

INDEX OF SHEETS

GENERAL NOTES

THIS PROJECT IS LOCATED ON FAI 57/70, AT THE TRI-LEVEL, SOUTHWEST OF EFFINGHAM.

THE WORK ON THIS PROJECT CONSISTS OF EXPANSION JOINT REPLACEMENT, BRIDGE DECK PATCHING, SCARIFICATION, BRIDGE DECK OVERLAY, NEW APPROACHES, DIAMOND GRINDING, AND SLOPEWALL REPAIR.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE HMA SURFACE COURSE.

WHEN APPLYING SHORT TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE.

A UNIFORMLY STRAIGHT SAW CUT SHALL BE MADE AT LOCATIONS WHERE PROPOSED NEW CONSTRUCTION WILL ABUT EXISTING HOT-MIX ASPHALT SURFACES. THE SAW CUT SHALL BE MADE THE SAME DEPTH AS THE HOT-MIX ASPHALT SURFACE REMOVAL. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS INVOLVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.

SHEET NO. ITEM

1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STANDARDS, AND GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5	SCHEDULE OF QUANTITIES
6	SN 025-0001 PLAN SHEET
7	SN 025-0018 PLAN SHEET
8-13	SN 025-0001 STAGING PLANS
14	SN 025-0018 DETOUR SHEET
15-30	SN 025-0001 REPAIR SHEETS
31-43	SN 025-0018 REPAIR SHEETS
44-45	DISTRICT 7 DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 45:

STANDARD DESCRIPTION

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420406	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-11	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701406-13	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
420001-10	PAVEMENT JOINTS

APPLICATION RATES

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

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



MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR Voids	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE	POLYMERIZED HMA SURFACE COURSE, IL-9.5, MIX "D", N90	SBS PG 70-22	4.0% @ N=90	IL - 9.5	MIXTURE D	N90	QC/QA	N/A	N/A
HMA CONNECTOR	POLYMERIZED HMA BINDER COURSE, IL-19.0, N90	SBS PG 70-22	4.0% @ N=90	IL - 19.0	N/A	N90	QC/QA	N/A	N/A

▲ REVISED 10-27-2022

REV. - MS

MODEL: D:\draft\...
 FILE NAME: P:\w\l\dot-cw\be\...
 PROJECT: 74A69\DOT Office\District 7\Project\74A69\CADD\Drawings\CADD\Drawings\74A69-sht-indexnote.dwg

USER NAME = Mona.Steffen	DESIGNED - LMH	REVISED -
	DRAWN - LMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/5/2022	DATE - 9/6/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: NO SCALE SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	D7 BRIDGE REPAIRS 2023-1	EFFINGHAM	45	2
			CONTRACT NO. 74A69	
		ILLINOIS	FEED PROJECT	

URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0013 90% FEDERAL 10% STATE		
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	73	73		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	296	296		⚠
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	400	400		
40604164	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	TON	74	74		
42000070	PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	SQ YD	116	116		
44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SQ YD	129	129		
50102400	CONCRETE REMOVAL	CU YD	88.8	88.8		
50104650	SLOPE WALL REMOVAL	SQ YD	110	110		
50157300	PROTECTIVE SHIELD	SQ YD	405	405		
50300225	CONCRETE STRUCTURES	CU YD	32	32		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	92.2	92.2		
50300300	PROTECTIVE COAT	SQ YD	1710	1710		
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	100	100		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	55720	55720		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0013 90% FEDERAL 10% STATE		
50800515	BAR SPLICERS	EACH	350	350		
51100300	SLOPE WALL 6 INCH	SQ YD	110	110		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	368	368		
67100100	MOBILIZATION	L SUM	1	1		
70100205	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	EACH	2	2		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2		
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1		
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1	1		
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	1131	1131		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	475	475		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	725	725		

⚠ REVISED 10-27-2022

REV. - MS

MODEL: Default
FILE: \\miller-pw-bentley.com\pwwd\Documents\DOT_Offices\District_7\Projects\74A69\CADD\Drawings\CAD\Drawings\74A69-PT-500.dgn

USER NAME = Mona.Steffen	DESIGNED - LMH	REVISED -
	DRAWN - LMH	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 9/6/2022	DATE - 9/6/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NO SCALE SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	D7 BRIDGE REPAIRS 2023-1	EFFINGHAM	45	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74A69	

MOORE, D:\draft
 FILE NAME: p:\projects\74A69\CADD\Drawings\DOT Offices\District 7\Projects\74A69\CADD\Drawings\74A69-sht-schedule.dgn

PAVEMENT MARKING SCHEDULE			78004630 PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6", YELLOW	78004630 PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 6", WHITE	78011035 GROOVING FOR RECESSED PAVEMENT MARKING 7"
STATION TO STATION			FOOT	FOOT	FOOT
5028C+11.25	TO	5030C+86.98	275.7	344.7	621.5
4F+68.88	TO	9F+59.26	490.4	490.4	981.5
TOTALS:			1603.0		1603.0

BRIDGE STAGING SCHEDULE							
LOCATION	70107005 PAVEMENT MARKING BLACKOUT TAPE, 5"	70300150 SHORT TERM PAVEMENT MARKING REMOVAL	70400100 TEMPORARY CONCRETE BARRIER	70400125 PINNING TEMPORARY CONCRETE BARRIER	70400200 RELOCATE TEMPORARY CONCRETE BARRIER	70600250 IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	70600350 IMPACT ATTENUATORS RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3
	FOOT	SQ FT	FOOT	EACH	FOOT	EACH	EACH
STAGE 1: SN 025-0001	737.6	310.0	725.0	12.0	-	1.0	-
STAGE 2: SN 025-0001	393.2	165.0	-	12.0	725.0	-	1.0
TOTALS:	1131.0	475.0	725.0	24.0	725.0	1.0	1.0

SN 025-0001 PAVEMENT SCHEDULE				
STATION TO STATION			42000070 PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB	Z0004552 APPROACH SLAB REMOVAL
			SQ YD	SQ YD
5028C+11.25	TO	5028C+26.25	57.8	57.8
5028C+26.25	TO	5028C+56.25	-	115.7
5030C+41.98	TO	5030C+71.98	-	115.7
5030C+71.98	TO	5030C+86.98	57.8	57.8
TOTALS:			116.0	347.0

SN 025-0018 PAVEMENT SCHEDULE						
STATION TO STATION			40600982 HMA SURFACE REMOVAL, BUTT JOINT	40604164 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N90	44000151 HMA SURFACE REMOVAL, 1/2"	Z0038115 PCC SURFACE REMOVAL, 1/2"
			SQ YD	TON	SQ YD	SQ YD
4F+68.88	TO	5F+38.88	199.6	22.4	-	-
5F+38.88	TO	5F+83.88	-	14.4	-	129
8F+44.26	TO	8F+89.26	-	14.4	129	-
8F+89.26	TO	9F+59.26	199.6	22.4	-	-
TOTALS:			400.0	74.0	129.0	129.0

40600290 BITUMINOUS MATERIALS (TACK COAT)	POUND
	89.8
	57.8
	57.8
	89.8
	296.0

1

△ REVISED 10-27-2022

USER NAME = Mona.Steffen DRAWN = LMH PLOT SCALE = 100.0000' / in. PLOT DATE = 9/6/2022	DESIGNED = LMH CHECKED = DATE = 9/6/2022	REVISED = REVISED = REVISED = REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	SCALE: NO SCALE SHEET 1 OF 1 SHEETS STA. TO STA.	F.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 57/70 D7 BRIDGE REPAIRS 2023-1 EFFINGHAM 45 5 ILLINOIS FED. AID PROJECT CONTRACT NO. 74A69
---	--	--	---	-------------------------------	---	--