

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	D7 CRACK SEALING 2020-1	EFFINGHAM	7	1
		ILLINOIS	CONTRACT NO. 74916	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

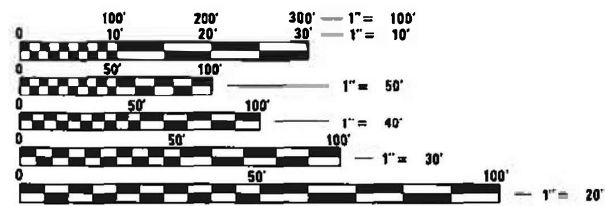
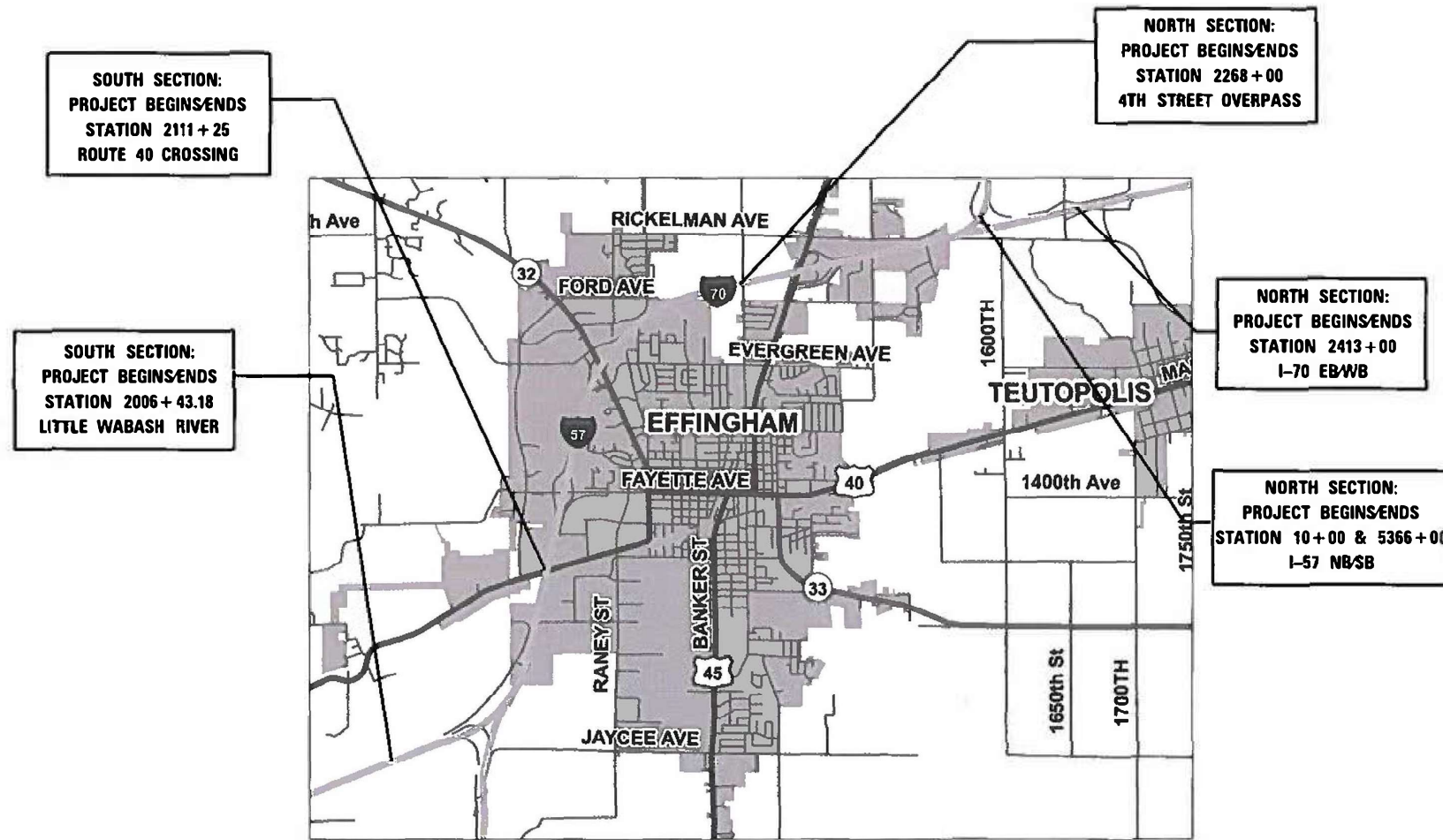
ADT = 39,900 (2017)

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 57/70 (I-57/70)
SECTION D7 CRACK SEALING 2020-1
PROJECT NHPP-PG3P(618)
CRACK AND JOINT SEALING
EFFINGHAM COUNTY

C-97-071-19

D-97-033-19



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: BRIAN LEWIS
PROJECT MANAGER: MINDY JANSEN

CONTRACT NO. 74916

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED: JANUARY 28 20 21
Jeffrey P. Maguire
REGIONAL ENGINEER

March 19, 2021
Scott A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2021
James J. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES
3	LOCATION MAP - NORTH SECTION
4	LOCATION MAP - SOUTH SECTION
5	SUMMARY OF QUANTITIES
6	SCHEDULE OF QUANTITIES
7	CRACK AND JOINT SEALING DETAIL

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

STD. NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS >= 45 MPH
701456-05	PARTIAL EXT RAMP CLOSURE, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES

GENERAL NOTES

THE WORK INCLUDED IN THIS SECTION CONSISTS OF ROUTING, CLEANING AND SEALING OF LONGITUDINAL JOINTS IN THE EXISTING BARE PORTLAND CEMENT CONCRETE (PCC) PAVEMENT BETWEEN ALL LANES AND SHOULDERS. WORK ALSO INCLUDES ROUTING, CLEANING AND SEALING LONGITUDINAL JOINTS THROUGH RAMPS AS SHOWN ON THE PLANS.

NORTH SECTION LIMITS: LIMITS BEGIN ON I-57/70 AT THE WEST END OF THE 4TH STREET CROSSING OVERPASS (EB AND WB) AND CONTINUE TO THE NORTH TRI-LEVEL INCLUDING I-70 WB AND EB TO JUST EAST OF THE NORTH 1650TH STREET CROSSING OVERPASS, I-57 NB AND SB RAMPS, I-70 EB RAMP, AND THE ENTRY/EXIT RAMP ACCESS FROM/TO ROUTE 45 AS SHOWN ON THE LOCATION MAP.

SOUTH SECTION LIMITS: LIMITS INCLUDE I-57/70 AT THE SOUTH END OF STRUCTURE NUMBERS 025-0099/025-0100 CARRYING I-57/70 OVER ROUTE 40 AND CONTINUE ON I-57 SB FOR APPROXIMATELY 1,000 FEET SOUTH OF THE SPLIT. WORK SHALL ALSO CONTINUE ALONG I-70 WB OF SPLIT TO STRUCTURE NUMBERS 025-0107/025-0108 AND BACK ALONG I-70 EB TO THE ROUTE 40 BRIDGE. RAMPS INCLUDED IN THE WORK SHALL BE THE EB I-70 RAMP TO I-57 SOUTH AND THE NB I-57 RAMP TO I-70 WEST AS SHOWN ON THE LOCATION MAP.

CONTRACTOR SHALL PRIORITIZE THE SOUTH SECTION PORTION OF THE PROJECT BEFORE THE NORTH SECTION IN THE EVENT QUANTITIES RUN LOW DUE TO APPLICATION RATES.

IN ADDITION TO 451.04 OF THE STANDARD SPECIFICATIONS, CARE SHALL BE TAKEN TO PRESERVE THE REFLECTIVITY OF ALL EXISTING PAVEMENT MARKINGS AS WELL AS THE RAISED REFLECTIVE PAVEMENT MARKERS. IF THE PAVEMENT MARKINGS ARE COVERED BY PLACEMENT OF THE SEALING MATERIAL OR BY VEHICLES TRACKING THE SEALANT ONTO ON THE PAVEMENT MARKINGS, THE CONTRACTOR WILL BE RESPONSIBLE FOR CLEANING THE EXISTING PAVEMENT MARKINGS TO THE SATISFACTION OF THE ENGINEER.

APPLICATION RATE

SEALANT = 0.47 POUNDS PER FOOT

REV. - MS

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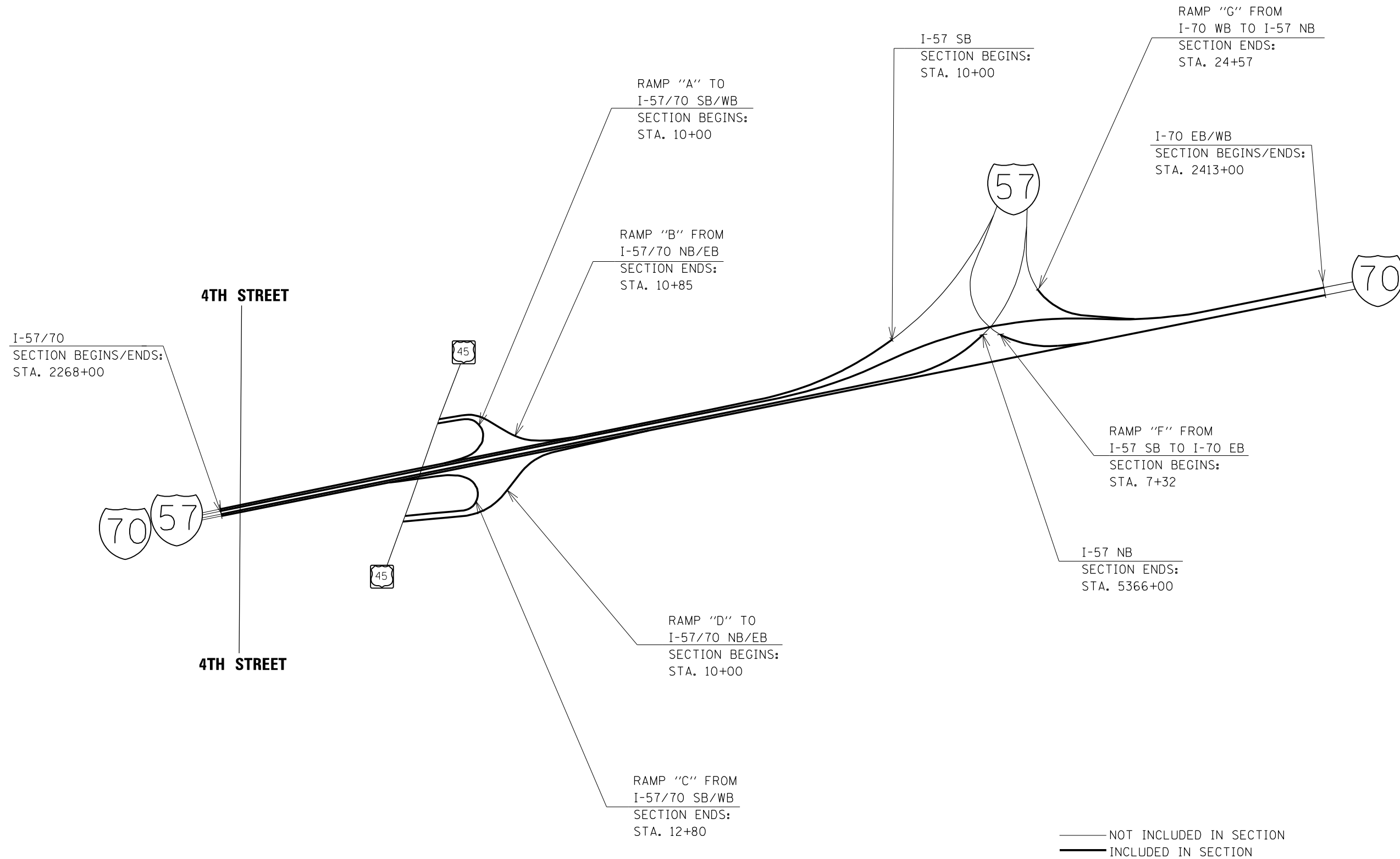
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	D7 CRACK SEALING 2020-1	EFFINGHAM	7	2
			CONTRACT NO. 74916	
ILLINOIS' ED. AID PROJECT				

NORTH SECTION



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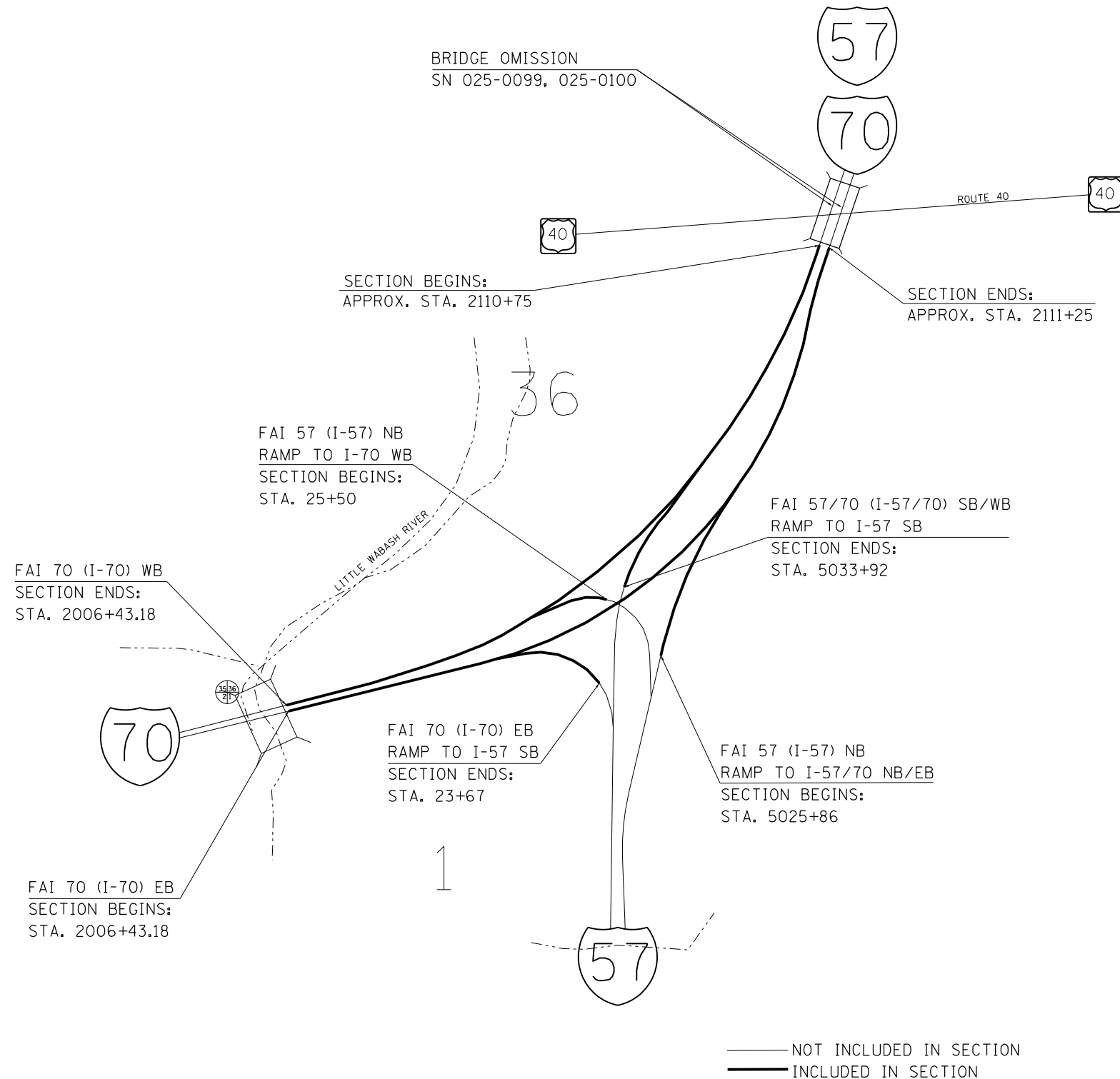
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP-NORTH SECTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	D7 CRACK SEALING 2020-1	EFFINGHAM	7	3
CONTRACT NO. 74916				
ILLINOIS FED. AID PROJECT				

SOUTH SECTION



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP-SOUTH SECTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	D7 CRACK SEALING 2020-1	EFFINGHAM	7	4
CONTRACT NO. 74916				
ILLINOIS FED. AID PROJECT				

90% FED
10% STATE
URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005		
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	269524	269524		
45200300	JOINT OR CRACK FILLING	POUND	126676	126676		
67100100	MOBILIZATION	L SUM	1	1		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	4		
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	58	58		
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1		
X7010410	SPEED DISPLAY TRAILER	CAL MO	2	2		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0005		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	D7 CRACK SEALING 2020-1	EFFINGHAM	7	5
CONTRACT NO. 74916				
ILLINOIS FED. AID PROJECT				

NORTH SECTION - 4TH STREET CROSSING TO NORTH TRI-LEVEL

NORTH SECTION - 4TH STREET CROSSING TO NORTH TRI-LEVEL					
LOCATION		LENGTH	QUANTITY	TOTAL LENGTH	TOTAL
START	END	(FOOT)	(# JOINTS)	(FEET)	(POUNDS)
EB AT 4TH STREET	BRIDGE S.N. 025-0112				
STA. 2268+00	STA. 2274+80	680	5	3,400	1,598
STA. 2274+80	STA. 2291+14	1,634	6	9,804	4,608
WB AT 4TH STREET	BRIDGE S.N. 025-0111				
STA. 2268+00	STA. 2277+50	950	5	4,750	2,233
STA. 2277+50	STA. 2291+38	1,388	6	8,328	3,914
RAMP "A"					
ROUTE 45 INTERSECTION	BRIDGE S.N. 025-0111				
STA. 10+00	STA. 24+75	1,475	2	2,950	1,387
RAMP "B"					
WB I-57/70 EXIT RAMP	ROUTE 45 INTERSECTION				
STA. 29+04	STA. 21+00	804	3	2,412	1,134
STA. 21+00	STA. 10+85	1,015	2	2,030	954
RAMP "C"					
EB I-57/70 EXIT RAMP	ROUTE 45 INTERSECTION				
STA. 12+80	STA. 30+95	1,815	2	3,630	1,706
RAMP "D"					
ROUTE 45 INTERSECTION	END OF RAMP AT I-57/70				
STA. 10+00	STA. 35+25	2,525	2	5,050	2,374
I-57/70 EB TO SPLIT THEN I-70 EB					
EB AT S.N. 025-0112	STA. 2413+00 (JUST PAST 1650TH STREET OVERPASS)				
STA. 2295+52	STA. 2314+55	1,903	5	9,515	4,472
STA. 2314+55	STA. 2323+05	850	6	5,100	2,397
STA. 2323+05	STA. 2351+55	2,850	5	14,250	6,698
STA. 2382+40	STA. 2400+90	1,850	1	1,850	870
STA. 2351+55	STA. 2413+00	6,145	3	18,435	8,664
I-57 NB					
I-57 NB (START AT I-57/70 SPLIT)	TRI-LEVEL BRIDGE CROSSING OVER I-70				
STA. 5347+75	STA. 5366+00	1,825	3	5,475	2,573
I-70 WB INTO I-57/70					
STA. 2413+00 (JUST WEST OF 1650TH ST OVERPASS)	BRIDGE S.N. 025-0111				
STA. 2413+00	STA. 2347+90	6,510	3	19,530	9,179
STA. 2347+90	STA. 2330+60	1,730	4	6,920	3,252
STA. 2330+60	STA. 2326+85	375	3	1,125	529
STA. 2326+85	STA. 2314+56	1,229	6	7,374	3,466
STA. 2314+56	STA. 2295+76	1,880	5	9,400	4,418
RAMP "G"					
I-70 WB EXIT RAMP TO I-57 NB	APPROXIMATELY MIDDLE OF RAMP				
STA. 10+00	STA. 12+85	285	1	285	134
STA. 12+85	STA. 24+57	1,172	2	2,344	1,102
I-57 SB					
I-57 SB STA. 10+00	I-57/70 MERGER				
STA. 10+00	STA. 41+00	3,100	3	9,300	4,371
RAMP "F"					
TRI-LEVEL BRIDGE CROSSING OVER I-57 & I-70	MERGER OF I-70 EB				
STA. 7+32	STA. 18+80	1,148	2	2,296	1,079
SUBTOTAL				155,553	73,110
3% QUANTITY ADDITION				4,667	2,193
TOTAL				160,220	75,303

APPLICATION RATE = 0.47 LBS/FOOT

SOUTH SECTION - ROUTE 40 CROSSING TO LITTLE WABASH RIVER

SOUTH SECTION - ROUTE 40 CROSSING TO LITTLE WABASH RIVER BRIDGE					
LOCATION		LENGTH	QUANTITY	TOTAL LENGTH	TOTAL
START	END	(FOOT)	(# JOINTS)	(FEET)	(POUNDS)
STA. 2110+75± (I-57/70 WB AT RTE 40 BRIDGE)	STA. 2006+43 (I-70 AT LITTLE WABASH RIVER)	760	4	3,040	1,429
		3,325	5	16,625	7,814
		560	6	3,360	1,579
		445	7	3,115	1,464
		110	6	660	310
		2,430	4	9,720	4,568
		1,610	5	8,050	3,784
		320	3	960	451
		870	4	3,480	1,636
SUBTOTAL				49,010	23,035
STA. 2006+43 (I-70 EB AT LITTLE WABASH RIVER)	STA. 2111+25± (I-57/70 AT RTE 40 BRIDGE)	835	4	3,340	1,570
		1,130	3	3,390	1,593
		270	4	1,080	508
		210	5	1,050	494
		150	6	900	423
		2,630	3	7,890	3,708
		125	7	875	411
		1,245	6	7,470	3,511
		520	5	2,600	1,222
		1,080	4	4,320	2,030
		1,725	5	8,625	4,054
		770	4	3,080	1,448
SUBTOTAL				44,620	20,971
STA. 25+50 (I-57 NB RAMP TO I-70 WB)	I-70 WB MERGER END	490	2	980	461
		160	3	480	226
		220	2	440	207
SUBTOTAL				1,900	893
STA. 5025+86 (I-57 NB RAMP TO I-57/70 NB/EB)	I-57/70 NB/EB MERGER END	1,485	3	4,455	2,094
I-70 EB RAMP TO I-57 SB	STA. 23+67	720	2	1,440	677
I-57/70 SB/WB RAMP TO I-	STA. 5033+92	1,565	3	4,695	2,207
SUBTOTAL				106,120	49,876
3% QUANTITY ADDITION				3,184	1,496
TOTAL				109,304	51,373

APPLICATION RATE = 0.47 LBS/FOOT

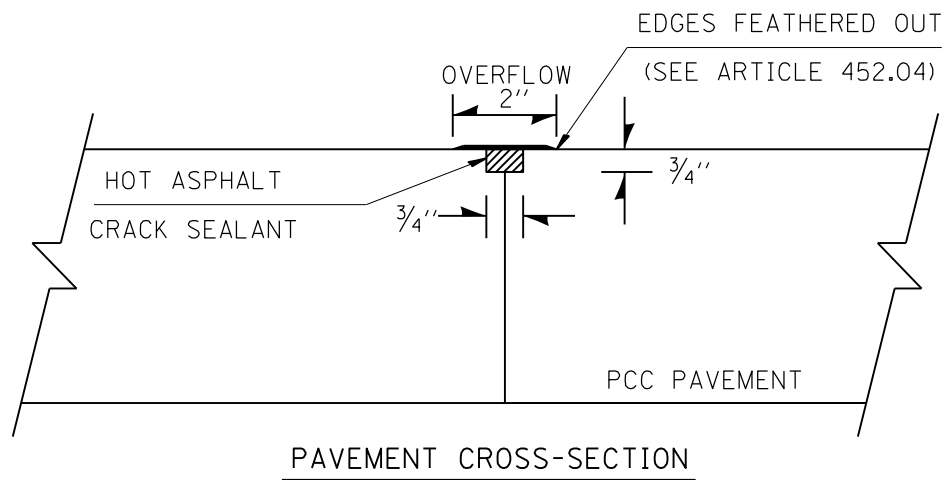
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SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	D7 CRACK SEALING 2020-1	EFFINGHAM	7	6
			CONTRACT NO. 74916	
		ILLINOIS	FED. AID PROJECT	



ROUTED, CLEANED
AND SEALED

TYPICAL DETAIL FOR JOINTS

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**STATE OF ILLINOIS
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CRACK AND JOINT SEALING DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	D7 CRACK SEALING 2020-1	EFFINGHAM	7	7
CONTRACT NO. 74916				
ILLINOIS FED. AID PROJECT				