

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109)RS-6	KENDALL	29	1
		ILLINOIS	CONTRACT NO. 66R14	

INDEX OF SHEETS

01	COVER
02	GENERAL NOTES & HIGHWAY STANDARDS
03-05	SUMMARY OF QUANTITIES
06	TYPICAL SECTIONS
07-09	SCHEDULE OF QUANTITIES
10-16	ROADWAY PLANS
17-23	PAVEMENT MARKING PLANS
24	DETECTOR LOOP DETAIL
25-29	DISTRICT 3 STANDARDS

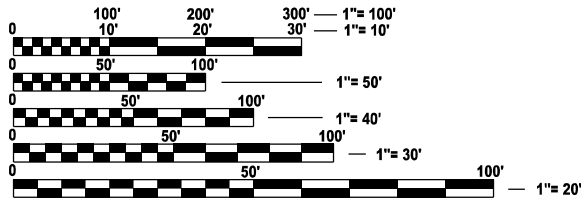
PROPOSED  
HIGHWAY PLANS

FAP ROUTE 326 (IL 47)  
SECTION (109)RS-6  
ROADWAY RESURFACING  
KENDALL COUNTY

C-93-061-25

BEGIN IMPROVEMENT  
STA 6811+72.00  
LAT: 1800000.291'  
LONG: 955552.229'

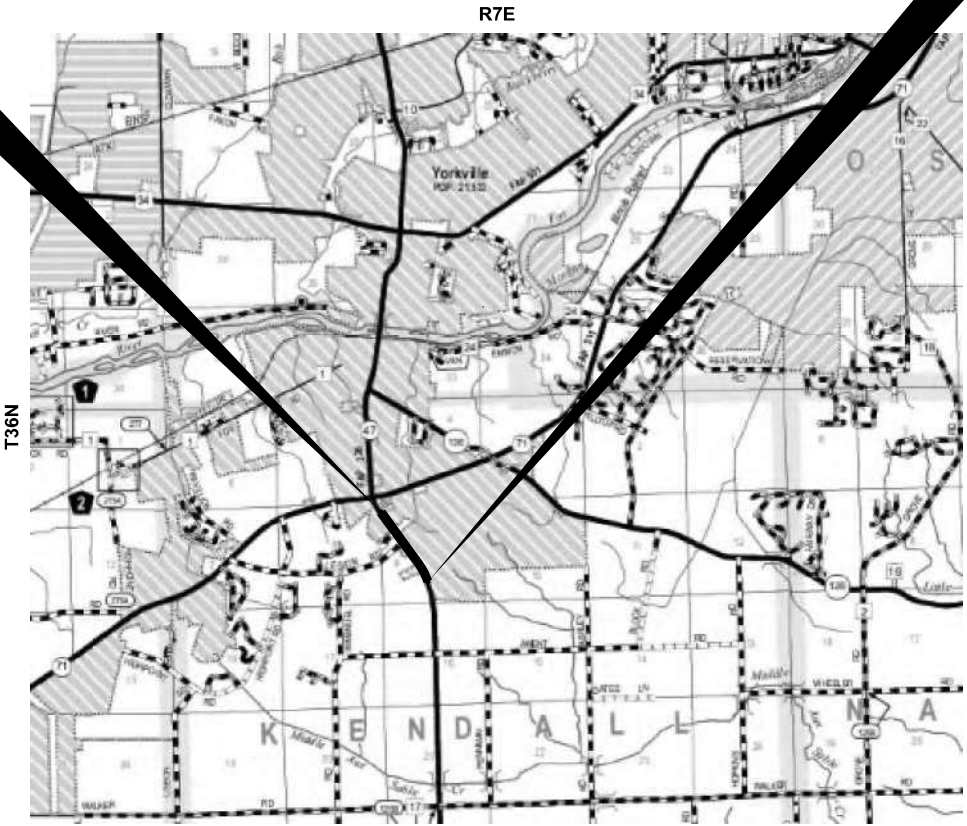
END IMPROVEMENT  
STA 6852+22.00  
LAT: 1803299.053'  
LONG: 953206.146'



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: JUNIOR SENAT  
PROJECT MANAGER: RON WOODSHANK  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66R14



GROSS LENGTH = 4,050.00 FT. = 0.767 MILE  
NET LENGTH = 4,050.00 FT. = 0.767 MILE



FUNCTIONAL CLASSIFICATION

OTHER PRINCIPAL ARTERIAL

F.A.P. 326 (IL-47)

2023 ADT = 8950

P.V. 82.7% S.U. 3.9% M.U. 13.4%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 5, 2025  
*Trisha Thompson* REGIONAL ENGINEER  
March 21, 2025  
*Scott A. Etk* ENGINEER OF DESIGN AND ENVIRONMENT  
March 21, 2025  
*Harry* DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

MICHAEL J. ROSEBORG  
062-058028  
LICENSED  
PROFESSIONAL  
ENGINEER  
OF  
ILLINOIS  
*Michael J. Roseborg*  
01/29/2025  
Expires 11/30/2025

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
482011-03	HMA SHIELD, STRIPS/SHIELDS, WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701502-09	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MUTILANE INTERSECTION
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

DISTRICT 3 STANDARDS

406-2	ENTRANCE & SIDEROAD DETAILS FOR RESURFACING PROJECTS
406-8	HMA BUTT JOINT SAW CUTS
703-1	SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS
720-8	TEMPORARY INFORMATION SIGNING - ROAD WORK AHEAD
780-1	LEFT TURN LANE TYPICAL APPLICATION
780-2	TYPICAL APPLICATION AT BI-DIRECTIONAL TURN LANES
780-5	ADVANCE AND INTERSECTION LANE DIVIDER LINES
780-8	PAVEMENT MARKING - TWO LANE ROADWAY
780-10	TYPICAL PLACEMENT OF ARROWS AND TURN LANES
780-19	LEFT TURN LANE WITH APPROACH MEDIAN
781-1	RAISED REFLECTIVE PAVEMENT MARKERS AT RIGHT TURN LANE

GENERAL NOTES

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

ALL EXCAVATED EARTHEN MATERIAL TO REMAIN ON SITE WITHIN THE IDOT RIGHT OF WAY.

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE EXIT AND ENTRANCE RAMPS FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKINGS	10	FT / 100 FT OF APPLICATION

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT NO EXPENSE TO THE DEPARTMENT. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPlicing OF ELECTRIC CABLE WILL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

HMA MIXTURE REQUIREMENT TABLE		
LOCATIONS:	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA SURFACE	HMA INCIDENTAL
BINDER GRADE (PG):	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL - 9.5	IL - 9.5
FRICTION AGGREGATE:	MIXTURE "D"	MIXTURE "C"
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCP	QCQA
SUBLOT SIZE:	1000 TONS	N/A
DENSITY TEST METHOD:	CORES	SATISFACTION OF ENGINEER
MATERIAL TRANSFER DEVICE (REQUIRED):	YES	NO

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & HIGHWAY STANDARDS

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109)RS-6	KENDALL	29	2
CONTRACT NO. 66R14				
		ILLINOIS	FED. AID PROJECT	

MODEL: Default  
FILE NAME: P:\2024\11\24\2020\_PTB 205-423 D3 PH II.k&T\11\24\2020\_PTB 205-423 WO 8\_IL 4701-CADD\02-Shield\02-Shield-Title.dgn



USER NAME =	mamidon
PLOT SCALE =	40,000' / in.
PLOT DATE =	1/29/2025

DESIGNED -	MLA
DRAWN -	MJR
CHECKED -	ERO
DATE -	1/29/2025

REVISED -	
REVISED -	
REVISED -	
REVISED -	

MODEL: Default  
FILE NAME: P:\2024\ME24020\_PTB 205-023 D3 PH II K&T\ME24020.08 PTB 205-023 WO 8 IL 4701-CADD\02-Shs\036R14-shl-Title.dgn

				CONSTRUCTION CODE	
				CONTRACT MAINTENANCE 100% STATE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS
				0005	0021
				URBAN	URBAN
20200100	EARTH EXCAVATION	CU YD	10	10	
35800100	PREPARATION OF BASE	SQ YD	84	84	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	195	195	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	8960	8960	
40600405	MATERIAL TRANSFER DEVICE	TON	2049	2049	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1911	1911	
40600990	TEMPORARY RAMP	SQ YD	437	437	
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	2049	2049	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	160	160	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	17990	17990	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	297	297	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	

\* SPECIALTY ITEM



USER NAME = mamidon	DESIGNED - MLA	REVISED -
DRAWN - MJR	REVISED -	
PLOT SCALE = 40,000' / in.	CHECKED - ERO	REVISED -
PLOT DATE = 1/29/2025	DATE - 1/29/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109)RS-6	KENDALL	29	3
CONTRACT NO. 66R14				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
FILE NAME: P:\2024\ME24020\_PTB 205-023 D3 PH II K&TWI24020.08 PTB 205-023 WO 8 IL 4701-CADD\02-Shs\036R14-shl-Title.dgn

				CONSTRUCTION CODE	
				CONTRACT MAINTENANCE 100% STATE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS
				0005	0021
				URBAN	URBAN
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4749	4749	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	3152	3152	
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	314	314	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19216	19216	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	193	193	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1244	1244	
* 78004600	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LETTERS AND SYMBOLS	SQ FT	314	314	
* 78004640	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 8"	FOOT	1410	1410	
* 78004720	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 24"	FOOT	165	165	
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	314	314	
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	19216	19216	
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	193	193	

\* SPECIALTY ITEM

	USER NAME = mamidon	DESIGNED - MLA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,000' / in.	DRAWN - MJR	REVISED -					326	(109)RS-6	KENDALL	29	4
	PLOT DATE = 1/29/2025	CHECKED - ERO	REVISED -		SHEET 2 OF 3 SHEETS			CONTRACT NO. 66R14				
	DATE - 1/29/2025	DATE - 1/29/2025	REVISED -		STA. TO STA.			ILLINOIS FED. AID PROJECT				



MODEL: Default  
FILE NAME: P:\2024\ME24020\_PTB 205-023 D3 PH II\_K&TWIE24020.08 PTB 205-023 WO 8\_IL 4701-CADD\02-Shs\0366R14-shl-Title.dgn

				CONSTRUCTION CODE	
				CONTRACT MAINTENANCE 100% STATE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS
				0005	0021
				URBAN	URBAN
* 78011045	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	1410	1410	
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	1244	1244	
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	165	165	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	223	223	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	223	223	
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	314	314	
88600100	DETECTOR LOOP, TYPE I	FOOT	1347		1347
* X0322951	CABLE SPLICE (SPECIAL)	EACH	15		15
* X8860100	LOOP DETECTOR TESTING	EACH	15		15
* X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	42	42	

\* SPECIALTY ITEM

	USER NAME = mamidon	DESIGNED - MLA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MJR	REVIS	ED -					326	(109)RS-6	KENDALL	29	5
	PLOT SCALE = 40,000' / in.	CHECKED - ERO	REVISED -					CONTRACT NO. 66R14				
	PLOT DATE = 1/29/2025	DATE - 1/29/2025	REVISED -			SHEET 3	OF 3	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



MODEL: Default  
FILE NAME: P:\2024\ME24020\_PTB 205-023 D3 PH II\_K&TWIE24020.08 PTB 205-023\_WO 8\_IL 4701-CADD\02-Shs\0266R14-shl-Title.dgn

PAVING SCHEDULE														
STATION	TO	STATION	OFFSET	EARTH EXCAVATION	PREPARATION OF BASE	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	MATERIAL TRANSFER DEVICE	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	INCIDENTAL HOT-MIX ASPHALT SURFACING	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	AGGREGATE WEDGE SHOULDER, TYPE B
				CU YD	SQ YD	LB	LB	TON	SQ YD	SQ YD	TON	TON	SQ YD	TON
6811+72.00	TO	6852+22.00	RT/LT				8096	2049			2049		17990	297
6811+72.00	TO	6811+78.67	CL							30				
6812+39.28	TO	6812+08.79	LT				27		59	35		7		
6814+96.89	TO	6816+43.33	RT	2	15	34	149		331	51		40		
6826+81.54	TO	6827+35.35	LT				24		52	33		6		
6830+17.16	TO	6831+59.92	LT	2	24	56	109		242	35		31		
6830+17.16	TO	6831+81.26	RT	2	11	28	152		338	51		40		
6836+74.21	TO	6836+96.93	RT				9		20	12		3		
6837+11.41	TO	6838+08.73	LT	2	13	30	71		157	23		20		
6840+71.75	TO	6841+22.76	RT				19		41	24		1		
6841+76.99	TO	6842+27.41	LT	2	21	47	12		25	28		1		
6842+66.95	TO	6843+02.71	RT				13		28	16		1		
6847+11.79	TO	6849+04.23	LT				247		548	30		2		
6851+35.88	TO	6852+18.97	RT				32		70	41		8		
6852+15.33	TO	6852+22.00	CL							28				
TOTAL				10	84	195	8960	2049	1911	437	2049	160	17990	297



USER NAME	= mamidon
PLOT SCALE	= 40,000' / in.
PLOT DATE	= 1/29/2025

DESIGNED	-	MLA
DRAWN	-	MJR
CHECKED	-	ERO
DATE	-	1/29/2025

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109)RS-6	KENDALL	29	7
CONTRACT NO. 66R14				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
FILE NAME: P:\2024\ME24020\_PTB 205-023 D3 PH II.k&TWIE24020.08 PTB 205-023 WO 8\_IL 4701-CADD\02-Shs\0366R14-shl-Tile.dgn

PAVEMENT MARKING SCHEDULE													
STATION	TO	STATION	OFFSET	DISCRIPTION	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LETTERS AND SYMBOLS	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 8"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 24"
					FOOT	SQ FT	SQ FT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT
6811+72.00	TO	6830+62.54	LT	SHOULDER-WHITE	400	134		1903		95			
6811+72.00	TO	6815+20.00	LT/RT	STRIPED MEDIAN-DOUBLE CENTERLINE	268	90		1250		89			
6811+72.00	TO	6815+06.72	RT	SHOULDER-WHITE	87	29		336		96			
6815+72.97	TO	6816+14.47	RT	STOP BAR	84	168							42
6816+00.00	TO	6818+45.00	LT	TURN LANE-WHITE	49	17	47				47	245	
6816+00.00	TO	6820+80.00	RT	DOUBLE CENTERLINE	288	96		1381		60			
6816+37.63	TO	6830+23.54	RT	SHOULDER-WHITE	277	93		1384					
6818+45.00	TO	6820+67.13	LT	TURN LANE-SKIP DASH	12	4						56	
6820+80.00	TO	6824+65.00	LT/RT	TWO-WAY TURN LANE	193	65	63	770	193		63		
6824+65.00	TO	6830+65.00	LT/RT	STRIPED MEDIAN-DOUBLE CENTERLINE	403	135		1894		117			
6825+90.00	TO	6828+20.00	RT	TURN LANE - SKIPDASH	12	4						58	
6828+20.00	TO	6830+65.00	RT	TURN LANE - WHITE	49	17	47				47	245	
6831+00.55	TO	6831+36.67	RT	STOP BAR	73	145							37
6831+02.80	TO	6837+30.17	LT	SHOULDER-WHITE	133	45		642		23			
6831+50.00	TO	6833+85.00	LT	TURN LANE - WHITE	47	16	47				47	235	
6831+50.00	TO	6847+64.30	LT/RT	STRIPED MEDIAN-DOUBLE CENTERLINE	1002	334		4785		225			
6831+96.16	TO	6852+22.00	RT	SHOULDER-WHITE	431	144		2026		127			
6833+85.00	TO	6835+95.00	LT	TURN LANE - SKIPDASH	11	4						53	
6837+91.09	TO	6847+91.04	LT	SHOULDER-WHITE	245	82		1027		194			
6843+98.00	TO	6845+80.00	CL	TURN LANE - SKIPDASH	10	4						46	
6845+80.00	TO	6847+87.65	CL	TURN LANE - WHITE	37	13	47				47	185	
6847+65.34			RT	STOP BAR	46	92							23
6847+86.43	TO	6848+15.61	LT	STOP BAR	60	120							30
6848+03.61			LT	TURN LANE - WHITE	8	3						39	
6848+15.61			LT	TURN LANE - WHITE	8	3	16				16	39	
6848+53.58	TO	6852+22.00	LT	SHOULDER - WHITE	75	25		374					
6848+66.85			LT, CL	STOP BAR	66	22							33
6848+67.85	TO	6850+27.86	LT	TURN LANE - WHITE	32	107	47				47	160	
6848+63.91	TO	6852+22.0	LT	STRIPED MEDIAN-DOUBLE CENTERLINE	333	1108		1444		218			
6850+27.86	TO	6852+22.0	LT	TURN LANE - SKIPDASH	10	33						49	
TOTAL					4749	3152	314	19216	193	1244	314	1410	165



USER NAME = mamidon  
PLOT SCALE = 40,000' / in.  
PLOT DATE = 1/29/2025

DESIGNED - MLA  
DRAWN - MJR  
CHECKED - ERO  
DATE - 1/29/2025

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109)RS-6	KENDALL	29	8
CONTRACT NO. 66R14				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
FILE NAME: P:\2024\IWE24020\_PTB 205-023 D3 PH II & TWE24020.08 PTB 205-023 WO 8 IL 4701-CADD\02-Shs\0366R14-sh11-Title.dgn

PAVEMENT MARKING SCHEDULE													
STATION	TO	STATION	OFFSET	DISCRIPTION	GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING 5"	GROOVING FOR RECESSED PAVEMENT MARKING 7"	GROOVING FOR RECESSED PAVEMENT MARKING 9"	GROOVING FOR RECESSED PAVEMENT MARKING 13"	GROOVING FOR RECESSED PAVEMENT MARKING 24"	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	PAVEMENT MARKING REMOVAL - WATER BLASTING
					SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	SQ FT
6811+72.00	TO	6830+62.54	LT	SHOULDER-WHITE		1903			95				
6811+72.00	TO	6815+20.00	LT/RT	STRIPED MEDIAN-DOUBLE CENTERLINE		1250			89		17	17	
6811+72.00	TO	6815+06.72	RT	SHOULDER-WHITE		336			96				
6815+72.97		6816+14.47	RT	STOP BAR						42			
6816+00.00	TO	6818+45.00	LT	TURN LANE-WHITE	47			245			6	6	47
6816+00.00	TO	6820+80.00	RT	DOUBLE CENTERLINE		1381			60		19	19	
6816+37.63	TO	6830+23.54	RT	SHOULDER-WHITE		1384							
6818+45.00	TO	6820+67.13	LT	TURN LANE-SKIP DASH				56					
6820+80.00	TO	6824+65.00	LT/RT	TWO-WAY TURN LANE	63	770	193				20	20	63
6824+65.00	TO	6830+65.00	LT/RT	STRIPED MEDIAN-DOUBLE CENTERLINE		1894			117		31	31	
6825+90.00	TO	6828+20.00	RT	TURN LANE - SKIPDASH				58					
6828+20.00	TO	6830+65.00	RT	TURN LANE - WHITE	47			245			7	7	47
6831+00.55		6831+36.67	RT	STOP BAR						37			
6831+02.80	TO	6837+30.17	LT	SHOULDER-WHITE		642			23				
6831+50.00	TO	6833+85.00	LT	TURN LANE - WHITE	47			235			6	6	47
6831+50.00	TO	6847+64.30	LT/RT	STRIPED MEDIAN-DOUBLE CENTERLINE		4785			225		83	83	
6831+96.16	TO	6852+22.00	RT	SHOULDER-WHITE		2026			127				
6833+85.00	TO	6835+95.00	LT	TURN LANE - SKIPDASH				53					
6837+91.09	TO	6847+91.04	LT	SHOULDER-WHITE		1027			194				
6843+98.00	TO	6845+80.00	CL	TURN LANE - SKIPDASH				46					
6845+80.00	TO	6847+87.65	CL	TURN LANE - WHITE	47			185			5	5	47
6847+65.34			RT	STOP BAR						23			
6847+86.43	TO	6848+15.61	LT	STOP BAR						30			
6848+03.61			LT	TURN LANE - WHITE				39					
6848+15.61			LT	TURN LANE - WHITE				39					16
6848+53.58	TO	6852+22.00	LT	SHOULDER - WHITE	16	374							
6848+66.85			LT, CL	STOP BAR	47			160		33			47
6848+67.85	TO	6850+27.86	LT	TURN LANE - WHITE							4	4	
6848+63.91	TO	6852+22.0	LT	STRIPED MEDIAN-DOUBLE CENTERLINE		1444			218		25	25	
6850+27.86	TO	6852+22.0	LT	TURN LANE - SKIPDASH				49					
TOTAL					314	19216	193	1410	1244	165	223	223	314



USER NAME = mamidon	DESIGNED - MLA	REVISED -
	DRAWN - MJR	REVISED -
PLOT SCALE = 40,000' / in.	CHECKED - ERO	REVISED -
PLOT DATE = 1/29/2025	DATE - 1/29/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109)RS-6	KENDALL	29	9
CONTRACT NO. 66R14				
ILLINOIS FED. AID PROJECT				













MODEL: Default  
FILE NAME: P:\2024\IWE24020\_PTB 205-023 D3 PH II K&TWI24020.08 PTB 205-023 WO 8 IL 4701-CADD\02-Shs\ID368R14-shl-Title.dgn



 <div>MILLENNIA PROFESSIONAL SERVICES www.millennia.pro</div>	USER NAME = mamidon	DESIGNED - MLA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 326 (IL ROUTE 47) ROADWAY PLAN				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,000' / in.	DRAWN - MJR	REVISED -						326	(109)RS-6	KENDALL	29	14
	PLOT DATE = 1/29/2025	CHECKED - ERO	REVISED -						CONTRACT NO. 66R14				
			DATE - 1/29/2025						REVISED -				
					SCALE: 1" = 20'	SHEET 5	OF 7 SHEETS	STA. 6835+50.00	TO STA. 6841+50.00		ILLINOIS FED. AID PROJECT		







MODEL: Default  
FILE NAME: P:\2024\IWE24020\_PTB 205-023 D3 PH II K&TWI24020.08 PTB 205-023 WO 8 IL 4701-CADD\02-ShsID368R14-sh1-Title.dgn



USER NAME	= mamidon	DESIGNED -	MLA	REVISED -	
DRAWN -	MJR	REVISED -			
PLOT SCALE	= 40,000' / in.	CHECKED -	ERO	REVISED -	
PLOT DATE	= 1/29/2025	DATE	= 1/29/2025	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FAP 326 (IL ROUTE 47)  
PAVEMENT MARKING PLAN

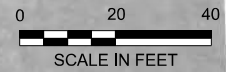
SCALE: 1" = 20'    SHEET 1    OF 7    SHEETS    STA. 6811+72.00    TO STA. 6817+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109)RS-6	KENDALL	29	17
CONTRACT NO. 66R14				
ILLINOIS FED. AID PROJECT				



LEGEND

- RPM MONO-DIRECTIONAL
- RPM BI-DIRECTIONAL





MODEL: Default  
FILE NAME: P:\2024ME24020\_PTB 205-023 D3 PH II K&TME24020.08 PTB 205-023 WO 8\_IL 47'01-CADD\02-Shs\0368R14-shr-Title.dgn



USER NAME = mamidon	DESIGNED - MLA	REVISED -
	DRAWN - MJR	REVISED -
PLOT SCALE = 40,000' / in.	CHECKED - ERO	REVISED -
PLOT DATE = 1/29/2025	DATE - 1/29/2025	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**FAP 326 (IL ROUTE 47)  
PAVEMENT MARKING PLAN**

SCALE: 1" = 20'	SHEET 2	OF 7	SHEETS	STA. 6817+50.00	TO STA. 6823+50.00
-----------------	---------	------	--------	-----------------	--------------------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109)RS-6	KENDALL	29	18
		CONTRACT NO. 66R14		
ILLINOIS		FED. AID PROJECT		











MODEL: Default  
FILE NAME: P:\2024\IME24020\_PTB 205-023 D3 PH II\_K&T\ME24020.08 PTB 205-023 WO 8\_IL 47\01-CADD\02-Shts\D368R14-sht-Title.dgn



USER NAME = mamidon	DESIGNED = MLA	REVISED =
	DRAWN = MJR	REVISED =
PLOT SCALE = 40,000' / in.	CHECKED = ERO	REVISED =
PLOT DATE = 1/29/2025	DATE = 1/29/2025	REVISED =

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**FAP 326 (IL ROUTE 47)  
PAVEMENT MARKING PLAN**

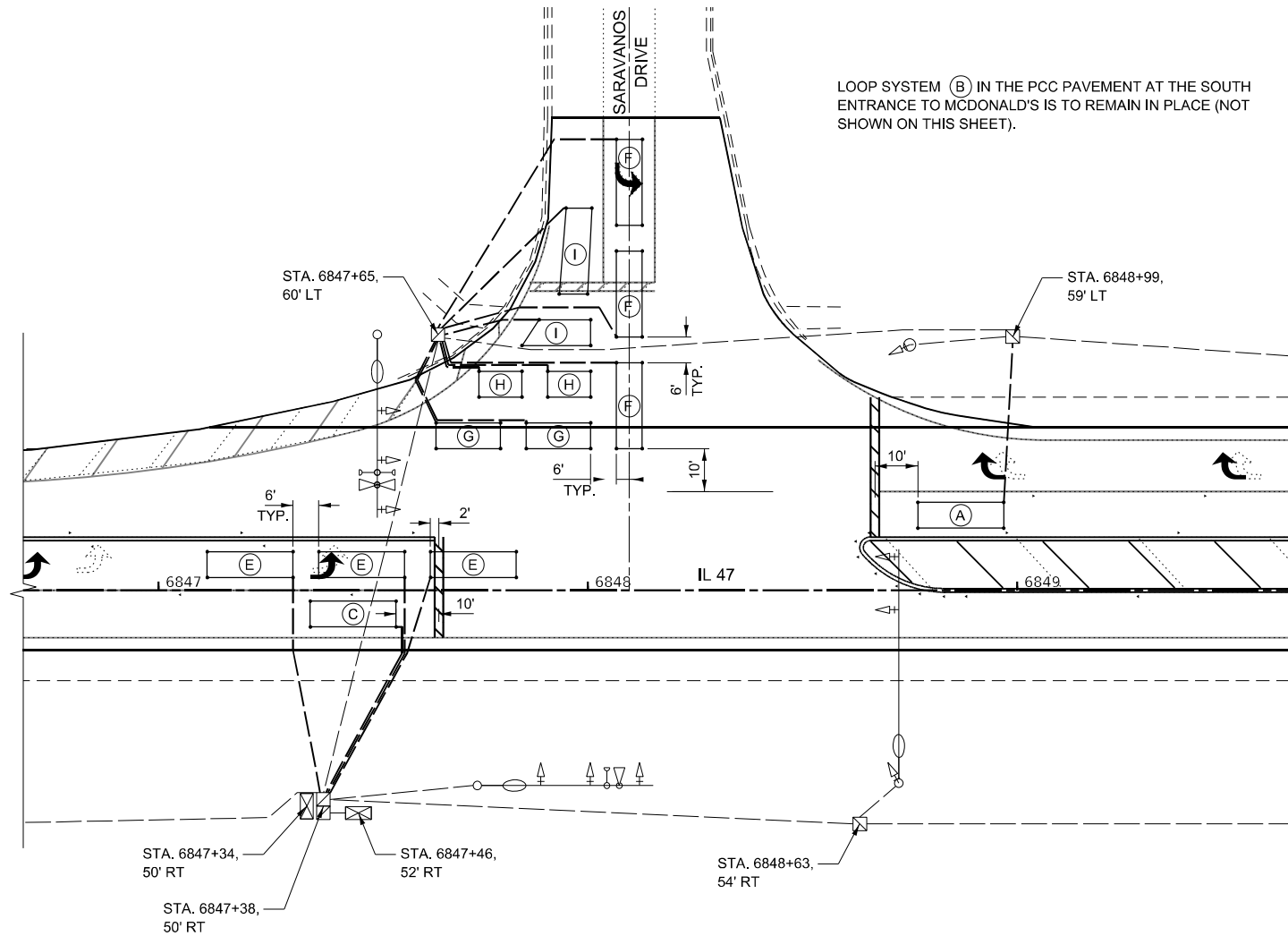
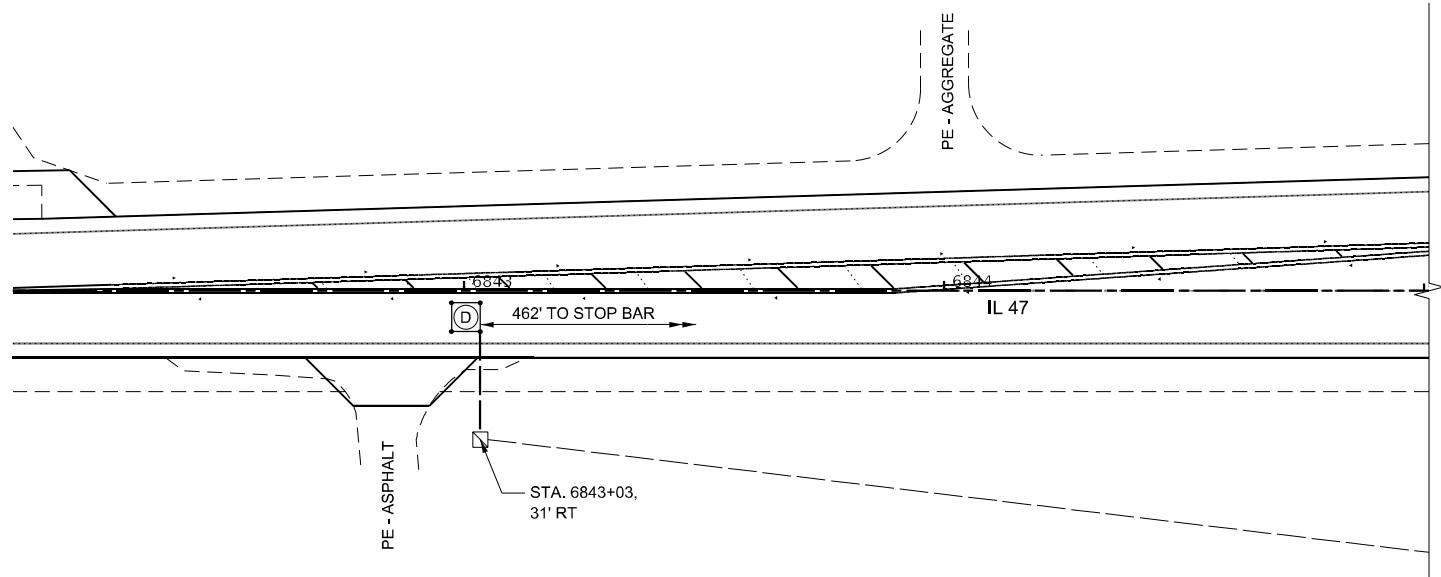
SCALE: 1" = 20'	SHEET 6	OF 7	SHEETS	STA. 6841+50.00	TO STA. 6846+50.00
-----------------	---------	------	--------	-----------------	--------------------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109)RS-6	KENDALL	29	22
		CONTRACT NO. 66R14		
ILLINOIS		FED. AID PROJECT		





MODEL: TS Sheet  
FILE NAME: I:\2022\22069.08 DOT D3 - PTB 205-023 - W08 - Kendall County 66R14\CADD\data\CADsheets\366R14-eh1-TS01.dgn



DETECTOR LOOPS					
LOOP SYSTEM GROUP	DESCRIPTON	SIZE	DETECTOR LOOP, TYPE I		CABLE SPICE SPECIAL
			LOOP	TO HANDHOLE	
			FOOT	FOOT	EACH
IL 47					
A	SBDL	6' X 20'	52	40	1
B	IN PCC PAVEMENT - TO REMAIN				
C	NBLD	6' X 20'	52	51	1
D	NBLD	6' X 20'	24	20	1
E	NBTL	6' X 20'	52	59	1
E	NBTL	6' X 20'	52	62	1
E	NBTL	6' X 20'	52	62	1
IL 47 TOTAL			284	294	6
SARAVANOS DRIVE					
F	NBTL	6' X 20'	52	47	1
F	NBTL	6' X 20'	52	54	1
F	NBTL	6' X 20'	52	75	1
G	SBTL	6' X 15'	42	45	1
G	SBTL	6' X 15'	42	23	1
H	SBTL	6' X 10'	32	35	1
H	SBTL	6' X 10'	32	18	1
I	SBTL	6.3' X 20'	52.6	46	1
I	SBTL	14' X 6'	40	30	1
SARAVANOS DRIVE TOTAL			396	373	9
SUB-TOTAL			680	667	15
TOTAL			1347		15

ILLINOIS ROUTE 47 AT SARAVANOS DRIVE  
DETECTOR LOOP INDUCTANCE CHART

LOOP SYSTEM	PHASE	LABEL	NO. OF TURNS	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	6	SB STBR	4	322	34.012	OFF
B	6	SB FAR	6	412	30.069	ON
C	2	NB STBR	4	265	37.492	OFF
D	2	NB FAR	6	357	32.302	ON
E	5	NBLT	4	785	21.784	ON
F	7	EBLT	4	811	21.432	ON
G	8	EBRT FR	4	451	28.739	ON
H	8	EBRT MID	4	351	32.577	ON
I	8	EBRT BK	4	500	27.295	ON

LOOP SYSTEM (B) IN THE PCC PAVEMENT AT THE SOUTH ENTRANCE TO MCDONALD'S IS TO REMAIN IN PLACE (NOT SHOWN ON THIS SHEET).

## LEGEND

- EX CONTROLLER CABINET
- EX HANDHOLE
- EX DOUBLE HANDHOLE
- EX UNDERGROUND CABLE
- PR UNDERGROUND CABLE
- PR DETECTOR LOOP
- PR LOOP SYSTEM I.D.

### NOTES:

EXISTING DETECTOR LOOPS ARE LOCATED IN THE HMA BINDER COURSE BELOW THE SURFACE COURSE WHICH IS BEING REMOVED. THE CONTRACTOR SHALL TAKE CARE WHEN PERFORMING THE HMA SURFACE REMOVAL SO AS NOT TO NEEDLESSLY DAMAGE THE DETECTOR LOOPS. SHOULD THE EXISTING DETECTOR LOOP RUNS REMAIN UNDamAGED, THEY MAY REMAIN IN PLACE AT THE DIRECTION OF THE ENGINEER.

THE CONTRACTOR MAY BE REQUIRED TO TEST THE EXISTING DETECTOR LOOPS TO VERIFY THAT THEY HAVEN'T BEEN DamAGED AND CAN REMAIN IN PLACE. THIS TESTING SHALL BE PAID FOR PER EACH FOR LOOP DETECTOR TESTING.

A LOOP DETECTOR LOCATION PLAN HAS BEEN INCLUDED IN THE EVENT THAT REPLACEMENT OF THE LOOPS BECOMES NECESSARY. THIS WORK SHALL BE PAID FOR PER FOOT FOR DETECTOR LOOP, TYPE 1, AND PER EACH FOR CABLE SPlice (SPECIAL).



USER NAME = msulheard  
PLOT DATE = 1/29/2025

DESIGNED - JS  
DRAWN - MS  
CHECKED - MS  
DATE - 12/03/24

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

### DETECTOR LOOP DETAIL

SCALE: SHEET 000 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109)RS-6	KENDALL	29	24
CONTRACT NO. 66R14				
ILLINOIS FED. AID PROJECT				



## DETAIL A



SAW CUT (INCIDENTAL)

REMOVE BY UNIFORM CUT  
(REMOVAL INCIDENTAL TO  
MILLING OPERATIONS)

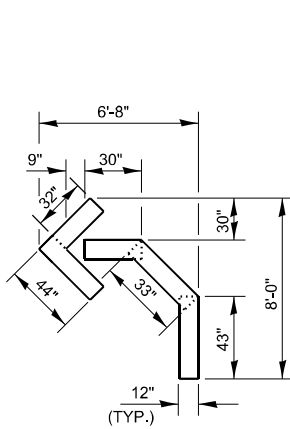
DIRECTION OF  
HMA SURF REMOVAL

EXISTING  
SURFACE

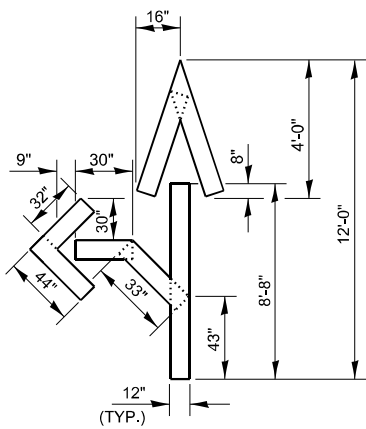
HMA SURF  
REMOVAL

ROUNDED EDGE FROM  
MILLING OPERATIONS

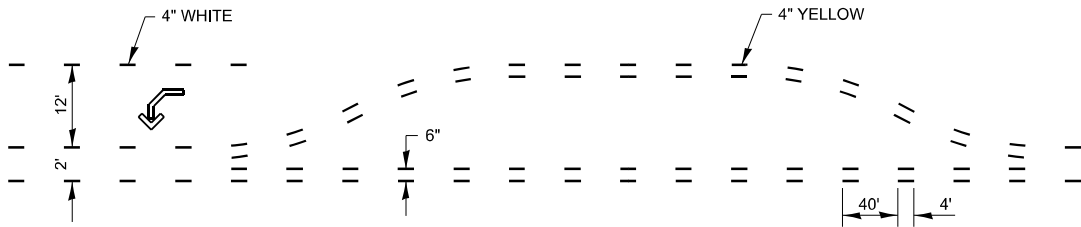
## HMA BUTT JOINT SAW CUTS



QUANTITY  
12" LINE = 16 LIN FT  
OR 4" LINE = 48 LIN FT



QUANTITY  
12" LINE = 29 LIN FT  
OR 4" LINE = 87 LIN FT



## SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

1

**ROAD WORK  
AHEAD  
EXPECT DELAYS**

2

**BEGINS XX-XX-XX**

USE APPROPRIATE  
MONTH AND DATE  
FOR CONTRACT

## TEMPORARY INFORMATION SIGNING

### NOTES:

USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.

ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD"  
SIGNS AS DIRECTED BY THE ENGINEER.

ERECT SIGN 1 WITH INSTALLED PANEL 2 A MINIMUM OF ONE WEEK PRIOR TO  
THE START OF THE LANE CLOSURE.

REMOVE PANEL 2 ON THAT DATE.

SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.

WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING".  
EACH SIGN = 21 SQ FT AND THE DATE PANEL 2 WILL NOT BE MEASURED  
SEPARATELY FOR PAYMENT.

MODEL: Default  
FILE NAME: P:\2024\ME24020\_PTB 205-023 D3 PH II\_K&TWIE24020.08 PTB 205-023 WO 8\_IL 4701-CADD\02-Shs\0366R14-shl-Title.dgn



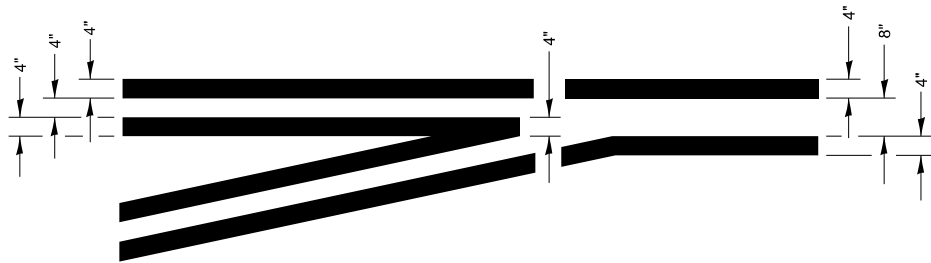
USER NAME = mamidon	DESIGNED - MLA	REVISED -
DRAWN - MJR	REVISED -	
PLOT SCALE = 100,000' / in.	CHECKED - ERO	REVISED -
PLOT DATE = 1/29/2025	DATE - 1/29/2025	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

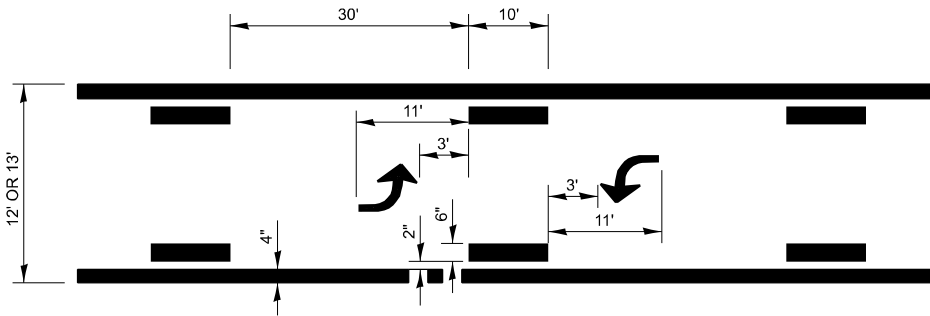
DISTRICT 3 STANDARDS

SHEET 2 OF 5 SHEETS STA. TO STA.

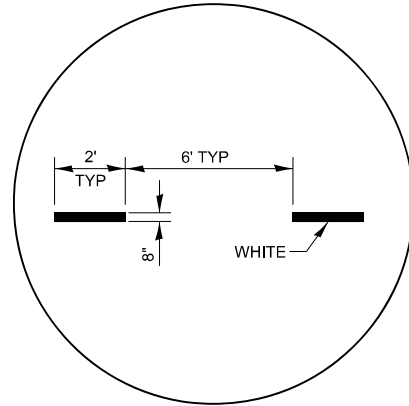
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(109)RS-6	KENDALL	29	26
CONTRACT NO. 66R14				
ILLINOIS FED. AID PROJECT				



**LEFT TURN LANE  
TYPICAL APPLICATION**

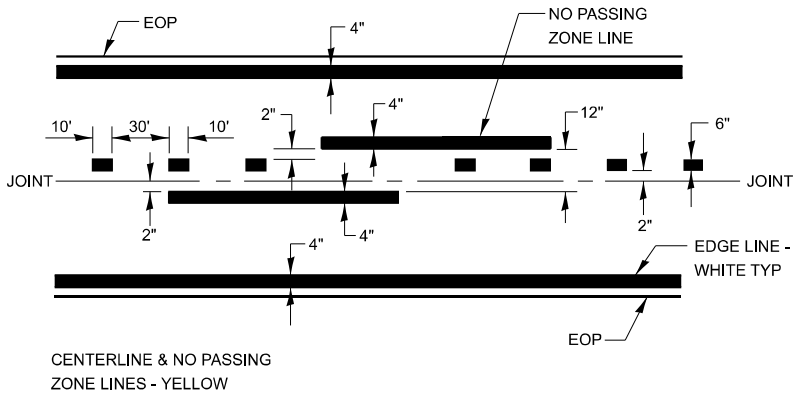


**TYPICAL APPLICATION @  
BI-DIRECTIONAL TURN LANE**

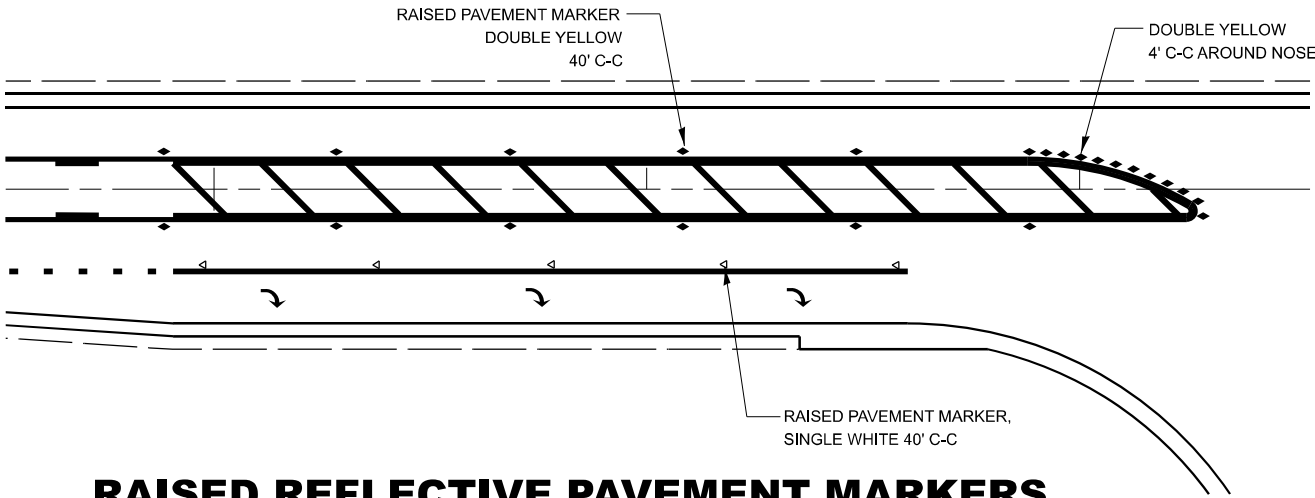


**ADVANCE AND INTERSECTION LANE  
DIVIDER LINES**

DESIGNER NOTE:  
MINIMUM 2 SETS OF ARROWS, ADDITIONAL SETS AT 200'-300' APART.



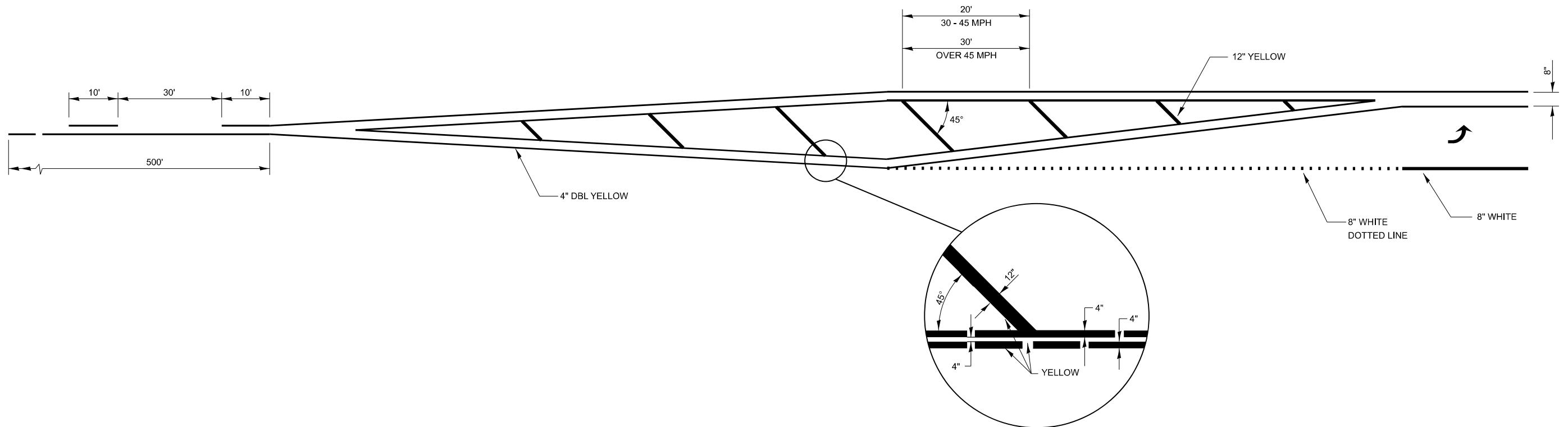
**PAVEMENT MARKING**



**RAISED REFLECTIVE PAVEMENT MARKERS  
@ RIGHT TURN LANE**

MODEL: Default  
FILE NAME: P:\2024\ME24020\_PTB 205-423 D3 PH II K&TWIE24020.08 PTB 205-423 WO 8 IL 4701-CADD\02-ShsID366R14-shl-Title.dgn

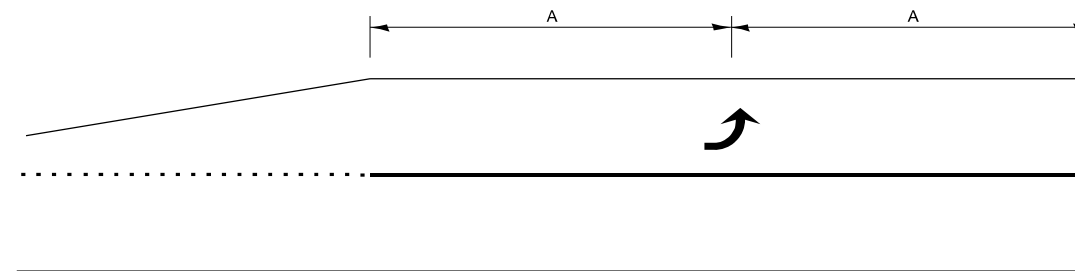
MODEL: Default  
FILE NAME: P:\2024\ME24020\_PTB 205-023 D3 PH II\_K&TWIE24020.08 PTB 205-023\_WO 8\_IL 4701-CADD\02-Shs\ID366R14-shl-Title.dgn



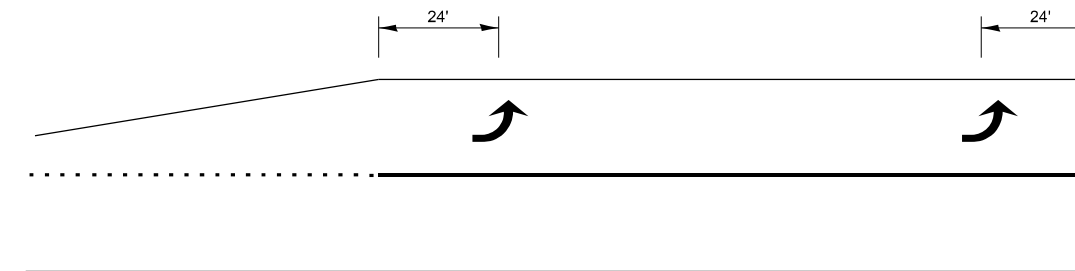
LEFT TURN LANE WITH APPROACH MEDIAN

	USER NAME = mamidon	DESIGNED - MLA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 3 STANDARDS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,000' / in.	DRAWN - MJR	REVISED -					326	(109)RS-6	KENDALL	29	28
	PLOT DATE = 1/29/2025	CHECKED - ERO	REVISED -		SHEET 4 OF 5 SHEETS			CONTRACT NO. 66R14				
		DATE - 1/29/2025	REVISED -		STA. TO STA.			ILLINOIS FED. AID PROJECT				

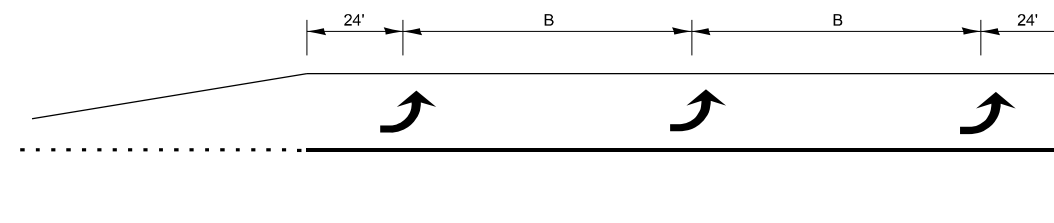




## 99' AND UNDER



**100' TO 149'**



## 150' AND LONGER

## TYPICAL PLACEMENT OF ARROWS IN TURN LANES