

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
685	118RS-4;119RS-5	MCDONOUGH	12	1
		ILLINOIS	CONTRACT NO. 68J17	

D-94-041-24

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL AND JOB SPECIFIC NOTES
- 3 SUMMARY OF QUANTITIES
- 4-5 SCHEDULE OF QUANTITIES
- 6 LINE DIAGRAM
- 7-10 TYPICAL SECTIONS
- 11-12 DISTRICT CADD STANDARDS

HIGHWAY STANDARDS

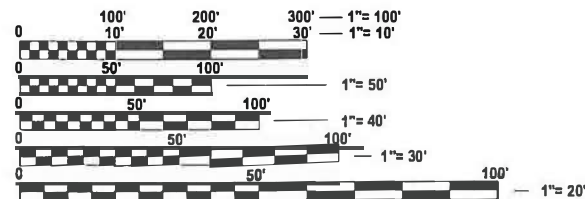
701301-04
701306-04
701311-03
701901-10
780001-05
781001-04

DISTRICT STANDARDS

780001-D4

DESIGN DESIGNATION

MINOR ARTERIAL
ADT (2023): 1675
SU: 92 (5.49%)
MU: 95 (5.67%)



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) 671-3454
PROJECT MANAGER: RAYMOND SAMARA (309) 671-3466

CATALOG NO. 036510-00D
CONTRACT NO. 68J17

PROPOSED
HIGHWAY PLANS

FAP ROUTE 685 (IL 9)
SECTION 118RS-4;119RS-5
PROJECT STP-UF7Z(779)
PAVEMENT PRESERVATION
MCDONOUGH COUNTY

C-94-063-24

OMISSION: SN 055-0042
STA. 149+43 TO STA 150+77

OMISSION: SN 055-0043
STA. 254+06 TO STA 255+23

PROJECT BEGINS
STA. 00+00

STA. EQUATION
113+75.80(BK) = 00+00(AH)

OMISSION: SN 055-0028
STA. 494+71 TO STA 495+81

PROJECT ENDS
STA. 529+23

GROSS LENGTH = 64,298.80 FT. = 12.18 MILE
NET LENGTH = 63,937.80 FT. = 12.11 MILE



PROJECT DESCRIPTION:

CAPE SEAL ON IL 9 FROM HANCOCK COUNTY LINE TO US 67 IN
GOOD HOPE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 03 20 24
Kensil A. Barrett ESP
REGIONAL ENGINEER

January 31 20 25
Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

January 31 20 25
John J. Barry
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.

No commitments have been made for this project.

NO PASSING ZONE VERIFICATION:

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

JOB SPECIFIC NOTES

SURFACE TEST APPLICATION:

Smoothness tests on the completed surface will not be required; but the engineer reserves the right to require corrective measures when obvious surface variations are present.

CAPE SEAL TREATMENT:

The materials for the A-1 surface shall be (crushed) CA-20, (crushed) CA-16 may be used if approved by the engineer.

The micro-surfacing application shall be single pass.

MODIFIED URETHANE PAVEMENT MARKING:

Two applications shall be placed. The first application shall be applied after the proposed treatment curing time as specified in the standard specifications.

The second application shall be applied thirty (30) days after the first application is applied.

Prior to cape seal, the Contractor shall be responsible for capturing the original centerline as directed by the engineer. This work shall be included in the cost of the "cape seal".

MODEL: General Notes [Sheet]
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	USER NAME = Brian.Bouris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL AND JOB SPECIFIC NOTES				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						685	118RS-4;119RS-5	MCDONOUGH	12	02
		CHECKED -	REVISED -						CONTRACT NO. 68J17				
	PLOT DATE = 7/15/2024	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

MODEL: Typical Sections [Sheet] - 1
FILE NAME: c:\pawork\pawork\lbrarian.bouris@illinois.gov\0991136\0468.117-shl-SOC.dgn

				CONSTRUCTION CODE
				80% FEDERAL 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005
				URBAN
40400020	BUMP REMOVAL	EACH	50	50
40500001	FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	10000	10000
40500061	CAPE SEAL	SQ YD	170501	170501
67100100	MOBILIZATION	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14
70300100	SHORT TERM PAVEMENT MARKING	FOOT	19293	19293
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2144	2144
*	78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	102294
*	78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	250296
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	833
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	833
	X4060107	BITUMINOUS MATERIALS (FOG SEAL)	POUND	1106
	X4400196	HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)	SQ YD	170501

	USER NAME = Brian.Bouris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					685	118RS-4;119RS-5	MCDONOUGH	12	03
		CHECKED -	REVISED -					CONTRACT NO. 68J17				
	PLOT DATE = 9/17/2024	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

MODEL: Schedule [Sheet] - 1
FILE NAME: c:\pw_work\pwtdobrian.bouris@illinois.gov\0991136\0468\17-sfhschedule.dgn

CAPE SEAL						
LOCATION				LENGTH	WIDTH	AREA
				FT	FT	SQ YD
IL 9						
STA.	0+00	TO	113+76	11,376	24.0	30,336.00
STA. EQ. 113+76 BK = 0+00 AH						
STA.	0+00	TO	149+43	14,943	24.0	39,848.00
STA.	149+43	TO	150+77	BRIDGE OMISSION		
STA.	150+77	TO	254+06	10,329	24.0	27,544.00
STA.	254+06	TO	255+23	BRIDGE OMISSION		
STA.	255+23	TO	494+71	23,948	24.0	63,861.33
STA.	494+71	TO	495+81	BRIDGE OMISSION		
STA.	495+81	TO	529+23	3,342	24.0	8,912.00
TOTAL						170,501

HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL						
LOCATION				LENGTH	WIDTH	AREA
				FT	FT	SQ YD
IL 9						
STA.	0+00	TO	113+76	11,376	24.0	30,336.00
STA. EQ. 113+76 BK = 0+00 AH						
STA.	0+00	TO	149+43	14,943	24.0	39,848.00
STA.	149+43	TO	150+77	BRIDGE OMISSION		
STA.	150+77	TO	254+06	10,329	24.0	27,544.00
STA.	254+06	TO	255+23	BRIDGE OMISSION		
STA.	255+23	TO	494+71	23,948	24.0	63,861.33
STA.	494+71	TO	495+81	BRIDGE OMISSION		
STA.	495+81	TO	529+23	3,342	24.0	8,912.00
TOTAL						170,501

JOB SITE QUANTITIES		
MOBILIZATION		1 L SUM
CHANGEABLE MESSAGE SIGN (2 SIGNS @ 7 DAYS EACH)		14 DAYS
TRAFFIC CONTROL AND PROTECTION STD 701306		1 L SUM

BITUMINOUS MATERIALS (FOG SEAL)				
LOCATION		LENGTH	WIDTH	.08 LBS/SQFT
		FT	FT	POUND
IL 9 SHOULDERS				
STA.	76+43 TO 82+49	606	4.0	193.92
STA. EQ. 113+76 BK = 0+00 AH				
STA.	146+68 TO 149+43	275	8.0	176.00
STA.	149+43 TO 150+77	BRIDGE OMISSION		
STA.	150+77 TO 153+39	262	8.0	167.68
STA.	251+81 TO 254+06	225	8.0	144.00
STA.	254+06 TO 255+23	BRIDGE OMISSION		
STA.	255+23 TO 257+51	228	8.0	145.92
STA.	492+52 TO 494+71	219	8.0	140.16
STA.	494+71 TO 495+81	BRIDGE OMISSION		
STA.	495+81 TO 497+97	216	8.0	138.24
TOTAL				1,106

FIBER -MODIFIED ASPHALT CRACK SEALING*		
LOCATION		LENGTH
		FT
IL 9 MCDONOUGH COUNTY		10,000
TOTAL		10,000
*ROUT AND SEAL TRANSVERSE (WORKING) CRACKS AND SEAL LONGITUDINAL CRACKS		

BUMP REMOVAL	
LOCATION	EACH
IL 9 MCDONOUGH COUNTY	50
TOTAL	50

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		DRAWN -	REVISED -					685	118RS-4;119RS-5	MCDONOUGH	12	04
		CHECKED -	REVISED -					CONTRACT NO. 68J17				
	PLOT DATE = 8/2/2024	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

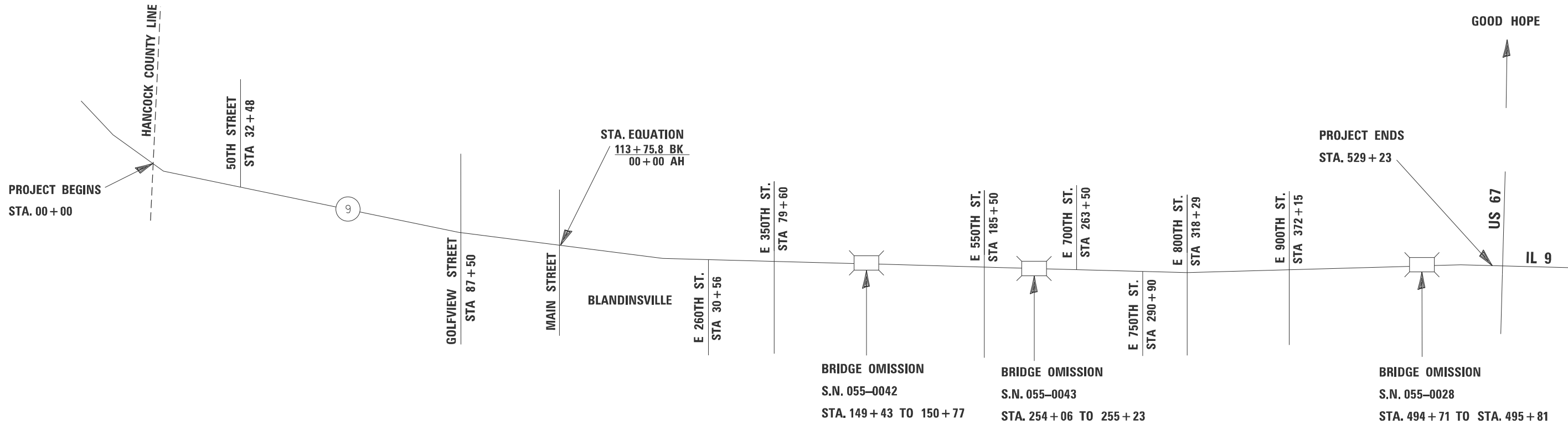
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FILE NAME: c:\p\work\pwtolbrian.bouris@illinois.gov\d0991136\D468.117-sht-schedule.dgn

PAVEMENT MARKING								
LOCATION				MODIFIED URETHANE PAVEMENT MARKING LINE 6"		MODIFIED URETHANE PAVEMENT MARKING LINE 4"		
				SOLID WHITE		NP ZONES		YELLOW SKIP DASH
				EB	WB	EB	WB	
				FT		FT		FT
IL 9								
STA.	0+00	TO	1+58	158	158		158	40
STA.	1+58	TO	15+84	1426	1426			357
STA.	15+84	TO	24+81	897	897	897		224
STA.	24+81	TO	36+96	1215	1215	1215	1215	
STA.	36+96	TO	48+04	1108	1108		1108	277
STA.	48+04	TO	61+77	1373	1373			343
STA.	61+77	TO	71+80	1003	1003	1003		251
STA.	71+80	TO	88+17	1637	1637	1637	1637	
STA.	88+17	TO	93+98	581	581		581	145
STA.	93+98	TO	113+76	1978	1978			494
STA. EQ. 113+76 BK = 0+00 AH								
STA.	0+00	TO	75+79	7579	7579			1895
STA.	75+79	TO	79+49	370	370	370	370	
STA.	79+49	TO	103+25	2376	2376	2376	2376	
STA.	103+25	TO	112+75	950	950	950		238
STA.	112+75	TO	135+98	2323	2323	2323	2323	
STA.	135+98	TO	147+60	1162	1162	1162		291
STA.	147+60	TO	157+10	950	950	950	950	
STA.	157+10	TO	167+13	1003	1003		1003	251
STA.	167+13	TO	235+77	6864	6864			1716
STA.	235+77	TO	248+97	1320	1320	1320		330
STA.	248+97	TO	278+54	2957	2957	2957	2957	
STA.	278+54	TO	286+46	792	792		792	198
STA.	286+46	TO	412+13	12567	12567			3142
STA.	412+13	TO	418+99	686	686	686		172
STA.	418+99	TO	419+52	53	53			13
STA.	419+52	TO	428+50	898	898		898	225
STA.	428+50	TO	494+00	6550	6550			1638
STA.	494+00	TO	502+95	895	895	895		224
STA.	502+95	TO	510+33	738	738	738	738	
STA.	510+33	TO	520+90	1057	1057		1057	264
STA.	520+90	TO	523+54	264	264			66
STA.	523+54	TO	529+23	569	569		569	142
46 Sidestreet gaps @ 75' each				-1,725	-1,725			
SUB-TOTAL				62,574	62,574	19,479	18,732	12,936
TOTAL				125,148		51,147		
GRAND TOTAL (2 APPLICATIONS)				250,296		102,294		

SHORT-TERM PAVEMENT MARKING					
LOCATION				SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL
				FT	SQ FT
IL 9					
STA.	0+00	TO	113+76	1138	379
STA. EQ. 113+76 BK = 0+00 AH					
STA.	0+00	TO	529+23	5293	1765
SUB-TOTAL				6,431	2,144
3 APPLICATIONS				19,293	
TOTAL				19,293	2,144
*Pavement Marking Tape (Type I) shall be used after the Microsurface is applied.					
*Paint shall be used after the Bituminous Surface Treatment (A-I) is applied.					
*Tape (Type I) or paint shall be used after the HMA surface removal. (If tape is used, it shall be removed before the A-1 surface is applied)					

RAISED REFLECTIVE PAVEMENT MARKERS						
LOCATION				LENGTH	REMOVAL	TWO WAY AMBER
				FT	EACH	EACH
STA.	0+00	TO	86+90	8,690	109	109
STA.	86+90	TO	113+76	2,686	67	67
STA. EQ. 113+76 BK = 0+00 AH						
STA.	0+00	TO	42+98	4,298	54	54
STA.	42+98	TO	149+43	10,645	133	133
STA.	149+43	TO	150+77	BRIDGE OMISSION		
STA.	150+77	TO	254+06	10,329	129	129
STA.	254+06	TO	255+23	BRIDGE OMISSION		
STA.	255+23	TO	325+20	6,997	87	87
STA.	325+20	TO	494+71	16,951	212	212
STA.	494+71	TO	495+81	BRIDGE OMISSION		
STA.	495+81	TO	529+23	3,342	42	42
TOTAL					833	833

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		DRAWN -	REVISED -					685	118RS-4:119RS-5	MCDONOUGH	12	05
		CHECKED -	REVISED -					CONTRACT NO. 68J17				
	PLOT DATE = 8/2/2024	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	



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FILE NAME: c:\p\work\p\w\idobrian.bouris@illinois.gov\091136\0468\17-spl4-line Diagram.dgn

	USER NAME = Brian.Bouris	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LINE DIAGRAM				F.A.P RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -						685	118RS-4;119RS-5		MCDONOUGH	12	06	
		CHECKED -	REVISED -						CONTRACT NO. 68J17						
	PLOT DATE = 7/12/2024	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.					
												ILLINOIS FED. AID PROJECT			

