

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
682	21-1CJS-1	RANDOLPH	7	1
		ILLINOIS	CONTRACT NO. 76N74	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

# PROPOSED HIGHWAY PLANS

FAP ROUTE 682 (IL 004)  
SECTION 21-1CJS-1  
FEDERAL PROJECT NHPP-LM73(049)  
CRACK AND JOINT SEALING  
RANDOLPH COUNTY

C-98-031-21

**TRAFFIC DATA**

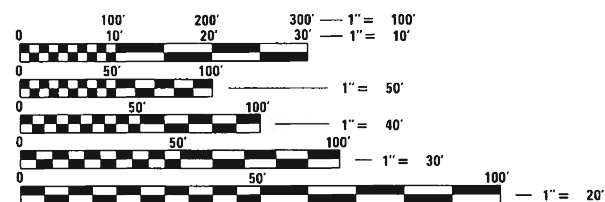
IL 154 TO MASONIC LANE  
2019 ADT = 11300 (ACTUAL)  
2020 ADT = 11400 (ESTIMATED)  
2040 ADT = 13900 (ESTIMATED)  
SU = 2.4% MU = 1.8%

MASONIC LANE TO STEPHENSON DRIVE  
2019 ADT = 7250 (ACTUAL)  
2020 ADT = 7300 (ESTIMATED)  
2040 ADT = 8900 (ESTIMATED)  
SU = 6.6% MU = 2.8%

STEPHENSON DRIVE TO END PROJECT  
2019 ADT = 5500 (ACTUAL)  
2020 ADT = 5600 (ESTIMATED)  
2040 ADT = 6800 (ESTIMATED)  
SU = 5.9% MU = 3.9%

**DESIGN DESIGNATION**

OTHER PRINCIPAL ARTERIAL



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.

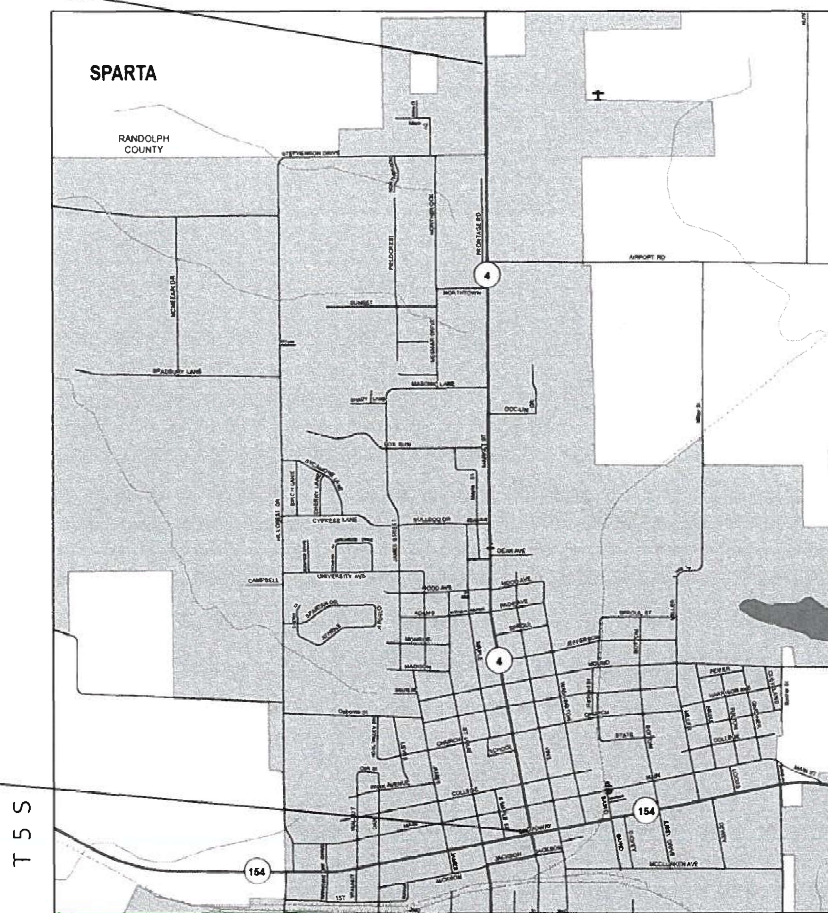
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER HERVE GELIN: (618)-346-3179  
PROJECT MANAGER ROBERT HUGHES: (618)-346-3187

CONTRACT NO. 76N74

END PROJECT  
STA. 103+80  
LAT: 38° 09' 04"  
LON: 89° 42' 12"

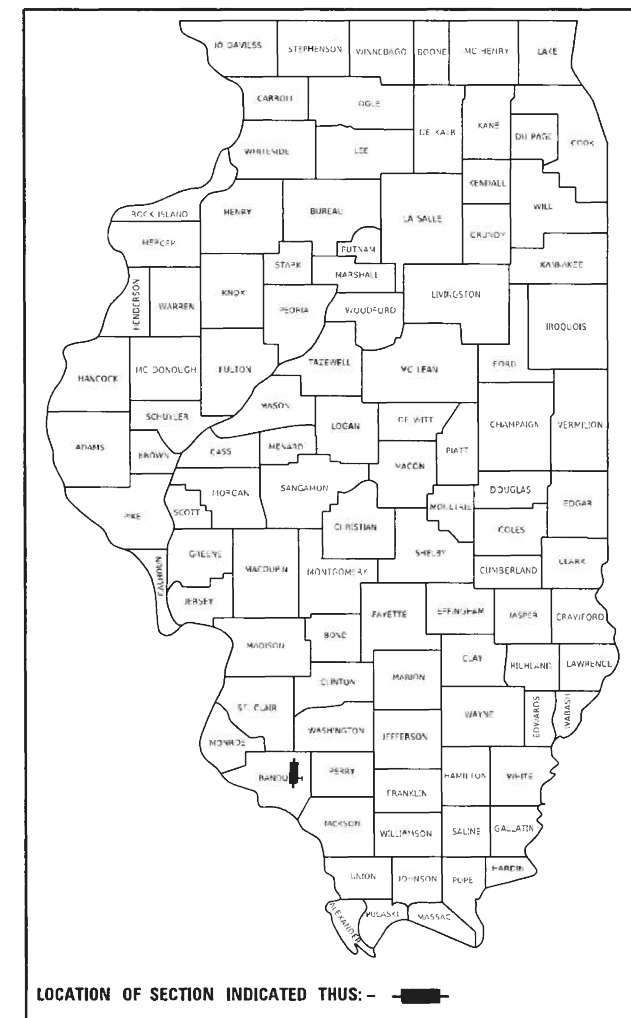
START PROJECT  
STA. 1+36  
LAT: 38° 07' 23"  
LON: 89° 42' 06"



LOCATION MAP R 5 W  
(NOT TO SCALE)

GROSS LENGTH = 10244 FT. = 1.94 MILE  
NET LENGTH = 10244 FT. = 1.94 MILE

D-98-005-21



LOCATION OF SECTION INDICATED THUS: - [rectangle] -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED April 30, 2020  
Kath Roberts  
REGIONAL ENGINEER

June 26, 2020  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

June 26, 2020  
[Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES & COMMITMENTS
- 3 SUMMARY OF QUANTITIES
- 4-5 TYPICAL SECTIONS
- 6 SCHEDULE
- 7 CRACK AND JOINT SEALING DETAIL

**HIGHWAY STANDARDS**

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701502-09 URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
- 701901-08 TRAFFIC CONTROL DEVICES

**GENERAL NOTES**

1. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- \* AMEREN ILLINOIS JULIE MEMBER  
GAS & ELECTRIC BURIED, AERIAL  
1050 WEST BOULEVARD, BELLEVILLE, IL 62221-4169
- \* CLEARWAVE COMMUNICATIONS JULIE MEMBER  
COMMUNICATIONS BURIED, AERIAL  
TWO NORTH VINE STREET, 2ND FLOOR, P.O. BOX 808, HARRISBURG, IL 62946
- \* EGYPTIAN ELECTRIC COOPERATIVE ASSOCIATION JULIE MEMBER  
ELECTRIC BURIED, AERIAL  
1005 WEST BROADWAY, P.O. BOX 38, STEELEVILLE, IL 62288-0038
- \* EXTENET SYSTEMS, INC. JULIE MEMBER  
COMMUNICATIONS BURIED, AERIAL  
3030 WARRENVILLE ROAD, SUITE 340, LISLE, IL 60532
- \* NEWWAVE COMMUNICATIONS JULIE MEMBER  
CABLE TV BURIED, AERIAL  
1176 E. 1500 NORTH RD. TAYLORVILLE, IL 62568
- \* CITY OF SPARTA JULIE MEMBER  
WATER AND SANITARY SEWER BURIED  
114 W. JACKSON STREET, SPARTA, IL, 62286
- \* WASHINGTON COUNTY WATER CO. JULIE MEMBER  
WATER BURIED  
17575 CONNECTICUT ROAD, P.O. BOX 284, NASHVILLE, IL 62263

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY AN \*  
NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- 2. NO SURVEY WAS PERFORMED FOR THIS PROJECT. PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS.
- 3. THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN, AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME CONSTRUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. PLEASE CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
- 4. TWO CHANGEABLE MESSAGE BOARDS SHALL BE REQUIRED FOR THIS PROJECT. BOTH SHALL BE PLACED TWO WEEKS PRIOR TO ANY LANE CLOSURE, ONE ON EACH END OF THE PROJECT. ONE SHALL REMAIN FOR THE DURATION OF THE CONTRACT AND PLACED AT THE DIRECTION OF THE ENGINEER.
- 5. ESTIMATED CRACK FILLING APPLICATION RATE: .4 LB/FT

**COMMITMENTS**

NONE

MODEL: s:\MODEL\MHFE  
FILE: MHFE.dwg  
P:\pub\mcom\m.dwg  
I:\links\gov\PIW\DOT\Documents\DOT\_Offices\District 8\Projects\076N74\CADD\DATA\CAD\Sheet\076N74-511-01.mxd.dwg

USER NAME = hugesrd	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 40,0000 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 4/24/2020	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS,  
GENERAL NOTES & COMMITMENTS**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
682	21-1CJS-1	RANDOLPH	7	2
			CONTRACT NO. 76N74	
		ILLINOIS FED. AID PROJECT		

MODEL: I:\MODEL\MAMES  
 FILE: MAMES\_Plan\Illumin\com.dwg: illinois.gov\PWIDOT\Documents\DOT\_Offices\District 8\Projects\IDF76N7A\CADD\DATA\CAD\pieces\IDF76N7A-shs-500.dgn

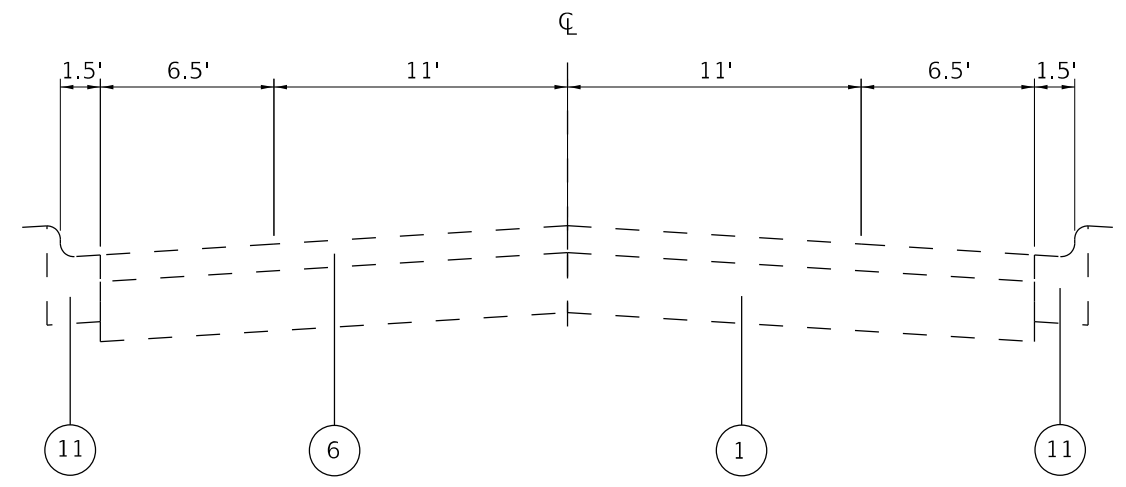
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				80% FED 20% STATE
				ROADWAY
				0005
				URBAN
45100100	CRACK ROUTING (PAVEMENT)	FOOT	21995	21995
45100200	CRACK FILLING	POUND	8798	8798
67100100	MOBILIZATION	L SUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	43	43
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2500	2500

\* SPECIALTY ITEM

REV. - MS

USER NAME = hugesrd	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN - _____	REVISED - _____	682				21-1CJ5-1	RANDOLPH	7	3	
PLOT SCALE = 40.0000' / in.	CHECKED - _____	REVISED - _____		SCALE: NTS		SHEET 1 OF 1 SHEETS		STA. _____ TO STA. _____		CONTRACT NO. 76N74
PLOT DATE = 4/29/2020	DATE - _____	REVISED - _____		ILLINOIS FED. AID PROJECT						

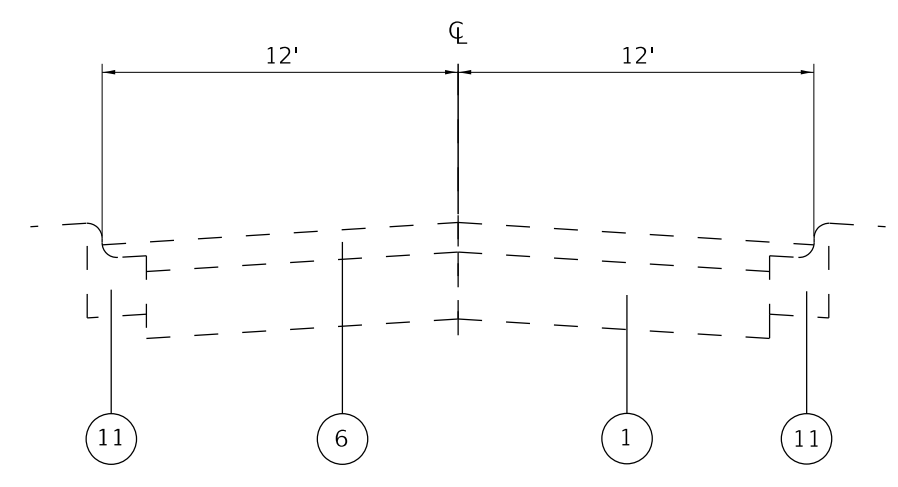
FAP 682 (IL 004)



EXISTING TYPICAL SECTION

STA. 1+36 TO 3+86  
 NOTE: EXISTING OVERPLAY VARIES 2.5" TO 7.625"  
 STA. 2+65 TO STA. 3+86 RT - GUTTER IS OVERLAID

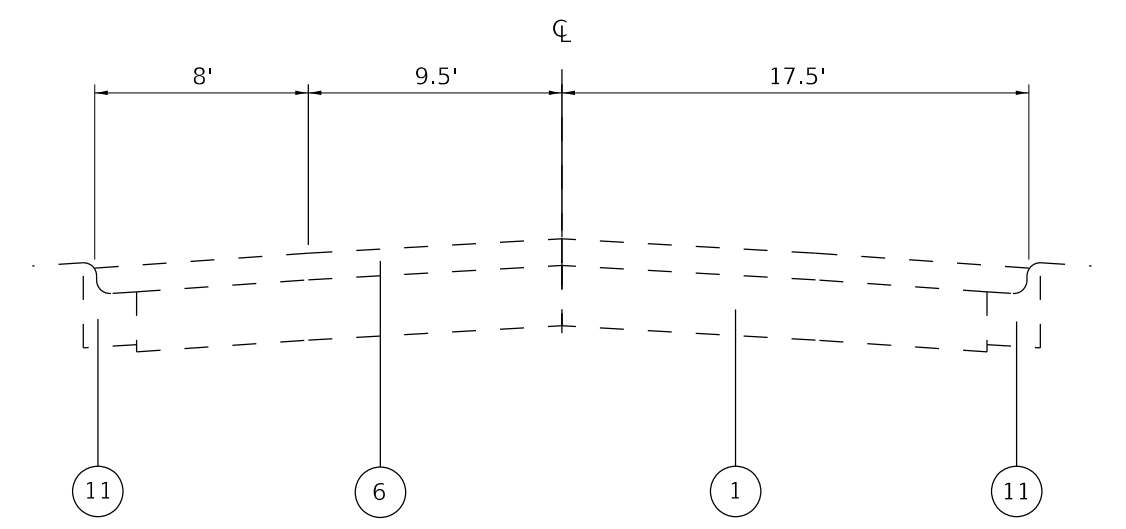
FAP 682 (IL 004)



EXISTING TYPICAL SECTION

STA. 6+68 TO STA. 34+74  
 NOTE: EXISTING OVERPLAY VARIES 2.5" TO 8.75"

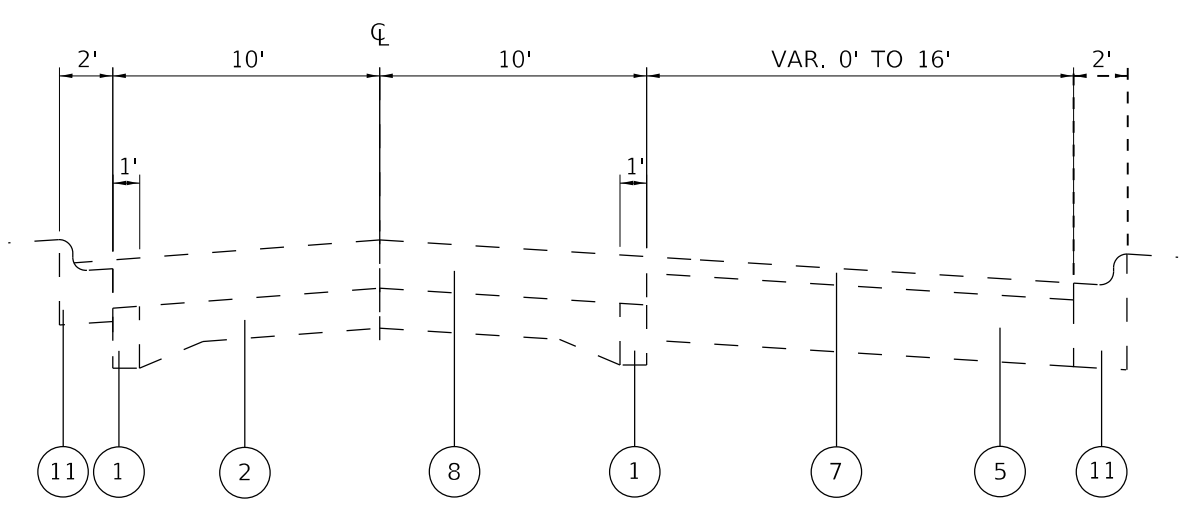
FAP 682 (IL 004)



EXISTING TYPICAL SECTION

STA. 3+86 TO 6+68

FAP 682 (IL 004)



EXISTING TYPICAL SECTION

STA. 34+74 TO 50+70

**LEGEND**

- ① EXISTING PCC PAVEMENT, 9"
- ② EXISTING PCC PAVEMENT, 9"-6"-9"
- ③ EXISTING PCC BASE COURSE, 7"
- ④ EXISTING PCC BASE COURSE WIDENING, 8"
- ⑤ EXISTING HMA BASE COURSE, 10"
- ⑥ EXISTING HMA OVERLAY
- ⑦ EXISTING HMA OVERLAY, 2.5"
- ⑧ EXISTING HMA OVERLAY, 7.25"
- ⑨ EXISTING HMA SHOULDERS, 8"
- ⑩ EXISTING AGGREGATE SHOULDERS, 6"
- ⑪ EXISTING CURB AND GUTTER
- ⑫ EXISTING LIME MODIFIED SOIL, 12"

\*THE TOP 2.5 IN OF EACH HMA OVERLAY CONSISTS OF 1" IL 9.5FG N70 LEVELING BINDER AND 1.5" HMA POLY SURFACE COURSE, MIX D. N70

MODEL: I:\MODEL\NAME: FILE: NAME: P:\pub\mcomada\illinois.gov\PIWDOT\Documents\DOT\_Offices\District\_8\Projects\0676N74\ACAD\DATA\CAD\Sheet\0676N74-11c1.txd

USER NAME = hugesrd	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 40.0000 ' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/26/2020	DATE - _____	REVISED - _____

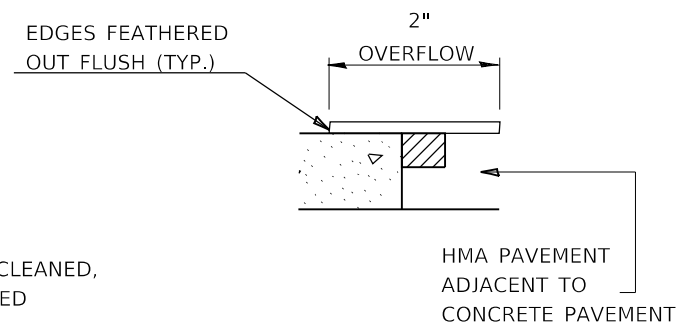
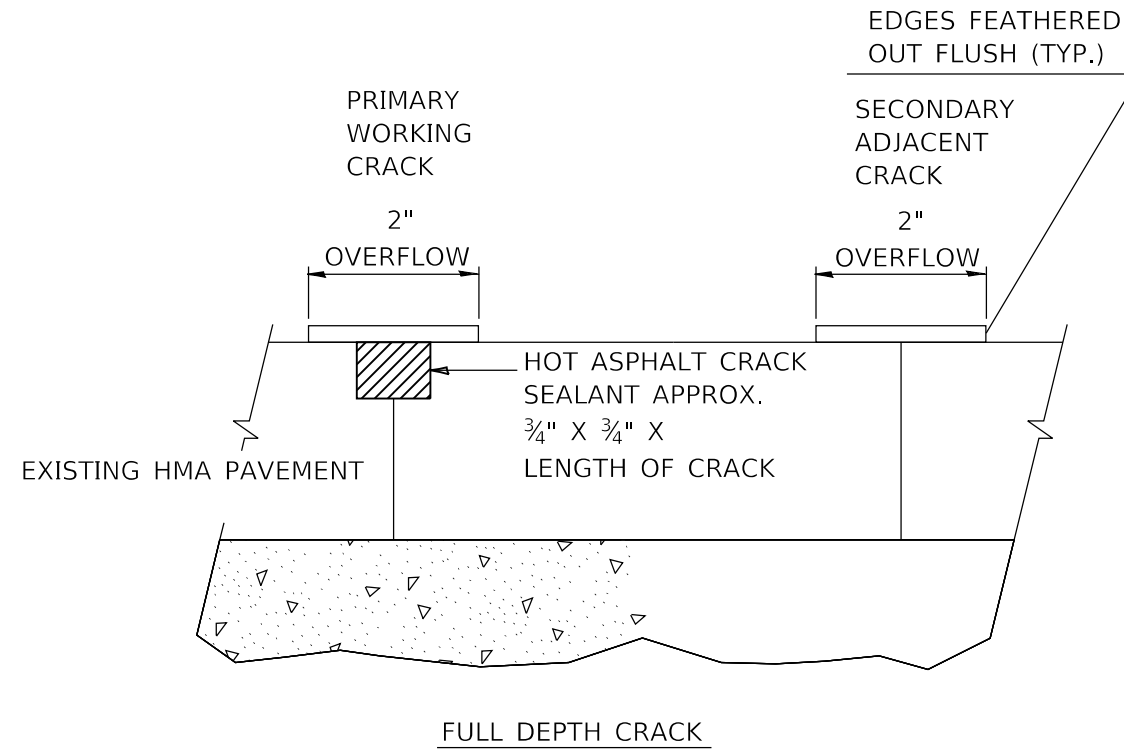
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**


TYPICAL SECTIONS			
SCALE: NTS	SHEET 1	OF 2 SHEETS	STA. 1+36 TO STA. 103+80

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
682	21-ICJS-1	RANDOLPH	7	4
CONTRACT NO. 76N74				
ILLINOIS FED. AID PROJECT				







 ROUTED, CLEANED, AND SEALED

TRANSVERSE/LONGITUDINAL JOINT

# CRACK & JOINT SEALING DETAILS

MODEL: s:\MODEL\MRF5  
 FILE: hma15c\_pav\_sealing.dwg  
 PROJECT: 076N74-1CJ5-1  
 OFFICE: DISTRICT 8  
 DATE: 3/26/2020

USER NAME = hughesrd	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 40,0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/26/2020	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CRACK AND JOINT SEALING DETAIL**

SCALE: NTS    SHEET 1 OF 1 SHEETS    STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
682	21-1CJ5-1	RANDOLPH	7	7
CONTRACT NO. 76N74				
ILLINOIS FED. AID PROJECT				