

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-24	D9 CRACK SEAL 2018-1	JOHNSON	6	1
		ILLINOIS	CONTRACT NO. 78613	

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

PROPOSED HIGHWAY PLANS

I-24 (FAI 24)
SECTION D9 CRACK SEAL 2018-1

CENTERLINE CRACK SEAL
JOHNSON COUNTY

C-99-067-17

TRAFFIC DATA
SEE SHEET NO. 3

PROJECT BEGINS
STA. 134 + 00 EBL
STA. 137 + 00 WBL

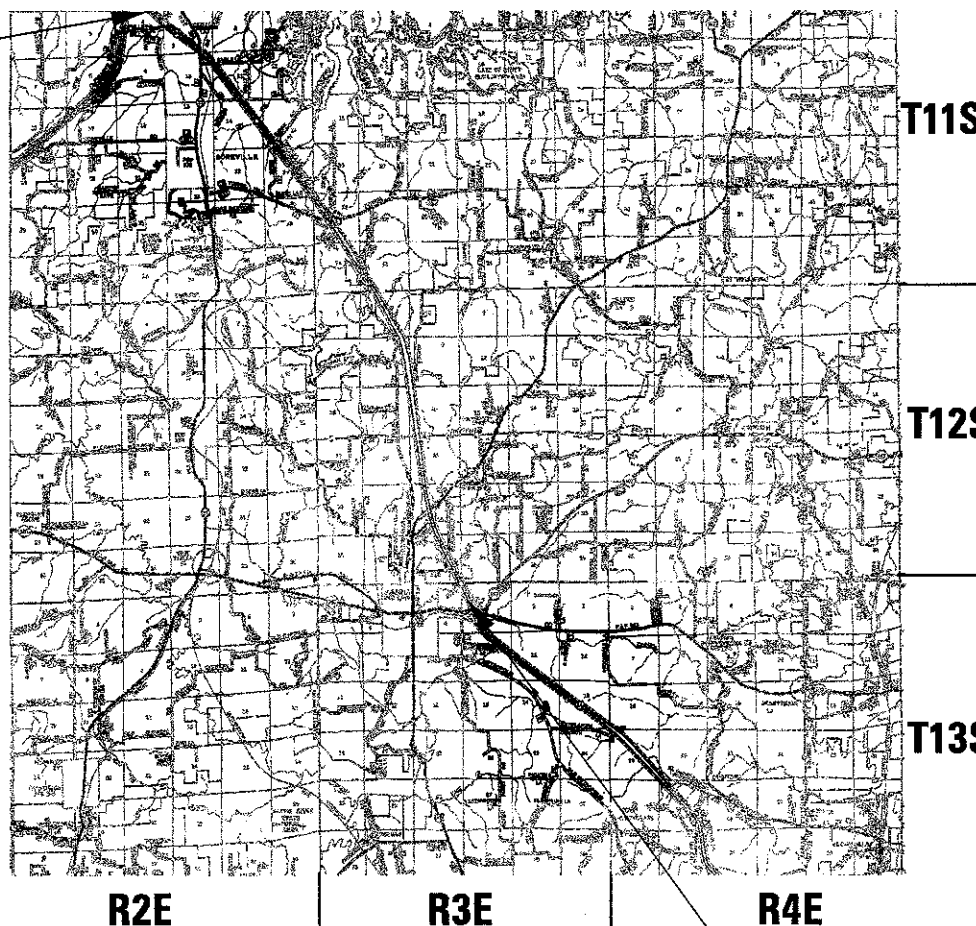
TOWNSHIPS
SOUTHERN, GOREVILLE, TUNNEL HILL,
BLOOMFIELD, VIENNA, GRANTSBURG

DESIGN DESIGNATION : NA
COORDINATE SYSTEM : ILLINOIS EAST
POSTED SPEED : 70 MPH

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

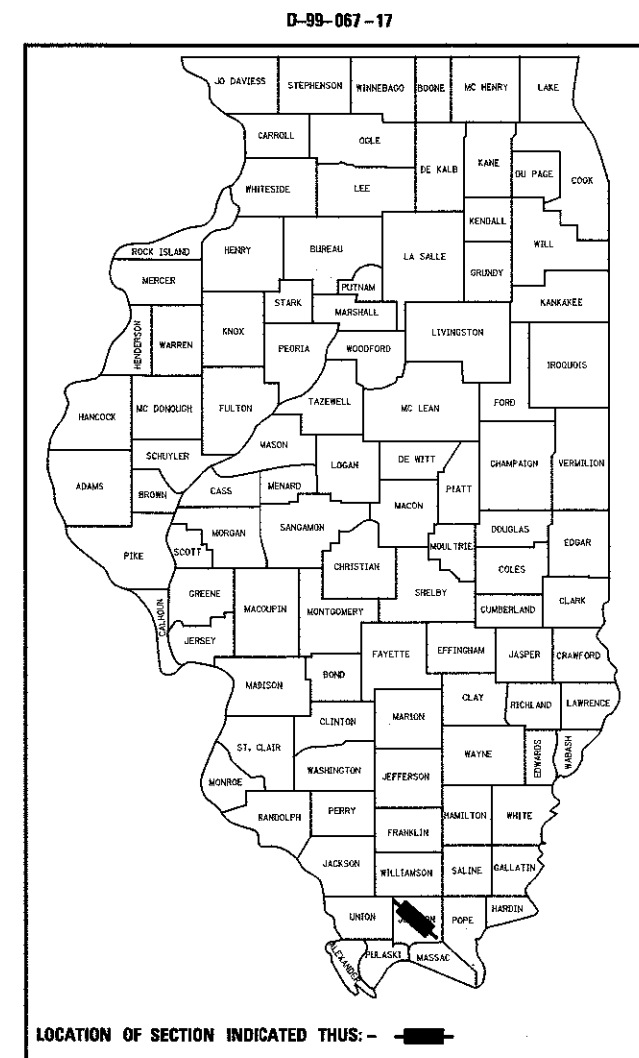
PROJECT ENGINEER CHARLES STEIN (618)351-5210
PROJECT DESIGNER AESHA JACKSON (618)351-5215

CONTRACT NO. 78613



GROSS LENGTH = 60,969 FT. = 11.55 MILES
OMISSION LENGTH = 1,625 FT. = 0.308 MILES
NET LENGTH = 59,344 FT. = 11.242 MILES

PROJECT ENDS
STA. 325 + 50 EBL
STA. 316 + 00 WBL



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED July 25 2017
Jeffrey A. Keim
REGION FIVE ENGINEER

Oct 13 2017
Marcos M. Adonis PE
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 13 2017
[Signature]
DIRECTOR OF PROGRAM DEVELOPMENT

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 DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Carrie Nelson*
 DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *Karl Kelly*
 DISTRICT OPERATIONS ENGINEER

Examined By: *VTB*
 DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *Derek J. Taylor*
 DISTRICT CONSTRUCTION ENGINEER

Examined By: *R. C.*
 DISTRICT MATERIALS ENGINEER

FILE NAME =	USER NAME = jacksonc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNATURE SHEET					F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL0848BID\INTEG.ILLINOIS.GOV\FWIDOT\Documents\DOT Offices\District 9\Projects\78613\CADData\CAD\78613-Sheets.dgn		CHECKED -	REVISED -		1-24	D9 CRACK SEAL 2018-1	JOHNSON	6	2					
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.					ILLINOIS FED. AID PROJECT				
PLOT DATE = 7/24/2017		DATE -	REVISED -							CONTRACT NO. 78613				

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS, GENERAL NOTES, STANDARDS, OMISSION, COMMITMENTS, STATION EQUATION, TRAFFIC DATA
4	SUMMARY OF QUANTITIES
5	SCHEDULE OF QUANTITIES
6	SCHEDULE OF QUANTITIES-CON'TD

GENERAL NOTES

FACTORS USED FOR QUANTITY CALCULATIONS ARE AS FOLLOWS:
 JOINT SEALER.....1.25 LB/FT

THE QUANTITY USED FOR CRACK FILLING IS AN ESTIMATE. THE ACTUAL AMOUNT USED WILL BE DETERMINED BY THE ENGINEER.

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 101.17 REGARDLESS IF TRACK MOUNTED OR WHEELED.

STANDARDS

- 701411-09 LANE CLOSURE MULTI-LANE- ENTRANCE OR EXIT RAMP 45 MPH OR MORE
- 701426-09 LANE CLOSURE MULTI-LANE- INTERMITTANT OR MOVING OPERATION 45 MPH OR MORE
- 701901-06 TRAFFIC CONTROL DEVICES

COMMITMENTS

NONE

OMISSIONS

- SN 044-0029 (STA. 148+00 TO STA. 155+00) EBL
- SN 044-0037 (STA. 186+05.29 TO STA. 187+30.75) EBL
- SN 044-0030 (STA. 148+00 TO STA. 155+00) WBL
- SN 044-0038 (STA. 187+05.29 TO STA.188+16.72) WBL

TRAFFIC DATA

	I-24 (FAI 24)	LOC B:	LOC C:	LOC D:
M.P.	(0.0-5.63)	(5.63-12.05)	(12.05-14.41)	(14.41-21.93)
(2017)				
PV =	13,890	10,680	12,720	12,820
SU =	865	1,220	1,425	1,120
MU =	5,595	4,070	5,595	5,800
ADT =	20,350	15,970	19,740	19,740
(2037)				
PV =	19,650	15,115	18,000	18,140
SU =	1,225	1,725	2,015	1,585
MU =	7,915	5,760	7,915	8,205
ADT =	28,790	22,600	27,930	27,930

STATION EQUATIONS

- STA. EQ. 333+27.60 (BK) = STA.1333+27.60 (AH) WBL
- STA. EQ. 1426+60.80 (BK) = STA.429+36.09 (AH) WBL
- STA. EQ. 524+83.93 (BK) = STA. 102+46.58 (AH) WBL
- STA. EQ. 133+63.21 (BK) = STA. 131+77.98 (AH) WBL
- STA. EQ. 287+99.79 (BK) = STA. 287+96.99 (AH) WBL
- STA. EQ. 337+27.60 (BK) = STA. 333+27.60 (AH) EBL
- STA. EQ. 429+34.43 (BK) = STA. 429+36.09 (AH) EBL
- STA. EQ. 524+83.61 (BK) = STA. 102+46.58 (AH) EBL
- STA. EQ. 133+63.21 (BK) = STA. 133+66.46 (AH) EBL
- STA. EQ. 288+00.86 (BK) = STA. 287+96.99 (AH) EBL

SUMMARY OF QUANTITIES

COUNTY:	Johnson County (087)
ROUTE:	FAI 24 I-24
FUNDING:	100% STATE ✓
LOCATION:	RURAL ✓
TOTAL QUANTITY	ROADWAY 0005 ✓

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY
45100100	CRACK ROUTING (PAVEMENT)	FOOT	120211	120211
45100200	CRACK FILLING	POUND	150273	150273
67100100	MOBILIZATION	LSUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	12	12
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	42	42

SCHEDULE OF QUANTITIES

						CENTER OF ROADWAY LONGITUDINAL CRACKS ONLY	
LOCATION	I-24 WB	STA.	TO	STA.	LENGTH	CRACK ROUTING	CRACK FILLING
JOHNSON CO.						(FT)	(POUND)
I-24 (WB)		137+00.	TO	148+00.	1,100	1,100	1,375
SN 040-0030		148+00.	TO	155+00.	OMIT		
I-24 (WB)		155+00.	TO	180+00.	2,500	2,500	3,125
I-24 (WB)		180+00.	TO	190+00.	1,000	1,000	1,250
I-24 (WB)		190+00.	TO	240+00.	5,000	5,000	6,250
I-24 (WB)		240+00.	TO	300+00.	6,000	6,000	7,500
I-24 (WB)		300+00.	TO	333+27.6	3,328	3,328	4,160
I-24 (WB)		333+27.60 BK	=	1333+27.60 AH	STA. EQ.		
I-24 (WB)		1333+27.6	TO	1335+00.	172	173	217
I-24 (WB)		1335+00.	TO	1357+00.	2,200	2,200	2,750
I-24 (WB)		1357+00.	TO	1405+00.	4,800	4,800	6,000
I-24 (WB)		1405+00.	TO	1426+60.8	2,161	2,161	2,702
I-24 (WB)		1426+60.80 BK	=	429+36.09 AH	STA. EQ.		
I-24 (WB)		429+36.09	TO	518+00.	8,864	8,864	11,080
I-24 (WB)		518+00.	TO	524+83.93	684	684	855
I-24 (WB)		524+83.93 BK	=	102+46.58 AH	STA. EQ.		
I-24 (WB)		102+46.58	TO	133+63.21	3,117	3,117	3,897
I-24 (WB)		133+63.21 BK	=	131+77.98 AH	STA. EQ.		
I-24 (WB)		131+77.98	TO	187+05.29	5,527	5,528	6,910
SN 044-0038		187+05.29	TO	188+16.72	OMIT		
I-24 (WB)		188+16.72	TO	250+00.	6,183	6,183	7,729
I-24 (WB)		250+00.	TO	287+99.79	3,800	3,800	4,750
I-24 (WB)		287+99.79 BK	TO	287+96.99 AH	STA. EQ.		
I-24 (WB)		287+96.99	TO	316+00.	2,803	2,804	3,505
WESTBOUND TOTAL						59,242	74,055

SCHEDULE OF QUANTITIES -CONT'D

					CENTER OF ROADWAY LONGITUDINAL CRACKS ONLY		
LOCATION	I-24 EB	STA.	TO	STA.	LENGTH	CRACK ROUTING	CRACK FILLING
JOHNSON CO.					(FT)	(FT)	(POUND)
I-24 (EB)		134+00.	TO	148+00.	1,400	1,400	1,750
SN 044-0029		148+00.	TO	155+00.	OMIT		
I-24 (EB)		155+00.	TO	175+25.	2,025	2,025	2,532
I-24 (EB)		175+25.	TO	186+05.29	1,080	1,081	1,352
I-24 (EB)		187+30.75	TO	228+50.	4,119	4,120	5,150
I-24 (EB)		228+50.	TO	250+00.	2,150	2,150	2,688
I-24 (EB)		250+00.	TO	300+00.	5,000	5,000	6,250
I-24 (EB)		300+00.	TO	325+00.	2,500	2,500	3,125
I-24 (EB)		325+00.	TO	337+27.6	1,228	1,228	1,535
I-24 (EB)		337+27.6 BK	=	333+27.60 AH	STA. EQ.		
I-24 (EB)		333+27.6	TO	400+00.	6,672	6,673	8,342
I-24 (EB)		400+00.	TO	429+34.43	2,934	2,935	3,669
I-24 (EB)		429+34.43 BK	=	429+36.09	STA. EQ.		
I-24 (EB)		429+36.09	TO	500+00.	7,064	7,064	8,830
I-24 (EB)		500+00.	TO	524+83.61	2,484	2,484	3,105
I-24 (EB)		524+83.61 BK	=	102+46.58 AH	STA. EQ.		
I-24 (EB)		102+46.58	TO	103+00.	53	54	68
I-24 (EB)		103+00.	TO	110+00.	700	700	875
I-24 (EB)		110+00.	TO	120+00.	1,000	1,000	1,250
I-24 (EB)		120+00.	TO	133+63.21	1,363	1,364	1,705
I-24 (EB)		133+63.21 BK	=	133+66.46 AH	STA. EQ.		
I-24 (EB)		133+66.46	TO	150+00.	1,634	1,634	2,043
I-24 (EB)		150+00.	TO	180+00.	3,000	3,000	3,750
I-24 (EB)		180+00.	TO	186+05.29	605	606	758
SN 044-0037		186+05.29	TO	187+30.75	OMIT	126	158
I-24 (EB)		187+30.75	TO	250+00.	6,269	6,270	7,838
I-24 (EB)		250+00.	TO	288+00.86	3,801	3,801	4,752
I-24 (EB)		288+00.86 BK	=	287+96.99 AH	STA. EQ.		
I-24 (EB)		287+96.99	TO	300+00.	1,203	1,204	1,505
I-24 (EB)		300+00.	TO	325+50.	2,550	2,550	3,188
EASTBOUND TOTAL						60,969	76,218
TOTAL						120,211	150,273