

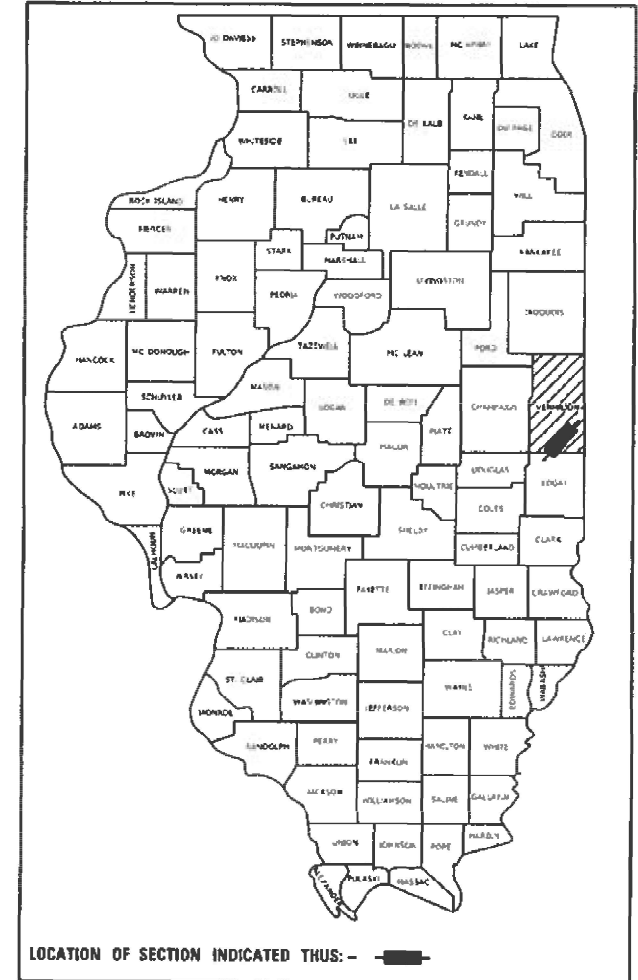
1	COVER SHEET
2	HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
3-4	SUMMARY OF QUANTITIES
5-13	TYPICAL SECTIONS
14	SCHEDULE OF QUANTITIES
15	ALIGNMENT, TIES, AND BENCHMARKS
16-23	PLAN SHEETS
24	DETAILS
25-28	DISTRICT 5 DETAIL NO. 7800AAAA PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
29	DISTRICT 5 DETAIL NO. XZ193AAA SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

F.A.U. ROUTE 7009 (CATLIN INDIANOLA RD)
SECTION (5,79,72)RS-1
PROJECT STP-UWF3(249)
HIGHWAY RESURFACING
VERMILION COUNTY
C-95-041-20

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	1
		ILLINOIS	CONTRACT NO. 70947	

P-95-025-20



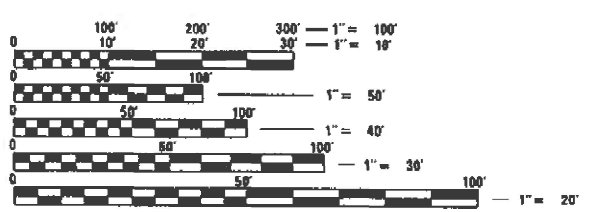
DESIGN DESIGNATION: N/A

CURRENT TRAFFIC DATA
SPEED LIMIT: 55 MPH

ADT:

FAU 7009 FROM S. OF CATLIN TO FAU 7013 VERMILION ST. =
 2020: 1,950
 2040: 2,150

FAU 7009 FROM N. OF FLEMING AVE IN CATLIN TO S. OF TILTON =
 2020: 3,700
 2040: 4,050



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 CATLIN TOWNSHIP

PROJECT ENGINEER – JASON W. STULTS, P.E.
PROJECT MANAGER – DAVID F. JAYME, P.E.
 (217) 465-4181
CONTRACT NO. 70947

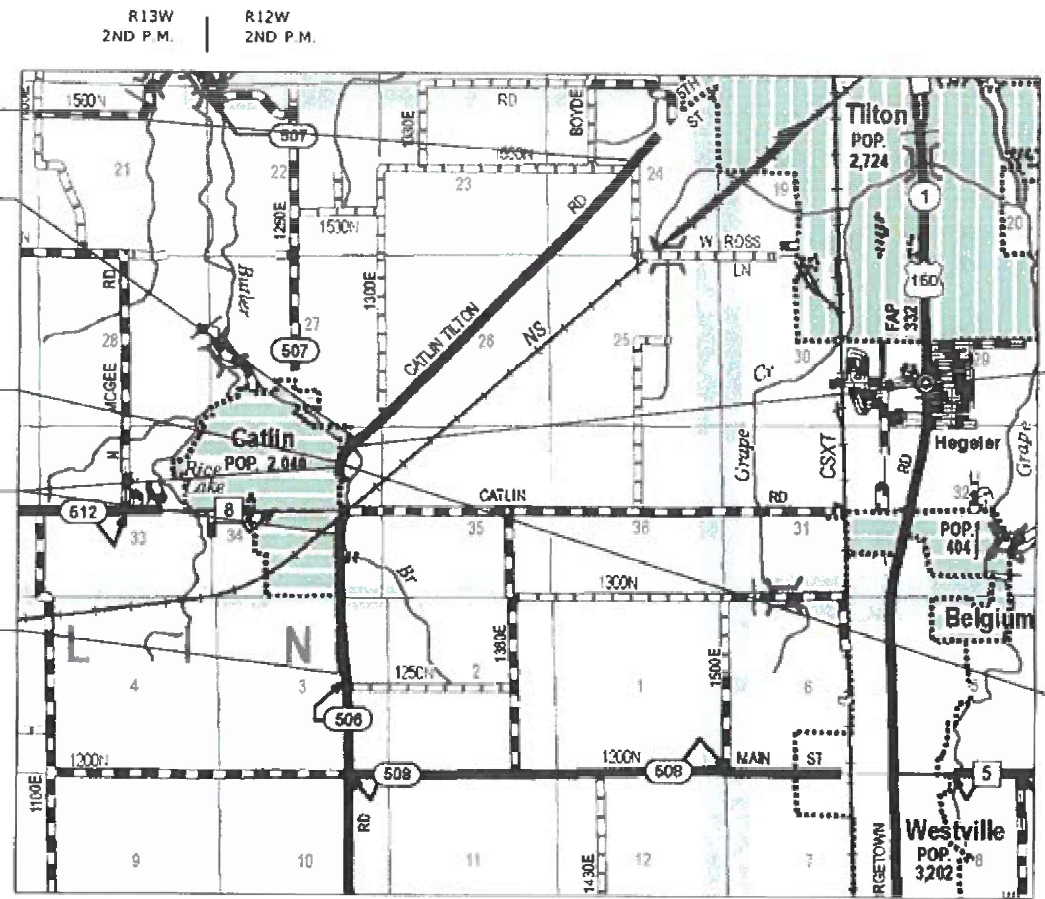
END PROJECT
 STA. 135 + 00.27

STRUCTURE
 S.N. 092-8083
 STA. 9 + 58.21 TO
 STA. 9 + 65.71

P.O.T.
 STA. 0 + 00.00

OMISSION
 STA. 14 + 42.40 TO
 STA. 00 + 69.60

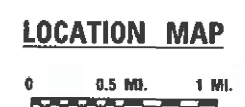
BEGIN PROJECT
 STA. 65 + 11.20



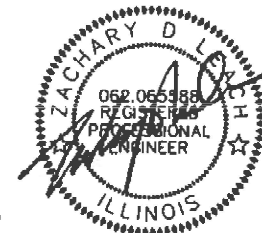
STA. 18 + 54.78 BK =
STA. 8 + 54.78 AH

STA. 0 + 00.00 BK =
STA. 4 + 84.35 AH

GROSS LENGTH = 20,527.12 FT. = 3.888 MILE
NET LENGTH = 19,154.32 FT. = 3.628 MILE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 1/14 2021
Kenneth A. Bennett
 REGIONAL ENGINEER

March 19, 2021
Jason W. Stults
 ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2021
Jason W. Stults
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

Zachary D. Leach 01-12-21
 Signature Date
 Zachary D. Leach
 Printed or Typed Name License Number 062-065588
 My license renewal date is November 30, 2021

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GENERAL NOTES

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

G.N.-403
BITUMINOUS SURFACE TREATMENT: GRADATION CA-14 (MID SPEC.) IS ASSUMED FOR COVER COATS AND GRADATION CA-16 (MID-SPEC.) IS ASSUMED FOR SEAL COATS.

THE AGGREGATE SHALL BE EITHER CRUSHED GRAVEL OR CARBONATE CRUSHED STONE AND SHALL BE CLASS C QUALITY OR BETTER. THE RESULTING TARGET APPLICATION RATES ARE AS FOLLOWS.

TYPE OF CONSTRUCTION	BITUMINOUS MATERIAL	APPLICATION RATE (GAL/SQ YD)	AGGREGATE	APPLICATION RATE (LB./SQ. YD.)
TACK COAT (HARD SURFACE)*	ART. 406.02	0.1	FA-1 OR FA-2	3.0
PRIME COAT (AGGREGATE SURFACE)*	MC-30 OR PEP	0.25	FA-1 OR FA-2	4.0
A-1	HFRS-2P / CRS-2P	0.35	CA-16	19.0
A-2 (COVER COAT)	HFRS-2P / CRS-2P	0.32	CA-14	25.0
A-2 (SEAL COAT)	HFRS-2P / CRS-2P	0.4	CA-16	19.0
A-3 (1ST COVER COAT)	HFRS-2P / CRS-2P	0.32	CA-14	25.0
A-3 (2ND COVER COAT)	HFRS-2P / CRS-2P	0.45	CA-14	25.0
A-3 (SEAL COAT)	HFRS-2P / CRS-2P	0.35	CA-16	19.0

* TO BE USED WITH A-1, A-2 AND A-3 SEAL COATS.

NOTE:THE ENGINEER RESERVES THE RIGHT TO ADJUST THE TARGET APPLICATION RATES AND THE QUANTITIES.

G.N.-406H

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

LOCATION	CATLIN-INDIANOLA RD	CATLIN-INDIANOLA RD	CATLIN-INDIANOLA RD	CATLIN-INDIANOLA RD
MIXTURE USE	CLASS D & P.D. PATCH	INCIDENTAL	SURFACE	BINDER
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ NDES=50	4.0% @ NDES=50	4.0% @ NDES=50	4.0% @ NDES=50
MIX COMP (GRADATION)	IL 19.0	IL 9.5	IL 9.5	IL 9.5 FG
FRICTION AGGREGATE	N.A.	MIX C	MIX C	N.A.
MIXTURE WEIGHT	112	112	112	112
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QCP	QCP
SUBPLOT SIZE	N.A.	N.A.	1000	1000

G.N.-703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (TACK COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-781
THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

COMMITMENTS

COMMITMENTS: (NONE)

MATERIAL TRANSFER DEVICE (MAINLINE) UNLOADED ONLY

S.N. 092-8083 - STA. 9+62.24

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD 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, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701336-07	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

1/12/2021 10:24:37 AM rhenke
I:\Jobs\2016\101116060.05_IDOT_D5_W05_180-018\Drawings\CAD_Sheets\0570947_sht-gennote.dgn

 <p>Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62206 (217) 605-0403 www.prairieengineers.com Professional Design Firm No. 1644005965 © Copy Right Public Engineers of Ill. Inc. P.C. 2016</p>	USER NAME = RHENKE DESIGNED - ZDL DRAWN - ZDL CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHWAY STANDARDS, GENERAL NOTES, & COMMITMENTS	F.A.U. RTE. 7009 SECTION (5,79,72)RS-1 COUNTY VERMILION TOTAL SHEETS 29 SHEET NO. 2 CONTRACT NO. 70947
	PLOT SCALE = 2.0000" / IN. PLOT DATE = 1/12/2021	SHEET 1 OF 1 SHEETS			ILLINOIS FED. AID PROJECT

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CODE NO.	ITEM	UNIT	F.A.U. 7009 (CATLIN INDIANOLA ROAD)	F.A.U. 7009 (CATLIN INDIANOLA ROAD)	F.A.U. 7009 (CATLIN INDIANOLA ROAD)	F.A.U. 7009 (CATLIN INDIANOLA ROAD)
			URBAN 2L/2W MAJOR COLLECTOR ** STA. 65+11.20 TO STA. 135+00.27 VERMILION COUNTY FUNDING STP 80% FED / 20% STATE CONSTR. CODE 0005 TOTAL QUANTITY	URBAN 2L/2W MAJOR COLLECTOR ** STA. 65+11.20 TO STA. 135+00.27 VERMILION COUNTY FUNDING STP 80% FED / 20% STATE CONSTR. CODE 0005 STATE	URBAN 2L/2W MAJOR COLLECTOR ** STA. 35+82.98 TO STA. 7+00.00 VERMILION COUNTY FUNDING 100% STATE CONSTR. CODE 0005 STATE	URBAN 2L/2W MAJOR COLLECTOR ** STA. 35+82.98 TO STA. 7+00.00 VERMILION COUNTY FUNDING 100% VILLAGE CONSTR. CODE 0005 CATLIN
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	0.5	0.5		
40300600	SEAL COAT AGGREGATE	TON	6354	6354		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	49674	47450	1112	1112
40600990	TEMPORARY RAMP	SQ YD	383	383		
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	3667	3667		
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	4885	4401	242	242
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	115	115		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	4024		2012	2012
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	16844	16844		
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	35312	35312		
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	37	37		
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	19	19		
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	104	104		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	525	525		

* DENOTES SPECIALTY ITEM ** SEE COVER SHEET AND TYPICAL SECTIONS FOR OMISSIONS AND ADDITIONAL STATION INFORMATION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	3
			CONTRACT NO. 70947	
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	F.A.U. 7009 (CATLIN INDIANOLA ROAD)	F.A.U. 7009 (CATLIN INDIANOLA ROAD)	F.A.U. 7009 (CATLIN INDIANOLA ROAD)	F.A.U. 7009 (CATLIN INDIANOLA ROAD)
			URBAN 2L/2W MAJOR COLLECTOR ** STA. 65+11.20 TO STA. 135+00.27 VERMILION COUNTY FUNDING STP 80% FED / 20% STATE CONSTR. CODE 0005 TOTAL QUANTITY	URBAN 2L/2W MAJOR COLLECTOR ** STA. 65+11.20 TO STA. 135+00.27 VERMILION COUNTY FUNDING STP 80% FED / 20% STATE CONSTR. CODE 0005 STATE	URBAN 2L/2W MAJOR COLLECTOR ** STA. 35+82.98 TO STA. 7+00.00 VERMILION COUNTY FUNDING 100% STATE CONSTR. CODE 0005 STATE	URBAN 2L/2W MAJOR COLLECTOR ** STA. 35+82.98 TO STA. 7+00.00 VERMILION COUNTY FUNDING 100% VILLAGE CONSTR. CODE 0005 CATLIN
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4	4		
67100100	MOBILIZATION	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	2727	2727		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	909	909		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	45013	45013		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	239	239		
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	744	744		
* XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	16	16		
Z0010910	COLD MILLING (SPECIAL)	SQ YD	1148	1148		
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	19155	19155		

* DENOTES SPECIALTY ITEM ** SEE COVER SHEET AND TYPICAL SECTIONS FOR OMISSIONS AND ADDITIONAL STATION INFORMATION

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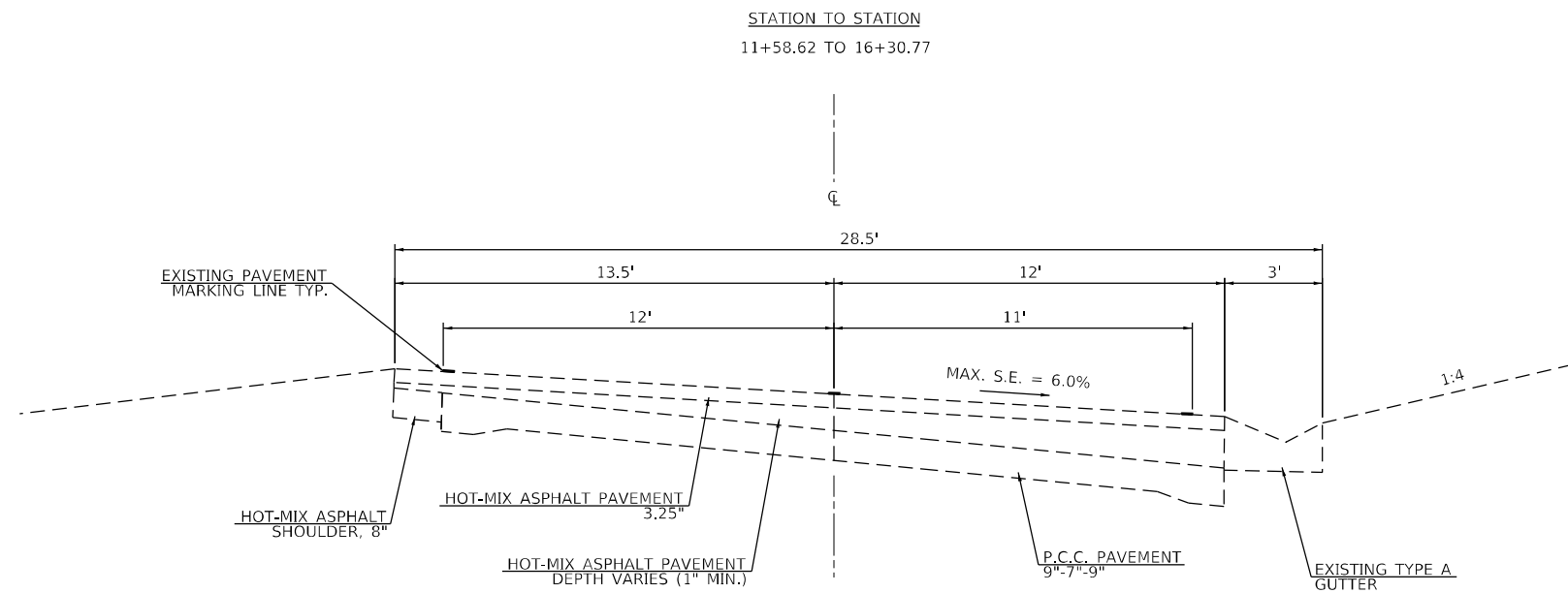
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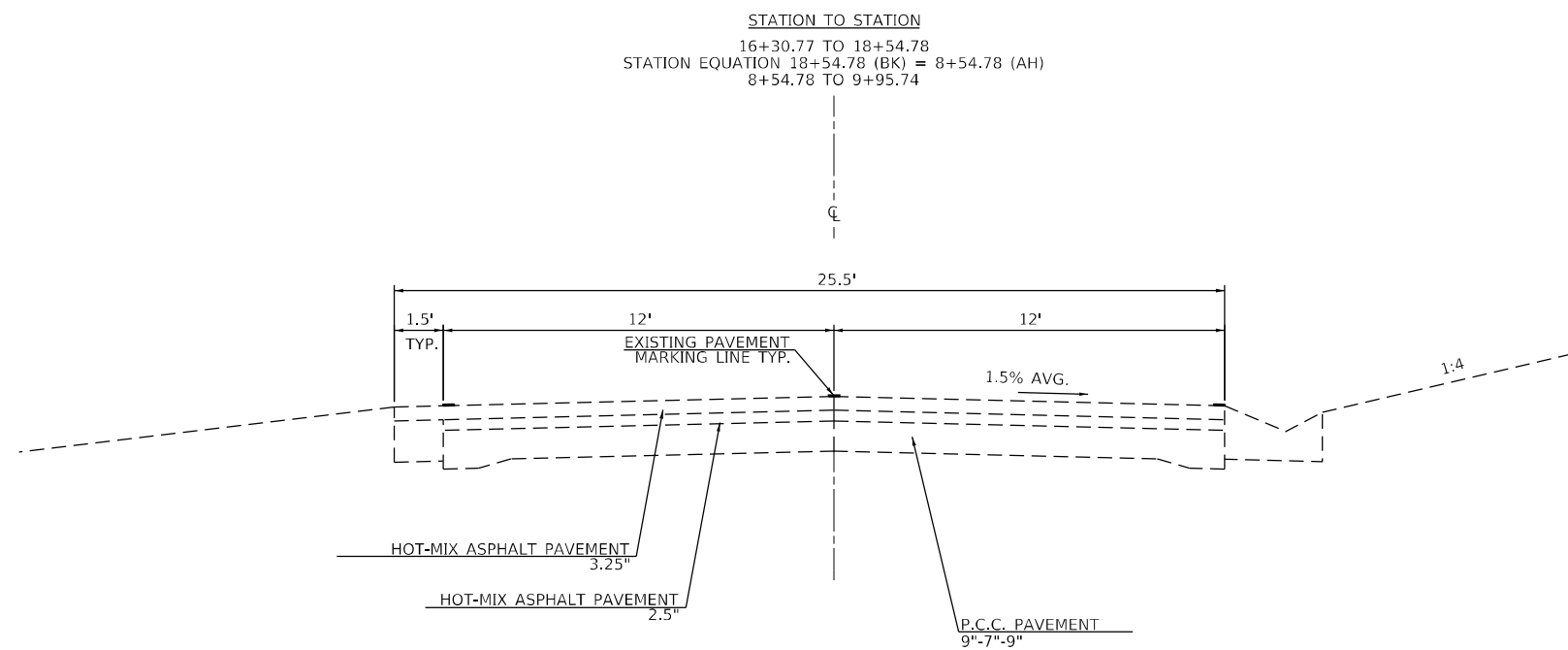
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	STA.	TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	4
			CONTRACT NO. 70947	
ILLINOIS FED. AID PROJECT				

7 EXISTING TYPICAL SECTION F.A.U. 7009



8 EXISTING TYPICAL SECTION F.A.U. 7009



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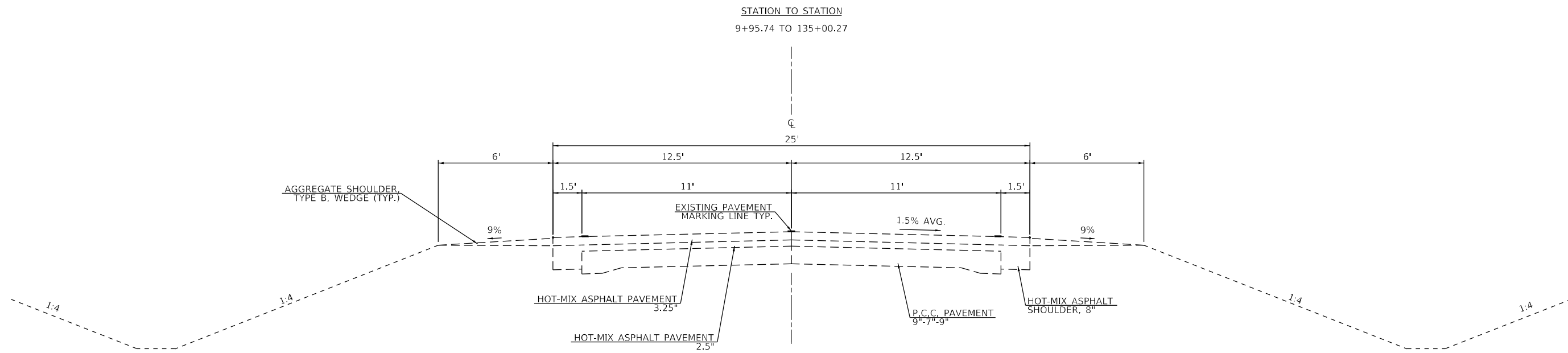
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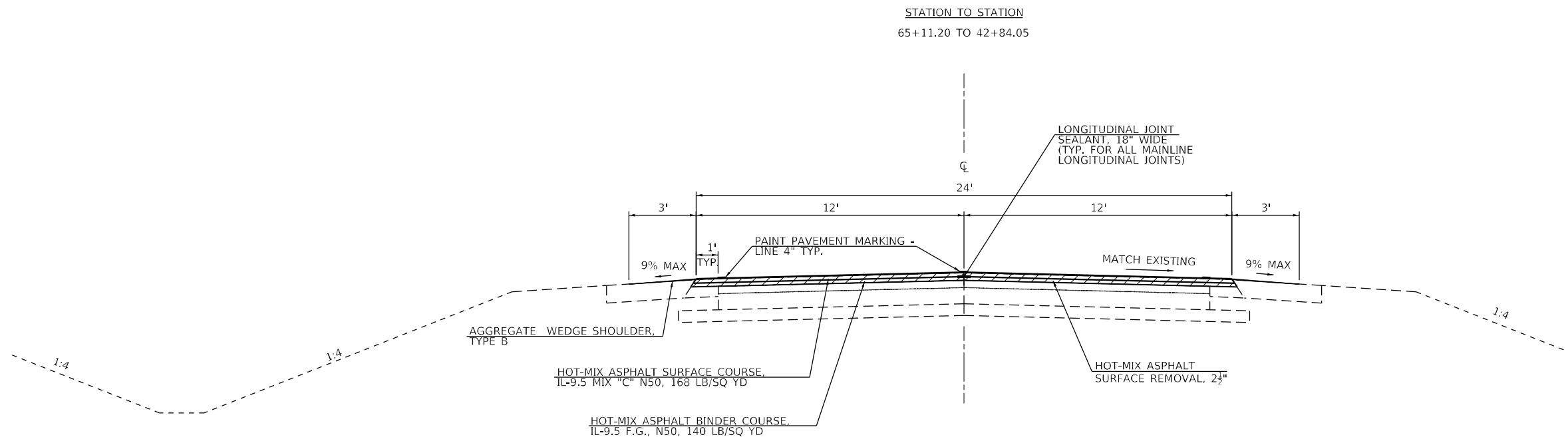
TYPICAL SECTIONS			
SCALE: NONE	SHEET 4	OF 9 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	8
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				

9 EXISTING TYPICAL SECTION F.A.U. 7009



1 PROPOSED TYPICAL SECTION F.A.U. 7009



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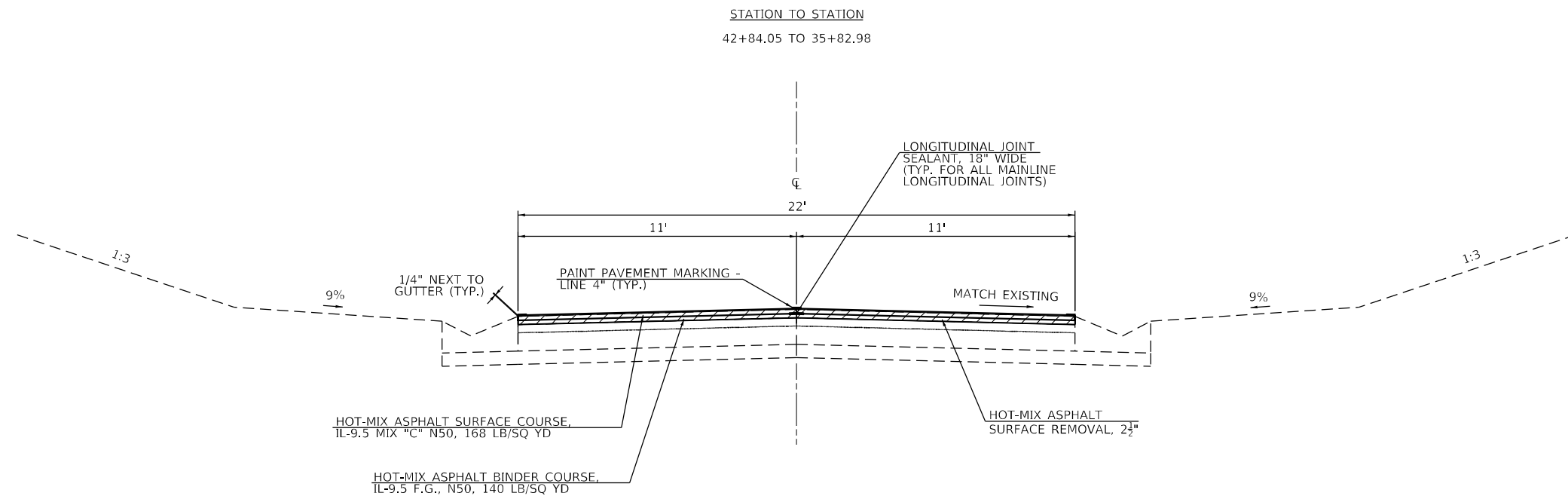
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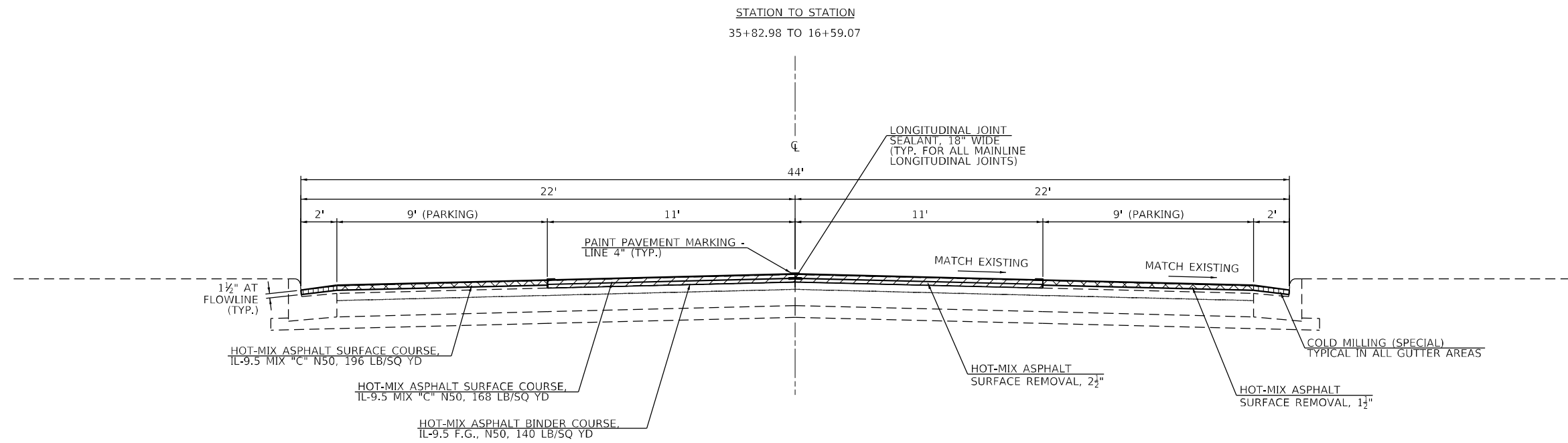
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SCALE: NONE	SHEET 5	OF 9 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	9
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				

2 PROPOSED TYPICAL SECTION F.A.U. 7009



3 PROPOSED TYPICAL SECTION F.A.U. 7009



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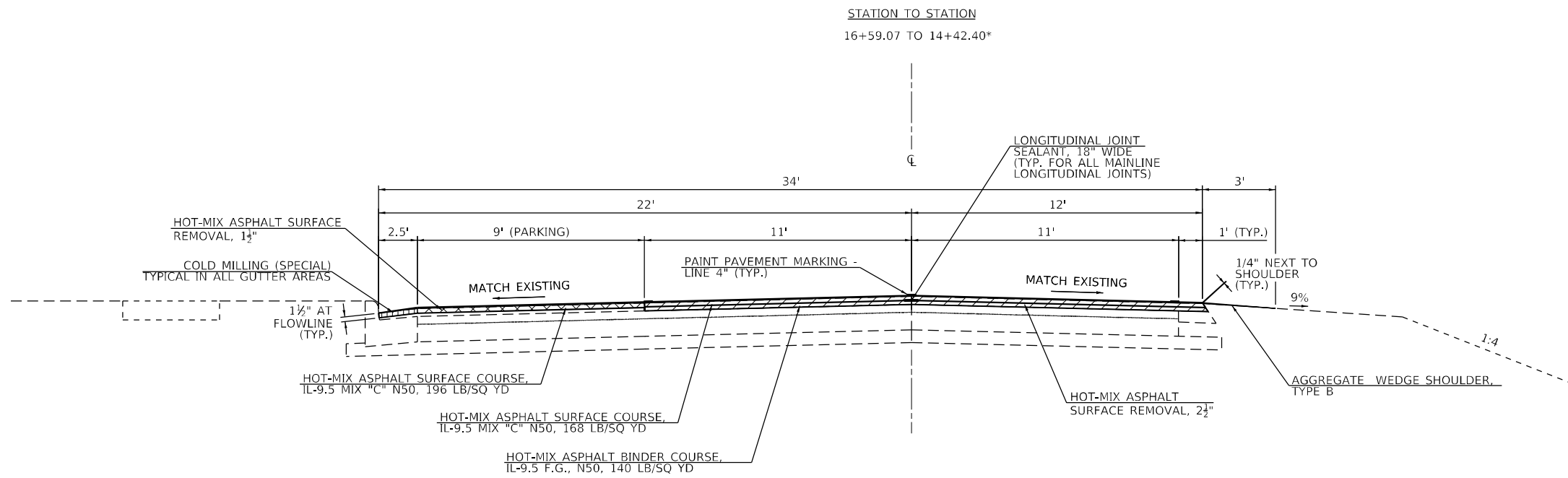
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
SCALE: NONE	SHEET 6	OF 9 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				

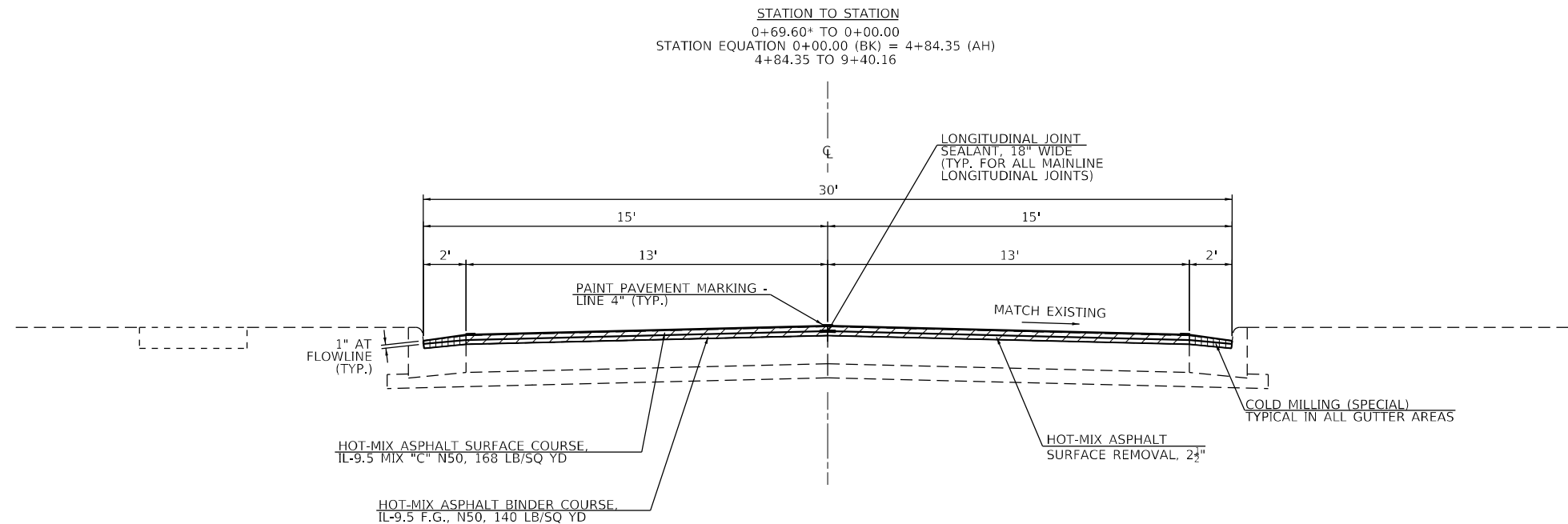
4 PROPOSED TYPICAL SECTION F.A.U. 7009

*OMISSION 14+42.40 TO 0+69.60



5 PROPOSED TYPICAL SECTION F.A.U. 7009

*OMISSION 14+42.40 TO 0+69.60



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 DATE -

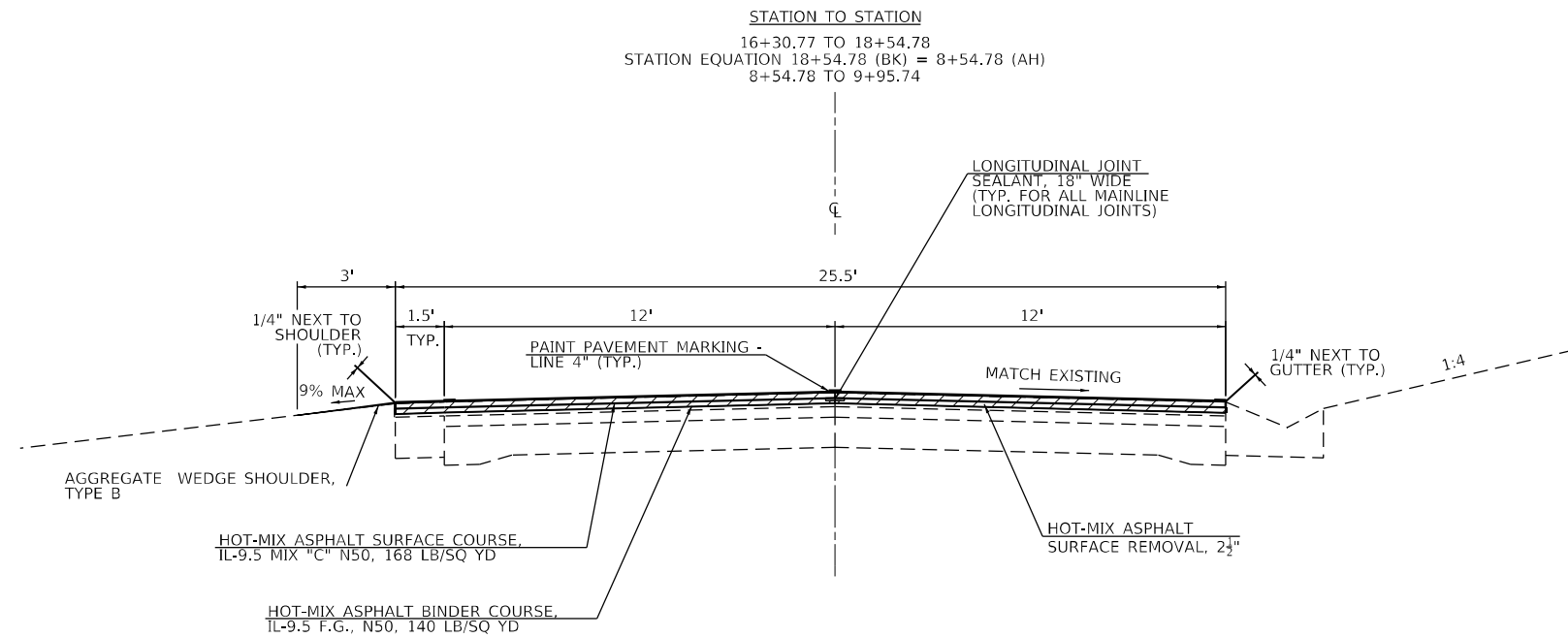
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

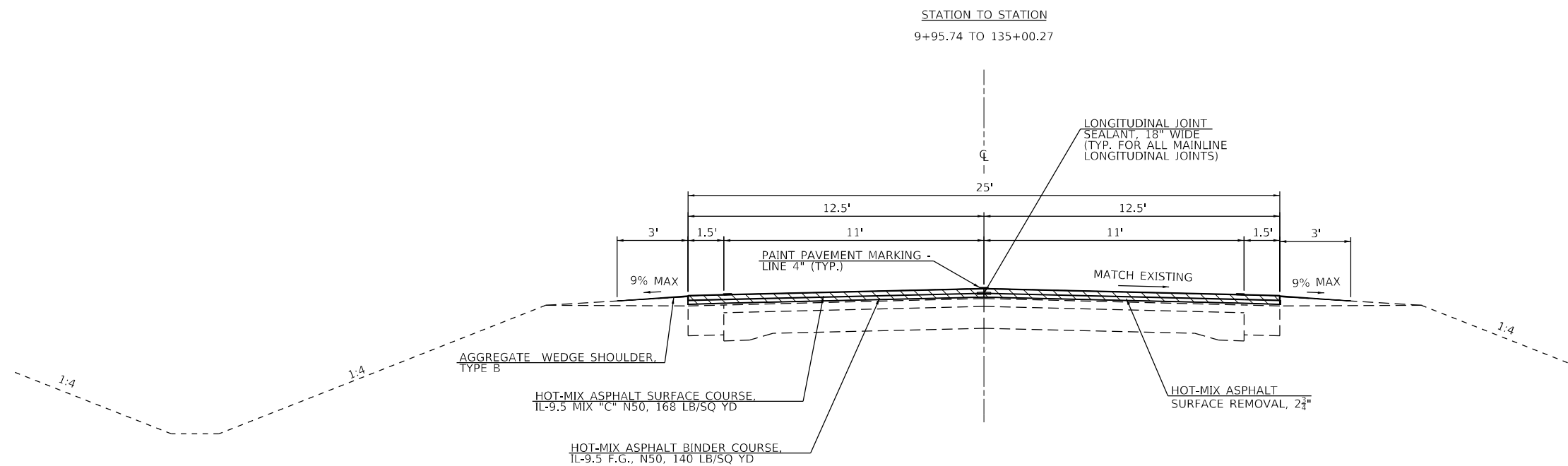
TYPICAL SECTIONS
 SCALE: NONE SHEET 7 OF 9 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	11
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				

8 PROPOSED TYPICAL SECTION F.A.U. 7009



9 PROPOSED TYPICAL SECTION F.A.U. 7009



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CHECKED - ZDL	REVISED -	
DATE -	REVISED -	
PLOT SCALE = 2,0000' / in.		
PLOT DATE = 1/12/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS			
SCALE: NONE	SHEET 9	OF 9 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	13
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				

LOCATION	40300400 BITUMINOUS MATERIALS (COVER AND SEAL COATS)	40300600 SEAL COAT AGGREGATE	40600290 BITUMINOUS MATERIALS (TACK COAT)	40600990 TEMPORARY RAMP	40602965 HMA BC 1L-9.5FG N50	40604050 HMA SC 1L-9.5 C N50	40800050 INCIDENTAL HMA SURF	44000155 HMA SURFACE REMOVAL 1 1/2"	44000159 HMA SURFACE REMOVAL 2 1/2"	44000160 HMA SURFACE REMOVAL 2 3/4"	X4400196 HMA SURFACE REMOVAL SPECIAL	Z0010910 COLD MILLING (SPECIAL)	48102100 AGGREGATE WEDGE SHOULDER TYPE B	Z0033700 LONGITUDINAL JOINT SEALANT
	TON	TON	POUND	SQ YD	TON	TON	TON	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	FOOT
STA. 65+11.20 ML	-	-	-	27	-	-	-	-	-	-	-	-	-	-
STA. 65+11.20 TO STA. 42+81.96 LT	-	-	-	-	-	-	-	-	-	-	-	-	38	-
STA. 65+11.20 TO STA. 42+64.16 RT	-	-	-	-	-	-	-	-	-	-	-	-	39	-
STA. 65+11.20 TO STA. 14+42.40 ML	-	-	11142	-	867	1040	-	-	12380	-	-	-	-	5069
STA. 35+82.98 TO STA. 14+42.40 LT	-	-	-	-	-	-	-	2076	-	-	-	-	-	-
STA. 35+82.98 TO STA. 14+42.40 RT	-	-	-	-	-	-	-	1948	-	-	-	-	-	-
STA. 14+42.00 ML	-	-	-	27	-	-	-	-	-	-	-	-	-	-
STA. 0+69.60 ML	-	-	-	27	-	-	-	-	-	-	-	-	-	-
STA. 0+69.60 TO STA. 0+00.00 LT	-	-	-	-	-	-	-	-	-	-	-	15	-	-
STA. 0+69.60 TO STA. 0+00.00 RT	-	-	-	-	-	-	-	-	-	-	-	15	-	-
STA. 4+84.35 TO STA. 9+40.16 LT	-	-	-	-	-	-	-	-	-	-	-	101	-	-
STA. 4+84.35 TO STA. 9+40.16 RT	-	-	-	-	-	-	-	-	-	-	-	101	-	-
STA. 0+69.60 TO STA 0+00.00 ML	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STA. 4+84.35 TO STA 18+54.78 ML	-	-	4226	-	329	394	-	-	4464	-	-	-	-	1581
STA. 8+54.78 TO STA. 9+95.74 ML	-	-	-	-	-	-	-	-	-	-	-	-	-	-
STA. 16+59.07 TO STA. 14+42.40 RT	-	-	-	-	-	-	-	-	-	-	-	-	4	-
STA. 12+88.64 TO STA. 16+30.77 LT	-	-	-	-	-	-	-	-	-	-	-	-	6	-
STA. 16+30.77 TO STA. 17+68.17 LT	-	-	-	-	-	-	-	-	-	-	-	-	2	-
STA. 9+95.74 TO STA. 135+00.27 ML	-	-	31781	-	2472	2966	-	-	-	35312	-	-	-	12505
STA. 9+95.74 TO STA. 135+00.27 LT	-	-	-	-	-	-	-	-	-	-	-	-	218	-
STA. 9+95.74 TO STA. 135+00.27 RT	-	-	-	-	-	-	-	-	-	-	-	-	218	-
STA. 135+00.27 ML	-	-	-	29	-	-	-	-	-	-	-	-	-	-
STA. 35+82.98 TO STA 14+42.40 LT	-	-	1154	-	-	251	-	-	-	-	-	488	-	-
STA. 35+82.98 TO STA 16+59.07 RT	-	-	-	-	-	-	-	-	-	-	-	428	-	-
STA. 35+82.98 TO STA 14+42.40 RT	-	-	1070	-	-	233	-	-	-	-	-	-	-	-
STA. 62+96.43 RT	-	-	-	21	-	-	22	-	-	-	140	-	-	-
STA. 58+00.32 LT	-	-	-	22	-	-	6	-	-	-	37	-	-	-
STA. 45+02.84 LT	-	-	-	28	-	-	6	-	-	-	37	-	-	-
STA. 34+49.00 LT	0.12	1606	76	17	-	-	-	-	-	-	-	-	-	-
STA. 22+68.70 LT	0.12	1621	77	17	-	-	-	-	-	-	-	-	-	-
STA. 19+94.86 LT	0.12	1607	76	15	-	-	-	-	-	-	-	-	-	-
STA. 16+94.09 LT	0.12	1520	72	19	-	-	-	-	-	-	-	-	-	-
STA. 6+70.37 LT	-	-	-	26	-	-	12	-	-	-	78	-	-	-
STA. 15+48.12 LT	-	-	-	18	-	-	9	-	-	-	60	-	-	-
STA. 21+55.46 LT	-	-	-	22	-	-	17	-	-	-	110	-	-	-
STA. 130+91.48 LT	-	-	-	37	-	-	24	-	-	-	159	-	-	-
STA. 133+91.58 RT	-	-	-	33	-	-	19	-	-	-	123	-	-	-
TOTAL	0.5	6354	49674	383	3667	4885	115	4024	16844	35312	744	1148	525	19155

LOCATION	78100100 RAISED REFLECTIVE PAVEMENT MARKER TWO-WAY AMBER	78001110 PAINT PVT MK LINE 4" WHITE SOLID	78001110 PAINT PVT MK LINE 4" YELLOW SOLID	78001110 PAINT PVT MK LINE 4" YELLOW SKIP	70300100 SHORT TERM PAVEMENT MARKING YELLOW SKIP	70300150 SHORT TERM PAVEMENT MARKING REMOVAL
	EACH	FOOT	FOOT	FOOT	FOOT	SQ FT
STA. 65+11.20 TO STA. 14+42.40 ML	63	-	-	-	-	-
STA. 0+69.60 TO STA 0+00.00 ML	1	-	-	17	7	909
STA. 4+84.35 TO STA 18+54.78 ML	17	-	-	343	137	-
STA. 8+54.78 TO STA. 135+00.27 ML	158	-	-	3161	1265	-
STA. 65+11.20 TO STA. 53+25.00 ML	-	-	-	297	119	-
STA. 53+25.00 TO STA. 41+50.00 LT	-	-	-	294	118	-
STA. 53+25.00 TO STA. 41+50.00 RT	-	-	1175	-	235	-
STA. 41+50.00 TO STA. 34+10.00 LT	-	-	740	-	148	-
STA. 41+50.00 TO STA. 34+10.00 RT	-	-	-	185	74	-
STA. 34+10.00 TO STA. 14+42.40 ML	-	-	-	492	197	-
STA. 65+11.20 TO STA. 14+42.40 LT	-	5069	-	-	-	-
STA. 65+11.20 TO STA. 14+42.40 RT	-	5069	-	-	-	-
STA. 0+69.60 TO STA 0+00.00 LT	-	70	-	-	-	-
STA. 0+69.60 TO STA 0+00.00 RT	-	70	-	-	-	-
STA. 4+84.35 TO STA 18+54.78 LT	-	1370	-	-	-	-
STA. 4+84.35 TO STA 18+54.78 RT	-	1370	-	-	-	-
STA. 8+54.78 TO STA. 135+00.27 LT	-	12646	-	-	-	-
STA. 8+54.78 TO STA. 135+00.27 RT	-	12646	-	-	-	-
STA. 35+82.98 TO STA. 14+42.40 LT	-	-	-	-	214	-
STA. 35+82.98 TO STA. 14+42.40 RT	-	-	-	-	214	-
TOTAL	239	38309	1915	4789	2727	909

LOCATION	44201777 CL D PATCH TY 11 11 IN	44201781 CL D PATCH TY 111 11 IN	44201783 CL D PATCH TY 1V 11 IN
	SQ YD	SQ YD	SQ YD
PATCHING 1 STA. 42+42.00 SB	-	18.3	-
PATCHING 2 STA. 38+00.00 NB	-	-	55.0
PATCHING 3 STA. 32+00.00 SB	7.3	-	-
PATCHING 4 STA. 30+25.00 NB	7.3	-	-
PATCHING 5 STA. 30+25.00 SB	7.3	-	-
PATCHING 6 STA. 24+00.00 NB	7.3	-	-
PATCHING 7 STA. 24+00.00 SB	7.3	-	-
PATCHING 8 STA. 22+00.00 SB	-	-	48.9
TOTAL	36.5	18.3	103.9
ROUNDED	37.0	19.0	104.0

APPLICATION RATES:

THE FOLLOWING APPLICATION RATES HAVE BEEN ASSUMED
IN CALCULATING PLAN QUANTITIES.

- HOT-MIX ASPHALT = 112 LBS/SQ YD/IN
- BITUMINOUS SURFACE TREATMENT:
BITUMINOUS MATERIALS (SEAL COAT) = 242 GAL/TON

1/21/2021 4:12:50 PM zleach I:\jobs\2016\101.16060.05 IDOT D5 W05 180-01B\Drawings\CAD Sheets\0570947-sht-schedule.dgn

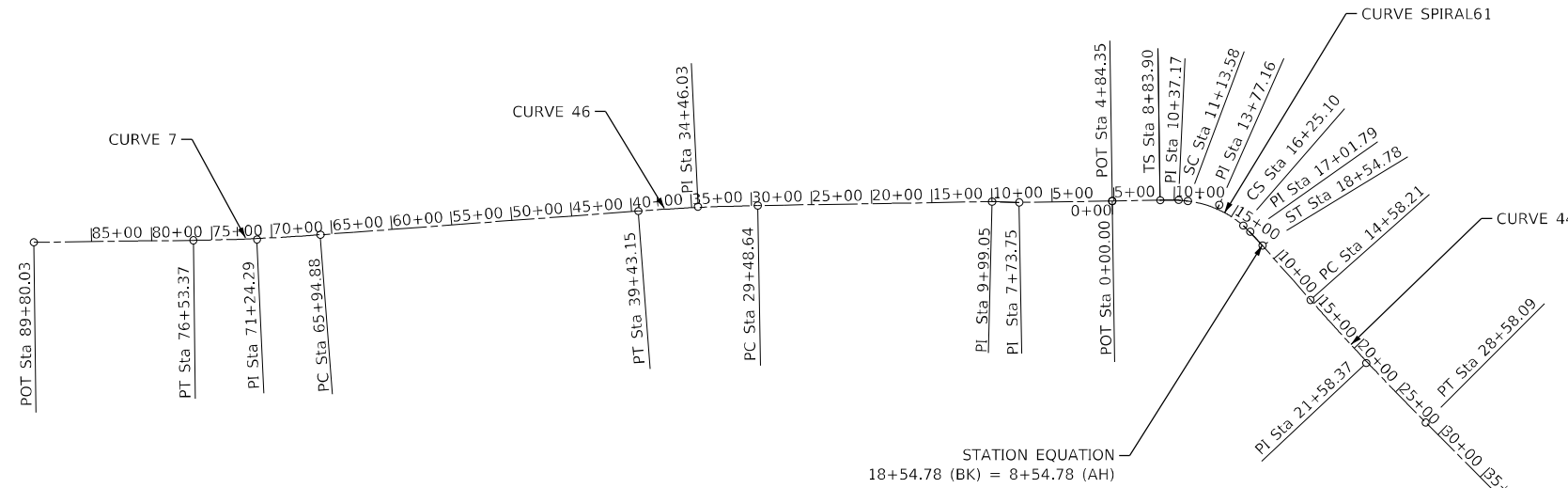
EXIST. CURVE 7
 PI STA. = 71+24.29
 $\Delta = 3^\circ 32' 02''$ (RT)
 $D = 0^\circ 20' 02''$
 $R = 17,160.96'$
 $T = 529.41'$
 $L = 1,058.48'$
 $E = 8.16'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 65+94.88
 P.T. STA. = 76+53.37

EXIST. CURVE 46
 PI STA. = 34+46.03
 $\Delta = 3^\circ 18' 18''$ (LT)
 $D = 0^\circ 19' 56''$
 $R = 17,240.22'$
 $T = 497.39'$
 $L = 994.50'$
 $E = 7.17'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 29+48.64
 P.T. STA. = 39+43.15

EXIST. CURVE SPIRAL61
 PI STA. = 13+77.16
 $\Delta = 34^\circ 04' 56''$ (RT)
 $D = 6^\circ 39' 47''$
 $R = 859.92'$
 $T = 263.58'$
 $L = 511.52'$
 $E = 39.49'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 11+13.58
 P.T. STA. = 16+25.10

EXIST. CURVE 44
 PI STA. = 21+58.37
 $\Delta = 3^\circ 31' 31''$ (LT)
 $D = 0^\circ 15' 07''$
 $R = 22,751.27'$
 $T = 700.16'$
 $L = 1,399.88'$
 $E = 10.77'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 14+58.21
 P.T. STA. = 28+58.09

EXIST. CURVE 43
 PI STA. = 115+13.23
 $\Delta = 5^\circ 10' 16''$ (LT)
 $D = 0^\circ 10' 04''$
 $R = 34,129.24'$
 $T = 1,541.15'$
 $L = 3,080.21'$
 $E = 34.78'$
 $e =$
 T.R. =
 S.E. RUN =
 P.C. STA. = 99+72.08
 P.T. STA. = 130+52.29



HORIZONTAL & VERTICAL DATUMS

HORIZONTAL: NAD 83, ILLINOIS STATE PLANE, EAST ZONE, 2011 ADJUSTMENT AND GEOID 12A.

VERTICAL: NAVD 88

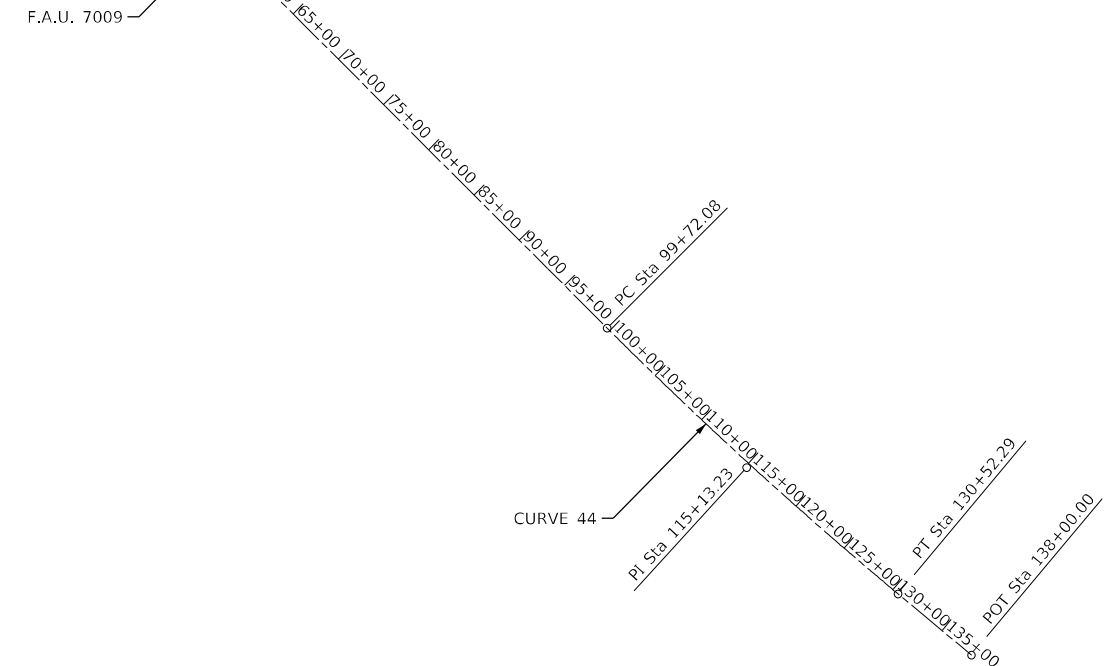
BENCHMARKS

PT# 300 USGS BENCHMARK
 NORTHING 1,239,763.206
 EASTING 1,161,275.8660
 ELEVATION 655.960
 STATION 12+05.83
 OFFSET 45.9985 LT.



F.A.U. 7009 ALIGNMENT

POINT	DESCRIPTION	NORTHING	EASTING	STATION	OFFSET	EXISTING MARKER	XZ193400 SURVEY MARKER, TYPE 2 (SPECIAL)	
							EA	CH
63	P.O.T.	1239033.156	1161304.086	0+00.00	0	MAG NAIL	-	1
58	P.I.	1238259.493	1161315.655	7+73.75	0	MAG NAIL	-	1
57	P.I.	1238034.270	1161309.756	9+99.05	0	CL R.R.	-	-
-	P.C.	1236084.950	1161342.253	29+48.64	0	MAG NAIL	-	-
46	P.I.	1235587.629	1161350.543	34+46.03	7.17' RT	MAG NAIL	-	1
-	P.T.	1235091.613	1161387.492	39+43.15	0	MAG NAIL	-	-
-	P.C.	1232447.202	1161584.478	65+94.88	0	MAG NAIL	-	-
7	P.I.	1231919.255	1161623.806	71+24.29	8.16' LT	MAG NAIL	-	1
-	P.T.	1231389.888	1161630.516	76+53.37	0	MAG NAIL	-	-
1	P.O.T.	1230063.335	1161647.330	89+80.03	0	MAG NAIL	-	1
62	P.O.T.	1239033.156	1161304.086	4+84.35	0	MAG NAIL	-	1
-	T.S.	1239432.666	1161298.112	8+83.90	0	MAG NAIL	-	1
-	P.I.	1239585.912	1161295.820	10+37.17	3.04' LT	-	-	1
-	S.C.	1239662.063	1161304.894	11+13.58	0	MAG NAIL	-	1
-	P.C.	1239662.063	1161304.894	11+13.58	0	MAG NAIL	-	1
61	P.I.	1239923.790	1161336.079	13+77.16	39.49' LT	MAG NAIL	-	-
-	P.T.	1240123.085	1161508.575	16+25.10	0	MAG NAIL	-	-
-	C.S.	1240123.085	1161508.575	16+25.10	0	MAG NAIL	-	1
-	P.I.	1240181.072	1161558.764	17+01.79	3.04' LT	MAG NAIL	-	1
-	S.T.	1240282.569	1161673.602	18+54.78	0	MAG NAIL	-	1
64	-	1240282.569	1161673.602	8+54.78	0	MAG NAIL/STA. EQU.	-	-
-	P.C.	1240682.186	1162125.743	14+58.21	0	MAG NAIL	-	-
44	P.I.	1241145.862	1162650.365	21+58.37	10.77' RT	MAG NAIL	-	1
-	P.T.	1241640.921	1163145.482	28+58.09	0	MAG NAIL	-	1
-	P.C.	1246670.980	1168176.133	99+72.08	0	MAG NAIL	-	1
-	P.I.	1247760.674	1169265.954	115+13.23	34.78' RT	IRON ROD W/ CAP	-	-
-	P.T.	1248944.157	1170253.128	130+52.29	0	MAG NAIL	-	1
52	P.O.T.	1249518.342	1170732.070	138+00.00	0	-	-	-
TOTAL								16



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PLOT SCALE = 1/500 0000" / IN.	DRAWN - RNH	REVISED -
PLOT DATE = 1/12/2021	CHECKED -	REVISED -
	DATE -	REVISED -

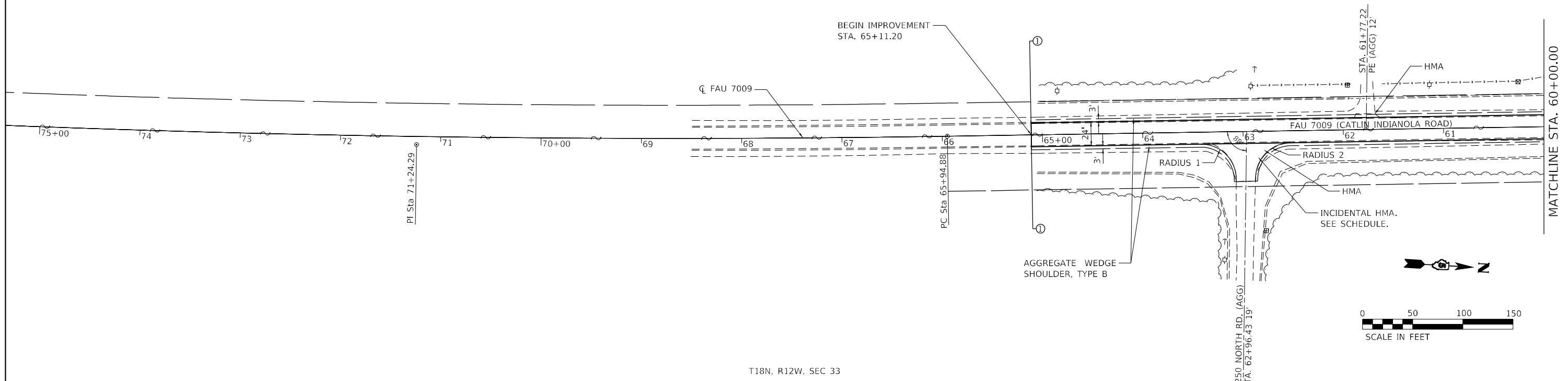
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, AND BENCHMARKS

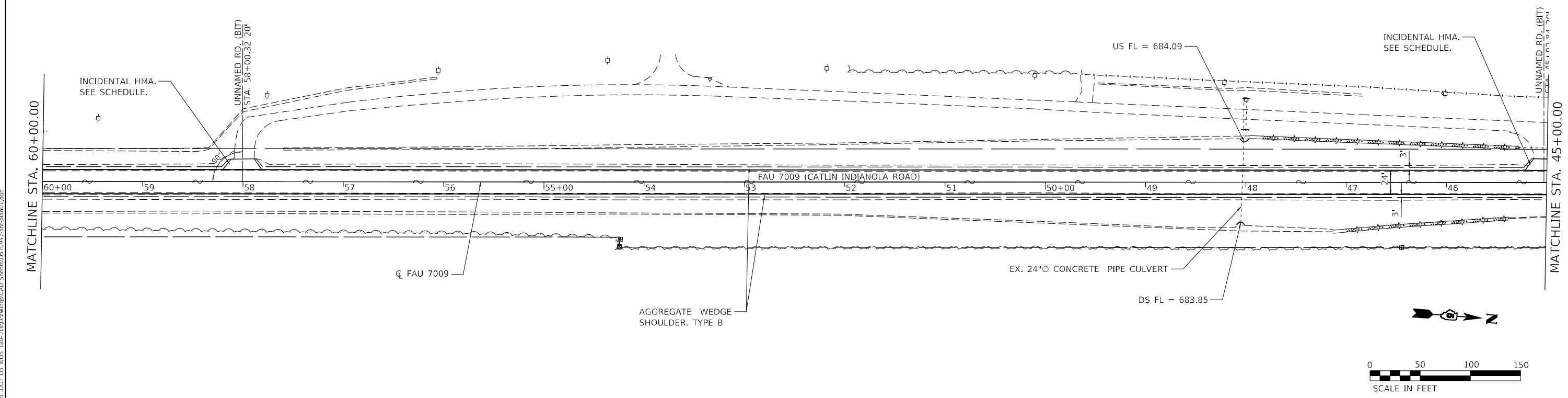
SHEET 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	15
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				

SIDEROAD RADIUS SCHEDULE				
MARK	HMA RADIUS	HMA RADIUS CENTER	SHOULDER RADIUS	SHOULDER RADIUS CENTER
1	35'	N 1232702.42 E 1161612.60	33'	N 1232702.48 E 1161613.60
2	35'	N 1232791.53 E 1161605.96	33'	N 1232791.56 E 1161606.96



T18N, R12W, SEC 33



T18N, R12W, SEC 33

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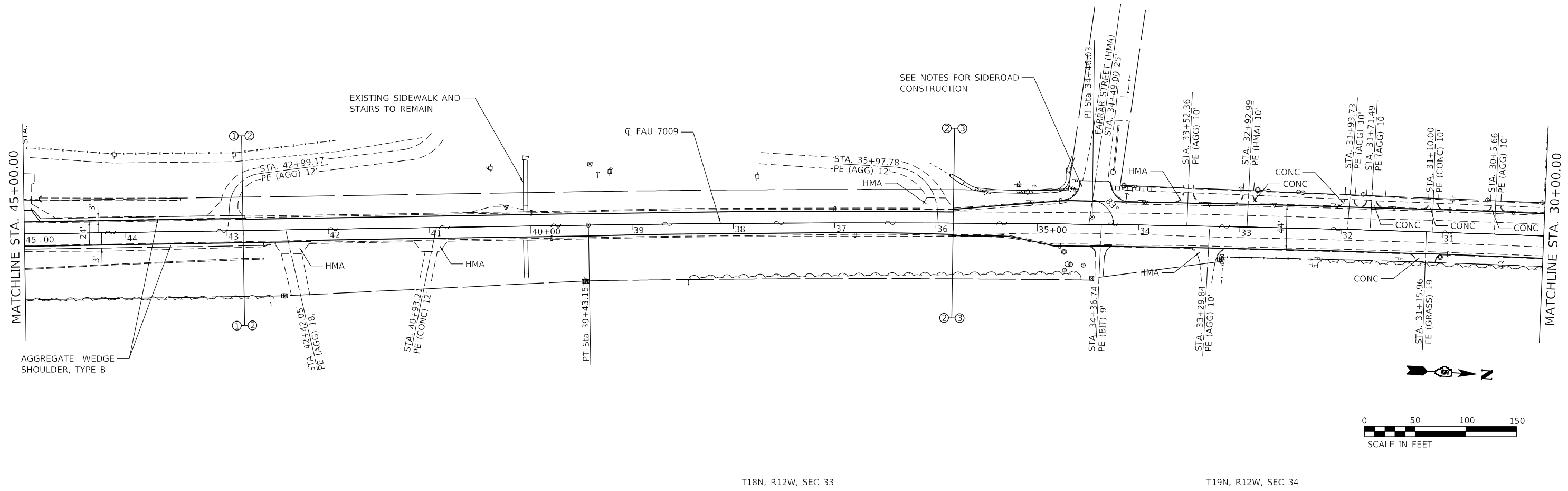
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CHECKED - ZDL	REVISED -	
DATE -	REVISED -	
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PLOT DATE = 1/12/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

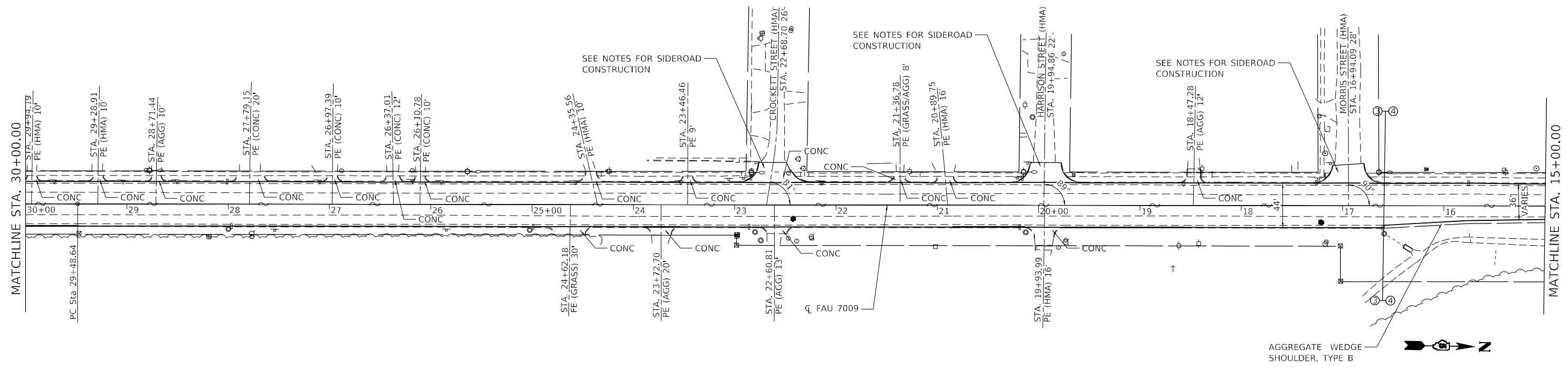
PLAN SHEET				
SCALE: 1" = 50'	SHEET 1	OF 8	SHEETS	STA. 75+00.00 TO STA. 45+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	16
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				



T18N, R12W, SEC 33

T19N, R12W, SEC 34



T19N, R12W, SEC 34

- SEQUENCE OF CONSTRUCTION NOTES FOR SIDE ROADS INSIDE CATLIN VILLAGE LIMITS (A-1 SEAL COAT AND FOG COAT)
1. APPLY BITUMINOUS MATERIALS (TACK COAT) TO EXISTING, UNMILLED SIDE ROAD SURFACE.
 2. PLACE A-1 BITUMINOUS SURFACE TREATMENT
 - A. PLACE SEAL COAT AGGREGATE.
 - B. PLACE BITUMINOUS MATERIALS (COVER AND SEAL COATS).
 3. PLACE BITUMINOUS MATERIALS (TACK COAT) ON TOP OF A-1 BITUMINOUS SURFACE TREATMENT (FOG COAT).

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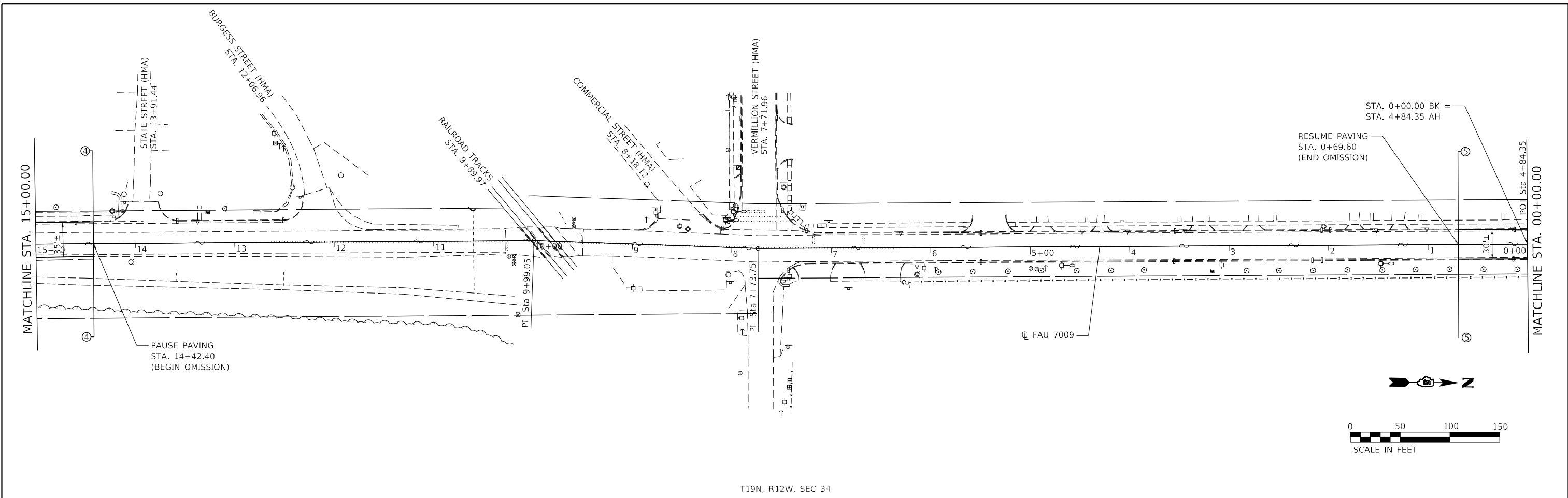
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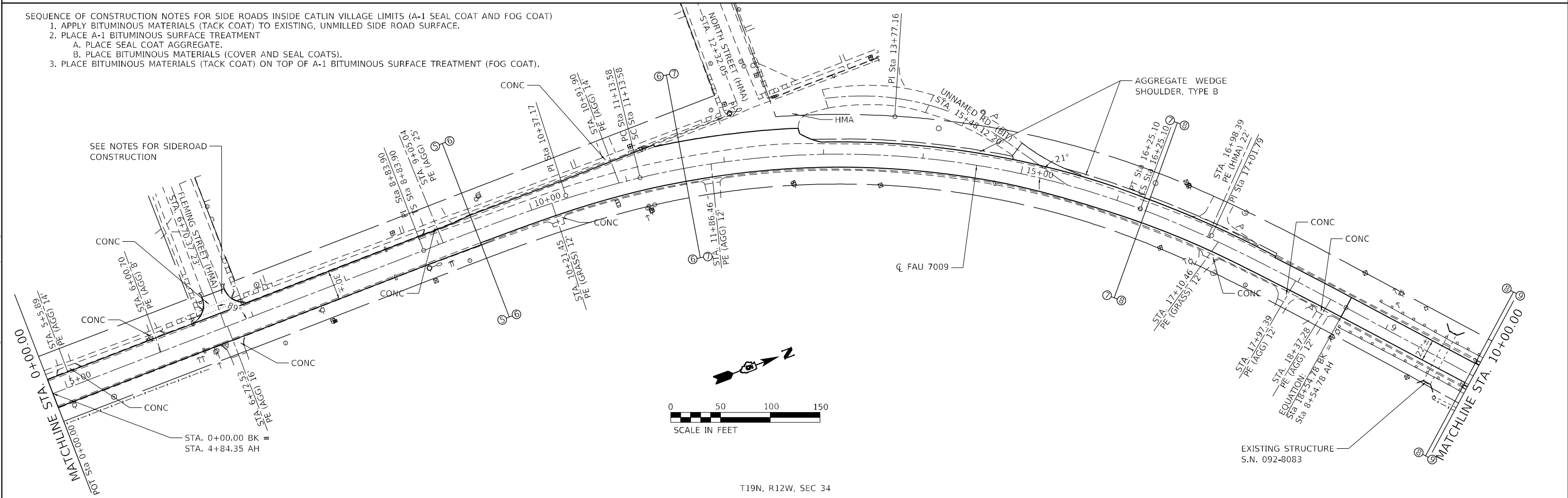
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE: 1" = 50'	SHEET 2	OF 8 SHEETS	STA. 45+00.00 TO STA. 15+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	17
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				



- SEQUENCE OF CONSTRUCTION NOTES FOR SIDE ROADS INSIDE CATLIN VILLAGE LIMITS (A-1 SEAL COAT AND FOG COAT)
1. APPLY BITUMINOUS MATERIALS (TACK COAT) TO EXISTING, UNMILLED SIDE ROAD SURFACE.
 2. PLACE A-1 BITUMINOUS SURFACE TREATMENT
 - A. PLACE SEAL COAT AGGREGATE.
 - B. PLACE BITUMINOUS MATERIALS (COVER AND SEAL COATS).
 3. PLACE BITUMINOUS MATERIALS (TACK COAT) ON TOP OF A-1 BITUMINOUS SURFACE TREATMENT (FOG COAT).



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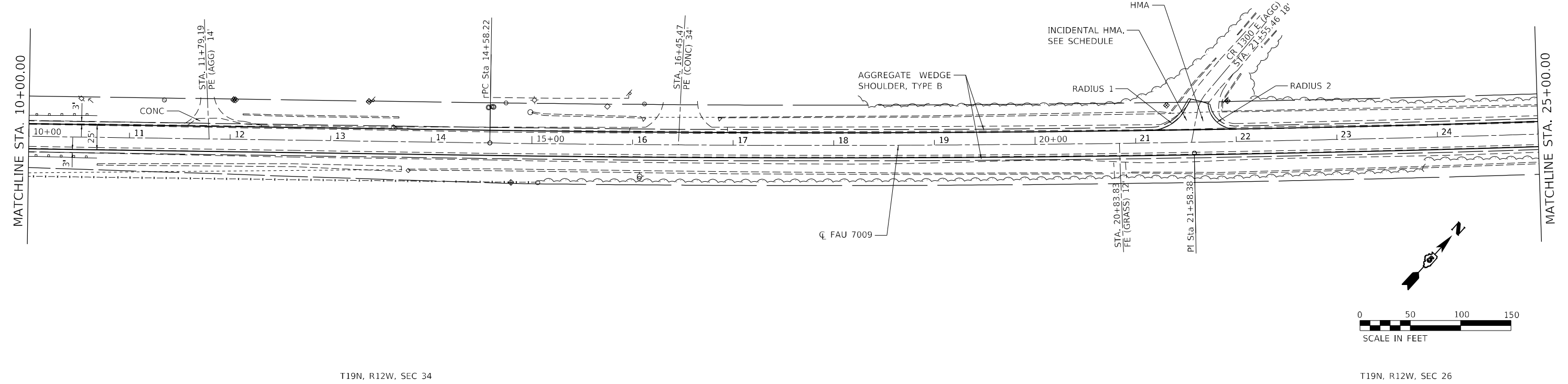
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DATE -	REVISED -	
PLOT SCALE = 100,0000' / in.		
PLOT DATE = 1/12/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE: 1" = 50'	SHEET 3	OF 8 SHEETS	STA. 15+00.00 TO STA. 10+00.00

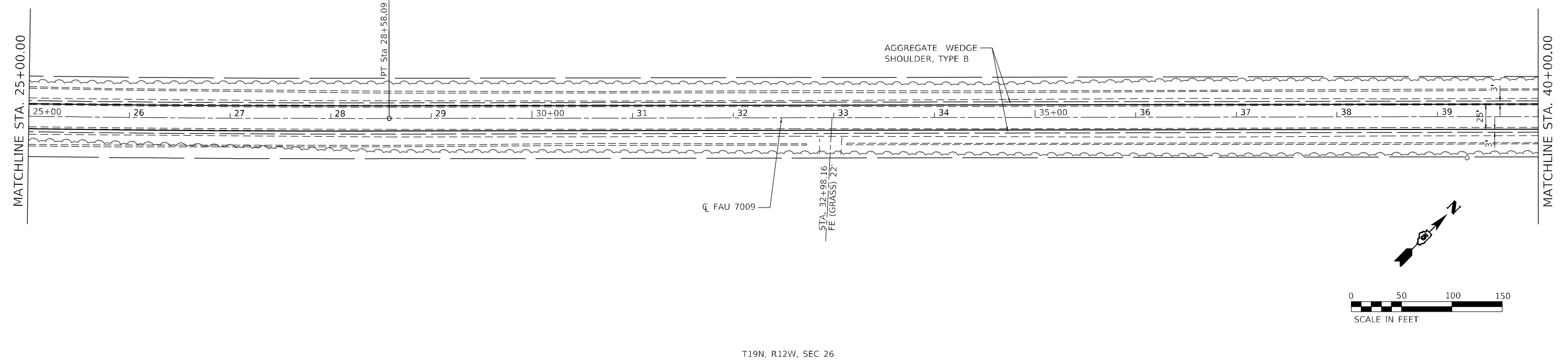
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	18
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				

SIDEROAD RADIUS SCHEDULE				
MARK	HMA RADIUS	HMA RADIUS CENTER	SHOULDER RADIUS	SHOULDER RADIUS CENTER
1	40'	N 1241162.28 E 1162575.39	38'	N 1241163.23 E 1162574.95
2	27'	N 1241210.83 E 1162646.01	25'	N 1241211.53 E 1162645.30



T19N, R12W, SEC 34

T19N, R12W, SEC 26



T19N, R12W, SEC 26

MODEL: D:\p1\1116060_05_IDOT_DS_W05_180418D-rw\p116060_05_Sheets\0570972r-ct-sub04.dgn

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DRAWN - RNH	REVISED -	
CHECKED - ZDL	REVISED -	
DATE -	REVISED -	
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PLOT DATE = 1/12/2021		

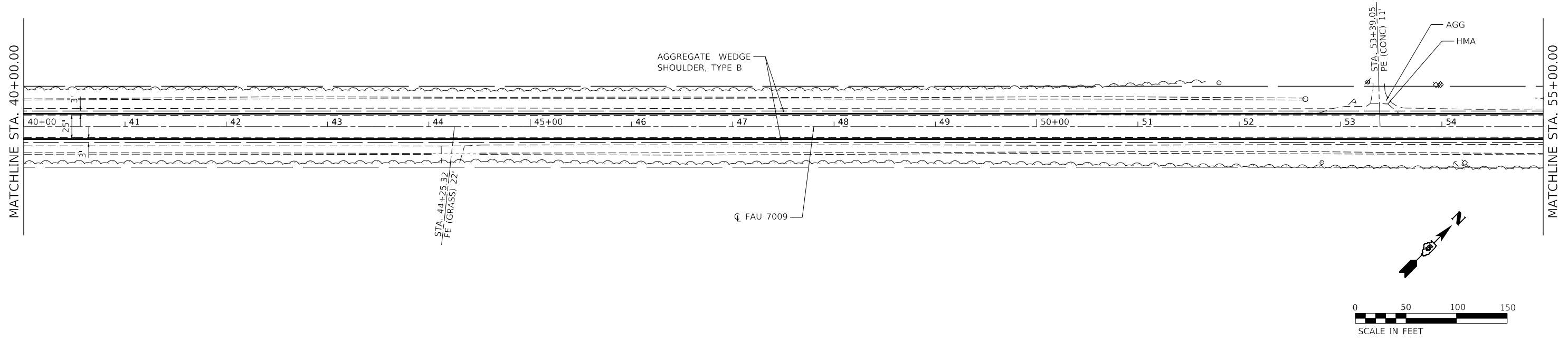
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

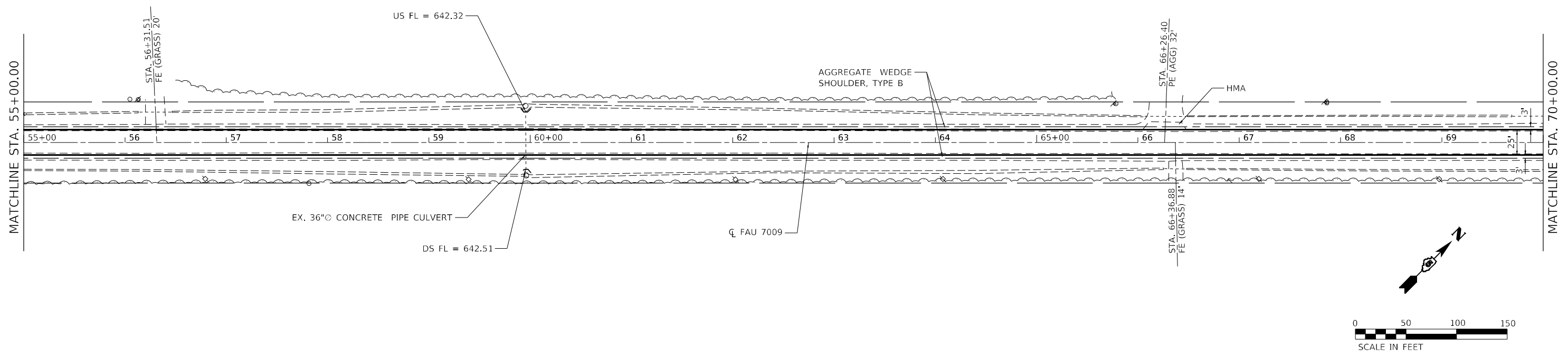
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	19
CONTRACT NO. 70947				

ILLINOIS FED. AID PROJECT



T19N, R12W, SEC 26



T19N, R12W, SEC 26

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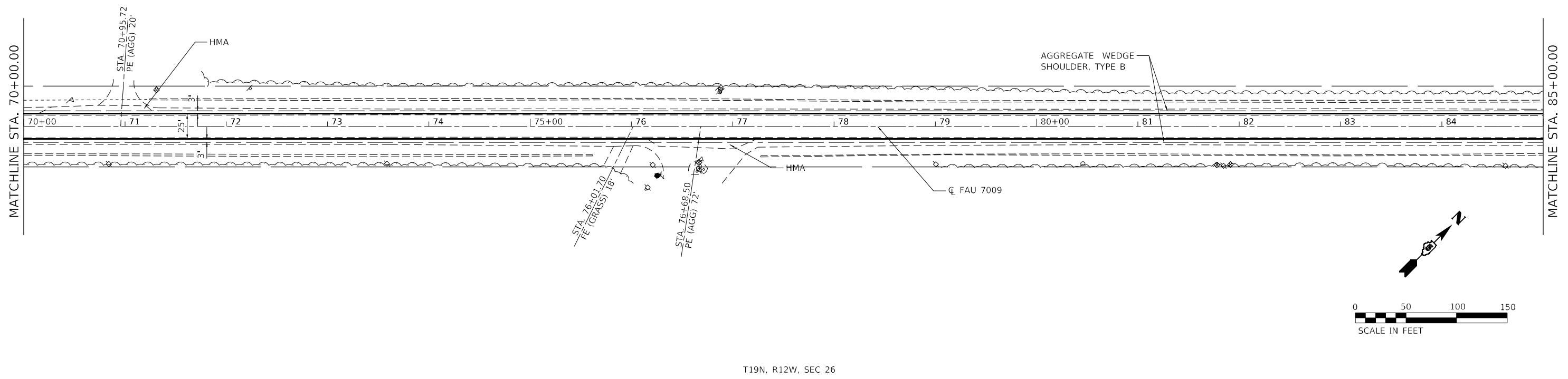
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PLOT DATE = 1/12/2021	DATE -	REVISED -

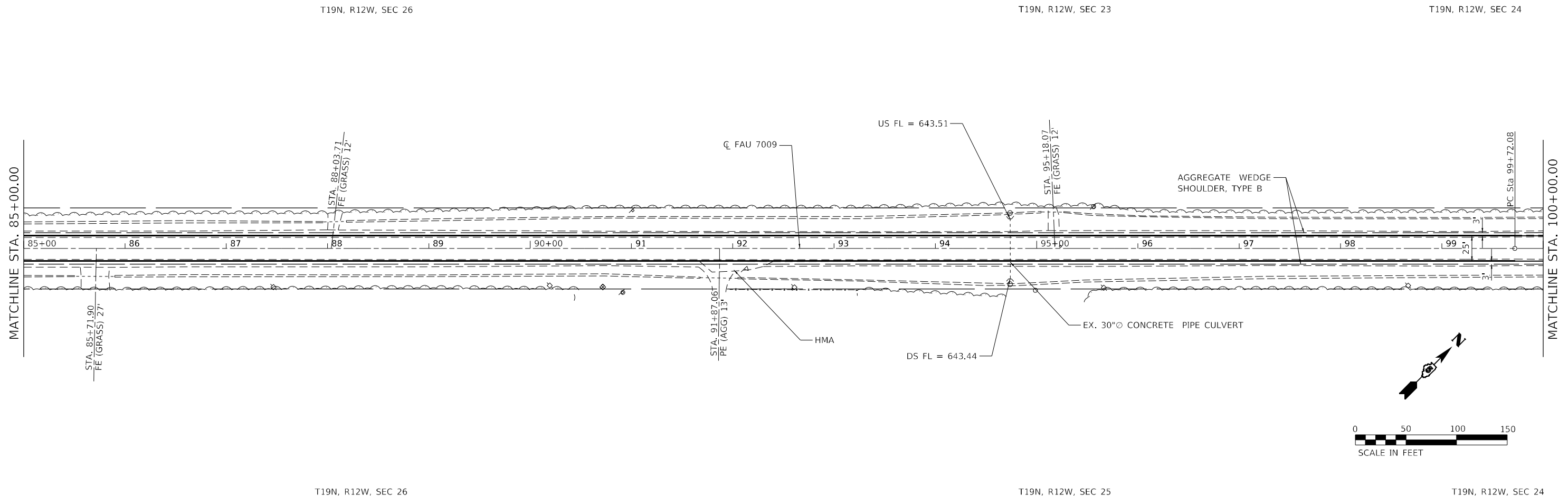
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE: 1" = 50'	SHEET 5	OF 8 SHEETS	STA. 40+00.00 TO STA. 70+00.00

F.A.U. RTE. 7009	SECTION (5,79,72)RS-1	COUNTY VERMILION	TOTAL SHEETS 29	SHEET NO. 20
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				



T19N, R12W, SEC 26



T19N, R12W, SEC 26

T19N, R12W, SEC 25

T19N, R12W, SEC 24

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	DATE -	REVISED -

DESIGNED - ZDL	REVISED -
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CHECKED - ZDL	REVISED -
DATE -	REVISED -

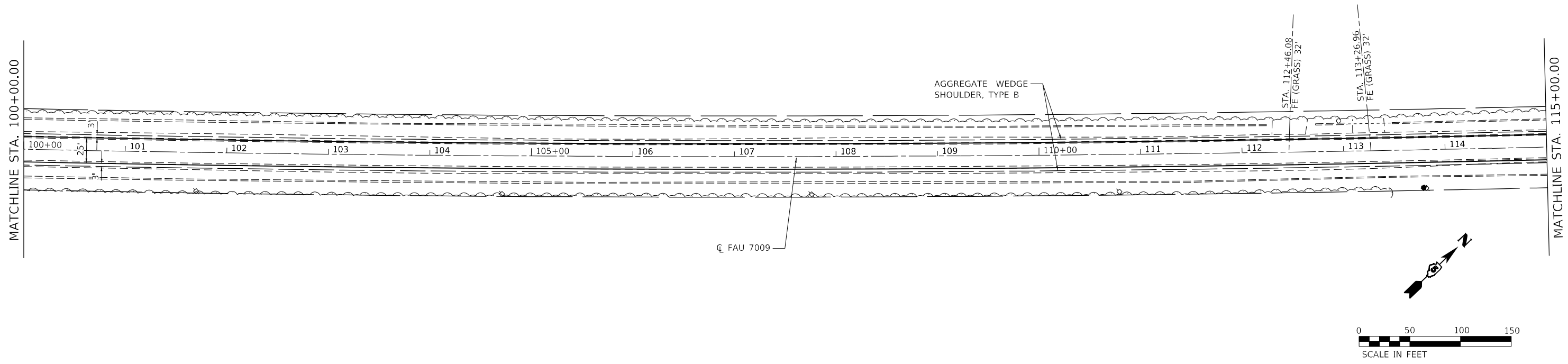
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEET			
SCALE: 1" = 50'	SHEET 6	OF 8 SHEETS	STA. 70+00.00 TO STA. 100+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 100+00.00

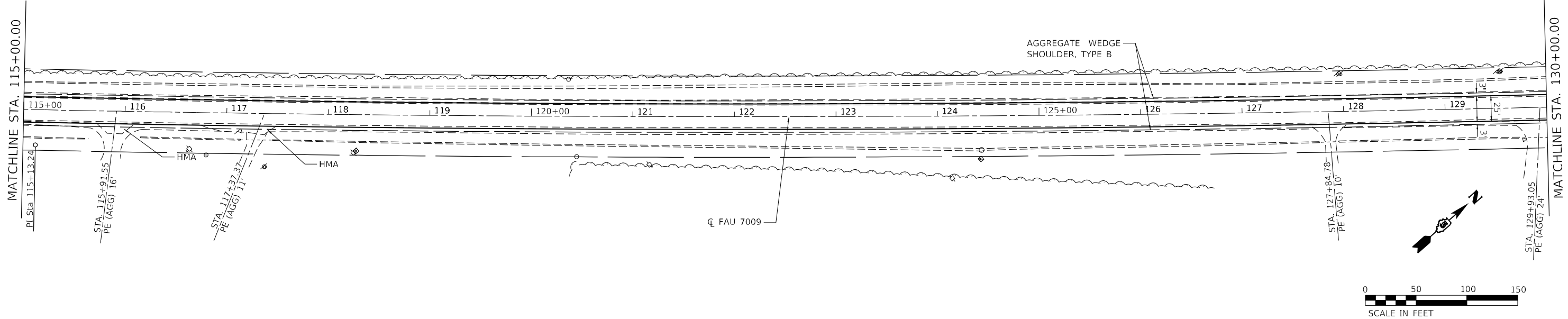
MATCHLINE STA. 115+00.00



T19N, R12W, SEC 24

MATCHLINE STA. 115+00.00

MATCHLINE STA. 130+00.00



T19N, R12W, SEC 24

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FILE: NAME: 115000.dwg
PROJECT: 115000
DATE: 1/12/2021

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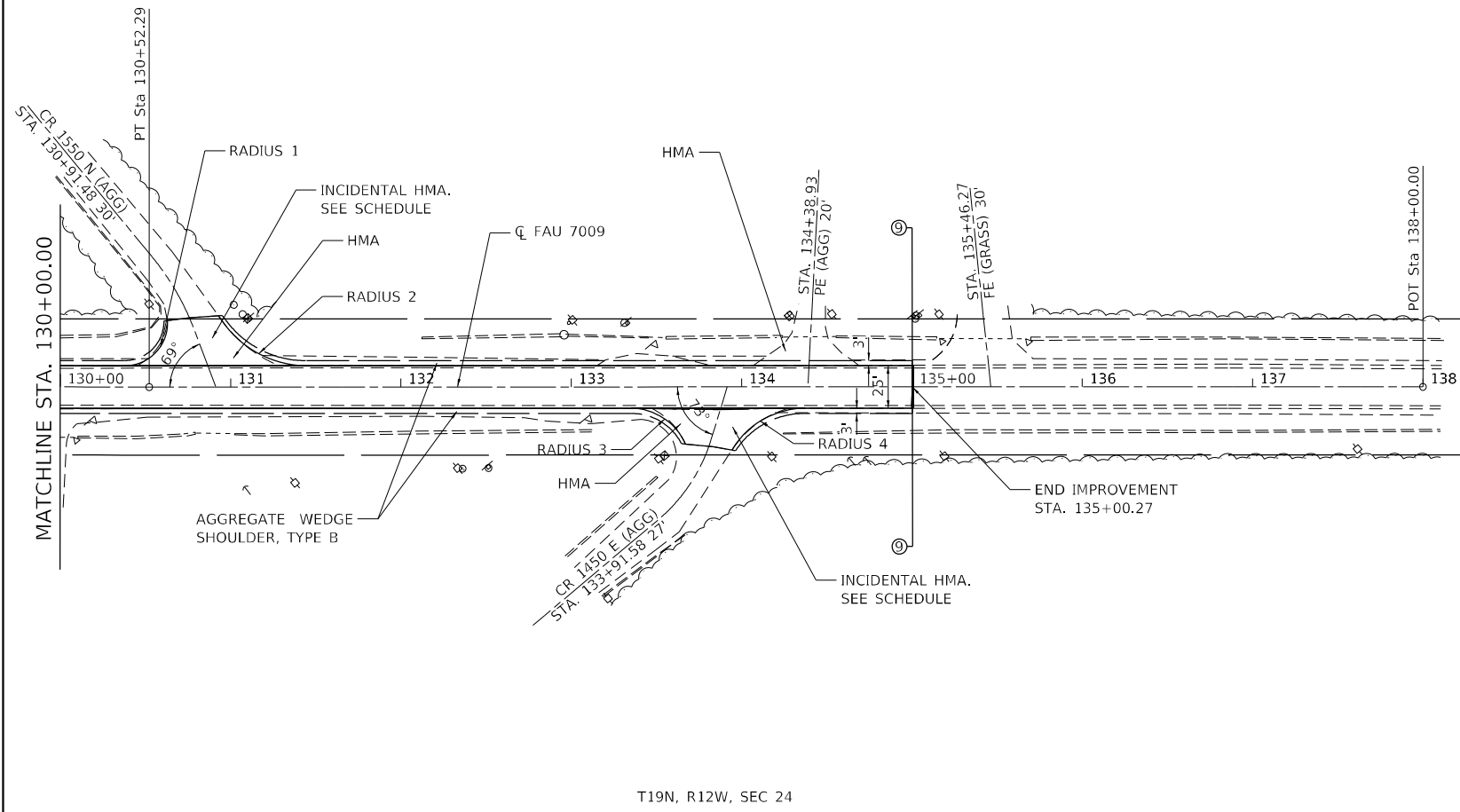
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DRAWN - RNH	REVISED -	
CHECKED - ZDL	REVISED -	
DATE -	REVISED -	
PLOT SCALE = 100,0000' / in.		
PLOT DATE = 1/12/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

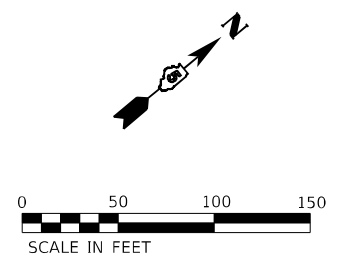
PLAN SHEET

SCALE: 1" = 50'	SHEET 7	OF 8	SHEETS	STA. 100+00.00	TO STA. 130+00.00
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	22
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				



SIDEROAD RADIUS SCHEDULE				
MARK	HMA RADIUS	HMA RADIUS CENTER	SHOULDER RADIUS	SHOULDER RADIUS CENTER
1	25'	N 1248957.20 E 1170215.15	23'	N 1248957.78 E 1170214.33
2	60'	N 1249061.64 E 1170256.72	58'	N 1249061.73 E 1170255.49
3	35'	N 1249130.88 E 1170470.73	33'	N 1249130.56 E 1170471.77
4	50'	N 1249199.88 E 1170547.82	58'	N 1249198.74 E 1170548.17



T19N, R12W, SEC 24

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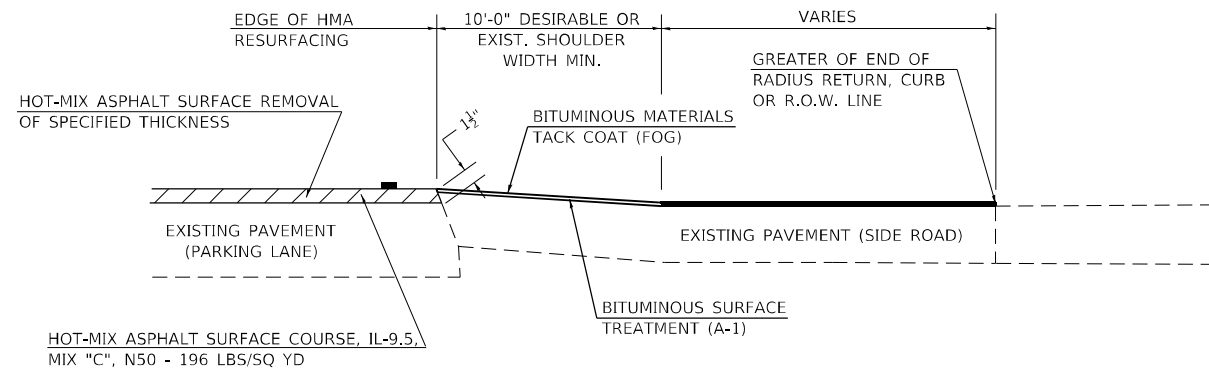
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PLOT DATE = 1/12/2021		

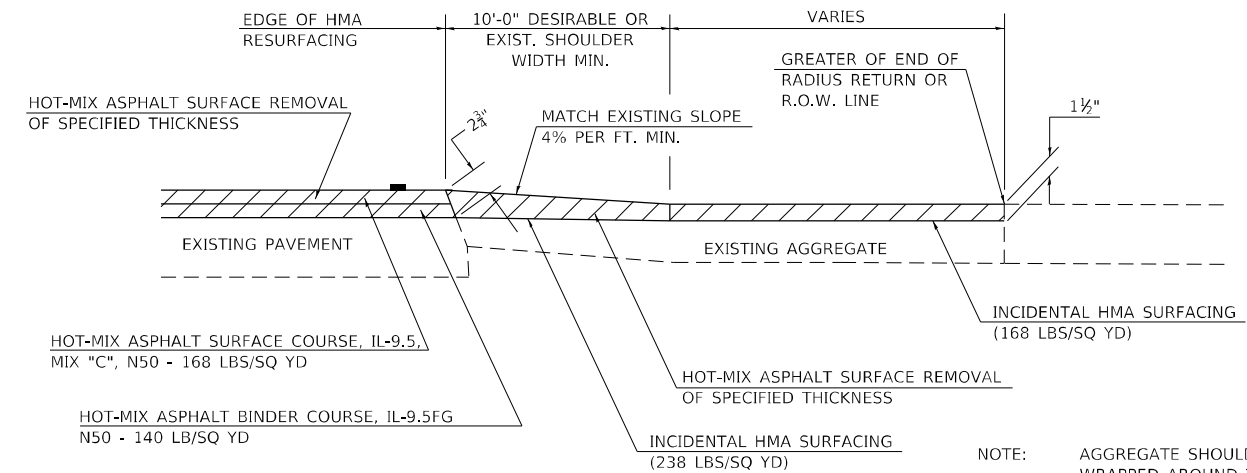
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET				
SCALE: 1" = 50'	SHEET 8	OF 8	SHEETS	STA. 130+00.00 TO STA. 138+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	23
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				

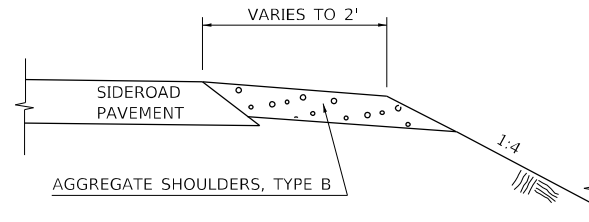


SIDEROAD RUNDOWN DETAIL
INSIDE CATLIN VILLAGE LIMITS

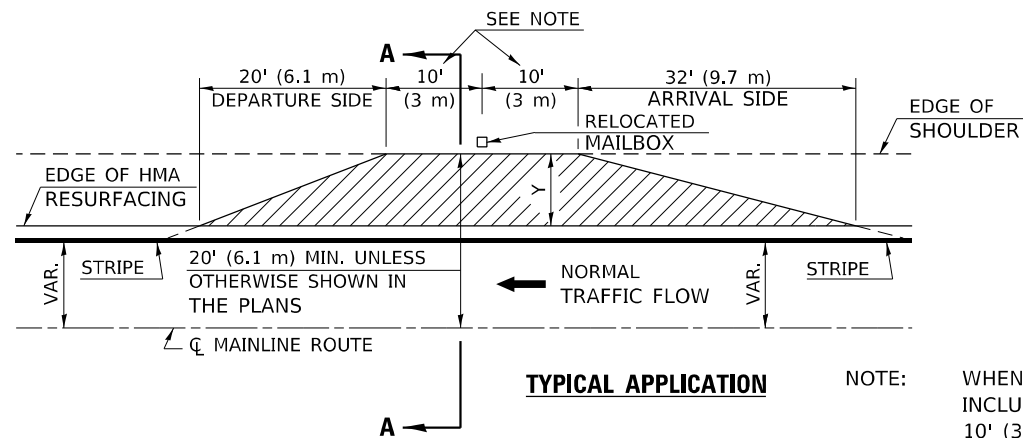


SIDEROAD RUNDOWN DETAIL
OUTSIDE CATLIN VILLAGE LIMITS

NOTE: AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.



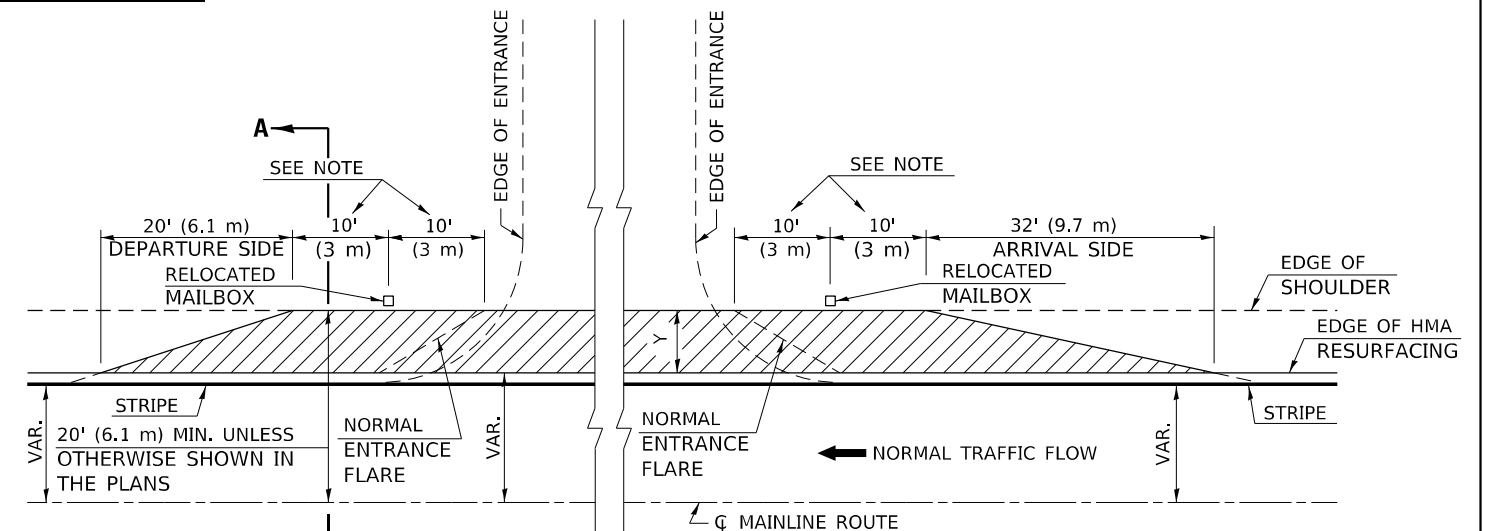
SIDEROAD SHOULDER TREATMENT



TYPICAL MAILBOX TURNOUT PLACEMENT

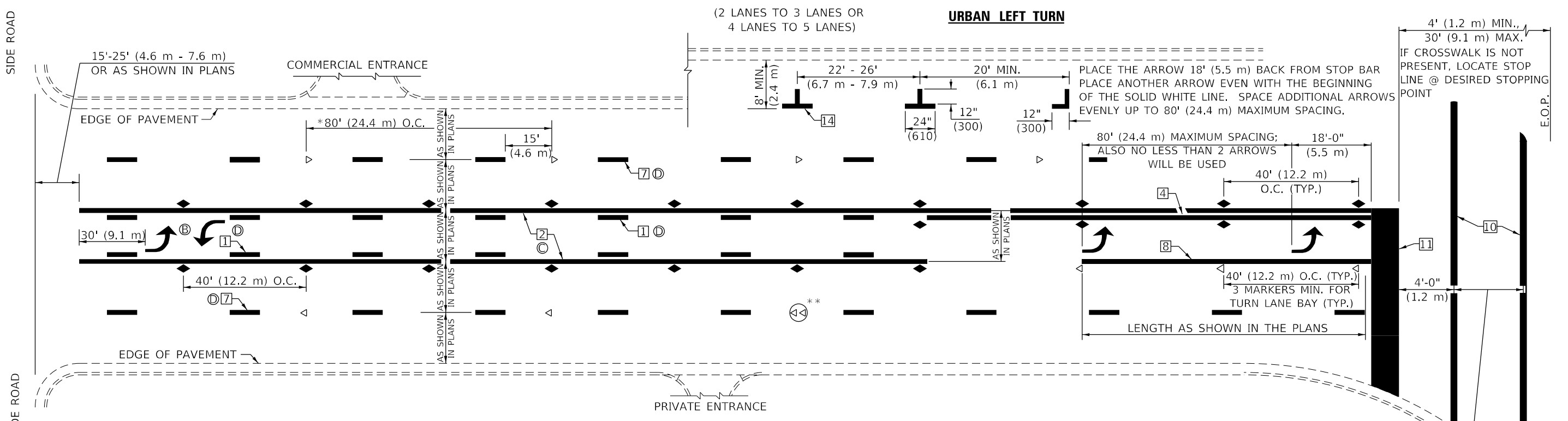
NOTE: WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.

WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



**TYPICAL MAILBOX TURNOUT PLACEMENT
ADJACENT TO ENTRANCE**

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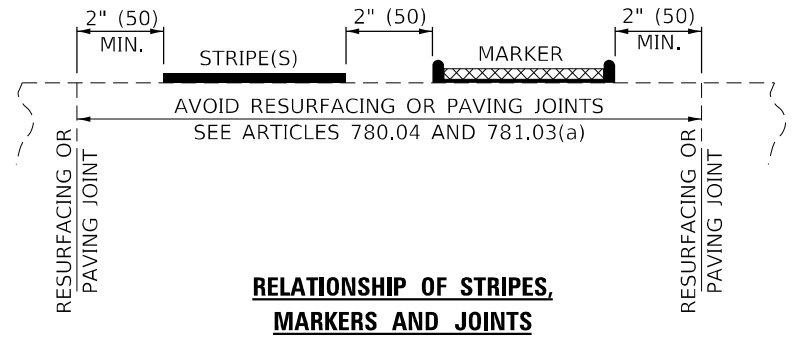
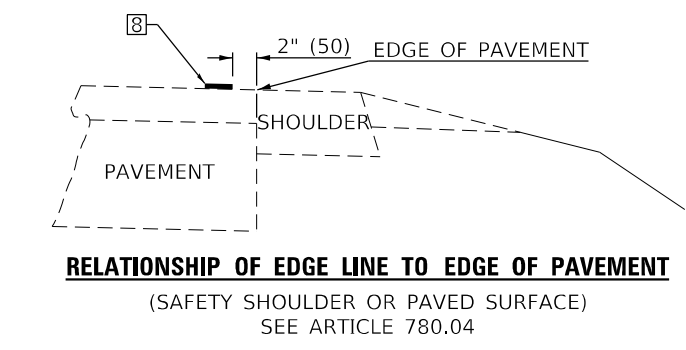
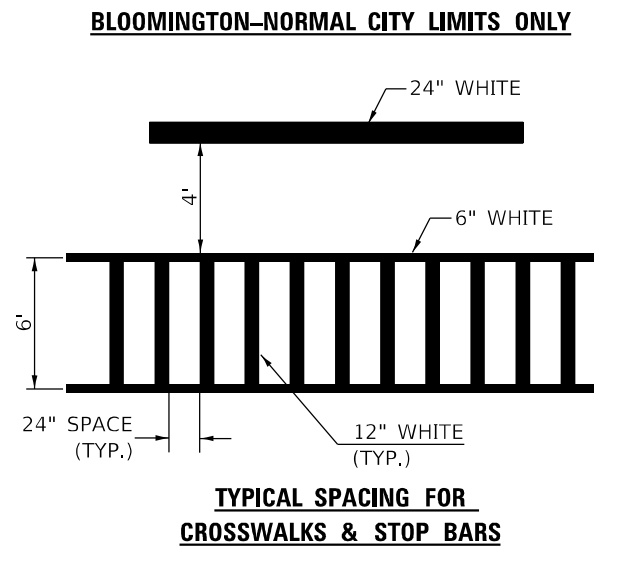
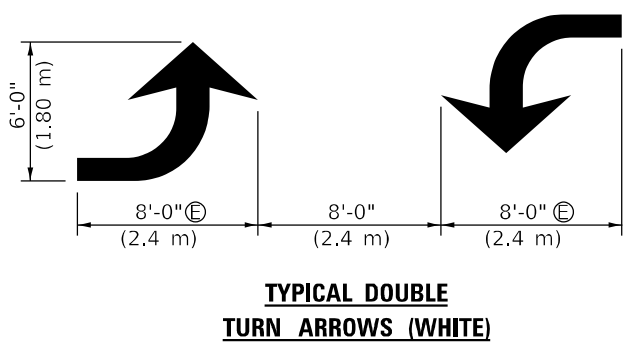
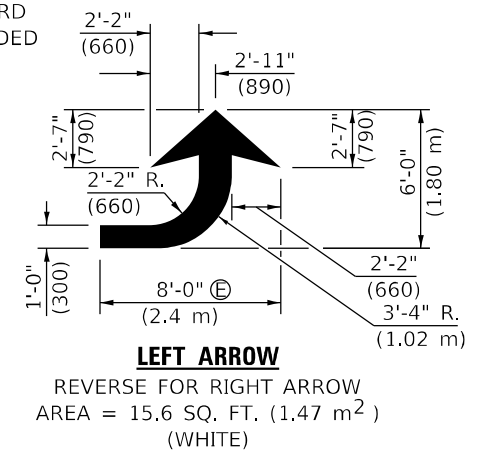


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

GENERAL NOTES:

- (B) 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.
- (C) 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.
- (D) 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. SEE EXAMPLE ON SHEET 2 OF 3.
- (E) USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



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

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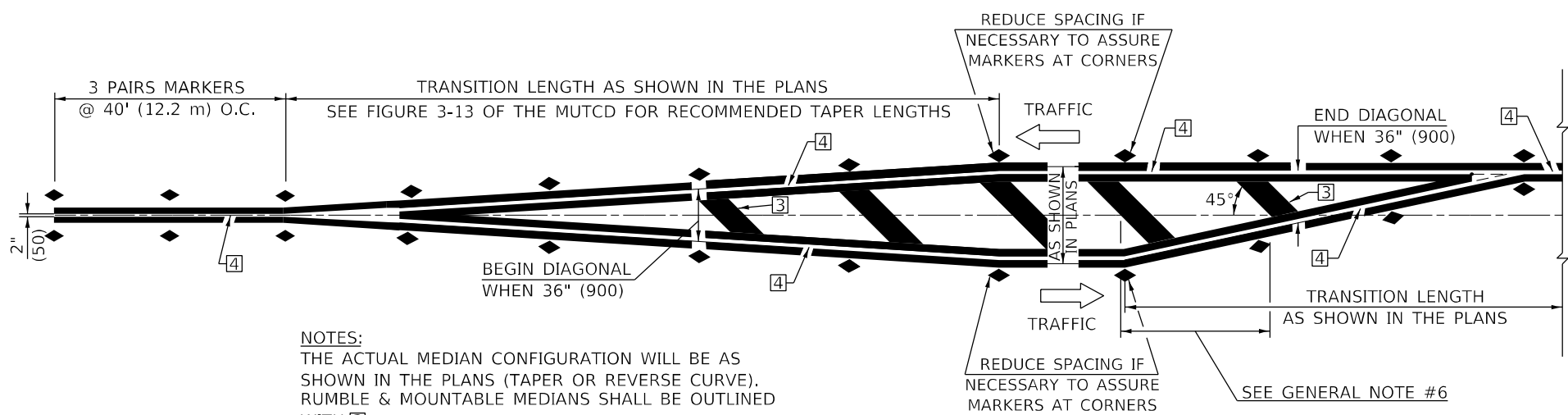
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PLOT DATE = 1/12/2021	CHECKED -	REVISED - 04/14 JLA
	DATE -	REVISED - 3/2019 SWN

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

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

DISTRICT 5 DETAIL NO. 7800AAA				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	26
CONTRACT NO. 70947			ILLINOIS FED. AID PROJECT	

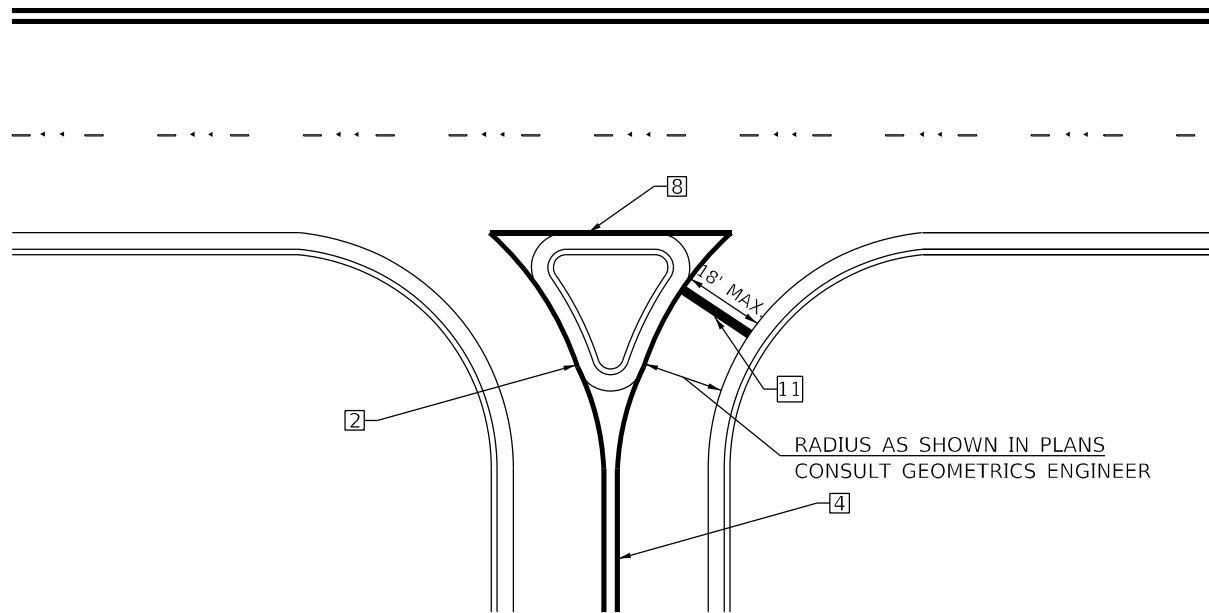


NOTES:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE). RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [4].

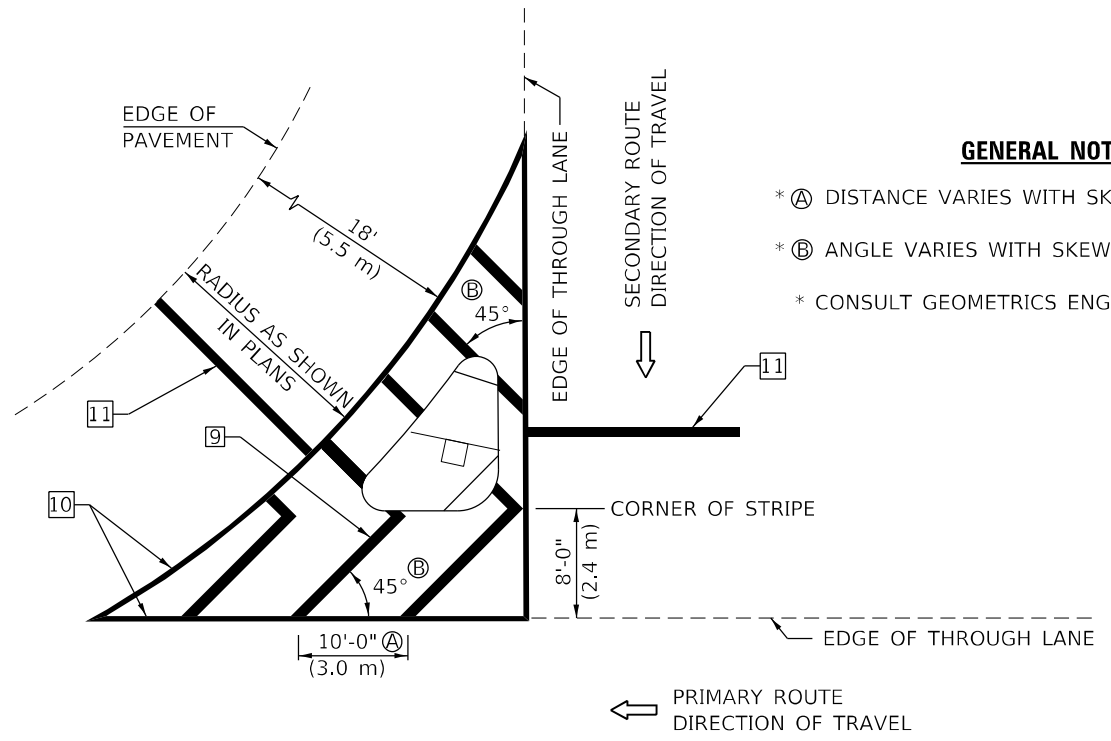
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
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. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
<30 MPH USE 15' (<50 km/h USE 4.5 m)
30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
>45 MPH USE 30' (>75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



ISLAND

GENERAL NOTES

- * A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- * B ANGLE VARIES WITH SKEW OF INTERSECTION.
- * CONSULT GEOMETRICS ENGINEER

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

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PLOT DATE = 1/12/2021	CHECKED - 04/14 JLA
	DATE - 3/2019 SWN
	REVISED - 11/06
	REVISED - 9/2009 KJT
	REVISED - 04/14 JLA
	REVISED - 3/2019 SWN

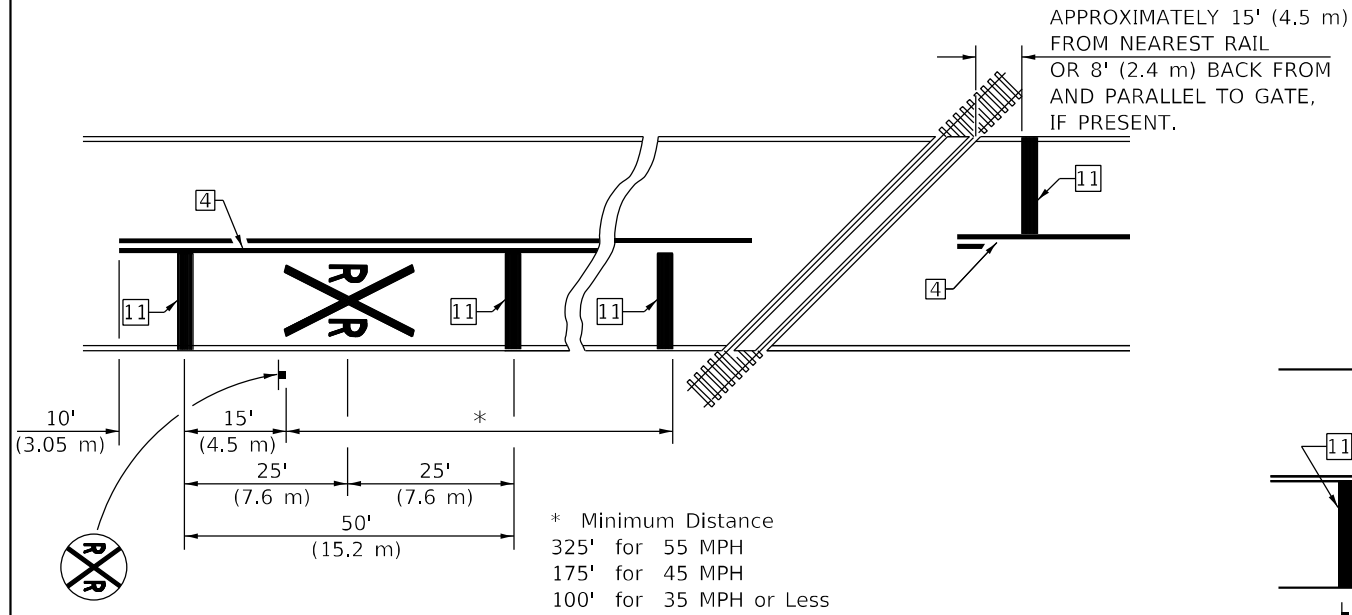
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

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

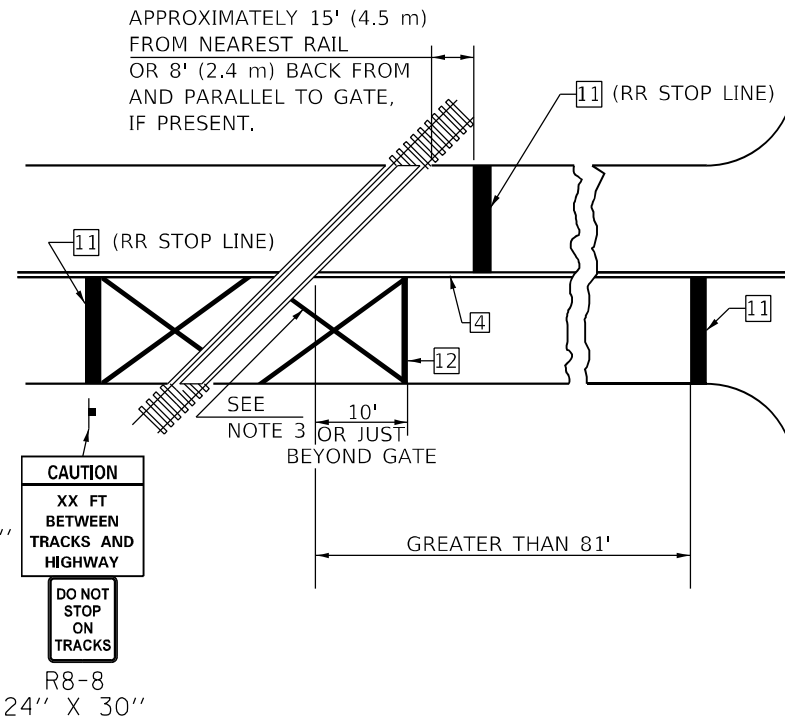
DISTRICT 5 DETAIL NO. 7800AAA				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	27
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				

DESIGNER NOTE: SEE TABLE 2C-4 OF THE MUTCD FOR ADDITIONAL INFORMATION

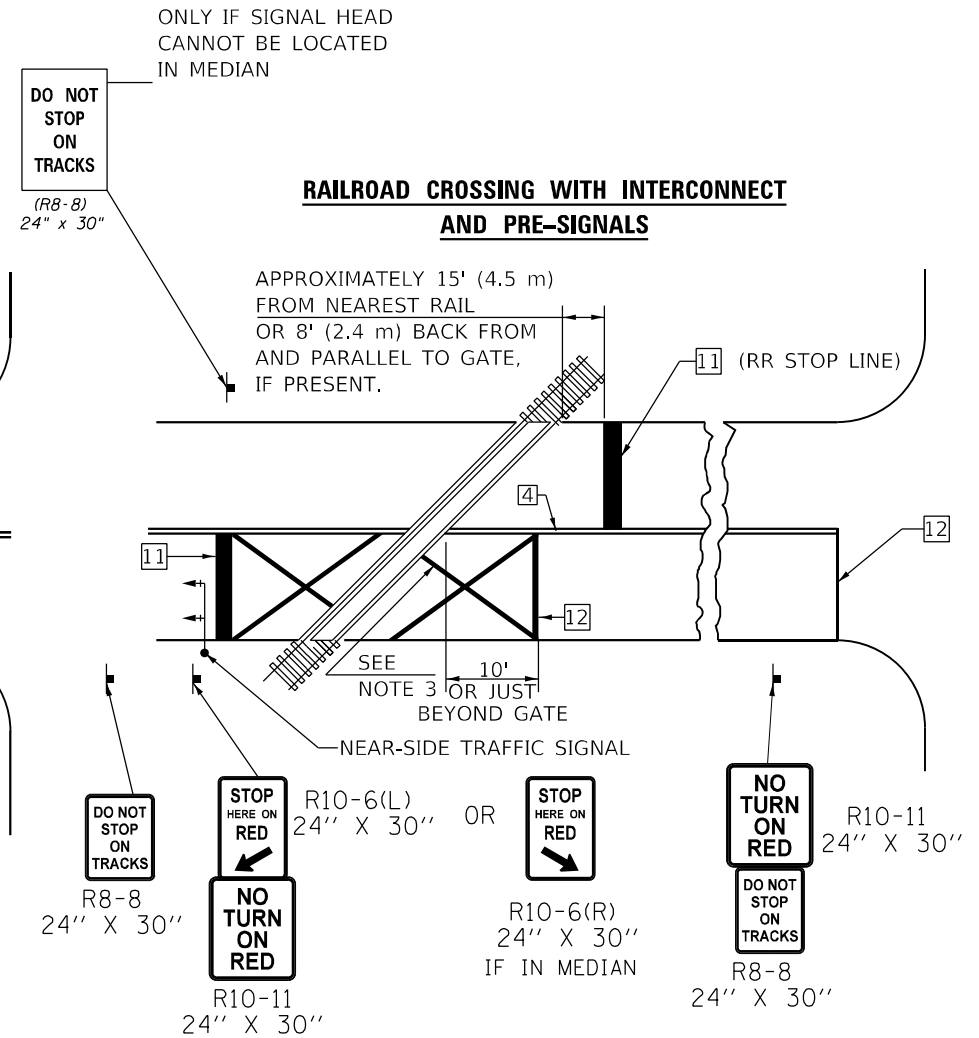


PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

RAILROAD CROSSING WITH INTERCONNECT ONLY

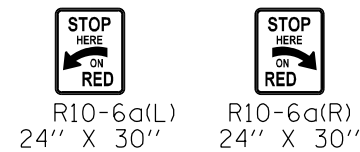


RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

ALTERNATE SIGNS

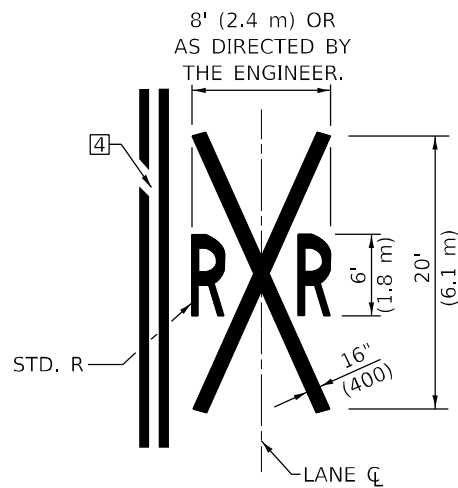


NOTES

- 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 RXR 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.

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 NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
- XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

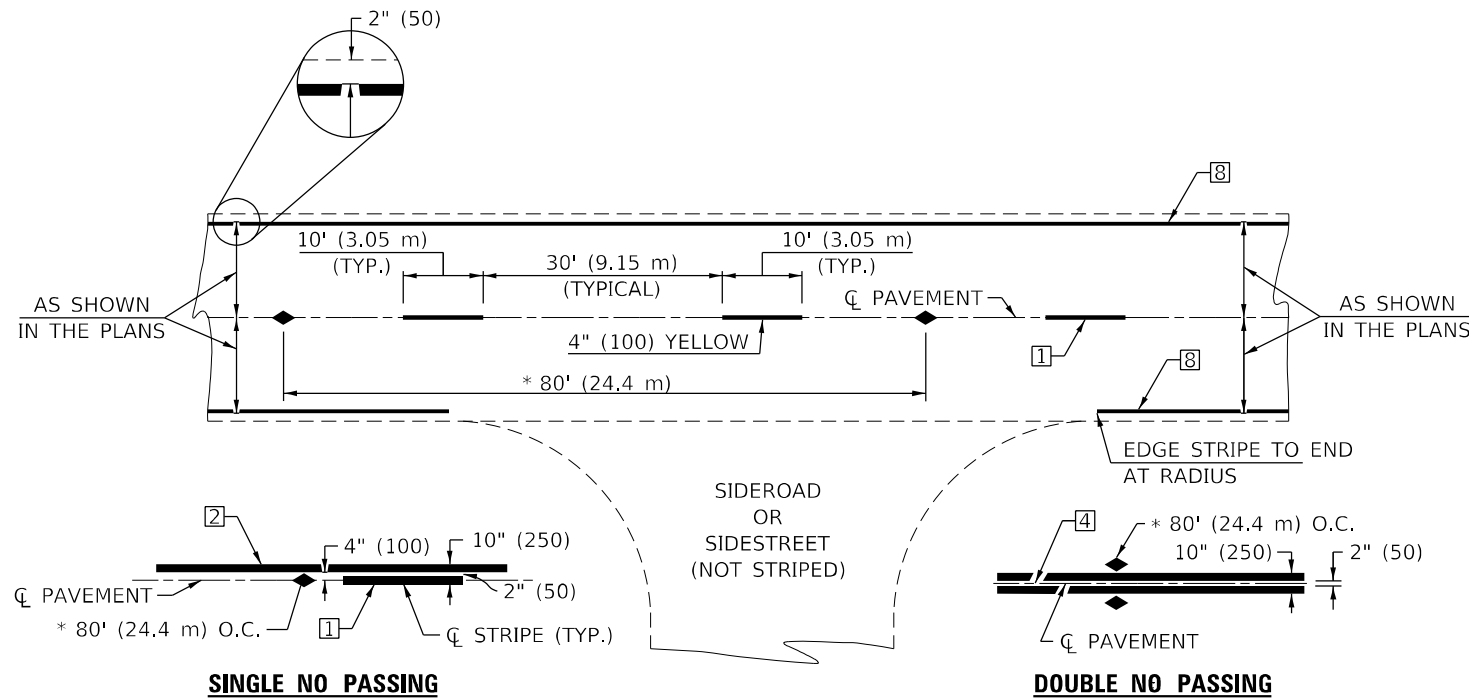


Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

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PLOT DATE = 1/12/2021	REVISED - 3/2019 SWN

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	28
CONTRACT NO. 70947				
ILLINOIS FED. AID PROJECT				



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

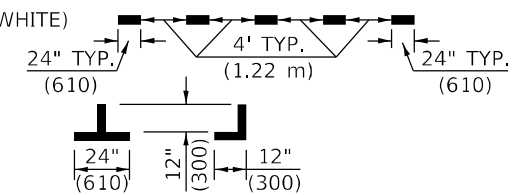
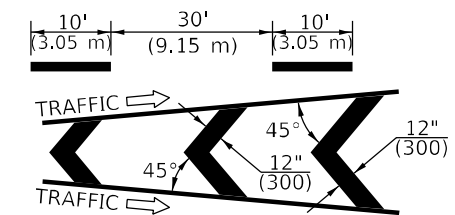
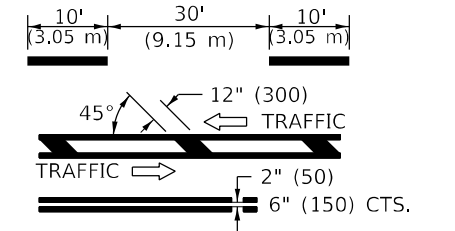
TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

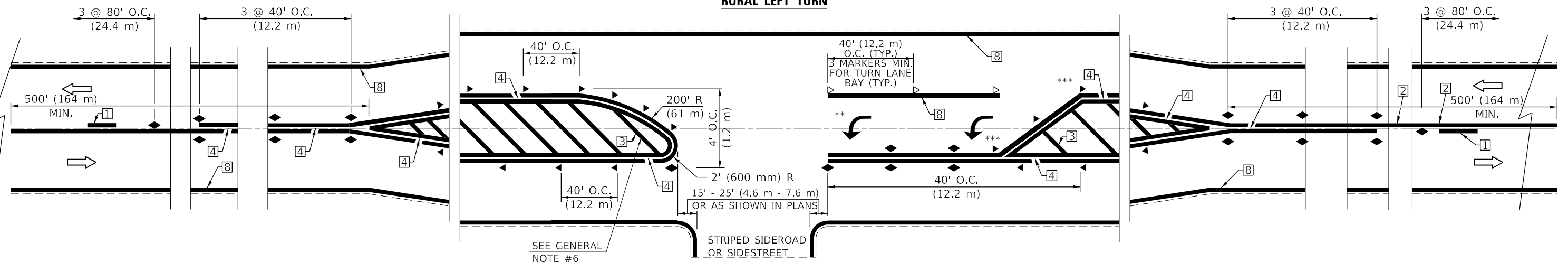
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

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



RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
 ** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

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

DISTRICT 5 DETAIL NO. 7800AAAA

MODEL: P:\p\h\p\... FILE NAME: I:\BAC\3016\101_16060_05_IDOT_DS_WOS_180418D-2w\mp\CAD_Sheets\DS7800RS-1-CH-DIST-DETAILS_7800AAAA.dgn

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USER NAME = rheinke	DESIGNED -	REVISED - 11/06
PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISED - 9/2009 KJT
PLOT DATE = 1/12/2021	CHECKED -	REVISED - 04/14 JLA
	DATE -	REVISED - 3/2019 SWN

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

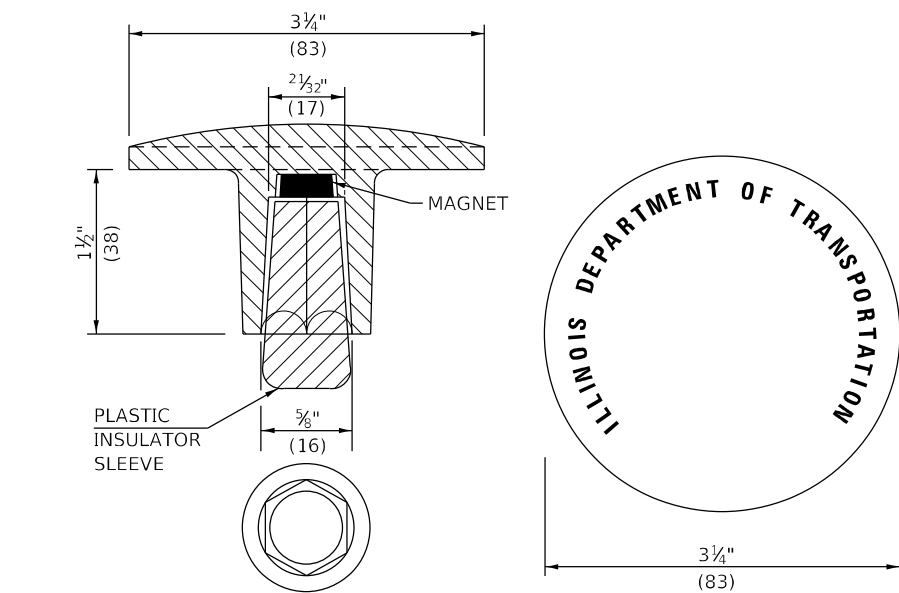
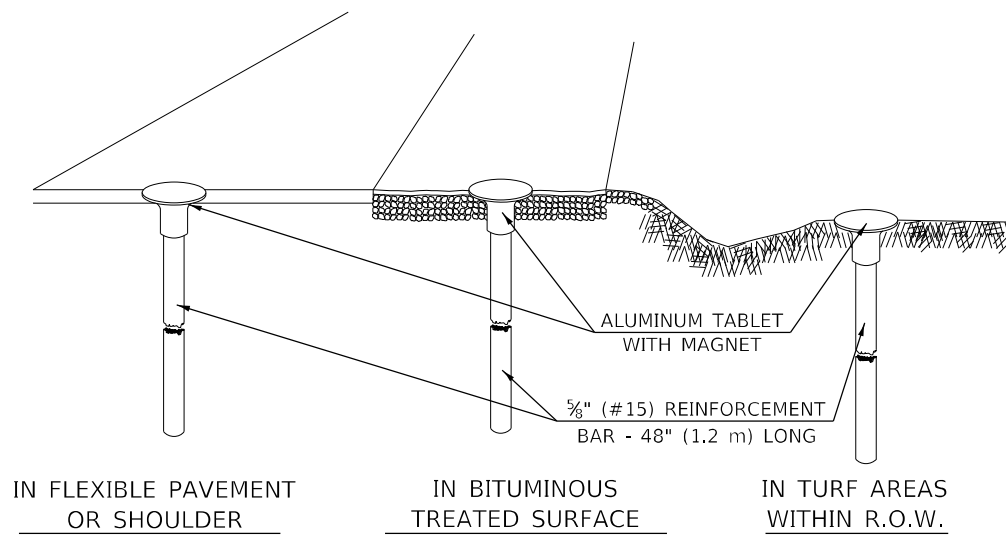
**PAVEMENT MARKING AND MARKERS
 (RURAL & URBAN APPLICATIONS)**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7009	(5,79,72)RS-1	VERMILION	29	25
				CONTRACT NO. 70947
				ILLINOIS FED. AID PROJECT

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE REINFORCEMENT BAR AND ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE.
2. ALL SURVEY MARKERS, TYPE 1 (SPECIAL) SHALL BE PLACED ±1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1 (SPECIAL).

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3 1/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

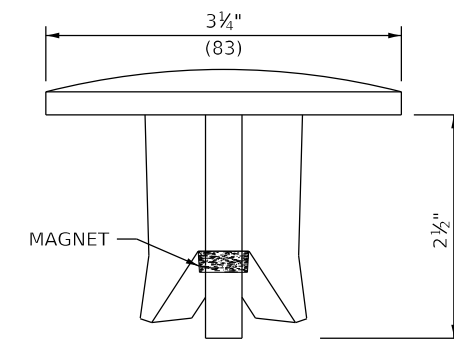
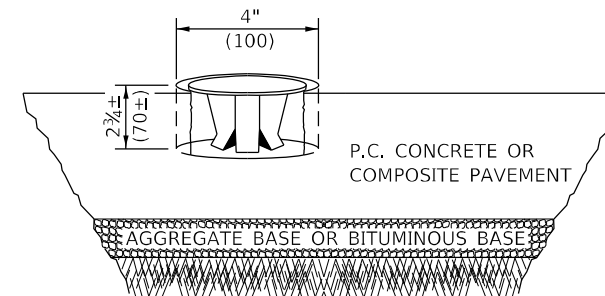
SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

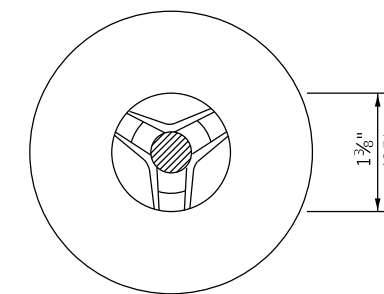
INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



SIDE VIEW



BOTTOM VIEW

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND FOR ALL LABOR AND MATERIAL REQUIRED TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

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

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Prairie Engineers, P.C. 404 N. Main Street Columbia, IL 62236 (217) 605-0403 www.prairieengineers.com professional design firm no. 194405965 © Copy Right Public Engineers of Ill. Inc. P.C. 2016		USER NAME = rheinke DESIGNED - DRAWN - PLOT SCALE = 40,0000 * / in. PLOT DATE = 1/12/2021	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - 11/06 REVISED - 11/10 REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SURVEY MARKERS TYPE 1 & 2 (SPECIAL)	SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.	F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 7009 (5,79,72)RS-1 VERMILION 29 29 CONTRACT NO. 70947 ILLINOIS FED. AID PROJECT
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DISTRICT 5 DETAIL NO. XZ193AAA