

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	1
		ILLINOIS	CONTRACT NO. 68F43	

INDEX OF SHEETS

- 1. COVER SHEET
- 2-3. GENERAL NOTES
- 4-8. SUMMARY OF QUANTITIES
- 9. LINE DIAGRAM
- 10-12. TYPICAL SECTIONS
- 13-20. SCHEDULES
- 21-33. PLAN SHEETS
- 34-39. PAVEMENT MARKING DETAILS
- 40-43. PAVING SEQUENCE
- 44-49. DETAILS
- 50-57. DISTRICT STANDARDS

HIGHWAY STANDARDS

000001-08 606301-04 642006-01 701306-04 720001-01
 280001-07 606306-04 701001-02 701311-03 720006-04
 406201-01 630001-13 701006-05 701326-04 720011-01
 442201-03 630301-09 701201-05 701336-07 780001-05
 482011-03 642001-03 701301-04 701901-10 782001-01

D4 CADD STANDARDS

406101-D4 630101-D4
 406201-D4 780001-D4

DESIGN DESIGNATION:

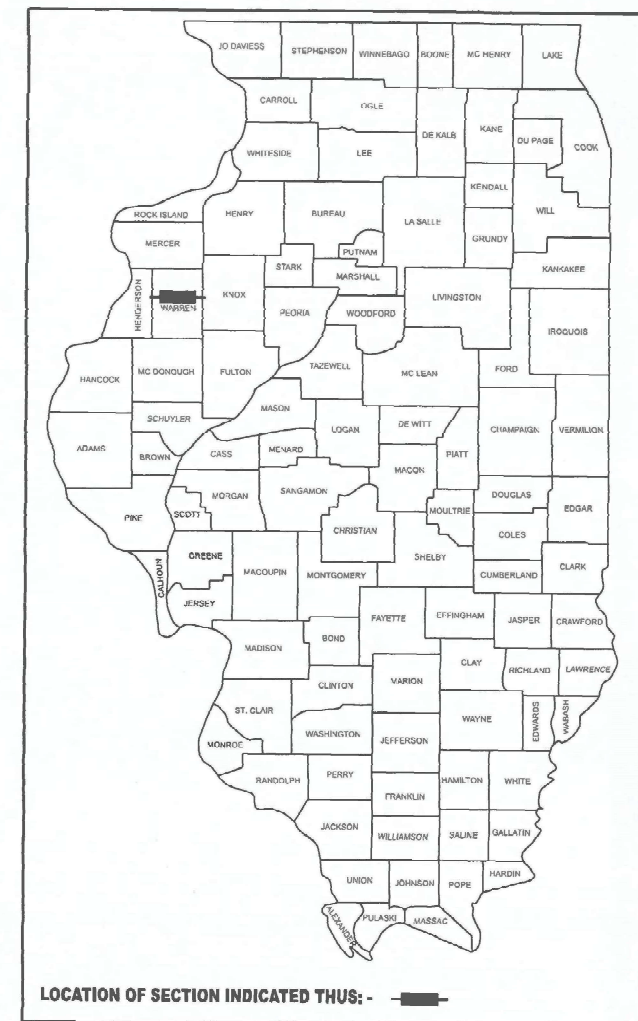
OTHER PRINCIPAL ARTERIAL
 ADT (2023): 4450
 MU (2023): 15.36%
 SU (2023): 10.71%

PROPOSED
HIGHWAY PLANS

FAP ROUTE 313 (US 34)
SECTION 4RS-5
PROJECT NHPP-STP-T92H(473)
3P RESURFACING
WARREN COUNTY

C-94-053-20

D-94-033-20

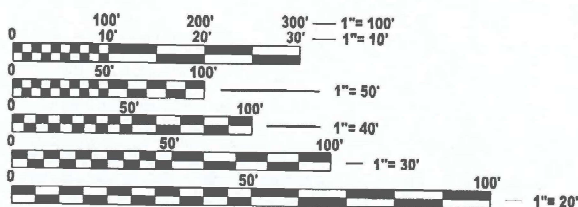
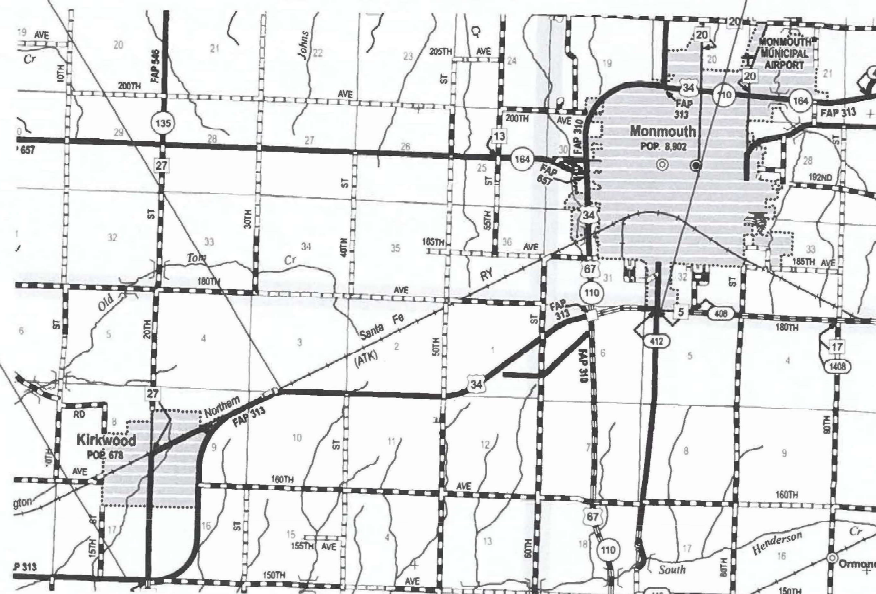


DESCRIPTION: IMPROVEMENTS INCLUDE CLASS D PATCHING, RESURFACING, PAVEMENT MARKINGS, GUARDRAIL, AND OTHER RELATED COLLATERAL WORK ON US 34 FROM 20TH ST TO S MAIN ST/ 70 ST AND 180TH AVE INTERSECTION.

STA. EQUATION
 STA. 168+86.8 (BK) = STA. 168+85.5 (AH)

PROJECT ENDS
 180TH AVE STA 386+21.0

PROJECT BEGINS
 US 34 STA. 11+90



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

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

PROJECT ENGINEER: REBECCA MARRUFFO 309-671-3394
 PROJECT MANAGER: KYLE HARRISON 309-671-3462
 CATALOG NO. 036026-00D
 CONTRACT NO. 68F43

GROSS LENGTH = 37,431 FT. = 7.09 MILES
 NET LENGTH = 37,209 FT. = 7.05 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 17 20 24
Kensal A. Harrett RSO
 REGIONAL ENGINEER

December 5, 2024
Scott A. Elk
 ENGINEER OF DESIGN AND ENVIRONMENT

December 6, 2024
James J. Jan
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

CONSECUTIVE SIDE STREET (ROAD) CLOSURE - PROHIBITED

1. No two consecutive side streets (roads) may be closed at the same time during construction. The Contractor must alternate streets (roads).
2. Adjacent sideroads will not be closed simultaneously. BLR Standard 21 shall be used for all local road closures without any entrances within the closed area. BLR Standard 22 can be used where it is necessary to allow local traffic access.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Borrow Site Review)
- * BDE Form 2290 (Waste/Use Area Review)
- * A location map showing the size limits and location of the use area
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form - D4 PI0101

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required waste site environmental clearances and six weeks for the required borrow site environmental clearances.

AGGREGATE (DESCRIPTION), TYPE B

Aggregate (Description), Type B shall be required for all granular construction of side roads, entrances, and mailbox turnouts, whether or not portions of the surfaces thus constructed are to be covered with a bituminous surface, except where noted differently on the plans.

BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the HMA surface course.

PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

CROSSING EXISTING STRUCTURES WITH EQUIPMENT

The following structures, SN 094-0041 may be crossed with the empty MTD. Any structures not listed above shall be verified by the resident prior to beginning work.

MEDIAN AND ISLAND NOSES

When constructing median and island noses the following criteria should be followed:

- * Barrier curb shall be used to construct noses when the median or island surrounds a mast arm or other non-breakaway foundation.
- * Ramped noses shall be used on medians or islands with breakaway posts.

SIGN POST HOLES

Vertical holes shall be constructed in the island pavement and/or concrete median of the type specified or concrete median surface 4 inches (100 mm). The holes shall be 24 inches (600 mm) in diameter or 24 inches (600 mm) square and they shall be free of any obstruction, except earth, for a depth of 5 feet (1.5 m) at the locations shown on the plans or as directed by the Engineer. Any holes not used for the placement of signs shall be filled and compacted flush with the top of the island pavement, concrete median of the types specified, or concrete median surface 4 inches (100 mm). The top 3 inches (75 mm) of said compacted fill shall consist of a hot-mix asphalt mixture. All holes in which the sign posts are installed at the time of this contract shall be similarly filled.

This work, including any required pavement removal necessary to construct the sign post holes, will not be paid for separately but shall be included in the contract unit price per square foot (square meter) for ISLAND PAVEMENT and/or CONCRETE MEDIAN of the type specified, or CONCRETE MEDIAN SURFACE, 4 inches (100 mm).

NO PASSING ZONE VERIFICATION

The resident shall contact Operations to verify the location of no passing zones prior to placement of centerline striping.

DROP-OFF BETWEEN TRAVELED LANE DURING MILLING OPERATIONS

At locations where 2 1/2" OR 3 3/4" milling is proposed DUE TO SAFETY; The contractor shall have one of the following three options:

- * Mill both Eastbound and Westbound lanes the same day prior to opening both lanes to traffic.
- * Mill the exposed edge of the center line at a 1:3 slope
- * Place a temporary wedge at the exposed edge at a minimum slope of 1:3.

MODEL: General Notes (Sheet)
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	DRAWN -	REVISED -					313	4RS-5	WARREN	57	2
	CHECKED -	REVISED -		CONTRACT NO. 68F43							
PLOT DATE = 10/18/2024	DATE -	REVISED -		SCALE: N/A	SHEET 1	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MIX REQUIREMENTS

The following mixture requirements are applicable for this project:							
Location(s):	Mainline	Mainline	Shoulders	Shoulders	Shoulders	Mainline	Shoulders
Mixture Use(s):	Polymer Surface 1.75"	Polymer Binder 2.0"	Polymer Surface 1.75"	Polymer Binder 2.0"	HMA Shoulder (Top Lift 1.75", Lower Lift 2")	Incidental Surface / Partial Depth Patching	Binder Build Up (Lower Lift 4.25")
AC/PG:	SBS or SBR 70-28	SBS or SBR 70-28	SBS or SBR 70-28	SBS or SBR 70-28	PG 58-28	PG 58-28	PG 58-28
Design Air Voids:	4.0% @ N=70	4.0% @ N=70	4.0% @ N=70	4.0% @ N=70	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Mixture Gradation)	IL 9.5	IL 9.5	IL 9.5	IL 9.5	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate:	Mix D	N.A.	Mix C	N.A.	Mix C	Mix C	N.A.
Quality Management Program:	PPF	PPF	QCQA	QCQA	QCQA	QCQA	QCQA
MTD:	Yes	Yes	Yes	Yes	NO	NO	NO

Note: 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size, unless otherwise approved by the Engineer.
 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y./in., unless otherwise noted.
 3) Sublot sizes for PPF and QCP mixes will be 1000 tons, unless otherwise agreed to by the Engineer and the paving contractor.

STATUS OF UTILITIES

68F43 STATUS OF UTILITIES						
ROUTE	LOCATION	MIN. DEPTH	COMPANY	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
US 34	MULTIPLE AERIAL CROSSING EAST OF 20TH ST	POLES/AERIAL	MCDONOUGH POWER COOPERATIVE	ELETRIC	EQUIPMENT	CAUTION
US 34	AERIAL CROSSING WEST OF 60TH AVE	POLES/AERIAL	AMEREN	ELETRIC	EQUIPMENT	CAUTION
US 34	CROSSING AT ~STA 320+00	36"	AMEREN	GAS	EXVACATING AND GRADING SHOULDERS	CAUTION
US 34	ALONG ROADWAY ~352+64 TO STA 380+89	18"	CMS	FIBEROPTIC	EXVACATING AND GRADING SHOULDERS	CAUTION
US 34	AERIAL CROSSING EAST OF 70TH ST	POLES/AERIAL	MCDONOUGH TELEPHONE	TELEPHONE	EQUIPMENT	CAUTION
US 34	AERIAL CROSSING WEST OF 70TH ST	POLES/AERIAL	AMEREN	ELETRIC	EQUIPMENT	CAUTION

MODEL: Gen notes pg. 2 - Gen Notes pg. 2 (Sheet)
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USER NAME = kyle.harrison	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MIX DESIGN AND STATUS OF UTILITY			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -					313	4RS-5	WARREN	57	3
	CHECKED -	REVISED -		SCALE: N/A SHEET 2 OF 2 SHEETS STA. TO STA.			CONTRACT NO. 68F43				
PLOT DATE = 10/16/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
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				ROADWAY	ROADWAY	ROADWAY
				0005	0005	0005
				NHPP-RURAL	NHPP-URBAN	STBG-URBAN
20200100	EARTH EXCAVATION	CU YD	10	10		
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	25		8	17
25000750	MOWING**	ACRE	25	25		
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	61	44		17
40600295	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)	POUND	215360	161383	29581	24396
40600405	MATERIAL TRANSFER DEVICE	TON	27661	23104	2568	1989
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	4751	2163	659	1929
40600990	TEMPORARY RAMP	SQ YD	1603	898	385	320
40603208	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	14652	12233	1364	1055
40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	13009	10871	1204	934
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	783	412	78	293
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	111075	108993	2082	
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	30521		16819	13702
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	2054		1027	1027

**PAID AS 100% STATE

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PLOT DATE = 10/17/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	4
			CONTRACT NO. 68F43	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
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				ROADWAY	ROADWAY	ROADWAY
				0005	0005	0005
				NHPP-RURAL	NHPP-URBAN	STBG-URBAN
44004250	PAVED SHOULDER REMOVAL	SQ YD	181		181	
44201329	CLASS C PATCHES, TYPE II, 8 INCH	SQ YD	1196	1196		
44201333	CLASS C PATCHES, TYPE III, 8 INCH	SQ YD	15	15		
44201335	CLASS C PATCHES, TYPE IV, 8 INCH	SQ YD	299	299		
44213204	TIE BARS 3/4"	EACH	440	440		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2800	2324	255	221
48203014	HOT-MIX ASPHALT SHOULDERS, 4 1/4"	SQ YD	2159		722	1437
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	44	44		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	2979		1659	1320
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1662.5	1662.5		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	12	12		
63200310	GUARDRAIL REMOVAL	FOOT	2170	2170		
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	59906	59348	238	320
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	11517		6196	5321

*= SPECIALTY ITEM

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	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	5
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
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				ROADWAY	ROADWAY	ROADWAY
				0005	0005	0005
NHPP-RURAL	NHPP-URBAN	STBG-URBAN				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	4.9	0.6	0.5
67100100	MOBILIZATION	L SUM	1	0.8	0.1	0.1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.8	0.1	0.1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.8	0.1	0.1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	0.8	0.1	0.1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.8	0.1	0.1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	12	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	10116	9180	756	180
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1124	1020	84	20
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	281	78	141	62
70300221	TEMPORARY PAVEMENT MARKING - LINE 4"- PAINT	FOOT	16386	9519	4098	2769
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	74200	61222	6936	6042
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	1342	460	642	240
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	105	105		

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PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	6
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
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				ROADWAY	ROADWAY	ROADWAY
				0005	0005	0005
NHPP-RURAL	NHPP-URBAN	STBG-URBAN				
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	88	28		60
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	12	12		
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	520	520		
73400100	CONCRETE FOUNDATIONS	CU YD	1.4	1.4		
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	312	78	172	62
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	16494	9519	4206	2769
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	76153	61223	8888	6042
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	2210	459	1511	240
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	417	105	312	
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	160	28	72	60
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	394	109	197	88
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	16387	9519	4099	2769
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	74200	61222	6936	6042
* 78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1342	460	642	240

*= SPECIALTY ITEM

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PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	7
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
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				FED/STATE	FED/STATE	FED/STATE
				ROADWAY	ROADWAY	ROADWAY
				0005	0005	0005
				NHPP-RURAL	NHPP-URBAN	STBG-URBAN
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	105	105		
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	88	28		60
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	604	396	121	87
* 78200020	CURB REFLECTORS	EACH	10	10		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	467	396	40	31
X0320089	TRAFFIC COUNTER- TIRTL SYSTEM	EACH	1	1		
X4080052	INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL)	TON	22	22		
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)	SQ YD	2561	1701	459	401
X4401196	HOT-MIX ASPHALT SURFACE REMOVAL- LONGITUDINAL JOINT	SQ YD	1303		745	558
X4421000	PARTIAL DEPTH PATCHING	TON	443	304	79.5	59.5
X4421002	PARTIAL DEPTH PATCHING (SPECIAL)	SQ YD	3953	2714	709	530
X6060714	CONCRETE MEDIAN (SPECIAL)	SQ FT	272	272		
X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	32	32		
XZ013798	CONSTRUCTION STATION LAYOUT	L SUM	1	0.8	0.1	0.1
Ø Z0076600	TRAINEES	HOUR	1,000	1,000		
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	519	519		
Ø Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1,000	1,000		
Z0033650	LONGITUDINAL JOINT REPAIR	TON	146		83.5	62.5

Ø 0042 *= SPECIALTY ITEM

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USER NAME = kyle.harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/18/2024	DATE -	REVISED -

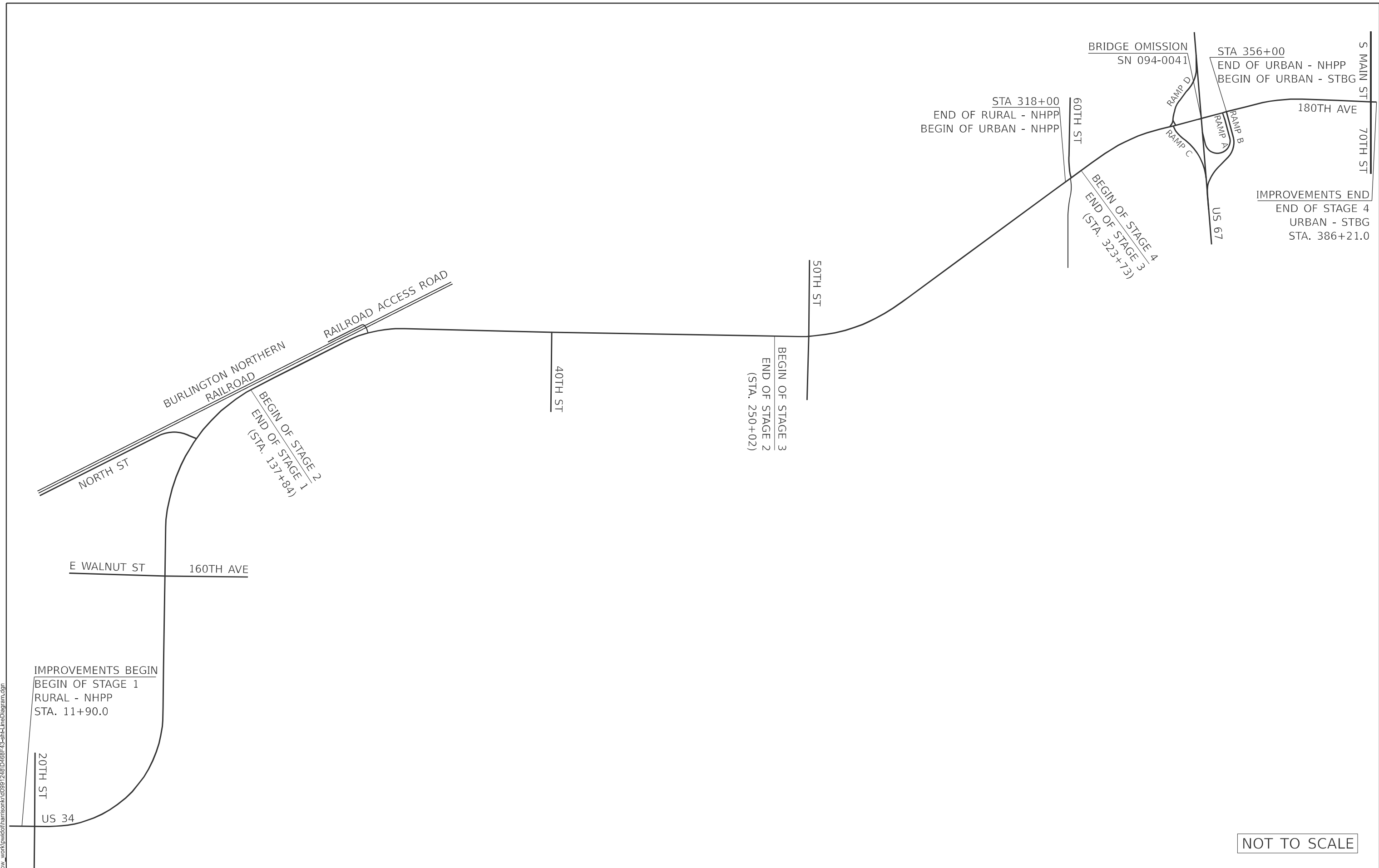
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 5 OF 5 SHEETS STA. TO STA.

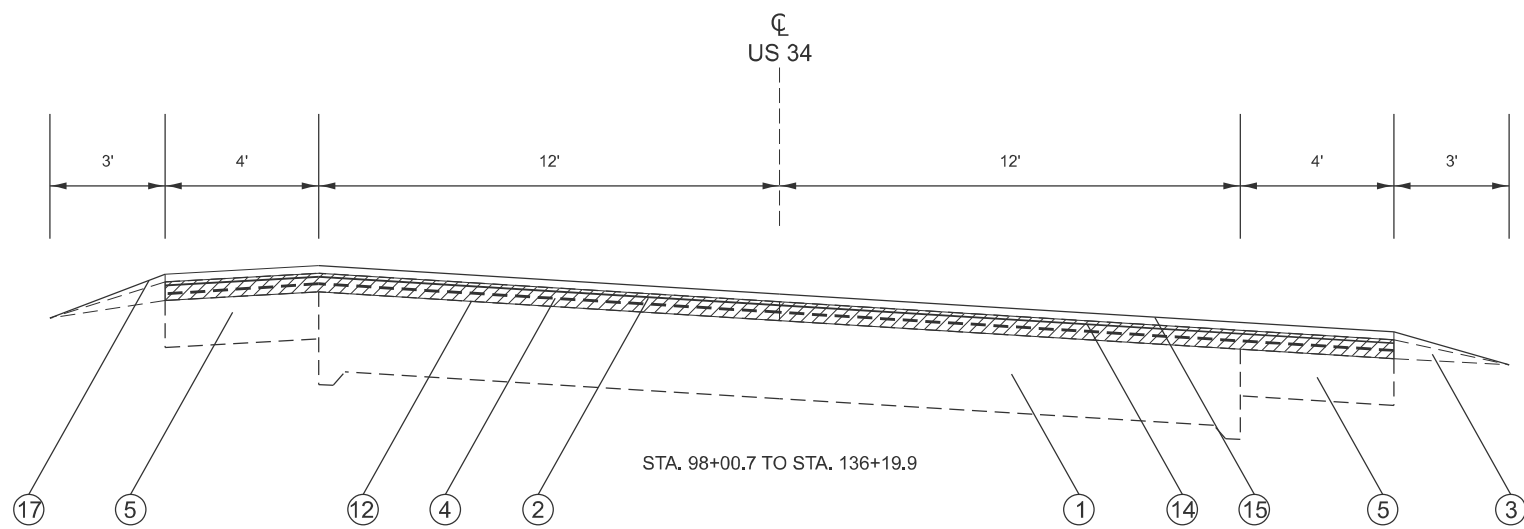
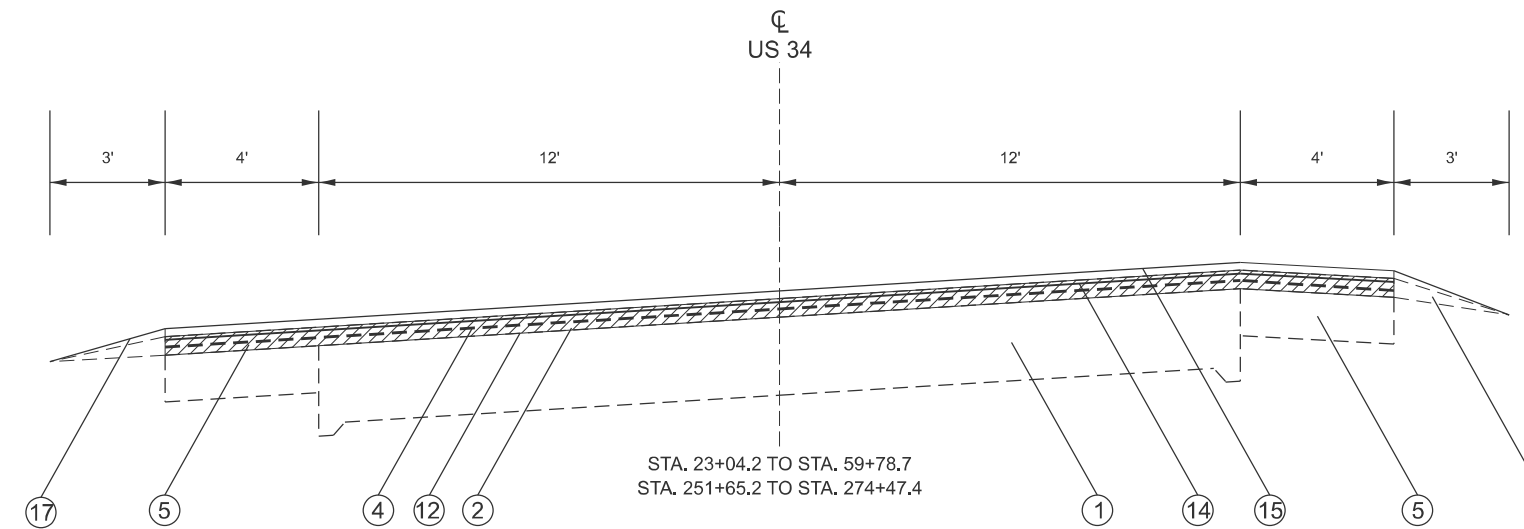
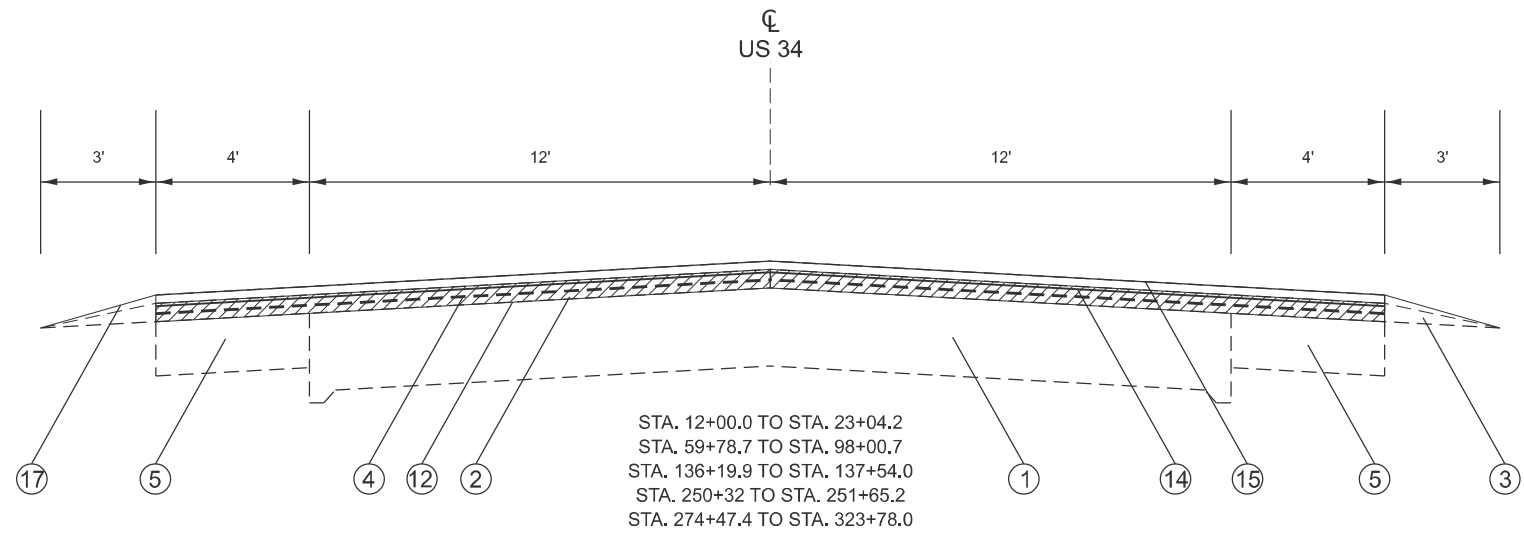
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	8
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

MODEL: Line Diagram
 FILE NAME: c:\p\work\p\w\harris\harris\091248\0468F43\eh-LineDiagram.dgn



NOT TO SCALE

USER NAME = nataliegh.richardson DESIGNED - DRAWN - CHECKED - PLOT DATE = 10/10/2024		REVISED - REVISED - REVISED - REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		LINE DIAGRAM				F.A.P. RTE. 313		SECTION 4RS-5		COUNTY WARREN		TOTAL SHEETS 57		SHEET NO. 9	
						SCALE: N/A		SHEET 1 OF 1 SHEETS		STA. TO STA.		CONTRACT NO. 68F43							
										ILLINOIS FED. AID PROJECT									



EXISTING ITEMS		PROPOSED ITEMS	
①	8" PCC PAVEMENT	⑫	HMA SURFACE REMOVAL, 2 1/2"
②	BITUMINOUS PAVEMENT	⑬	HMA SURFACE REMOVAL, 3 3/4"
③	AGG WEDGE SHOULDER, TYPE B	⑭	POLY. HMA BINDER COURSE, 2"
④	AREA REFLECTIVE CRACK CONTROL SYSTEM A	⑮	POLY. HMA SURFACE COURSE, 1 3/4"
⑤	BITUMINOUS SHOULDER 8"	⑯	HMA SHOULDER, 3 3/4"
⑥	STABILIZED SHOULDER 8"	⑰	AGG WEDGE SHOULDER, TYPE B
⑦	CORRUGATED MEDIAN (STD.2122)	⑱	MEDIAN REMOVAL PARTIAL DEPTH
⑧	CONCRETE MEDIAN SURFACE 4"		
⑨	COMBINATED PCC CURB AND GUTTER, TYPE M6.06 (STD. 2130)		
⑩	LIME MODIFIED SOIL, 12"		
⑪	PCC HEADWALL FOR PIPE DRAINS (STD. 2362)		

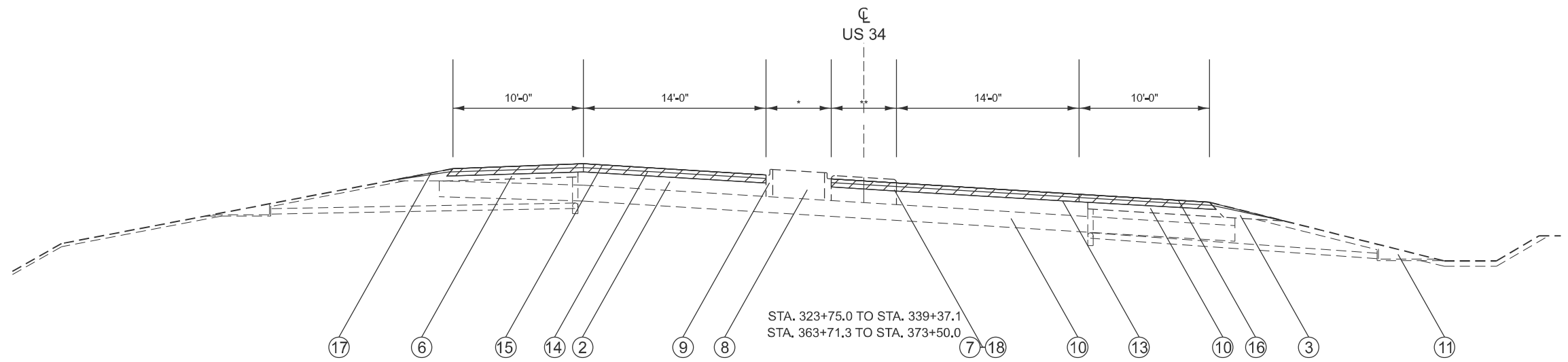
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USER NAME = kyle.harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/16/2024	DATE -	REVISED -

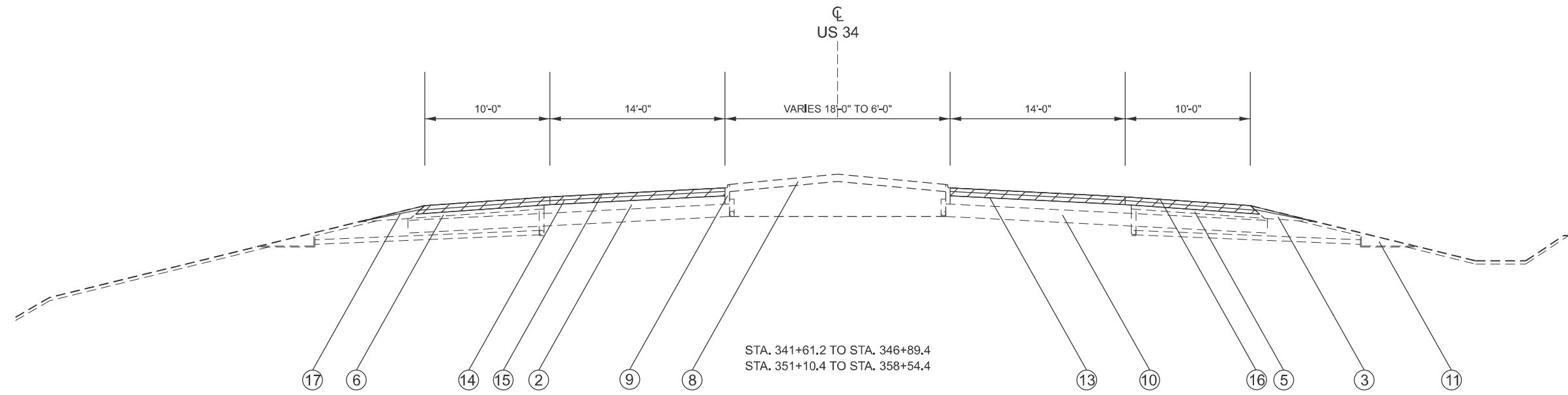
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
 SCALE: N/A SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	10
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



NOTES:
 * - VARIABLE WIDTH
 STA. 338+50.22 TO 339+50.22
 STA. 364+26.14 TO 365+26.14
 ** - VARIABLE WIDTH
 STA. 337+02.22 TO 339+37.08
 STA. 366+06.14 TO 363+71.28



EXISTING ITEMS		LEGEND		PROPOSED ITEMS	
①	8" PCC PAVEMENT	⑫	HMA SURFACE REMOVAL, 2 1/2"	⑬	HMA SURFACE REMOVAL, 3 3/4"
②	BITUMINOUS PAVEMENT	⑭	POLY. HMA BINDER COURSE, 2"	⑮	POLY. HMA SURFACE COURSE, 1 3/4"
③	AGG WEDGE SHOULDER, TYPE B	⑯	HMA SHOULDER, 3 3/4"	⑰	AGG WEDGE SHOULDER, TYPE B
④	AREA REFLECTIVE CRACK CONTROL SYSTEM A	⑱	MEDIAN REMOVAL PARTIAL DEPTH		
⑤	BITUMINOUS SHOULDER 8"				
⑥	STABILIZED SHOULDER 8"				
⑦	CORRUGATED MEDIAN (STD.2122)				
⑧	CONCRETE MEDIAN SURFACE 4"				
⑨	COMBINATED PCC CURB AND GUTTER, TYPE M6.06 (STD. 2130)				
⑩	LIME MODIFIED SOIL, 12"				
⑪	PCC HEADWALL FOR PIPE DRAINS (STD. 2362)				

MODEL: Typical Sections (Sheet) - 2
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USER NAME = kyle.harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

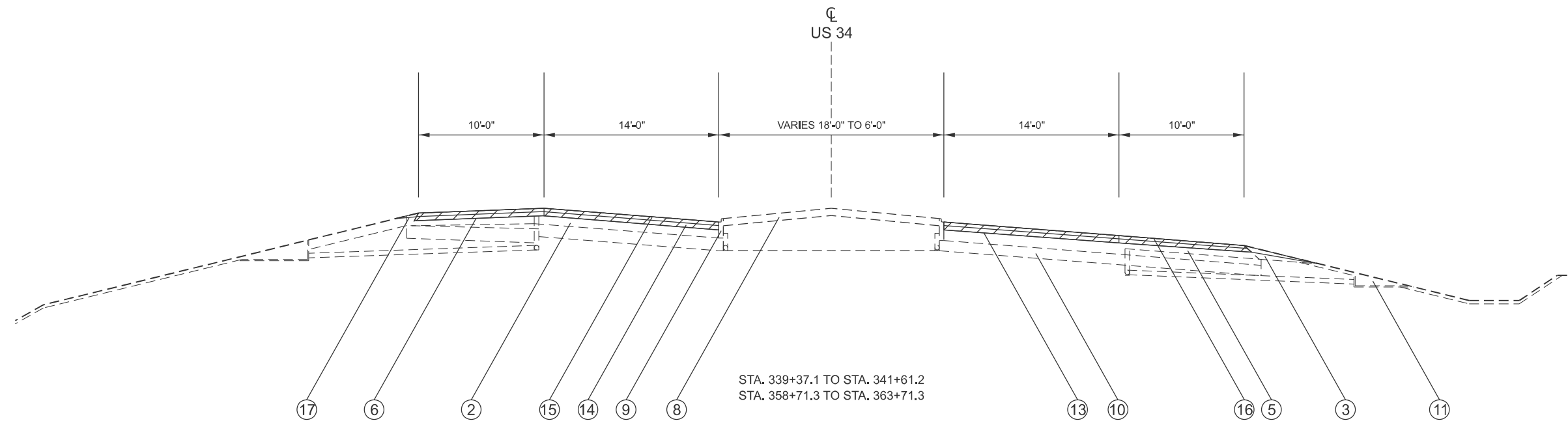
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: N/A SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	11
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

MODEL: Typical Sections (Sheet) - 3
 FILE NAME: c:\p\work\pav\harrison\k0991248\0468F43-eh-typical-5.dgn



EXISTING ITEMS		PROPOSED ITEMS	
①	8" PCC PAVEMENT	⑫	HMA SURFACE REMOVAL, 2 1/2"
②	BITUMINOUS PAVEMENT	⑬	HMA SURFACE REMOVAL, 3 3/4"
③	AGG WEDGE SHOULDER, TYPE B	⑭	POLY. HMA BINDER COURSE, 2"
④	AREA REFLECTIVE CRACK CONTROL SYSTEM A	⑮	POLY. HMA SURFACE COURSE, 1 3/4"
⑤	BITUMINOUS SHOULDER 8"	⑯	HMA SHOULDER, 3 3/4"
⑥	STABILIZED SHOULDER 8"	⑰	AGG WEDGE SHOULDER, TYPE B
⑦	CORRUGATED MEDIAN (STD. 2122)	⑱	MEDIAN REMOVAL PARTIAL DEPTH
⑧	CONCRETE MEDIAN SURFACE 4"		
⑨	COMBINATED PCC CURB AND GUTTER, TYPE M6.06 (STD. 2130)		
⑩	LIME MODIFIED SOIL, 12"		
⑪	PCC HEADWALL FOR PIPE DRAINS (STD. 2362)		

USER NAME = kyle.harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: N/A SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	12
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

RESURFACING TOTAL SCHEDULE											
LOCATION	HMA SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	HMA SURFACE REMOVAL, 2-1/2"	HMA SURFACE REMOVAL, 3-3/4"	HMA SURFACE REMOVAL (SPECIAL)	POLY. BIT. MATERIALS (TACK COAT)		POLY. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70		POLY, HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	MATERIAL TRANSFER DEVICE
		1:40			JOINT TRIMMING	0.08 LB/SQ FT 2 APPLICATIONS	QTY FOR JOINT TRIMMING	1-3/4"	JOINT TRIMMING	2.0"	
	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	POUND	POUND	TON	TON	TON	
RURAL - NHPP											
MAINLINE	173.3	111.1	81841.1	0.0	1700.6	118100.7	1224.5	8037.4	166.7	9185.6	17389.7
SHOULDER	57.8	-	27152.2	0.0	0.0	39182.4	0.0	2666.6	-	3047.5	5714.1
SIDEROAD, MAILBOX, AND ENTRANCE	1931.8	787.1	-	-	-	2875.7	-	-	-	-	-
URBAN - NHPP											
MAINLINE	189.4	175.6	1501.3	10382.0	105.6	17384.9	76.0	1183.1	10.3	1352.2	2545.6
SHOULDER	98.9	-	580.3	6436.5	353.6	11287.0	299.6	10.3	-	11.8	22.1
SIDEROAD, MAILBOX, AND ENTRANCE	370.5	209.6	-	-	-	533.6	-	-	-	-	-
URBAN - STBG											
MAINLINE	519.5	208.3	0.0	8680.1	105.3	13247.5	75.9	901.6	10.3	1030.4	1942.3
SHOULDER	15.6	-	0.0	5022.2	295.6	8833.0	232.8	21.8	-	24.9	46.7
SIDEROAD, MAILBOX, AND ENTRANCE	1393.5	112.0	-	-	-	2006.7	-	-	-	-	-
RURAL NHPP SUB-TOTAL	2162.9	898.2	108993.3	0.0	1700.6	160158.9	1224.5	10704.0	166.7	12233.1	23103.8
URBAN NHPP SUB-TOTAL	658.9	385.2	2081.6	16818.6	459.1	29205.4	375.6	1193.5	10.3	1364.0	2567.8
URBAN STBG SUB-TOTAL	1928.6	320.4	0.0	13702.3	400.9	24087.2	308.7	923.4	10.3	1055.3	1989.0
TOTAL	4750	1604	111075	30521	2561	215360		13008		14652	27661

SHOULDER TOTAL TABLE														
LOCATION	HMA SURFACE REMOVAL -BUTT JOINT	HMA SURFACE REMOVAL	HMA SURFACE REMOVAL	HMA SURFACE REMOVAL (SPECIAL)	POLY. HMA BINDER COURSE, IL-9.5, N70	POLY HMA SUR CSE. IL 9.5, MIX "D", N70	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)		EXCAVATING AND GRADING EXISTING SHOULDERS	PAVED SHOULDER REMOVAL	HMA SHOULDERS		HOT-MIX ASPHALT SHOULDERS, 4 1/4"	MATERIAL TRANSFER DEVICE
		2-1/2"	3-3/4"	JOINT TRIMMING	2.0"	1-3/4"	0.08 LB/SQ FT 2 APPLICATIONS	QTY FOR JOINT TRIMMING			3-3/4"	JOINT TRIMMING		
	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	POUND	POUND	UNIT	SQ YD	TON	TON	SQ YD	TON
RURAL - NHPP														
LEFT SHOULDER	28.9	13576.1	0.0	0.0	1523.8	1333.3	19591.2	0.0	0.0	0.0	0.0	0.0	0.0	2857.1
RIGHT SHOULDER AND RAMP	28.9	13576.1	0.0	0.0	1523.8	1333.3	19591.2	0.0	0.0	0.0	0.0	0.0	0.0	2857.1
URBAN - NHPP														
LEFT SHOULDER	61.1	330.1	3030.0	177.5	7.4	6.5	5368.6	131.8	2.9	111.1	769.0	17.9	307.0	13.9
RIGHT SHOULDER AND RAMP	37.8	250.2	3406.5	176.1	4.4	3.8	5918.5	167.8	5.2	69.4	854.9	17.3	415.5	8.2
URBAN - STBG														
LEFT SHOULDER	4.4	0.0	2583.0	135.1	24.9	21.8	4212.5	117.3	5.1	0.0	614.3	16.0	671.8	46.7
RIGHT SHOULDER AND RAMP	11.1	0.0	2439.2	160.4	0.0	0.0	4620.6	115.5	11.5	0.0	673.8	15.7	765.1	0.0
RURAL - NHPP	57.8	27152.2	0.0	0.0	3047.5	2666.6	39182.4	0.0	0.0	0.0	0.0	0.0	0.0	5714.1
URBAN - NHPP	98.9	580.3	6436.5	353.6	11.8	10.3	11287.0	299.6	8.1	180.5	1623.9	35.2	722.5	22.1
URBAN - STBG	15.6	0.0	5022.2	295.6	24.9	21.8	8833.0	232.8	16.5	0.0	1288.2	31.7	1436.8	46.7
TOTAL	-	-	-	-	-	-	-	-	25	181	2979	2159	-	-

MODEL: Schedule (Sheet) - 1
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MAINLINE RESURFACING SCHEDULE

LOCATION	LENGTH	WIDTH	AREA	HMA SURFACE REMOVAL BUTT JOINT	TEMPORARY RAMP	HMA SURFACE REMOVAL, 2-1/2"	HMA SURFACE REMOVAL, 3-3/4"	HMA SURFACE REMOVAL (SPECIAL)	POLY. BIT. MATERIALS (TACK COAT)		POLY. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70		POLY. HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70		MEDIAN REMOVAL PARTIAL DEPTH	MATERIAL TRANSFER DEVICE
								JOINT TRIMMING	0.08 LB/SQ FT APPLICATIONS	QTY FOR JOINT TRIMMING	1-3/4"	JOINT TRIMMING	2.0"			
MAINLINE US 34	FOOT	FOOT	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	POUND	POUND	TON	TON	TON	SQ. FT.	TON	
RURAL - NHPP																
STAGE 1																
STA 11+90.0 TO STA 12+15.0	25.0	24.0	66.7	66.7	22.2			1.4	96.0	1.0	6.5	0.1	7.5		14.1	
STA 12+15.0 TO STA 120+00.0	10785.0	24.0	28760.0			28760.0		599.2	41414.4	431.4	2818.5	58.7	3221.1		6098.3	
STA 120+00.0 TO STA 124+04.9	404.9	VAR	1464.0			1464.0		22.5	2108.1	16.2	143.5	2.2	164.0		309.6	
STA 124+04.9 TO STA 137+74.0	1369.1	24.0	3650.9			3650.9		76.1	5257.3	54.8	357.8	7.5	408.9		774.1	
STA 137+74.0 TO STA 137+84.0	10.0	24.0	26.7	26.7	22.2			0.6	38.4	0.4	2.6	0.1	3.0		5.7	
STAGE 2																
STA 137+84.0 TO STA 137+94.0	10.0	24.0	26.7	26.7	22.2			0.6	38.4	0.4	2.6	0.1	3.0		5.7	
STA 137+94.0 TO STA 168+86.8	3092.8	24.0	8247.5			8247.5		171.8	11876.4	123.7	808.3	16.8	923.7		1748.8	
STATION EQ: 168+86.8 (BK) = 168+85.53 (AH)																
STA 168+85.5 TO STA 249+92.0	8106.5	24.0	21617.3			21617.3		450.4	31129.0	324.3	2118.5	44.1	2421.1		4583.8	
STA 249+92.0 TO STA 250+02.0	10.0	24.0	26.7	26.7	22.2			0.6	38.4	0.4	2.6	0.1	3.0		5.7	
STAGE 3																
STA 250+02.0 TO STA 250+12.0	10.0	24.0	26.7	26.7	22.2			0.6	38.4	0.4	2.6	0.1	3.0		5.7	
STA 250+12.0 TO STA 318+00.0	6788.0	24.0	18101.3			18101.3		377.1	26065.9	271.5	1773.9	37.0	2027.3		3838.2	
URBAN - NHPP																
STA 318+00.0 TO STA 323+63.0	563.0	24.0	1501.3			1501.3		31.3	2161.9	22.5	147.1	3.1	168.1		318.3	
STA 323+63.0 TO STA 323+73.0	10.0	24.0	26.7	26.7	22.2			0.6	38.4	0.4	2.6	0.1	3.0		5.7	
STAGE 4																
STA 323+73.0 TO STA 323+98.0	25.0	24.0	66.7	66.7	33.3			1.4	96.0	1.0	6.5	0.1	7.5		14.1	
STA 323+98.0 TO STA 332+94.4	896.4	24.0	2390.4			2390.4		49.8	3442.2	35.9	234.3	4.9	267.7		506.9	
STA 332+94.4 TO STA 337+00.0	405.6	24.0	1183.7			1183.7		22.5	1704.6	16.2	116.0	2.2	132.6		250.8	
STA 337+00.0 TO STA 347+78.9	1078.9	VAR	4047.0			4047.0			5827.6		396.6		453.3	1027.1	849.9	
STA 347+78.9 TO STA 347+88.9	10.0	VAR	50.0	50.0	62.5				72.0		4.9		5.6		10.5	
BRIDGE OMISSION: STA 347+88.93 TO 350+10.93																
STA 350+10.9 TO STA 350+20.9	10.0	VAR	46.1	46.1	57.5				66.4		4.5		5.2		9.7	
STA 350+20.9 TO STA 356+00.0	579.1	VAR	2760.9			2760.9			3975.7		270.6		309.2		579.8	
URBAN - STBG																
STA 356+00.0 TO STA 366+25.0	1025.0	VAR	3725.0			3725.0			5363.9		365.0		417.2	1027.1	782.2	
STA 366+25.0 TO STA 370+24.0	399.0	VAR	1161.0			1161.0		22.2	1671.9	16.0	113.8	2.2	130.0		246.0	
STA 370+24.0 TO STA 384+46.8	1422.8	24.0	3794.1			3794.1		79.0	5463.6	56.9	371.8	7.7	424.9		804.5	
STA 384+46.8 TO STA 385+21.3	74.5	VAR	519.5	519.5	208.3			4.1	748.1	3.0	50.9	0.4	58.2		109.5	
RURAL NHPP SUB-TOTAL				173.3	111.1	81841.1		1700.6	118100.7	1224.5	8037.4	166.7	9185.6		17389.7	
URBAN NHPP SUB-TOTAL				189.4	175.6	1501.3	10382.0	105.6	17384.9	76.0	1183.1	10.3	1352.2	1027.1	2545.6	
URBAN STBG SUB-TOTAL				519.5	208.3		8680.1	105.3	13247.5	75.9	901.6	10.3	1030.4	1027.1	1942.3	
TOTAL				-	-	-	-	-	-	-	-	-	-	2054.1	-	

JOBSITE SCHEDULE

LOCATION	MOBILIZATION	ENGINEER'S FIELD OFFICE, TYPE A	CHANGEABLE MESSAGE SIGN	CONSTRUCTION STATION LAYOUT	TRAFFIC CONTROL AND PROTECTION STANDARD 701201	TRAFFIC CONTROL AND PROTECTION STANDARD 701306	TRAFFIC CONTROL AND PROTECTION STANDARD 701326	TRAFFIC CONTROL AND PROTECTION STANDARD 701336
JOBSITE	LSUM	CAL MO	CAL DAY	LSUM	LSUM	LSUM	LSUM	LSUM
RURAL - NHPP	0.8	4.9	12.0	0.8	0.8	0.8	0.8	0.8
URBAN - NHPP	0.1	0.6	1.0	0.1	0.1	0.1	0.1	0.1
URBAN - STBG	0.1	0.5	1.0	0.1	0.1	0.1	0.1	0.1
TOTAL	1	6	14	1	1	1	1	1

MODEL: Schedule (Sheet) - 2
FILE NAME: c:\pwworking\harrison\k\d091248\0468F43-eh-schedule.dgn

LEFT SHOULDER SCHEDULE

LOCATION	LENGTH	WIDTH	AREA	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL	HMA SURFACE REMOVAL	HMA SURFACE REMOVAL (SPECIAL)	POLY. HMA BINDER COURSE, IL-9.5, N70	POLY HMA SUR CSE. IL 9.5, MIX "D", N70	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)		EXCAVATING AND GRADING EXISTING SHOULDERS	PAVED SHOULDER REMOVAL	HMA SHOULDERS		HOT-MIX ASPHALT SHOULDERS, 4 1/4"	MATERIAL TRANSFER DEVICE	
					2-1/2"	3-3/4"	JOINT TRIMMING	2.0"	1-3/4"	0.08 LB/SQ FT 2 APPLICATIONS	QTY FOR JOINT TRIMMING			3-3/4"	JOINT TRIMMING			
SIDE	STATION	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	POUND	POUND	UNIT	SQ YD	TON	TON	SQ YD	TON
RURAL - NHPP																		
STAGE 1																		
LT	STA. 11+90.0 TO STA. 12+15.0	25	4	11.1	11.1				1.2	1.1	16.0							2.3
LT	STA. 12+15.0 TO STA. 137+74.0	12559	4	5581.8		5581.8			625.2	547.0	8037.8							1172.2
LT	STA. 137+74.0 TO STA. 137+84.0	10	4	4.4	4.4				0.5	0.4	6.4							0.9
STAGE 2																		
LT	STA. 137+84.0 TO STA. 137+94.0	10	4	4.4	4.4				0.5	0.4	6.4							0.9
LT	STA. 137+94.0 TO STA. 168+86.8	3093	4	1374.6		1374.6			154.0	134.7	1979.4							288.7
STATION EQ: 168+86.8 (BK) = 168+85.5 (AH)																		
LT	STA. 168+85.5 TO STA. 249+92.0	8106.5	4	3602.9		3602.9			403.5	353.1	5188.1							756.6
LT	STA. 249+92.0 TO STA. 250+02.0	10	4	4.4	4.4				0.5	0.4	6.4							0.9
STAGE 3																		
LT	STA. 250+02.0 TO STA. 250+12.0	10	4	4.4	4.4				0.5	0.4	6.4							0.9
LT	STA. 250+12.0 TO STA. 318+00.0	6788	4	3016.9		3016.9			337.9	295.7	4344.3							633.5
URBAN - NHPP																		
LT	STA. 318+00.0 TO STA. 319+49.4	149.4	4	66.4		66.4			7.4	6.5	95.6							13.9
LT	STA. 319+49.4 TO STA. 322+43.2	293.8	10	326.4		130.6	16.3				470.1	11.8	2.9		68.6	1.6	195.9	
LT	STA. 322+43.2 TO STA. 323+63.0	119.8	10	133.1		133.1	6.7				191.7	4.8			28.0	0.7		
LT	STA. 323+63.0 TO STA. 323+73.0	10	10	11.1	11.1		0.6				16.0	0.4			2.3	0.1		
STAGE 4																		
LT	STA. 323+73.0 TO STA. 323+98.0	25	10	27.8	27.8		1.4				40.0	1.0			5.8	0.1		
LT	STA. 323+98.0 TO STA. 332+94.4	896.4	10	996.0			996.0	49.8			1434.2	35.9			209.2	4.9		
LT	STA. 332+94.4 TO STA. 337+00.0	405.6	10	450.7			450.7	22.5			649.0	16.2			94.6	2.2		
LT	STA. 337+00.0 TO STA. 341+39.3	439.3	10	488.1			488.1	24.4			702.9	17.6			102.5	2.4		
LT	STA. 341+39.3 TO STA. 342+39.3	100	10	111.1							160.0	4.0		111.1	23.3	0.5	111.1	
LT	RAMP D																	
LT	STA. 343+72.4 TO STA. 347+78.9	407	10	451.8			451.8	22.6			650.5	16.3			94.9	2.2		
LT	STA. 347+78.9 TO STA. 347+88.9	10	10	11.1	11.1			0.6			16.0	0.4			2.3	0.1		
BRIDGE OMISSION																		
LT	STA. 350+10.9 TO STA. 350+20.9	10	10	11.1	11.1			0.6			16.0	0.4			2.3	0.1		
LT	STA. 350+20.9 TO STA. 356+00.0	579	10	643.4			643.4	32.2			926.6	23.2			135.1	3.2		
URBAN - STBG																		
LT	STA. 356+00.0 TO STA. 366+25.0	1025	10	1138.9			1138.9	56.9			1640.0	41.0			239.2	5.6		
LT	STA. 366+25.0 TO STA. 375+25.6	901	10	1000.7			1000.7	50.0			1441.0	36.0			210.1	4.9		
LT	STA. 375+25.6 TO STA. 380+32.5	507	10	563.2			225.3	28.2			811.0	20.3	5.1		118.3	2.8	337.9	
LT	STA. 380+32.5 TO STA. 385+23.3	491	4	218.1			218.1		24.4	21.4	314.1	19.6			45.8	2.7	327.2	45.8
LT	STA. 385+23.3 TO STA. 385+33.3	10	4	4.4	4.4				0.5	0.4	6.4	0.4			0.9	0.1	6.7	0.9
LEFT SHOULDER RURAL NHPP SUB-TOTAL					28.9	13576.1	0.0	0.0	1523.8	1333.3	19591.2	0.0	0.0	0.0	0.0	0.0	0.0	2857.1
LEFT SHOULDER URBAN NHPP SUB-TOTAL					61.1	330.1	3030.0	177.5	7.4	6.5	5368.6	131.8	2.9	111.1	769.0	17.9	307.0	13.9
LEFT SHOULDER URBAN STBG SUB-TOTAL					4.4	0.0	2583.0	135.1	24.9	21.8	4212.5	117.3	5.1	0.0	614.3	16.0	671.8	46.7

MODEL: Schedule Sheet - 3
FILE NAME: c:\pwworking\harrisonk\d091248\0488F43-sh-schedule.dgn

USER NAME = kyle.harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 313	SECTION 4RS-5	COUNTY WARREN	TOTAL SHEETS 57	SHEET NO. 15
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

RIGHT SHOULDER AND RAMP SHOULDER SCHEDULE

LOCATION	LENGTH	WIDTH	AREA	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL	HMA SURFACE REMOVAL	IIMA SURFACE REMOVAL (SPECIAL)	POLY. IIMA BINDER COURSE, IL-9.5, N70	POLY IIMA SUR CSE. IL 9.5, MIX "D", N70	POLYMERIZED BITUMINOUS MATERIALS (TACK COAT)		EXCAVATING AND GRADING EXISTING SHOULDER	PAVED SHOULDER REMOVAL	HMA SHOULDERS		HOT-MIX ASPHALT SHOULDERS, 4 1/4"	MATERIAL TRANSFER DEVICE	
										0.08 LB/SQ FT 2 APPLICATIONS	JOINT TRIMMING			3-3/4"	JOINT TRIMMING			
SIDE	STATION	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	POUND	POUND	UNIT	SQ YD	TON	TON	SQ YD	TON
RURAL - NHPP																		
STAGE 1																		
RT	STA 11+90.0 TO STA 12+15.0	25	4	11.1	11.1				1.2	1.1	16.0							2.3
RT	STA 12+15.0 TO STA 137+74.0	12559	4	5581.8		5581.8			625.2	547.0	8037.8							1172.2
RT	STA 137+74.0 TO STA 137+84.0	10	4	4.4	4.4				0.5	0.4	6.4							0.9
STAGE 2																		
RT	STA 137+84.0 TO STA 137+94.0	10	4	4.4	4.4				0.5	0.4	6.4							0.9
RT	STA 137+94.0 TO STA 168+86.8	3093	4	1374.6		1374.6			154.0	134.7	1979.4							288.7
STATION EQ: 168+86.8 (BK) = 168+85.5 (AH)																		
RT	STA 168+85.5 TO STA 249+92.0	8106.47	4	3602.9		3602.9			403.5	353.1	5188.1							756.6
RT	STA 249+92.0 TO STA 250+02.0	10	4	4.4	4.4				0.5	0.4	6.4							0.9
STAGE 3																		
RT	STA 250+02.0 TO STA 250+12.0	10	4	4.4	4.4				0.5	0.4	6.4							0.9
RT	STA 250+12.0 TO STA 318+00.0	6788	4	3016.9		3016.9			337.9	295.7	4344.3							633.5
URBAN - NHPP																		
RT	STA 318+00.0 TO STA 318+87.9	87.9	4	39.1		39.1			4.4	3.8	56.3							8.2
RT	STA 318+87.9 TO STA 323+63.0	475.1	10	527.9		211.2	26.4				760.2	19.0	4.8		110.9	2.6	316.7	
RT	STA 323+63.0 TO STA 323+73.0	10	10	11.1	4.4		0.6				16.0	0.4	0.1		2.3	0.1	6.7	
STAGE 4																		
RT	STA 323+73.0 TO STA 323+98.0	25	10	27.8	11.1		1.4				40.0	1.0	0.3		5.8	0.1	16.7	
RT	STA 323+98.0 TO STA 324+07.0	9	10	10.0			4.0	0.5			14.4	0.4	0.1		2.1	0.0	6.0	
RT	STA 324+07.0 TO STA 337+00.0	1293	10	1436.7		1436.7	71.8				2068.8	51.7			301.7	7.0		
RT	STA 337+00.0 TO STA 347+78.9	1079	10	1198.8		1198.8	59.9				1726.2	43.2			251.7	5.9		
RT	STA 347+78.9 TO STA 347+88.9	10	10	11.1	11.1		0.6				16.0	0.4			2.3	0.1	6.7	
BRIDGE OMISSION																		
RT	STA 350+10.9 TO STA 350+20.9	10	10	11.1	11.1		0.6				16.0	0.4			2.3	0.1		
RT	STA 350+20.9 TO STA 352+68.0	247	10	274.6		274.6	13.7				395.4	9.9			57.7	1.3		
RAMPS A & B OMISSION																		
RT	STA 355+89.0 TO STA 356+00.0	11	10	12.2			12.2	0.6			17.6	0.4			2.6	0.1		
URBAN - STBG																		
RT	STA 356+00.0 TO STA 366+25.0	1025	10	1138.9		1138.9	56.9				1640.0	41.0			239.2	5.6		
RT	STA 366+25.0 TO STA 373+40.3	715	10	794.7		794.7	39.7				1144.4	28.6			166.9	3.9		
RT	STA 373+40.3 TO STA 384+77.9	1138	10	1264.0		505.6	63.2				1820.2	45.5	11.4		265.4	6.2	758.4	
RT	STA 384+77.9 TO STA 384+87.9	10	10	11.1	11.1		0.6				16.0	0.4	0.1		2.3	0.1	6.7	
URBAN - NHPP																		
RAMP D																		
LT	STA 19+41.0 TO STA 20+18.4	77	4	40.5		40.5					58.4	3.1			8.5			
RT	STA 19+41.0 TO STA 20+61.2	120	4	69.4							100.0	4.8		69.4	14.6		69.4	
RAMP C																		
LT	STA 0+82.9 TO STA 1+68.2	85	4	49.7		49.7					71.5	3.4			10.4			
RT	STA 0+28.1 TO STA 1+68.2	140	4	86.8		86.8					124.9	5.6			18.2			
RAMP A & B																		
A-RT	STA 0+39.0 TO STA 1+85.0	146	4	96.6		96.6					139.1	5.8			20.3			
A/B-LT/LT	STA 1+85.0 TO STA 25+56.1	298	4	129.5		129.5					186.5	11.9			27.2			
B-RT	STA 25+56.1 TO STA 27+15.9	160	4	77.2		77.2					111.2	6.4			16.2			
RIGHT SHOULDER & RAMP SHOULDER RURAL NHPP SUB-TOTAL				28.9	13576.1	0.0	0.0	1523.8	1333.3	19591.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2857.1
RIGHT SHOULDER & RAMP SHOULDER URBAN NHPP SUB-TOTAL				37.8	250.2	3406.5	176.1	4.4	3.8	5918.5	167.8	5.2	69.4	854.9	17.3	415.5	8.2	
RIGHT SHOULDER & RAMP SHOULDER URBAN STBG SUB-TOTAL				11.1	0.0	2439.2	160.4	0.0	0.0	4620.6	115.5	11.5	0.0	673.8	15.7	765.1	0.0	

MODEL: Schedule (Sheet) - 4
FILE NAME: c:\p\work\harrison\k0991248\0468F43-rhs-schedule.dgn

USER NAME = kyle.harrison	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 4 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	16
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

SIDEROAD, MAILBOX, AND ENTRANCE SCHEDULE												
LOCATION		TYPE	EXISTING MATERIAL	LENGTH	AREA	HMA SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	INCIDENTAL HMA SURFACING	POLYMERIZED BITINOUS MATERIALS (TACK COAT)	AGGREGATE SURFACE COURSE, TYPE A	EARTH EXCAVATION	HMA SHOULDERS, 8"
SIDE	STATION											
RURAL - NIIPP												
RT	STA 20+00.0	20TH ST	HMA	98	180.0	180.0	90.6	37.8	259.2			
LT	STA 20+00.0	20TH ST	HMA	102	150.7	150.7	94.3	31.6	217.0			
RT	STA 89+14.0	160TH AVE	HMA	98	150.2	150.2	90.8	31.5	216.3			
LT	STA 89+14.0	E WALNUT ST	HMA	98	138.4	138.4	90.8	29.1	199.2			
LT	STA 118+92.0	NORTH ST	HMA	189	685.0	685.0	174.7	143.9	986.4			
RT	STA 161+84.0	P.E.	HMA/AGG	54	31.7	31.7		6.7	45.7	2.7		
LT	STA 161+97.0	M.B./P.E.	HMA	77	30.8	30.8		6.5	44.3	3.9		
RT	STA 186+86.0	F.E.	AGG	100	40.2					5.1		
LT	STA 194+38.0	M.B./P.E.	HMA/AGG	77	28.7	28.7		6.0	41.3	3.9		
LT	STA 200+52.0	M.B./F.E.	AGG/HMA	96	50.9			6.2	73.3	4.9	6.6	29.6
RT	STA 200+37.0	40TH ST	HMA / AGG	61	137.7	137.7	56.4	28.9	198.3	3.1		
LT	STA 217+20.0	M.B./P.E.	HMA/AGG	87	32.9	32.9		6.9	47.3	4.4		
LT	STA 245+88.0	M.B./P.E.	HMA/AGG	86	32.1	32.1		6.7	46.2	4.4		
RT	STA 254+05.0	50TH ST	HMA	103	155.6	155.6	95.1	32.7	224.1			
LT	STA 254+05.0	50TH ST	HMA	102	146.3	146.3	94.4	30.7	210.7			
RT	STA 269+79.0	P.E.	HMA / AGG	74	31.7	31.7		6.7	45.7	3.8		
LT	STA 270+11.0	MAILBOX	AGG	46	14.3				20.7	2.4	3.2	14.3
RT	STA 286+58.0	P.E.	AGG	101	42.4					5.1		
URBAN - NHPP												
RT	STA 318+89.0	60TH ST	HMA	113	185.3	185.3	104.8	38.9	266.8			
LT	STA 318+89.0	60TH ST	HMA	113	185.3	185.3	104.8	38.9	266.8			
URBAN - STBG												
LT	STA 364+93.0	OLD 34	AGG	168	158.9					8.5		
LT	STA 367+30.0	M.B./P.E.	HMA/AGG	101	83.8	83.8		17.6	120.6	5.1		
RT	STA 368+04.0	F.E.	AGG	69	62.1					3.5		
LT	STA 380+55.0	IDOT MAINT.	HMA	56	141.7	141.7		29.8	204.1			
LT	STA 382+23.0	IDOT MAINT.	HMA	62	145.8	145.8		30.6	209.9			
LT	STA 385+33.0	MAIN ST/70th	HMA	VAR	576.5	576.5	44.4	121.1	830.2			
RT	STA 386+21.0	180TH ST	HMA	73	445.8	445.8	67.6	93.6	641.9			
SIDEROAD, MAILBOX, AND ENTRANCE RURAL NHPP SUB-TOTAL						1931.8	787.1	411.9	2875.7	43.5	9.8	43.9
SIDEROAD, MAILBOX, AND ENTRANCE URBAN NHPP SUB-TOTAL						370.5	209.6	77.8	533.6	0.0	0.0	0.0
SIDEROAD, MAILBOX, AND ENTRANCE URBAN STBG SUB-TOTAL						1393.5	112.0	292.6	2006.7	17.1	0.0	0.0
SIDEROAD, MAILBOX, AND ENTRANCE TOTAL						-	-	782	-	61	10	44

GUARDRAIL SCHEDULE						
LOCATION	SPBGR TY A 6 FT POSTS	TRAFFIC BARRIER TERMINAL TY 1 SPECIAL (TANGENT)	GUARDRAIL AGGREGATE EROSION CONTROL	TERMINAL MARKER DIRECT APPLIED	LINEAR DELINEATOR PANELS, 4 INCH	GUARDRAIL REMOVAL
STATION	FOOT	EACH	TON	EACH	EACH	FOOT
RURAL - NHPP						
LT STA 36+93.0 TO STA 39+43.0	150.0	2	60.7	2	4.0	200
RT STA 35+43.0 TO STA 37+93.0	150.0	2	60.7	2	4.0	230
LT STA 57+43.0 TO STA 60+93.0	250.0	2	81.0	2	5.0	340
RT STA 53+13.6 TO STA 60+58.1	650.0	2	162.0	2	10.0	750
LT STA 82+35.5 TO STA 84+98.0	162.5	2	63.3	2	4.0	250
RT STA 80+32.0 TO STA 84+32.0	300.0	2	91.1	2	5.0	400
RURAL - NHPP TOTAL		1662.5	12	519	12	2170

MODEL: Schedule (Sheet) - 5
FILE NAME: c:\p\work\pwr\totharrison\k\091248\0468F43-sth-schedule.dgn

USER NAME = kyle.harrison	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	DRAWN -	REVISED -		SCALE: N/A	SHEET 5	OF 8	SHEETS	STA.	TO STA.	313	4RS-5	WARREN	57	17
	CHECKED -	REVISED -		CONTRACT NO. 68F43										
PLOT DATE = 10/18/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

PAVEMENT MARKING SCHEDULE

STATION	FOOT	MODIFIED URETHANE PAVEMENT MARKING - 4"			MODIFIED URETHANE PAVEMENT MARKING - 6"		MODIFIED URETHANE PAVEMENT MARKING-LINE 8"	MODIFIED URETHANE PAVEMENT MARKING-LINE 12"	MODIFIED URETHANE PAVEMENT MARKING-LINE 24"	MODIFIED URETHANE 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"	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	
		YELLOW	YELLOW	YELLOW	WHITE	YELLOW	WHITE	WHITE	WHITE	WHITE	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
		SKIP	SOLID	DOUBLE SOLID													
RURAL - NHPP																	
STA 11+90.00 TO STA 117+00.00	10510	2630.0			21020.0						2630.0	21020.0					
STA 117+00.00 TO STA 125+00.00	800	200.0			1600.0		459.5	105.3	28.1	78.0	200.0	1600.0	459.5	105.3	28.1	109.5	
STA 125+00.00 TO STA 152+95.00	2795	700.0			5590.0						700.0	5590.0					
STA 152+95.00 TO STA 162+57.00	962	240.0	962.0		1924.0						1202.0	1924.0					
STA 162+57.00 TO STA 163+65.00	108			216.0	216.0						216.0	216.0					
STA 163+65.00 TO STA 168+86.80	522	130.0	521.8		1043.6						651.8	1043.6					
STA EQ:168+86.8(BK)=168+85.53(AH)																	
STA 168+85.53 TO STA 170+75.00	189	50.0	189.5		378.9						239.5	378.9					
STA 170+75.00 TO STA 318+00.00	14725	3680.0			29450.0						3680.0	29450.0					
URBAN - NHPP																	
STA 318+00.00 TO STA 329+77.26	1177	290.0			2354.5						290.0	2354.5					
STA 329+77.26 TO STA 336+71.33	694	170.0	694.1		1388.1						864.1	1388.1					
STA 336+71.33 TO STA 342+64.82	593		1187.0		1187.0						1187.0	1187.0					
RAMP D																	
	117				157.4	103.8	186.9	63.9	36.1								
RAMP C																	
	142				176.8	128.0											
STA 342+64.82 TO STA 344+22.82	158		201.0		316.0						201.0	316.0					
STA 344+22.82 TO STA 347+33.93	311		611.5		622.2		303.8			78.0	611.5	622.2	303.8			109.5	
STA 347+33.93 TO STA 350+65.93	332		107.4		664.0		110.3			31.2							
STA 350+65.93 TO STA 354+30.74	365		678.4		729.6		218.3			31.2	678.4	729.6	218.3			43.8	
STA 354+30.74 TO STA 356+00.00	169		265.5		338.5		120.0			31.2	265.5	338.5	120.0			43.8	
RAMP A																	
	150				217.3	164.6	339.9	172.7									
RAMP B																	
	133				197.7	142.6	231.6	74.9	35.4								
URBAN - STBG																	
STA 356+00.00 TO STA 358+40.00	240		480.0		480.0		240.0			62.4	480.0	480.0	240.0			87.6	
STA 358+40.00 TO STA 366+25.00	785		1570.8		1570.0						1570.8	1570.0					
STA 366+25.00 TO STA 373+95.94	771	190.0	218.6		1541.9						408.6	1541.9					
STA 373+95.94 TO STA 386+20.94	1225	310.0			2450.0			60.3			310.0	2450.0	0.0	60.3			
RURAL NHPP SUB-TOTAL		7630.0	1673.3	216.0	61222.5	0.0	459.5	105.3	28.1	78.0	9519.3	61222.5	459.5	105.3	28.1	109.5	
URBAN NHPP SUB-TOTAL		460.0	3744.9	0.0	8349.2	539.0	1510.7	311.5	71.5	171.6	4097.5	6936.0	642.0	0.0	0.0	197.1	
URBAN STBG SUBTOTAL		500.0	2269.4	0.0	6041.9	0.0	240.0	0.0	60.3	62.4	2769.4	6041.9	240.0	0.0	60.3	87.6	
TOTAL			16494		76153		2210	417	160	312	16386	74200	1342	105	88	394	

MODEL: Schedule (Sheet) - 6
FILE NAME: c:\p\work\pav\totharrison\ktd091248\0488f43-pht-schedule.dwg

USER NAME = kyle.harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	18
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

TEMPORARY PAVEMENT MARKING SCHEDULE													
LOCATION			LENGTH	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT			TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS - PAINT		
				YELLOW	YELLOW	YELLOW							
STATION			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT		
RURAL - NHPP													
STA	11+90.00	TO	STA	117+00.00	10510	2630.0			21020.0				
STA	117+00.00	TO	STA	125+00.00	800	200.0			1600.0	459.5	105.3		
STA	125+00.00	TO	STA	152+95.00	2795	700.0			5590.0				
STA	152+95.00	TO	STA	162+57.00	962	240.0	962.0		1924.0				
STA	162+57.00	TO	STA	163+65.00	108			216.0	216.0				
STA	163+65.00	TO	STA	168+86.80	522	130.0	521.8		1043.6				
STA EQ:168+86.8(BK)=168+85.53(AH)													
STA	168+85.53	TO	STA	170+75.00	189	50.0	189.5		378.9				
STA	170+75.00	TO	STA	318+00.00	14725	3680.0			29450.0				
URBAN - NHPP													
STA	318+00.00	TO	STA	329+77.26	1177	290.0			2354.5				
STA	329+77.26	TO	STA	336+71.33	694	170.0	694.1		1388.1				
STA	336+71.33	TO	STA	342+64.82	593		1187.0		1187.0				
STA	342+64.82	TO	STA	344+22.82	158				316.0				
STA	344+22.82	TO	STA	347+33.93	311		611.5		622.2	303.8	78.0		
BRIDGE OMISSION													
STA	350+65.93	TO	STA	354+30.74	365		678.4		729.6	218.3	31.2		
STA	354+30.74	TO	STA	356+00.00	169		265.5		338.5	120.0	31.2		
URBAN - STBG													
STA	356+00.00	TO	STA	358+40.00	240		480.0		480.0	240.0	62.4		
STA	358+40.00	TO	STA	366+25.00	785		1570.8		1570.0				
STA	366+25.00	TO	STA	373+95.94	771	190.0	218.6		1541.9				
STA	373+95.94	TO	STA	386+20.94	1225	310.0			2450.0		60.3		
RURAL NHPP SUB-TOTAL						7630.0	1673.3	216.0	61222.5	459.5	105.3	28.1	78.0
URBAN NHPP SUB-TOTAL						460.0	3637.5	0.0	6936.0	642.0	0.0	0.0	140.4
URBAN STBG SUB-TOTAL						500.0	2269.4	0.0	6041.9	240.0	0.0	60.3	62.4
TOTAL							16386		74200	1342	105	88	281

SHORT TERM PAVEMENT MARKING SCHEDULE									
LOCATION			LENGTH	SHORT TERM PAVEMENT MARKING			SHORT TERM PAVEMENT MARKING REMOVAL SQ. FT.		
				YELLOW	WHITE	# OF APPLICATIONS			
STATION			FOOT	FOOT	FOOT				
RURAL - NHPP									
STA	11+90.00	TO	STA	168+86.80	15697	4704.0		3	522.7
STA EQ:168+86.8(BK)=168+85.53(AH)									
STA	168+84.53	TO	STA	318+00.00	14915	4476.0		3	497.3
URBAN - NHPP									
STA	318+00.00	TO	STA	320+12.75	213	60.0		3	6.7
STA	320+12.75	TO	STA	337+00.00	1687	504.0	96.0	3	66.7
STA	337+00.00	TO	STA	347+34.93	1035		60.0	3	6.7
BRIDGE OMISSION									
STA	350+64.93	TO	STA	356+00.00	535		36.0	3	4.0
URBAN - STBG									
STA	356+00.00	TO	STA	366+25.00	1025		60.0	3	6.7
STA	366+25.00	TO	STA	386+20.94	1996		120.0	3	13.3
RURAL NHPP SUB-TOTAL						9180.0	0.0		1020.0
URBAN NHPP SUB-TOTAL						564.0	192.0		84.0
URBAN STBG SUB-TOTAL						0.0	180.0		20.0
TOTAL						10116.0			1124.0

MOWING								
SIDE	STATION				LENGTH (FT)	WIDTH (FT)	AREA (ACRE)	
LT	STA	11+90.0	TO	STA	168+86.8	15696.8	15	5.4
STATION EQ: 168+86.8 (BK) = 168+85.3 (AH)								
LT	STA	168+85.3	TO	STA	342+39.3	17354.0	15	6.0
LT	RAMP D							
LT	STA	343+72.4	TO	STA	347+88.9	416.6	15	0.1
BRIDGE OMISSION: STA 347+88.93 TO STA 350+10.93								
LT	STA	350+10.9	TO	STA	385+33.3	3522.3	15	1.2
RT	STA	11+90.0	TO	STA	168+86.8	15696.8	15	5.4
STATION EQ: 168+86.8 (BK) = 168+85.3 (AH)								
RT	STA	168+85.5	TO	STA	342+35.1	17349.6	15	6.0
RT	RAMP C							
RT	STA	343+85.0	TO	STA	347+88.9	404.0	15	0.1
BRIDGE OMISSION: STA 347+88.93 TO STA 350+10.93								
RT	STA	350+10.9	TO	STA	352+67.9	256.9	15	0.1
RT	RAMPS A & B							
RT	STA	355+88.7	TO	STA	385+33.3	2944.6	15	1.0
TOTAL								
								25

MODEL: Schedule (Sheet) - 7
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USER NAME = kyle.harrison	DESIGNED -	REVISED -
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PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	19
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

PAVEMENT PATCHING SCHEDULE								
LOCATION	CLASS C PATCHES 8 INCH			PARTIAL DEPTH PATCHING (SPECIAL)	PARTIAL DEPTH PATCHING	HOT-MIX ASPHALT SURFACE REMOVAL - LONGITUDINAL JOINT	LONGITUDINAL JOINT REPAIR	TIE BARS 3/4"
	TYPE II	TYPE III	TYPE IV					
	SQ YD	SQ YD	SQ YD	SQ. YD.	TON	SQ YD	TON	EACH
US 34								
RURAL - NHPP								
20TH ST								
	466.7		153.3	666.7	74.7			179.0
E WALNUT ST / 160TH AVE								
	213.3		26.7	444.4	49.8			71.0
NORTH ST								
	93.3		53.3	444.4	49.8			42.0
40TH ST								
				326.7	36.6			
50TH ST								
	266.7	13.3	26.7	477.8	53.5			91.0
URBAN - NHPP								
60TH ST								
				616.5	69.0	648.3	72.6	
URBAN - STBG								
RAMP B								
				461.3	51.7	485.1	54.3	
70TH ST / S MAIN ST								
WINTER BREAK UP (15%)	156.0	2.0	39.0	515.7	57.8	170.0	19.0	57.5
RURAL - NHPP SUB-TOTAL	1196.0	15.3	299.0	2714.0	304.0	0.0	0.0	440.5
URBAN - NHPP SUB-TOTAL	0.0	0.0	0.0	709.0	79.4	745.5	83.5	0.0
URBAN - STBG SUB-TOTAL	0.0	0.0	0.0	530.5	59.4	557.8	62.5	0.0
PROJECT TOTAL	1196	15	299	3953	443	1303	146	440

SHOULDER SCHEDULE											
LOCATION						LENGTH	WIDTH	AREA	AGGREGATE WEDGE SHOULDER, TYPE B	SHOULDER RUMBLE STRIPS, 8"	SHOULDER RUMBLE STRIPS, 16"
SIDE	STATION					FOOT	FOOT	SQ YD	TON	FOOT	FOOT
RURAL - NHPP											
LT	STA.	11+90.0	TO	STA.	168+86.8	15697	4	6976.4	595.9	15230.8	
STATION EQ: 168+86.8 (BK) = 168+85.5 (AH)											
LT	STA.	168+85.5	TO	STA.	318+00.0	14914.5	4	6628.7	566.2	14307.5	
URBAN - NHPP											
LT	STA.	318+00.0	TO	STA.	319+50.4	150.4	4	66.8	5.7	150.4	
LT	STA.	319+50.4	TO	STA.	342+40.3	2289.9	10	2544.3	86.9		2289.9
LT	RAMP D										
LT	STA.	343+72.4	TO	STA.	347+88.9	417	10	462.8	15.8		416.5
BRIDGE OMISSION											
LT	STA.	350+10.9	TO	STA.	356+00.0	589	10	654.5	22.4		320.1
URBAN - STBG											
LT	STA.	356+00.0	TO	STA.	380+32.5	2433	10	2702.8	92.3		2432.5
LT	STA.	380+32.5	TO	STA.	385+33.3	501	4	222.6	19.0	319.8	
RURAL - NHPP											
RT	STA.	11+90.0	TO	STA.	168+86.8	15697	4	6976.4	595.9	15446.8	
STATION EQ: 168+86.8 (BK) = 168+85.5 (AH)											
RT	STA.	168+85.5	TO	STA.	318+00.0	14914.5	4	6628.7	566.2	14362.5	
URBAN - NHPP											
RT	STA.	318+00.0	TO	STA.	318+87.9	87.9	4	39.1	3.3	87.9	
RT	STA.	318+87.9	TO	STA.	347+88.9	2901	10	3223.3	110.1		2901.0
BRIDGE OMISSION											
RT	STA.	350+10.9	TO	STA.	352+68.0	257	10	285.7	9.8		257.1
RT	RAMPS A & B OMISSION										
RT	STA.	355+89.0	TO	STA.	356+00.0	11	10	12.2	0.4		11.0
URBAN - STBG											
RT	STA.	356+00.0	TO	STA.	384+88.9	2889	10	3209.9	109.7		2888.9
RURAL NHPP SUB-TOTAL									2324.2	59347.5	0.0
URBAN NHPP SUB-TOTAL									254.5	238.3	6195.6
URBAN STBG SUB-TOTAL									221.0	319.8	5321.4
TOTAL									2800	59906	11517

RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE							
LOCATION	LENGTH	RAISED REFLECTIVE PAVEMENT MARKER			RAISED REFLECTIVE PAVEMENT MARKER REMOVAL		
		ONE WAY AMBER	TWO WAY AMBER	ONE WAY CRYSTAL			
STATION	FOOT	EACH	EACH	EACH	EACH		
RURAL - NHPP							
STA	11+90.00 TO STA 117+00.00	10510		131.0	131.0		
STA	117+00.00 TO STA 125+00.00	800		10.0	14.0		
STA	125+00.00 TO STA 168+86.80	4387		55.0	55.0		
STA EQ: 168+86.8(BK)=168+85.53(AH)							
STA	168+85.53 TO STA 318+00.00	14914		186.0	186.0		
URBAN - NHPP							
STA	318+00.00 TO STA 336+25.00	1825		23.0	23.0		
STA	336+25.00 TO STA 347+88.90	1164	58		9.0		
BRIDGE OMISSION							
STA	350+10.90 TO STA 356+00.00	589	23		8.0		
URBAN - STBG							
STA	356+00.00 TO STA 367+00.00	1100	56		7.0		
STA	367+00.00 TO STA 386+20.94	1921		24.0	24.0		
RURAL - NHPP SUB-TOTAL			0.0	382.0	14.0	396.0	
URBAN - NHPP SUB-TOTAL			81.0	23.0	17.0	40.0	
URBAN - STBG SUB-TOTAL			56.0	24.0	7.0	31.0	
TOTAL				604		467	

TRAFFIC COUNTER SCHEDULE				
LOCATION	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	CONCRETE FOUNDATIONS	TRAFFIC COUNTER- TIRTL SYSTEM	INCIDENTAL HOT- MIX ASPHALT SURFACING (SPECIAL)
STATION	POUND	CU YD	EACH	TON
RURAL - NHPP				
STA 93+54	520	1.4	1	21.8
RURAL - NHPP TOTAL	520	1.4	1	22

MEDIAN SCHEDULE		
LOCATION	CONCRETE MEDIAN (SPECIAL)	CURB REFLECTORS
STATION	SQ FT	EACH
RURAL - NHPP		
STA 119+00	272.0	10.0
RURAL - NHPP TOTAL	272	10

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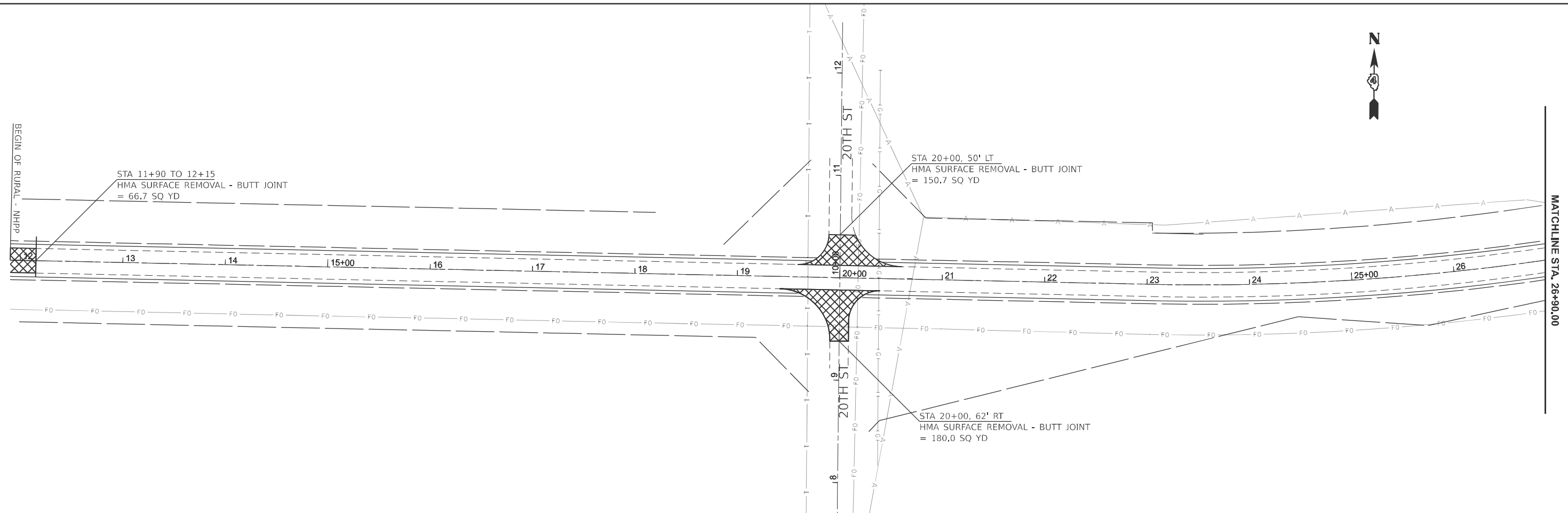
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PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

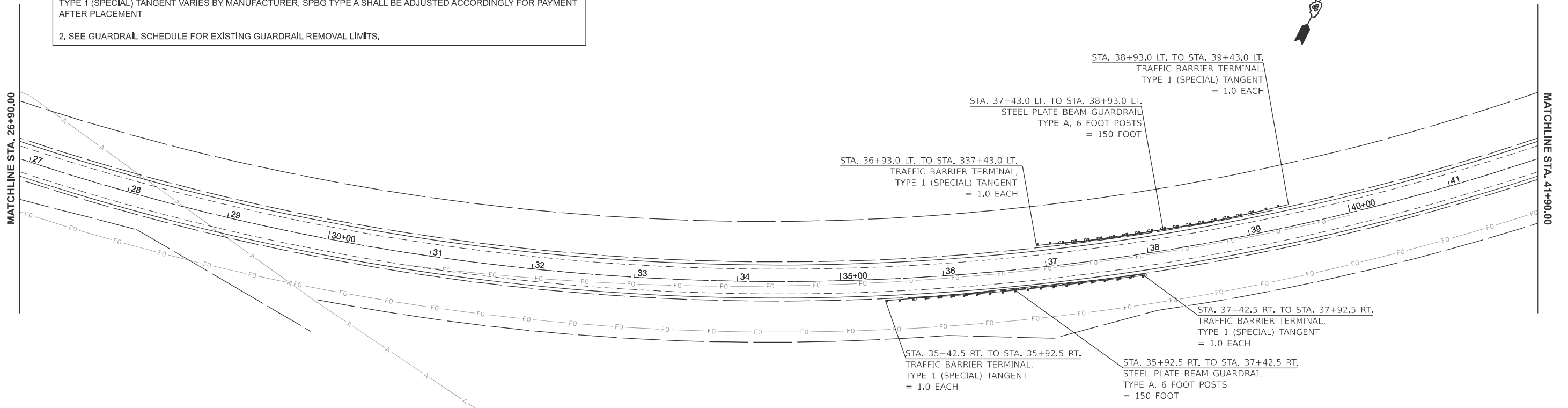
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	20
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



GUARDRAIL NOTES:

1. LENGTH OF NEED ASSUMED TO BEGIN AT THIRD POST OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT. PAY LIMITS FOR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT WERE ASSUMED AS 50'. ACTUAL LENGTH OF TYPE 1 (SPECIAL) TANGENT VARIES BY MANUFACTURER, SPBG TYPE A SHALL BE ADJUSTED ACCORDINGLY FOR PAYMENT AFTER PLACEMENT
2. SEE GUARDRAIL SCHEDULE FOR EXISTING GUARDRAIL REMOVAL LIMITS.



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	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

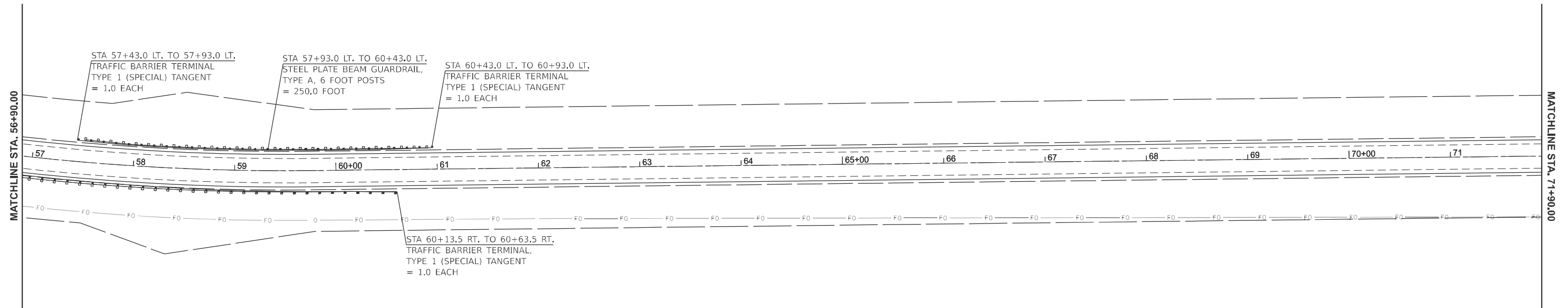
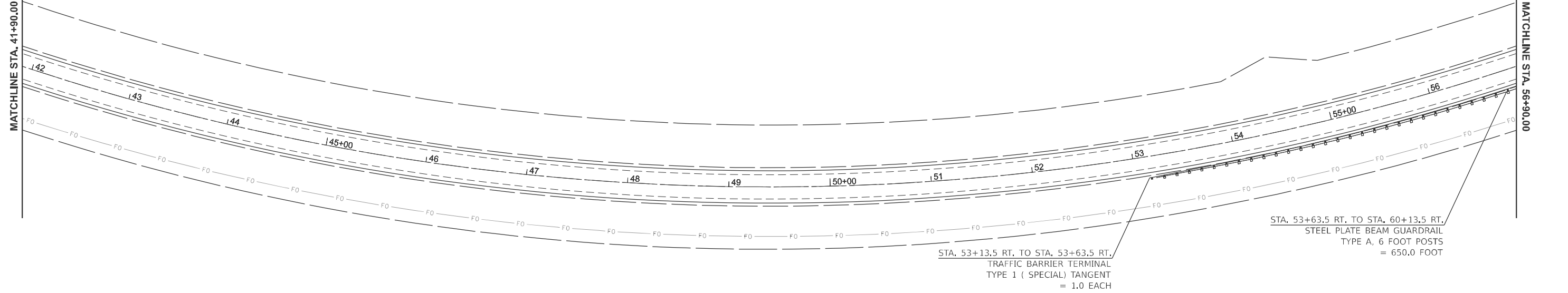
GENERAL PLAN

SCALE: 1"=50' SHEET 1 OF 13 SHEETS STA. 11+90.00 TO STA. 41+90.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	21
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

GUARDRAIL NOTES:

1. LENGTH OF NEED ASSUMED TO BEGIN AT THIRD POST OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT. PAY LIMITS FOR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT WERE ASSUMED AS 50'. ACTUAL LENGTH OF TYPE 1 (SPECIAL) TANGENT VARIES BY MANUFACTURER, SPBG TYPE A SHALL BE ADJUSTED ACCORDINGLY FOR PAYMENT AFTER PLACEMENT.
2. SEE GUARDRAIL SCHEDULE FOR EXISTING GUARDRAIL REMOVAL LIMITS.



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USER NAME = nataliegh.richardson	DESIGNED -	REVISED -
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PLOT DATE = 10/11/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

SCALE: 1"=50' SHEET 2 OF 13 SHEETS STA. 41+90.00 TO STA. 71+90.00

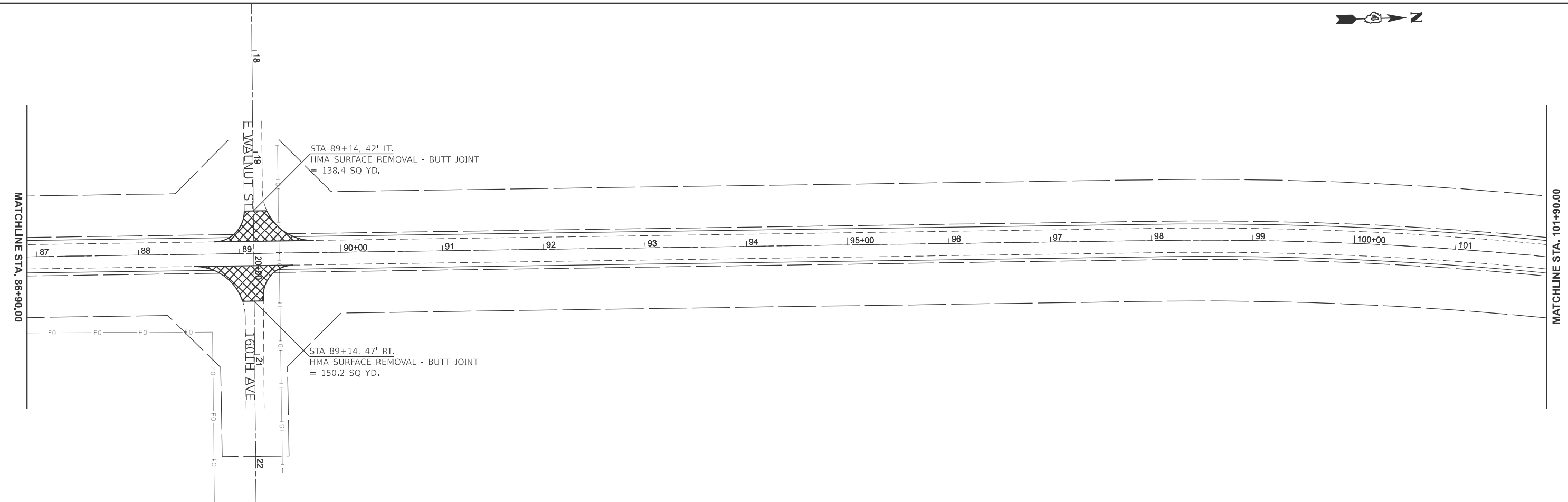
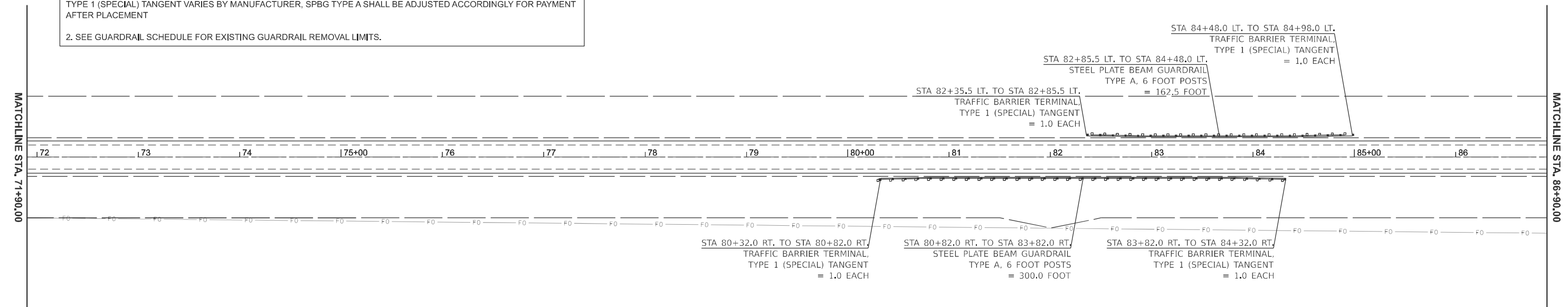
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	22
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



GUARDRAIL NOTES:

1. LENGTH OF NEED ASSUMED TO BEGIN AT THIRD POST OF TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT. PAY LIMITS FOR TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT WERE ASSUMED AS 50'. ACTUAL LENGTH OF TYPE 1 (SPECIAL) TANGENT VARIES BY MANUFACTURER, SPBG TYPE A SHALL BE ADJUSTED ACCORDINGLY FOR PAYMENT AFTER PLACEMENT

2. SEE GUARDRAIL SCHEDULE FOR EXISTING GUARDRAIL REMOVAL LIMITS.



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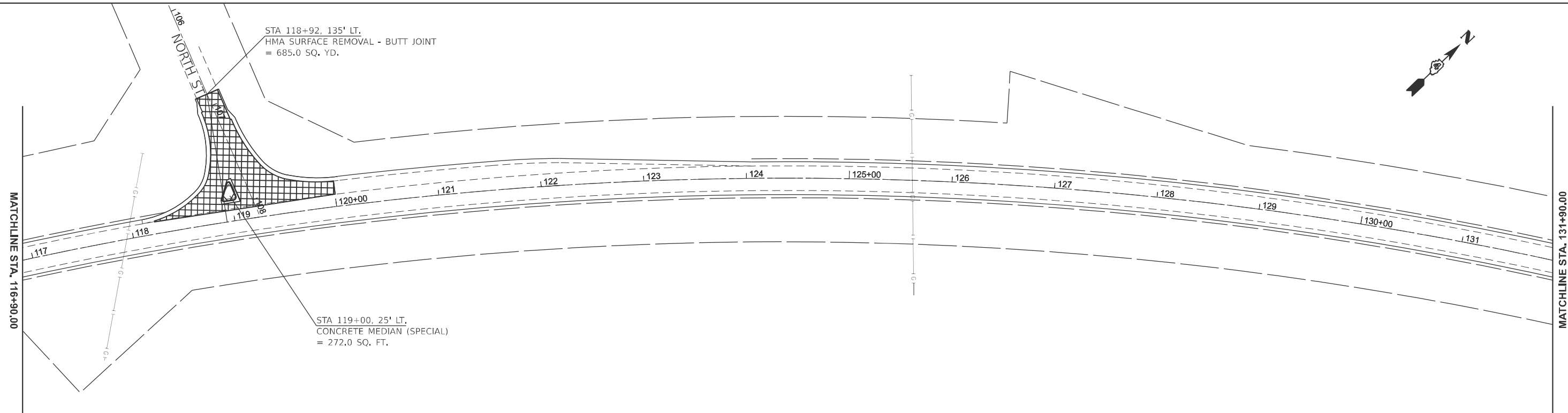
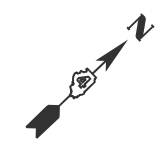
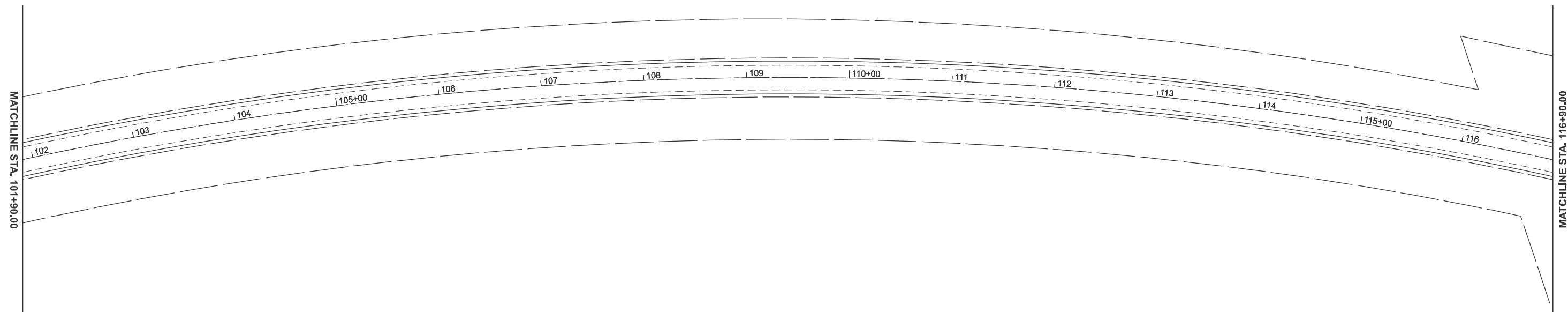
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	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

SCALE: 1"=50' SHEET 3 OF 13 SHEETS STA. 71+90.00 TO STA. 101+90.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	23
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



STA 118+92, 135' LT.
HMA SURFACE REMOVAL - BUTT JOINT
= 685.0 SQ. YD.

STA 119+00, 25' LT.
CONCRETE MEDIAN (SPECIAL)
= 272.0 SQ. FT.

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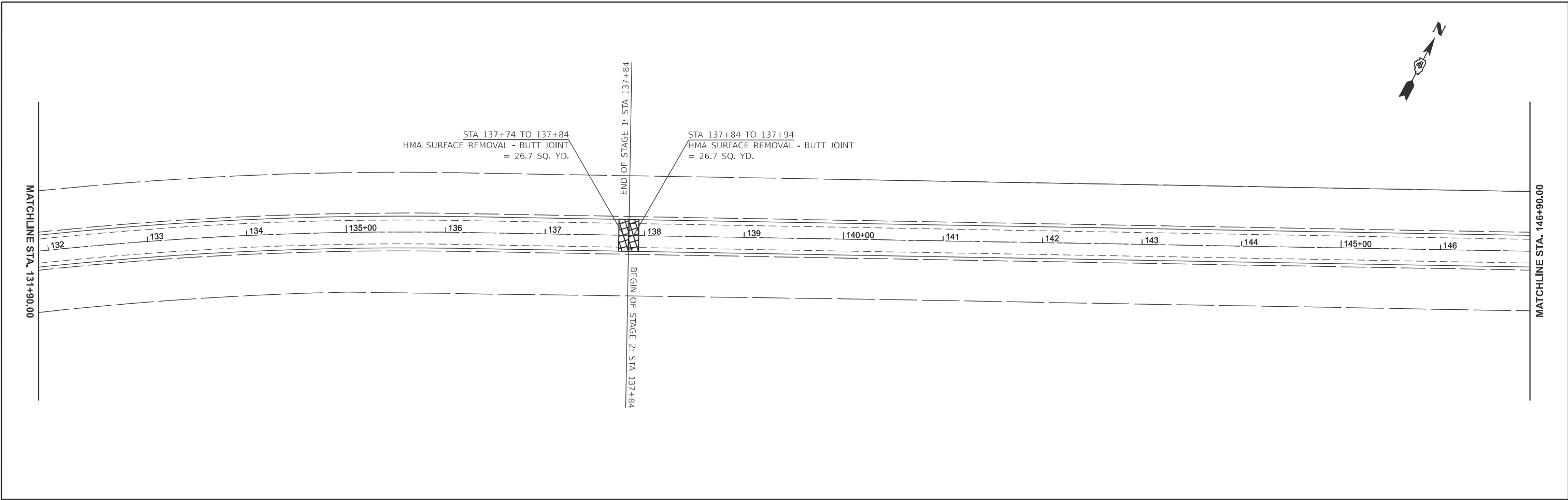
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PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

SCALE: 1"=50' SHEET 4 OF 13 SHEETS STA. 101+90.00 TO STA. 131+90.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	24
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



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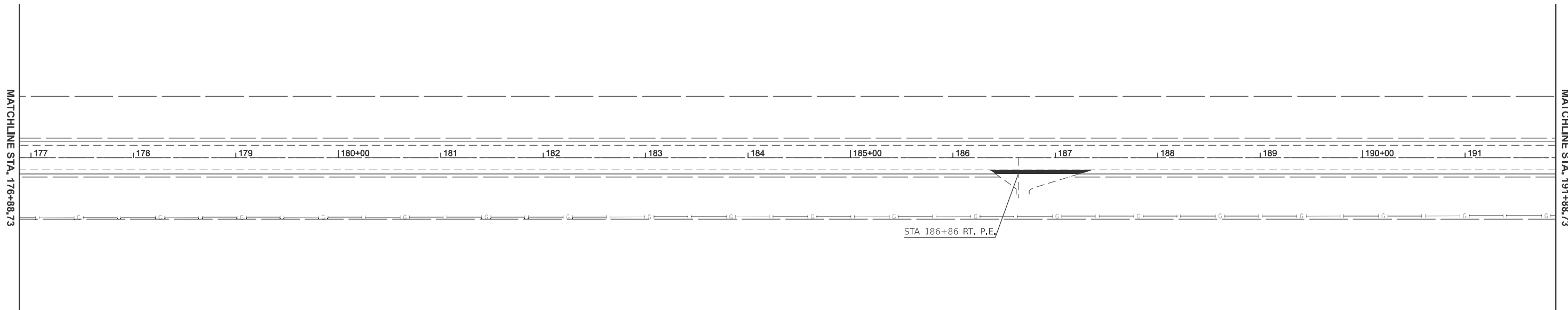
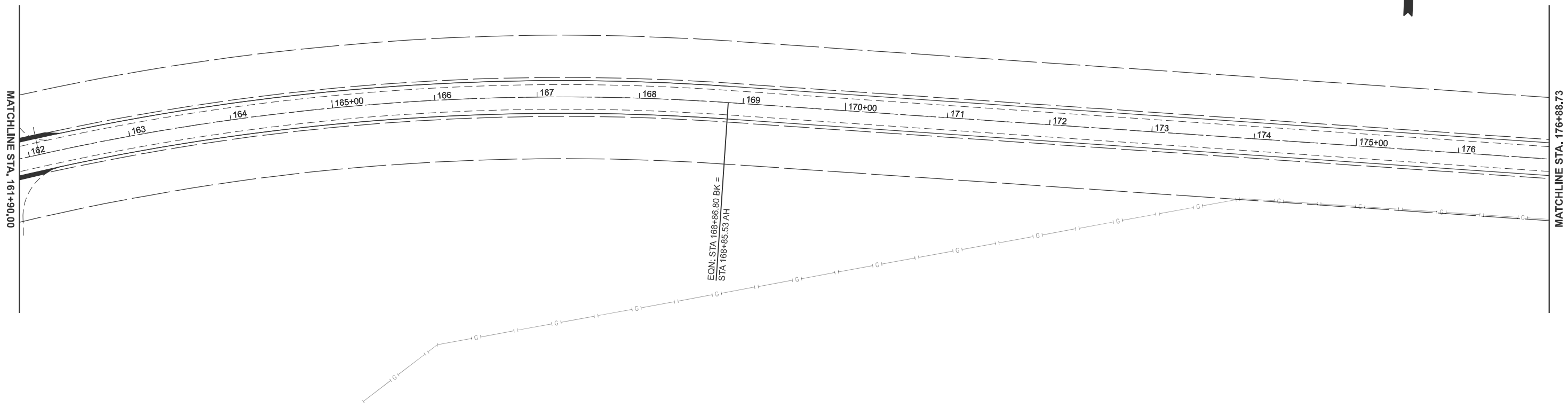
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	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

SCALE: 1"=50' SHEET 5 OF 13 SHEETS STA. 131+90.00 TO STA. 161+90.00

F.A.P. RTE. 313	SECTION 4RS-5	COUNTY WARREN	TOTAL SHEETS 57	SHEET NO. 25
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



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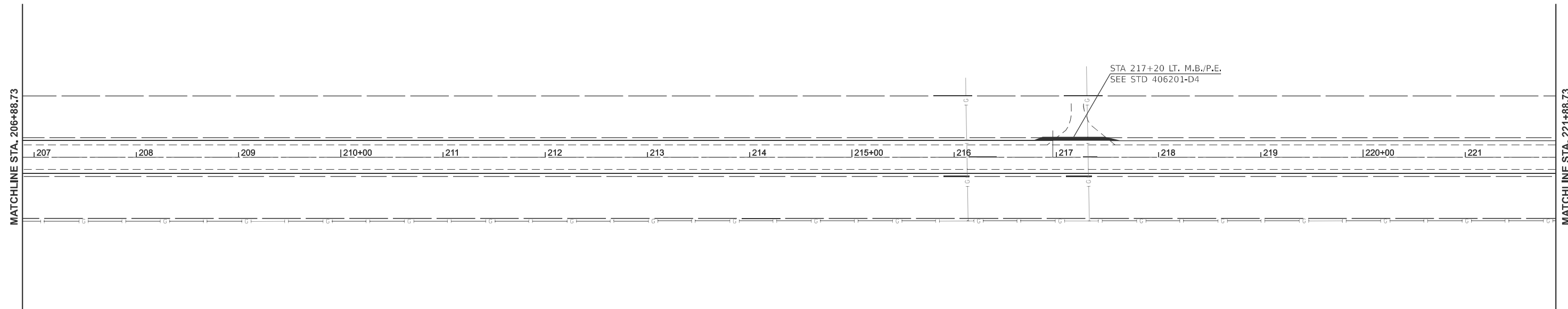
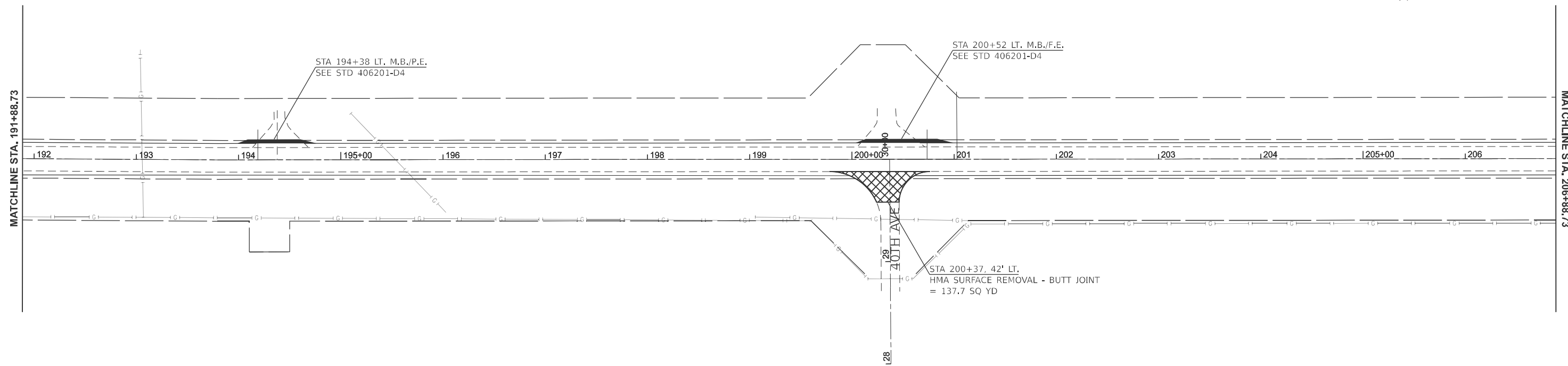
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PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

SCALE: 1"=50' SHEET 6 OF 13 SHEETS STA. 161+90.00 TO STA. 191+88.73

F.A.P. RTE. 313	SECTION 4RS-5	COUNTY WARREN	TOTAL SHEETS 57	SHEET NO. 26
CONTRACT NO. 68F43			ILLINOIS FED. AID PROJECT	



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	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

SCALE: 1"=50' SHEET 7 OF 13 SHEETS STA. 191+88.73 TO STA. 221+88.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	27
CONTRACT NO. 68F43			ILLINOIS FED. AID PROJECT	



MATCHLINE STA. 221+88.73

222 223 224 225+00 226 227 228 229 230+00 231 232 233 234 235+00 236

MATCHLINE STA. 236+88.73



MATCHLINE STA. 236+88.73

237 238 239 240+00 241 242 243 244 245+00 246 247 248 249 250+00 251

MATCHLINE STA. 251+88.73

STA 245+88 LT. M.B./P.E.
SEE STD 406201-D4

STA 249+92 TO 250+02
HMA SURFACE REMOVAL - BUTT JOINT
= 26.7 SQ. YD.

END OF STAGE 2: STA 250+02
BEGIN OF STAGE 3: STA 250+02

STA 250+02 TO 250+12
HMA SURFACE REMOVAL - BUTT JOINT
= 26.7 SQ. YD.

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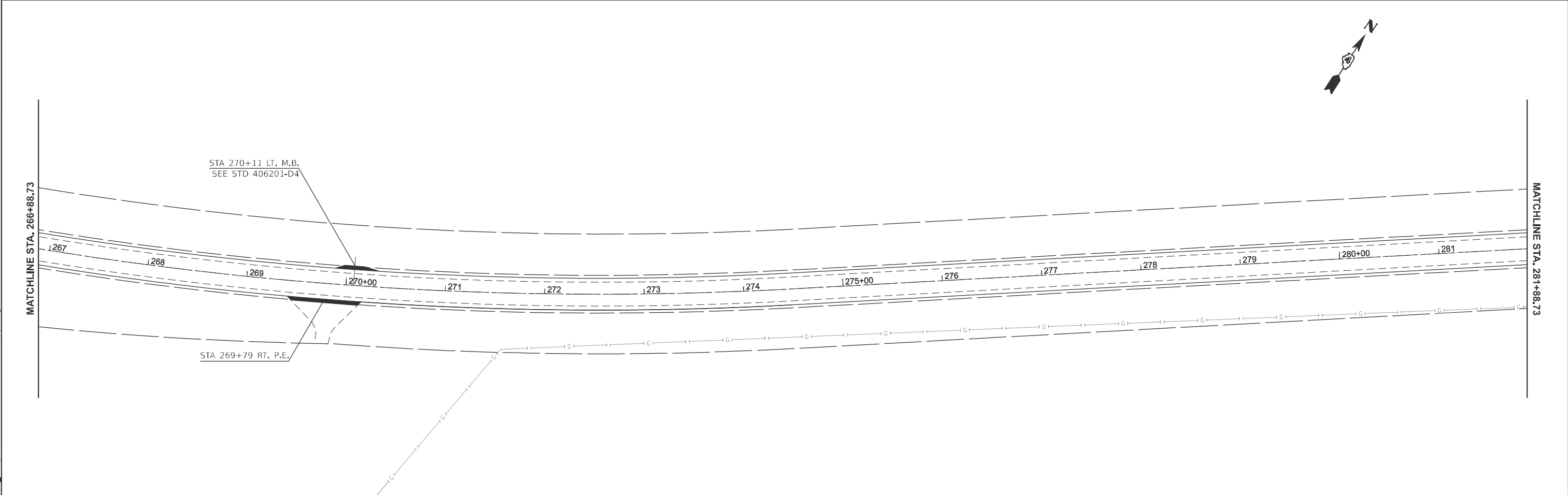
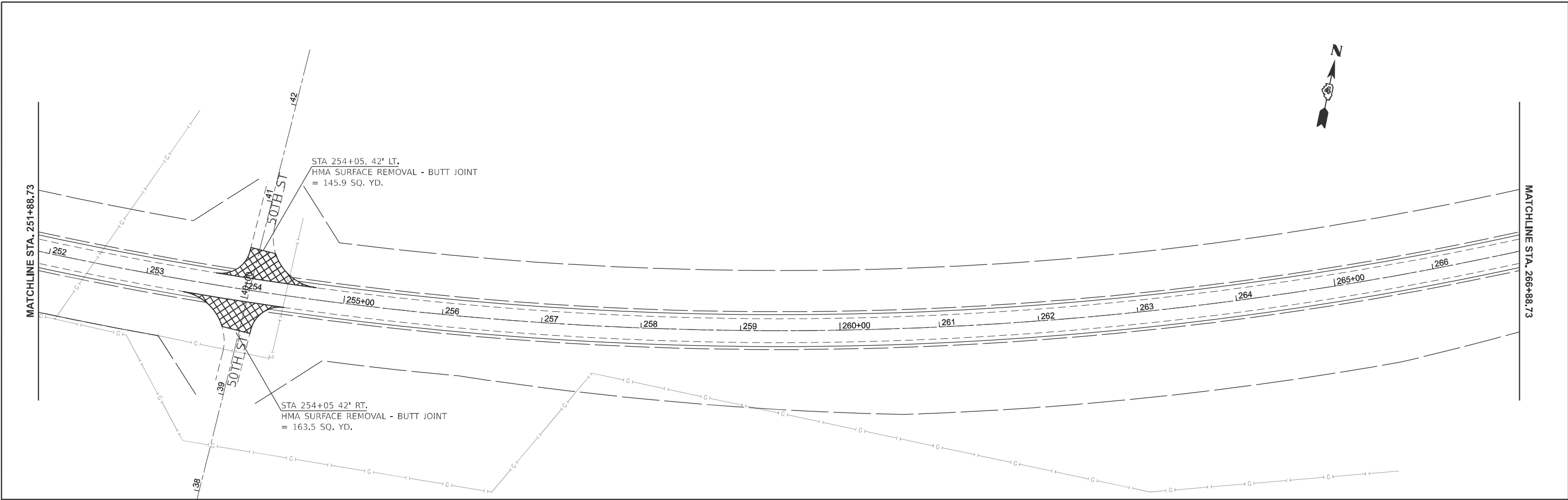
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PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

SCALE: 1"=50' SHEET 8 OF 13 SHEETS STA. 221+88.73 TO STA. 251+88.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	28
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



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USER NAME = kyle.harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

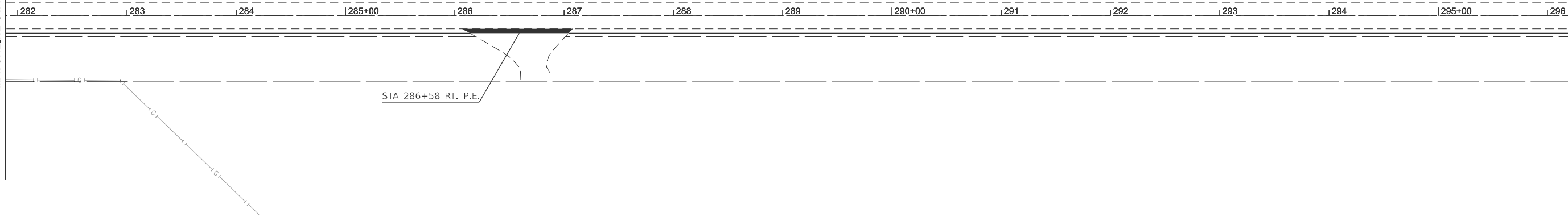
SCALE: 1"=50' SHEET 9 OF 13 SHEETS STA. 251+88.73 TO STA. 281+88.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	29
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



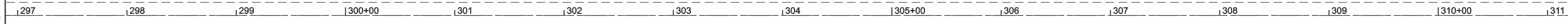
MATCHLINE STA. 281+88.73

MATCHLINE STA. 296+88.73



MATCHLINE STA. 296+88.73

MATCHLINE STA. 311+88.73



MODEL: 68F43-Plan 1 (Sheet)
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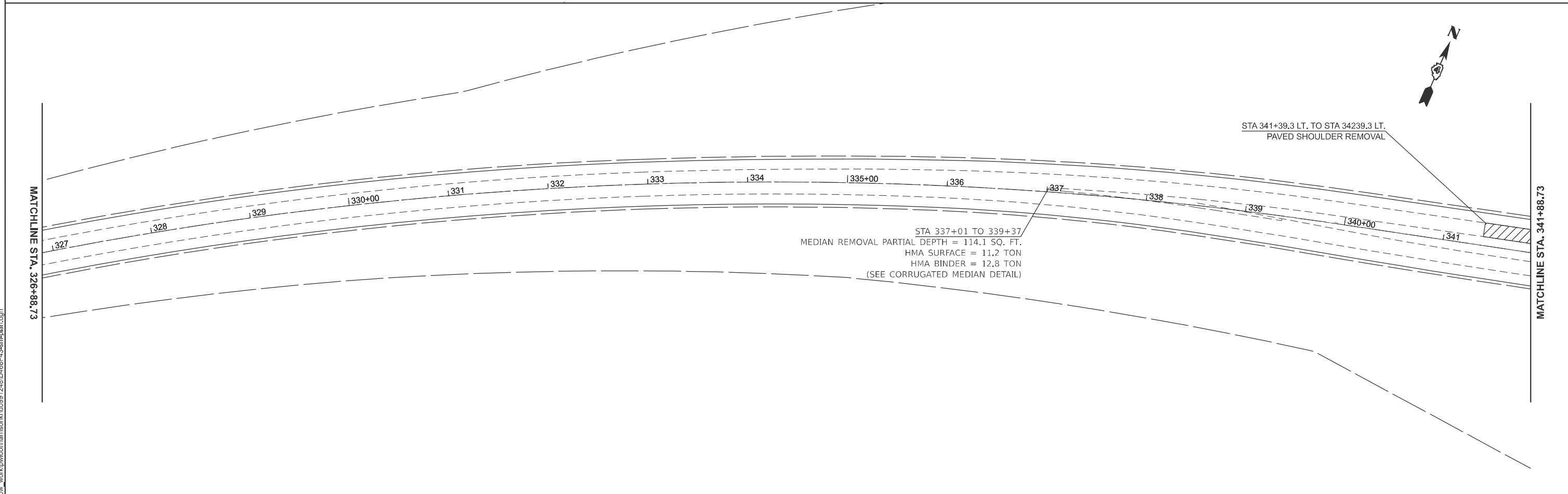
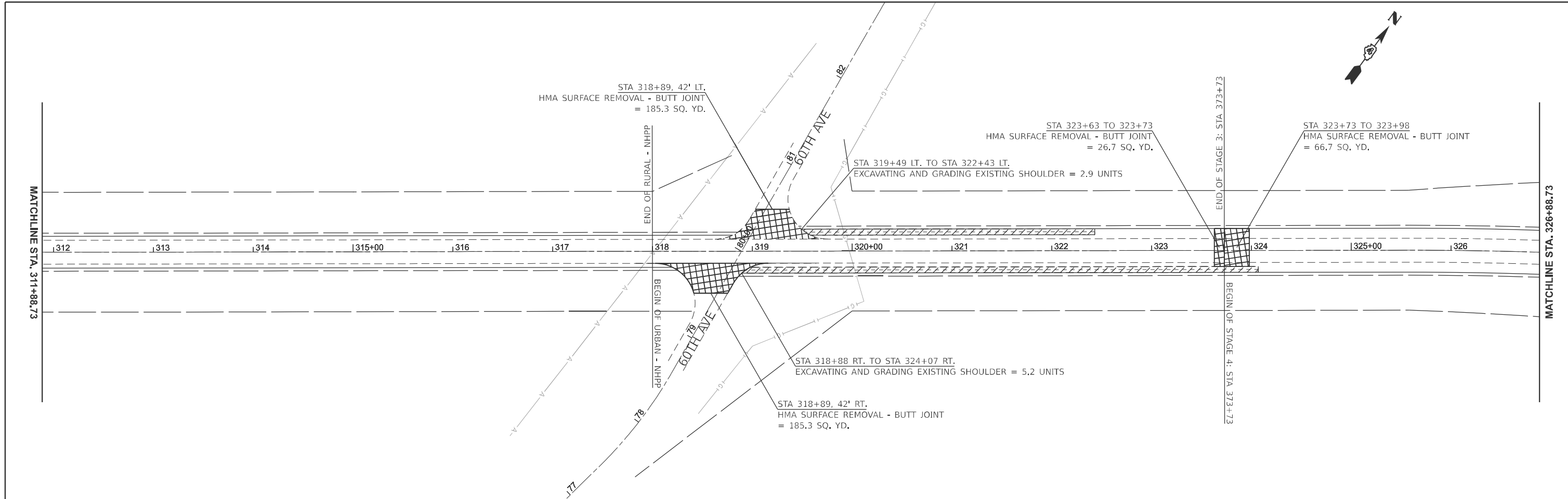
USER NAME = kyle,harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

SCALE: 1"=50' SHEET 10 OF 13 SHEETS STA. 281+88.73 TO STA. 311+88.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	30
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



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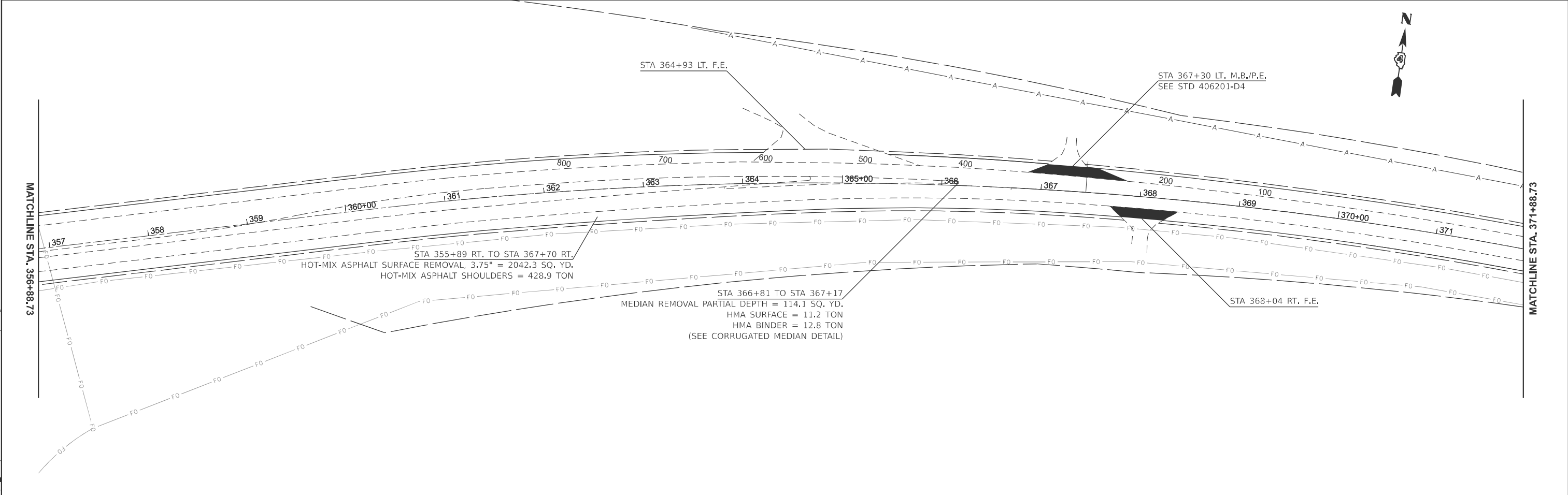
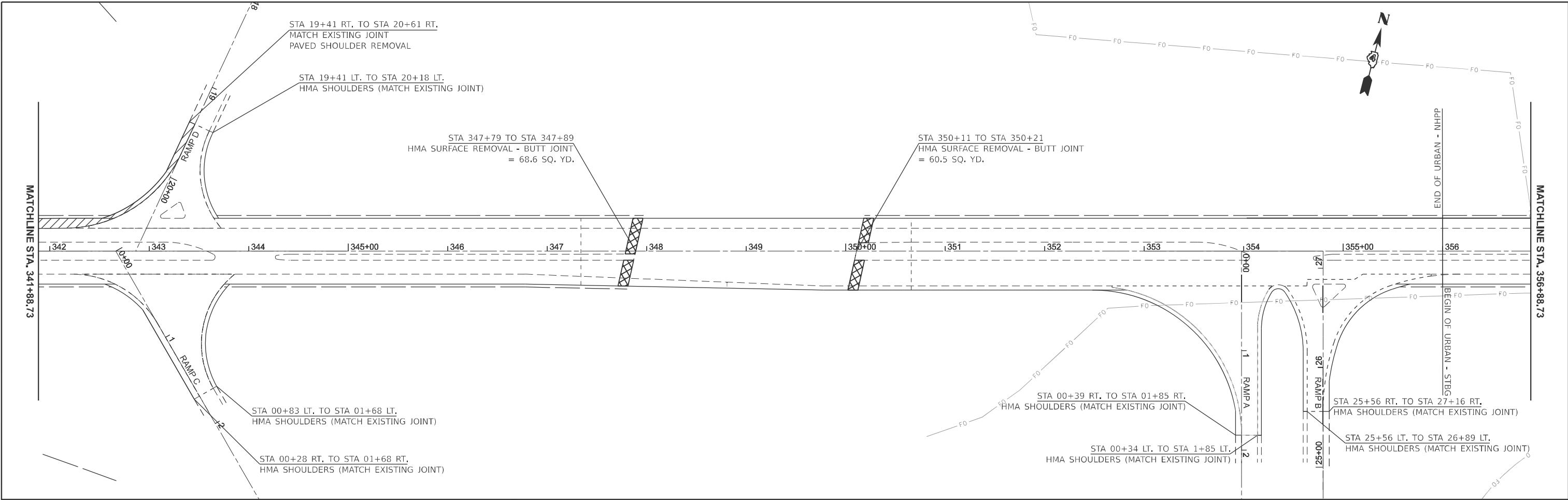
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PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

GENERAL PLAN

SCALE: 1"=50' SHEET 11 OF 13 SHEETS STA. 311+88.73 TO STA. 341+88.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	31
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



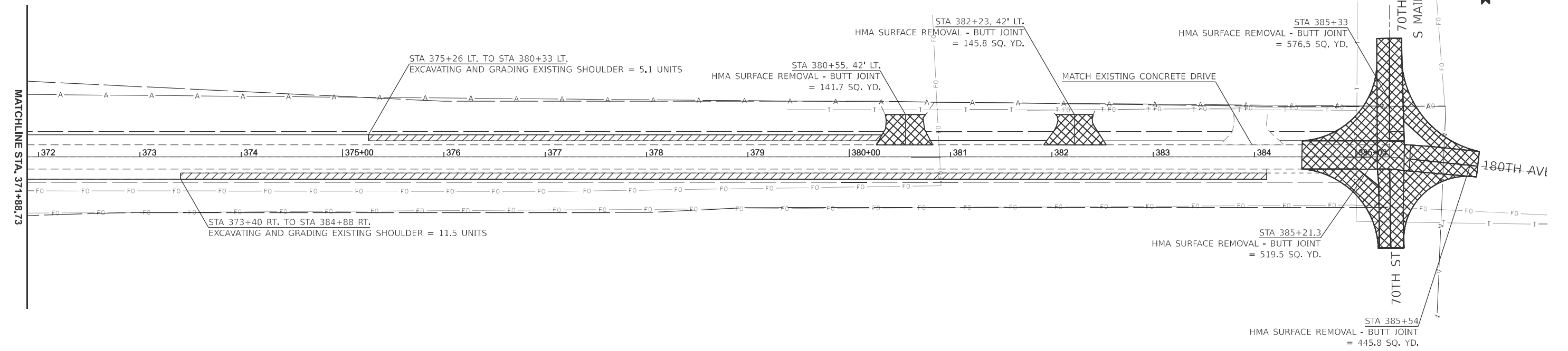
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USER NAME = kyle.harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN			
SCALE: 1"=50'	SHEET 12	OF 13 SHEETS	STA. 341+88.73 TO STA. 371+88.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	32
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



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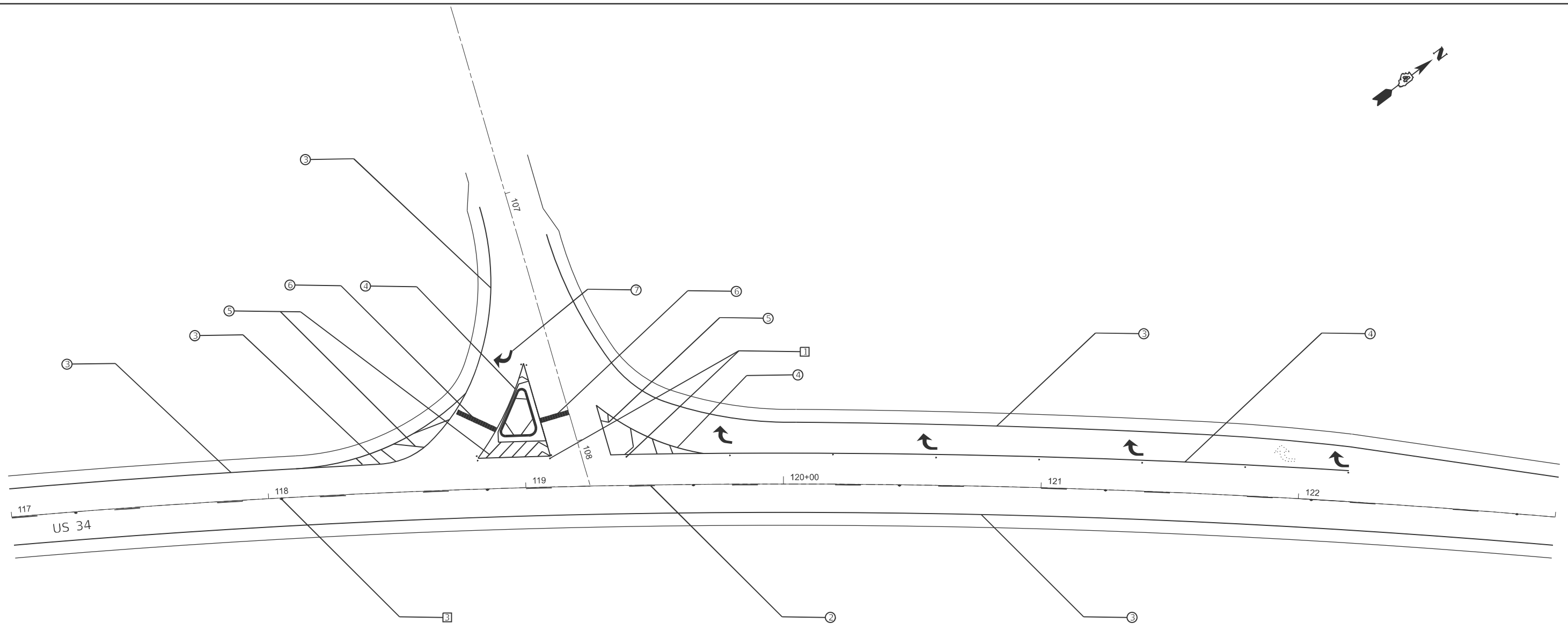
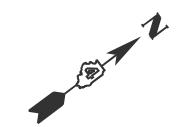
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN

SCALE: 1"=50' SHEET 13 OF 13 SHEETS STA. 371+88.73 TO STA. 386+88.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	33
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① 4" SOLID YELLOW
- ② 4" SKIP DASH YELLOW- SEE STD. 780001-D4 FOR SPACING
- ③ 6" SOLID WHITE
- ④ 8" SOLID WHITE
- ⑤ 12" SOLID WHITE
- ⑥ 24" SOLID WHITE
- ⑦ LETTERS AND SYMBOLS - SEE STD. 780001-d4 FOR SPACING

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) LEGEND

- ① ONE-WAY CRYSTAL MARKERS AT 40' CENTERS
- ② ONE-WAY AMBER MARKER AT 4' CENTERS
- ③ TWO-WAY AMBER MARKER AT 40' CENTERS
- ④ ONE-WAY AMBER MARKER AT 40' CENTERS

NOTE: SEE PAVEMENT MARKING SCHEDULES FOR STATIONS AND QUANTITIES

MODEL: Pavement Marking Sheets-2 - Plan 1 (Sheet)
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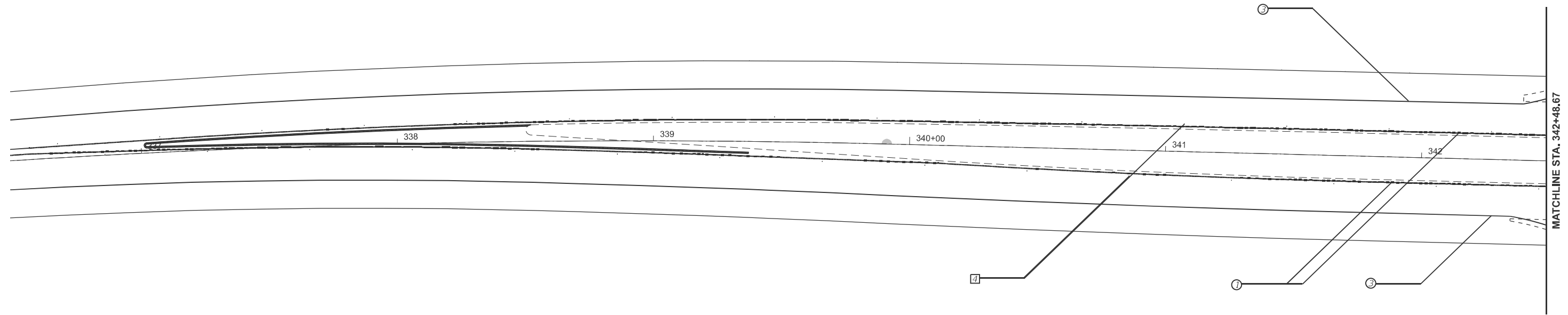
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: 1"=20' SHEET 1 OF 6 SHEETS STA. 117+00.00 TO STA. 123+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	34
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① 4" SOLID YELLOW
- ② 4" SKIP DASH YELLOW- SEE STD. 780001-D4 FOR SPACING
- ③ 6" SOLID WHITE
- ④ 8" SOLID WHITE
- ⑤ 12" SOLID WHITE
- ⑥ 24" SOLID WHITE
- ⑦ LETTERS AND SYMBOLS - SEE STD. 780001-d4 FOR SPACING

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) LEGEND

- ① ONE-WAY CRYSTAL MARKERS AT 40' CENTERS
- ② ONE-WAY AMBER MARKER AT 4' CENTERS
- ③ TWO-WAY AMBER MARKER AT 40' CENTERS
- ④ ONE-WAY AMBER MARKER AT 40' CENTERS

NOTE: SEE PAVEMENT MARKING SCHEDULES FOR STATIONS AND QUANTITIES

MODEL: Pavement Marking Sheets-2 - Plan 2 (Sheet)
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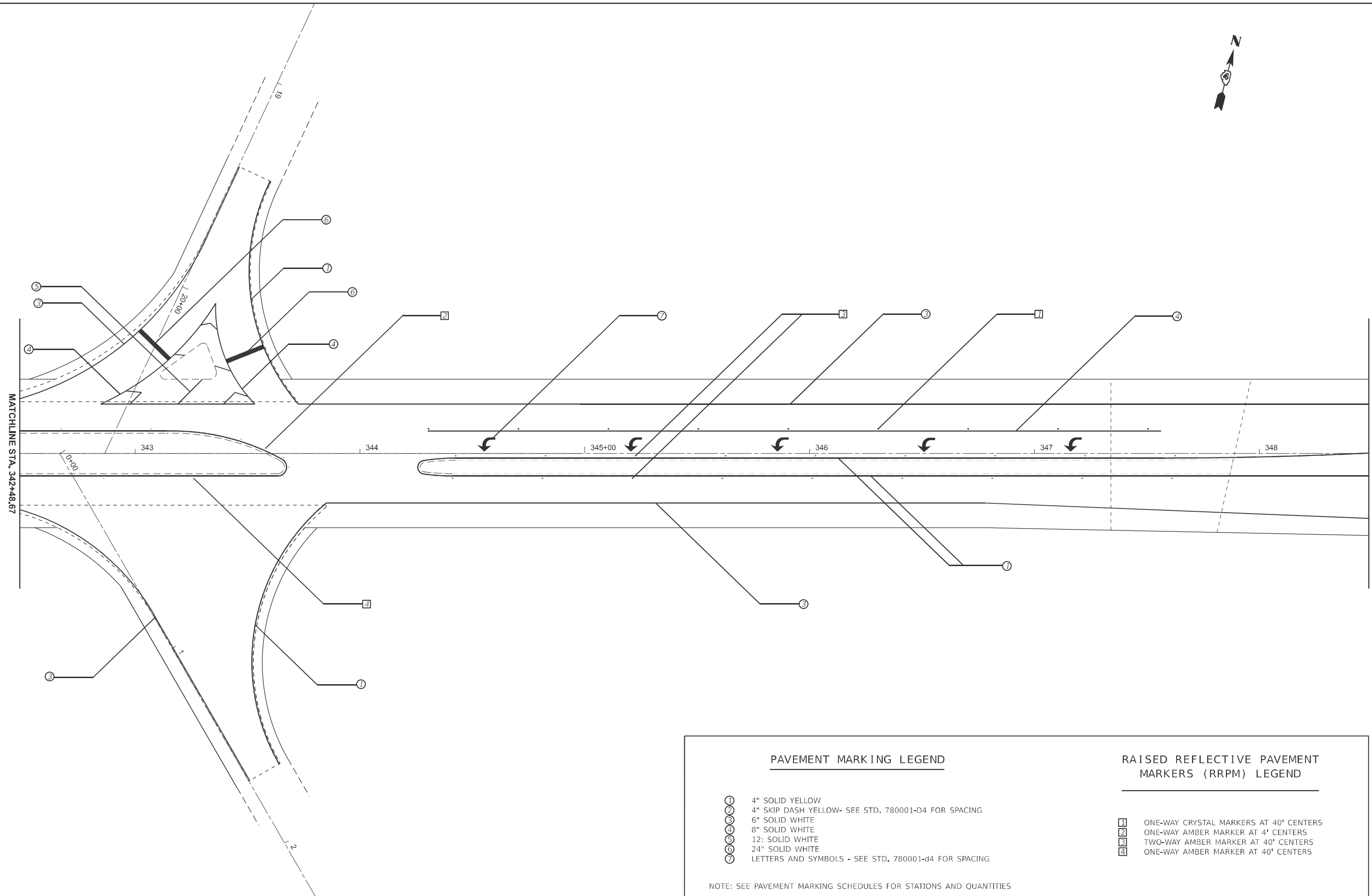
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	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: 1"=20' SHEET 2 OF 6 SHEETS STA. 336+48.67 TO STA. 342+48.67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	35
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND		RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) LEGEND	
①	4" SOLID YELLOW	①	ONE-WAY CRYSTAL MARKERS AT 40' CENTERS
②	4" SKIP DASH YELLOW- SEE STD. 780001-D4 FOR SPACING	②	ONE-WAY AMBER MARKER AT 4' CENTERS
③	6" SOLID WHITE	③	TWO-WAY AMBER MARKER AT 40' CENTERS
④	8" SOLID WHITE	④	ONE-WAY AMBER MARKER AT 40' CENTERS
⑤	12" SOLID WHITE		
⑥	24" SOLID WHITE		
⑦	LETTERS AND SYMBOLS - SEE STD. 780001-d4 FOR SPACING		

NOTE: SEE PAVEMENT MARKING SCHEDULES FOR STATIONS AND QUANTITIES

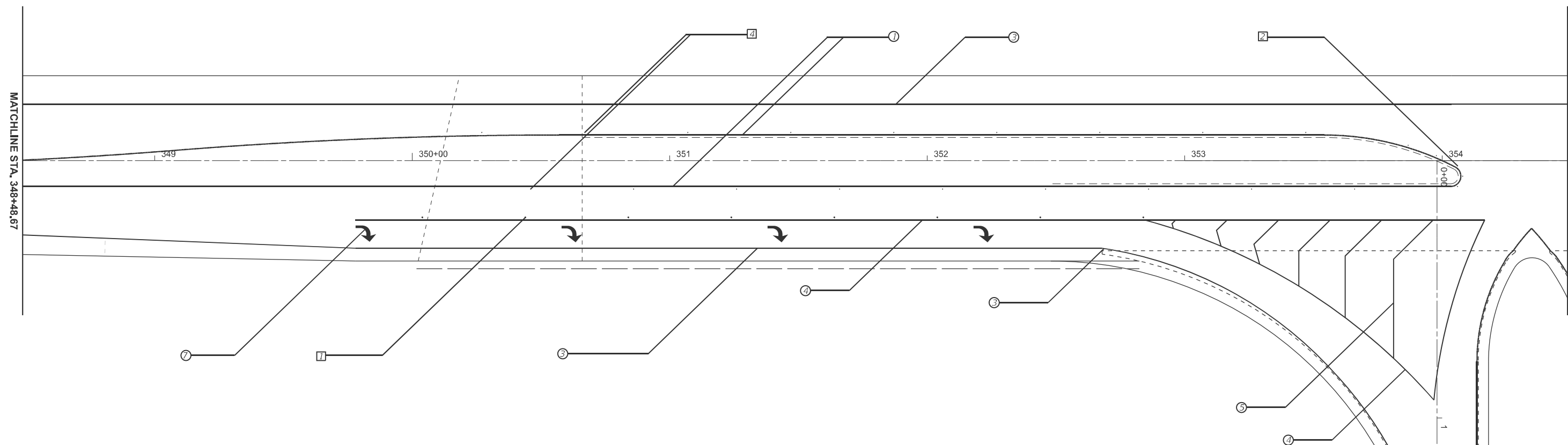
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USER NAME = kyle,harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS			
SCALE: 1"=20'	SHEET 3	OF 6 SHEETS	STA. 342+48.67 TO STA. 348+48.67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	36
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① 4" SOLID YELLOW
- ② 4" SKIP DASH YELLOW- SEE STD. 780001-D4 FOR SPACING
- ③ 6" SOLID WHITE
- ④ 8" SOLID WHITE
- ⑤ 12" SOLID WHITE
- ⑥ 24" SOLID WHITE
- ⑦ LETTERS AND SYMBOLS - SEE STD. 780001-d4 FOR SPACING

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) LEGEND

- ① ONE-WAY CRYSTAL MARKERS AT 40' CENTERS
- ② ONE-WAY AMBER MARKER AT 4' CENTERS
- ③ TWO-WAY AMBER MARKER AT 40' CENTERS
- ④ ONE-WAY AMBER MARKER AT 40' CENTERS

NOTE: SEE PAVEMENT MARKING SCHEDULES FOR STATIONS AND QUANTITIES

MODEL: Pavement Marking Sheets-2 - Plan 4 (Sheet)
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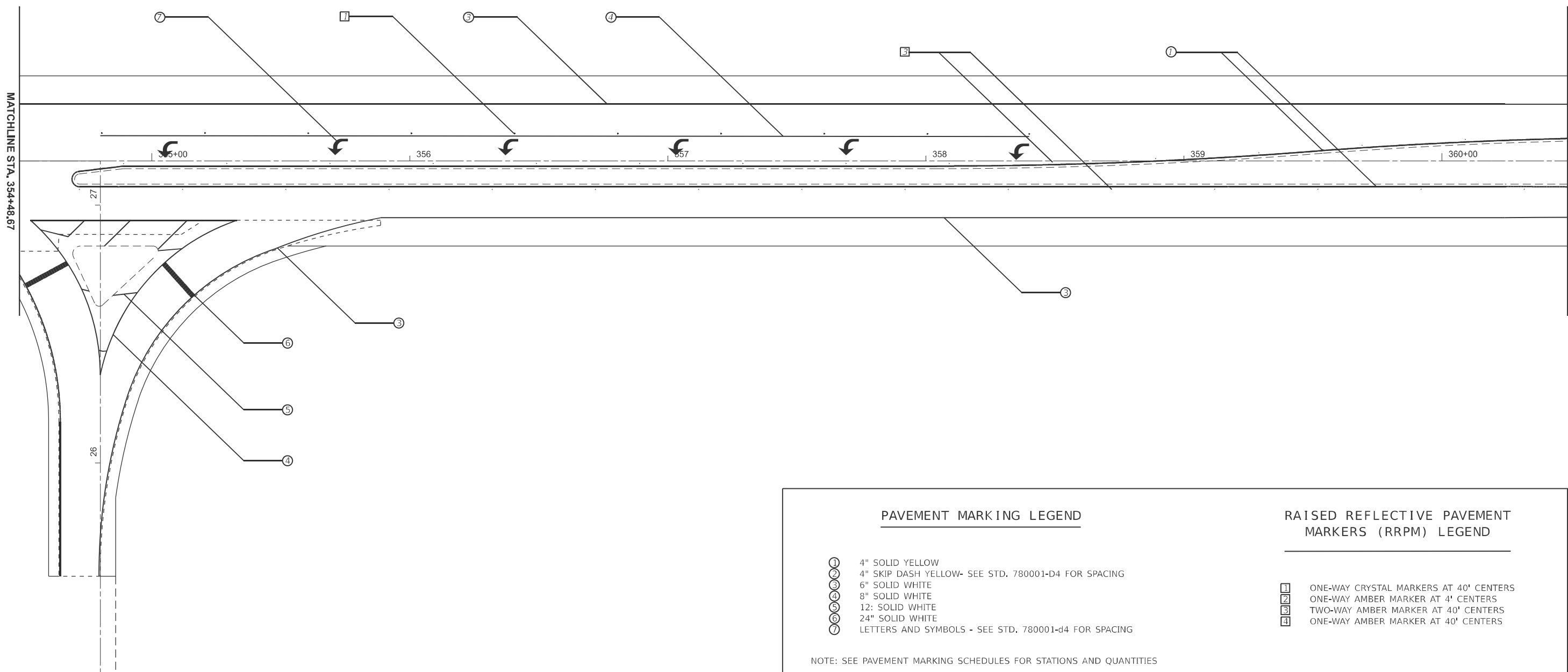
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/17/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. 348+48.67 TO STA. 354+48.67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	37
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKING LEGEND

- ① 4" SOLID YELLOW
- ② 4" SKIP DASH YELLOW- SEE STD. 780001-D4 FOR SPACING
- ③ 6" SOLID WHITE
- ④ 8" SOLID WHITE
- ⑤ 12" SOLID WHITE
- ⑥ 24" SOLID WHITE
- ⑦ LETTERS AND SYMBOLS - SEE STD. 780001-d4 FOR SPACING

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) LEGEND

- ① ONE-WAY CRYSTAL MARKERS AT 40' CENTERS
- ② ONE-WAY AMBER MARKER AT 4' CENTERS
- ③ TWO-WAY AMBER MARKER AT 40' CENTERS
- ④ ONE-WAY AMBER MARKER AT 40' CENTERS

NOTE: SEE PAVEMENT MARKING SCHEDULES FOR STATIONS AND QUANTITIES

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

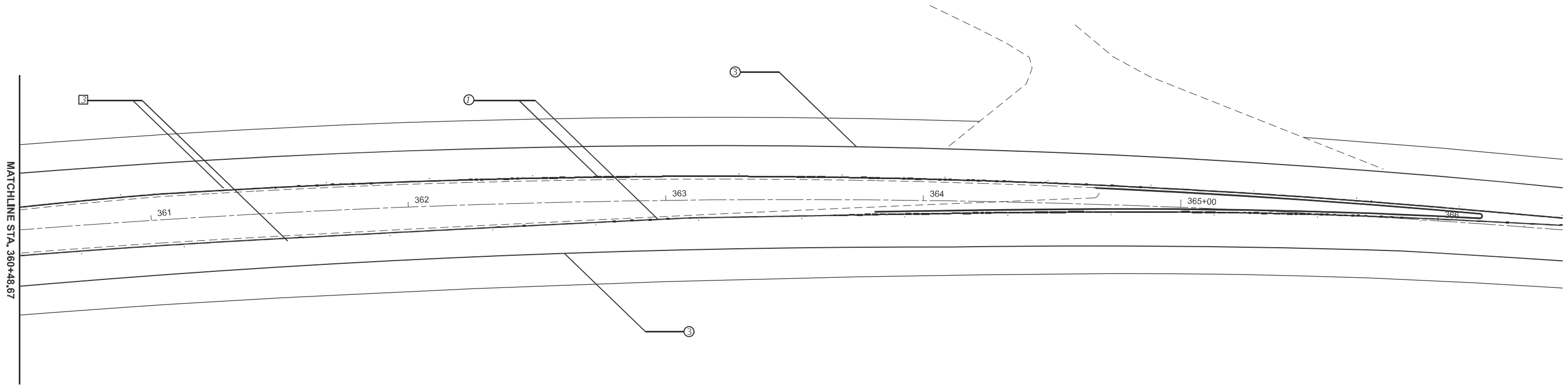
PAVEMENT MARKING DETAILS

SCALE: 1"=20' SHEET 5 OF 6 SHEETS STA. 354+48.67 TO STA. 360+48.67

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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	38
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

MODEL: Pavement Marking Sheets-2 - Plan 5 (Sheet)
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PAVEMENT MARKING LEGEND

- ① 4" SOLID YELLOW
- ② 4" SKIP DASH YELLOW- SEE STD. 780001-D4 FOR SPACING
- ③ 6" SOLID WHITE
- ④ 8" SOLID WHITE
- ⑤ 12" SOLID WHITE
- ⑥ 24" SOLID WHITE
- ⑦ LETTERS AND SYMBOLS - SEE STD. 780001-d4 FOR SPACING

RAISED REFLECTIVE PAVEMENT MARKERS (RRPM) LEGEND

- ① ONE-WAY CRYSTAL MARKERS AT 40' CENTERS
- ② ONE-WAY AMBER MARKER AT 4' CENTERS
- ③ TWO-WAY AMBER MARKER AT 40' CENTERS
- ④ ONE-WAY AMBER MARKER AT 40' CENTERS

NOTE: SEE PAVEMENT MARKING SCHEDULES FOR STATIONS AND QUANTITIES

MODEL: Pavement Marking Sheets-2 - Plan 6 (Sheet)
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PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

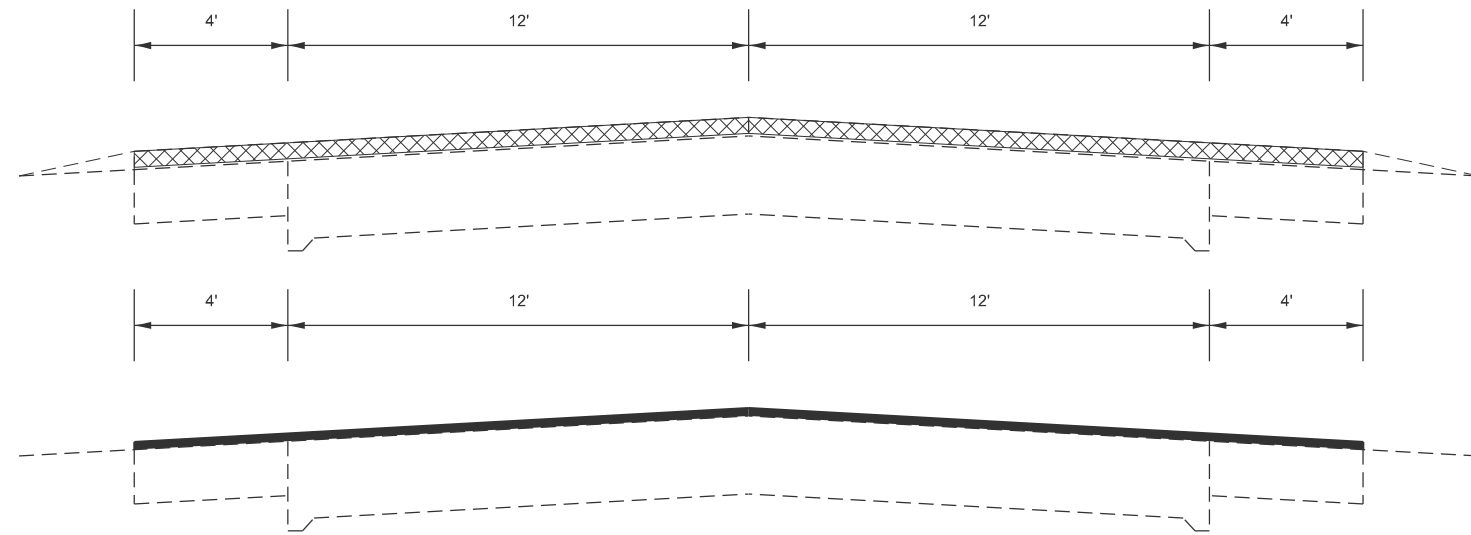
PAVEMENT MARKING DETAILS

SCALE: 1"=20' SHEET 6 OF 6 SHEETS STA. 360+48.67 TO STA. 366+48.67

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	39
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

STAGE I

STA. 11+90 TO STA. 137+84

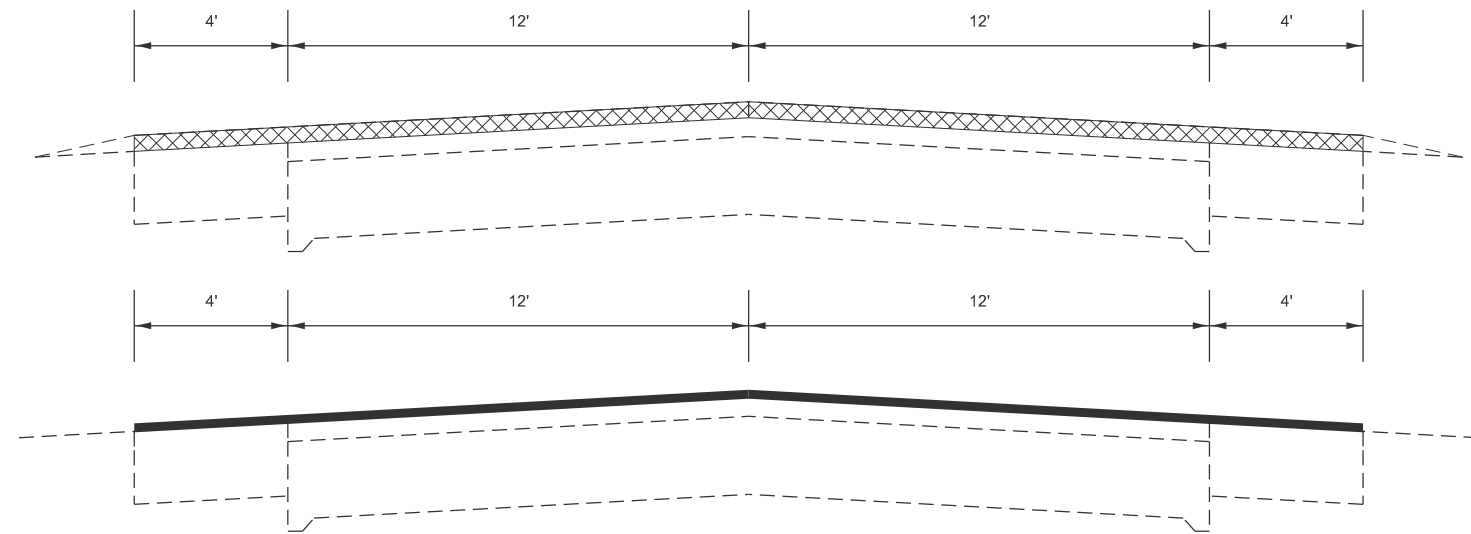


1. 2.5" MILL (SHALL INCLUDE MILLING INTO CONCRETE TO PROVIDE TEXTURE, APROX. 0.25")
(NO MORE THAN 1.5 MILES OF PCC PAVEMENT SHALL BE EXPOSED AT ONE TIME.)
2. COMPLETE CLASS C PATCHING (SPECIAL) AND PARTIAL DEPTH PATCHING (SHOULDER)

3. APPLY 2" BINDER WITHIN TWO WEEKS OF MILLING.
*(4' SHOULDERS SHALL BE CONSTRUCTED SIMUTANEOUSLY WITH MAINLINE)

STAGE II

STA. 137+84 TO STA. 250+02



1. 2.5" MILL
2. COMPLETE 2" PARTIAL DEPTH PATCHING

3. APPLY 2" BINDER WITHIN TWO WEEKS OF MILLING.
*(4' SHOULDERS SHALL BE CONSTRUCTED SIMUTANEOUSLY WITH MAINLINE)

NOT TO SCALE

MODEL: Typical Sections (Sheet) - 1
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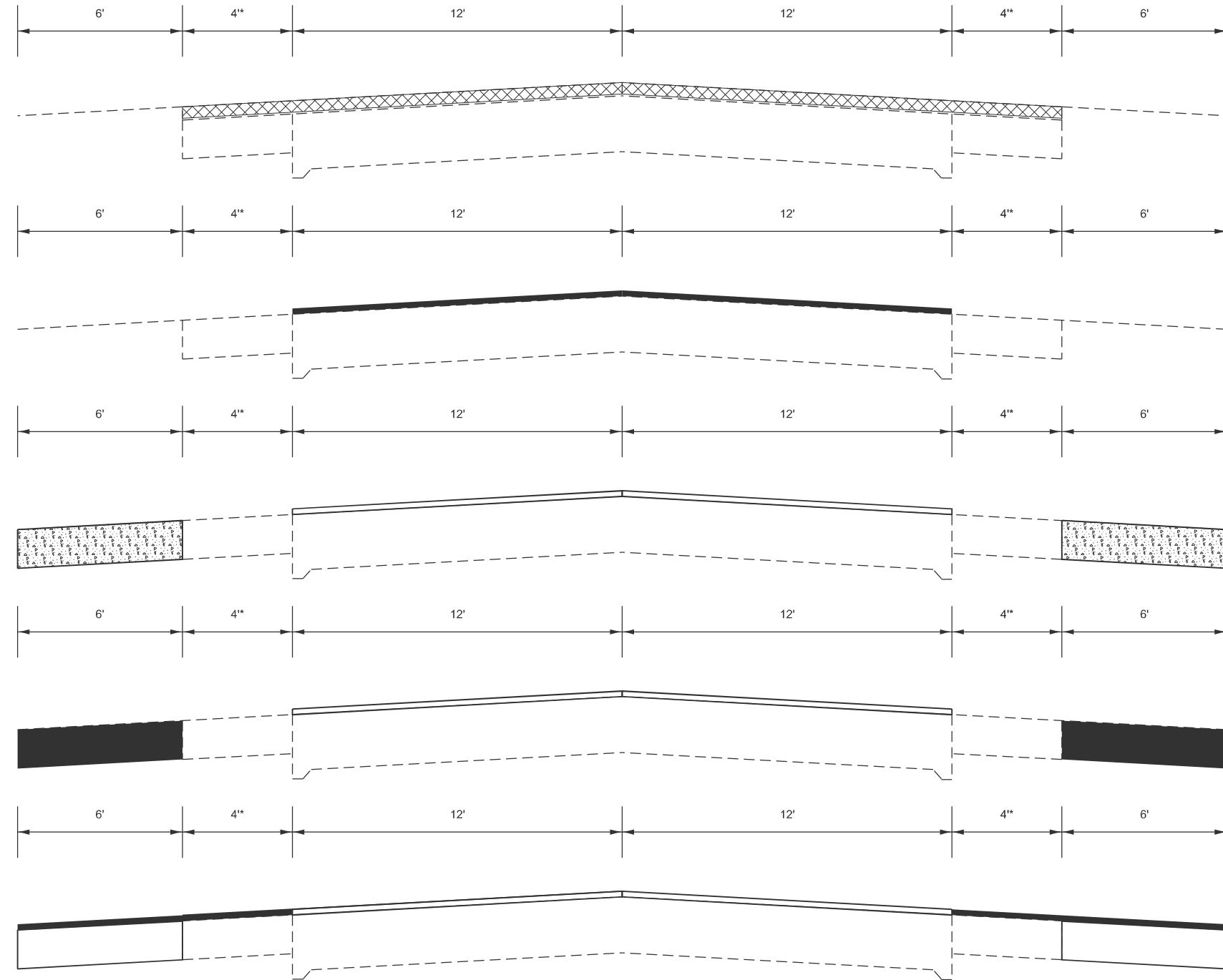
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PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVING SEQUENCE


SCALE: N/A SHEET 1 OF 4 SHEETS STA. 11+90 TO STA. 250+02

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	40
			CONTRACT NO. 68F43	
		ILLINOIS FED. AID PROJECT		




STAGE III

STA. 250+02 TO STA. 323+75
 (CROSS SECTIONS SHOWN FOR PROPOSED 10' SHOULDERS
 FOR 4' SHOULDER SEE STAGE I SEQUENCE)

1. 2.5" MILL 
 (SHALL INCLUDE MILLING INTO CONCRETE TO PROVIDE TEXTURE, APROX. 0.25")
2. COMPLETE CLASS C PATCHING (SPECIAL) AND PARTIAL DEPTH PATCHING (SHOULDERS)

3. APPLY 2" BINDER MAINLINE WITHIN TWO WEEKS OF MILLING.
 *(4' SHOULDERS SHALL BE CONSTRUCTED SIMUTANEOUSLY WITH MAINLINE)

4. EXCAVATE AND GRADE SHOULDERS (SPECIAL) 
 (SEE SCHEDULES FOR STATIONS)

5. PLACE 4.25" HMA SHOULDER (SEE SCHEDULE FOR STATIONS)

6. PLACE 2" BINDER SHOULDER
 *(4' SHOULDERS SHALL BE CONSTRUCTED SIMUTANEOUSLY WITH MAINLINE)

NOT TO SCALE

MODEL: Typical Sections (Sheet) - 2
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USER NAME = nataliegh.richardson	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/10/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVING SEQUENCE

SCALE: N/A SHEET 2 OF 4 SHEETS STA. 250+02 TO STA. 323+75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	41
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

STAGE IV
 STA. 323+75 TO STA. 386+21
 (CROSS SECTIONS SHOWN FOR PROPOSED 10' SHOULDERS)

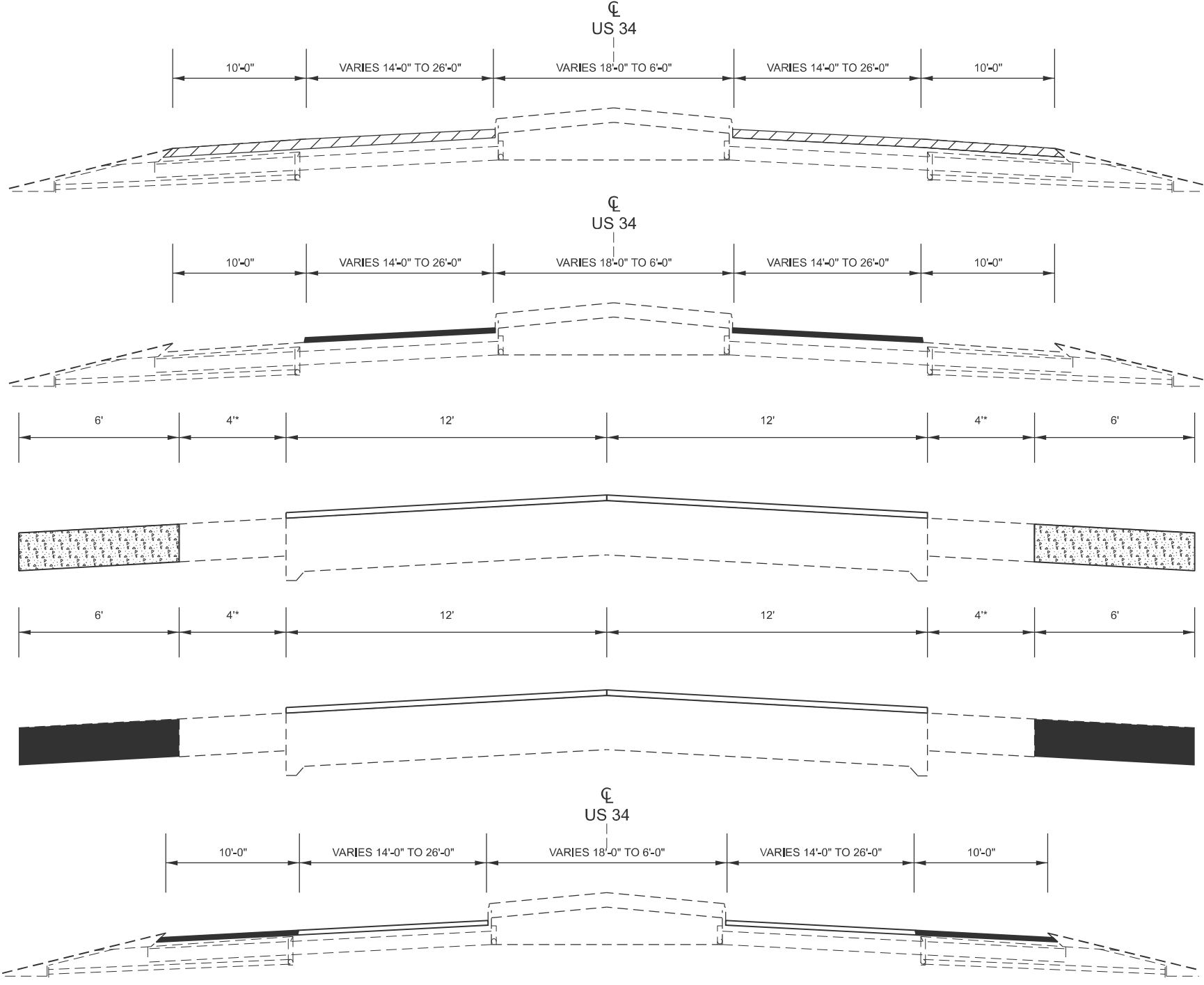
- 1. 3.75" MILL 
- 2. PARTIAL DEPTH PATCHING 

- 2. PLACE BINDER 2" MAINLINE APPLY WITHIN TWO WEEKS OF MILLING.

- 3. EXCAVATE AND GRADE SHOULDERS (SPECIALS) (SEE SCHEDULES FOR STATIONS) 

- 4. PLACE HMA SHOULDER 4.25" (SEE SCHEDULE FOR LOCATIONS)

- 5. PLACE BINDER 2" SHOULDER



NOT TO SCALE

MODEL: Typical Sections (Sheet) - 3
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	DRAWN -	REVISED -
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PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

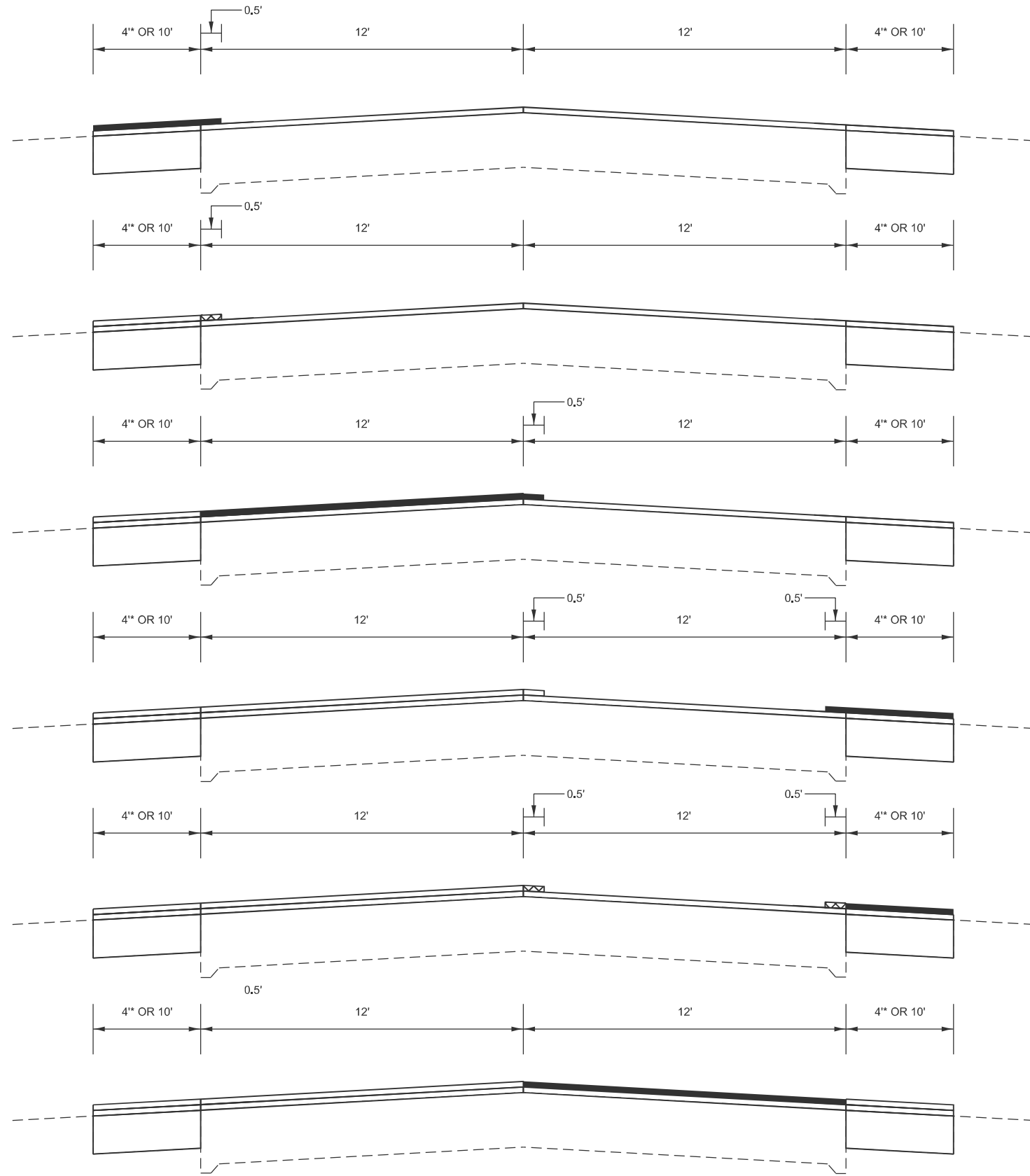
PAVING SEQUENCE

SCALE: N/A SHEET 3 OF 4 SHEETS STA. 323+75 TO STA. 386+21

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	42
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

STAGE V

JOBSITE: STA. 11+90 TO STA. 386+21
(CROSS SECTIONS SHOWN FOR 10' SHOULDERS)



1. PLACE 1.75" SURFACE ON 10' SHOULDER
EXTENDING 6" INTO MAINLINE (SEE SCHEDULE FOR LOCATIONS)

2. JOINT TRIM 10' SHOULDER (SEE SCHEDULE FOR LOCATIONS)
(PAID FOR AS HOT MIX ASPHALT SURFACE REMOVAL, SPECIAL)



3. PLACE 1.75" SURFACE ON MAINLINE
EXTENDING 6" INTO THE OPPOSITE LANE
*(4' SHOULDERS SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH MAINLINE)

4. PLACE 1.75" SURFACE ON 10' SHOULDER
EXTENDING 6" INTO MAINLINE (SEE SCHEDULE FOR LOCATIONS)

5. JOINT TRIM 10' CENTERLINE AND SHOULDER (SEE SCHEDULE FOR LOCATIONS)
(PAID FOR AS HOT MIX ASPHALT SURFACE REMOVAL, SPECIAL)



6. PLACE 1.75" SURFACE ON MAINLINE
*(4' SHOULDERS SHALL BE CONSTRUCTED SIMULTANEOUSLY WITH MAINLINE)

NOT TO SCALE

MODEL: Typical Sections (Sheet) - 4
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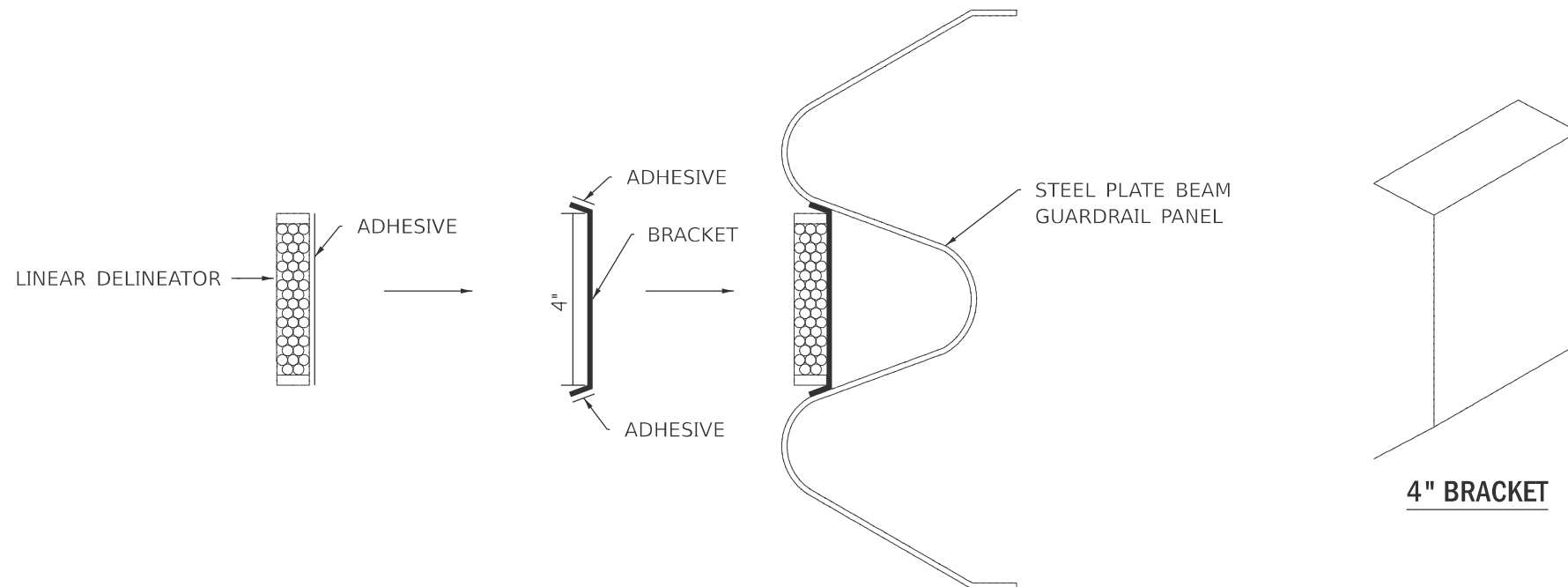
USER NAME = kyle.harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVING SEQUENCE

SCALE: N/A SHEET 4 OF 4 SHEETS STA. 11+90 TO STA. 386+21

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	43
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



LINEAR DELINEATOR APPLICATION TO STANDARD GALVANIZED GUARDRAIL

LINEAR DELINEATOR SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS

SEE LINEAR DELINEATOR PANELS, 4 INCH
SPECIAL PROVISION FOR ADDITIONAL DETAILS

NOT TO SCALE

MODEL: Details (Sheet) - 1
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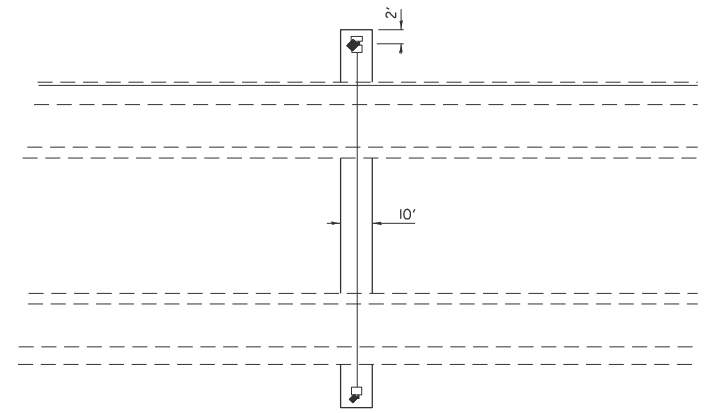
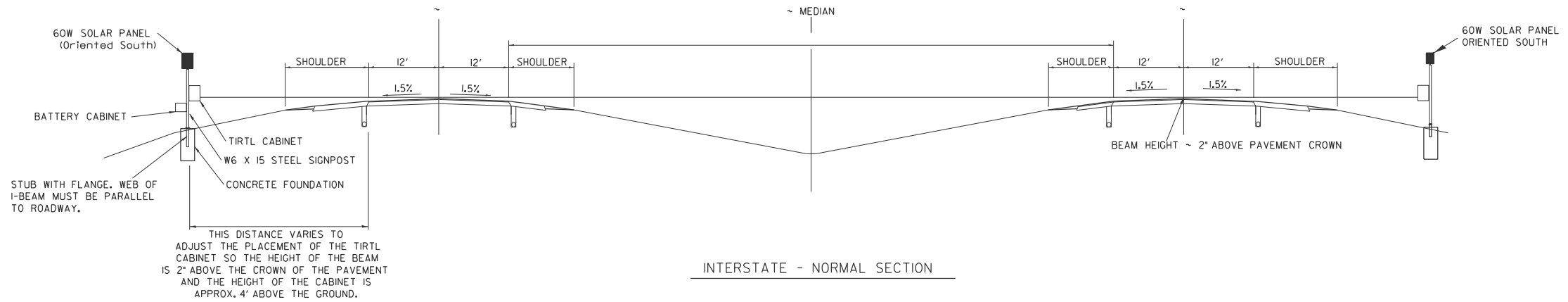
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LINEAR DELINEATOR DETAIL

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	44
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

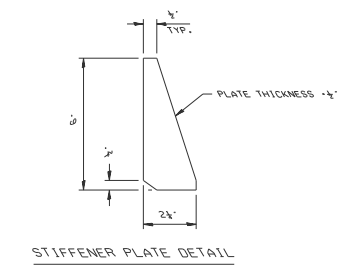
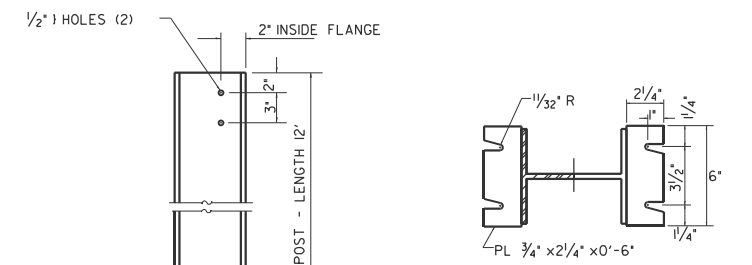
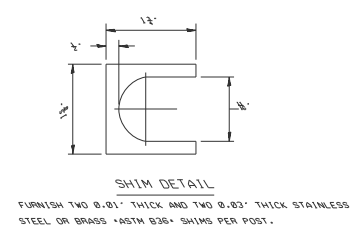
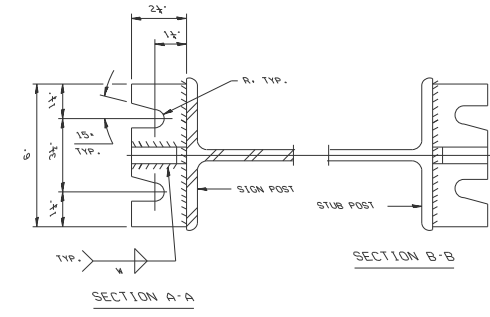
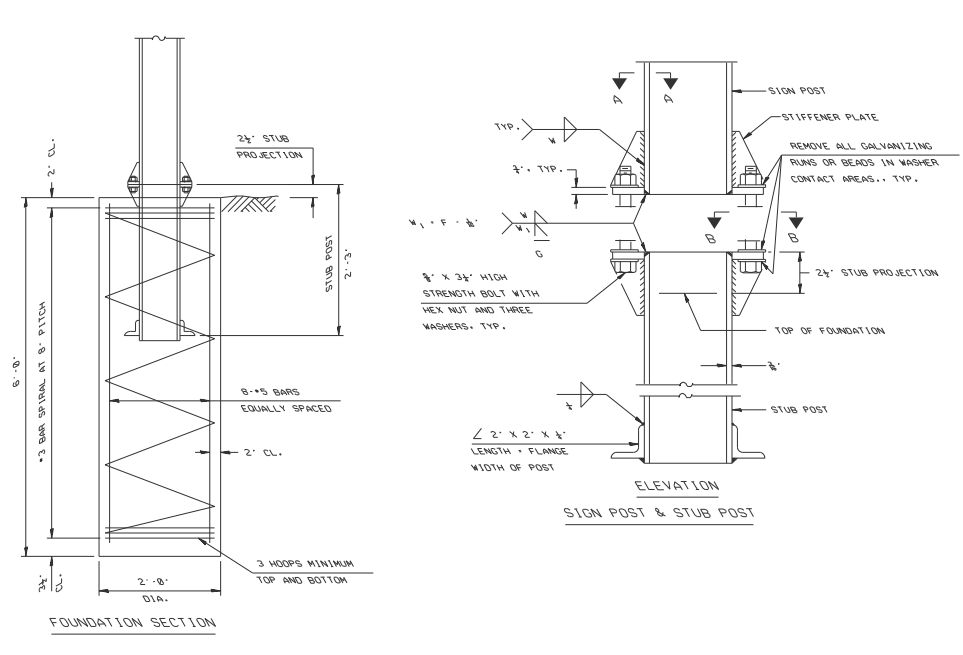


Weed Barrier - PCC concrete shall be placed as shown 8' to 10' wide and 4" thick as per the special provision

- NOTES:
1. SYSTEM CONSISTS OF TWO W6 X 15 I-BEAM SIGNPOSTS WITH CONCRETE FOUNDATION AND A FLANGE WITH BREAKAWAY BOLTS
 2. THE I-BEAMS ARE 12' LONG AND DRILLED AS PER THE I-BEAM DETAIL TO ACCOMMODATE A PIPE TO ALLOW THE MOUNTING OF THE SOLAR PANEL.
 3. THE WEB OF THE I-BEAM IS TO BE PLACED PARALLEL TO THE LANES.
 4. THE TWO POSTS MUST BE PLACED DIRECTLY ACROSS FROM EACH OTHER AND PERPENDICULAR TO THE LANES.
 5. TWO POSTS ARE REQUIRED LOCATED AS PER THE ENGINEER AND DRAWING.
 6. THE CABINETS ARE ATTACHED TO THE I-BEAM USING 8" GALVANIZED J-BOLTS.
 7. THE BOTTOM OF THE CABINET HEIGHT MUST BE NO LOWER THAN 4' ABOVE THE GROUND AND BE ABLE TO VIEW ACROSS ALL LANES AT THE CROWN OF THE PAVEMENT.
 8. THE IDOT OFFICE OF PLANNING AND PROGRAMMING DATA MANAGEMENT LAB RICH MARX (217-782-2065) MUST BE NOTIFIED TWO WEEKS PRIOR TO THE LAYOUT AND MUST BE PRESENT DURING THE LAYOUT AND PLACEMENT OF THE POST FOUNDATIONS.

TIRTL TRAFFIC COUNTER SCHEDULE OF QUANTITIES (FOR INFORMATION ONLY)

CODE NUMBER	ITEM	UNIT	QUANTITY
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	520
73400100	CONCRETE FOUNDATIONS	CU YD	1.4
X0320089	TRAFFIC COUNTER - TIRTL SYSTEM (INCLUDES BELOW)	EACH	1
TIRTL TRAFFIC DATA COLLECTION SYSTEM INCLUDES:			
	Sierra Wireless Modem RV-50	EACH	1
	Panorama Low Profile LTE MiMo LGAM-BC3G-26-3SP Antenna	EACH	1
	TIRTL CABINET 15' X 27' X 16"	EACH	2
	BATTERY CABINET 16.5' X 16' X 11.5" BBAIM w/ #2 Police Lock	EACH	1
	SOLAR PANEL 60 W 12 VDC with Bracket and junction box	EACH	2
	TIRTL TRAFFIC COUNTER	EACH	1
	SUNSAVER SOLAR CHARGE REGULATOR 10 AMP 12 VDC	EACH	2
	BATTERY - 34 AH ABSORBED ELECTROLYTE 8" X 5.5" X 7" (DEEP CYCLE)	EACH	1
	BATTERY -104AH ABSORBED ELECTROLYTE 10" X 6" X 8" (DEEP CYCLE)	EACH	1



GENERAL NOTES

POSTS SHALL BE PLUMBED BY USING SHIMS WITH POST-TO-STUB POST CONNECTION BOLTS SNUG TIGHT ONLY. FINAL TIGHTENING OF ALL HIGH STRENGTH BOLTS SHALL BE IN ACCORDANCE WITH ARTICLE 727.05 AND THREADS AT THE JUNCTION OF THE BOLT AND NUT SHALL BE BURRED OR CENTER PUNCHED TO PREVENT THE NUT FROM LOOSENING.

LOADING: 80 M.P.H. WIND WITH 30% GUST FACTOR. NORMAL TO SIGN.

DESIGN STRESSES:

- STRUCTURAL STEEL - 20,000 P.S.I.
- REINFORCING STEEL - 20,000 P.S.I.
- CONCRETE - 1,400 P.S.I.
- FOOTING SOIL PRESSURE - 2,000 P.S.F.

AFTER FABRICATION, THE POST AND UPPER 6" MIN. OF THE STUB POST SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M111. ALL BOLTS, NUTS AND WASHERS SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH AASHTO M232.

BREAK-AWAY WIDE FLANGE STEEL POST DETAILS

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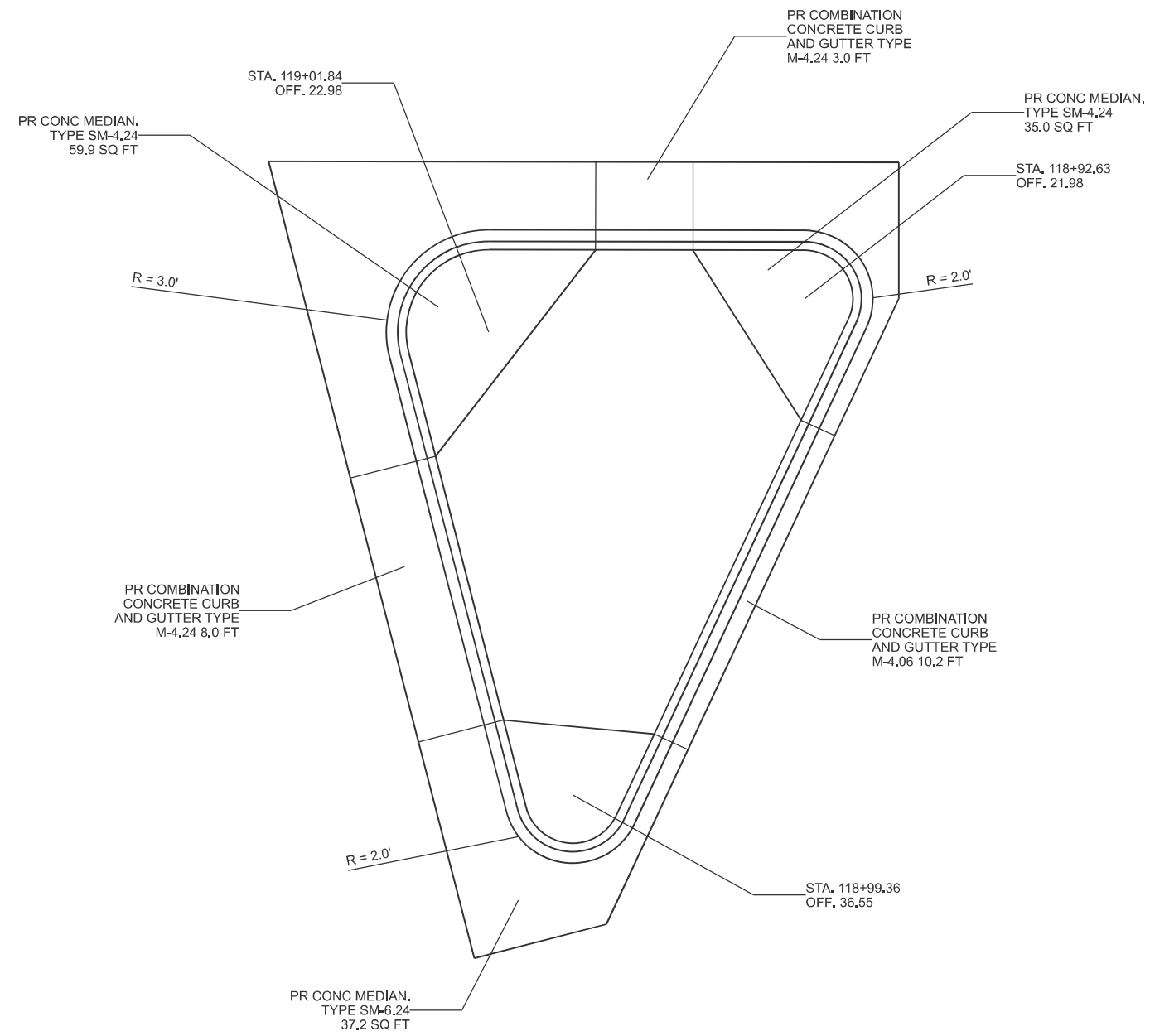
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC COUNTER DETAIL

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 313	SECTION 4RS-5	COUNTY WARREN	TOTAL SHEETS 57	SHEET NO. 45
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



NOT TO SCALE

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	DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ISLAND DETAIL

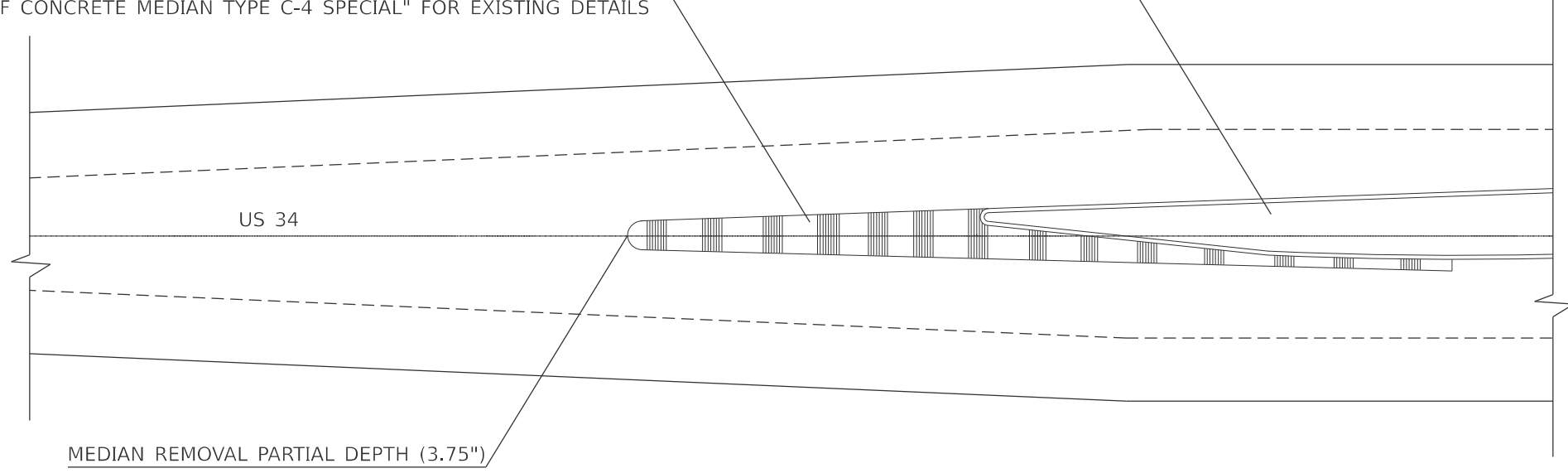
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	46
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



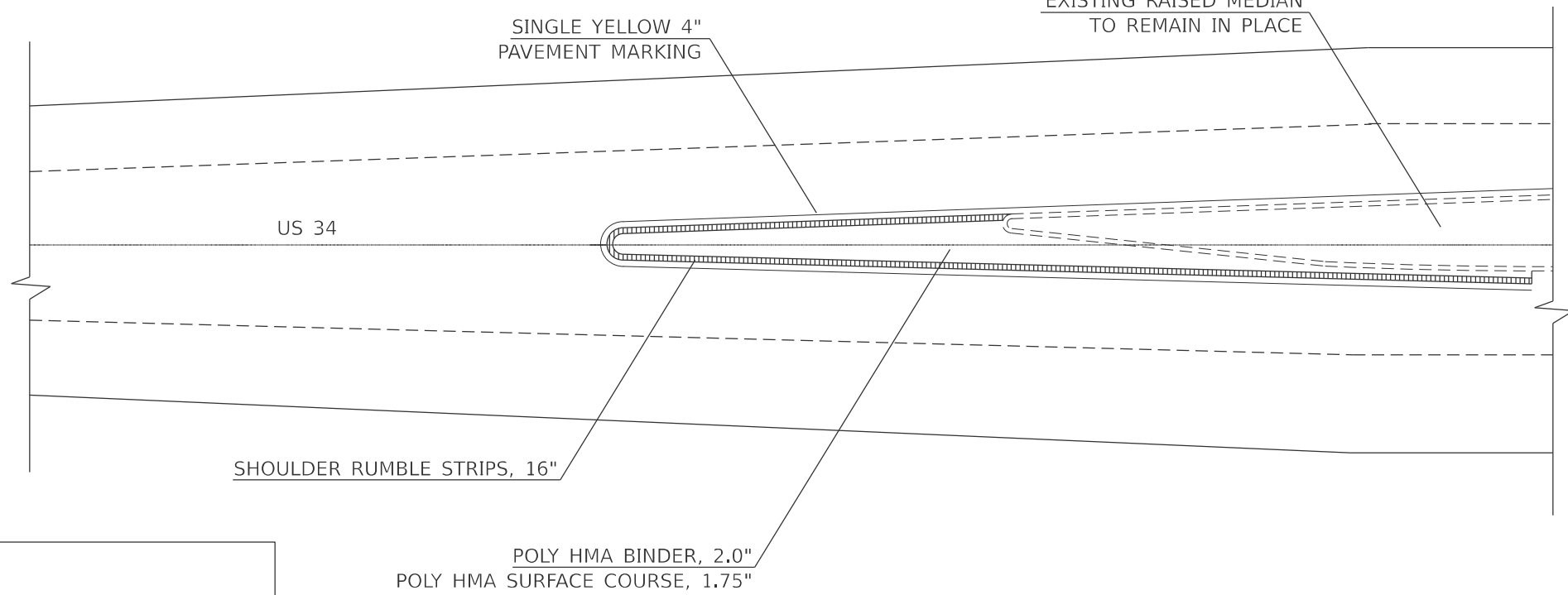
EXISTING CONCRETE CORRUGATED MEDIAN
SEE FOR INFORMATION ONLY SHEETS "STANDARD 2122-12"
AND "DETAIL OF CONCRETE MEDIAN TYPE C-4 SPECIAL" FOR EXISTING DETAILS

EXISTING RAISED MEDIAN
TO REMAIN IN PLACE



EXISTING MEDIAN DETAIL

EXISTING RAISED MEDIAN
TO REMAIN IN PLACE



PROPOSED MEDIAN DETAIL

NOTE:

1. RUMBLE STRIPS SHALL BE PLACED IN ACCORDANCE WITH HIGHWAY STANDARD 642001.
2. PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH HIGHWAY STANDARD 780001 AND DISTRICT STANDARD 780001-D4.
3. MEDIAN REMOVAL PARTIAL DEPTH IS 3.75".

NOT TO SCALE

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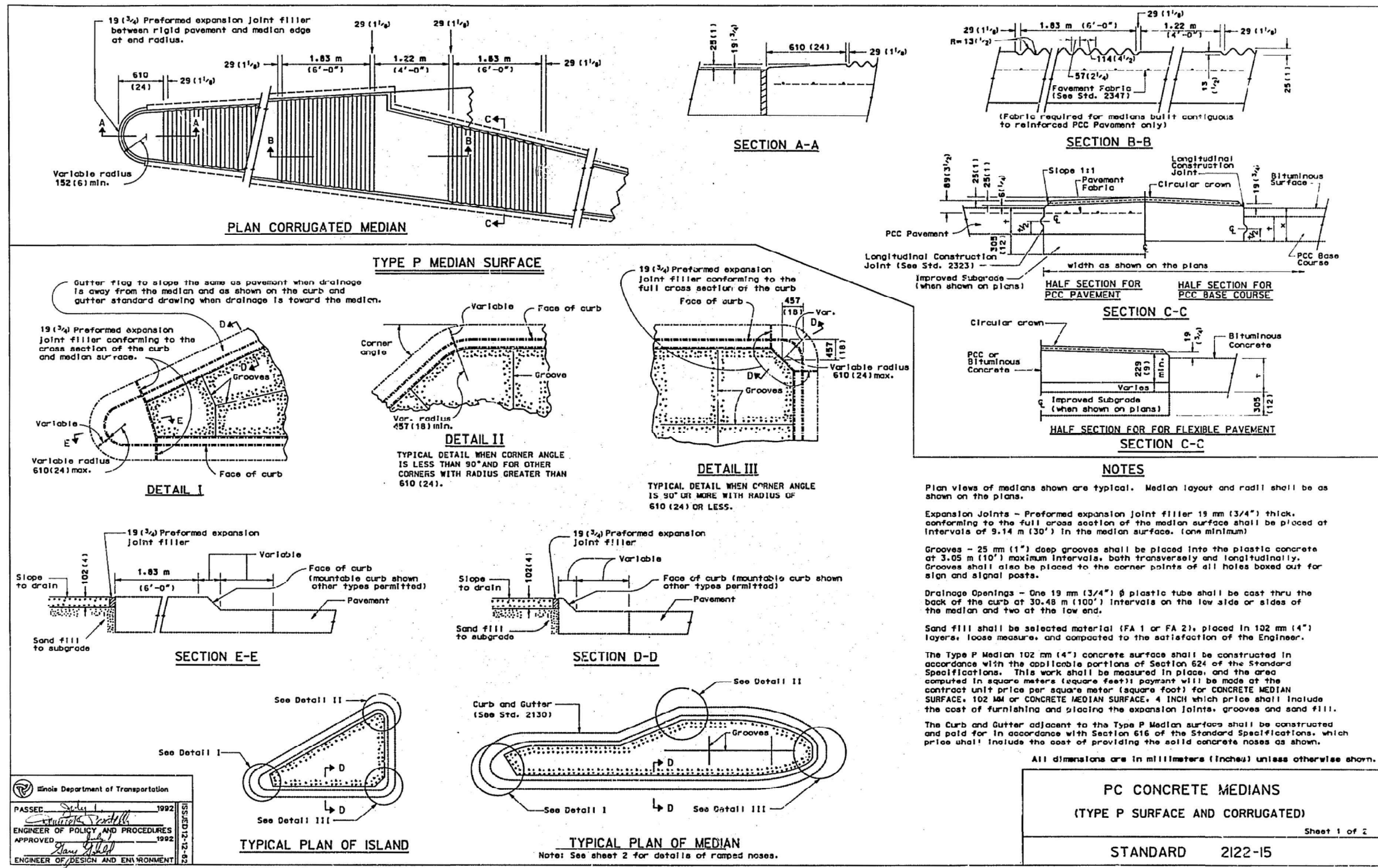
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PLOT DATE = 10/18/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CORRUGATED MEDIAN DETAIL

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	47
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation

PASSED: *Sybil L. ...* 1992

ENGINEER OF POLICY AND PROCEDURES

APPROVED: *...* 1992

ENGINEER OF DESIGN AND ENVIRONMENT

PC CONCRETE MEDIANS
(TYPE P SURFACE AND CORRUGATED)

Sheet 1 of 2

STANDARD 2122-15

(FULL SIZE) D W S

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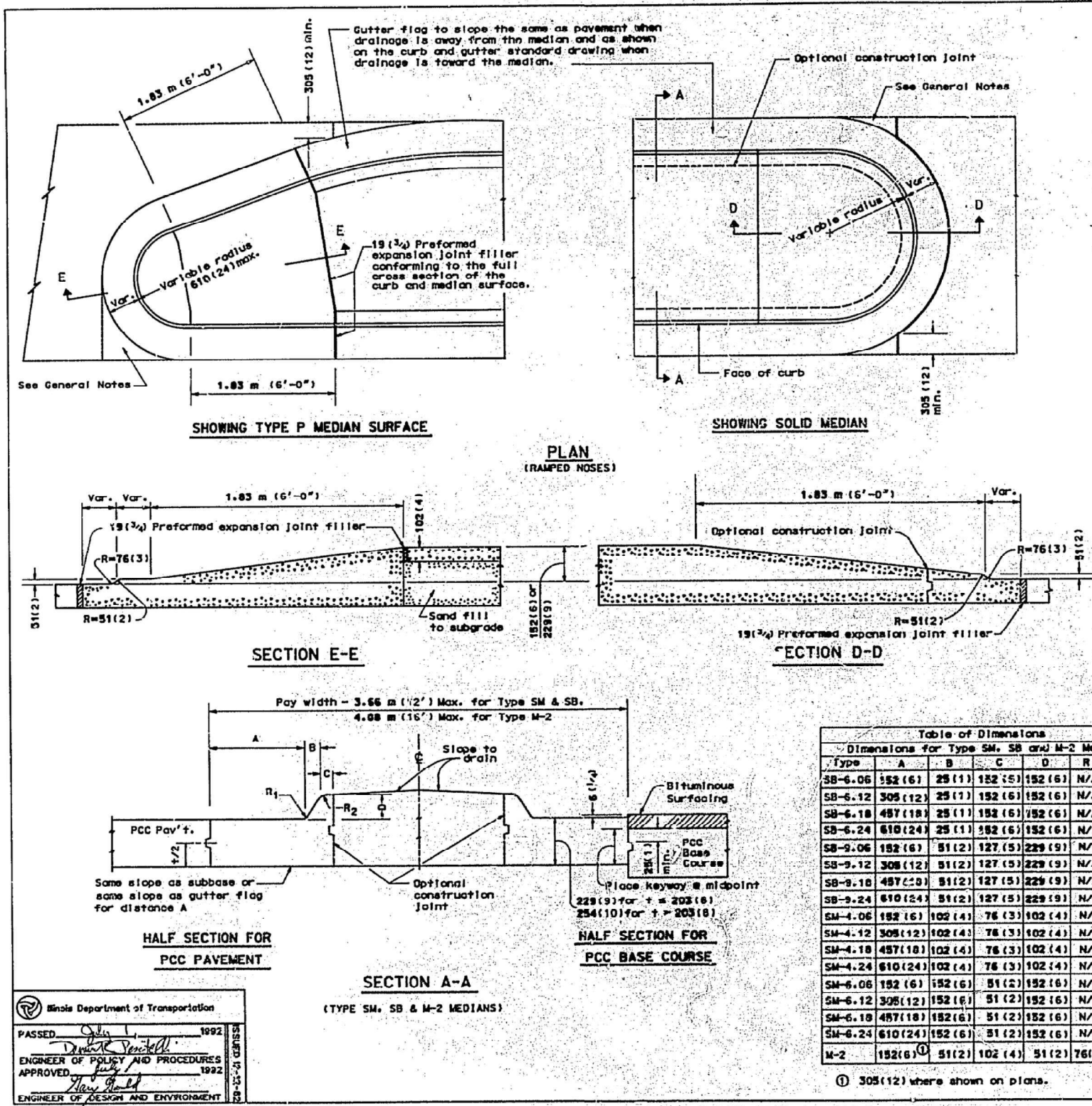
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING CORRUGATED MEDIAN DETAIL - INFO ONLY

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	48
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

A-706 L



GENERAL NOTES

Dimension "x" is equal to the adjacent PCC base course edge thickness plus the bituminous surface edge thickness.

Dimension "t" is equal to the adjacent pavement edge thickness or PCC base course edge thickness.

The vertical edge dimension for Corrugated and Types SM, SB and M-2 Medians shall be 229 mm (9") when constructed adjacent to flexible pavement. Keyway is not required.

Adjacent PCC pavement or base course less than 305 mm (12") in width shall be constructed monolithically with the median or curb and gutter. This area will be included in the measured area of the adjacent pavement.

Longitudinal Construction Joints shall be Keyed longitudinal construction joints without tie bars as shown on Standard 2323. Curb and gutter construction joints shall be in accordance with Standard 2130.

Joints shall be installed in Types SM, SB and M-2 and Corrugated Medians in prolongation with joints in the adjacent PCC pavement or base course and shall be of the same type, except that tie/dowel bars will not be required. For median adjacent to bituminous surfaces, contraction joints shall be installed at 6.10 m (20') intervals.

Contraction Joints:

Corrugated Medians shall be constructed and sealed in the same manner as the joints in the adjacent pavement or shall be constructed with 19 mm (3/4") preformed expansion joint filler conforming to the full cross section of the median.

Type SM and SB Medians shall be constructed by forming or sawing to a depth of t/3 and sealing in accordance with Article 405.17(a), or shall be constructed with 19 mm (3/4") preformed expansion joint filler conforming to the full cross section of the median.

Type M-2 Medians shall be of a type similar to those in the adjacent pavement. However, when the median is constructed adjacent to flexible pavement, the joints shall be constructed as above for SM and SB medians.

The Subgrade shall be prepared in accordance with Section 212 of the Standard Specifications.

Corrugated Median will be constructed according to the applicable portions of Section 616 of the Standard Specifications and will be paid for at the contract unit price per square meter (square foot) for CORRUGATED MEDIAN.

When Corrugated Median is placed adjacent to Flexible Pavement, the Contractor shall have the option of placing the median on Bituminous Concrete or constructing the median of full depth PCC.

The cost of Bituminous Concrete placed under Corrugated Median shall be included in the unit price bid for CORRUGATED MEDIAN.

The cost of furnishing and placing Pavement Fabric when required in Corrugated Median shall be included in the unit price bid for the median.

The Ramped Nose will be paid for at the contract unit price per square meter (square foot) for the same type median as specified for the adjacent median.

The variable height Curb and Gutter will be paid for at the contract unit price per linear meter (linear foot) for the same type curb and gutter as specified for the adjacent median.

See Standard 2323 for details of joints not shown.

Table of Dimensions

Dimensions for Type SM, SB and M-2 Medians						
Type	A	B	C	D	R ₁	R ₂
SB-6.06	152 (6)	25 (1)	152 (6)	152 (6)	N/A	25 (1)
SB-6.12	305 (12)	25 (1)	152 (6)	152 (6)	N/A	25 (1)
SB-6.18	457 (18)	25 (1)	152 (6)	152 (6)	N/A	25 (1)
SB-6.24	610 (24)	25 (1)	152 (6)	152 (6)	N/A	25 (1)
SB-9.06	152 (6)	51 (2)	127 (5)	229 (9)	N/A	25 (1)
SB-9.12	305 (12)	51 (2)	127 (5)	229 (9)	N/A	25 (1)
SB-9.18	457 (18)	51 (2)	127 (5)	229 (9)	N/A	25 (1)
SB-9.24	610 (24)	51 (2)	127 (5)	229 (9)	N/A	25 (1)
SM-4.06	152 (6)	102 (4)	76 (3)	102 (4)	N/A	76 (3)
SM-4.12	305 (12)	102 (4)	76 (3)	102 (4)	N/A	76 (3)
SM-4.18	457 (18)	102 (4)	76 (3)	102 (4)	N/A	76 (3)
SM-4.24	610 (24)	102 (4)	76 (3)	102 (4)	N/A	76 (3)
SM-6.06	152 (6)	152 (6)	51 (2)	152 (6)	N/A	51 (2)
SM-6.12	305 (12)	152 (6)	51 (2)	152 (6)	N/A	51 (2)
SM-6.18	457 (18)	152 (6)	51 (2)	152 (6)	N/A	51 (2)
SM-6.24	610 (24)	152 (6)	51 (2)	152 (6)	N/A	51 (2)
M-2	152 (6)	51 (2)	102 (4)	51 (2)	76 (3)	51 (2)

① 305 (12) where shown on plans.

All dimensions are in millimeters (inches) unless otherwise shown.

PC CONCRETE MEDIANS
(RAMPED NOSES AND TYPE SM, SB AND M-2 MEDIANS)

Sheet 2 of 2

STANDARD 2122-15

(FULL SIZE) D.W.W. 51

Illinois Department of Transportation

PASSED 1992

ENGINEER OF POLICY AND PROCEDURES APPROVED 1992

ENGINEER OF DESIGN AND ENVIRONMENT

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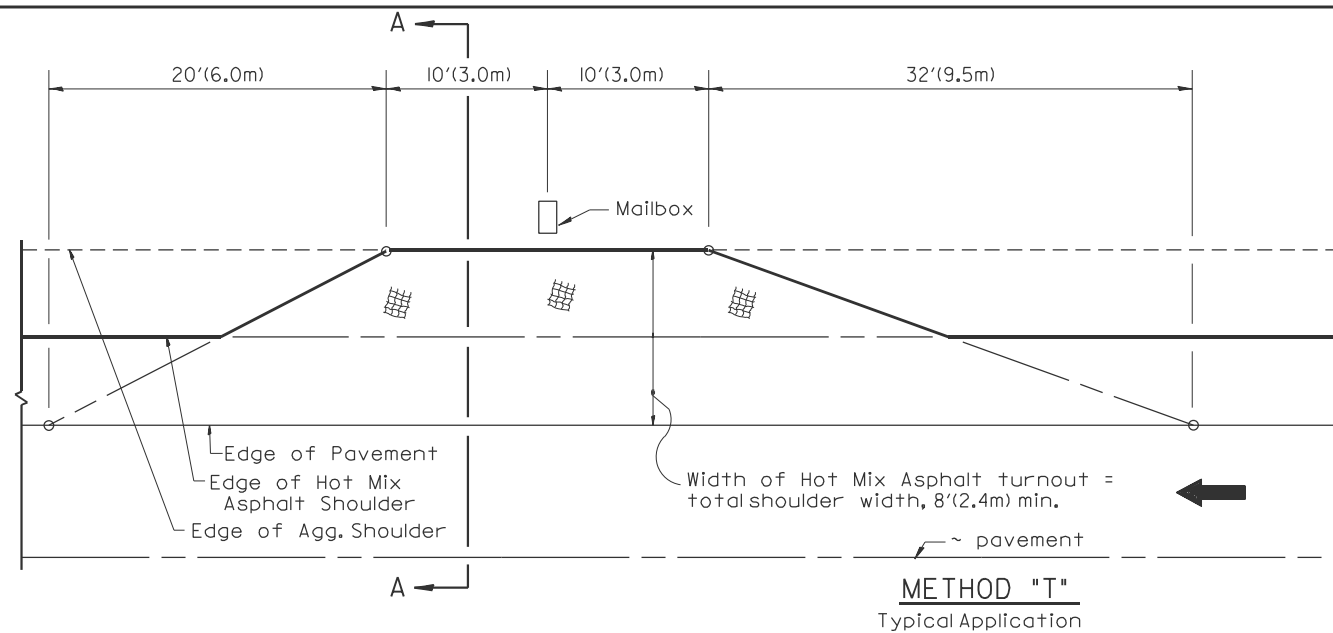
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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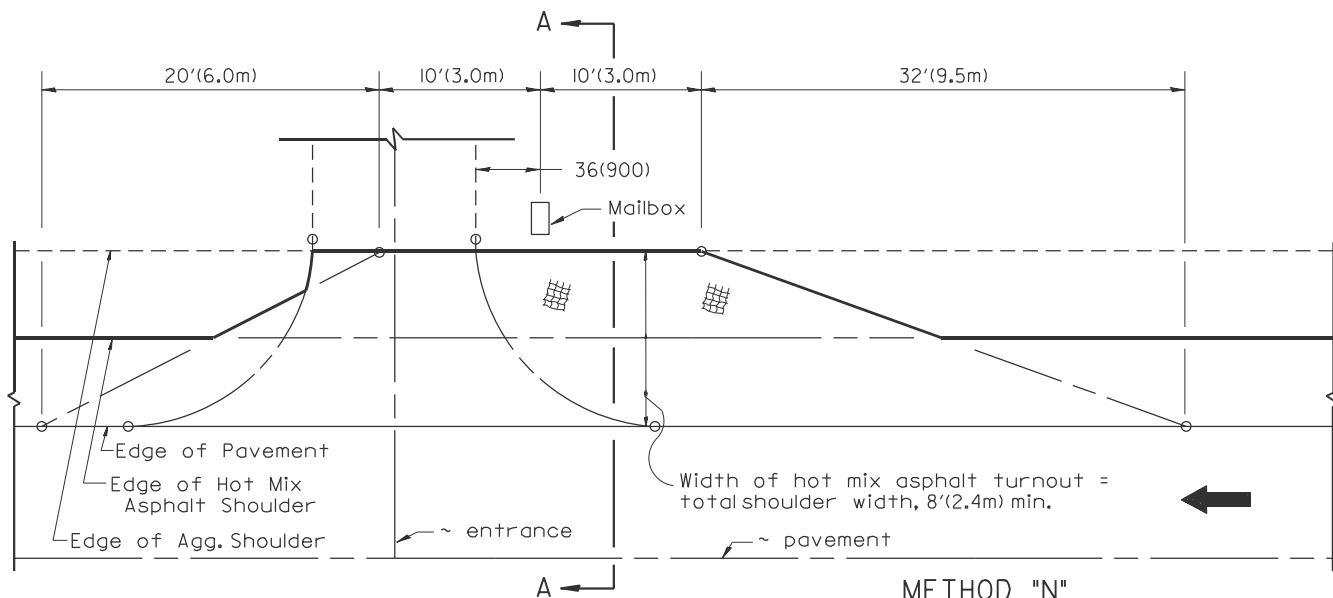
SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	49
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				

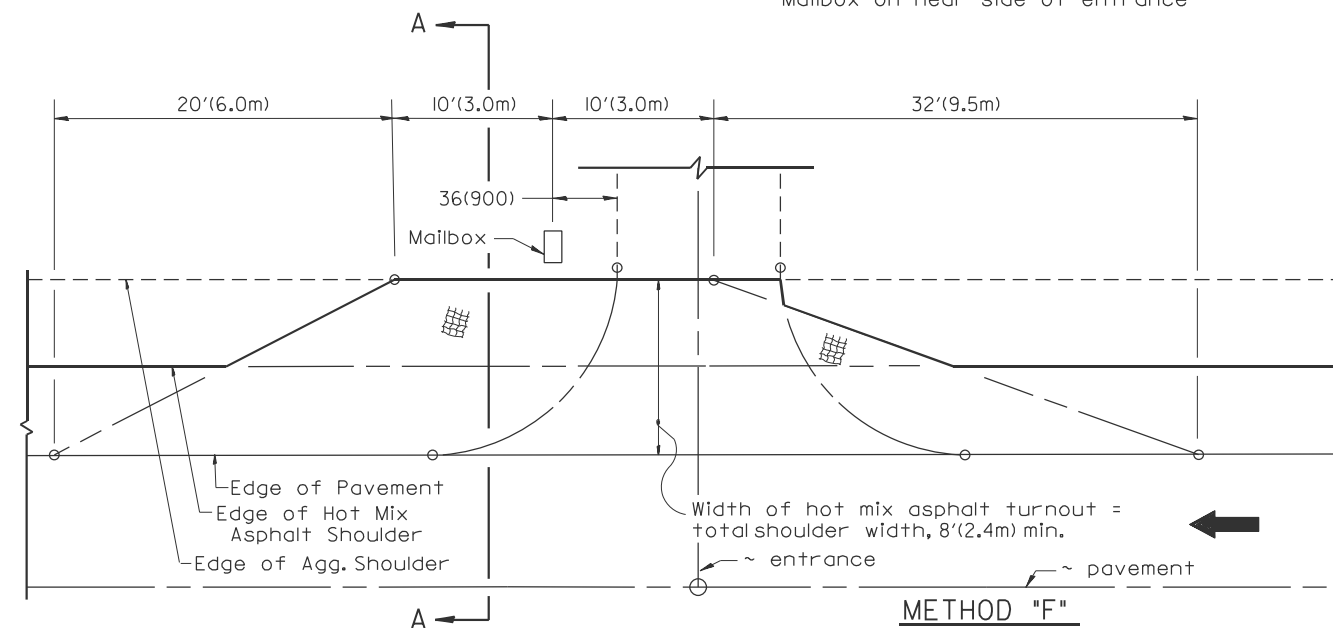
A-7.07 f



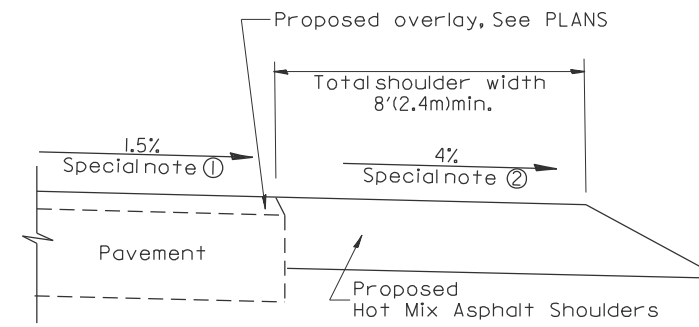
METHOD "T"
Typical Application



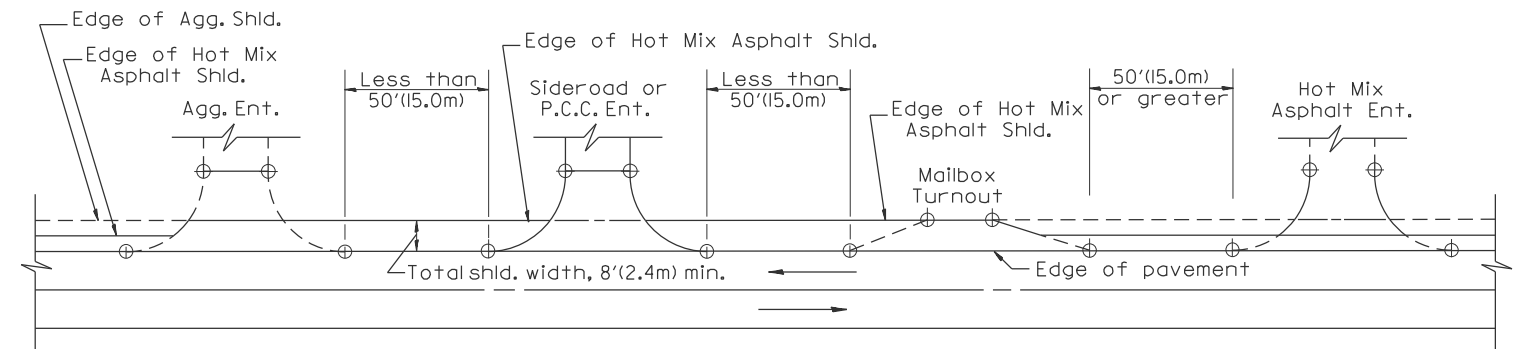
METHOD "N"
Mailbox on near side of entrance



METHOD "F"
Mailbox on far side of entrance



SECTION A-A



DETAIL A

SHOULDER TREATMENT FOR CLOSELY SPACED SIDEROADS, ENTRANCES, AND/OR MAILBOX TURNOUTS

GENERAL NOTES

- Mailbox turnouts shall slope away from the pavement edge at a rate equal to the shoulder slope. See SECTION A-A.
- The total shoulder width, 8'(2.4m) minimum, shall be paved between sideroads entrances and/or mailbox turnouts at locations where the distance between radius or taper control points is less than 50'(15.0m). See DETAIL A.
- Mailboxes shall be mounted such that the face of the mailbox is 6(150) to 12(300) and the post a minimum of 24(600) from the edge of the turnout surfacing.

SPECIAL NOTES

- The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on superelevated horizontal curves.
- The shoulder slope shall control the turnout slope. The standard cross-slope is 4% for tangent alignment. Through superelevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 6'(1.8m) and wider and 12% for shoulders 4'(1.2m) and less. Where 12(300) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

All dimensions are in inches (millimeters) unless otherwise noted.

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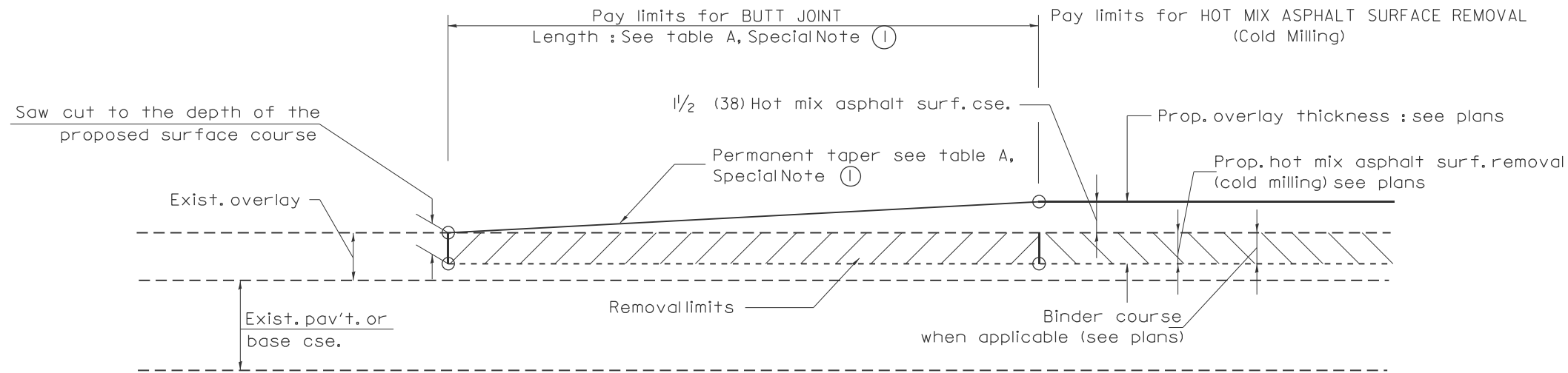
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07-01-97	REVISE DESIGNER NOTES	J.A.	DRAWN	-	REVISED	-
09-15-05	REVISED DESIGNER NOTE	M.M.A.	CHECKED	-	REVISED	-
10-16-06	REVISED TO 2007 SPEC.	M.A.	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUTS FOR "3R" PROJECTS

NOT TO SCALE SHEET 1 OF 8 SHEETS CADD STD. 40620I-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	50
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



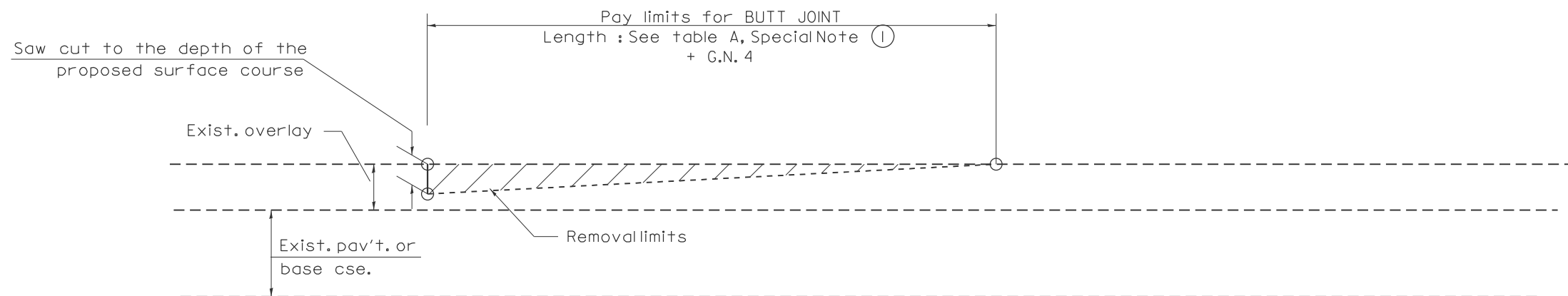
CASE 1: WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

**TABLE A
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

GENERAL NOTES

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.



CASE 2: NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

All dimensions are in inches (millimeters) unless otherwise noted.

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04-01-97	CORRECTION TO DEPTH	J.A.	04-12-16	MINOR CORRECTIONS	-	R.D.
09-15-05	REVISED DESIGNER NOTE	M.M.A.	02-14-17	ADDED NOTE 5	-	R.D.
10-16-06	REVISED TO 2007 SPEC.	M.A.	07-16-19	Wording and Spelling corrections	-	R.D.

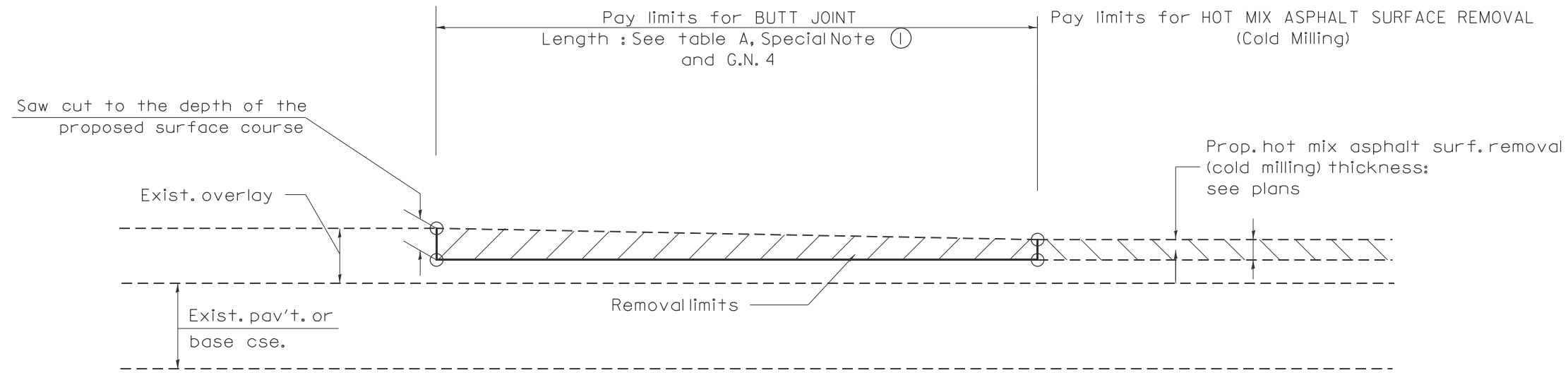
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINTS

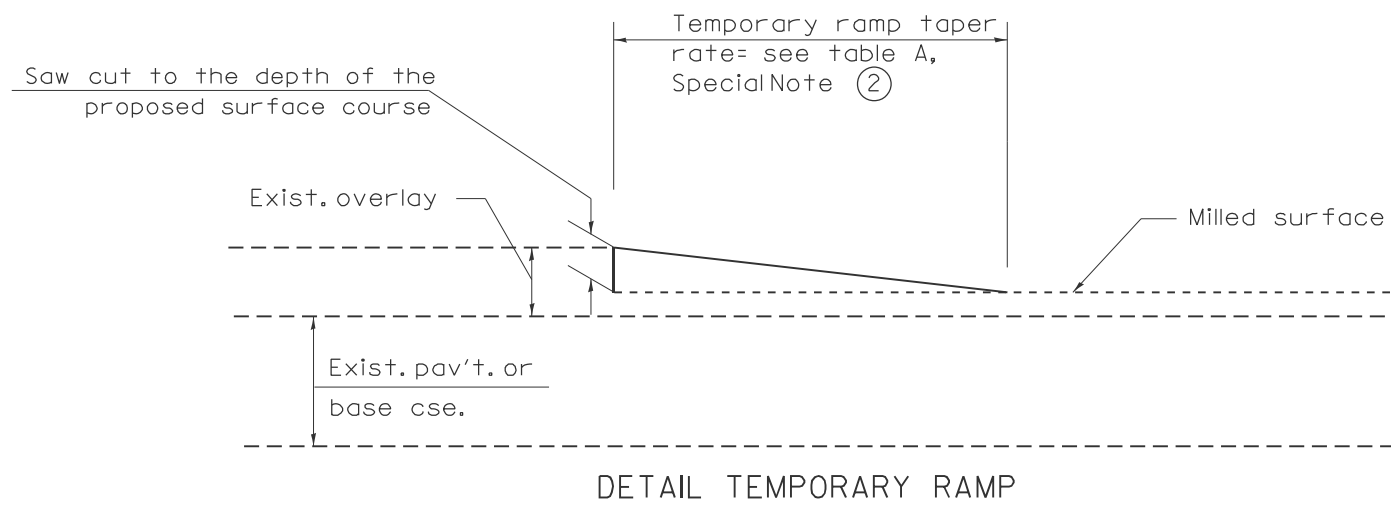
NOT TO SCALE SHEET 2 OF 8 SHEETS CADD STD. 40610I-D4

SHT. 1 OF 3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	51
			CONTRACT NO. 68F43	
ILLINOIS FED. AID PROJECT				



**CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER**



DETAIL TEMPORARY RAMP

All dimensions are in inches (millimeters) unless otherwise noted.

MODEL: D4 Standards (Sheet)_9
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DATE	-	REVISED	-

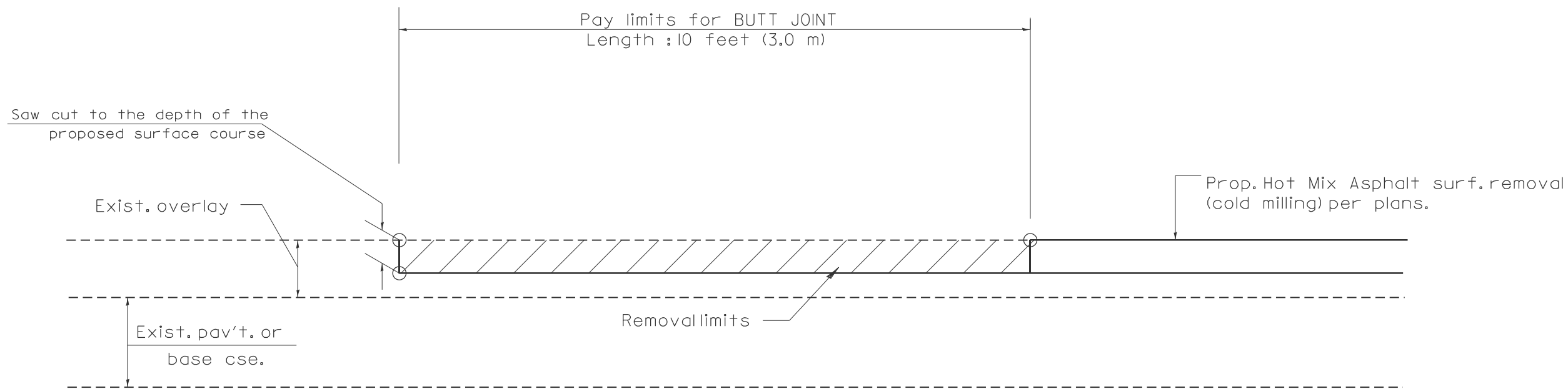
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINTS

SHT. 2 OF 3
CADD STD. 406101-D4

NOT TO SCALE SHEET 3 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	52
			CONTRACT NO. 68F43	
		ILLINOIS FED. AID PROJECT		

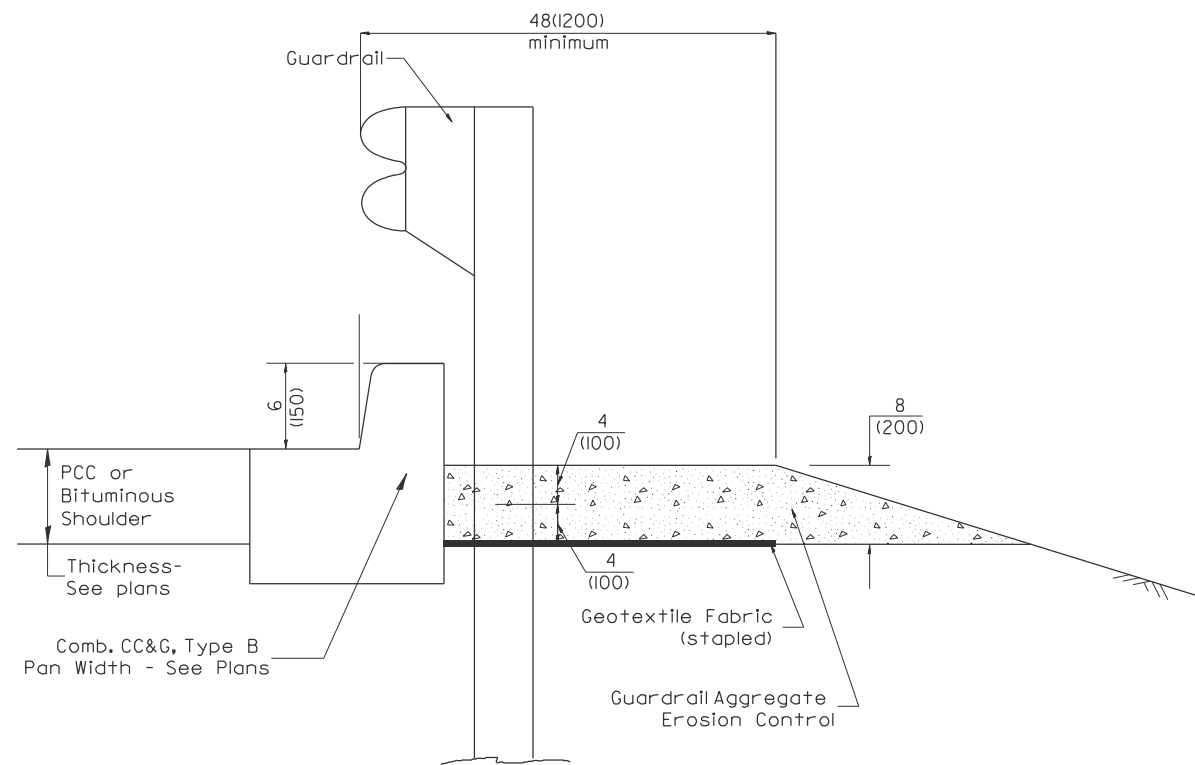


CASE 4 : SINGLE LIFT OVERLAY WITH EQUIVALENT DEPTH
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
TIE-IN TO EXISTING BITUMINOUS TAPER

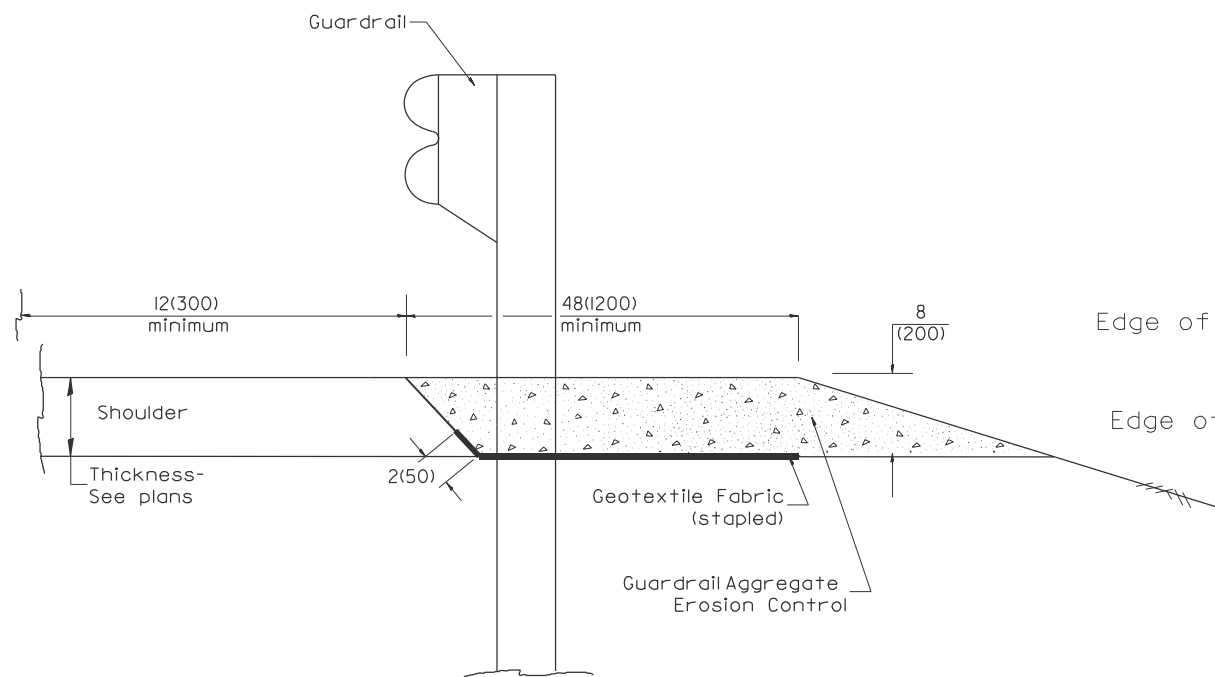
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All dimensions are in inches (millimeters) unless otherwise noted.

USER NAME = kyle.harrison	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINTS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -					313	4RS-5	WARREN	57	53
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PLOT DATE = 10/18/2024	DATE -	REVISED -		NOT TO SCALE	SHEET 4	OF 8	SHEETS	CADD STD. 406101-D4	ILLINOIS FED. AID PROJECT		



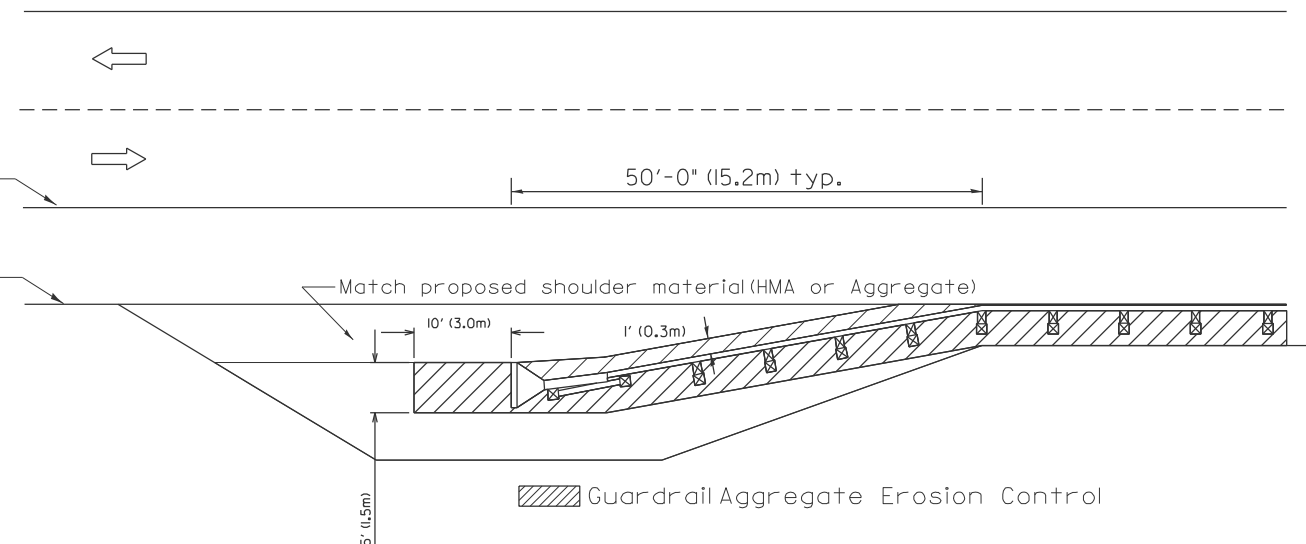
TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind SteelPlate Beam Guardrailposts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrailpost installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



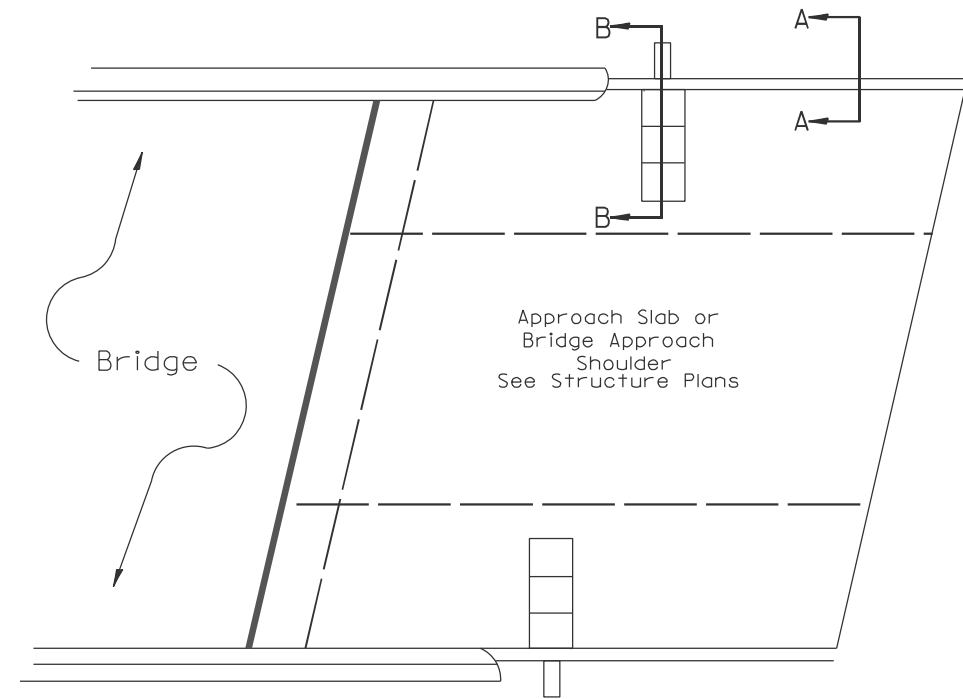
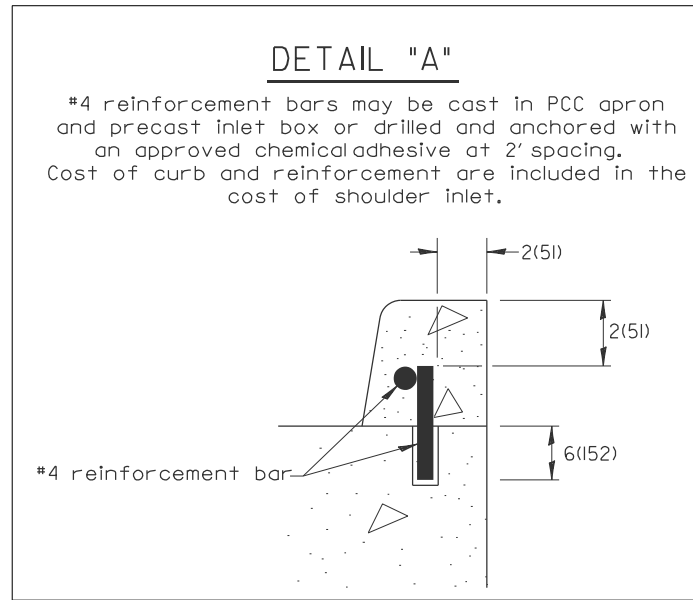
All dimensions are in inches (millimeters) unless otherwise noted.

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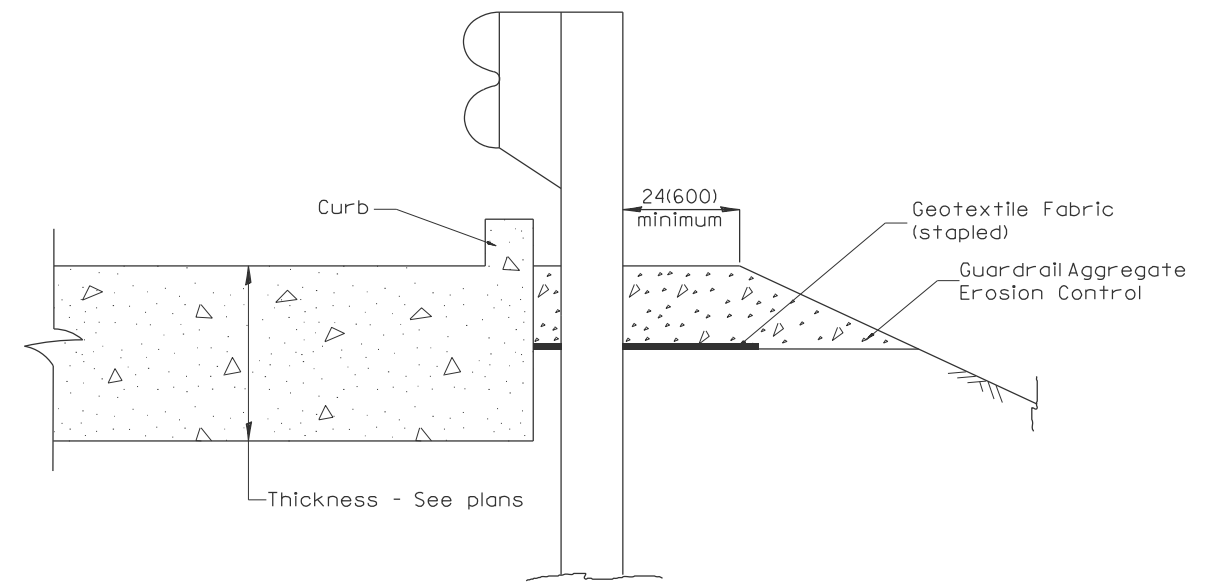
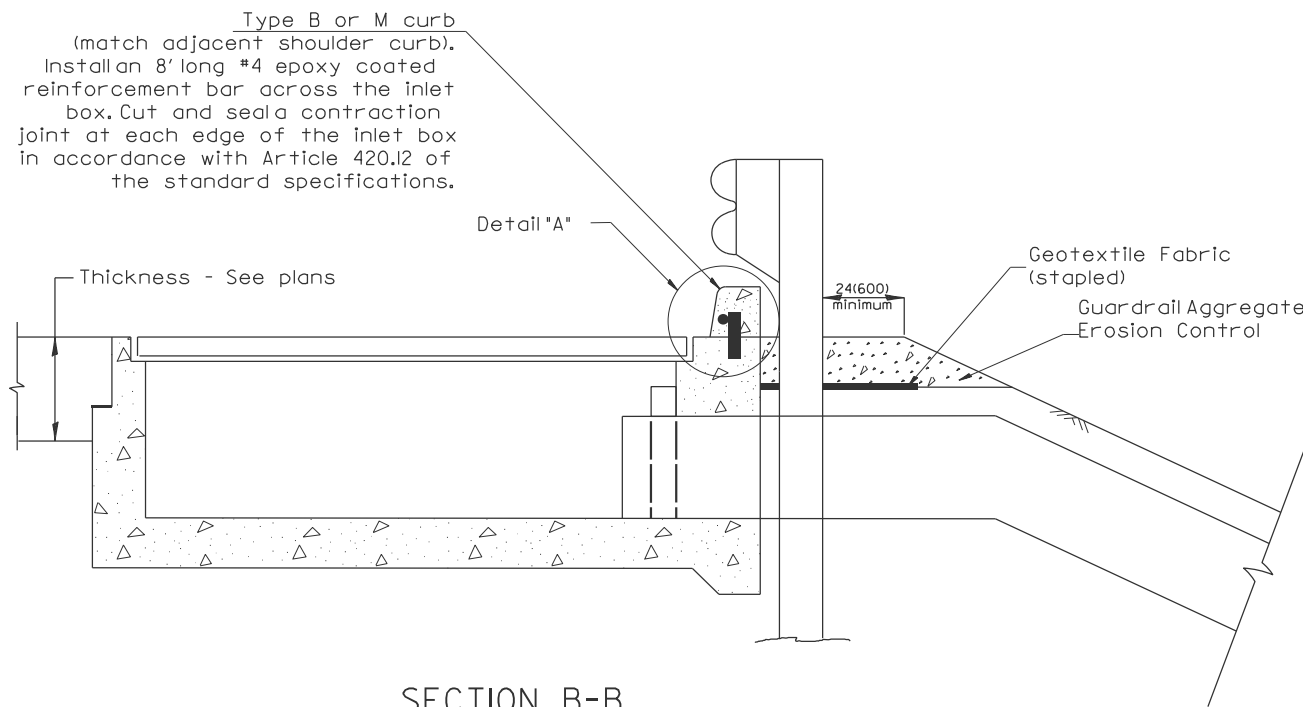
03-07-11	ADDED DETAIL SHOWING PLAN VIEW	R.D.	5-30-18	CHANGE B CURB TO CC&G	R.D.
08-10-12	REVISED CURB "B" AND AGGREGATE	R.D.	07-16-19	SPELLING CORRECTIONS	R.D.
07-15-15	ADDRESSED SHOULDER INLET CURB	R.D.			
01-26-17	REVISED	R.D.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE		SHEET 5	OF 8	SHEETS	CADD STD. 630101-D4	F.A.P. RTE. 313	SECTION 4RS-5	COUNTY WARREN	TOTAL SHEETS 57	SHEET NO. 54
GUARDRAIL EROSION CONTROL TREATMENTS						SHT. 1 OF 2		CONTRACT NO. 68F43		
						ILLINOIS		FED. AID PROJECT		



PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



All dimensions are in inches (millimeters) unless otherwise noted.

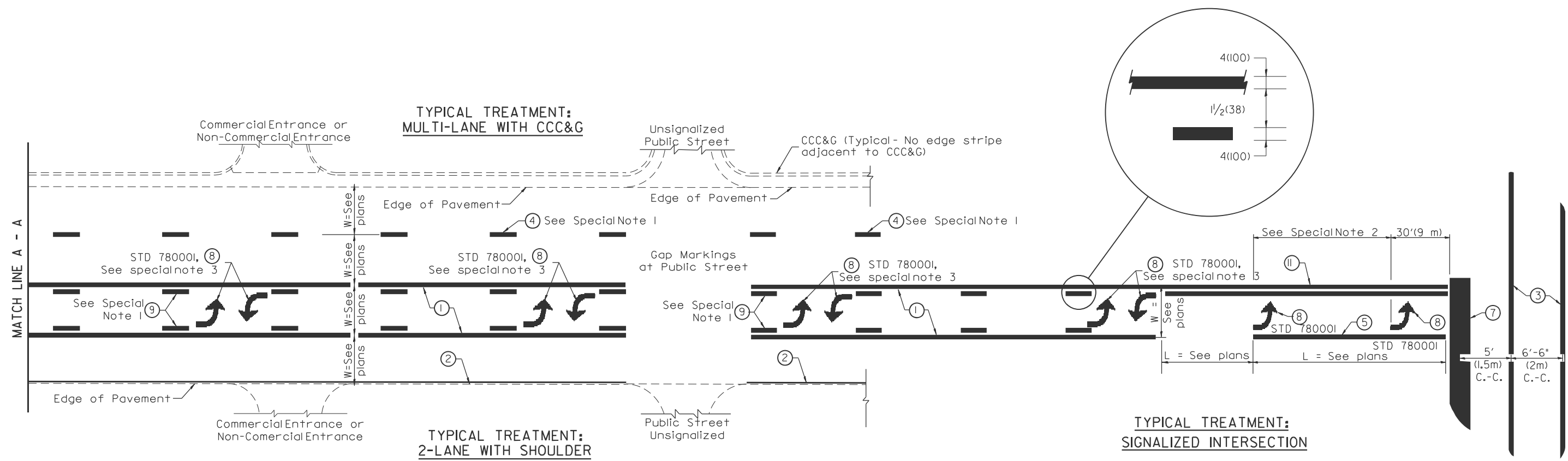
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USER NAME = kyle.harrison	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 10/18/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS			
NOT TO SCALE	SHEET 6	OF 8	SHEETS
SHT. 2 OF 2		CADD STD. 630101-D4	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	55
CONTRACT NO. 68F43				
ILLINOIS FED. AID PROJECT				



FLUSH PAVED MEDIAN; TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION

TYPICAL PAVEMENT MARKING LEGEND
 (Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m) min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m) min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item 6 (3) shown on Std. 78000I)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 78000I and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

SPECIAL NOTES

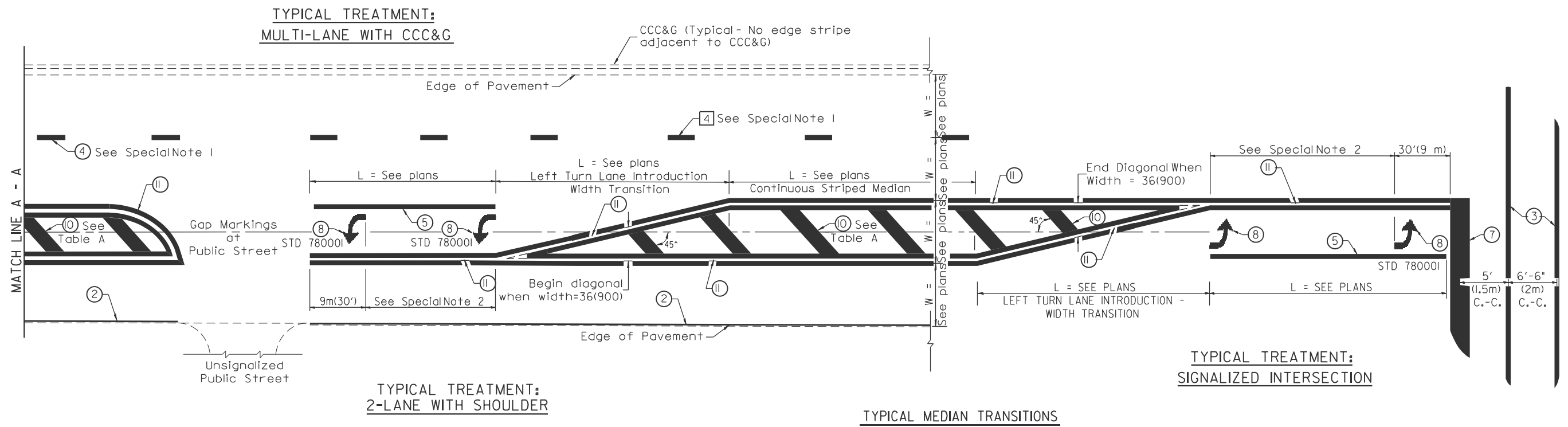
1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 78000I for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:
 - Through Arrow= 14.8 sq. ft.
 - Large Left or Right Arrow= 21.9 sq. ft.
 - 2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.
 - Wrong Way Arrow= 29.5 sq. ft.
 - Railroad Crossing Symbol= 69.8 sq. ft.
 (For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

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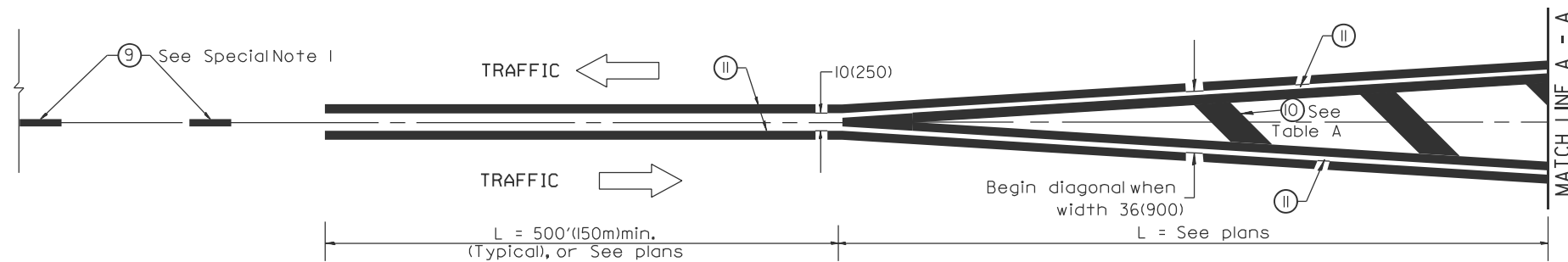
01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKINGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-07-97	ADD BIDIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.			313	4RS-5	WARREN	57	56
10-97	CORRECT BIDIRECTIONAL DIMENSION	J.A.	07-16-19	SPELLING CORRECTIONS	R.D.			SHT. 1 OF 2 CONTRACT NO. 68F43				
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.						ILLINOIS	FED. AID PROJECT			



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

All dimensions are in inches (millimeters) unless otherwise noted.

MODEL: D4 Standards [Sheet] - 14
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USER NAME = kyle.harrison	DESIGNED -	REVISD -
	DRAWN -	REVISD -
	CHECKED -	REVISD -
PLOT DATE = 10/18/2024	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT MARKINGS

NOT TO SCALE SHEET 8 OF 8 SHEETS

SHT. 2 OF 2

CADD STD. 780001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
313	4RS-5	WARREN	57	57
CONTRACT NO. 68F43			ILLINOIS FED. AID PROJECT	