

03-08-2024 LETTING ITEM 067

FOR INDEX OF SHEETS, SEE SHEET 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET 2

ROADWAY CLASSIFICATION

ARTERIAL

AVERAGE DAILY TRAFFIC YEAR 2021

ADT: 11,500 (SU = 2.8%, MU = 5.6%)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

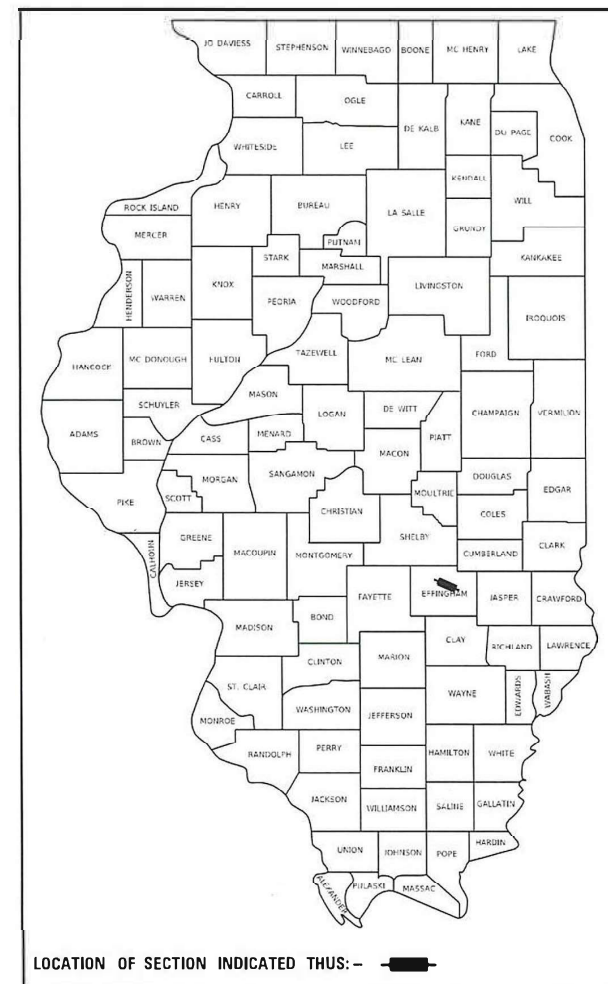
**PROPOSED
HIGHWAY PLANS**

FAP 774 (IL 32/33)
SECTION 107RS-1
PROJECT STP-1GKQ(322)
RESURFACING
EFFINGHAM COUNTY

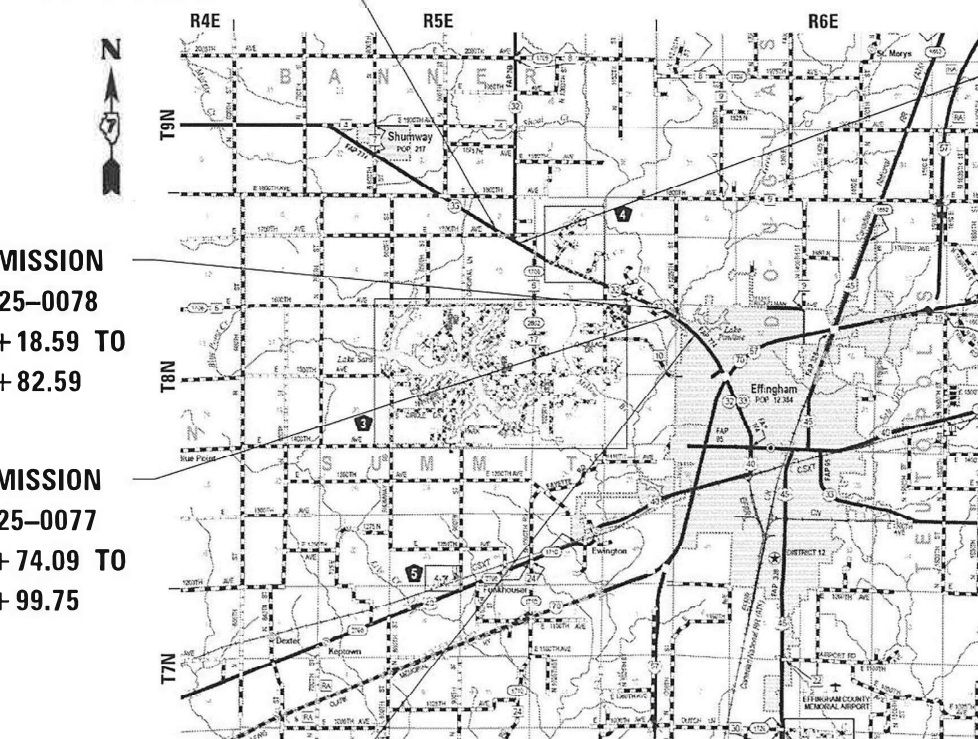
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	1
		ILLINOIS	CONTRACT NO. 74B82	

D-97-026-23



BEGIN IMPROVEMENT
STA. 541 + 50.00

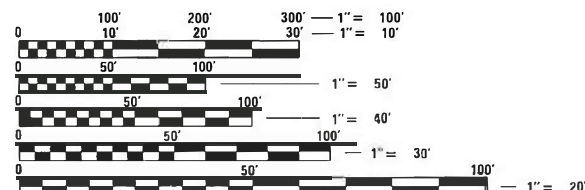


STATION EQUATION
STA. 559 + 19.18 (BK) =
STA. 884 + 96.78 (AH)

BRIDGE OMISSION
STR. NO. 025-0078
STA. 1010 + 18.59 TO
STA. 1012 + 82.59

BRIDGE OMISSION
STR. NO. 025-0077
STA. 1017 + 74.09 TO
STA. 1019 + 99.75

END IMPROVEMENT
STA. 1037 + 85.00



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

PROJECT ENGINEER BRIAN LEWIS 217-342-8360
PROJECT MANAGER CONSULTANT 217-679-0044

CONTRACT NO. 74B82

GROSS LENGTH = 17,057.40 FT. = 3.231 MILE
NET LENGTH = 16,567.74 FT. = 3.138 MILE



DATE: DECEMBER 15 20 23
EXPIRES: NOVEMBER 30 20 25

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED DECEMBER 16 20 23
Jeffrey P. Meyer, Jr.
REGIONAL ENGINEER

February 2, 2024
Scott A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

February 2, 2024
Stephen M. Janda
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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GENERAL NOTES

1. THE PROPOSED PROJECT BEGINS WEST OF THE INTERSECTION OF IL ROUTE 32 AND IL ROUTE 33 AT STA. 541+93.05 AND EXTENDS IN AN EASTERLY DIRECTION TO STA. 1037+85.00 IN EFFINGHAM, IL. THE WORK INCLUDES MILLING, HOT-MIX ASPHALT RESURFACING, SHOULDERS, CLEANING & REPAIR OF DRAINAGE STRUCTURES, AND OTHER WORK NECESSARY TO COMPLETE THE PROJECT.
2. WHEN APPLYING SHORT TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE AND PAINT SHALL BE USED ON THE MILLED AND BINDER SURFACES.
3. LONGITUDINAL JOINT SEALANT WILL BE APPLIED AT ALL CENTERLINE AND TURN LANE JOINTS.
4. GROOVING FOR PAVEMENT MARKING LETTERS AND SYMBOLS SHALL BE DONE IN THE SHAPE OF THE PROPOSED MARKINGS.
5. SEE SHEET 15 FOR PAVEMENT MARKING SCHEDULE.

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STANDARDS, AND GENERAL NOTES
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14 - 16	SCHEDULE OF QUANTITIES
17 - 18	HORIZONTAL AND VERTICAL CONTROL
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27 - 35	PAVEMENT MARKING SHEETS
36 - 39	DETAIL SHEETS
40 - 44	DISTRICT 7 DETAILS

HIGHWAY STANDARDS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. XX

STANDARD	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-10	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 84" DIAMETER
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
642006-01	SHOULDER RUMBLE STRIPS, 8 IN
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD 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 TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANES
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-09	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

APPLICATION RATES

THE FOLLOWING APPLICATION RATES WERE USED IN CALCULATING PLAN QUANTITIES AND HAVE BEEN INCLUDED FOR REFERENCE:

BITUMINOUS MATERIALS (TACK COAT)	0.05 LB/SQ FT (ON MILLED SURFACES)
	0.025 LB/SQ FT (ON HMA LIFTS)
RIPRAP	1.485 TON/CU YD
AGGREGATE SURFACE COURSE AND SHOULDER	2.05 TON/CU YD

MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (TOP LIFT)	PG 76-22	4.0% @ N=90	IL - 9.5	MIXTURE D	N90	PFP	1000	N/A
MAINLINE	POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N90 (BOTTOM LIFT)	PG 76-22	4.0% @ N=90	IL - 9.5FG	N/A	N90	PFP	1000	N/A
TURNLANE	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90 (TOP LIFT)	PG 76-22	4.0% @ N=90	IL - 9.5	MIXTURE D	N90	PFP	1000	N/A
TURNLANE	POLYMERIZED HMA BINDER COURSE, IL-9.5FG, N90 (BOTTOM LIFT)	PG 76-22	4.0% @ N=90	IL - 9.5FG	N/A	N90	PFP	1000	N/A
INCIDENTAL	HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	3000	N/A
SHOULDER	HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	3000	N/A
SHOULDER	HMA BINDER COURSE, IL-9.5FG, N70 (BOTTOM LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	N70	QC/QA	3000	N/A
PATCHING	HMA BINDER COURSE, IL-19.0, N90	PG 64-22	4.0% @ N=90	IL - 19.0	N/A	N90	QC/QA	3000	N/A

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, LIST OF STANDARDS,
AND GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74882	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	20% STATE
				ROADWAY 0005 RURAL	ROADWAY 0005 URBAN
35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	8	8	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	84467	72389	12078
40600370	LONGITUDINAL JOINT SEALANT	FOOT	62642	55090	7552
40600990	TEMPORARY RAMP	SQ YD	902	479	423
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	991	991	
40603219	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	TON	7896	6878	1018
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	1678	1323	355
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	9474	8252	1222
44000100	PAVEMENT REMOVAL	SQ YD	97	85	12
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	101015	97659	3356
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	30616	14960	15656
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	40	40	
44003100	MEDIAN REMOVAL	SQ FT	42	42	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	20% STATE
				ROADWAY 0005 RURAL	ROADWAY 0005 URBAN
44004250	PAVED SHOULDER REMOVAL	SQ YD	12		12
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	179	179	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	163	145	18
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	6		6
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	34		34
54213447	END SECTIONS 12"	EACH	2		2
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2		2
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	34		34
60623200	CONCRETE MEDIAN, TYPE SM-6.24	SQ FT	230	230	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	750	587	163
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8	5	3
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	6	3	3
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1		1
63200310	GUARDRAIL REMOVAL	FOOT	1482	1032	450

* SPECIALTY ITEM

NOTE:
RURAL STA. 541+50 TO STA. 1016+00
URBAN STA. 1016+00 TO STA. 1037+85

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74882	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	20% STATE
				ROADWAY 0005 RURAL	ROADWAY 0005 URBAN
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	33062	29033	4029
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	10	2
67100100	MOBILIZATION	L SUM	1	0.8	0.2
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.8	0.2
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.8	0.2
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.8	0.2
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.8	0.2
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	14	14
70300100	SHORT TERM PAVEMENT MARKING	FOOT	20392	17720	2672
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	6795	5904	891
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	2330	2049	281
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	78309	68383	9926
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	9241	8429	812
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	2033	2033	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	20% STATE
				ROADWAY 0005 RURAL	ROADWAY 0005 URBAN
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	1951	1937	14
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	91	91	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	5	3	2
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	2268	2018	250
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	75409	66743	8666
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2033	2033	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	2033	2033	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1927	1913	14
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	91	91	
* 78003101	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LETTERS AND SYMBOLS	SQ FT	62	31	31
* 78003111	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 4"	FOOT	2900	1640	1260
* 78003131	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 6"	FOOT	568	418	150
* 78003151	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 12"	FOOT	24	24	
* 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	6640	5730	910

* SPECIALTY ITEM

NOTE:
RURAL STA. 541+50 TO STA. 1016+00
URBAN STA. 1016+00 TO STA. 1037+85

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74882	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	20% STATE
				ROADWAY 0005 RURAL	ROADWAY 0005 URBAN
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	2330	2049	281
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	78339	69173	9166
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	2601	2601	
* 78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	2033	2033	
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1951	1951	
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	91	91	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1539	1351	188
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	12	9	3
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1539	1351	188
X4060995	TEMPORARY RAMP (SPECIAL)	SQ YD	502	403	99
X4080052	INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL)	TON	164	136	28
X4400102	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	SQ YD	1951	1623	328
X4402400	CURB REMOVAL (SPECIAL)	FOOT	96	48	48
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	57	57	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED	20% STATE
				ROADWAY 0005 RURAL	ROADWAY 0005 URBAN
Z0049799	PROTECTING OR RESETTING SURVEY MARKERS	EACH	14	14	
Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	1	1	
Z0065740	SLOTTED DRAIN 12" WITH VARIABLE SLOT	FOOT	48		48

* SPECIALTY ITEM

NOTE:
RURAL STA. 541+50 TO STA. 1016+00
URBAN STA. 1016+00 TO STA. 1037+85

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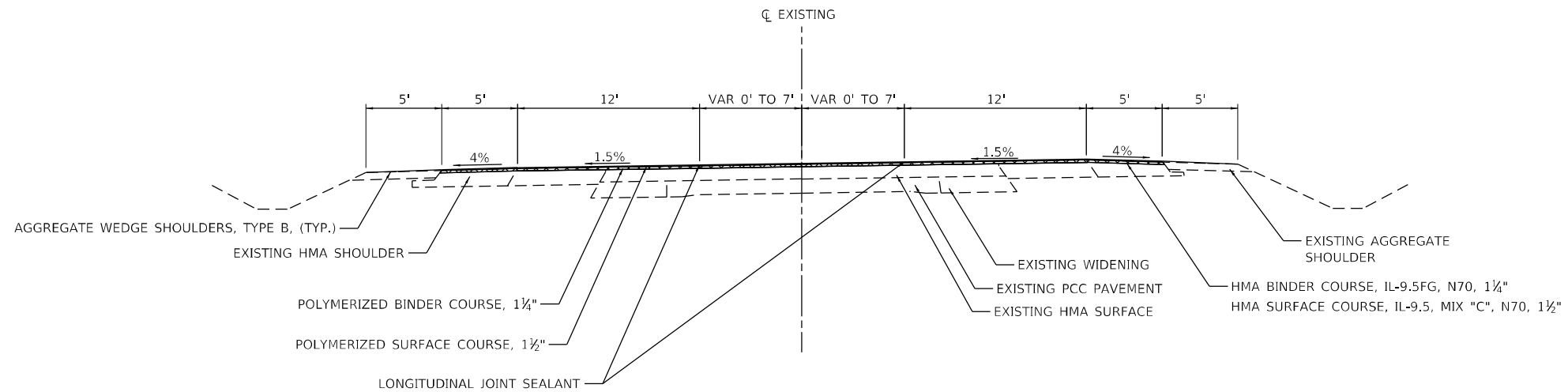
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

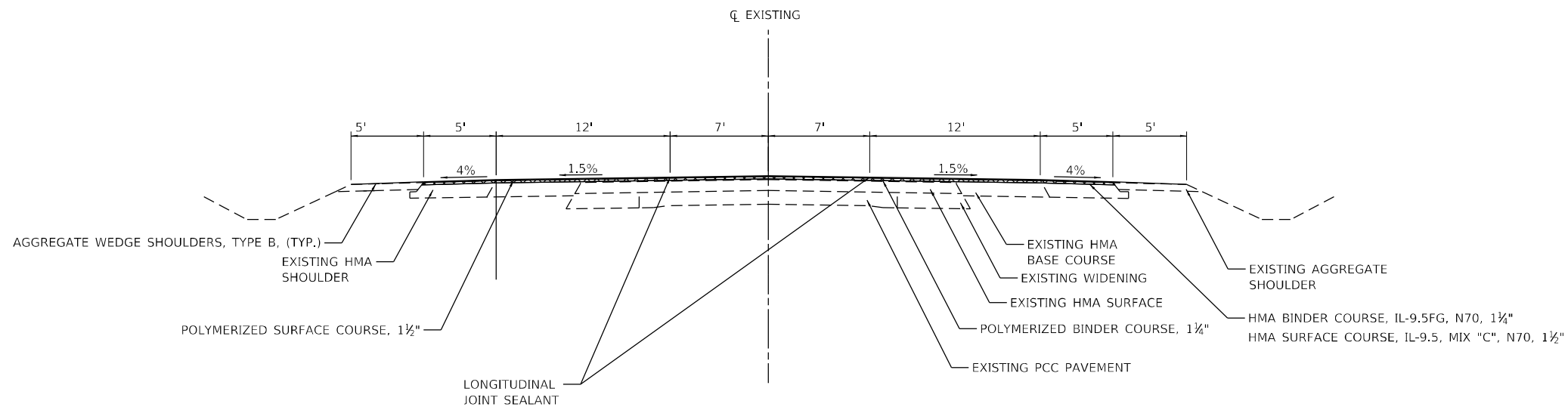
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74882	



PROPOSED TYPICAL SECTION ①
STA. 541+50.00 TO STA. 550+00.00

LEGEND
 HMA SURFACE REMOVAL, 2"



PROPOSED TYPICAL SECTION ②
STA. 550+00.00 TO STA. 551+74.79

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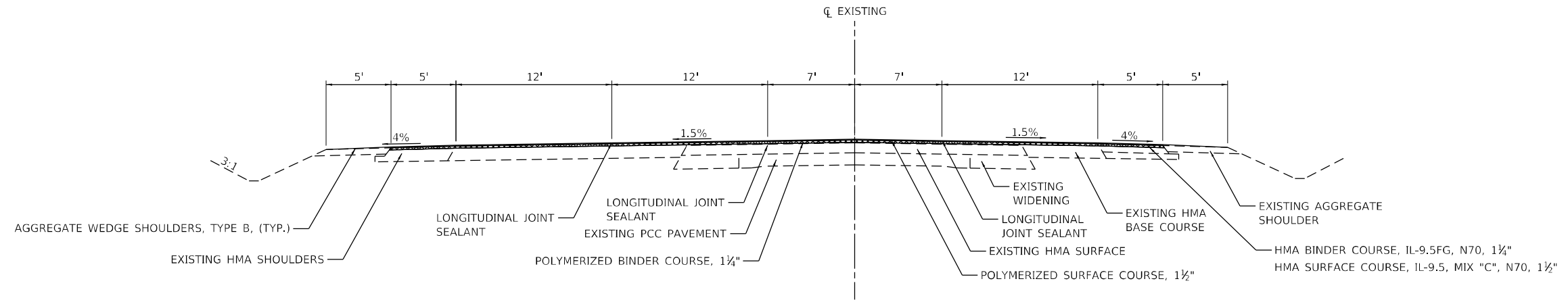
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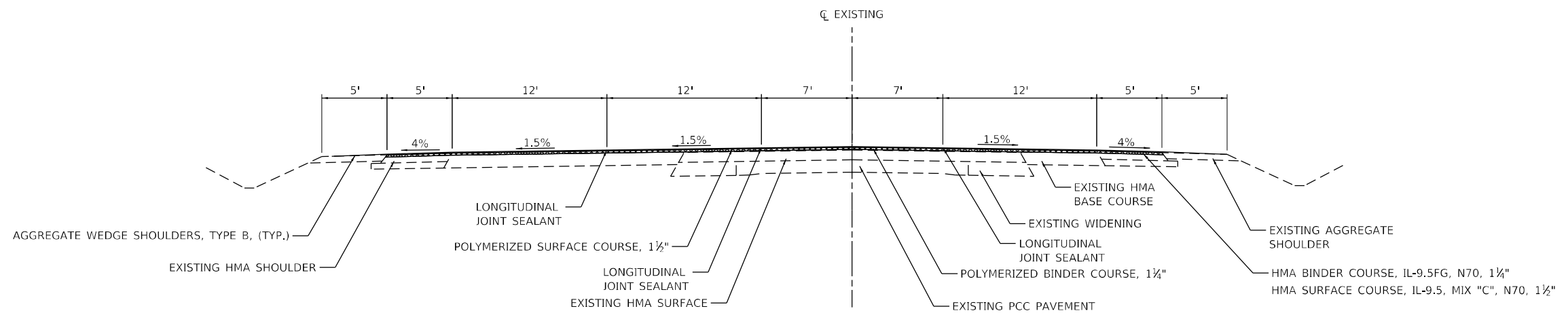
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SCALE:	SHEET 1	OF 8 SHEETS	STA. TO STA.

F.A.P. RTE. 774	SECTION 107RS-1	COUNTY EFFINGHAM	TOTAL SHEETS 44	SHEET NO. 6
			CONTRACT NO. 74882	
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION ③
 STA. 551+74.79 TO STA. 886+00.00
 STATION EQUATION: 559+19.18 BK = 884+96.78 AH

LEGEND
 [Hatched Box] HMA SURFACE REMOVAL, 2"



PROPOSED TYPICAL SECTION ④
 STA. 886+00.00 TO STA. 896+43.01

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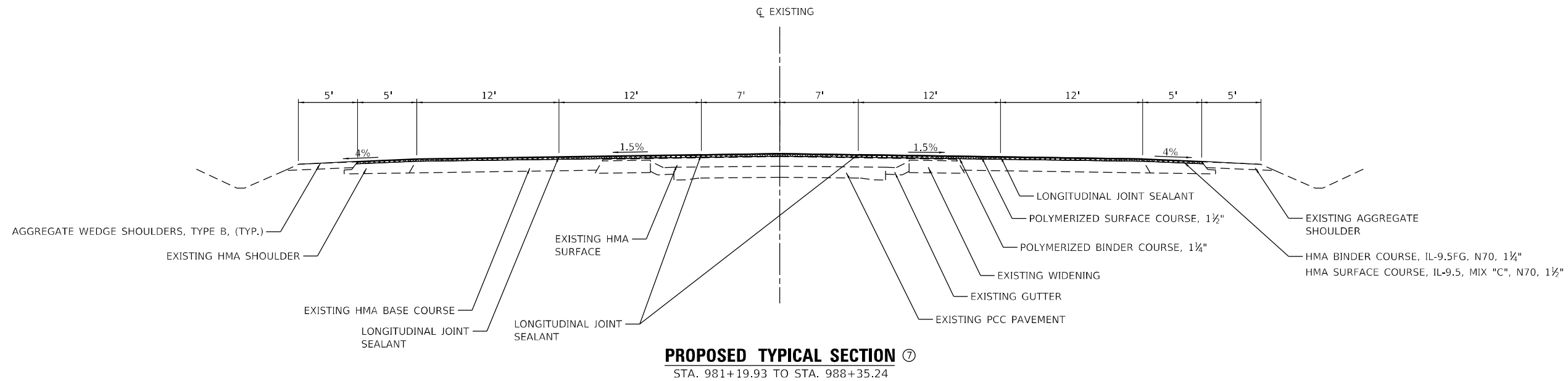
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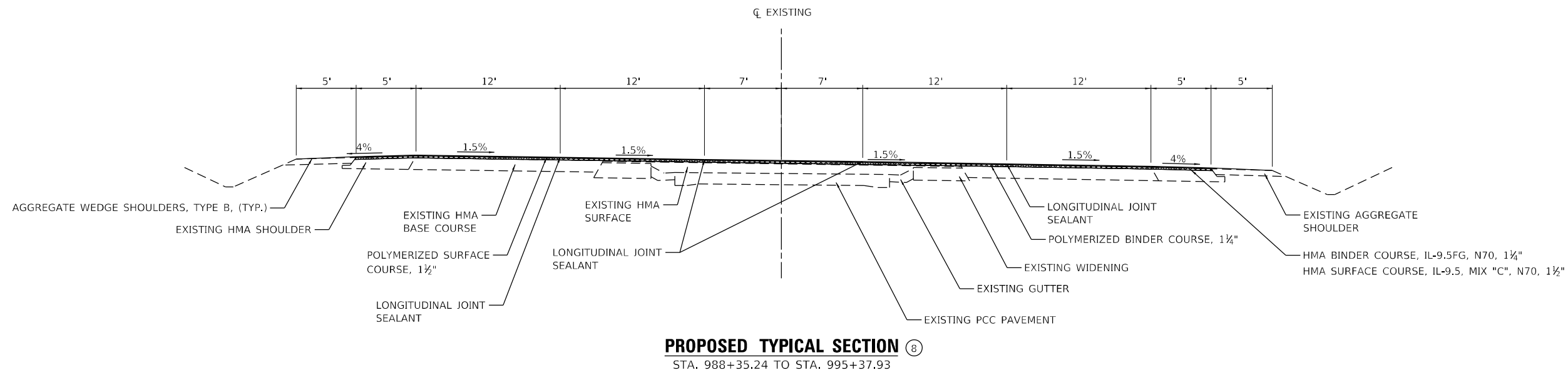
PROPOSED TYPICAL SECTIONS

SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	7
CONTRACT NO. 74B82				
ILLINOIS FED. AID PROJECT				



LEGEND
 HMA SURFACE REMOVAL, 2"



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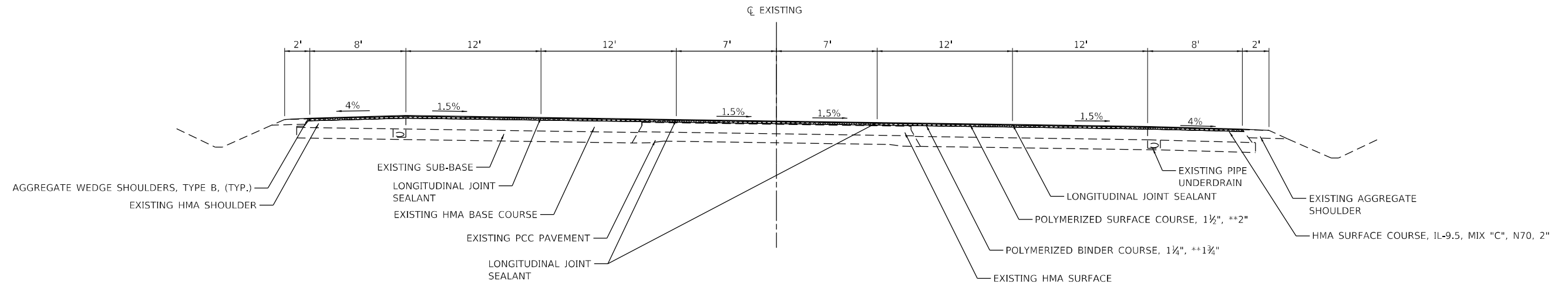


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DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET 4	OF 8 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	9
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				

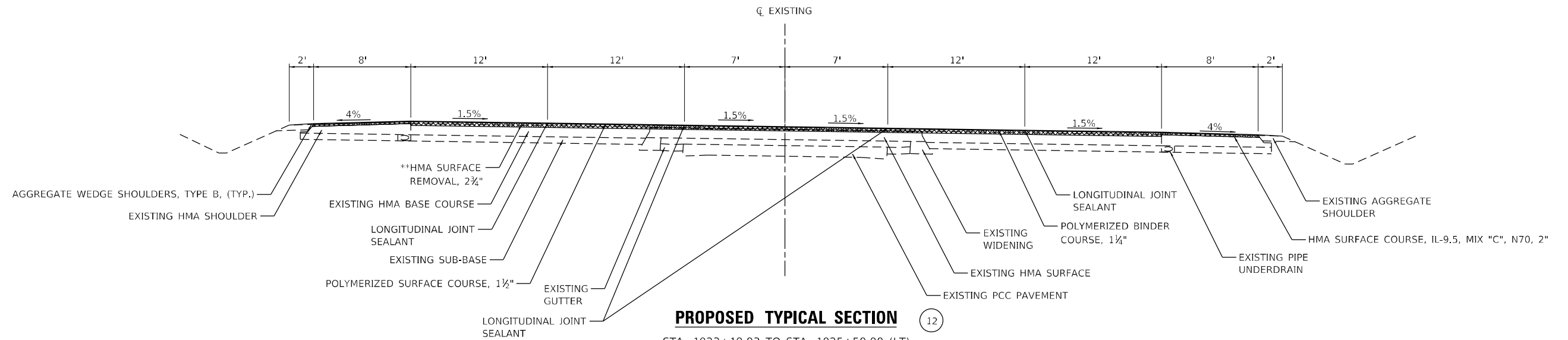


PROPOSED TYPICAL SECTION (11)

STA. 1007+60.00 TO STA. 1009+83
 STA. 1009+83 TO STA. 1013+19 (BRIDGE OMISSION)
 STA. 1013+19 TO STA. 1017+38 **
 STA. 1017+38 TO STA. 1020+35 (BRIDGE OMISSION)
 STA. 1020+35 TO STA. 1022+06.00 **

LEGEND

▨ HMA SURFACE REMOVAL, 2" OR **HMA SURFACE REMOVAL, 2 3/4"



PROPOSED TYPICAL SECTION (12)

STA. 1023+19.93 TO STA. 1025+50.00 (LT)
 STA. 1023+19.93 TO STA. 1027+50.00 (RT)

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 Professional Design Firm No. 184-006516



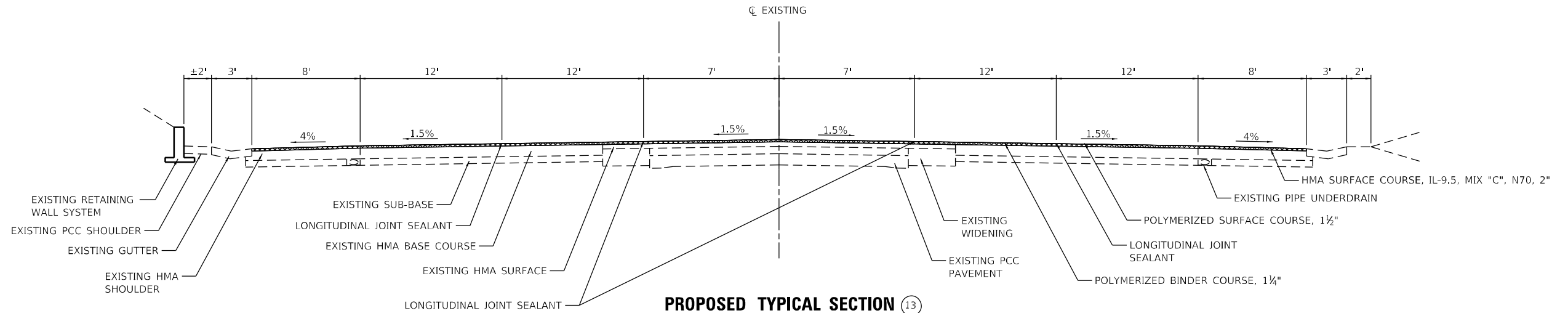
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS

SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

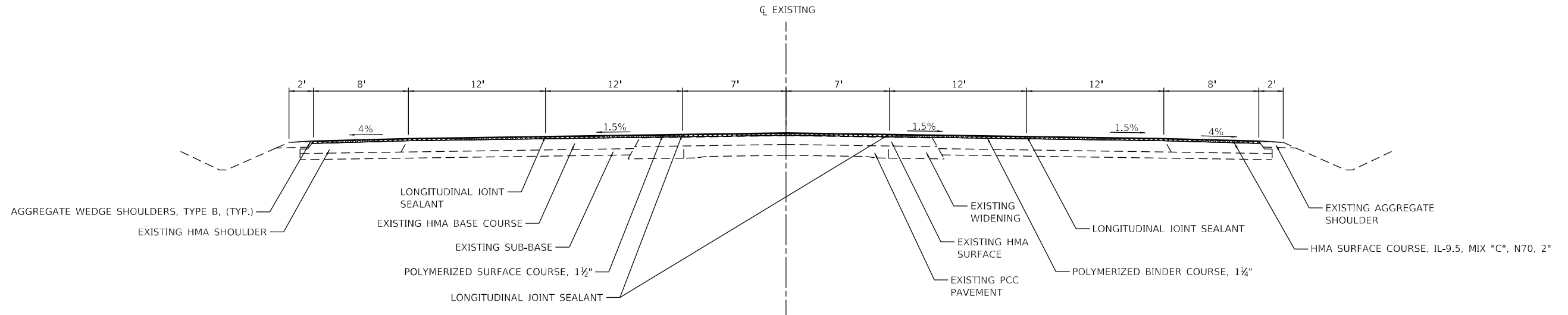
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	11
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION 13

STA. 1025+50.00 TO STA. 1034+00.00 (LT)
 STA. 1027+50.00 TO STA. 1034+00.00 (RT)

LEGEND
 HMA SURFACE REMOVAL, 2 3/4"



PROPOSED TYPICAL SECTION 14

STA. 1034+00.00 TO STA. 1037+85.00

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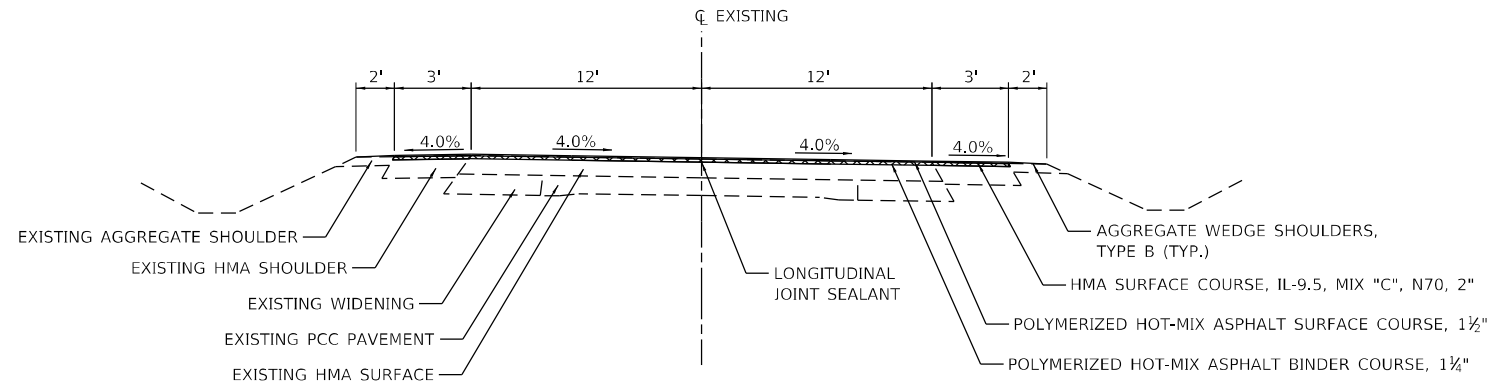


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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

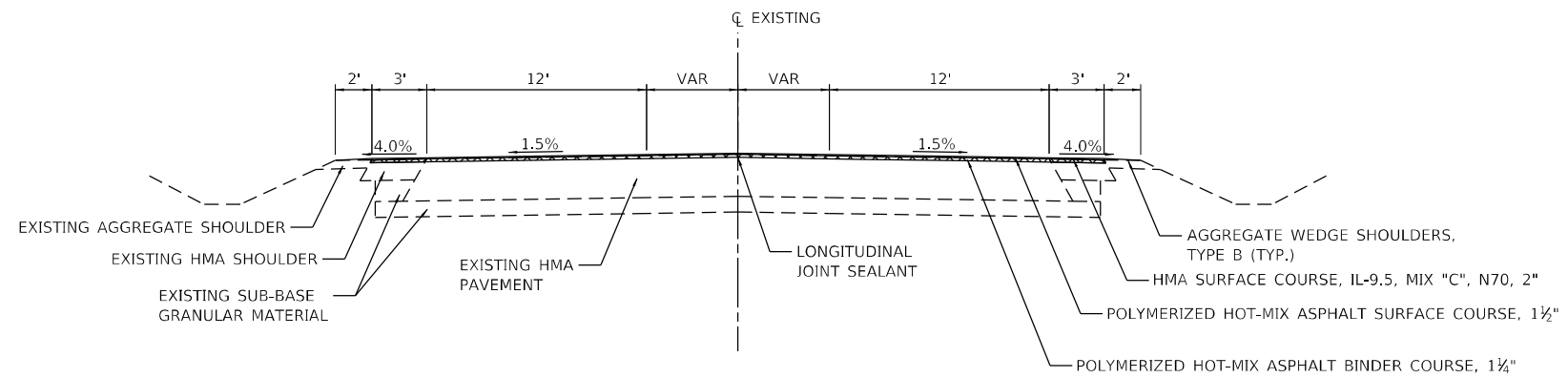
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SCALE:	SHEET 7	OF 8 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	12
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



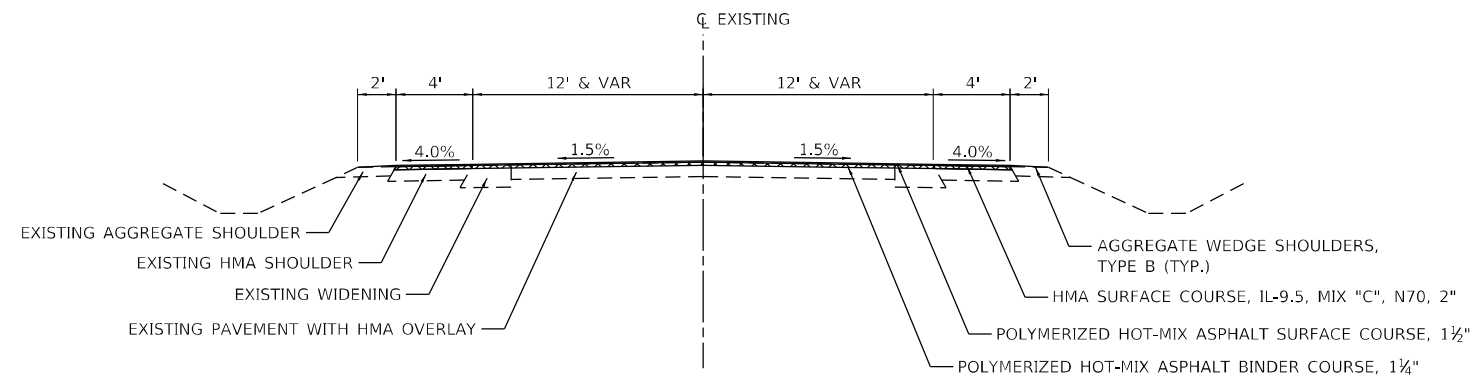
PROPOSED TYPICAL SECTION 17

IL RTE 32
STA. 48+10.00 TO STA. 53+01.78



PROPOSED TYPICAL SECTION 18

IL RTE 32
STA. 53+01.78 TO STA. 55+83.37



PROPOSED TYPICAL SECTION 19

TR 1000E (LAKE SARA RD)
STA. 60+00.00 TO STA. 63+80.70

LEGEND
 HMA SURFACE REMOVAL, 2"

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PLOT DATE = 12/14/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET 1	OF 8 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	13
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE - MAINLINE

LOCATION	WIDTH	LENGTH	AREA	COMMENTS	BITUMINOUS MATERIALS (TACK COAT)	LONGITUDINAL JOINT SEALANT	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N90	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	AGGREGATE WEDGE SHOULDER, TYPE B	
							TON	TON	TON	TON	SQ YD	SQ YD	TON	
STATION TO	STATION	FT	FT		POUND	FOOT								
541+50	550+00	24 TO 38	850	2928	ROADWAY	1976	1700		205		246	2928	8	
541+50	550+00	2x5		751	SHOULDERS	338		53		63		751		
550+00	551+75	38	175	739	ROADWAY	499	525		52		62	739	2	
550+00	551+75	5		98	SHOULDERS	44		7		8		98		
551+75	553+00	38	125	528	ROADWAY	356	375		37		44	528	1	
551+75	553+00	5		70	SHOULDERS	32		5		6		70		
553+00	886+00	50	722	4013	ROADWAY	2709	2167		281		337	4013	7	
553+00	886+00	2x5		802	SHOULDERS	361		57		67		802		
STA. EQ. 559+19.18 BK = 884+96.78 AH														
886+00	898+00	50	1200	6667	ROADWAY	4500	3676		467		560	5917	11	
886+00	898+00	2x5		978	SHOULDERS	440		69		82		978		
898+00	1009+83	62	11183	60420	ROADWAY	40784	44732		4229		5075	50750	106	
898+00	1007+60	2x5		11017	SHOULDERS	4958		772		925		11017		
1007+60	1009+83	2x3		396	SHOULDERS	178		28		33		396		
903+00	1009+83	14	10683	16618	CTL	11217			1164		1396	13798	2820	
SN 025-0078														
1013+19	1017+38	62	419	2234	OMISSION				156					
1013+19	1017+38	2x3		745	SHOULDERS	335				84		745	4	
1013+19	1017+38	14	419	652	CTL	440			46		55	652		
SN 025-0077														
1020+35	1036+00	14	1565	2434	CTL	1643			170		204	2434		
1020+35	1037+85	62	1750	12056	ROADWAY	8138	7000		844		1013	12056		
1020+35	1037+85	2x3		3111	SHOULDERS	1400				348		3111	17	
STA. EQ. 1039+00 BK = 39+00 AH														
IL 32														
48+10	55+91	24 TO VAR	781	3500	ROADWAY	2363	791		245		294	3821		
48+10	55+91	2x3-4		553	SHOULDERS	249				62		553	7	
TOTAL														
					84,467	62,642	991	7,896	1,678	9,474	101,015	30,616	163	

RESURFACING SCHEDULE - SIDE ROADS

SIDE ROAD	LOCATION	WIDTH	DEPTH	ARFA	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL)	
	STATION	FT	FT	SQ YD	SQ YD	TON	
CR 1700N	544+65 RT	50 TO 80	10	73	73	6	
CR 1700N	544+65 LT	50 TO 90	10	78	78	7	
CR 1000E	896+43 LT	110 TO 170	10	156	156	13	
CR 1000E	896+48 RT	120 TO 170	10	161	161	14	
CR 1075E	940+77 LT	50 TO 90	10	78	78	7	
NAZARENE RD	955+28 RT	50 TO 140	40	422-33	389	33	
LYNN ACRES RD	964+61 RT	40 TO 80	10	67	67	6	
IRSIH HILL RD	991+16 LT	50 TO 80	10	72	72	6	
BUSH DR	991+35 RT	40 TO 80	10	67	67	6	
CR 1200E	1015+03 LT	40 TO 80	10	67	67	6	
MARGUERITE LN	1023+77 LT	40 TO 80	10	67	67	6	
WOODLAND DR	1037+50 RT	40 TO 80	10	67	67	6	
IL 32							
CR 1700N	52+00 RT	40 TO 80	10	67	67	6	
CR 1700N	52+00 LT	40 TO 80	10	67	67	6	
TOTAL					1,476	124	

RESURFACING SCHEDULE - ENTRANCES

LOCATION	WIDTH	DEPTH	AREA TO RESURFACE	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	INCIDENTAL HOT MIX ASPHALT SURFACING (SPECIAL)			
SIDE	STATION	TYPE	FT	FT	SQ YD	SQ YD	TON	
LT	891+22	HMA	40 - 80	10	67	67	6	
LT	924+60	HMA	30 - 50	10	45	45	4	
RT	967+28	HMA	20 - 50	10	39	39	3	
RT	970+43	HMA	30 - 60	10	50	50	4	
RT	1021+73	HMA	50 - 70	10	67	67	6	
RT	1024+56	HMA	50 - 70	10	67	67	6	
LT	1034+16	HMA	30 - 60	10	50	50	4	
IL 32								
	50+50 RT	HMA	30 - 50	10	45	45	4	
	51+28 TR	HMA	30 - 50	10	45	45	4	
TOTAL						475	40	

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PLOT DATE = 12/13/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

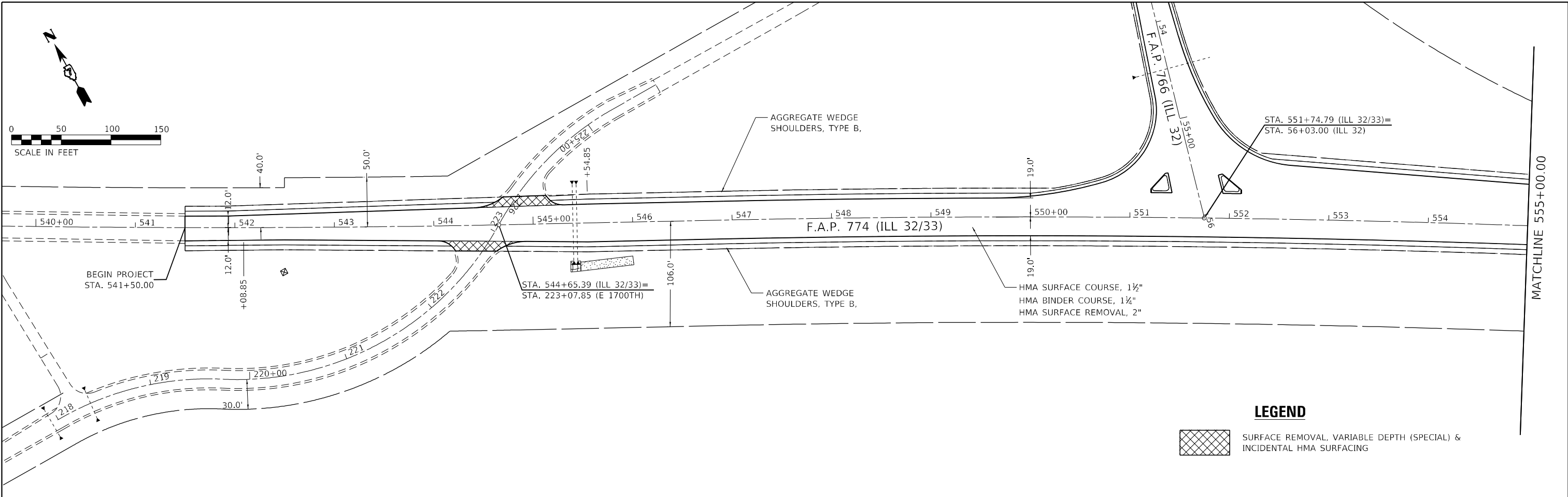
SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	14
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				

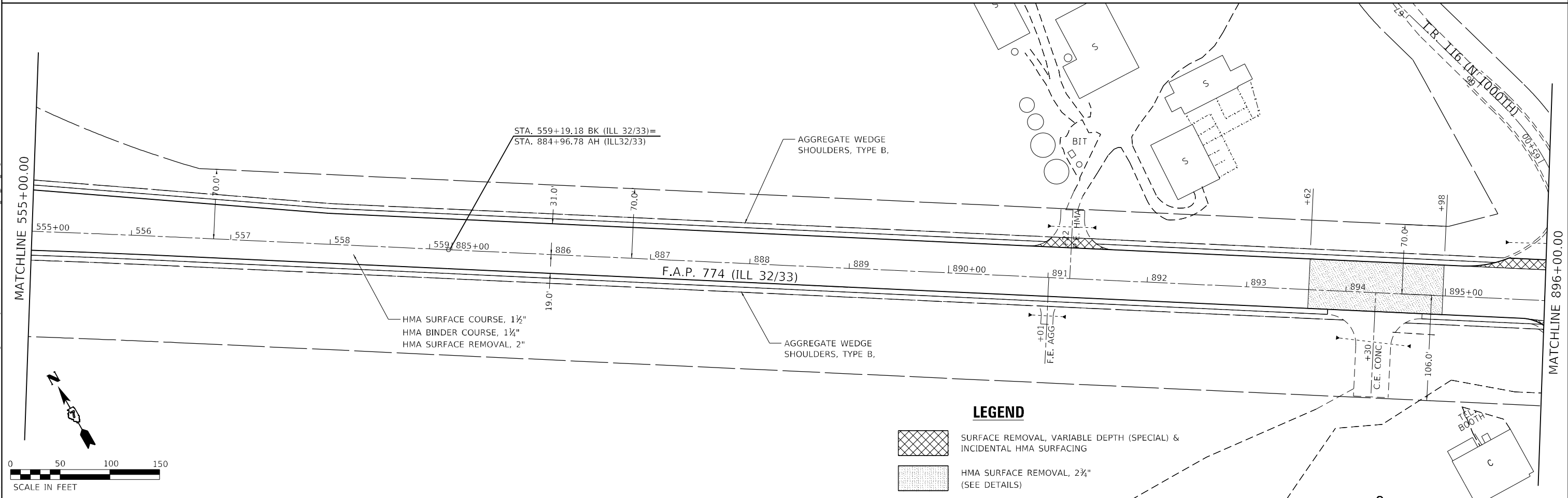
PAVEMENT MARKING SCHEDULE

LOCATION	SYMBOL	COMMENT	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"		THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"		THERMOPLASTIC PAVEMENT MARKING - LINE 24"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-STANDARD LETTERS AND SYMBOLS	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-STANDARD LINE 4"		PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-STANDARD LINE 6"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-STANDARD LINE 12"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - IN-LAID - LINE 6"	GROOVING FOR RECESSED PAVEMENT MARKING LETTERS and SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING 5"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	GROOVING FOR RECESSED PAVEMENT MARKING 9"	GROOVING FOR RECESSED PAVEMENT MARKING 13"	GROOVING FOR RECESSED PAVEMENT MARKING 25"		
						WHITE	YELLOW			WHITE	YELLOW			WHITE	YELLOW											
						FOOT	FOOT			FOOT	FOOT			FOOT	FOOT											
STATION TO STATION																										
STA. EQ. 559+19.18 BK = 884+96.78 AH																										
STA. EQ. 1039+00 BK = 39+00 AH																										
MAIN LINE																										
541+50 TO 552+14		CENTERLINE	300' x 2 Apps	200			2565	280			98															
541+50 TO 552+14	TURN ARROWS (5)				78.0														78.0							
541+50 TO 552+14 RT							975													975						
541+50 TO 552+14 LT							751														751					
552+14 TO 896+98		CENTERLINE	1112' x 2 Apps	742			6550				620													620		
552+14 TO 896+98 RT							1768	280												1768	280					
552+14 TO 896+98 LT							1649	310										230		1649	310					
552+14 TO 886+70	ONLY(4)				83.2															83.2						
552+14 TO 895+72	TURN ARROWS (10)				156.0															156.0						
896+98 TO 914+31		CENTERLINE	1040' x 2 Apps	693			4440				83										4440				83	
896+98 TO 914+31 RT							1554	155												1554	155					
896+98 TO 914+31 LT							1653	280												1653	280					
897+16 TO 899+78	TURN ARROWS (5)				78.0															78.0						
903+00 TO 913+21	2WLT(5)				156.0															156.0						
914+31 TO 941+06		CENTERLINE	1604' x 2 Apps	1070																						
914+31 TO 941+06 RT							2691														2691					
914+31 TO 941+06 LT							2575														2575					
914+61 TO 953+73	2WLT(17)				530.4															530.4						
941+06 TO 955+69		CENTERLINE	876' x 2 Apps	584			3506				36													36		
941+06 TO 955+69 RT							1468														1468					
941+06 TO 955+69 LT							1478														1478					
955+69 TO 970+00		CENTERLINE	856' x 2 Apps	570			2118				80										2118				80	
955+69 TO 970+00 RT							1364	280													1364	280				
955+69 TO 970+00 LT							1334														1334					
955+86 TO 958+49	TURN ARROWS (5)				78.0															78.0						
962+08 TO 968+89	2WLT(4)				124.8															124.8						
970+00 TO 975+00		CENTERLINE	300' x 2 Apps	200			1066																			
970+00 TO 975+00 RT							423														423					
970+00 TO 975+00 LT							510														510					
970+31 TO 973+94	2WLT(3)				93.6																93.6					
975+00 TO 977+84		CENTERLINE	172' x 2 Apps	114			470																			
975+00 TO 977+84 RT							212														212					
975+00 TO 977+84 LT							206														206					
975+39 TO 976+91	2WLT(2)				62.4																62.4					
977+84 TO 982+52		CENTERLINE	280' x 2 Apps	186			988																			
977+84 TO 982+52 RT							526														526					
977+84 TO 982+52 LT							383														383					
978+14 TO 981+48	2WLT(3)				93.6																93.6					
982+52 TO 991+74		CENTERLINE	552' x 2 Apps	368			2314																			
982+52 TO 991+74 RT							860														860					
982+52 TO 991+74 LT							815														815					
982+82 TO 990+69	2WLT(4)				124.8																124.8					
991+74 TO 1015+40		CENTERLINE	1420' x 2 Apps	946			5317				52															
991+74 TO 994+54	TURN ARROWS (5)				78.0																78.0					
991+74 TO 1015+40 RT							1840	152							320	1000	128				3160	280				
991+74 TO 1015+40 LT							1823	280							320	1000	128				2143	280				
991+74 TO 1010+00	2WLT(6)				187.2																187.2					
1011+50 TO 1015+00	TURN ARROWS (5)				46.8																46.8					
1015+40 TO 1019+00	2WLT(2)				31.2																31.2					
1015+40 TO 1017+38		CENTERLINE	36' x 2 Apps	24			624				36														36	
1015+40 TO 1017+38 RT							278														278					
1015+40 TO 1017+38 LT							236														236					
1017+38 TO 1024+19		CENTERLINE	492' x 2 Apps	328			774																			
1017+38 TO 1024+19 RT							307														307					
1017+38 TO 1024+19 LT							307								280	700					1287					
1020+69 TO 1023+10	2WLT(2)				62.4										280	700					587					
1024+19 TO 1037+85		CENTERLINE	820' x 2 Apps	547			3238																			
1024+19 TO 1037+85 RT							1302														1302					
1024+19 TO 1037+85 LT							1366														1366					
1024+49 TO 1037+85	2WLT(6)				187.2																187.2					
ROUTE 32																										
48+10 TO 56+06			160' x 2 Apps	107			2120				157														157	
48+10 TO 56+06 RT							865		169	103	31										865		169	103	31	
48+10 TO 56+06 LT							802		1291	399											802		1291	399		
SIDE ROADS																										
CR 1000E RD			88' x 2 Apps	58	15.6		156	160	16	442	178	8	30							15.6	316	16	442	186	30	
NAZARENE RD			88' x 2 Apps	58			160			131	77		30								160		131	77	30	
TOTAL				20392	6795	2268	32477	42932</																		



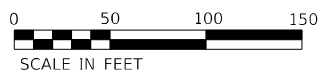
LEGEND

- SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL) & INCIDENTAL HMA SURFACING



LEGEND

- SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL) & INCIDENTAL HMA SURFACING
- HMA SURFACE REMOVAL, 2 3/4\"/>



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PLOT DATE = 12/13/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: SHEET 1 OF 8 SHEETS STA. 540+00.00 TO STA. 896+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	19
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				

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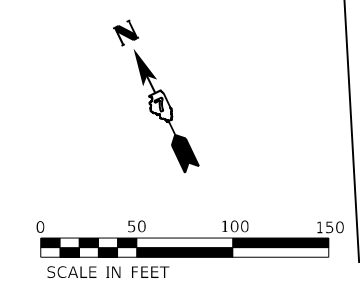
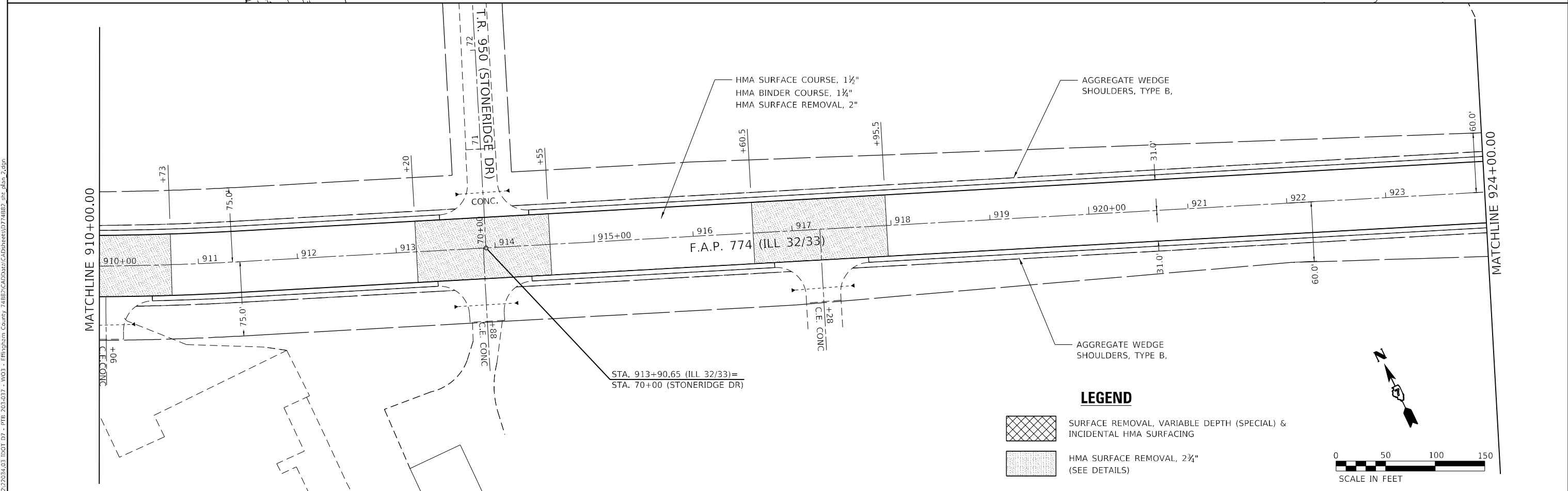
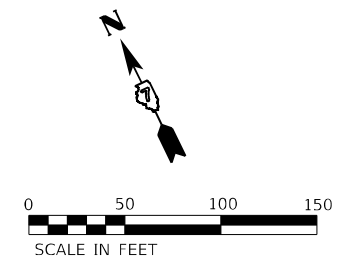
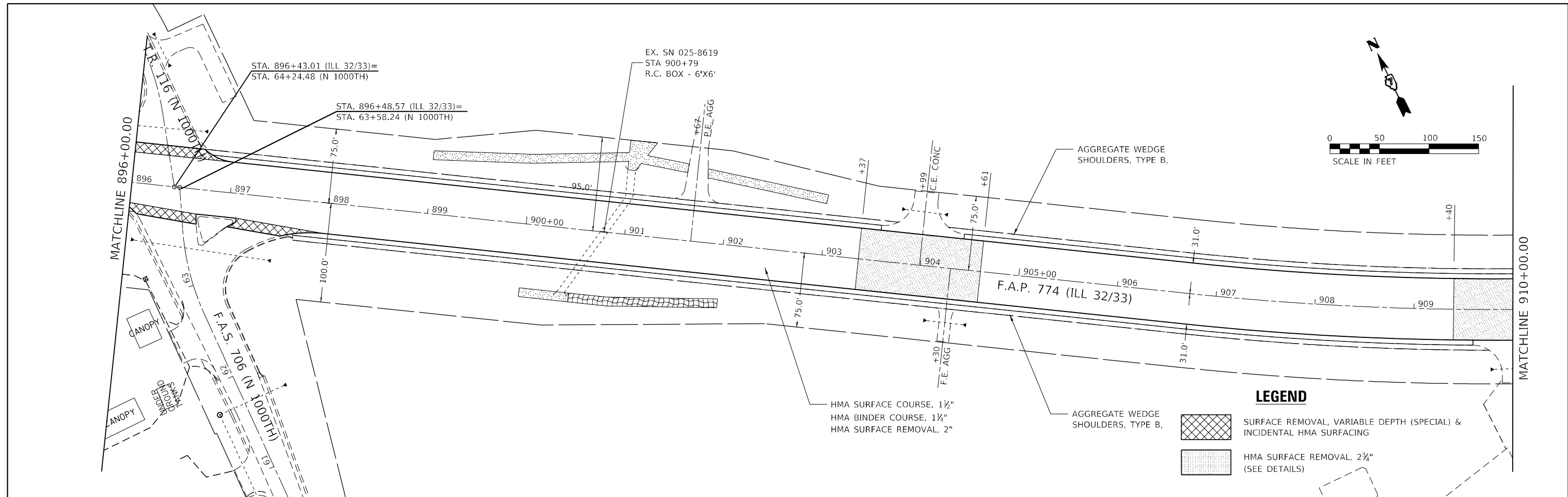


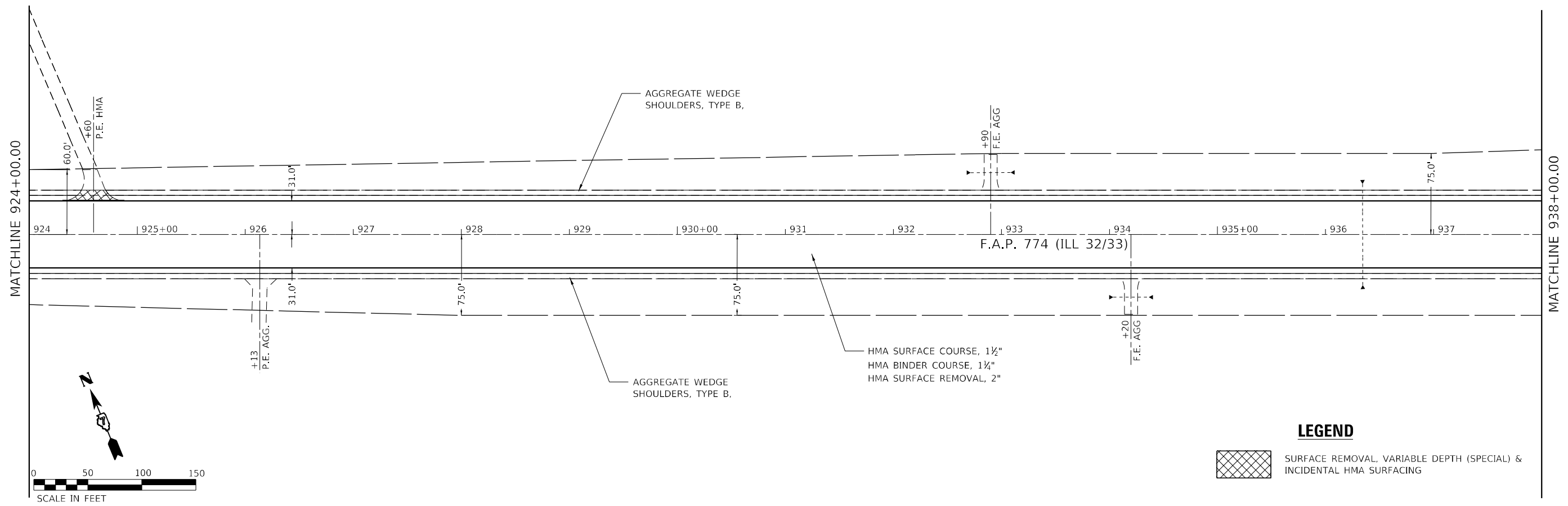
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PLOT DATE = 12/13/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE:	SHEET 2	OF 8 SHEETS	STA. 570+00.00 TO STA. 598+00.00

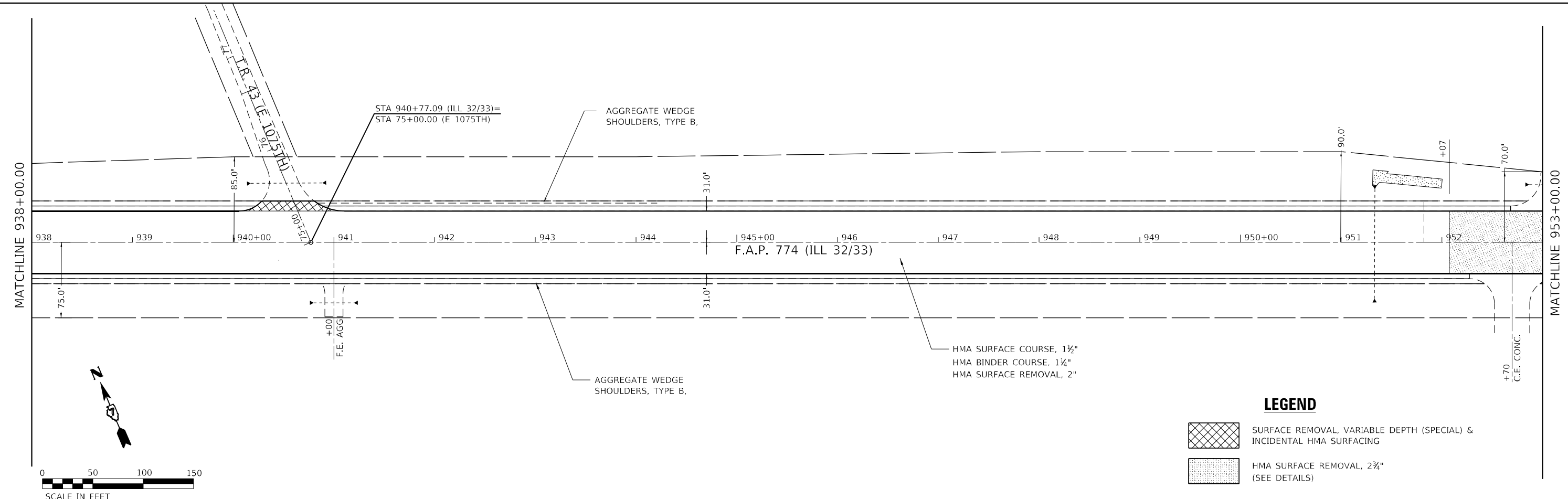
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	20
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				





LEGEND

- SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL) & INCIDENTAL HMA SURFACING



LEGEND

- SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL) & INCIDENTAL HMA SURFACING
- HMA SURFACE REMOVAL, 2 3/4" (SEE DETAILS)

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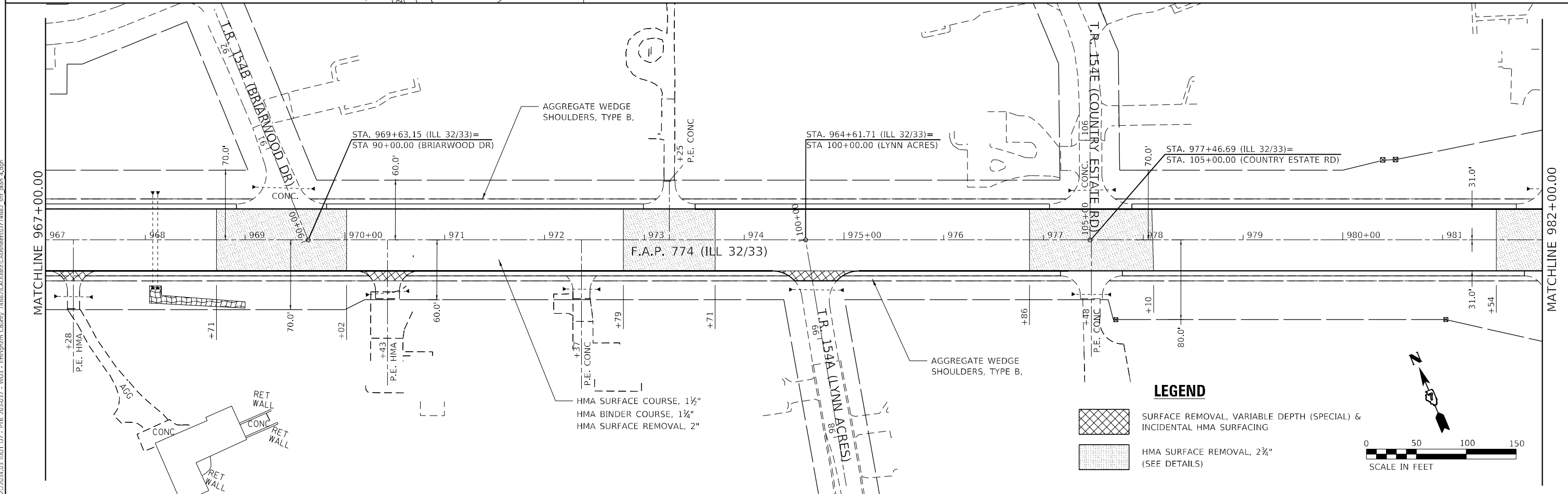
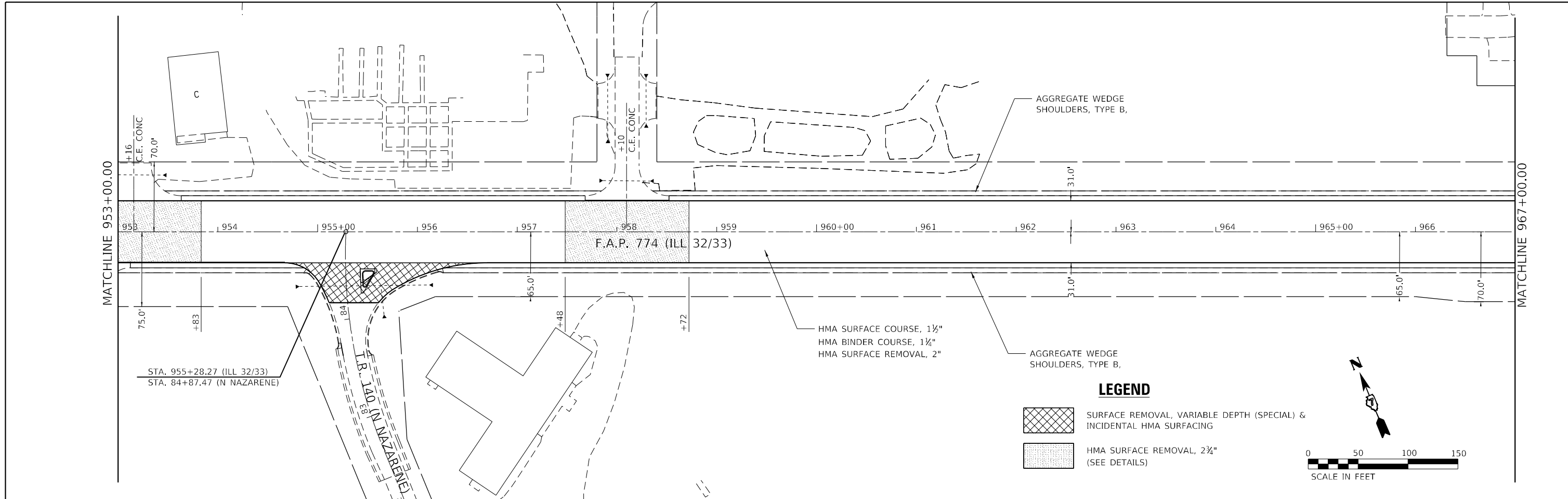
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE: SHEET 3 OF 8 SHEETS STA. 924+00.00 TO STA. 953+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	21
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



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 Springfield, IL 62702
 Phone: 217-618-0044

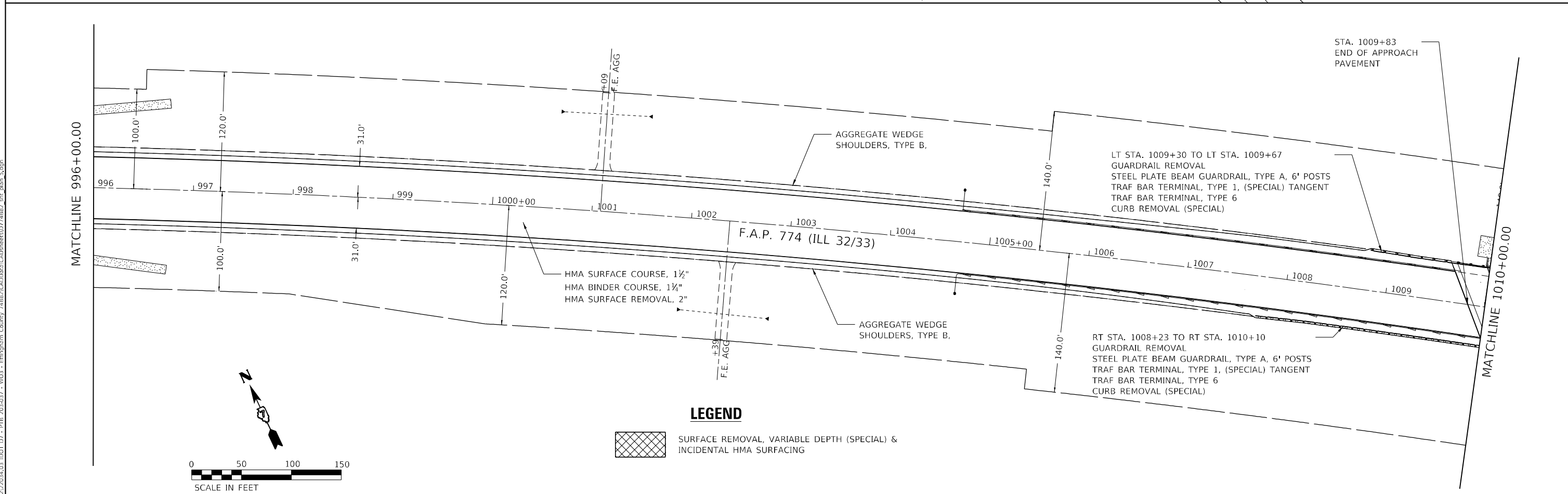
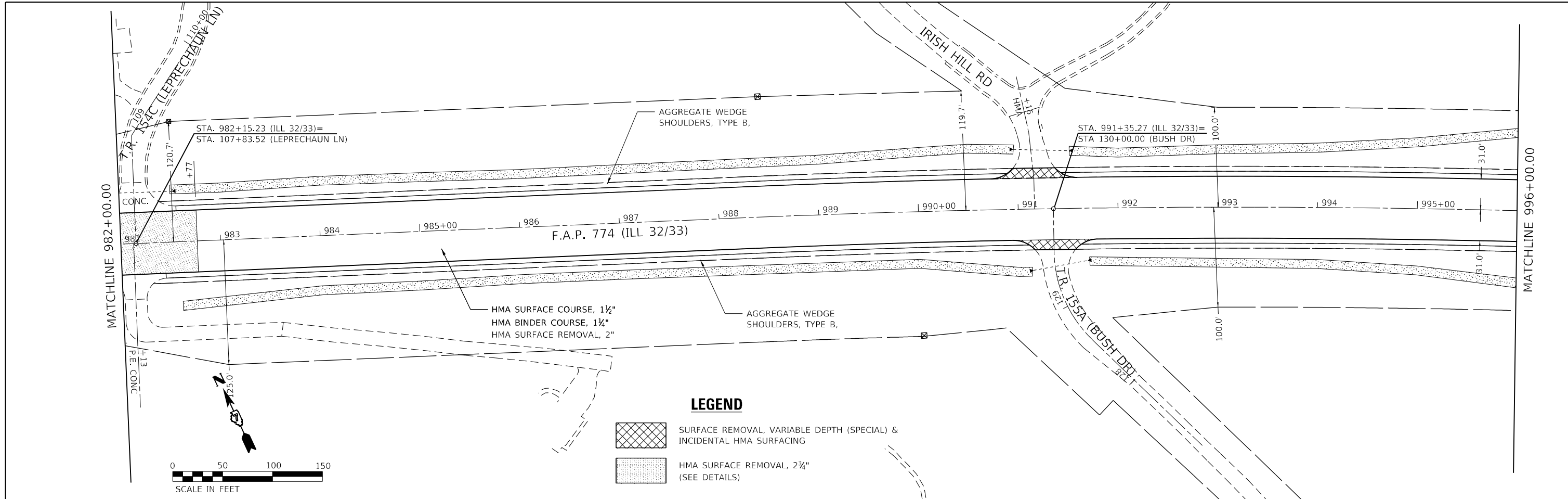
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE:	SHEET 4	OF 8 SHEETS	STA. 953+00.00 TO STA. 982+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	22
CONTRACT NO. 748B2				
ILLINOIS FED. AID PROJECT				

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 A Limited Liability Company
 109 N. 7th Street, 3rd Floor
 Springfield, IL 62702
 Phone: 217-683-0014

USER NAME = msutheard	DESIGNED -	REVISED -
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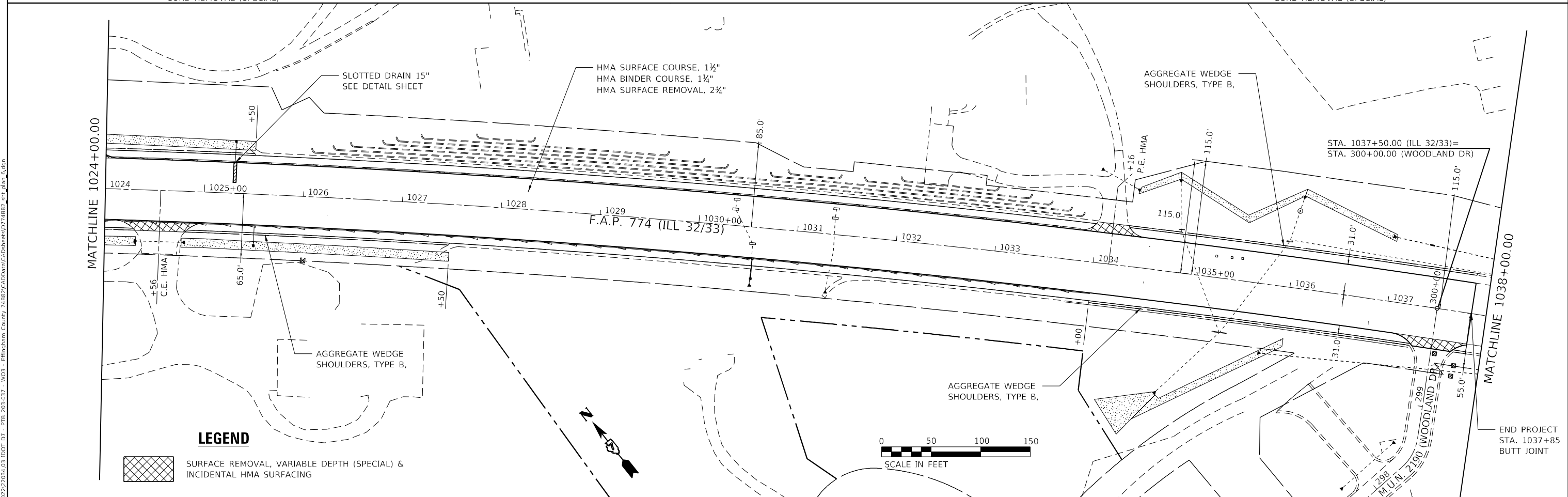
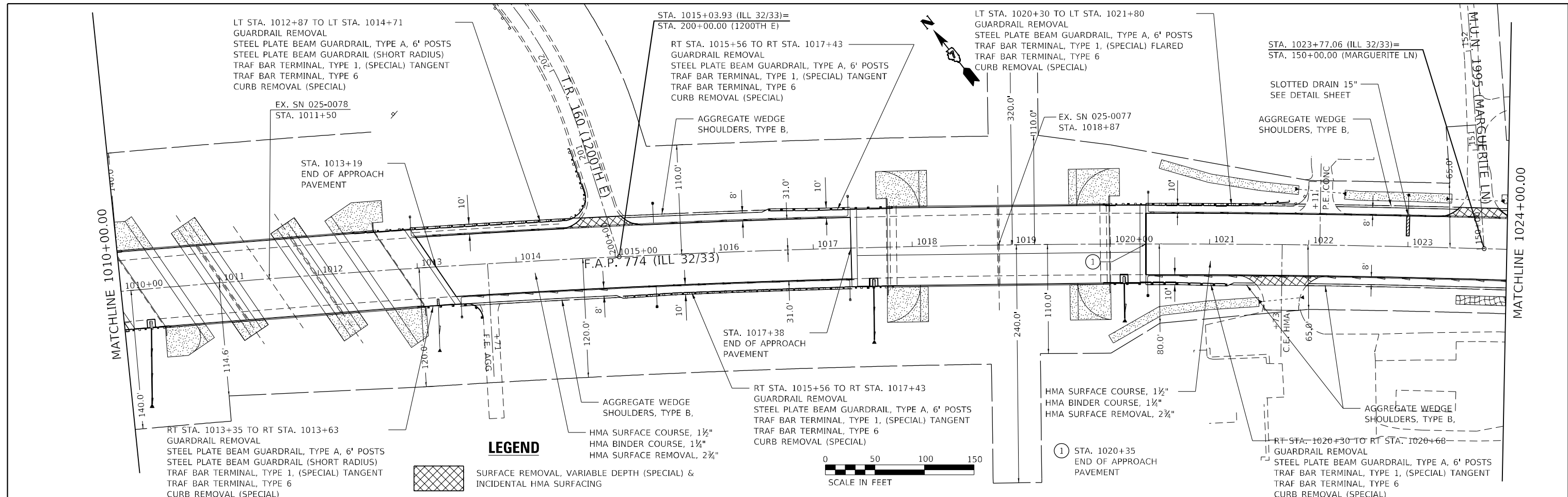
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET	
SCALE:	SHEET 5 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	23
CONTRACT NO. 74882				

SCALE:	SHEET 5 OF 8 SHEETS	STA. 982+00.00 TO STA. 1010+00.00	ILLINOIS	FED. AID PROJECT
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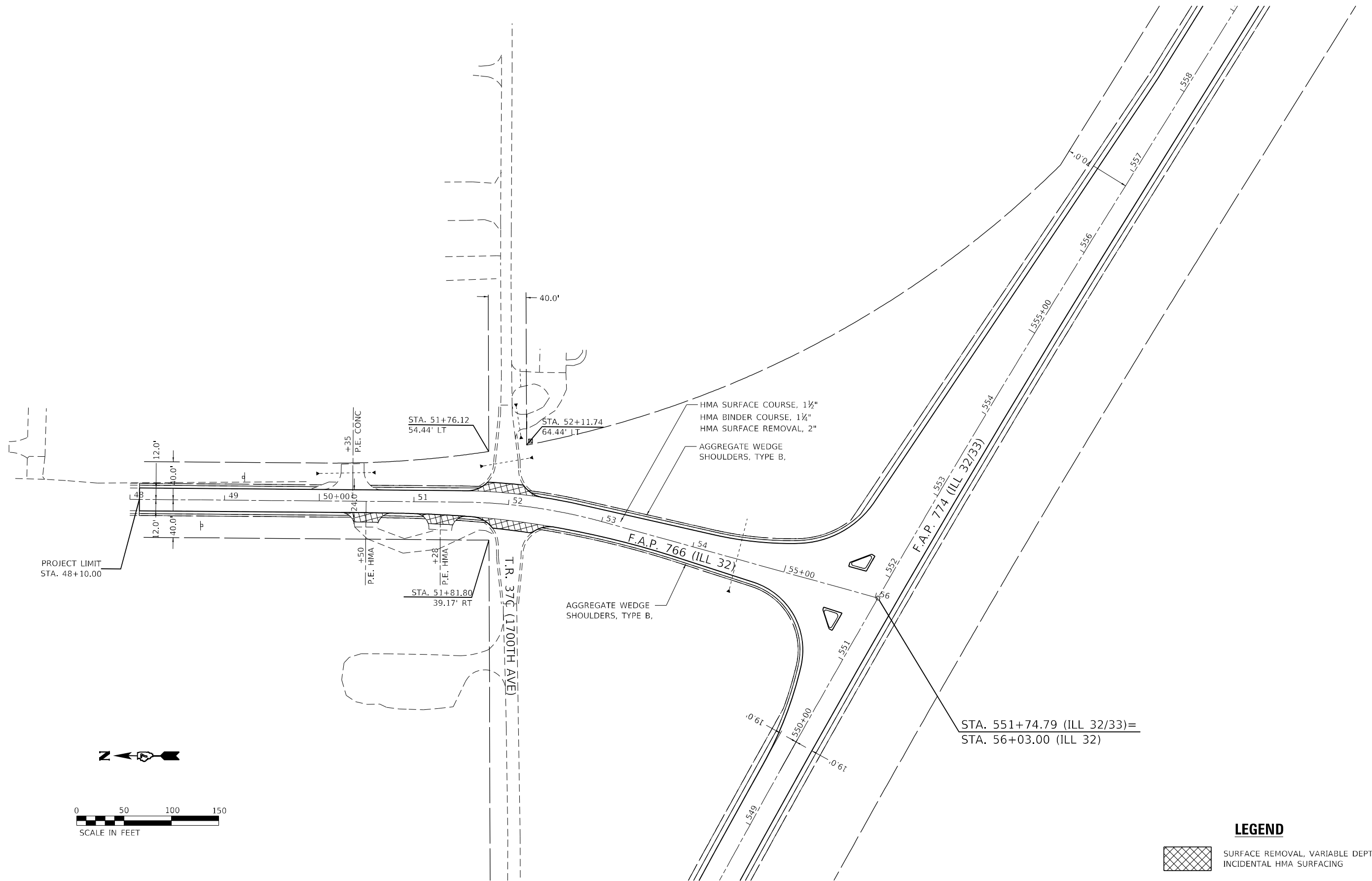
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KUHN & TRELLO
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 A Limited Liability Company
 109 N. 7th Street, 3rd Floor
 Springfield, IL 62702
 Phone: 217-618-0014
 Professional Design Firm No. 184-006516

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PLOT DATE = 12/13/2023	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
 SCALE: SHEET 6 OF 8 SHEETS STA. 1010+00.00 TO STA. 1038+00.00

F.A.P. RTE. 774	SECTION 107RS-1	COUNTY EFFINGHAM	TOTAL SHEETS 44	SHEET NO. 24
CONTRACT NO. 74882			ILLINOIS FED. AID PROJECT	



LEGEND

 SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL) & INCIDENTAL HMA SURFACING

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 Springfield, IL 62702
 Phone: 217-618-0014

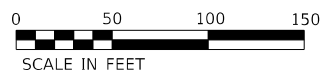
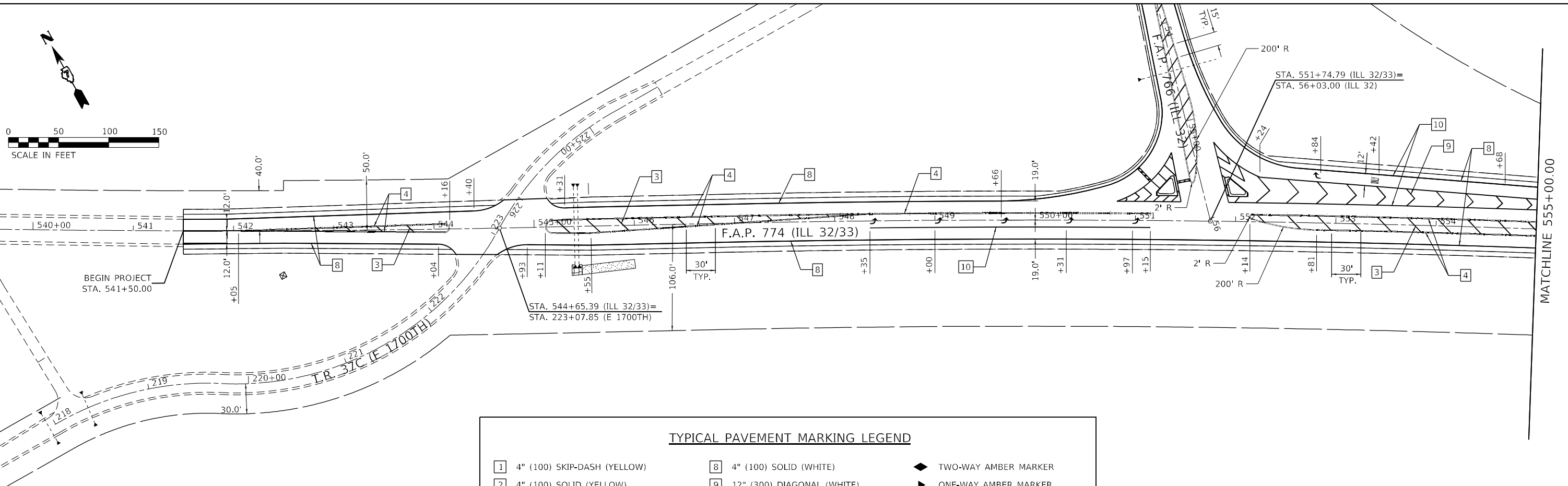
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

SCALE:	SHEET 8	OF 8	SHEETS	STA. 50+00.00	TO STA. 56+03.00
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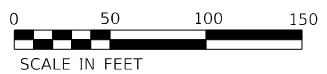
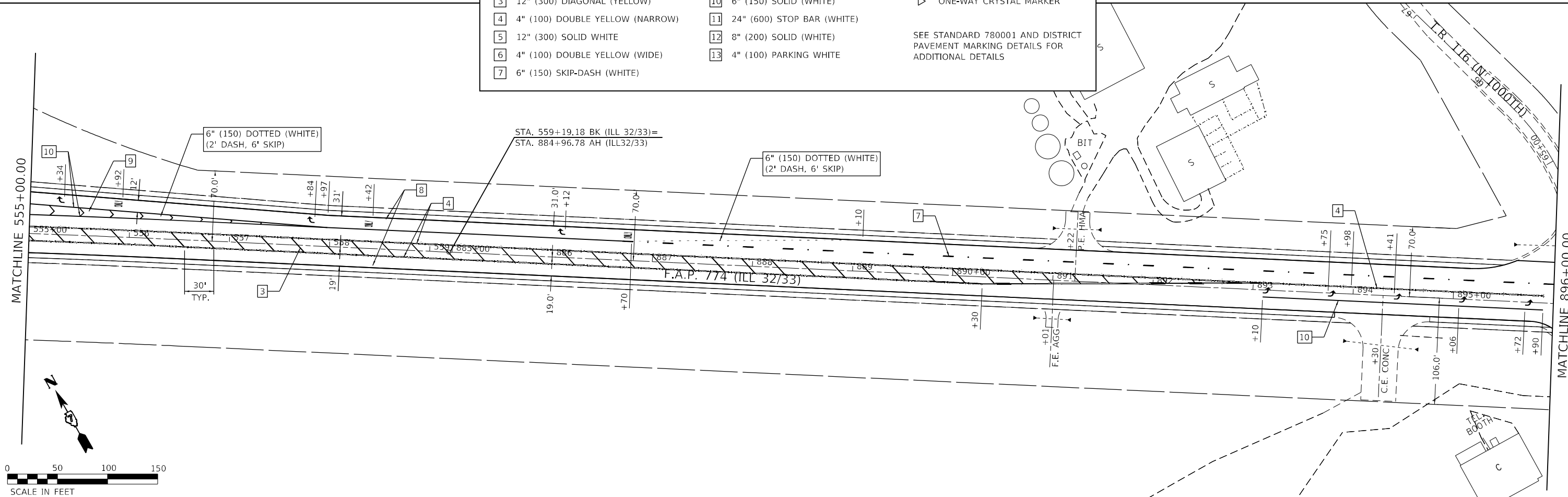
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	26
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

1 4" (100) SKIP-DASH (YELLOW)	8 4" (100) SOLID (WHITE)	◆ TWO-WAY AMBER MARKER
2 4" (100) SOLID (YELLOW)	9 12" (300) DIAGONAL (WHITE)	▶ ONE-WAY AMBER MARKER
3 12" (300) DIAGONAL (YELLOW)	10 6" (150) SOLID (WHITE)	▷ ONE-WAY CRYSTAL MARKER
4 4" (100) DOUBLE YELLOW (NARROW)	11 24" (600) STOP BAR (WHITE)	
5 12" (300) SOLID WHITE	12 8" (200) SOLID (WHITE)	
6 4" (100) DOUBLE YELLOW (WIDE)	13 4" (100) PARKING WHITE	
7 6" (150) SKIP-DASH (WHITE)		

SEE STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS



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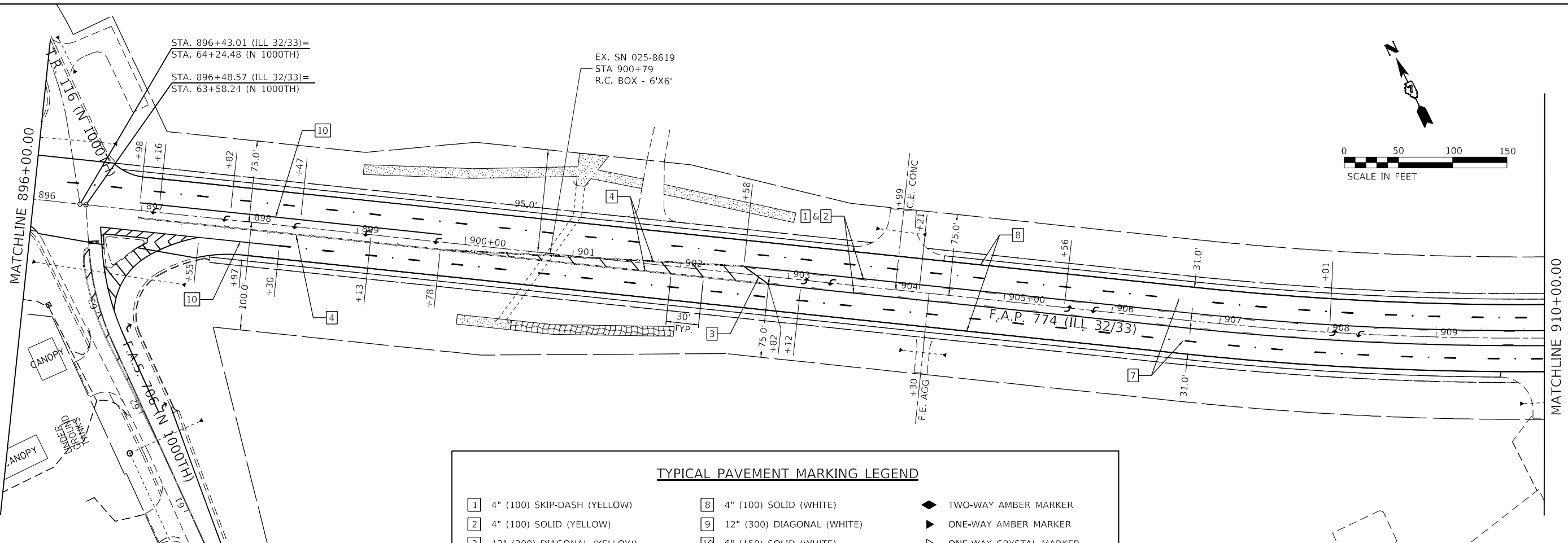
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: SHEET 1 OF 8 SHEETS STA. 540+00.00 TO STA. 896+00.00

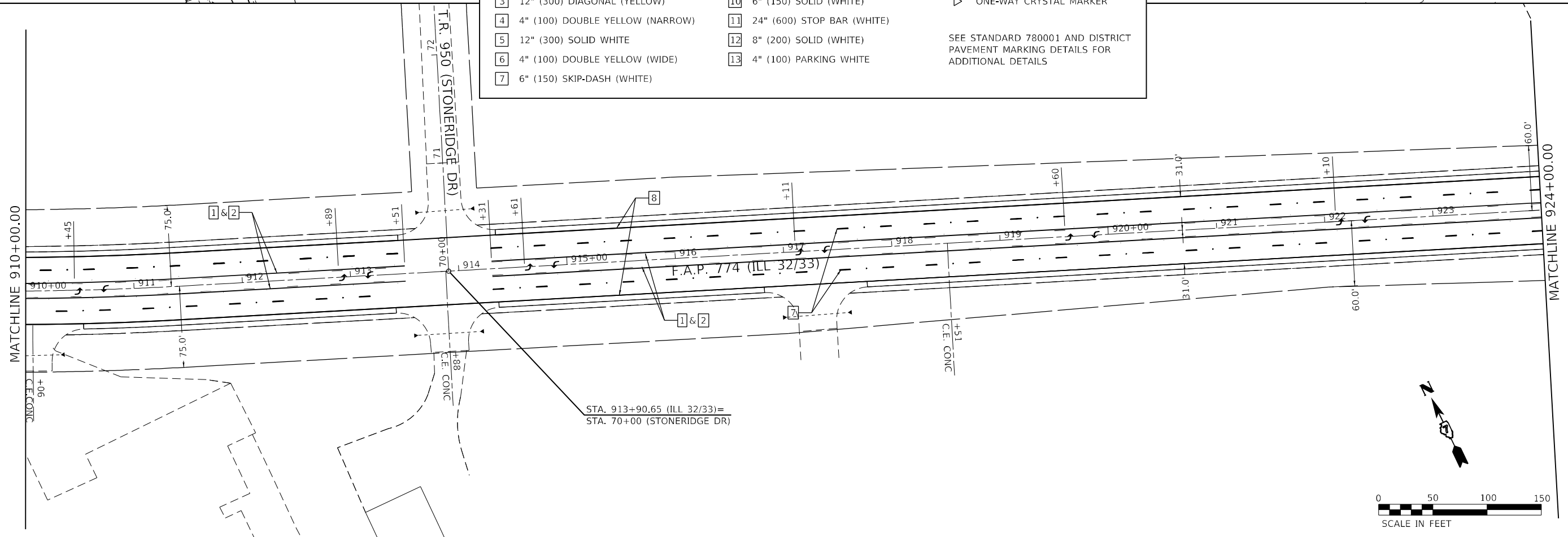
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	27
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

1 4" (100) SKIP-DASH (YELLOW)	8 4" (100) SOLID (WHITE)	◆ TWO-WAY AMBER MARKER
2 4" (100) SOLID (YELLOW)	9 12" (300) DIAGONAL (WHITE)	▶ ONE-WAY AMBER MARKER
3 12" (300) DIAGONAL (YELLOW)	10 6" (150) SOLID (WHITE)	▽ ONE-WAY CRYSTAL MARKER
4 4" (100) DOUBLE YELLOW (NARROW)	11 24" (600) STOP BAR (WHITE)	
5 12" (300) SOLID WHITE	12 8" (200) SOLID (WHITE)	
6 4" (100) DOUBLE YELLOW (WIDE)	13 4" (100) PARKING WHITE	
7 6" (150) SKIP-DASH (WHITE)		

SEE STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS



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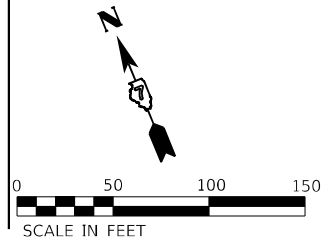
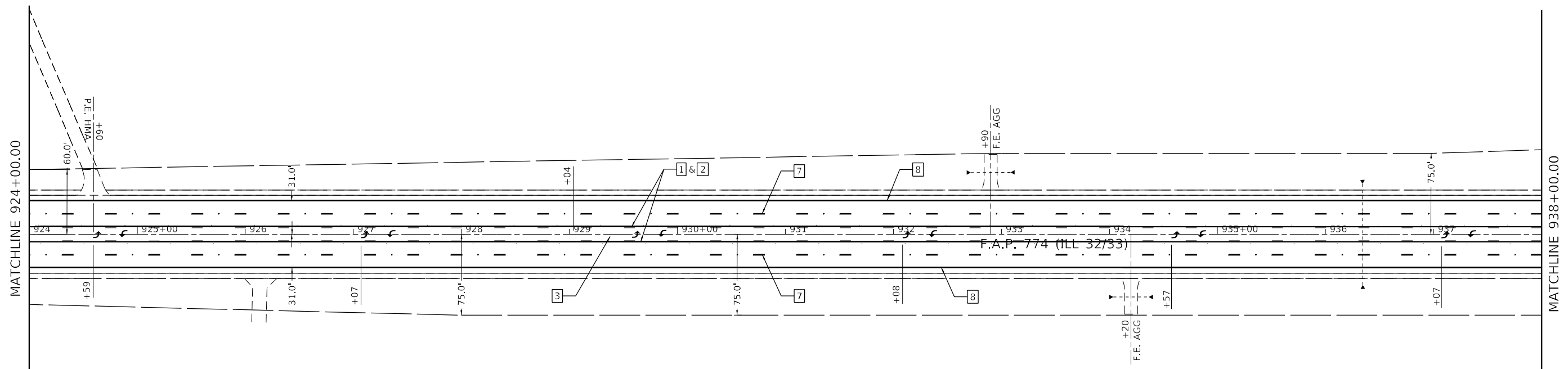
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

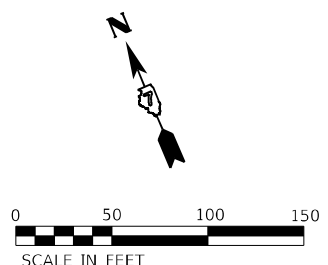
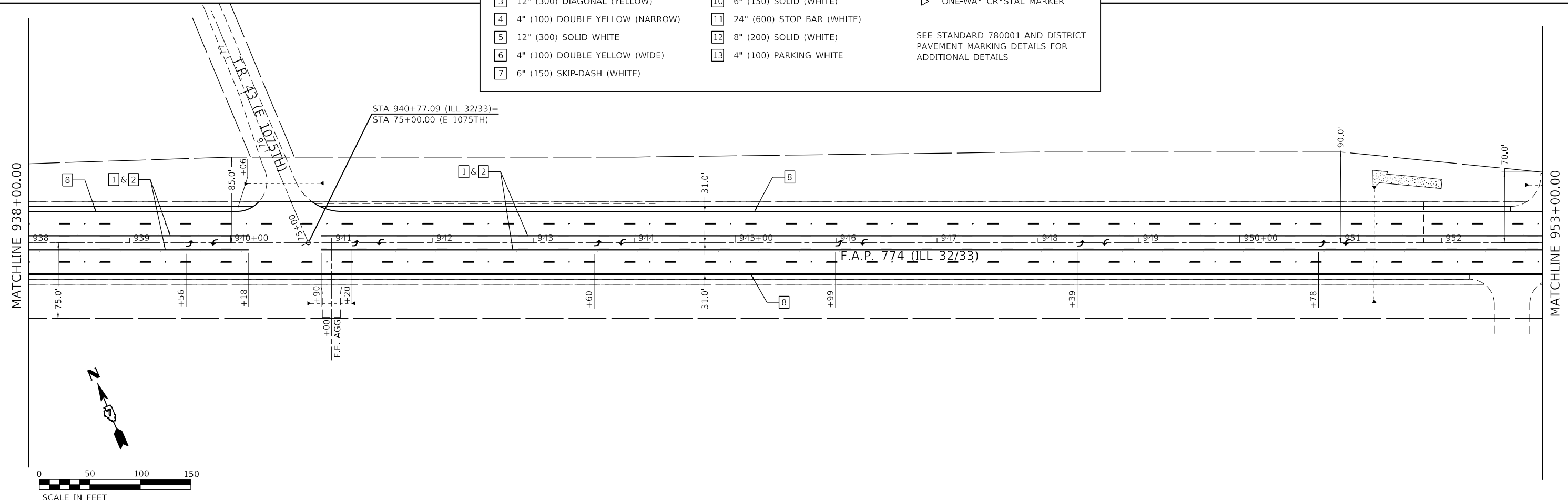
PAVEMENT MARKING PLAN

SCALE: SHEET 2 OF 8 SHEETS STA. 570+00.00 TO STA. 598+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	28
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND		
1	4" (100) SKIP-DASH (YELLOW)	◆ TWO-WAY AMBER MARKER ▶ ONE-WAY AMBER MARKER ▷ ONE-WAY CRYSTAL MARKER
2	4" (100) SOLID (YELLOW)	
3	12" (300) DIAGONAL (YELLOW)	
4	4" (100) DOUBLE YELLOW (NARROW)	SEE STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS
5	12" (300) SOLID WHITE	
6	4" (100) DOUBLE YELLOW (WIDE)	
7	6" (150) SKIP-DASH (WHITE)	
8	4" (100) SOLID (WHITE)	
9	12" (300) DIAGONAL (WHITE)	
10	6" (150) SOLID (WHITE)	
11	24" (600) STOP BAR (WHITE)	
12	8" (200) SOLID (WHITE)	
13	4" (100) PARKING WHITE	



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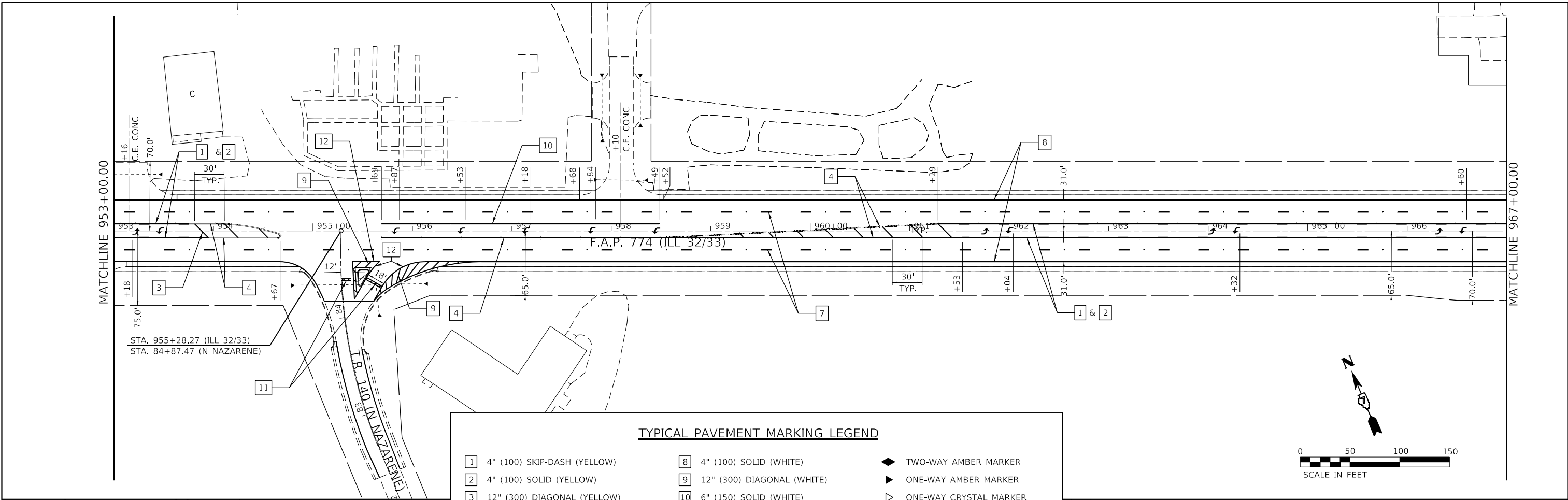


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

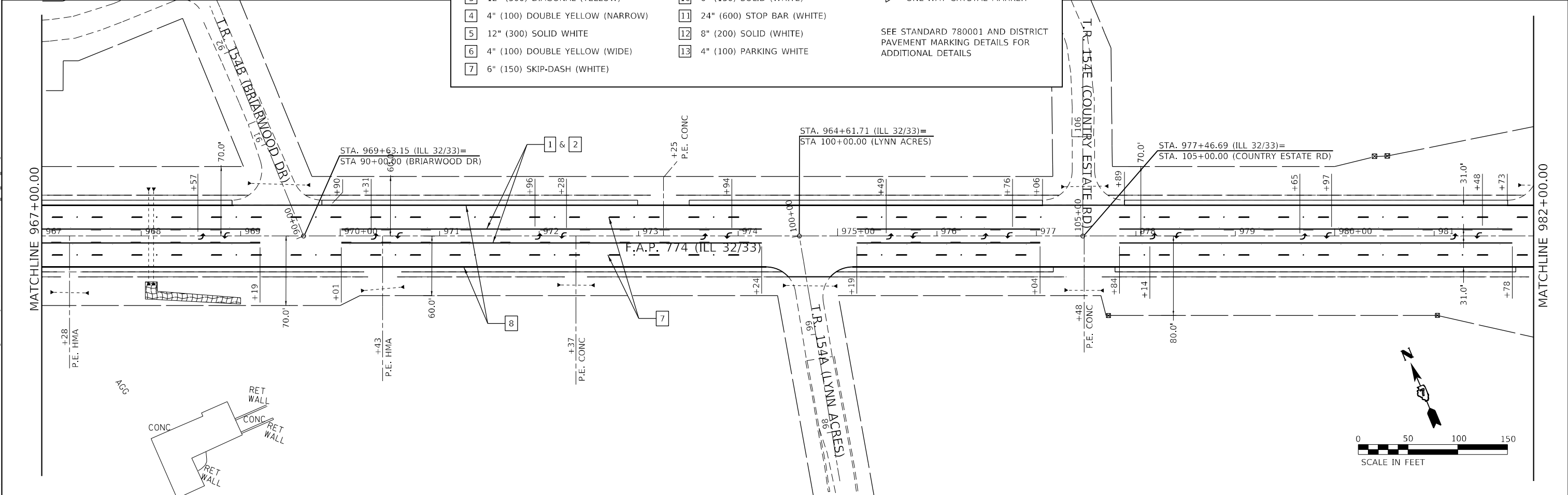
PAVEMENT MARKING PLAN	
SCALE:	SHEET 3 OF 8 SHEETS STA. 924+00.00 TO STA. 953+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	29
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

1 4" (100) SKIP-DASH (YELLOW)	8 4" (100) SOLID (WHITE)	◆ TWO-WAY AMBER MARKER
2 4" (100) SOLID (YELLOW)	9 12" (300) DIAGONAL (WHITE)	▶ ONE-WAY AMBER MARKER
3 12" (300) DIAGONAL (YELLOW)	10 6" (150) SOLID (WHITE)	▷ ONE-WAY CRYSTAL MARKER
4 4" (100) DOUBLE YELLOW (NARROW)	11 24" (600) STOP BAR (WHITE)	
5 12" (300) SOLID WHITE	12 8" (200) SOLID (WHITE)	SEE STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS
6 4" (100) DOUBLE YELLOW (WIDE)	13 4" (100) PARKING WHITE	
7 6" (150) SKIP-DASH (WHITE)		



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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE:	SHEET 4 OF 8 SHEETS	STA. 953+00.00 TO STA. 982+00.00
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	30
CONTRACT NO. 748B2				
ILLINOIS FED. AID PROJECT				

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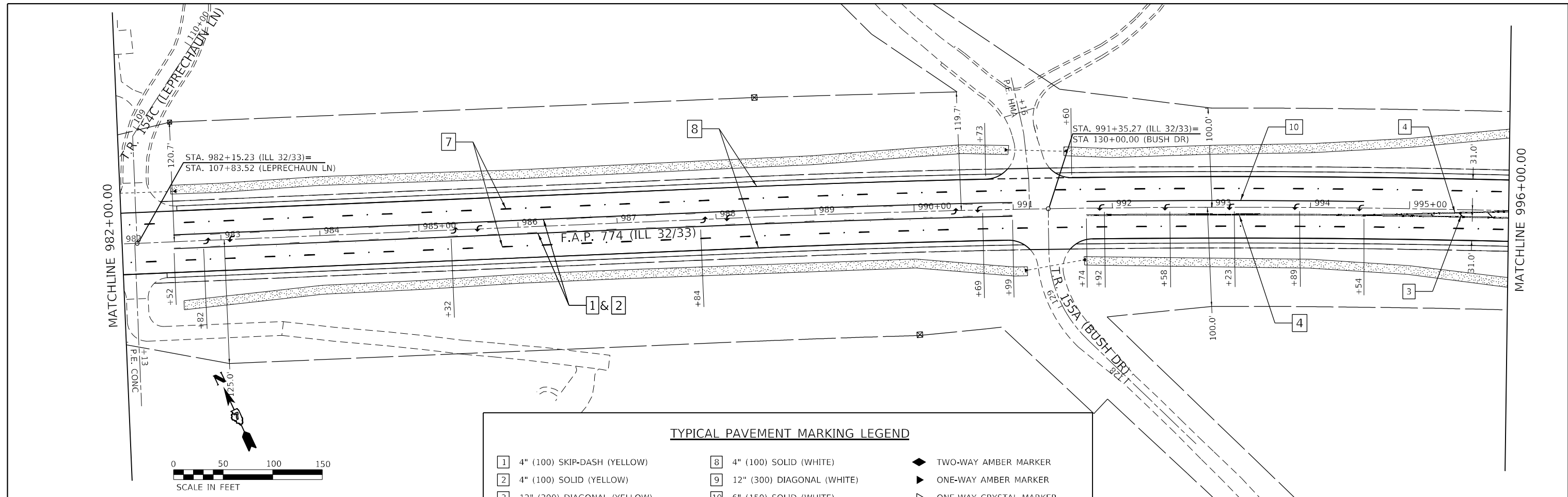
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

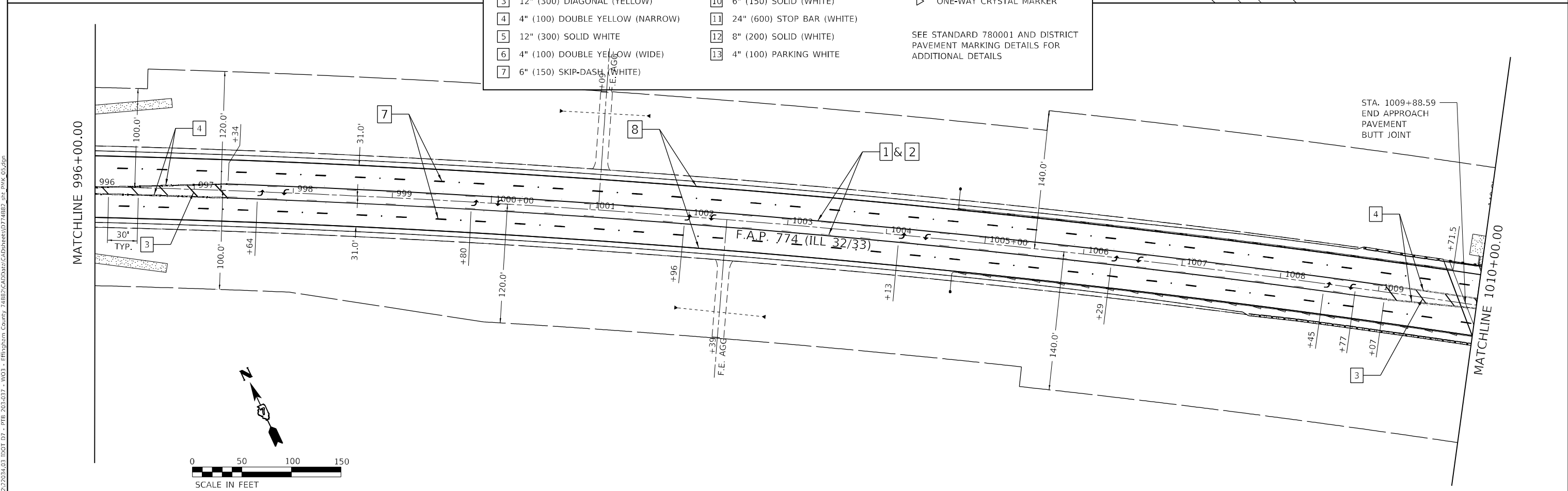
SCALE: SHEET 5 OF 8 SHEETS STA. 982+00.00 TO STA. 1010+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	31
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

1 4" (100) SKIP-DASH (YELLOW)	8 4" (100) SOLID (WHITE)	◆ TWO-WAY AMBER MARKER
2 4" (100) SOLID (YELLOW)	9 12" (300) DIAGONAL (WHITE)	▶ ONE-WAY AMBER MARKER
3 12" (300) DIAGONAL (YELLOW)	10 6" (150) SOLID (WHITE)	▷ ONE-WAY CRYSTAL MARKER
4 4" (100) DOUBLE YELLOW (NARROW)	11 24" (600) STOP BAR (WHITE)	
5 12" (300) SOLID WHITE	12 8" (200) SOLID (WHITE)	SEE STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS
6 4" (100) DOUBLE YELLOW (WIDE)	13 4" (100) PARKING WHITE	
7 6" (150) SKIP-DASH (WHITE)		



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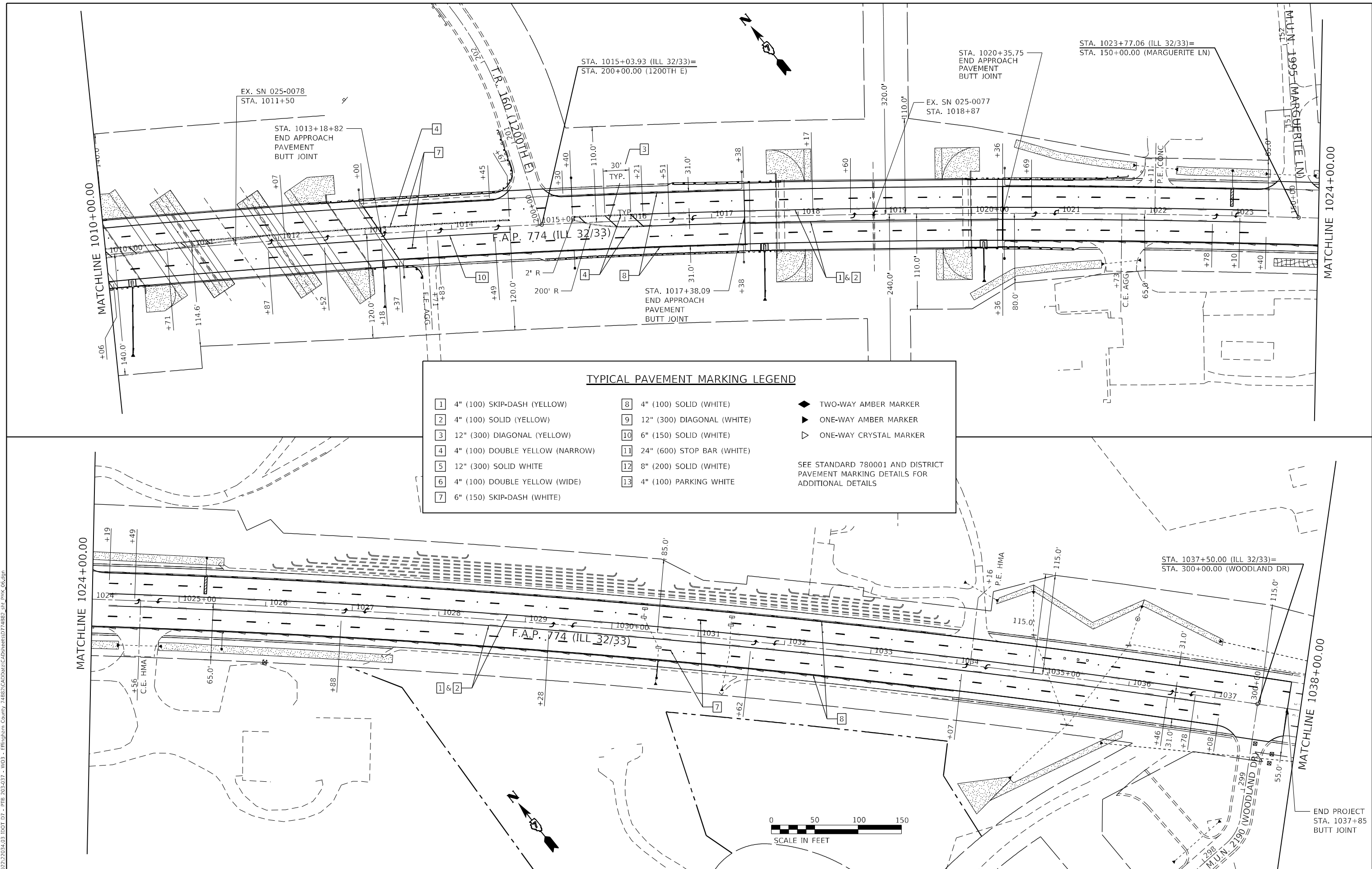
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: SHEET 6 OF 8 SHEETS STA. 1010+00.00 TO STA. 1038+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	32
CONTRACT NO. 74882			ILLINOIS FED. AID PROJECT	

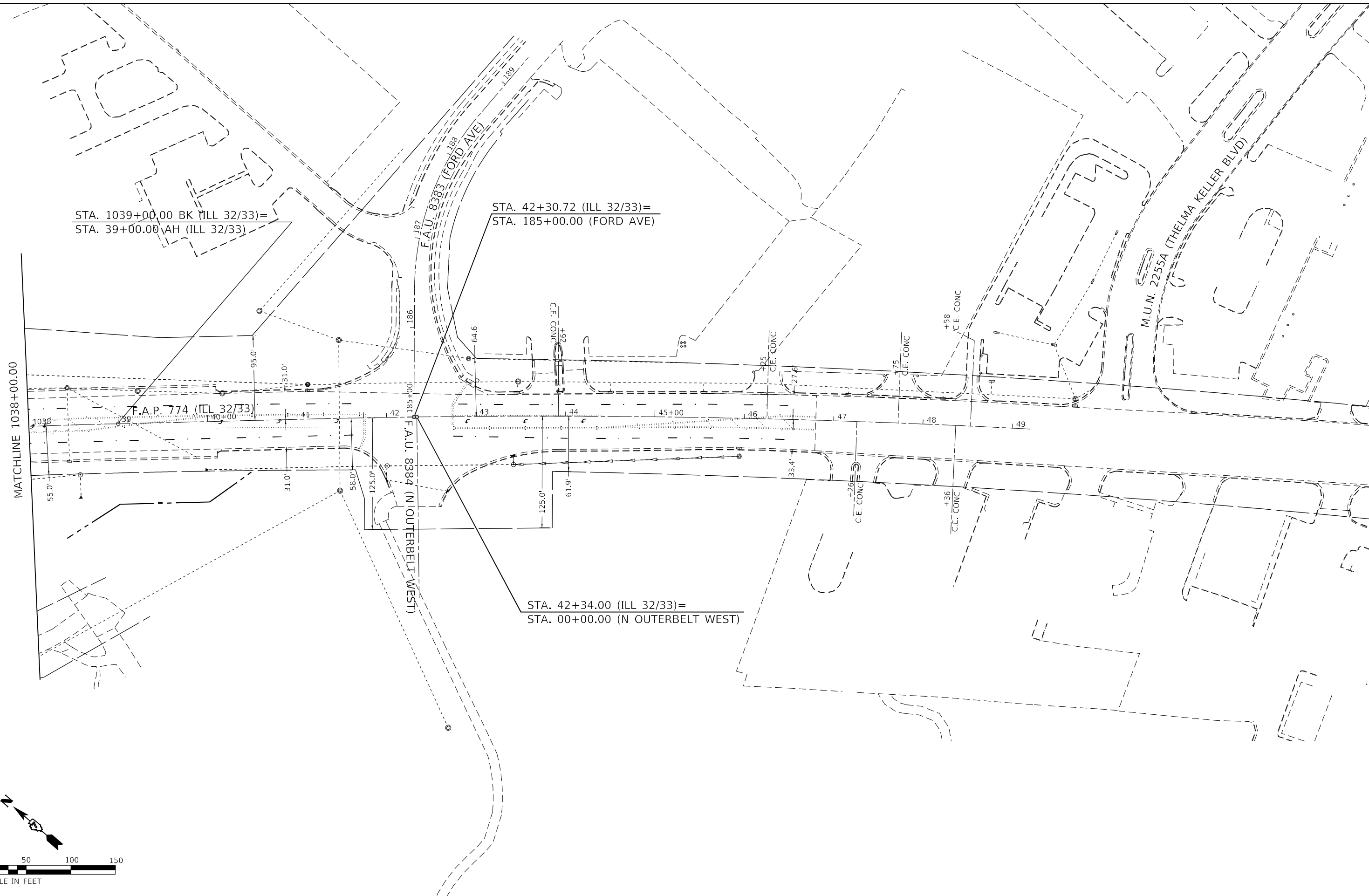
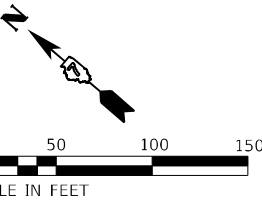


TYPICAL PAVEMENT MARKING LEGEND

1	4" (100) SKIP-DASH (YELLOW)	8	4" (100) SOLID (WHITE)	◆	TWO-WAY AMBER MARKER
2	4" (100) SOLID (YELLOW)	9	12" (300) DIAGONAL (WHITE)	▶	ONE-WAY AMBER MARKER
3	12" (300) DIAGONAL (YELLOW)	10	6" (150) SOLID (WHITE)	▷	ONE-WAY CRYSTAL MARKER
4	4" (100) DOUBLE YELLOW (NARROW)	11	24" (600) STOP BAR (WHITE)		
5	12" (300) SOLID WHITE	12	8" (200) SOLID (WHITE)		
6	4" (100) DOUBLE YELLOW (WIDE)	13	4" (100) PARKING WHITE		
7	6" (150) SKIP-DASH (WHITE)				SEE STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS



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STA. 1039+00.00 BK (ILL 32/33) =
 STA. 39+00.00 AH (ILL 32/33)

STA. 42+30.72 (ILL 32/33) =
 STA. 185+00.00 (FORD AVE)

STA. 42+34.00 (ILL 32/33) =
 STA. 00+00.00 (N OUTERBELT WEST)

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 Professional Design Firm No. 184-006516

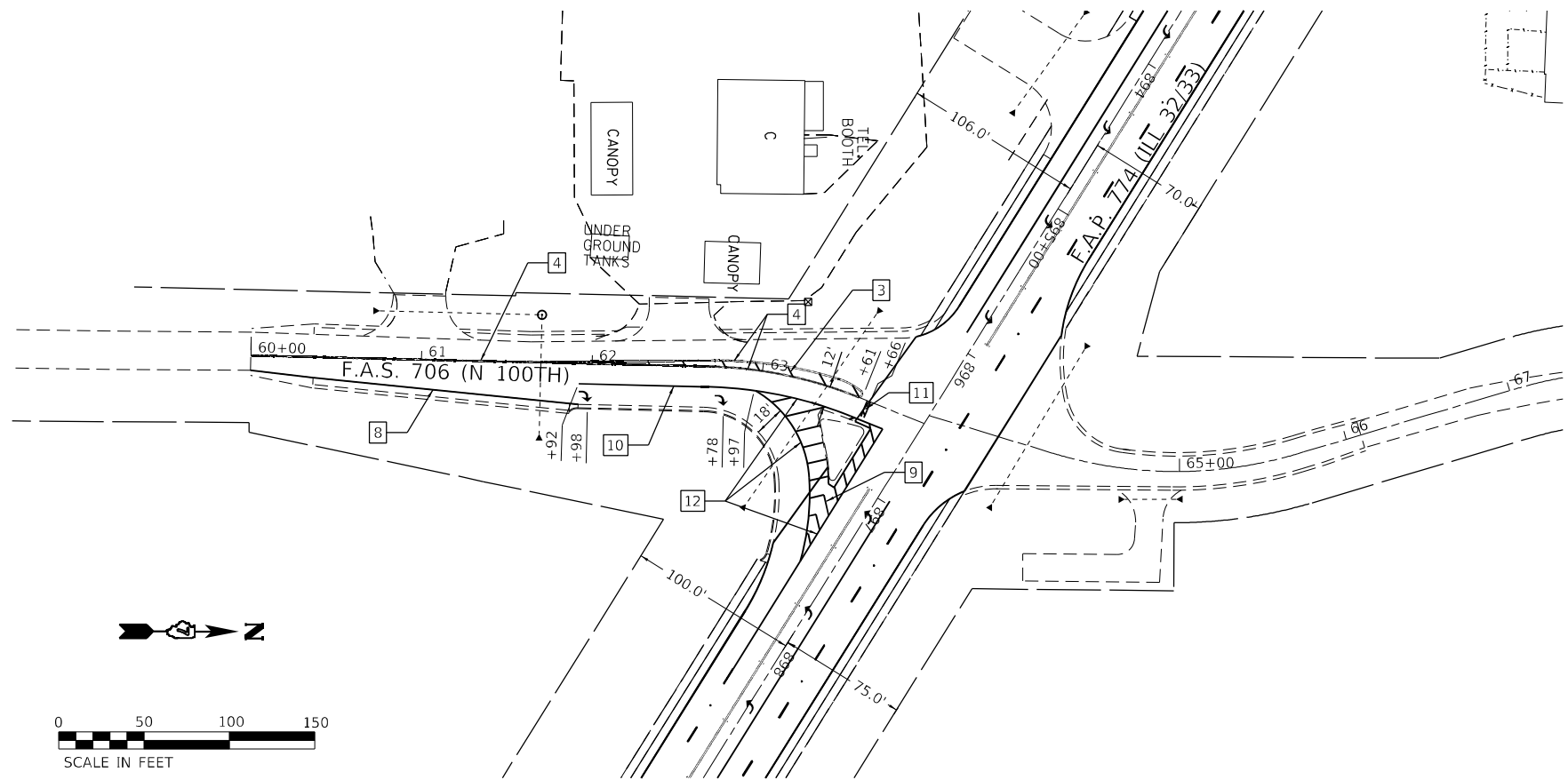
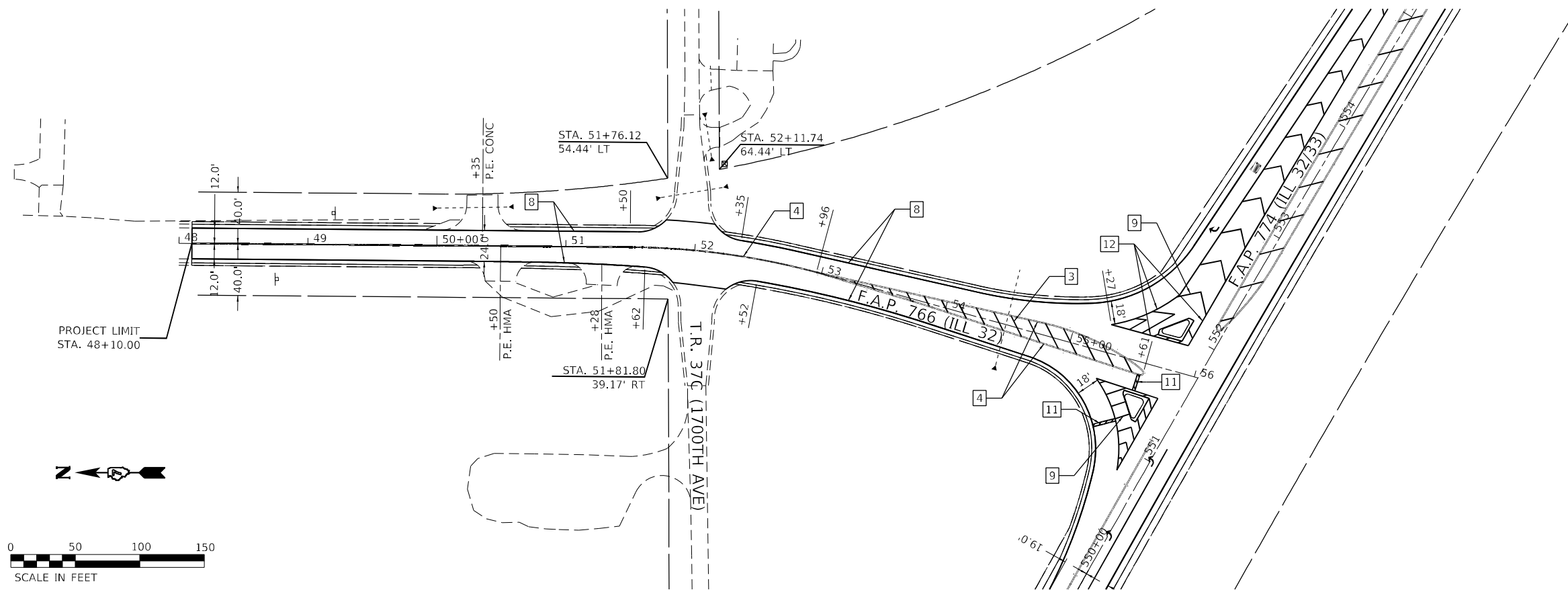
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	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE:	SHEET 7 OF 8 SHEETS	STA. 1038+00.00 TO STA. 49+20.18
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	33
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

1	4" (100) SKIP-DASH (YELLOW)	8	4" (100) SOLID (WHITE)	◆	TWO-WAY AMBER MARKER
2	4" (100) SOLID (YELLOW)	9	12" (300) DIAGONAL (WHITE)	▶	ONE-WAY AMBER MARKER
3	12" (300) DIAGONAL (YELLOW)	10	6" (150) SOLID (WHITE)	▷	ONE-WAY CRYSTAL MARKER
4	4" (100) DOUBLE YELLOW (NARROW)	11	24" (600) STOP BAR (WHITE)		
5	12" (300) SOLID WHITE	12	8" (200) SOLID (WHITE)		
6	4" (100) DOUBLE YELLOW (WIDE)	13	4" (100) PARKING WHITE		
7	6" (150) SKIP-DASH (WHITE)				

SEE STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS

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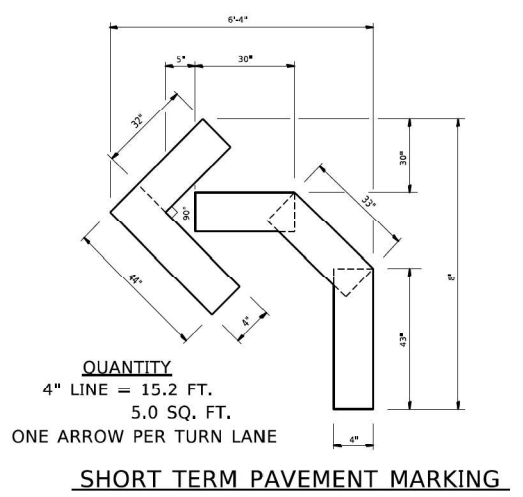
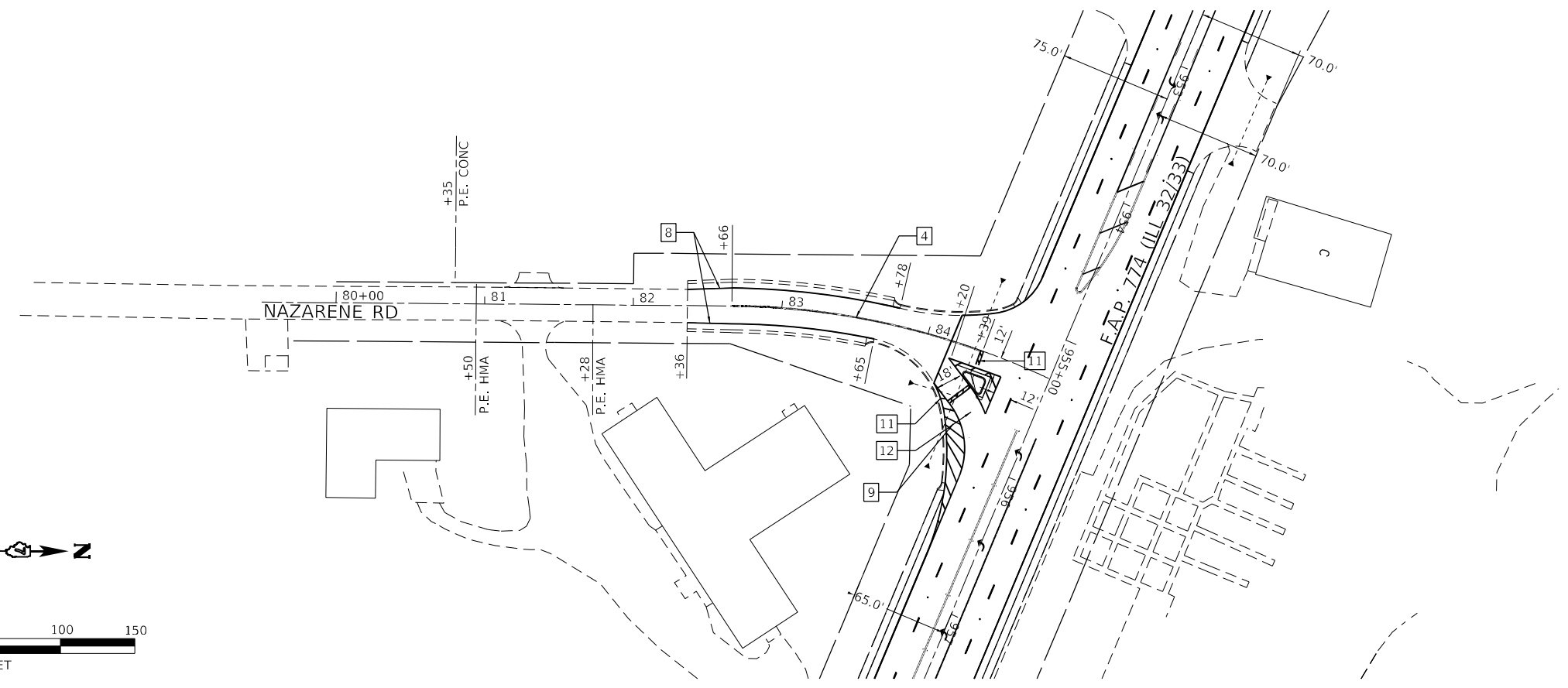


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN			
SCALE:	SHEET 8 OF 8 SHEETS	STA. 50+00.00	TO STA. 56+03.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	34
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



TYPICAL PAVEMENT MARKING LEGEND

1	4" (100) SKIP-DASH (YELLOW)	8	4" (100) SOLID (WHITE)	◆	TWO-WAY AMBER MARKER
2	4" (100) SOLID (YELLOW)	9	12" (300) DIAGONAL (WHITE)	▶	ONE-WAY AMBER MARKER
3	12" (300) DIAGONAL (YELLOW)	10	6" (150) SOLID (WHITE)	▷	ONE-WAY CRYSTAL MARKER
4	4" (100) DOUBLE YELLOW (NARROW)	11	24" (600) STOP BAR (WHITE)		
5	12" (300) SOLID WHITE	12	8" (200) SOLID (WHITE)		
6	4" (100) DOUBLE YELLOW (WIDE)	13	4" (100) PARKING WHITE		
7	6" (150) SKIP-DASH (WHITE)				

SEE STANDARD 780001 AND DISTRICT PAVEMENT MARKING DETAILS FOR ADDITIONAL DETAILS

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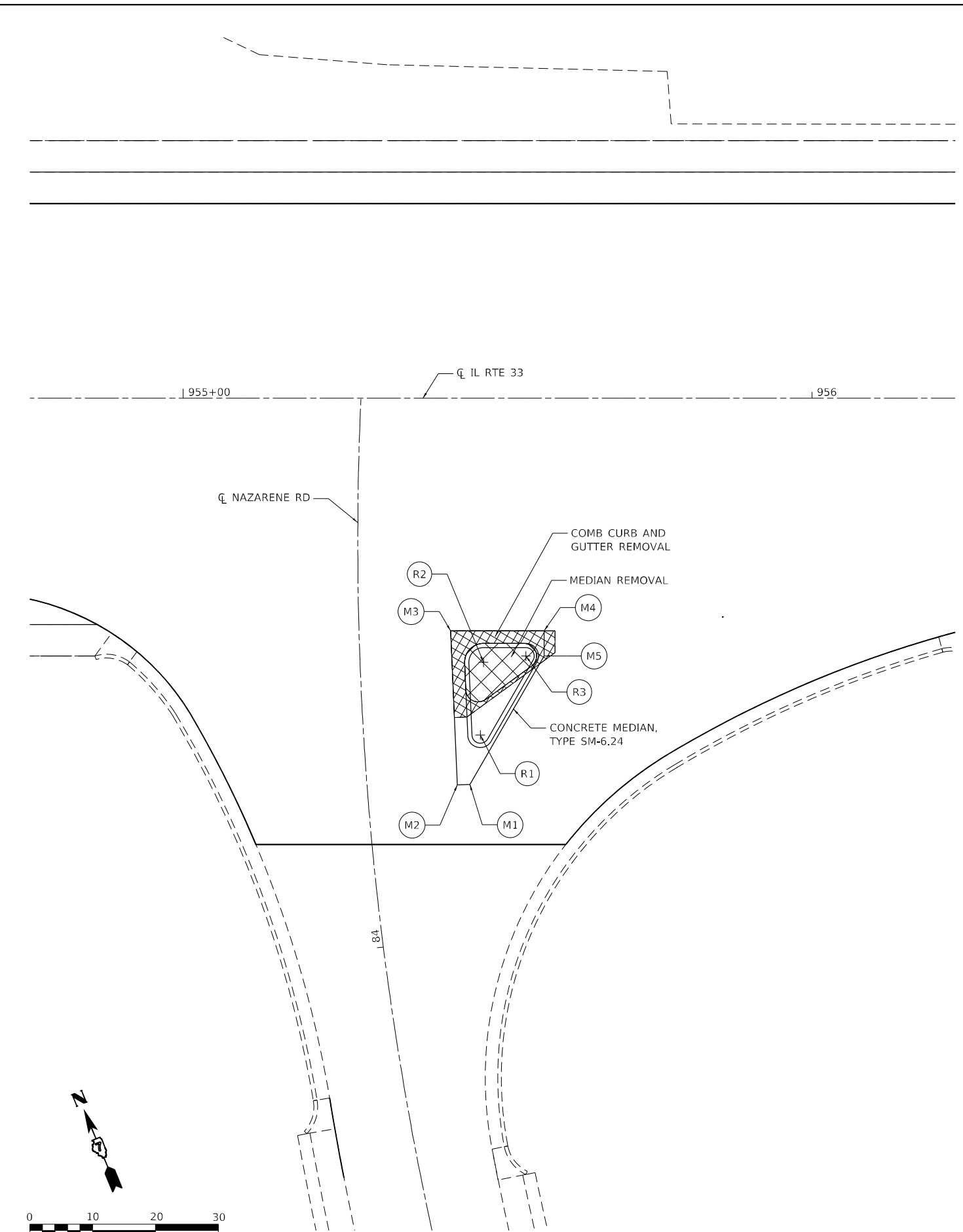
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN

SCALE: SHEET 8 OF 8 SHEETS STA. 50+00.00 TO STA. 56+03.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	35
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



ISLAND CONTROL POINT COORDINATES					
POINT NO.	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
M1	955+45.60	61.44 RT	905,774.76	910,100.24	CORNER
M2	955+43.60	61.52 RT	905,775.45	910,098.36	CORNER
M3	955+42.54	37.00 RI	905,798.49	910,106.82	CORNER
M4	955+57.40	37.00 RT	905,792.77	910,120.54	CORNER
M5	955+57.40	41.00 RT	905,789.08	910,119.00	CORNER
R1	955+47.26	53.56 RT	905,781.39	910,104.80	RADPT (2' R)
R2	955+47.76	42.00 RT	905,791.87	910,109.71	RADPT (3' R)
R3	955+54.51	41.00 RT	905,790.19	910,116.33	RADPT (2' R)

NOTE: RADIUS DIMENSIONS ARE TO THE FACE OF CURB AT FLOWLINE

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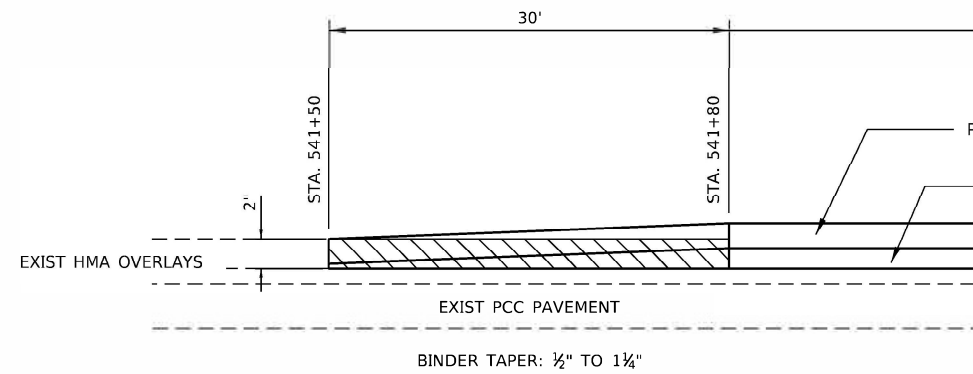
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

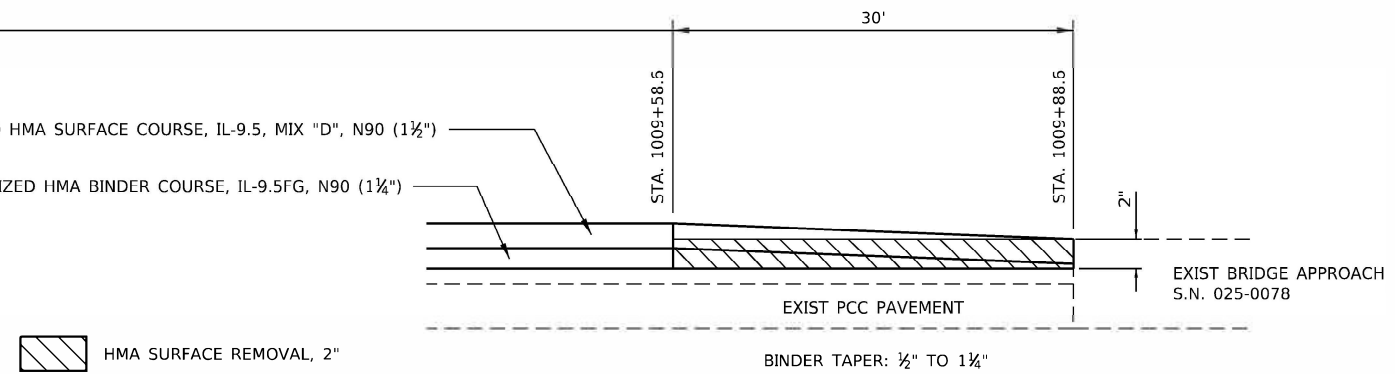
ISLAND GEOMETRICS
 SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	36
CONTRACT NO. 74B82				
ILLINOIS FED. AID PROJECT				

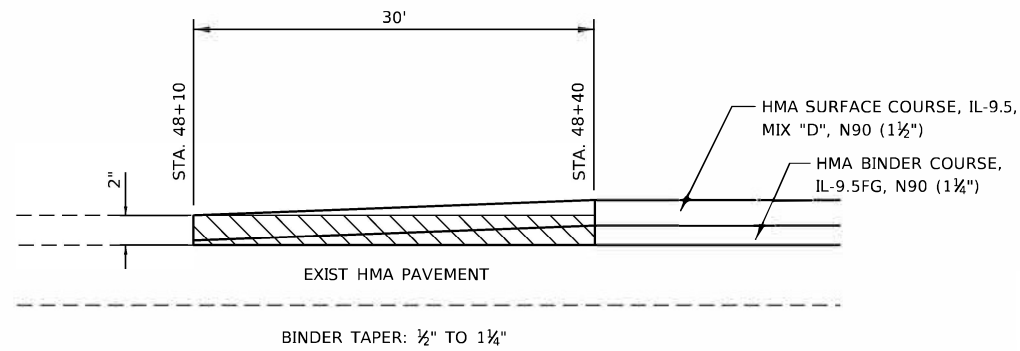
BUTT-JOINT AT BEGINNING OF PROJECT



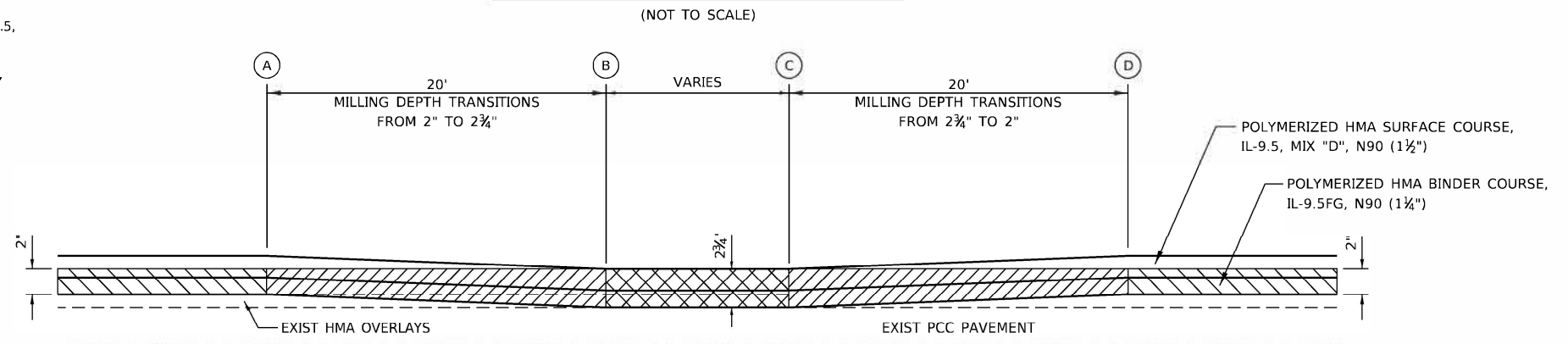
BUTT-JOINT AT WEST BRIDGE APPROACH



BUTT-JOINT AT IL RTE 32



PAVING DETAIL AT PCC ENTRANCES



(A)

STATION
893+62
903+37
913+20
952+07
957+48
968+71
972+79
976+86
981+54

(B)

STATION
893+82
903+57
913+40
952+27
957+68
968+91
972+99
977+06
981+74

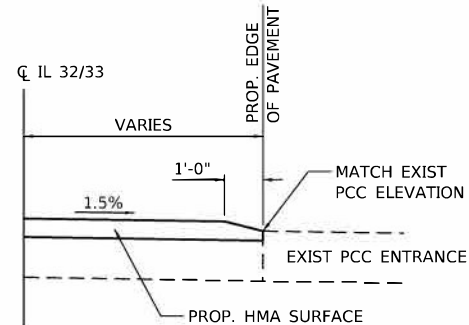
(C)

STATION
894+78
904+41
914+35
953+63
958+52
969+82
973+51
977+90
982+57

(D)

STATION
894+98
904+61
914+55
953+83
958+72
970+02
973+71
978+10
982+77

- HMA SURFACE REMOVAL, 2"
- HMA SURFACE REMOVAL, 2 3/4"
- MILLING DEPTH TRANSITION



EXISTING PCC ENTRANCE DETAIL

STA. 541+50 TO STA. 1009+86

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT & PCC ENTRANCE DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	37
CONTRACT NO. 74B82			ILLINOIS FED. AID PROJECT	

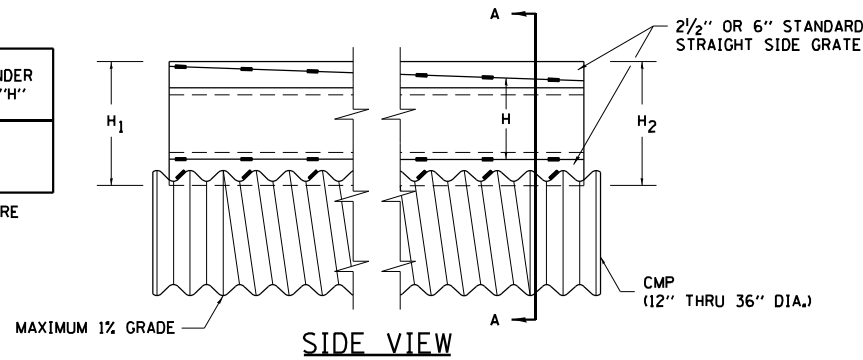
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 Professional Design Firm No. 184-008516

KT KUHN & TRELLO
 CONSULTING ENGINEERS
 A Limited Liability Company
 100 N. 7th Street, 3rd Floor
 Springfield, IL 62702
 Phone: 217-618-0014

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	DATE -	REVISED -

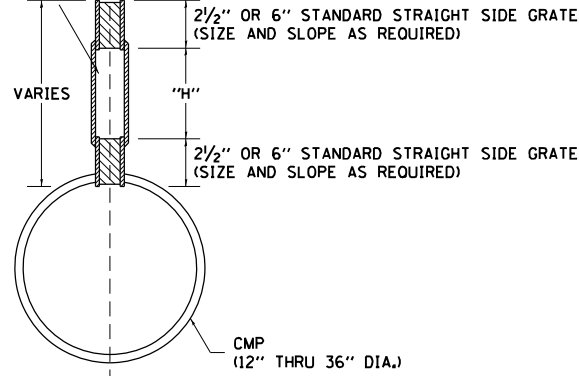
SLOTTED DRAIN PIPE

LOADING CONDITION	MAX. EXTENDER HEIGHT - "H"
H20/H25 • 750 PSI CONCRETE • 125 PSI TIRE PRESSURE	19"



DETAIL WITH VARIABLE HEIGHT GRATE

PLATE EXTENDERS
7 GA. GALVANIZED PLATE
PER ASTM A761
SLOPE AS REQUIRED.



SECTION A-A

GENERAL

Class SI Concrete shall be used throughout. This specification covers Slotted Drain used for the removal of water as shown on the plans. The Slotted Drain shall be Corrugated Pipe Culvert with Integral Slotted Drains. Before placing the concrete adjacent to the pipe, the slot shall be covered by either thin, flat metal sheeting or by a board notched to fit over the grate bars. This covering must fit closely in the slot to prevent entry of concrete into the pipe. Paving over the slotted drain will then be one continuous operation over the protected drain. The protection for the drain slot shall then be removed. The pipe shall drain into the side of the inlet. The opening where the slot is removed shall be covered to prevent concrete from entering the pipe. The Corrugated Steel Pipe used in the Slotted Drain shall meet the requirements of AASHTO M36/ASTM A760. The CMP shall be ALUMINIZED STEEL Type 2. The diameter shall be as shown on the plans. Steel grating shall meet the galvanizing requirements of AASHTO M111. This work will be paid for at the contract unit price per foot for SLOTTED DRAIN of the pipe diameter specified WITH VARIABLE SLOT, or SLOTTED DRAIN, of the pipe diameter specified, WITH 6" SLOT, and shall include concrete and grating for depth specified on plans. Use approved end cap to prevent concrete entry into the pipe during gutter construction on the upstream end of the pipe.

CONNECTIONS

The Corrugated Steel Pipe shall have a minimum of two rerolled annular ends. The Slotted Drain bands shall be modified HUGGER Bands to secure the pipe and prevent infiltration of the backfill. When the Slotted Drain is banded together, the adjacent grates shall have a maximum 3" gap.

GRATES

The grates shall be manufactured from ASTM A670, Grade 36 steel. The spacers and bearing bars (sides) shall be 3/16" material ±0.008". The spacers shall be on 6" centers and welded on both sides to each bearing bar (sides) with four (4) 1-1/4" long 3/16" fillet welds on each side of the bearing bar. The plate extender shall be 7 gage steel meeting ASTM A761. The engineer may call for tensile strength tests on the grate if the grate is not in compliance with the above spacer specifications. If tensile strength tests are called for, minimum results for an in-place spacer pulled perpendicular to the bearing bar shall be:
T = 12,000 pounds for 2-1/2" grate
T = 15,000 pounds for 6" grate

GALVANIZING

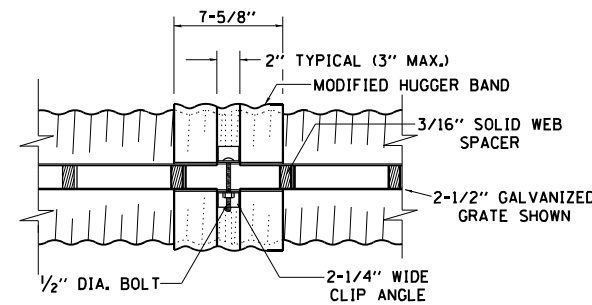
The grate and plate extenders shall be galvanized in accordance with ASTM A123 except with a 2 oz. galvanized coating.

GRATE ATTACHED TO CSP

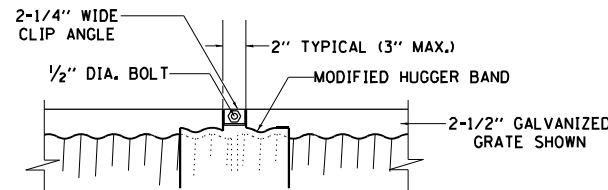
The grate shall be fillet welded with a minimum weld 1" long to the CSP on each side of the grate at every other corrugation.

TOLERANCES - FINISHED SLOTTED DRAIN - 20' LENGTHS

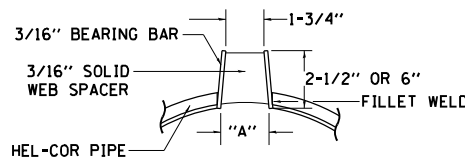
Vertical Bow = ± 3/8"
Horizontal Bow = ± 5/8"
Twist = ± 1/2"



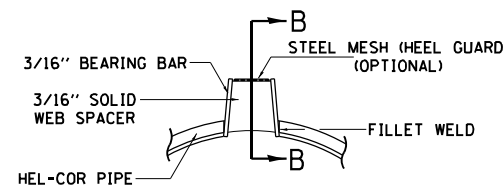
TOP VIEW



SIDE VIEW



SECTION A-A STANDARD DETAIL



SECTION A-A DETAIL WITH MESH

(TRAPEZOIDAL GALVANIZED GRATE SHOWN)

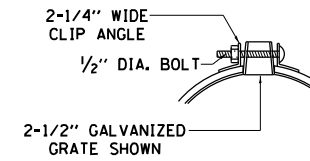
GAGE OF PIPE	DIAMETER OF PIPE					
	12"	15"	18"	24"	30"	36"
16	X	X	X	X	X	X
14	X	X	X	X	X	X
12	N.A.	N.A.	N.A.	N.A.	X	X

GRATE TYPE	2-1/2"	6"
VERT	1-3/4"	1-3/4"
TRAP	2-1/4"	3"

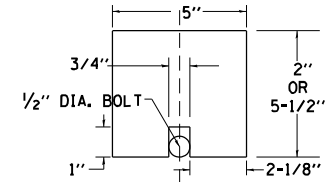
VERT = VERTICAL
TRAP = TRAPEZOIDAL

SLOTTED DRAIN NOTES

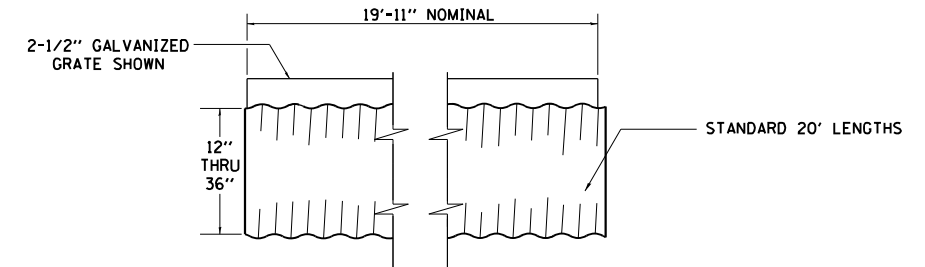
- GRATING IS AVAILABLE IN DEPTHS OF 2-1/2" AND 6".
- VERTICAL GRATING (STRAIGHT SIDES) WITH VERTICAL SPACERS IS ALSO AVAILABLE.
- FOR 6" VERTICAL & TRAPEZOIDAL REQUIREMENTS, THE SLOTTED DRAIN BAND MAY BE FURNISHED WITH THE 4" TECHCO BAND ANGLE.
- DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
- DIMENSIONS FOR H₁ AND H₂ AS REQUIRED.
- H₁ AND H₂ MEASURED FROM TOP OF GRATE TO BOTTOM OF GRATE.



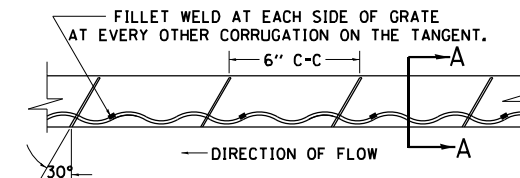
END VIEW



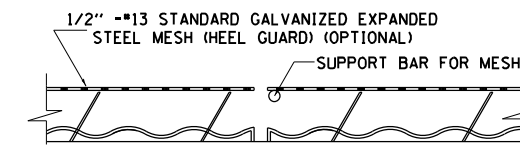
GAP PLATE (OPTIONAL) MAY BE PLACED DIRECTLY OVER BAND BOLT TO PROVIDE CONTINUOUS FORM FOR GROUTING.



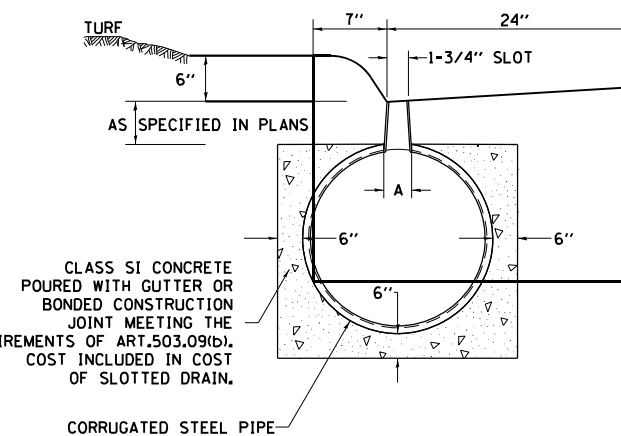
TYPICAL PIPE SECTION



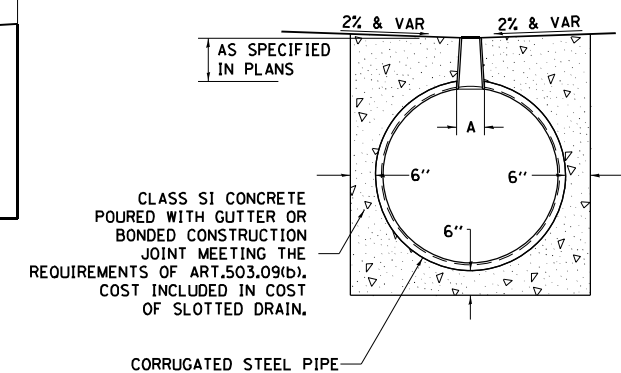
GRATE WELDING DETAIL



SECTION B-B



DETAIL FOR CURB & GUTTER



DETAIL FOR CROSSOVERS, DRIVEWAYS, OR PARKING LOTS

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

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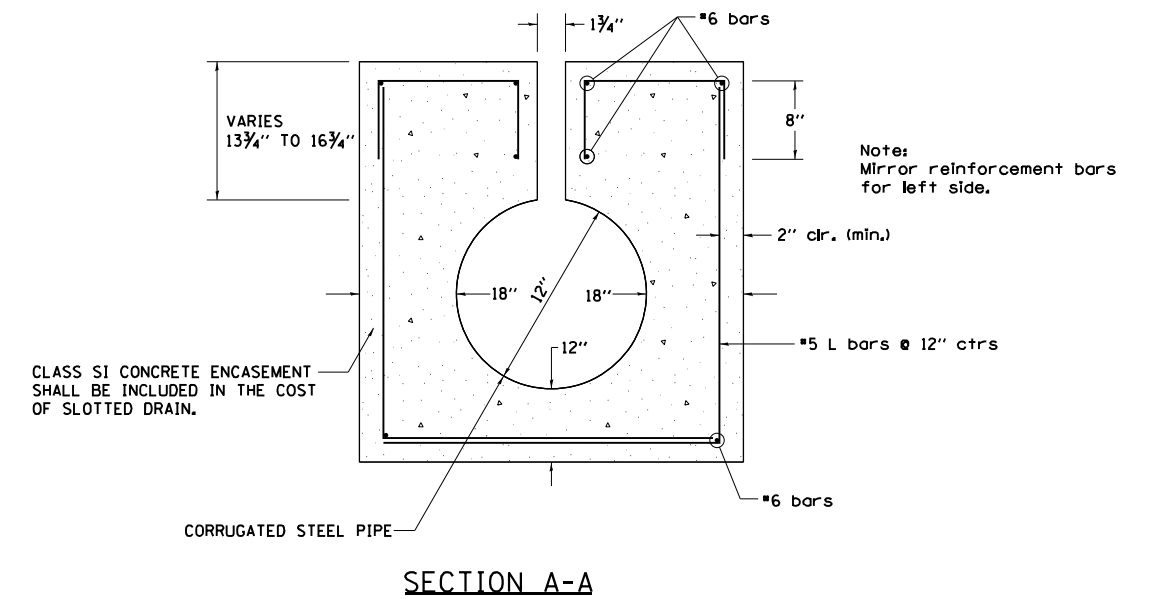
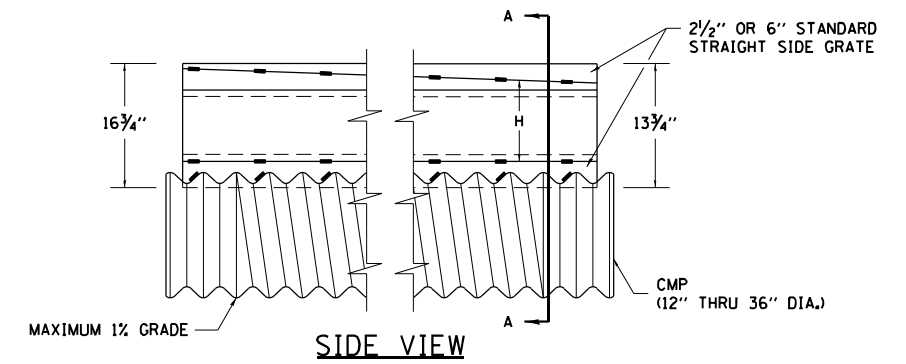
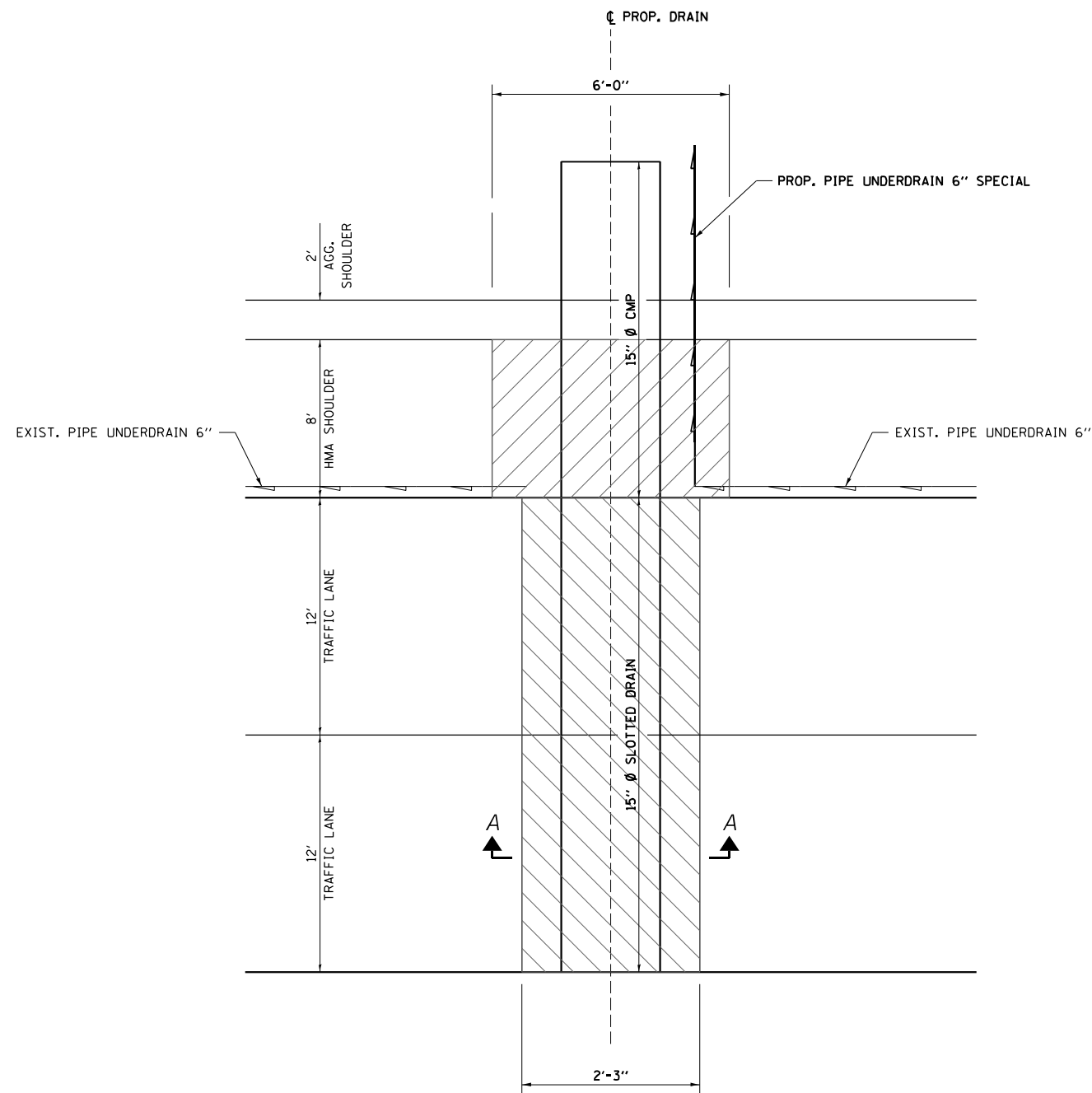
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLOTTED DRAIN DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	38
CONTRACT NO. 748B2				
ILLINOIS FED. AID PROJECT				

SLOTTED DRAIN PIPE



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

LEGEND

- PAVED SHOULDER REMOVAL
- PAVEMENT REMOVAL

BILL OF MATERIALS

PAY ITEM	UNIT	LOCATION		TOTAL
		STA. 1023+00 LT	STA. 1025+30 LT	
44000100 PAVEMENT REMOVAL	SQ. YD.	6	6	12
44004250 PAVED SHOULDER REMOVAL	SQ. YD.	6	6	12
48203029 HOT-MIX ASPHALT SHOULDERS 8"	SQ. YD.	3	3	6
54213447 END SECTION 12"	EACH	1	1	2
60100060 CONCRETE HEADWALL FOR PIPE DRAINS	EACH	1	1	2
60108200 PIPE UNDERDRAIN 6" SPECIAL	FOOT	17	17	34
542D0217 PIPE CULVERTS, CLASS D, TYPE 1, 12"	FOOT	17	17	34
Z0065740 SLOTTED DRAIN 12" W/ VARIABLE SLOT	FOOT	24	24	48

* NOTE: ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED FOR SEEDING DISTURBED AREAS, PIPE UNDERDRAIN REMOVAL OR MISC. BACKFILL WILL NOT BE PAID FOR SEPERATETLY AND WILL BE CONSIDERED INCIDENTAL TO THE ABOVE PAY ITEMS

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 Professional Design Firm No. 184-006516



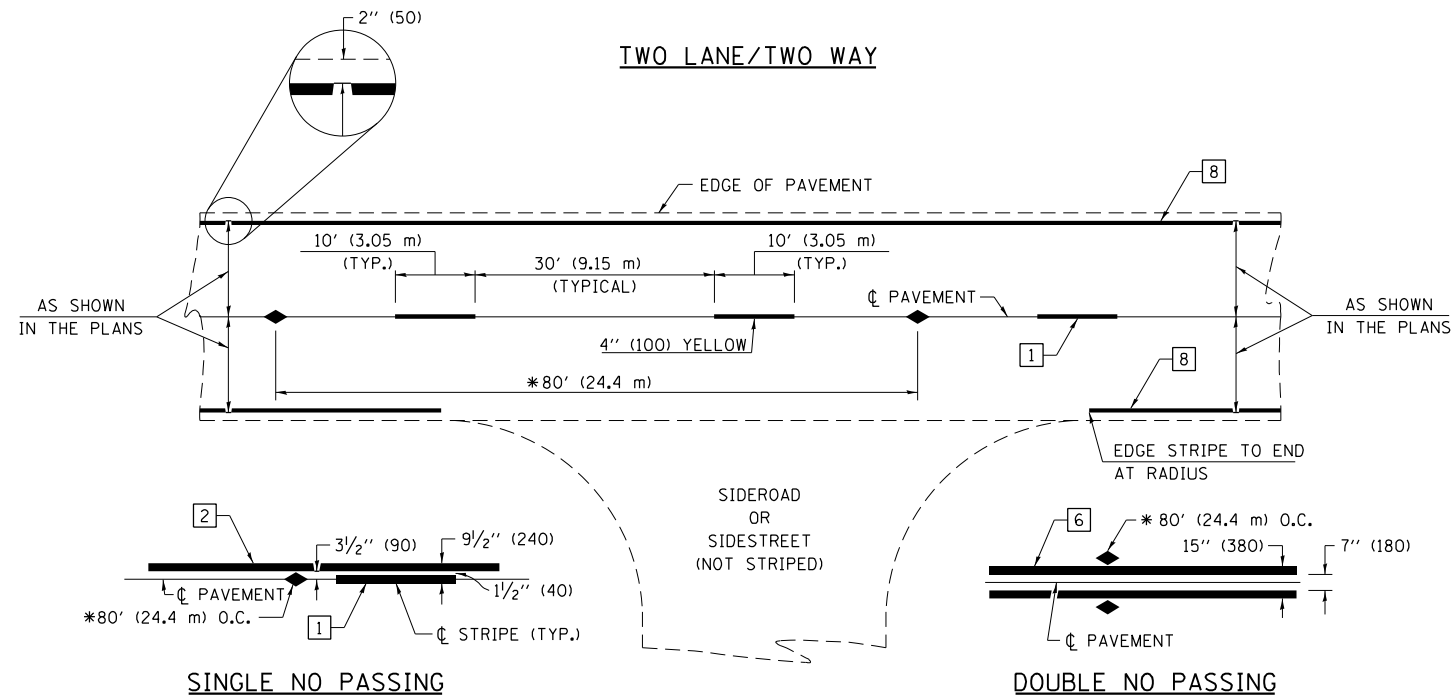
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SLOTTED DRAIN DETAILS

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

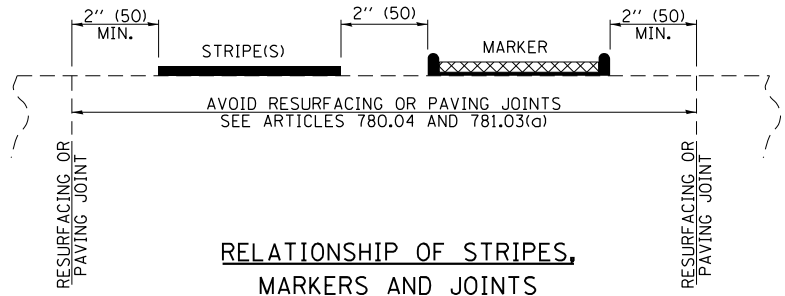
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774	107RS-1	EFFINGHAM	44	39
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 4" (100) DOUBLE YELLOW (WIDE)
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

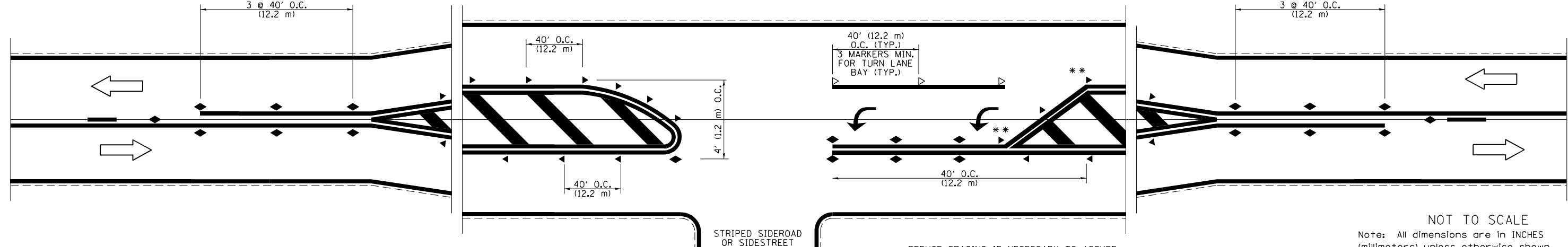
* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.



TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RAISED REFLECTIVE PAVEMENT MARKERS



** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

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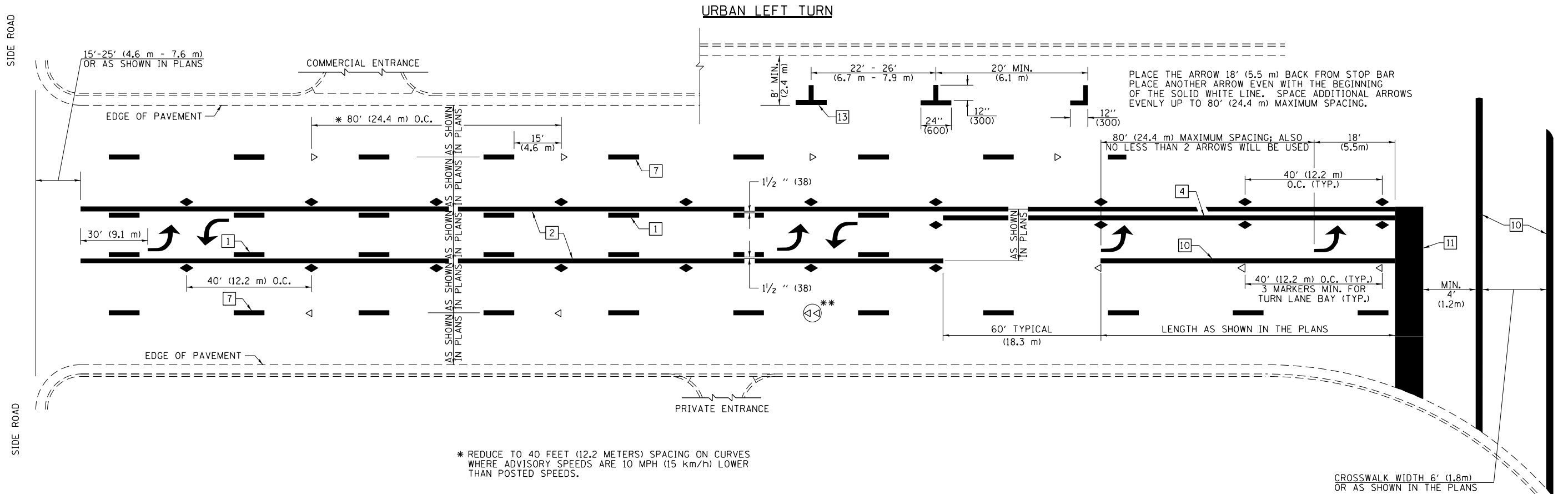
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)**

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

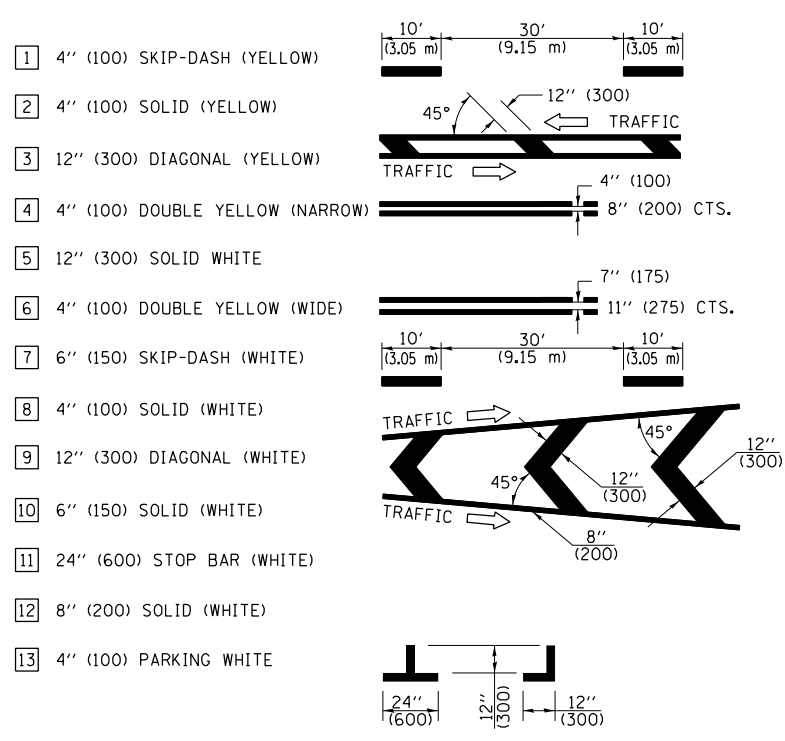
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774	107RS-1	EFFINGHAM	44	40
			CONTRACT NO. 74882	
ILLINOIS FED. AID PROJECT				



* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

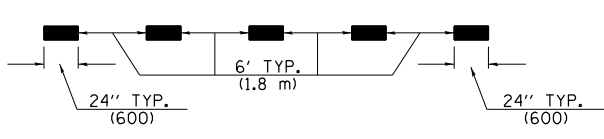
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

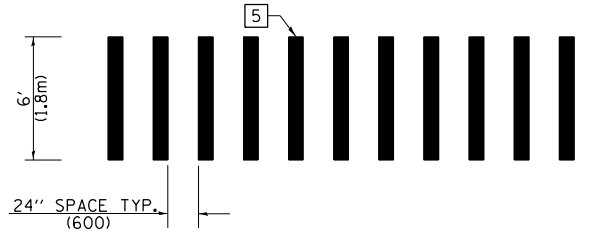


GENERAL NOTES

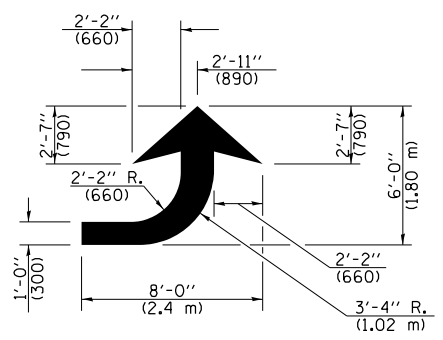
- TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
- USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE SECTION 780 FOR SYMBOLS TABLE)
- LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.
- ALL WHITE SKIP-DASH LINES SHALL BE 6" IN WIDTH.



LANE LINE EXTENSIONS

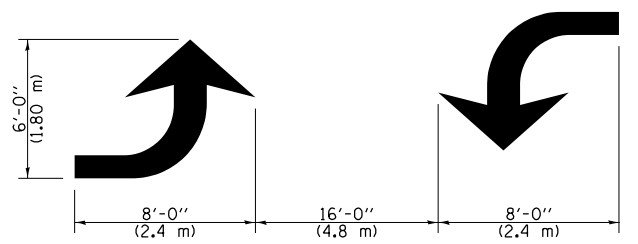


CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)



LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



TYPICAL DOUBLE TURN ARROWS (WHITE)

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

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DATE -

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)**

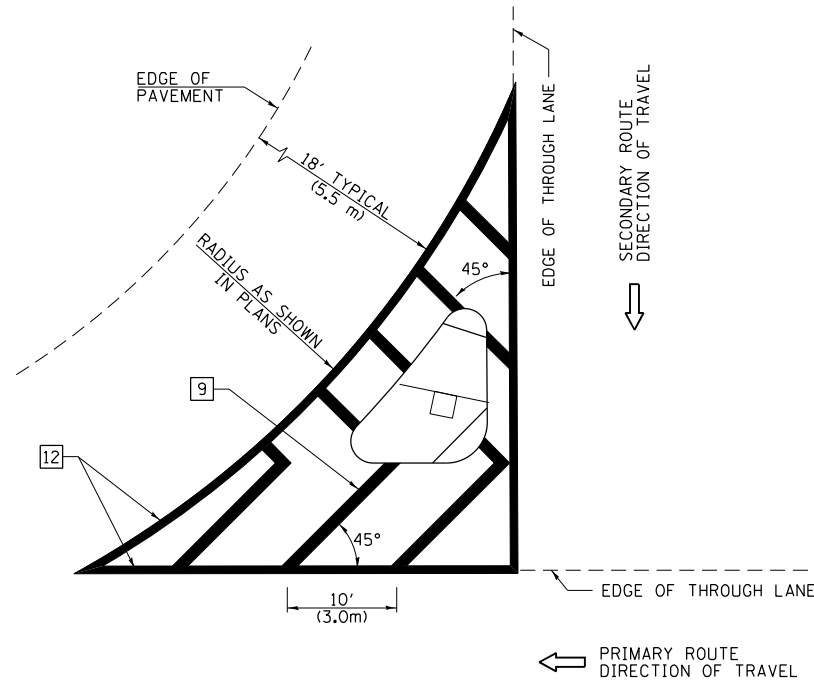
SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	41
CONTRACT NO. 74B82				

ILLINOIS FED. AID PROJECT

ISLANDS

OPTION 1

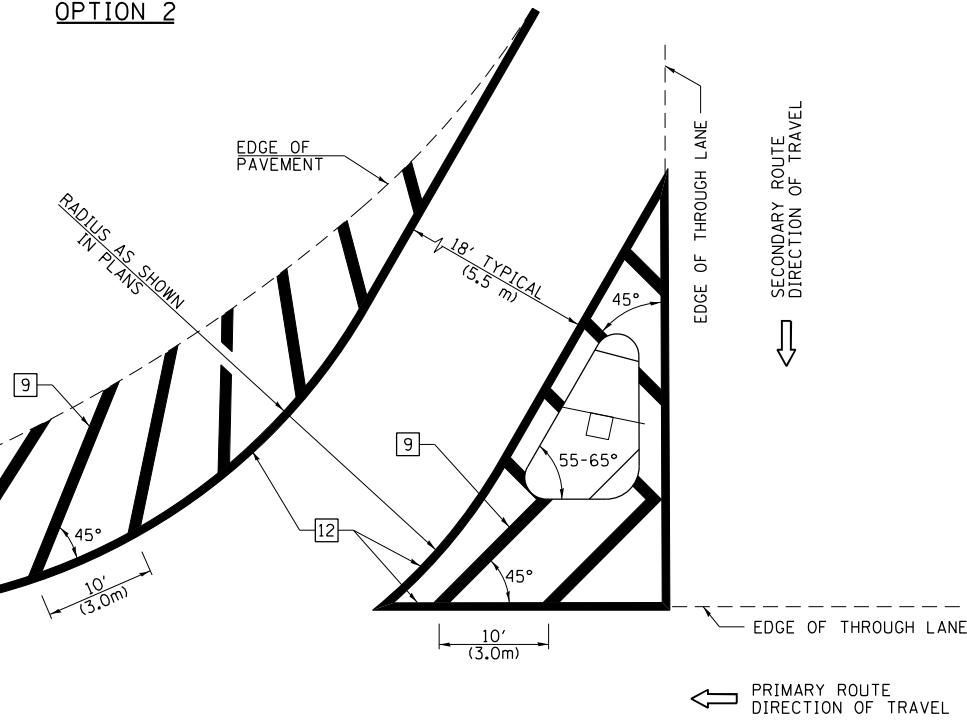


GENERAL NOTES

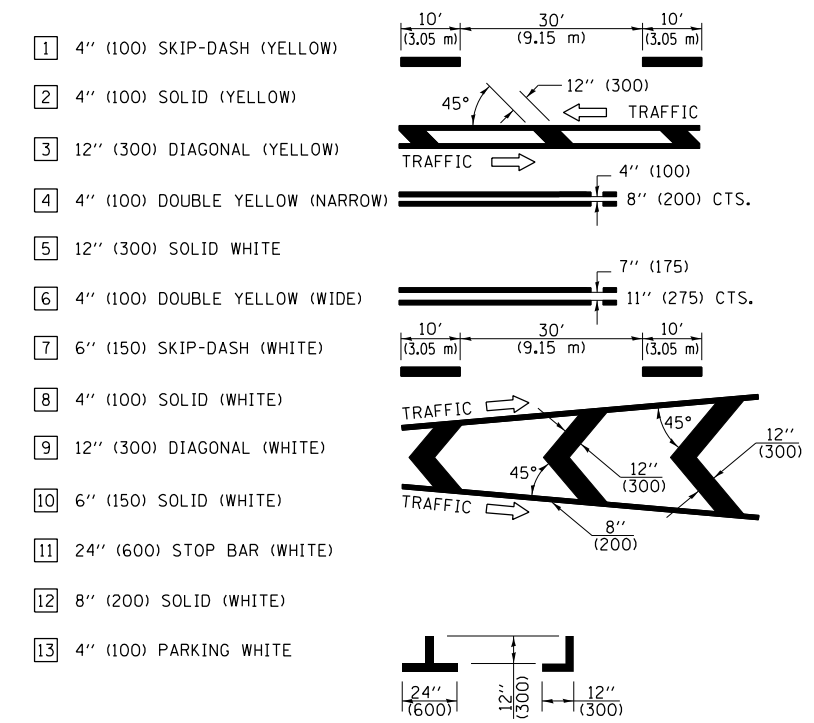
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2].
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
> 45 MPH (> 75 km/h)	30' (9.0 m)
6. THE USE OF ISLAND STRIPING OPTION 1 OR OPTION 2 SHALL BE AS SHOWN ON THE PLANS.

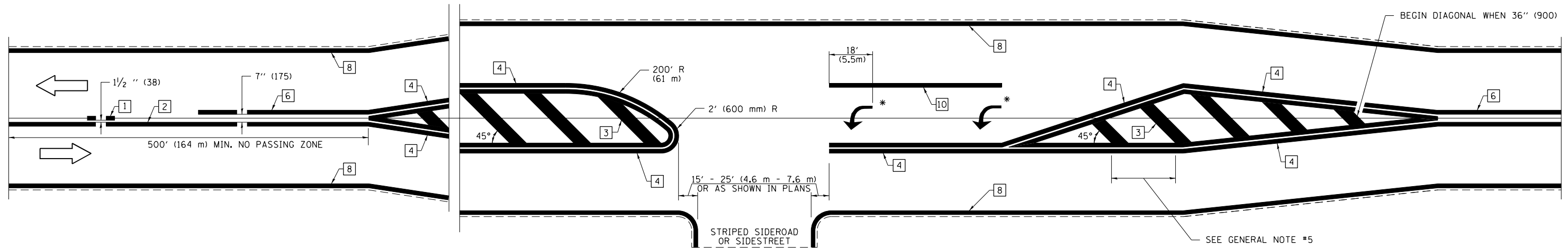
OPTION 2



PAVEMENT MARKING LEGEND



RURAL LEFT TURN STRIPING



* PLACE AN ARROW 18' (5.5 m) BACK FROM END OF THE SOLID WHITE LINE. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

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USER NAME = msutheard	DESIGNED -	REVISED - NAS 06/22
PLOT SCALE = 2,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/13/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

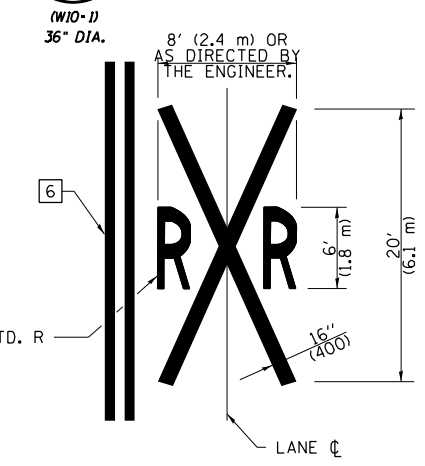
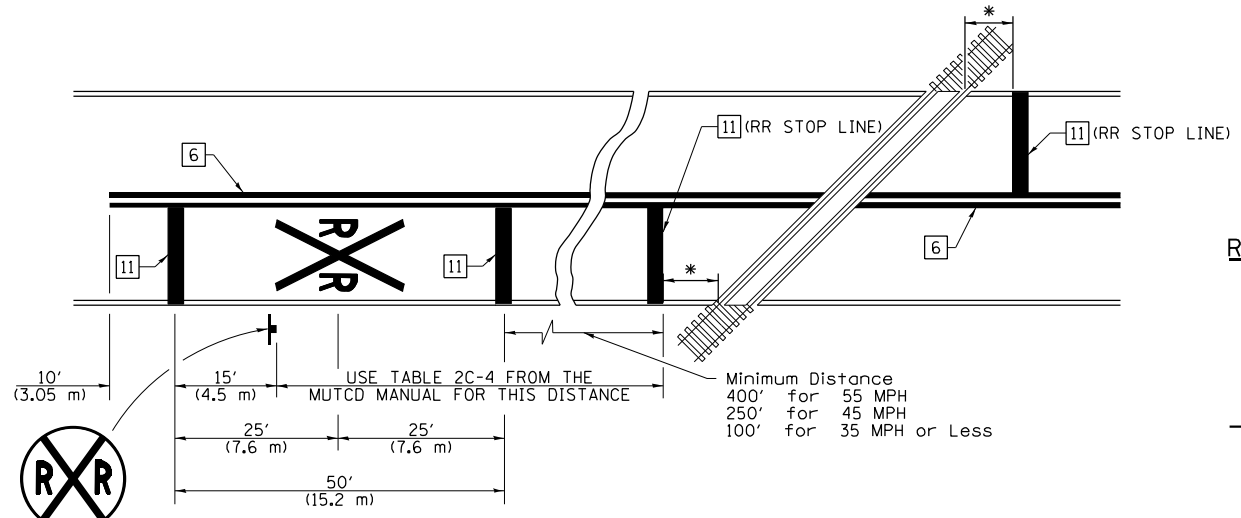
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	42
CONTRACT NO. 74882				
ILLINOIS FED. AID PROJECT				

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
 - 2 4" (100) SOLID (YELLOW)
 - 3 12" (300) DIAGONAL (YELLOW)
 - 4 4" (100) DOUBLE YELLOW (NARROW)
 - 5 12" (300) SOLID WHITE
 - 6 4" (100) DOUBLE YELLOW (WIDE)
 - 7 6" (150) SKIP-DASH (WHITE)
 - 8 4" (100) SOLID (WHITE)
 - 9 12" (300) DIAGONAL (WHITE)
 - 10 6" (150) SOLID (WHITE)
 - 11 24" (600) STOP BAR (WHITE)
 - 12 8" (200) SOLID (WHITE)
 - 13 4" (100) PARKING WHITE
-

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



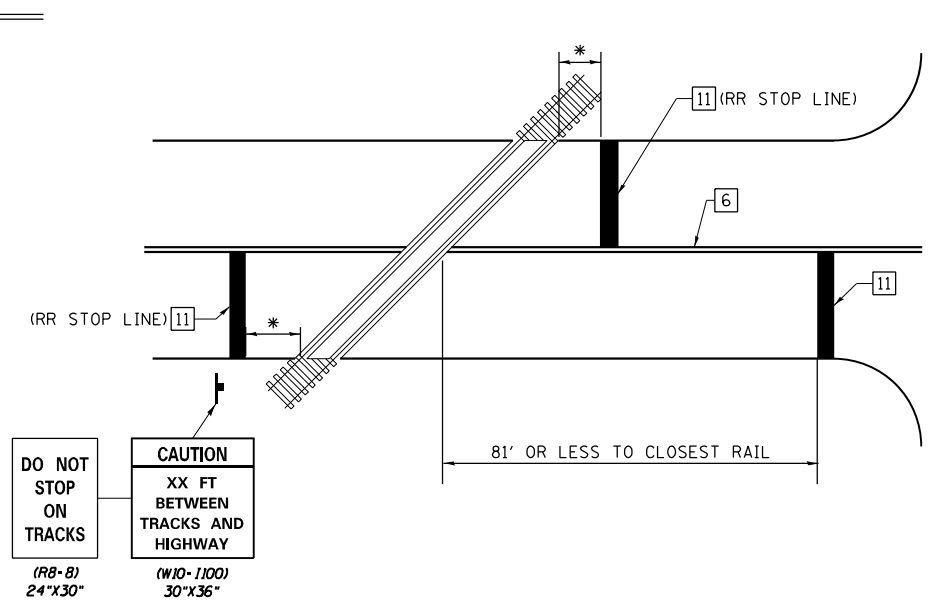
NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

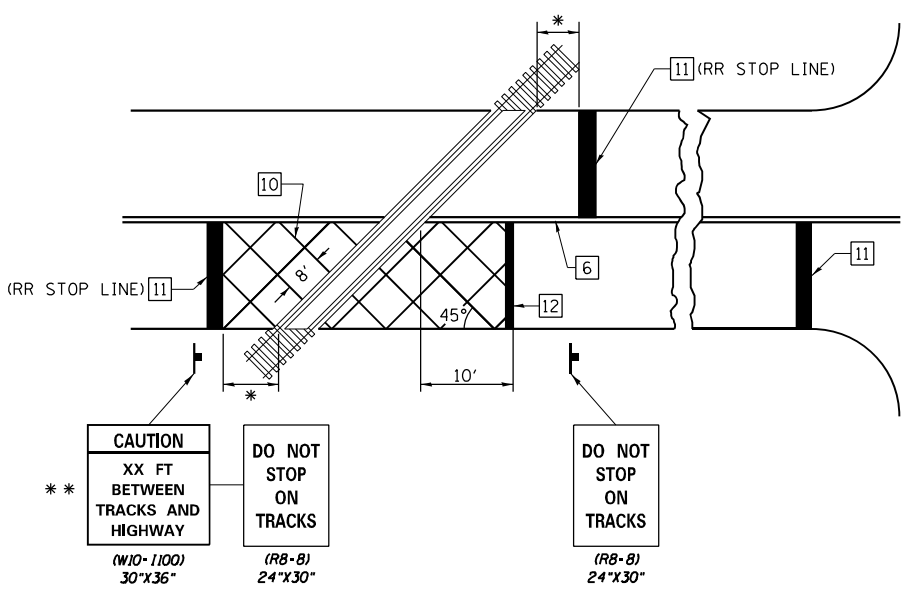
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RRR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

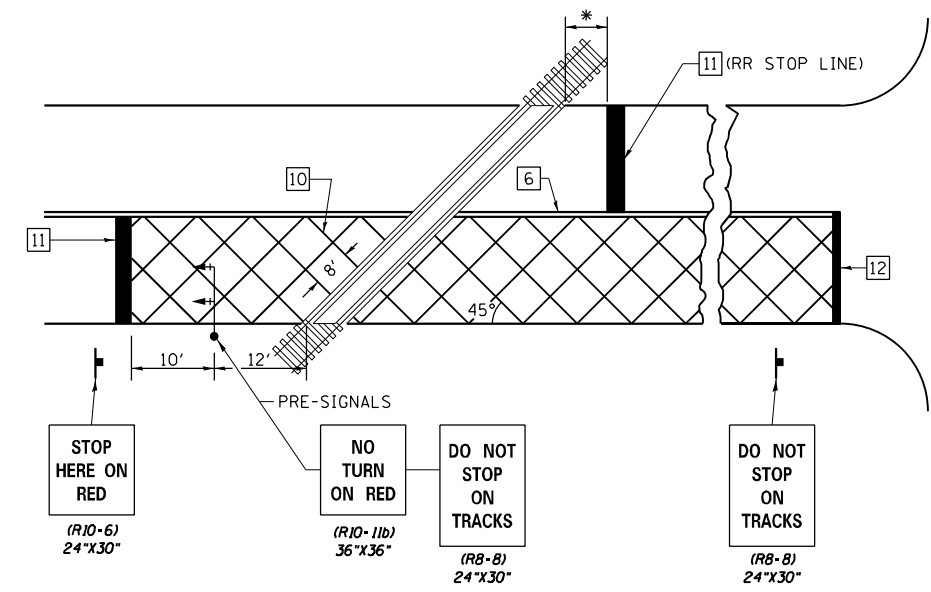
RAILROAD CROSSING WITH NON-SIGNALIZED INTERSECTION



RAILROAD CROSSING WITH INTERCONNECT ONLY

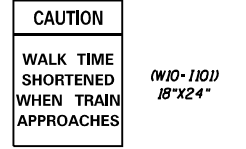


RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE PRE-SIGNALS ARE USED.
- WHEN PEDESTRIAN SIGNALS ARE PRESENT WITH INTERCONNECTED SIGNALS, WARNING SIGN W10-1101 (18"X24") SHALL BE PLACED NEAR EACH PEDESTRIAN SIGNAL HEAD. COUNTDOWN PEDESTRIAN SIGNAL HEADS SHALL NOT BE UTILIZED ALONG WITH INTERCONNECTED SIGNALS.
- PLEASE REFER TO THE IDOT BUREAU OF OPERATION MEMO OPS T-06 DATED DECEMBER 1, 2020 FOR ADDITIONAL INFORMATION.



- * 15' FROM NEAR RAIL OR 8' FROM AND PARALLEL TO GATE IF PRESENT
- ** WARNING SIGN W10-1100 SHALL BE USED AS AN INTERIM MEASURE AT INTERCONNECTED SIGNAL LOCATIONS WHERE PRE-SIGNALS ARE TO BE INSTALLED IN THE FUTURE. THIS SIGN SHALL BE REMOVED WHEN THE PRE-SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS ARE EXTENDED TO THE INTERSECTION.

NOT TO SCALE
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

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 Professional Design Firm No. 184-006516

KUHN & TRELLO CONSULTING ENGINEERS A Limited Liability Company 109 N. 7th Street, 3rd Floor Springfield, IL 62702 Phone: 217-613-0044	USER NAME = msulheard	DESIGNED -	REVISED - NAS 06/22
	PLOT SCALE = 2,0000' / in.	DRAWN -	REVISED -
	PLOT DATE = 12/13/2023	CHECKED -	REVISED -
		DATE -	REVISED -

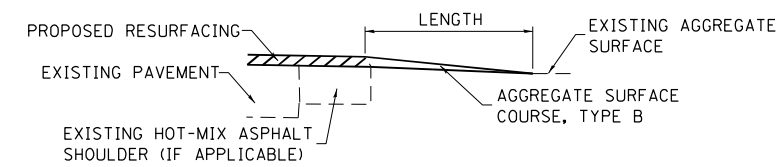
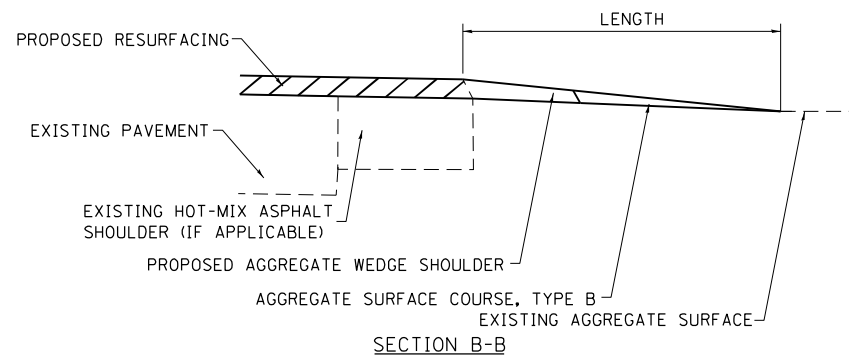
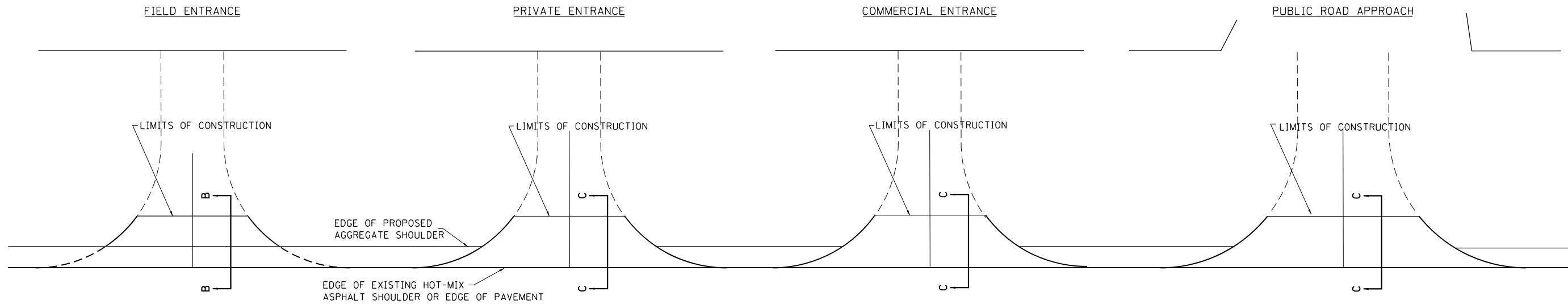
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS
(RURAL & URBAN APPLICATIONS)

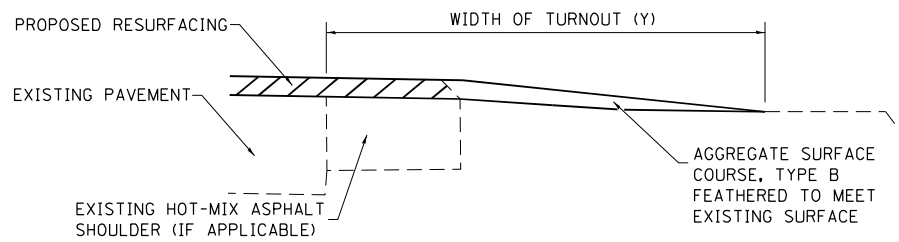
SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	107RS-1	EFFINGHAM	44	43

CONTRACT NO. 74B82
ILLINOIS FED. AID PROJECT

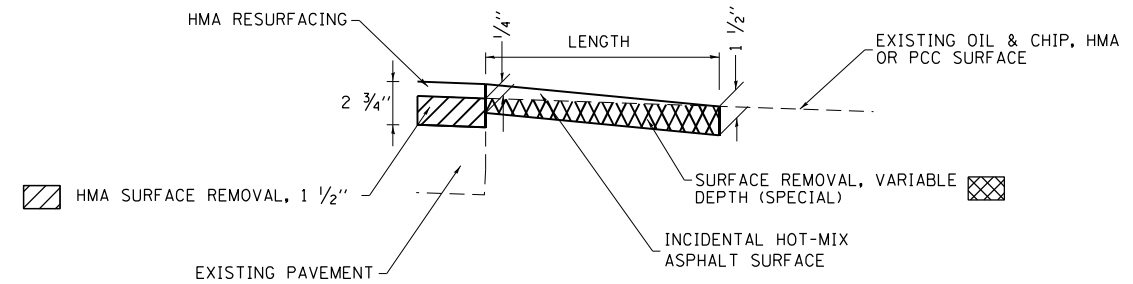


SECTION C-C



TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS



SECTION C-C

NOTES

LENGTH = 10' UNLESS OTHERWISE NOTED ON PLANS

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

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 Professional Design Firm No. 184-006516



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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RURAL ENTRANCE AND MAILBOX TURNOUT DETAILS
WITH SHOULDERS

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

F.A.P. RTE. 774	SECTION 107RS-1	COUNTY EFFINGHAM	TOTAL SHEETS 44	SHEET NO. 44
CONTRACT NO. 74B82			ILLINOIS FED. AID PROJECT	