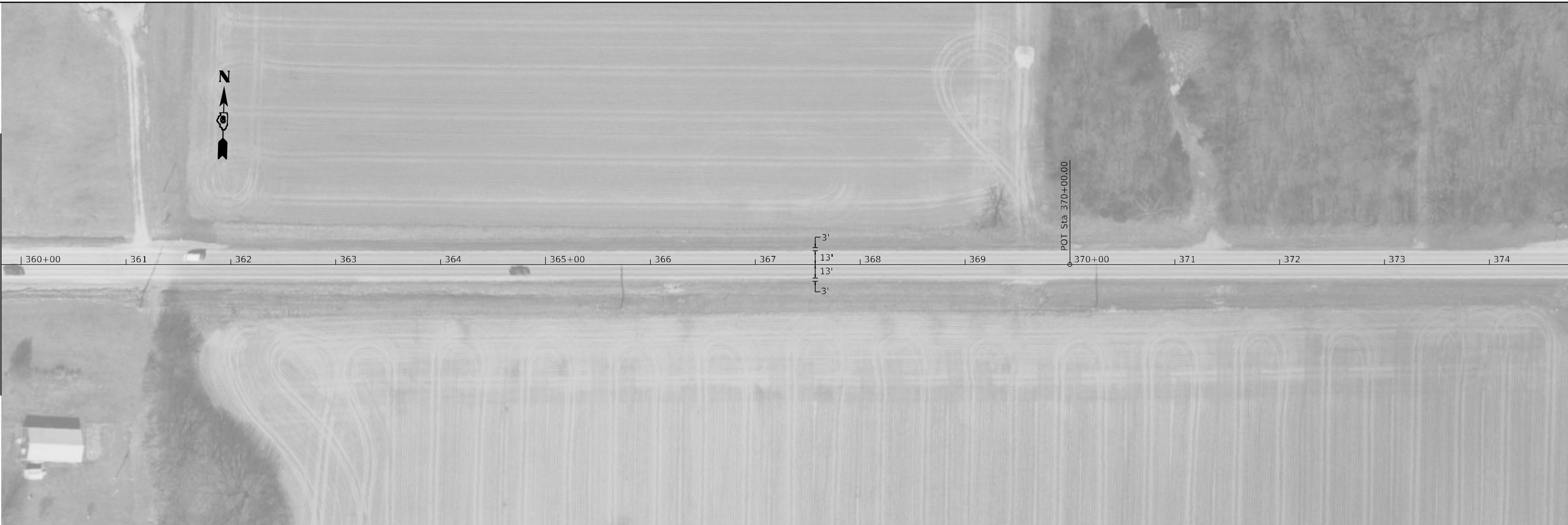
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 108 -PLAN SHEETS			
SCALE:	SHEET 12	OF 17 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	28
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72M78	

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MATCH LINE STA. 359+80.50



MATCH LINE STA. 374+80.50

MATCH LINE STA. 374+80.50



MATCH LINE STA. 389+80.50

USER NAME = Jonathan.Cox	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

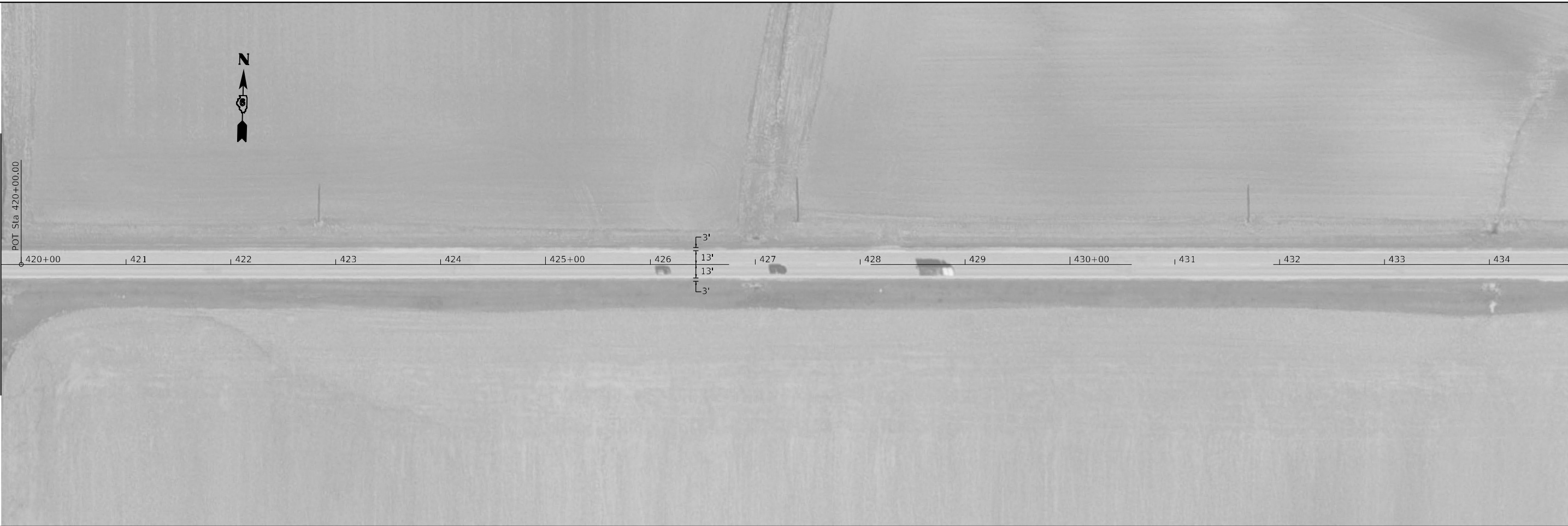
IL 108 -PLAN SHEETS

SCALE: SHEET 13 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	29
			CONTRACT NO. 72M78	
ILLINOIS FED. AID PROJECT				

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MATCH LINE STA. 419+80.50



MATCH LINE STA. 434+80.50

MATCH LINE STA. 434+80.50



MATCH LINE STA. 449+80.50

USER NAME = Jonathan.Cox	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 108 -PLAN SHEETS

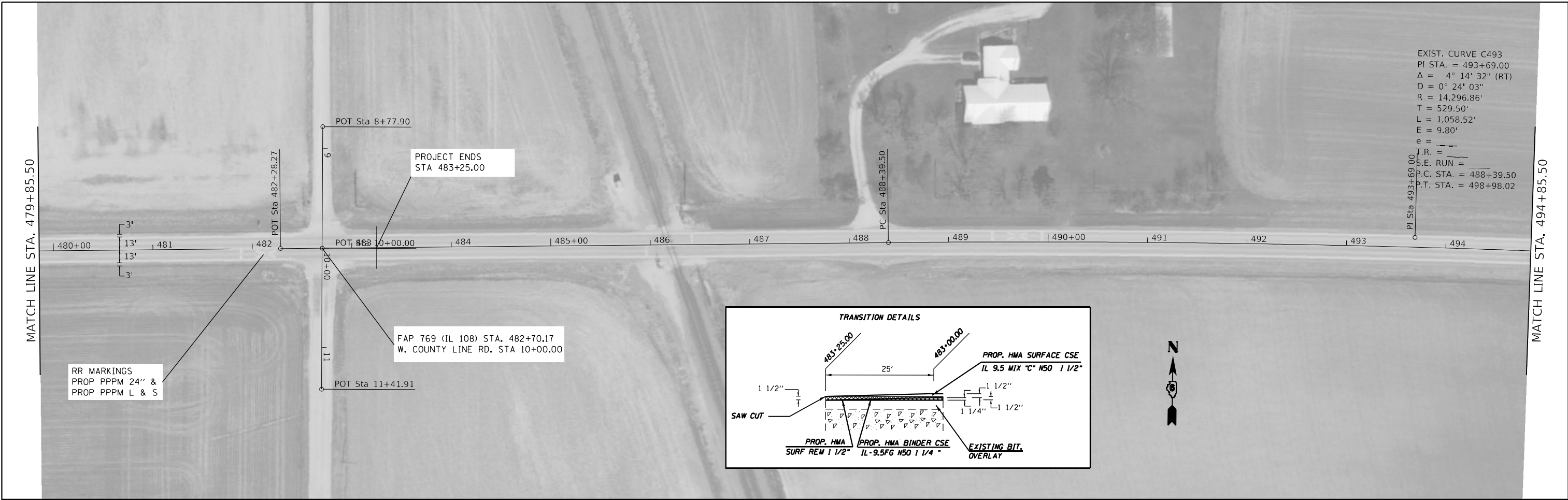
SCALE: SHEET 15 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	31
CONTRACT NO. 72M78				
ILLINOIS FED. AID PROJECT				

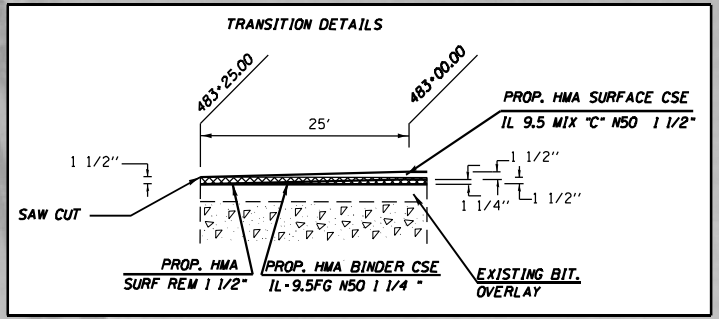
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	DRAWN -	REVISED -				769	(110) RS-6, (111) RS-5	MACOUPIN	39	32
CHECKED - DATE -	REVISIONS REVISIONS REVISIONS REVISIONS	REVISIONS REVISIONS REVISIONS REVISIONS	SCALE:	SHEET 16 OF 17 SHEETS	STA. TO STA.	CONTRACT NO. 72M78 ILLINOIS FED. AID PROJECT				



EXIST. CURVE C493
 PI STA. = 493+69.00
 $\Delta = 4^\circ 14' 32''$ (RT)
 $D = 0^\circ 24' 03''$
 $R = 14,296.86'$
 $T = 529.50'$
 $L = 1,058.52'$
 $E = 9.80'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 488+39.50
 P.T. STA. = 498+98.02



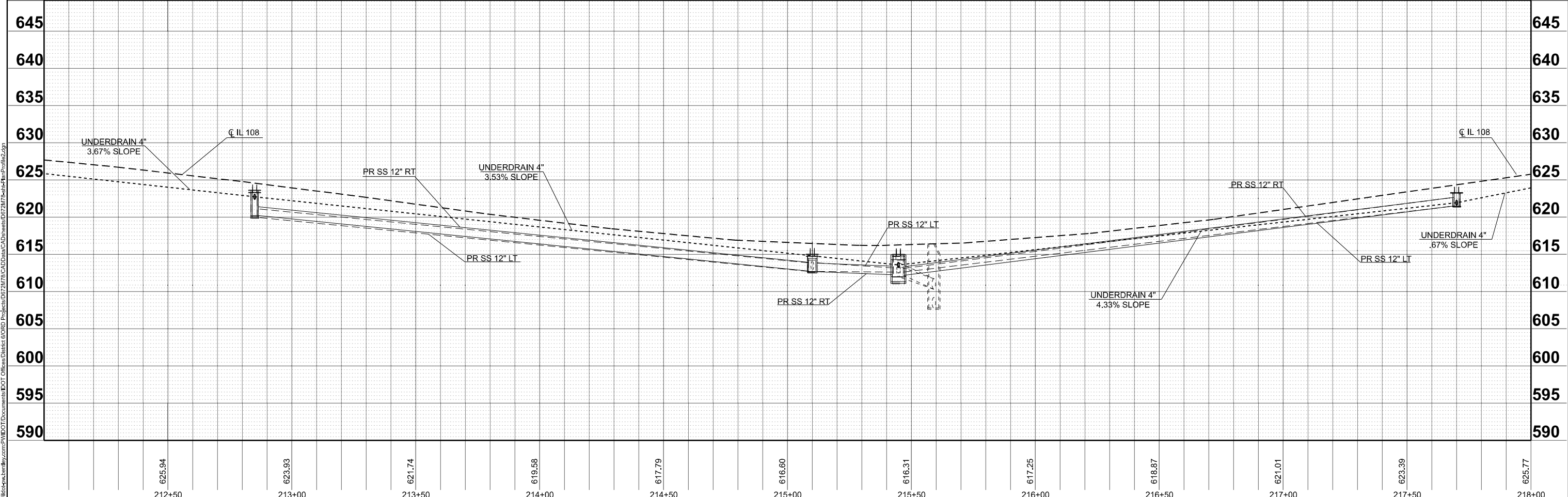
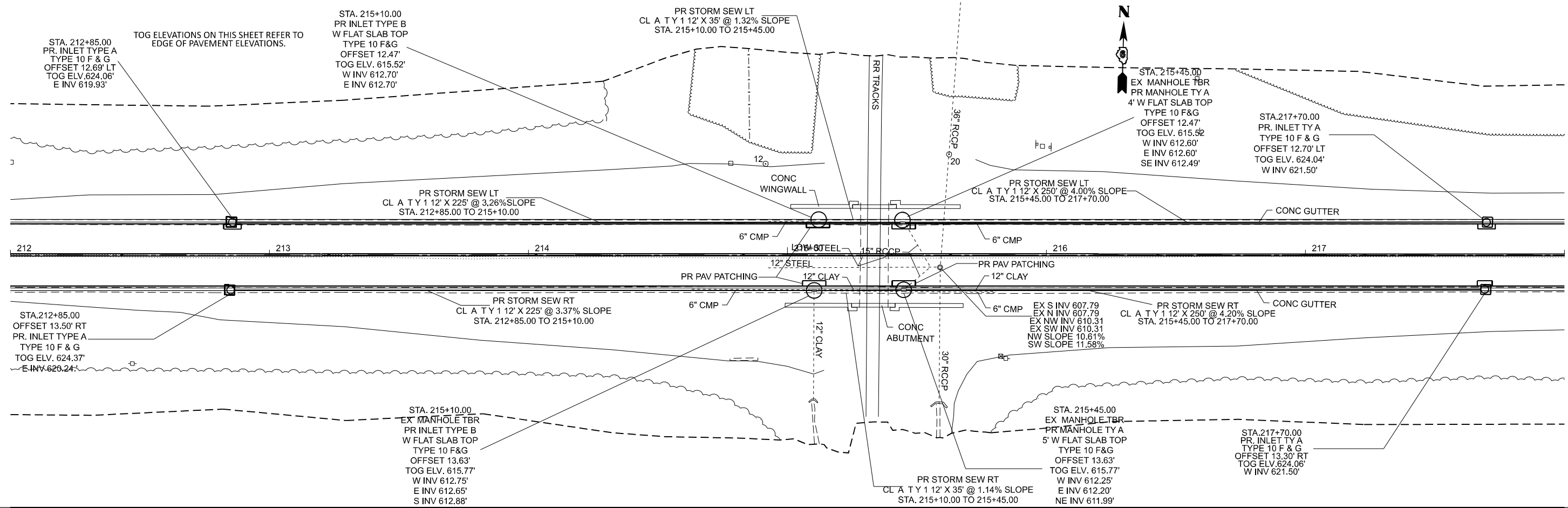
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 108 -PLAN SHEETS
 SCALE: SHEET 17 OF 17 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72M78	



625.94	623.93	621.74	619.58	617.79	616.60	616.31	617.25	618.87	621.01	623.39	625.77
212+50	213+00	213+50	214+00	214+50	215+00	215+50	216+00	216+50	217+00	217+50	218+00

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PLOT DATE	= 3/24/2023

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

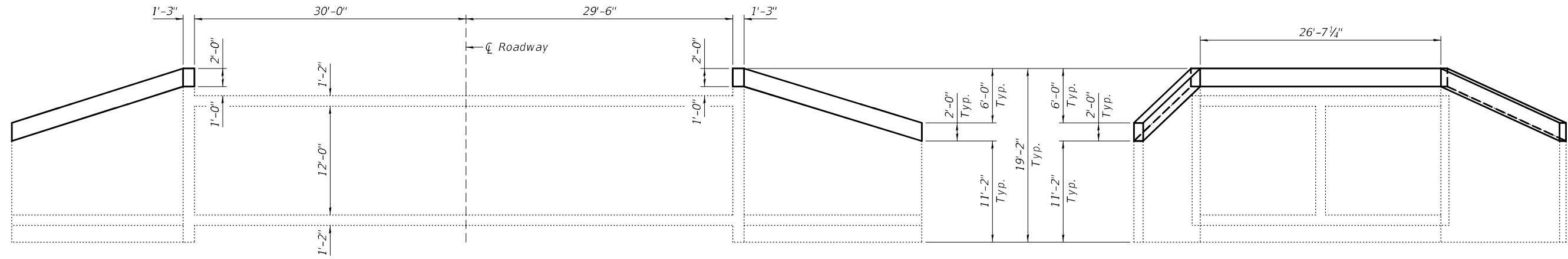
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE SHEET

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

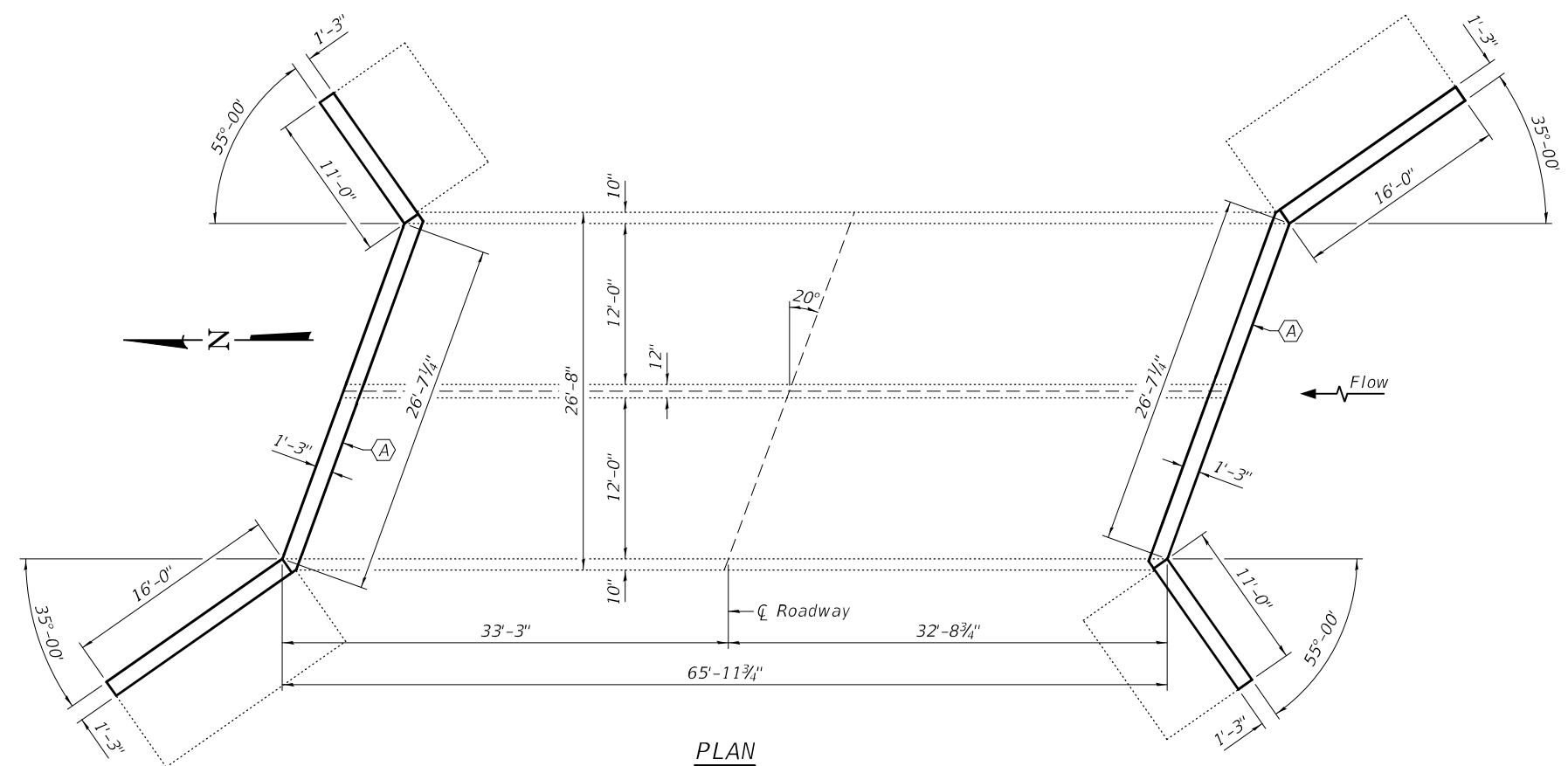
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	34
CONTRACT NO. 72M78				
ILLINOIS FED. AID PROJECT				

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LONGITUDINAL ELEVATION

END VIEW



PLAN

(A) - Existing Headwall & Wingwalls to be raised 2'-0\"/>

GENERAL NOTES

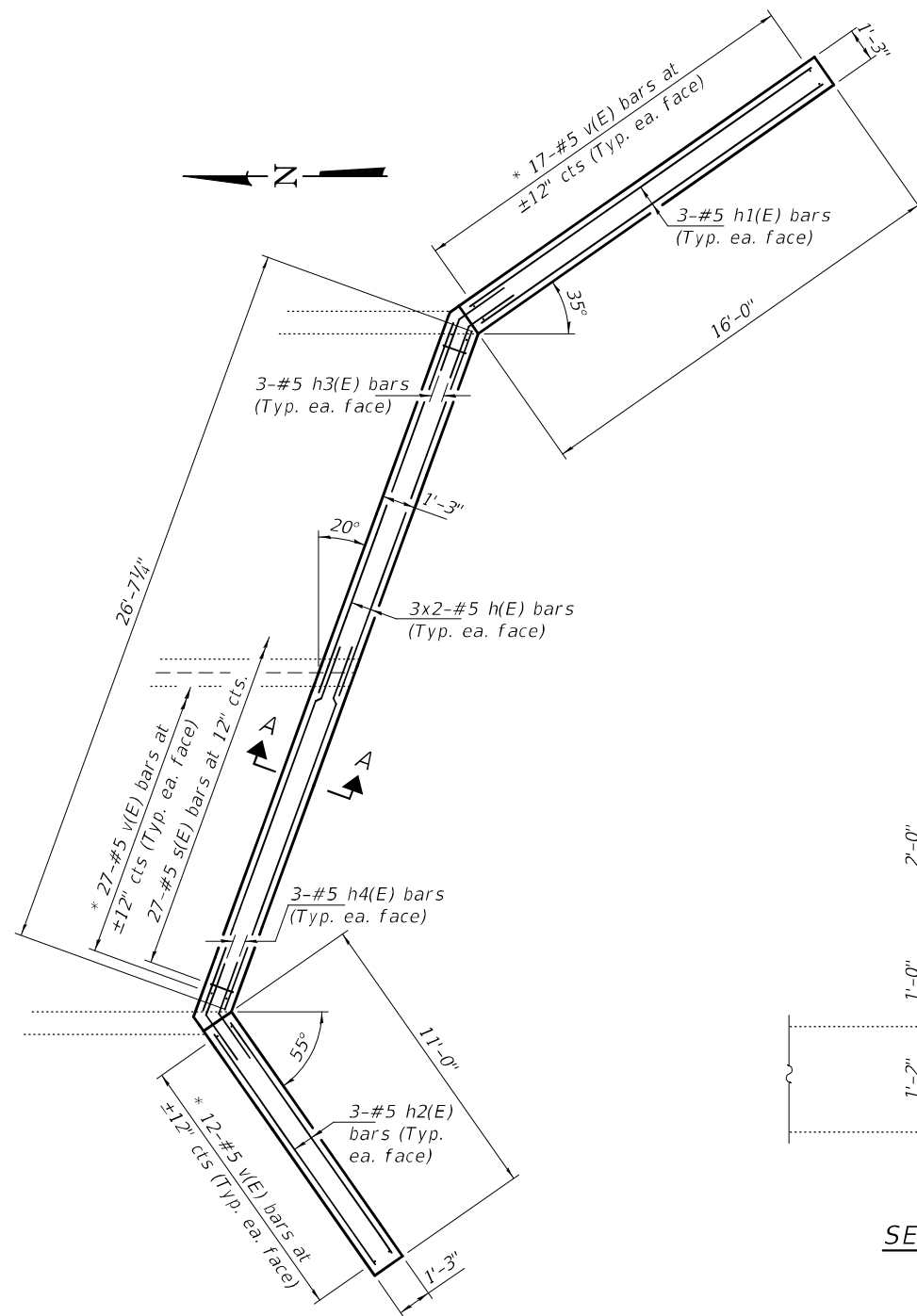
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Reinforcement bars designated (E) shall be epoxy coated.
 Protective Coat shall be applied to the proposed Headwall & Wingwall Concrete Extensions.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Structures	Cu. Yd.	9.9
Reinforcement Bars, Epoxy Coated	Pound	1780
Protective Coat	Sq. Yd.	7.4

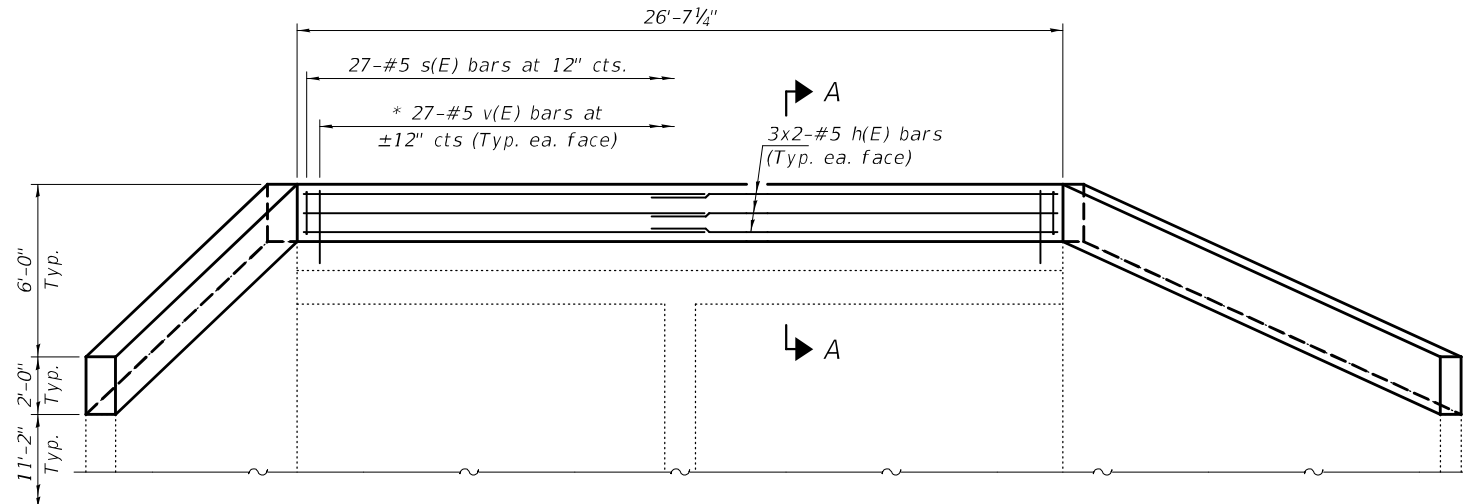


Expires: November 30, 2024

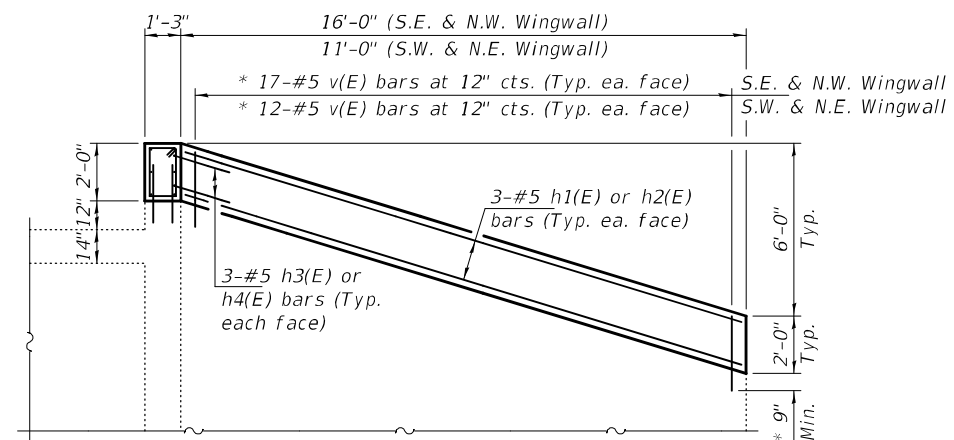


HEADWALL & WINGWALL EXTENSION PLAN

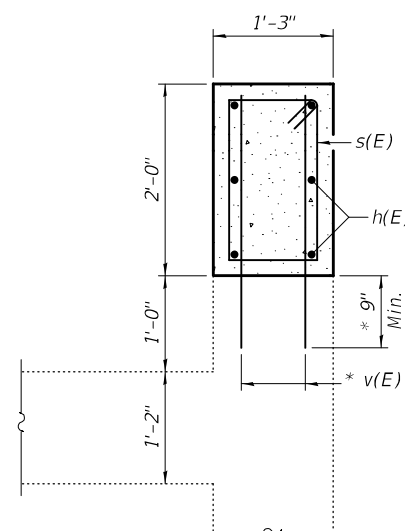
South Headwall & Wingwalls shown; North Headwall & Wingwalls similar by 180° rotation.



HEADWALL ELEVATION

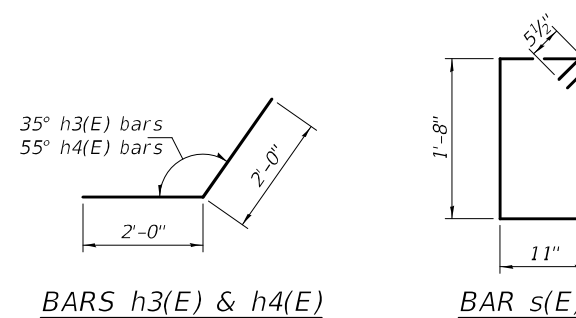


WINGWALL ELEVATION



SECTION A-A

* Epoxy Grout v(E) bars in 9" min. holes according to Article 584 of the Standard Specifications.



MIN. BAR LAP
#5 Bars = 3'-4"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#5	16'-0"	—
h1(E)	12	#5	15'-8"	—
h2(E)	12	#5	10'-8"	—
h3(E)	12	#5	4'-0"	↙
h4(E)	12	#5	4'-0"	↘
s(E)	54	#5	6'-1"	□
v(E)	224	#5	2'-7"	—
Concrete Structures			Cu. Yd.	9.9
Reinforcement Bars, Epoxy Coated			Pound	1780

DESIGNED - ATH
CHECKED - CCC
DRAWN - STEFFEN
CHECKED - ATH CCC

PASSED

Jaime F. Steffen
ENGINEER OF BRIDGES AND STRUCTURES

DATE - MAY 3, 2023

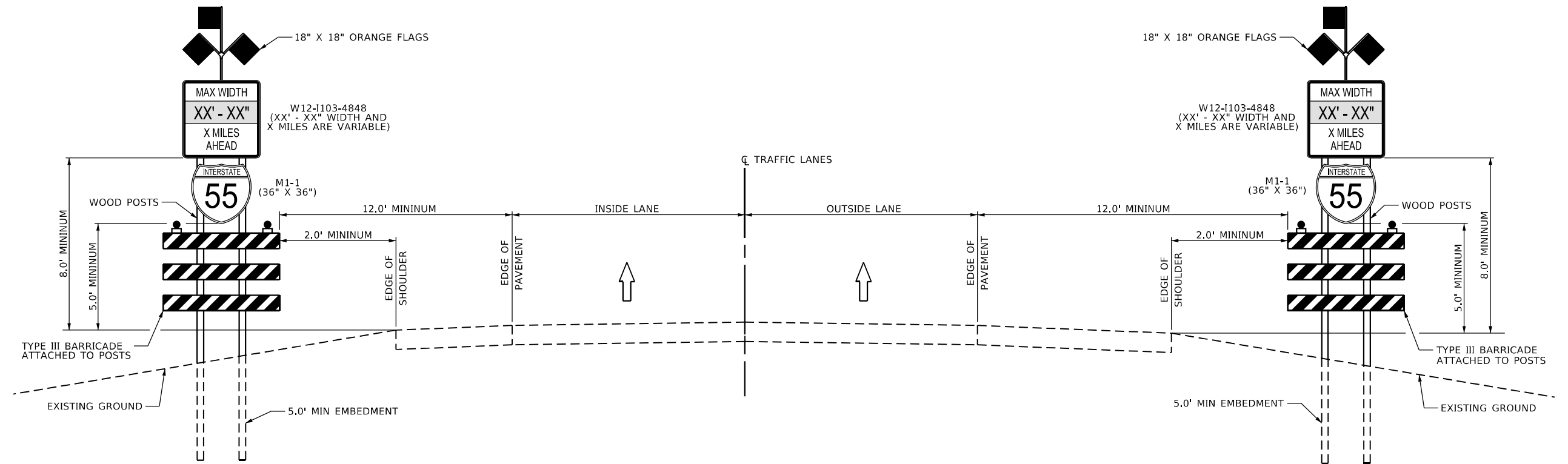
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

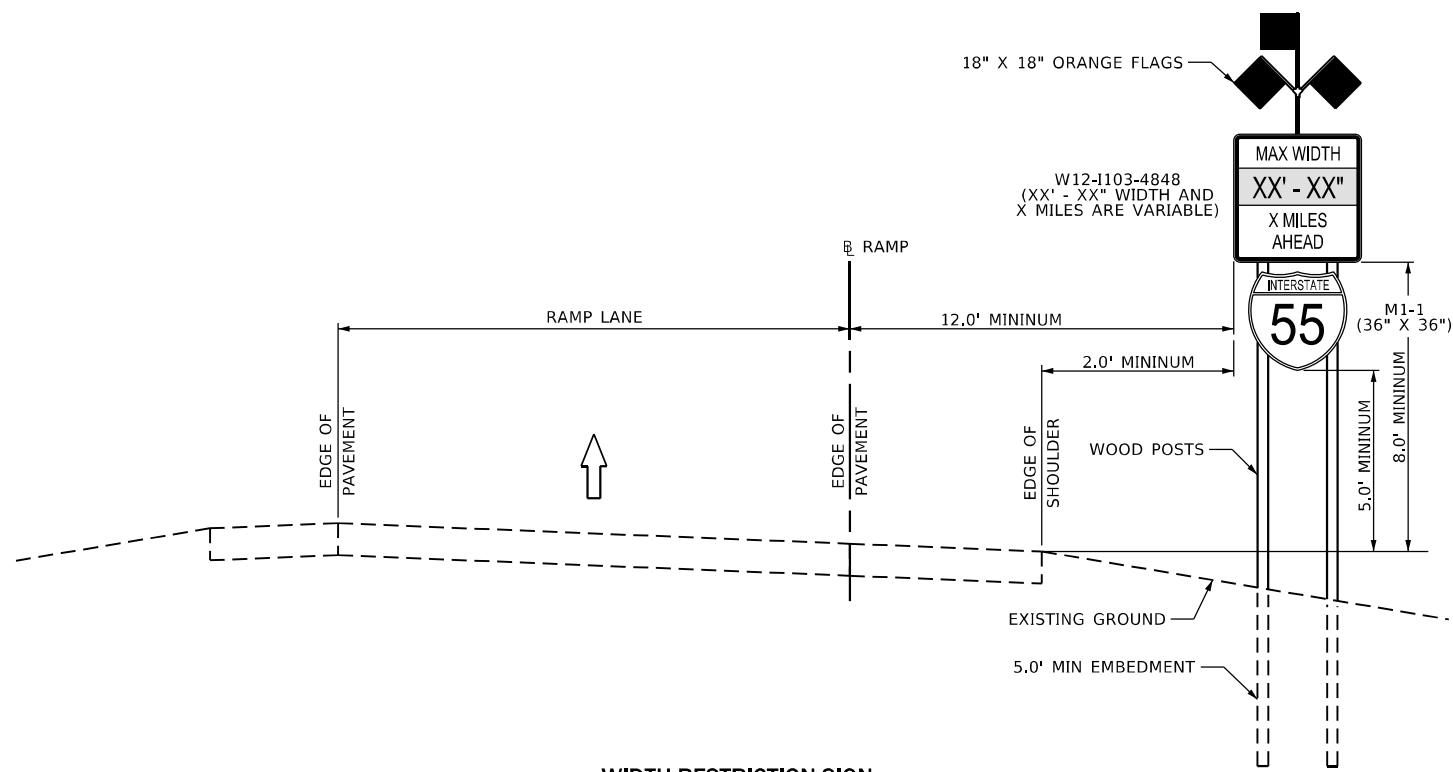
HEADWALL & WINGWALL EXTENSION DETAILS
SN 059-2005

SHEET NO. 2 OF 2 SHEETS

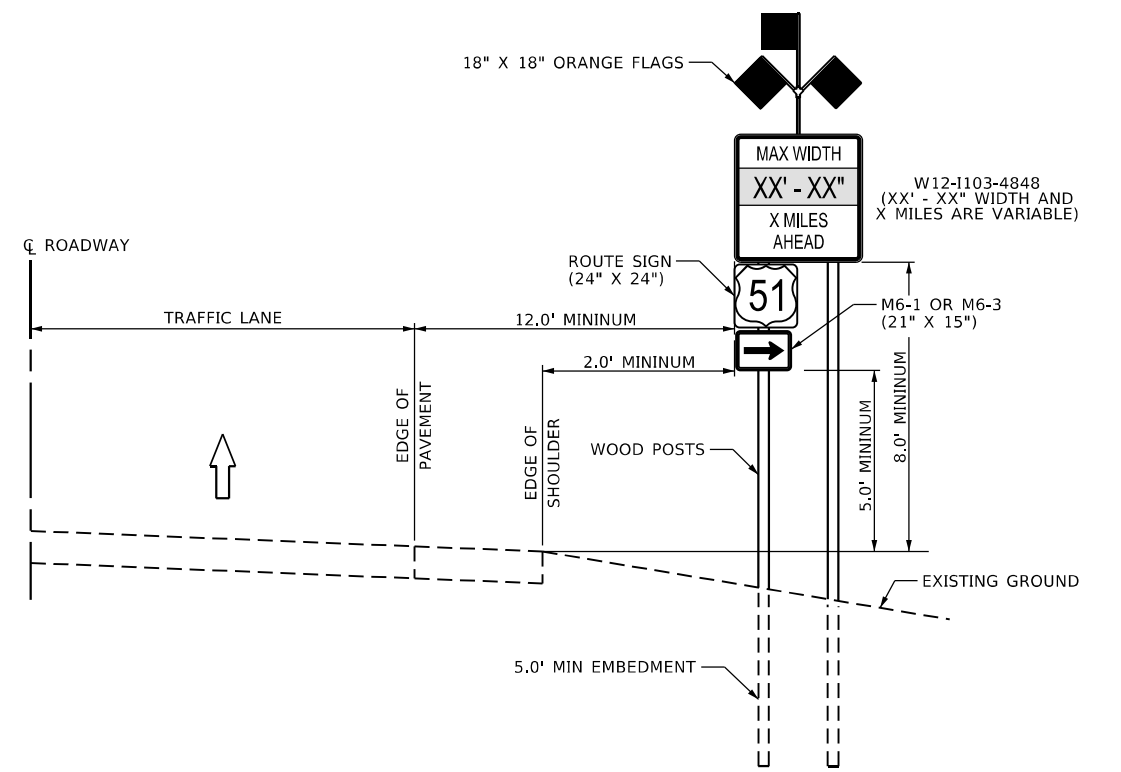
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	36
CONTRACT NO. 72M78				
ILLINOIS FED. AID PROJECT				



**WIDTH RESTRICTION SIGN
INTERSTATE AND EXPRESSWAYS
MAINLINE PAVEMENT**



**WIDTH RESTRICTION SIGN
INTERSTATE AND EXPRESSWAYS
RAMP PAVEMENT**



**WIDTH RESTRICTION SIGN
CONVENTIONAL ROADWAYS**

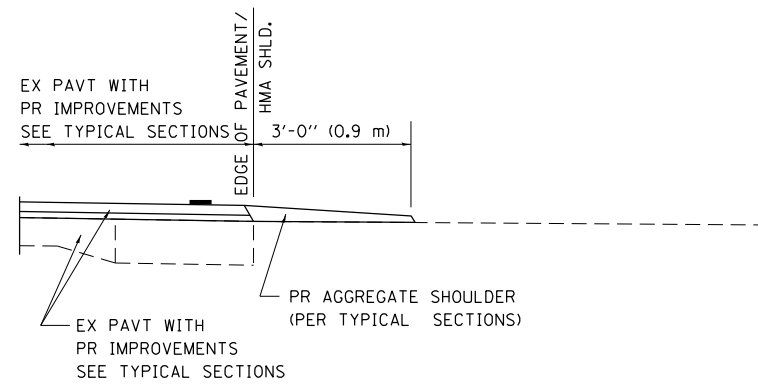
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PLOT DATE = 3/22/2023	DATE - 10/02/18	REVISED -

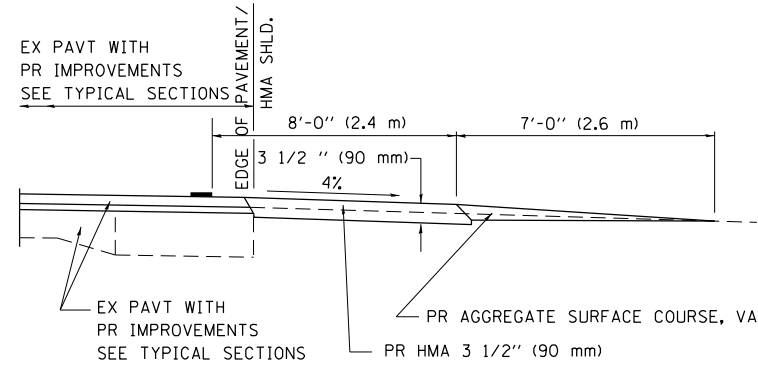
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT 6	
WIDTH RESTRICTION SIGN DETAILS	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

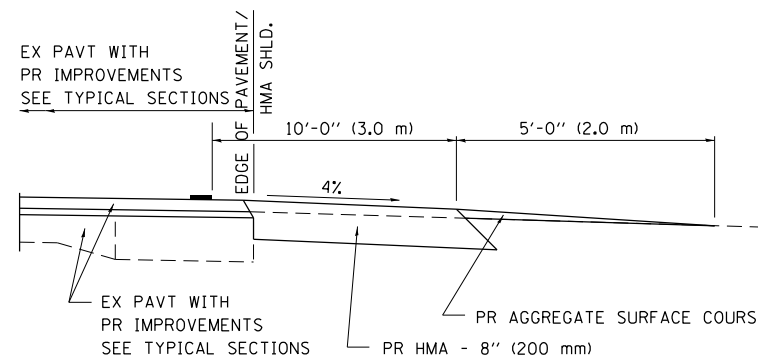
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	37
CONTRACT NO. 72M78				
ILLINOIS FED. AID PROJECT				



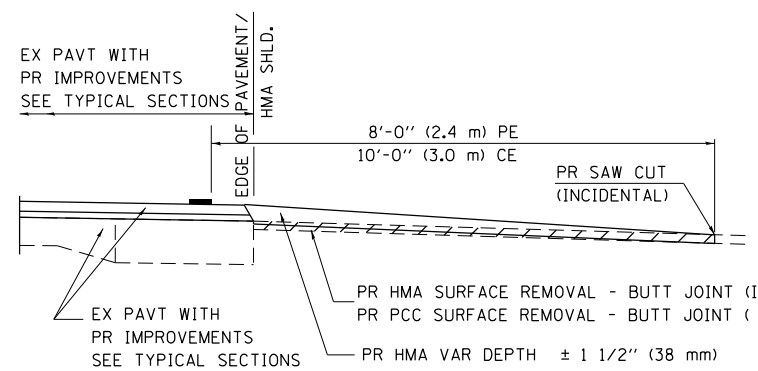
SECTION A-A FOR EX EARTH/ AGGREGATE FE



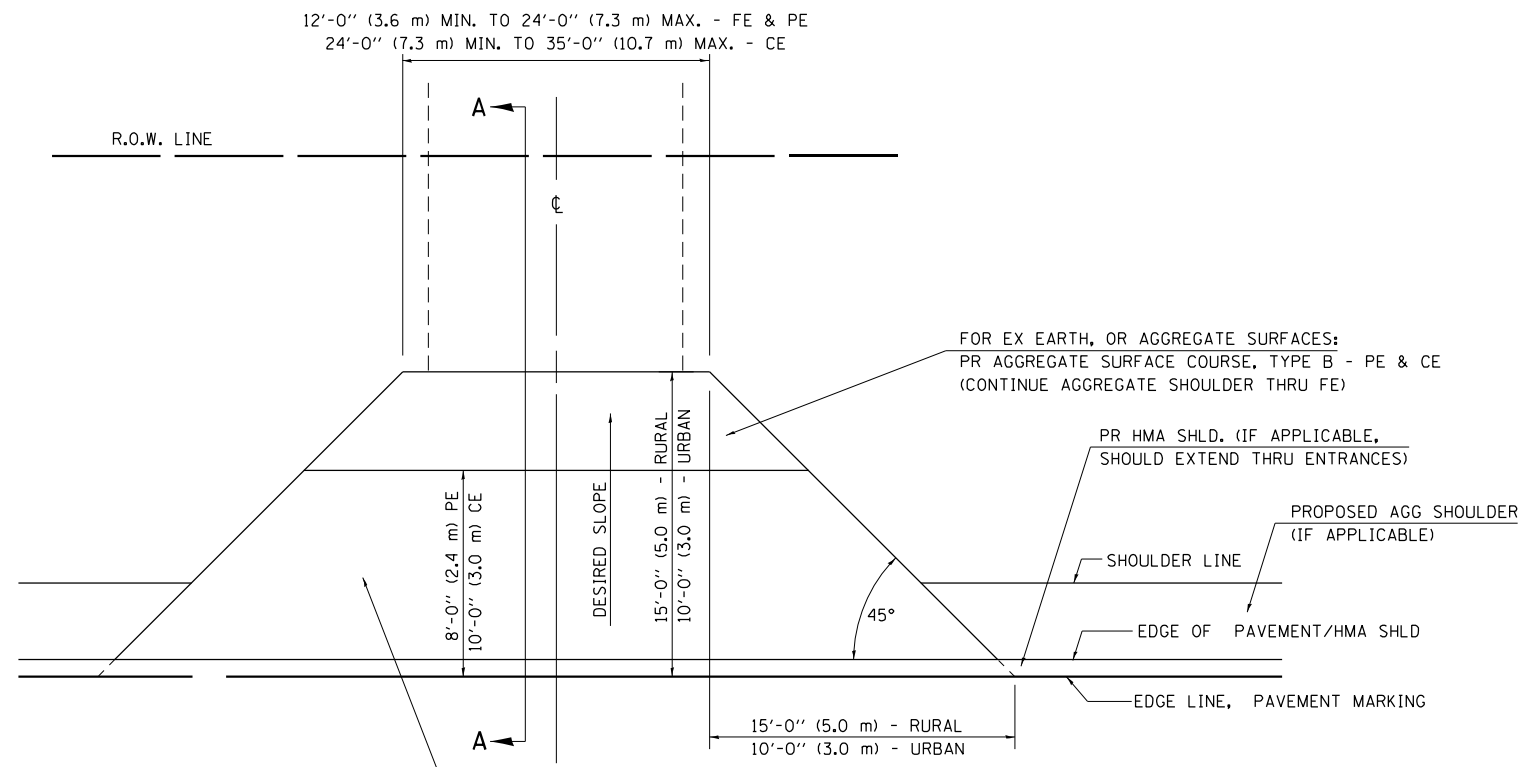
SECTION A-A FOR EX EARTH/AGGREGATE PE



SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD



SECTION A-A FOR EX HMA/ PC CONCRETE PE, CE & SIDE ROAD



FOR EX EARTH OR AGGREGATE SURFACES:
 PR HMA SURFACE REMOVAL (IF APPLICABLE)
 PR AGGREGATE SHOULDER THRU - FE
 PR HMA CONCRETE 3 1/2" (90 mm) - PE
 PR HMA CONCRETE 8" (200 mm) - CE

FOR EX HMA CONCRETE SURFACES:
 PR HMA SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
 PR PCC SURFACE REMOVAL-BUTT JOINT

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

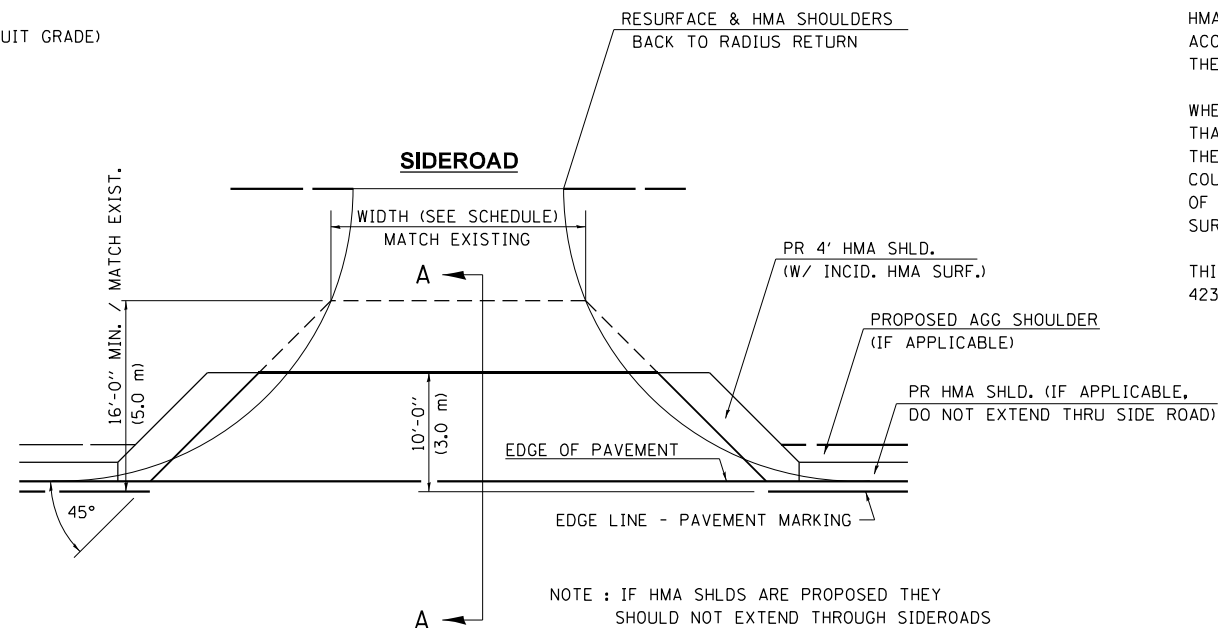
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HMA CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HMA CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES (75 mm) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 2 INCHES (50 mm) SHALL MEET THE REQUIREMENTS OF HMA CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



NOTE : IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

FILE NAME =	USER NAME = Jonathon Cox	DESIGNED -	REVISED - 2/19/03 JCN
pw:\idot-pw\bentley.com\PWIDOT\Documents\DOT Offices\District 6\Projects\D672M78\CAD\Drawings\040078-shd-details.dgn		CHECKED - JCN	REVISED - 4/01/04 JCN
ENT PPP.DGN		DATE - FEBRUARY 23, 1999	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

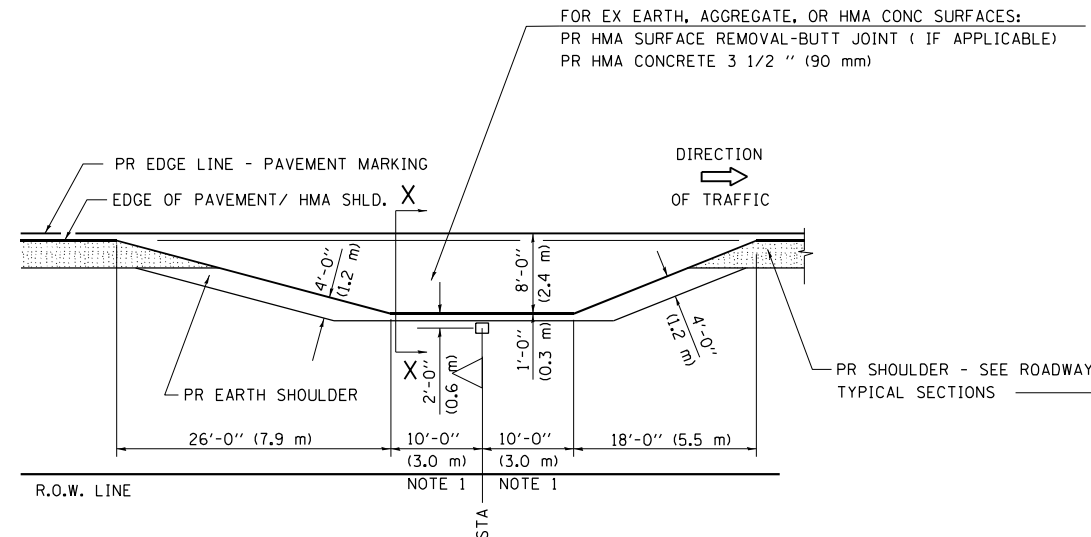
**DIST.6 DETAILS FOR RURAL/URBAN ENT., MAILBOX
TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

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

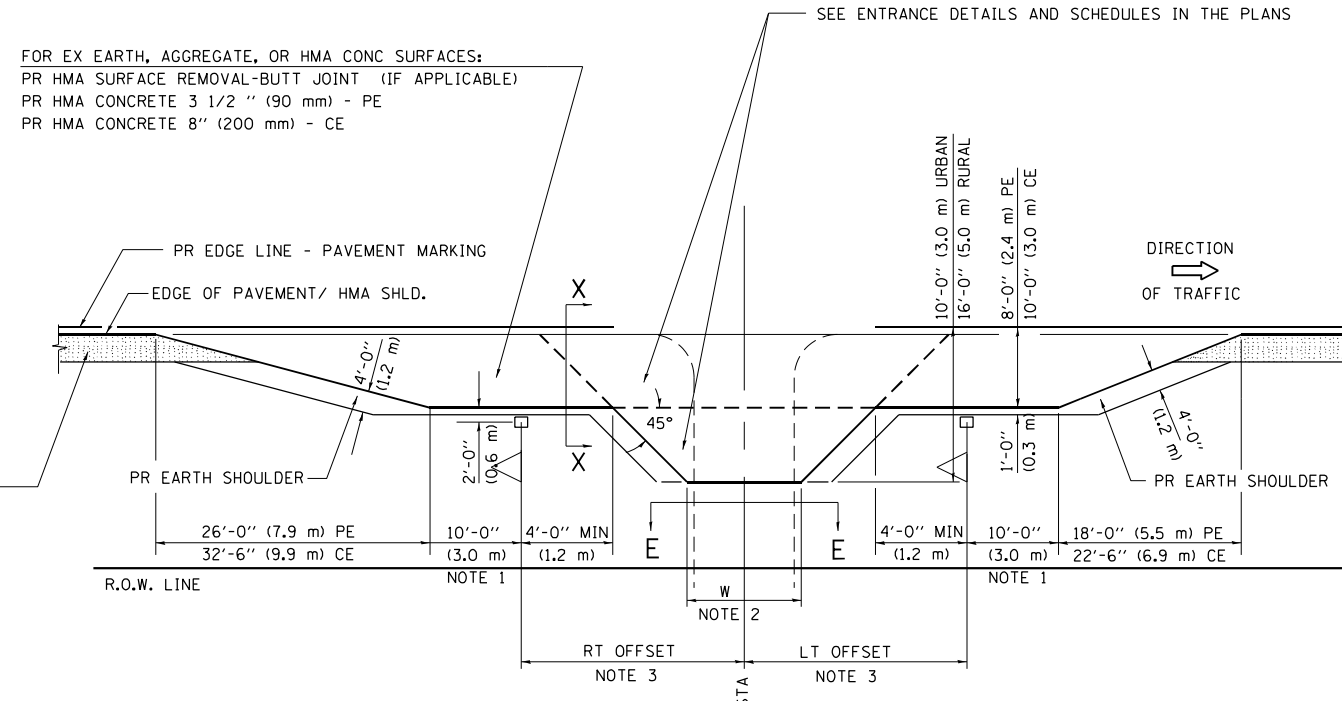
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72M78	

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

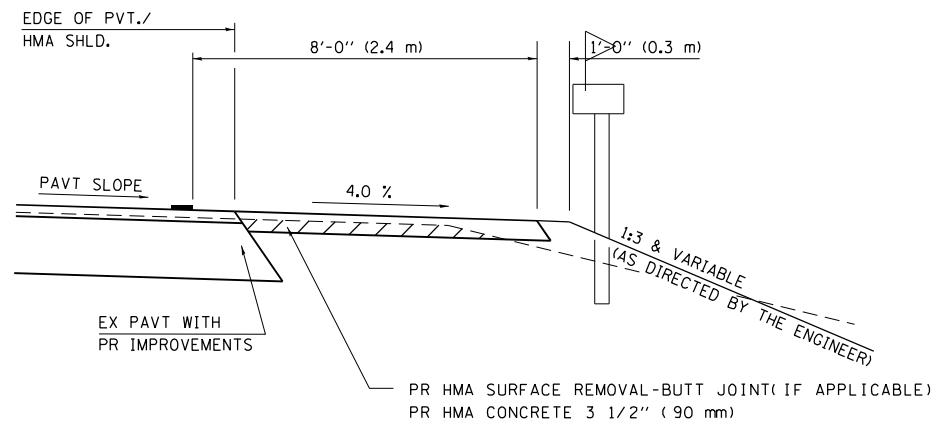
DETAILS OF MAILBOX TURNOUTS



PLAN - MAILBOX TURNOUTS

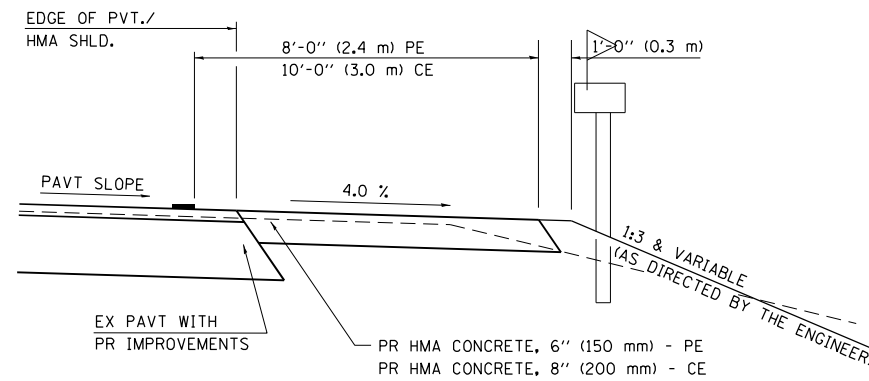


PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



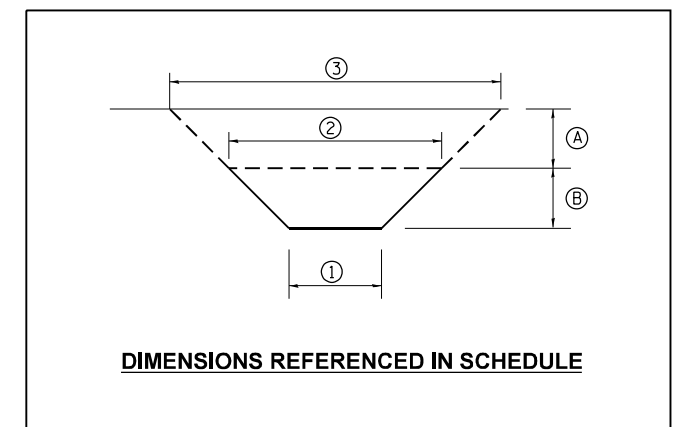
SECTION X-X THRU MAILBOX TURNOUT
 ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
 EX EARTH, AGGREGATE, OR HMA PE & FE

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
 IF EXISTING, TREAT SAME AS ENTRANCE.)



SECTION X-X THRU MAILBOX TURNOUT
 COMBINED WITH EX HMA CONC & PC CONC PE & CE

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
 IF EXISTING, TREAT SAME AS ENTRANCE.)



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
 UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = Jonathan Cox	DESIGNED -	REVISED - 2/19/03 JCN
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Default	PLOT DATE = 3/22/2023	DATE - FEBRUARY 23, 1999	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)	
SCALE:	SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
769	(110) RS-6, (111) RS-5	MACOUPIN	39	39
CONTRACT NO. 72M78			ILLINOIS FED. AID PROJECT	