### INDEX OF SHEETS

#### SHEET NO. ITEM

6-9

COVER SHEET

INDEX, STANDARDS, AND GENERAL NOTES

SCHEDULE OF QUANTITTIES

SUMMARY OF QUANTITTIES 4-5 TYPICAL CROSS SECTIONS

10-11 PAVEMENT MARKING SHEETS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 11:

#### STANDARD NO. DESCRIPTION

420001-10 PAVEMENT JOINTS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442101-09	CLASS B PATCHES
642001-03	SHOULDER RUMBLE STRIPS, 16 IN.
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS MORE THAN 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

## GENERAL NOTES

THIS PROJECT IS LOCATED ON FAI ROUTE 57 (I-57) IN EFFINGHAM COUNTY, FROM (NB): S OF I-70 RAMP TO 0.1 MI N; (SB): 0.1 MI S OF I-70 RAMP (SB) TO 0.1 MI N OF I-70 (NB). THE WORK INCLUDED IN SECTION D7 HMA RESURF 2023-1 CONSISTS OF PAVEMENT PATCHING, HOT-MIX ASPHALT SURFACE REMOVAL, (SMART) HOT-MIX ASPHALT RESURFACING, PAVEMENT MARKING, TRAFFIC CONTROL, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

THE QUANTITY OF PATCHING SHOWN ON THE PLANS IS AN ESTIMATE. THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

MILLED PAVEMENT SHALL BE RESURFACED WITHIN 5 CALENDAR DAYS.

LONGITUDINAL JOINT SEALANT WILL BE APPLIED AT ALL CENTERLINE AND RAMP LANE

WHEN APPLYING SHORT-TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

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

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE STONE MATRIX ASPHALT, MIX "E", N80: 130 LBS/SQYD/INCH

BITUMINOUS MATERIALS (TACK COAT): 0.05 LBS/SQFT

NOTE: ALL QUANTITIES SOUTH OF NB STATION 5020 + 20, SB STATION 5020 + 20, AND RAMP I-70 E - I-57 S STATION 10+05 SHALL BE PAID FOR AS RURAL, THEREFORE EVERYTHING NORTH OF THOSE STATIONS SHALL BE PAID FOR AS URBAN.

NOTE: "\*" IN THE PATCHING SCHEDULE SHALL BE PAID FOR AS RURAL.

	THE FOLLOWING MIXTU	URE REQUIREM	MENTS ARE AL	PPLICABLE TO TH	HIS PROJECT:				
LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, IL-12.5, MIX "E", N80	SBS PG 76-22			MIXTURE E	N80	QCQA	N/A	YES
$\sim\sim\sim$	$\cdots$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim\sim$	$\overline{m}$
SHOULDER	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, N70, MIX "C"	PG 64-22	4.0% @ 70	IL - 9.5	MIXTURE C	N70	QCQA	N/A	N/A
						. د د د د د			

⚠ REVISED 4-11-2022

REV. - MS

USER NAME = steffenmk	DESIGNED	REVISED _			GENERAL	NOTES A	ND INDE	Y NE CH	FFTC	F.A.I.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN	REVISED _	STATE OF ILLINOIS		GENERAL	MOILS A	IND INDL	X 01 311	LLIS	57	D7 HMA RESURF 2023-1	EFFINGHAM	11	2
PLOT SCALE = 100.0000 / in.	CHECKED =	REVISED -	DEPARTMENT OF TRANSPORTATION						Ť			CONTRAC	T NO. 74	4A75
PLOT DATE = 2/9/2022	DATE	REVISED +		SCALE:	SHEET 2	OF 25	SHEETS ST	ΓA.	TO STA.		ILLINOIS FED. AI	D PROJECT		

90% FED 90% FED 10% STATE 10% STATE CONSTRUCTION TYPE CODE CONSTRUCTION TYPE CODE OF QUANTITIES SUMMARY OF QUANTITIES SUMMARY 0005 0005 0005 0005 TOTAL TOTAL URBAN URBAN RURAI RURAL ITEM ITEM CODE NO UNIT QUANTITIES CODE NO UNIT QUANTITIES 40600290 | BITUMINOUS MATERIALS (TACK COAT) POUND 8731 3830 4901 70107025 CHANGEABLE MESSAGE SIGN CAL DA 14 14 28 FOOT 4422 2325 2097 FOOT 852 392 460 40600370 LONGITUDINAL JOINT SEALANT 70300100 | SHORT TERM PAVEMENT MARKING SQ YD 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL SQ FT 129 152 TEMPORARY RAMP 130 37 281 40600990 93 mm $\infty$ HOT-MIX ASPHALT SURFACE COURSE, 813 313 40604052 500 IL 9.5, MIX "C". N70 40605034 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, TON 1580 744 836 ★ 78000400 THERMOPLASTIC PAVEMENT MARKING - LINE 6" F00T 9058 3356 5702 STONE MATRIX ASPHALT, 12.5, MIX "E", N80 777 385 🛪 78000500 | THERMOPLASTIC PAVEMENT MARKING - LINE 8" F00T 1162 44000157 HOT-MIX ASPHALT SURFACE REMOVAL, 2" SQ YD 19401 8510 10891 77 77 🛪 78000600 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" F00T 44201043 CLASS B PATCHES, TYPE II, 16 INCH SQ YD 823 430 393 350 470 🗚 78004230 | PREFORMED PLASTIC PAVEMENT MARKING, TYPE B -F00T 820 EACH 44201299 | DOWEL BARS 1 1/2" 1888 1012 876 INLAID - LINE 6" 3356 5702 44213200 | SAW CUTS FOOT 4578 2440 2138 78011035 GROOVING FOR RECESSED PAVEMENT MARKING 7" F00T 9058 FOOT 9058 3356 5702 x 78011045 GROOVING FOR RECESSED PAVEMENT MARKING 9" F00T 1162 777 385 64200116 SHOULDER RUMBLE STRIPS, 16 INCH 77 67100100 MOBILIZATION L SUM 0.32 GROOVING FOR RECESSED PAVEMENT MARKING 13" 77 1 0.68 78011065 F00T 70100420 TRAFFIC CONTROL AND PROTECTION, STANDARD EACH EACH 66 2 2 🖈 78100100 | RAISED REFLECTIVE PAVEMENT MARKER 112 46 701411 66 78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL EACH 112 46 70100800 TRAFFIC CONTROL AND PROTECTION, STANDARD 0.32 L SUM 0.68 2522 1416 701401 Z0034105 MATERIAL TRANSFER DEVICE TON 1106 70103815 | TRAFFIC CONTROL SURVEILLANCE CAL DA 10 5

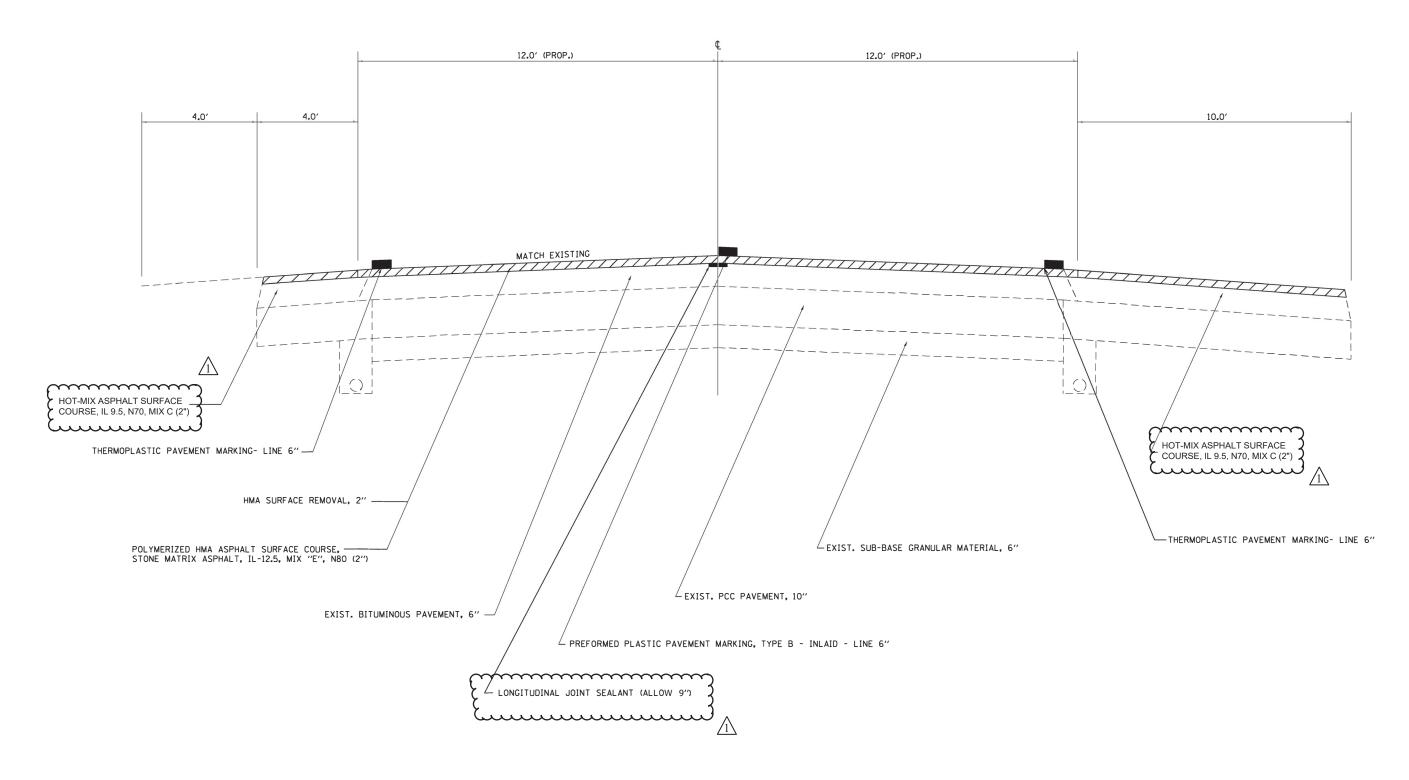
\* SPECIALTY ITEM

⚠ REVISED 4-11-2022

REV. - MS

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED _
PLOT SCALE = 100.0000 ' / in.	CHECKED _	REVISED _
PLOT DATE = 2/9/2022	DATE	REVISED _

# TYPICAL CROSS SECTION

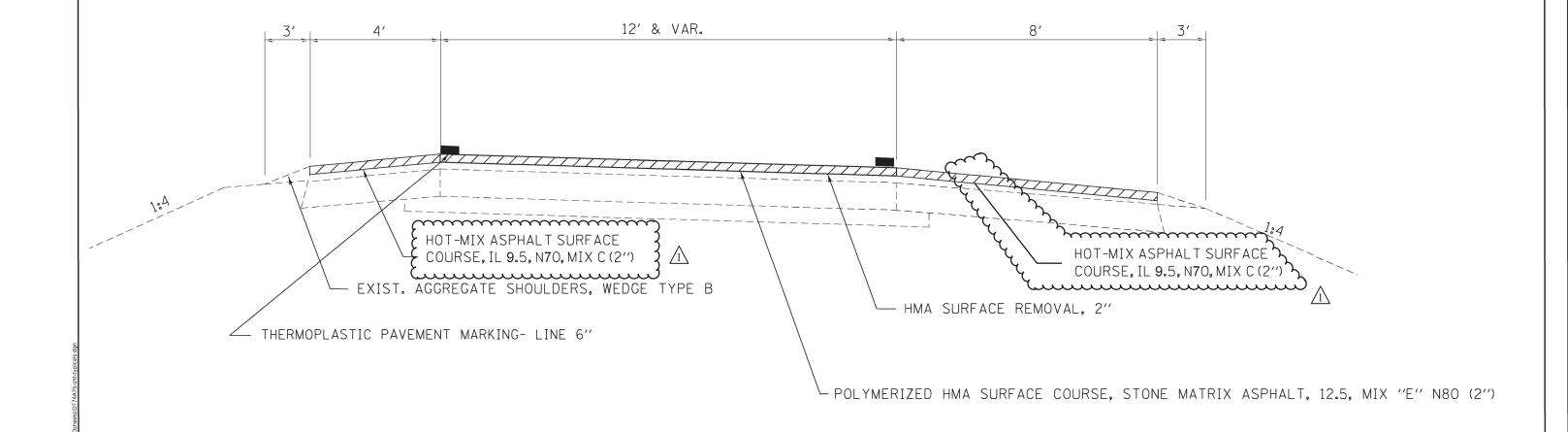


⚠ REVISED 4-11-2022

USER NAME = steffenmk	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS			TYPICAL	CROSS SECT	ПОМ	F.A.I. RTE.	SECTION SECURE 2022 1	COUNTY	SHEETS NO.
PLOT SCALE = 100.0000 ' / in.	CHECKED _	REVISED _	DEPARTMENT OF TRANSPORTATION						37	D7 HMA RESURF 2023-1	CONTRACT	NO. 74A75
PLOT DATE = 2/9/2022	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS STA	. TO STA.	$\perp$	ILLINOIS FED. A	ID PROJECT	

# PROPOSED TYPICAL SECTION

RAMPS A & B



NOTE: NOT TO SCALE

⚠ REVISED 4-11-2022

 USER NAME = steffenmk	DESIGNED _	REVISED _								F.A.I.	SECTION	COUNTY	TOTAL SHE	Ē
	DRAWN _	REVISED _	STATE OF ILLINOIS			TYPICAL	CROSS S	SECTION		57	D7 HMA RESURF 2023-1	EFFINGHAM	11 5	
PLOT SCALE = 100.0000 · / in.	CHECKED _	REVISED _	DEPARTMENT OF TRANSPORTATION							j — '	-		Γ NO. 74A75	,-
PLOT DATE = 2/9/2022	DATE _	REVISED _		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ì	ILLINOIS FED. AI	D PROJECT		-1

	STATION	DIRECTION	LANE	LENGTH	WIDTH		PATCH	AREA		DOWEL	SAW CUTS
						TYPE I	TYPE II	TYPE III	TYPE IV	BARS	
						16.0''	16.0''	16.0''	16.0''	44201299	44213200
				(ft)	(ft)	(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)	(each)	(ft)
	I-70 EB RAMP	TO I-57 SB				0.0	0.0	0.0	0.0	0	0.0
	7+12.00		DRIVING	6	14	0.0	9.3	0.0	0.0	24	54.0
	8+04.00		DRIVING	6	14	0.0	9.3	0.0	0.0	24	54.0
*	10+12.00		DRIVING	6	14	0.0	9.3	0.0	0.0	24	54.0
*	11+07.00		DRIVING	7	14	0.0	10.9	0.0	0.0	24	56.0
*	13+00.00		DRIVING	6	14	0.0	9.3	0.0	0.0	24	54.0
*	13+68.00		DRIVING	6	14	0.0	9.3	0.0	0.0	24	54.0
*	14+02.00		DRIVING	6	14	0.0	9.3	0.0	0.0	24	54.0
*	15+25.00		DRIVING	6	14	0.0	9.3	0.0	0.0	24	54.0
*	16+02.00		DRIVING	6	14	0.0	9.3	0.0	0.0	24	54.0
*	17+20.00		DRIVING	6	14	0.0	9.3	0.0	0.0	24	54.0
						0.0	94.9	0.0	0.0	240.0	542.0
				SUB TOTALS		(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)	(each)	(ft)
							PATCH	I AREA		DOWEL	SAW CUTS
						TYPE I	TYPE II	TYPE III	TYPE IV	BARS	
						16.0''	16.0''	16.0''	16.0''	44201299	44213200
						(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)	(each)	(ft)
						0.0	822.9	0.0	0.0	1888.0	4578.0
				TOTALS		(sq. yd)	(sq. yd)	(sq. yd)	(sq. yd)	(each)	(ft)

1

	AVIN( HEDU		BITUMINOUS MATERIALS (TACK COAT)	HMA SURFACE REMOVAL, 2"	TEMPORARY RAMP	HOT- MIX ASPHALT SURFACE COURSE, IL- 9.5, N70, MIX C	POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, MIX "E"
MILE PO	ST TO MI	LE POST	POUND	SQ YD	SQ YD	TON	TON
ALC:			NORTH	BOUND			
14.40	ТО	14.55	1926.0	4280.0	37.0	191.0	342.0
		NORTH	BOUND RA	AMP TO I-	70 WEST		
0	TO	JOINT	1263.0	2806.0	9.0	133.0	202.0
N	ORTHBOU	ND TOTAL:	3189	7086	46	324	544
			SOUTH	BOUND			Subtrace.
14.28	то	14.61	4161.0	9247.0	75.0	361.0	813.0
	SOUT	THBOUND R	AMP FROM	4 [-70 EAS	ST TO 1-57	SOUTH	Colon A Red Color
JOINT	то	0.34	1381.0	3068.0	9.0	128.0	223.0
SO	UTHBOUN	D TOTALS:	5542	12315	84	489	1036
		TOTALS:	8731	19401	130	813	1580

MA	VEME ARKIN HEDU	١G	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMI MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING LINE 6"	THERMOPLASTIC PAVEMENT MARKING. LINE 8"	THERMOPLASTIC PAVEMENT MARKING LINE 12"	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B- INLAID- LINE	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	SHOULDER RUMBLE STRIPS, 16 INCH	
MILE PO	ST TO MI	LE POST	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	EACH	EACH	FOOT	
NORTHBOUND 1-57												
14.40	TO	14.55	133.0	44.0	2026.0	0.0	0.0	260.0	24.0	24.0	2026	
NORTHBOUND RAMP TO 1-70 WEST												
0	TO	JOINT	0.0	0.0	1432.0	374.0	77.0	0.0	30.0	30.0	1432	
NO	RTHBOUN	ID TOTALS:	133	44	3458	374	77	260	54	54	3458	
				SOU	THBOUN	D I-57						
14.28	TO	JOINT	45.0	15.0	698.0	0.0	0.0	80.0	10.0	10.0	698	
		SC	оитнвои	ND I-57 I	BRIDGE JO	DINT TO END	PROJECT					
JOINT	TO	14.61	248.0	82.0	3778.0	0.0	0.0	480.0	48.0	48.0	3778	
		50	UTHBOUN	ID RAMP	FROM I-7	0 EAST TO I	-57 SOUTH					
JOINT	TO	0.34	0.0	0.0	1124.0	788.0	0.0	0.0	0.0	0.0	1124	
SO	UTHBOUN	ID TOTALS:	293	97	5600	788	0	560	58	58	5600	
		TOTALS	426	141			77					
TWO	LAYERS		X2									
		TOTALS:	852	281	9058	1162	77	820	112	112	9058	

"\*" RURAL FUND CODE

⚠ REVISED 4-11-2022

USER NAME = steffenmk	DESIGNED -	REVISED -								F.A.I.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS			CHEDUL		ANTITIES		57	D7 HMA RESURF 2023-1	EFFINGHAM	11	9
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRACT	T NO. 74	A75
PLOT DATE = 2/9/2022	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		