

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2016-1	VARIOUS	12	1
		ILLINOIS	CONTRACT NO. 68C79	

INDEX OF SHEETS:

- 1 COVER SHEET
- 2 COMMITMENTS/JOB SPECIFIC NOTES
- 3 SUMMARY OF QUANTITIES
- 4 SCHEDULE OF QUANTITIES
- 5 - 11 LOCATIONS MAPS
- 12 CADD STANDARDS

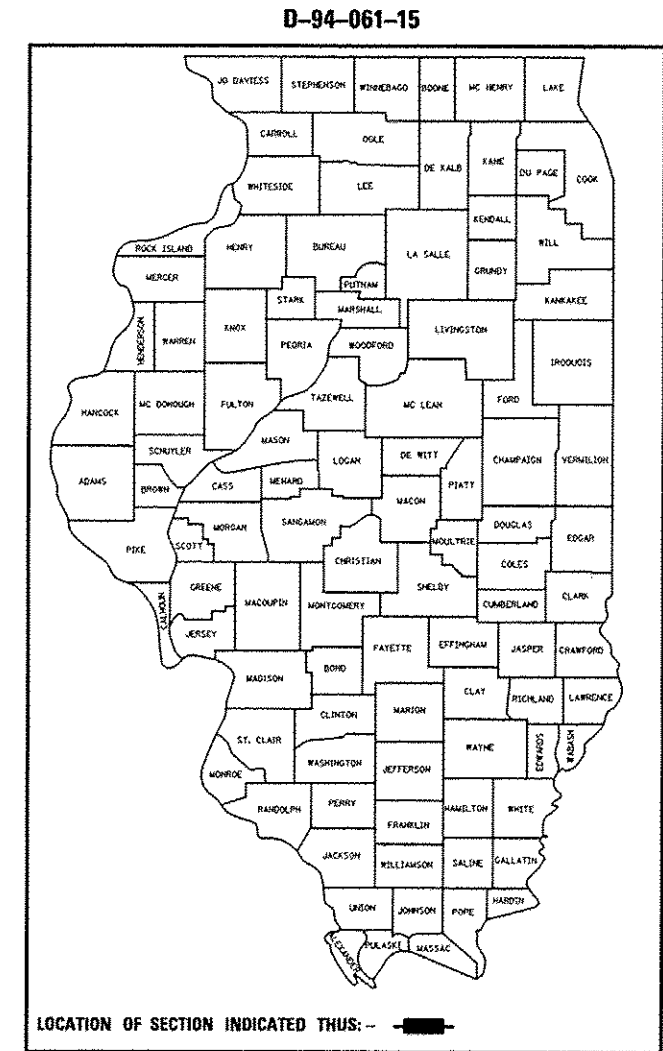
STANDARDS

- 701101-05
- 701301-04
- 701306-03
- 701311-03
- 701400-08
- 701406-10
- 701901-05

VARIOUS ROUTES
SECTION D4 CRACK & JOINT SEAL 2016-1

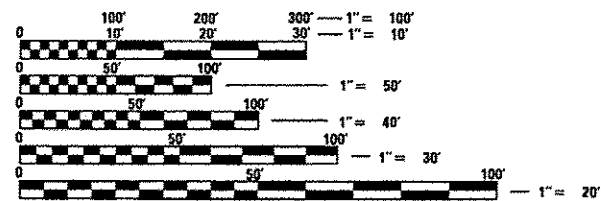
TYPE OF IMPROVEMENT PREVENTATIVE MAINTENANCE
VARIOUS COUNTIES

C-94-101-15



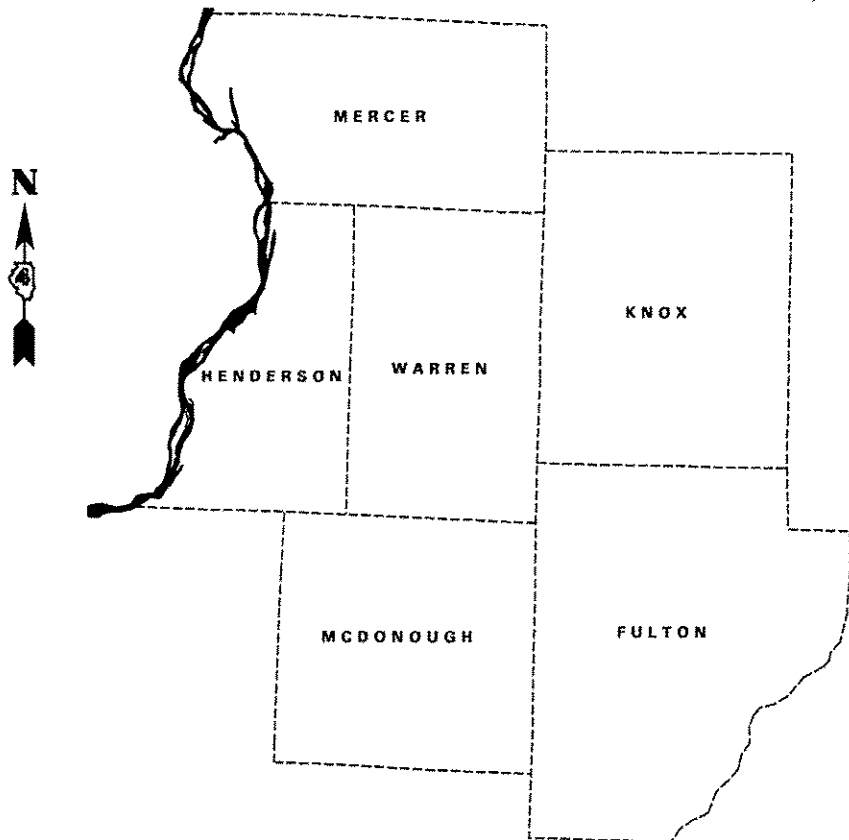
PROJECT DESCRIPTION

CRACK & JOINT SEALING ON VARIOUS ROUTES
THROUGHOUT THE WESTERN HALF OF DISTRICT 4



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 CHRISTOPHER MAUSHARD (309) 671-3453
PROJECT MANAGER SOBHI LABABIDI/RAYMOND SAMARA 309-671-3460
 CONTRACT: 68C79
 CATALOG NO. 035315-00D

GROSS LENGTH = N/A
 NET LENGTH = N/A

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED 12/17 2015
Kenneth A. Gurnett
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Jan 29 2016
Muhammad M. Addis
 ENGINEER OF DESIGN AND ENVIRONMENT

Jan 29 2016
Omer Osman
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

COMMITMENTS

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

JOB SPECIFIC NOTES

ROUT & SEAL CENTERLINE, TRANSVERSE, INNER EDGELINE OF TURNING LANES AND CONSISTENT CENTER OF LANE CRACKS ONLY.

CARE SHALL BE EXERCISED TO KEEP SEALANT OFF EXISTING PAVEMENT MARKINGS. ANY DAMAGE TO THE PAVEMENT MARKINGS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE. WORK SHALL BE DONE IN ACCORDANCE TO SECTION 780 OF THE STANDARD SPECIFICATIONS AND TO THE SATISFACTION OF THE ENGINEER.

ALL DIRT AND DEBRIS CREATED BY THE ROUTING OPERATION SHALL BE CLEANED FROM THE PAVEMENT AND PAVED SHOULDERS AT THE END OF THE DAY'S OPERATIONS ACCORDING TO ARTICLE 107.15 OF THE STANDARD SPECIFICATIONS.

LOCATIONS ARE NUMBERED BY PRIORITY. LOCATIONS SHALL BE COMPLETED IN THIS ORDER ONLY.

FILE NAME :	USER NAME : aubraggs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS & JOB SPECIFIC NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
C:\Users\aubraggs\Desktop\68C79\1468894	shl-cover.dgn	DRAWN -	REVISED -			VAR.	D4 CRACK & JOINT SEAL 2016-	VARIOUS	12	2	
	PLOT SCALE * 100.0000 / / in.	CHECKED -	REVISED -			CONTRACT NO. 68C79					
Default	PLOT DATE * 12/18/2015	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

CRACK ROUTING			
LOCATION			FEET
MERCER COUNTY			
LOCATION 1	IL 94 FROM IL 135 TO 11TH ST. IN ALEDO		151,176
WARREN COUNTY			
LOCATION 2	US 67 FROM NORTH OF MCDONOUGH COUNTY LINE NORTHERLY TO STRUCTURES OF BIG NEGRO CREEK		70,340
MCDONOUGH COUNTY			
LOCATION 3	US 67 FROM 0.1 MILE N. OF NORTH ST. IN GOODHOPE AND EXTENDING ABOUT 1.18 MILES TO THE NORTH		28,280
FULTON COUNTY			
LOCATION 4	IL 97 (NORTH BOUND LANE) FROM (2350 N. SINNET CHAPEL RD.) NORTH TO IL 9		13,084
LOCATION 5	US 24/136 FROM N. OF US 136 E. (CAL BROWN) NORTH TO 950 N. (BACK RD.)		52,267
LOCATION 6	US 24 FROM END OF PCC PAVEMENT NEAR WEST CITY LIMIT OF ASORIA, SOUTHWESTERLY TO RAILROAD BRIDGE		77,982
LOCATION 7	US 24 FROM END OF PCC PAVEMENT NEAR EAST CITY LIMITS OF ASTORIA, NORTHEASTERLY TO CURVE, SOUTH OF SUMMUM		75,652
TOTAL			468,781

TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

CRACK FILLING			
LOCATION			POUND
MERCER COUNTY			
LOCATION 1	IL 94 FROM IL 135 TO 11TH ST. IN ALEDO		50,392
WARREN COUNTY			
LOCATION 2	US 67 FROM NORTH OF MCDONOUGH COUNTY LINE NORTHERLY TO STRUCTURES OF BIG NEGRO CREEK		23,447
MCDONOUGH COUNTY			
LOCATION 3	US 67 FROM 0.1 MILE N. OF NORTH ST. IN GOODHOPE AND EXTENDING ABOUT 1.18 MILES TO THE NORTH		9,427
FULTON COUNTY			
LOCATION 4	IL 97 (NORTH BOUND LANE) FROM (2350 N. SINNET CHAPEL RD.) NORTH TO IL 9		4,361
LOCATION 5	US 24/136 FROM N. OF US 136 E. (CAL BROWN) NORTH TO 950 N. (BACK RD.)		17,422
LOCATION 6	US 24 FROM END OF PCC PAVEMENT NEAR WEST CITY LIMIT OF ASORIA, SOUTHWESTERLY TO RAILROAD BRIDGE		25,994
LOCATION 7	US 24 FROM END OF PCC PAVEMENT NEAR EAST CITY LIMITS OF ASTORIA, NORTHEASTERLY TO CURVE, SOUTH OF SUMMUM		25,217
TOTAL			156,260

MOBILIZATION	
LOCATION	L SUM
JOBSITE	1
TOTAL	1

FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
C:\Users\aubreys\Desk top\68C79\468896-shit-cover.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/18/2015	DATE -	REVISED -

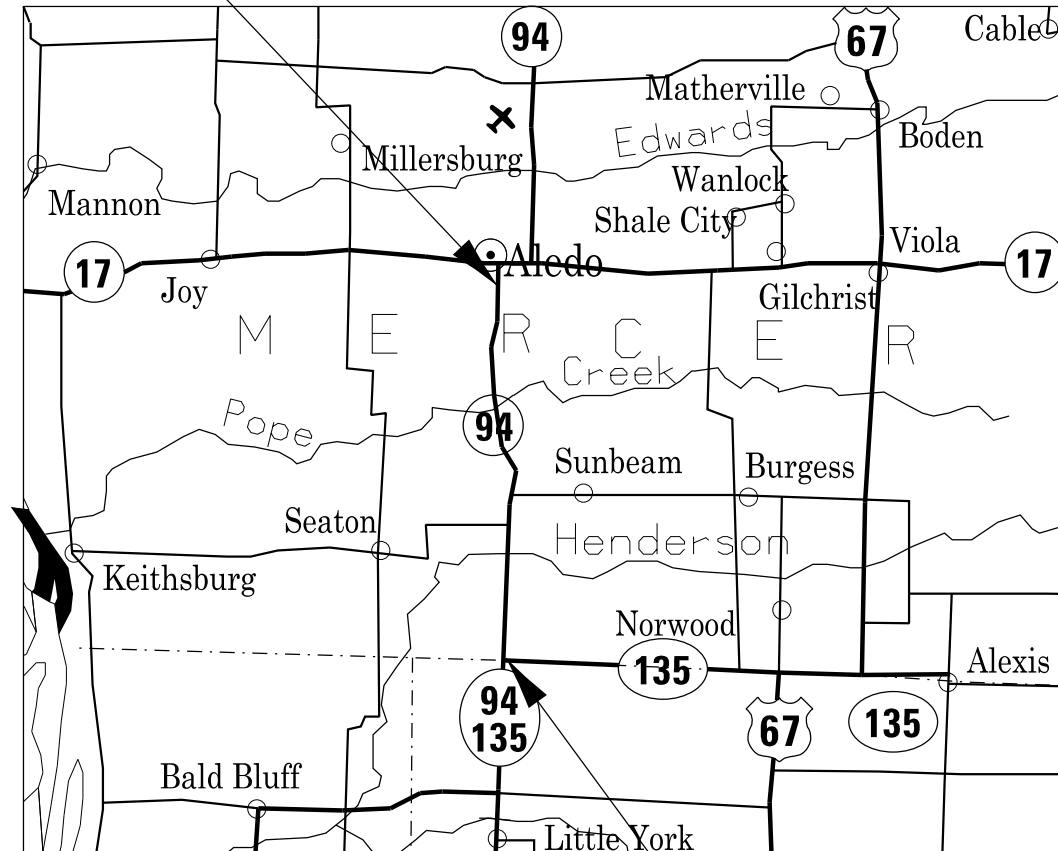
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2016-I	VARIOUS	12	4
CONTRACT NO. 68C79			ILLINOIS FED. AID PROJECT	

PROJECT BEGINS
IL 94
STA. 2+20



PROJECT ENDS
IL 94
STA. 10+00

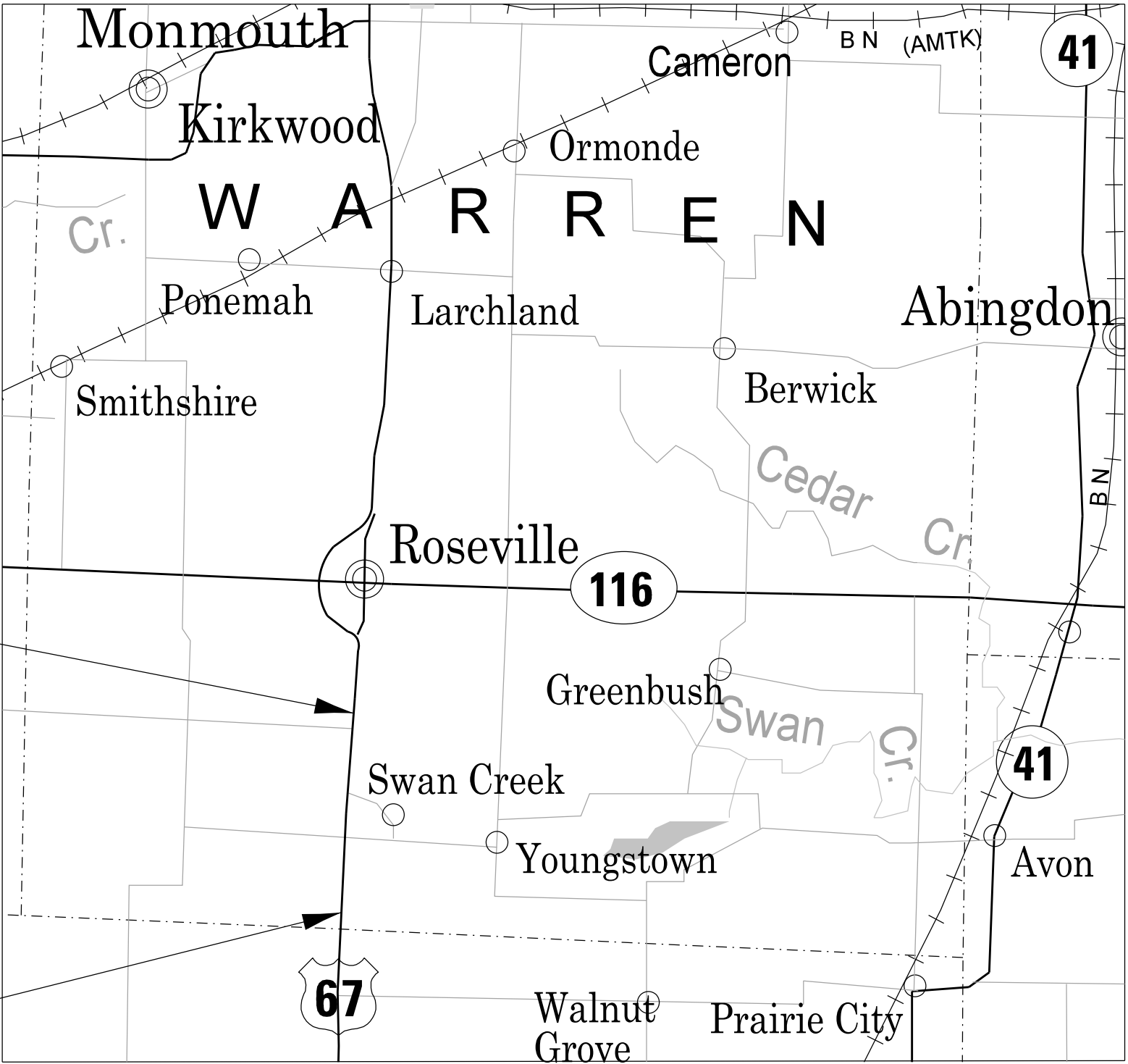
FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
C:\Users\aubreys\Desktop\68C79\468896-sh1-cover.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/18/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #1 - MERCER COUNTY

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2016-I	VARIOUS	12	5
			CONTRACT NO. 68C79	
ILLINOIS FED. AID PROJECT				



PROJECT ENDS
US 67
STA. 805+64

PROJECT BEGINS
US 67
STA. 592+00

FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
C:\Users\aubreys\Desktop\68C79\468896-sh1-cover.dgn		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 12/18/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

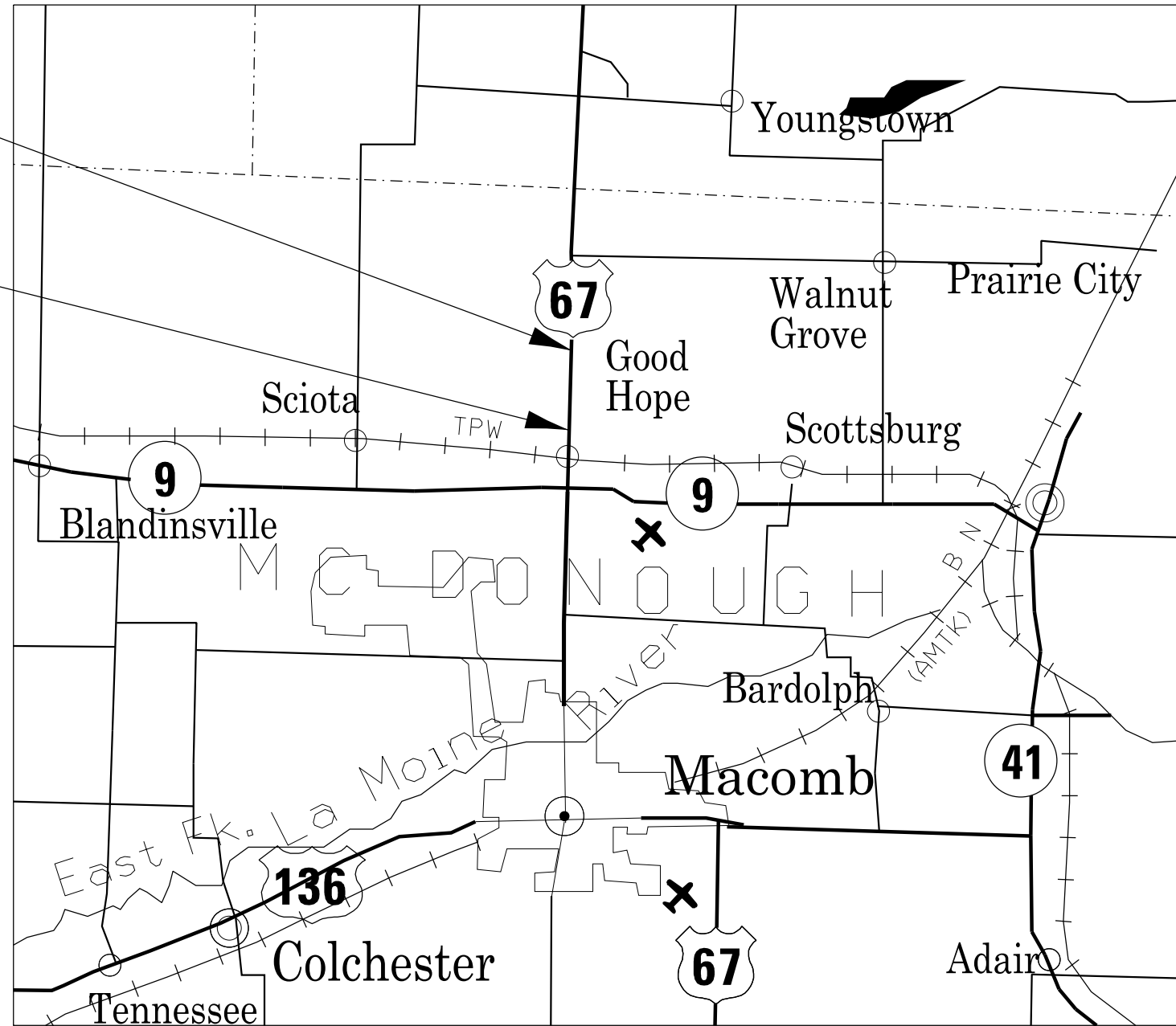
LOCATION #2- WARREN COUNTY

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR. D4 CRACK & JOINT SEAL 2016-I		WARREN	12	6
CONTRACT NO. 68C79			ILLINOIS FED. AID PROJECT	

PROJECT ENDS
US 67
STA 402+50

PROJECT BEGINS
US 67
STA. 340+10



FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
C:\Users\aubreys\Desktop\68C79\468896-sh1-cover.dgn		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 12/18/2015	DATE -	REVISED -

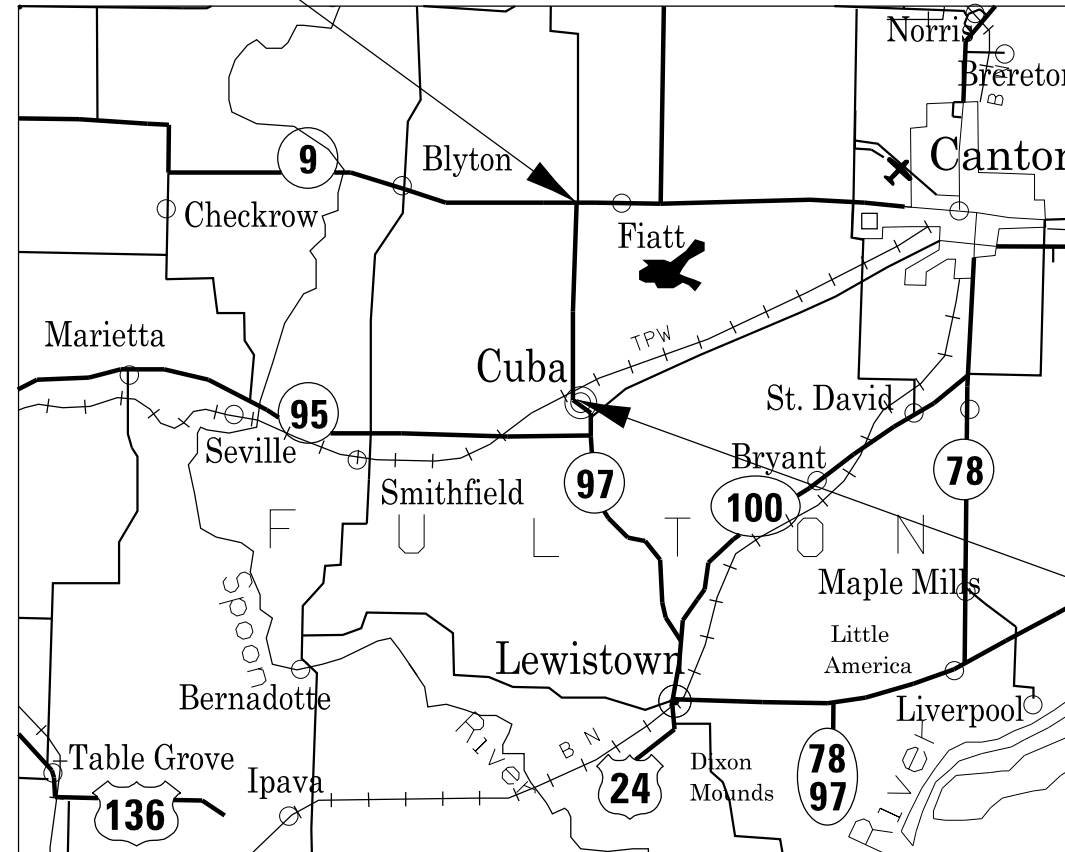
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #3 - MCDONOUGH COUNTY

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2016-I	VARIOUS	12	7
CONTRACT NO. 68C79			ILLINOIS FED. AID PROJECT	

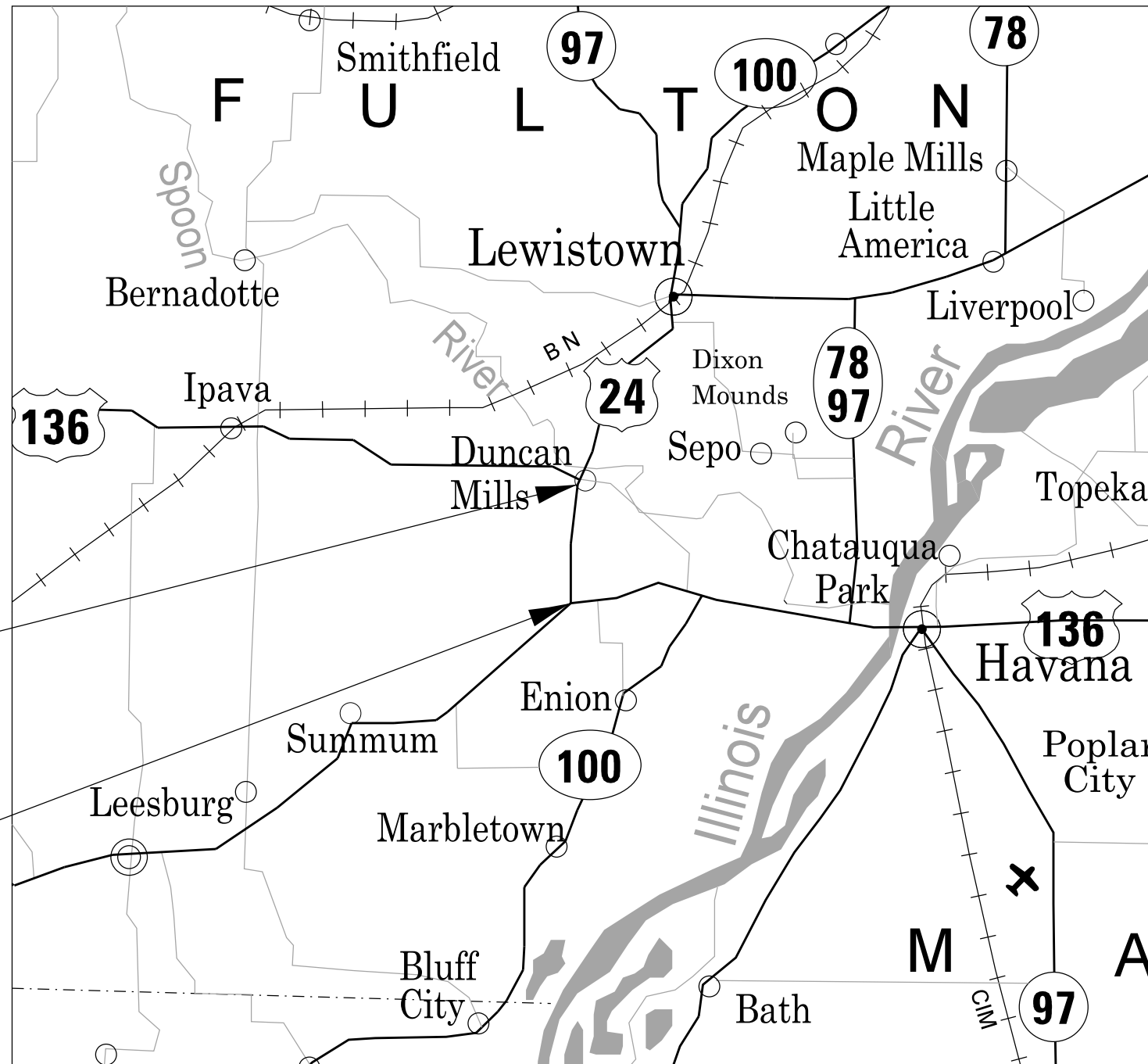
PROJECT BEGINS
 IL 97
 STA. 367+69



PROJECT ENDS
 IL 97
 STA 586+23 |

BRIDGE OMISSION: STA. 494+58 TO STA. 497+28

FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION #4 - FULTON COUNTY		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
C:\Users\aubreys\Desktop\68C79\468B96-sh1-cover.dgn	Default	DRAWN -	REVISED -				VAR.	D4 CRACK & JOINT SEAL 2016-I	VARIOUS	12	8	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:		SHEET 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 68C79		
	PLOT DATE = 12/18/2015	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



PROJECT BEGINS
US 24 / US 136
STA. 131+62

PROJECT ENDS
US 24 / US 136
STA. 203+12

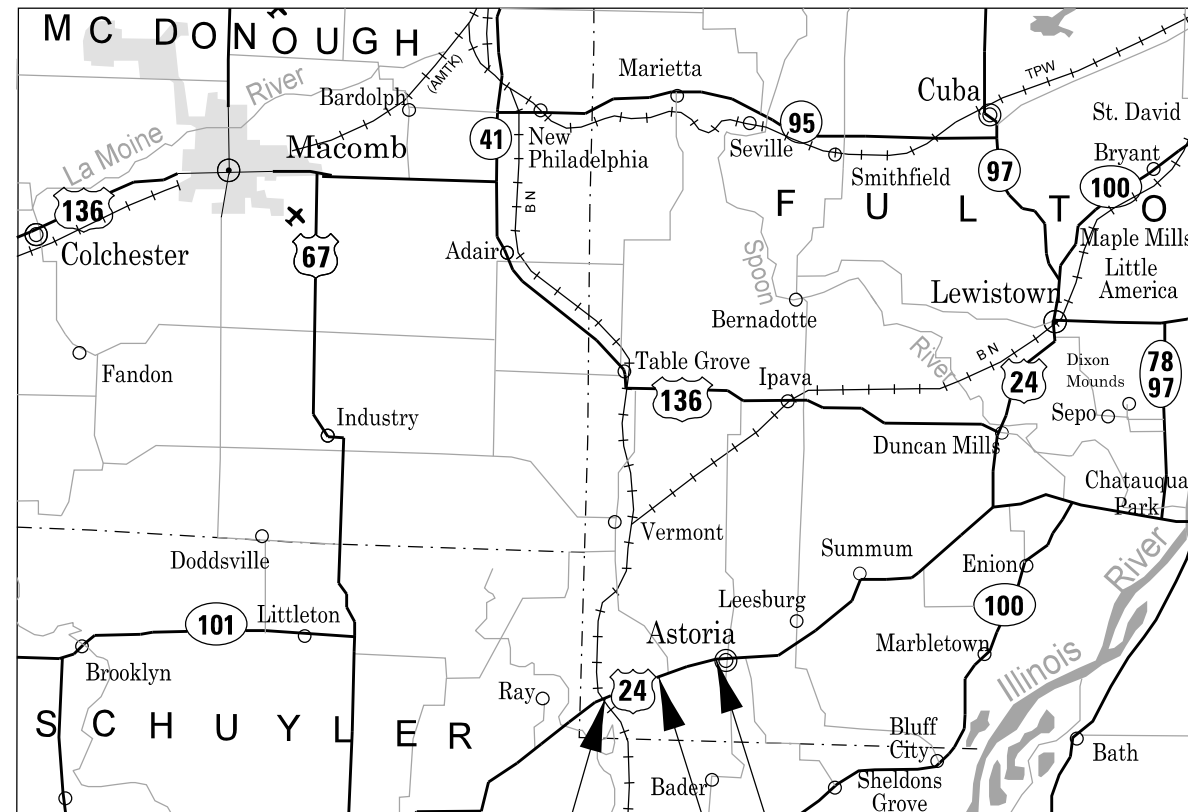
FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
C:\Users\aubreys\Desktop\68C79\468B96-sh1-cover.dgn		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/18/2015		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #5 - FULTON COUNTY

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2016-I	VARIOUS	12	9
			CONTRACT NO. 68C79	
ILLINOIS FED. AID PROJECT				



PROJECT ENDS
US 24
STA. 228+45

PROJECT BEGINS
US 24
STA. 23+85

STATION EQUATION:
STA. 171+3.73 (BK) = STA. 171+23.69 (AH)

FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
C:\Users\aubreys\Desktop\68C79\468896-sh1-cover.dgn		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -
	PLOT DATE = 12/18/2015		

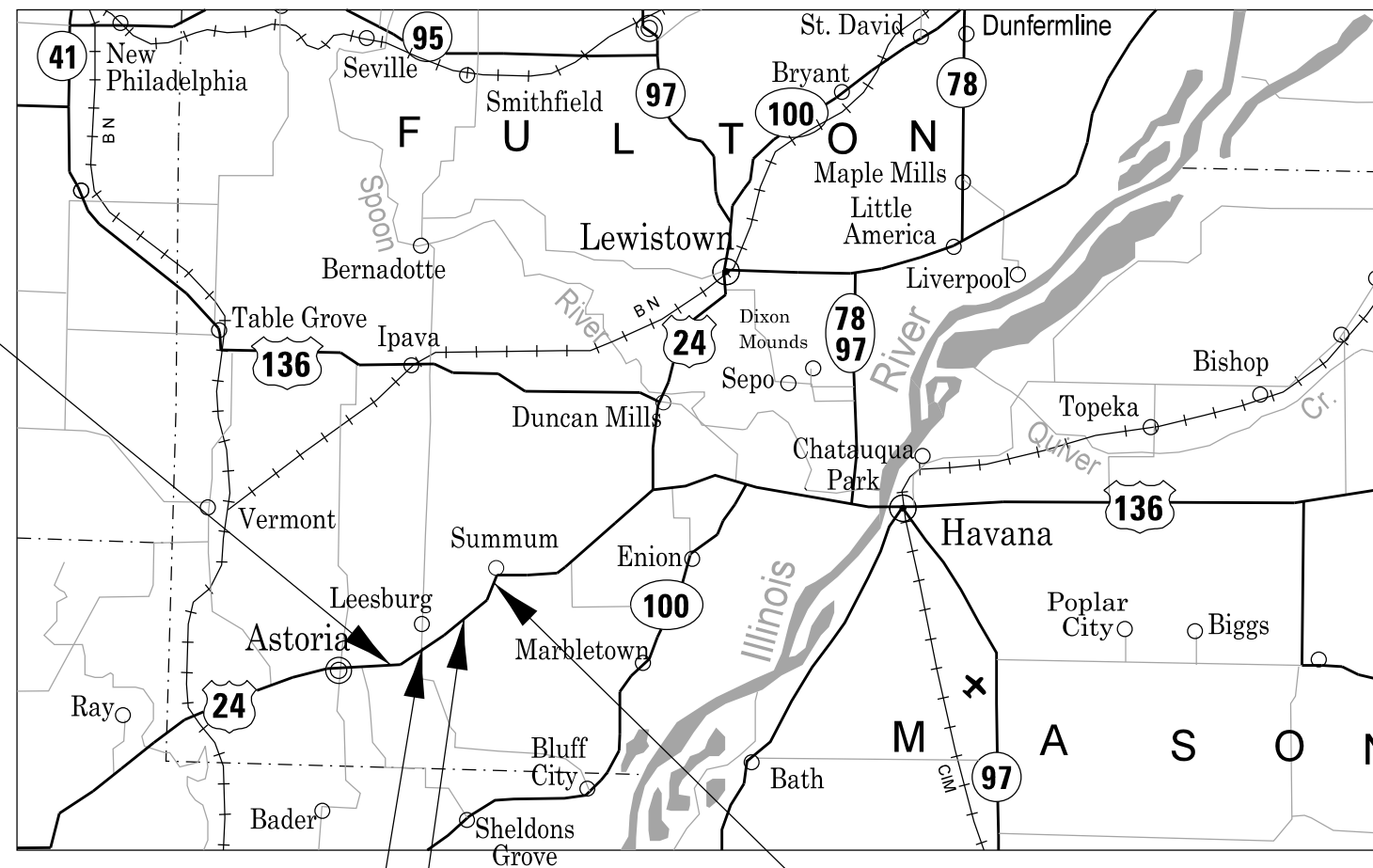
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #6 - FULTON COUNTY

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2016-I	VARIOUS	12	10
			CONTRACT NO. 68C79	
ILLINOIS FED. AID PROJECT				

PROJECT ENDS
US 24
STA. 872+45



STATION EQUATION:
STA. 762+87 (BK) = STA. 763+00 (AH)

STATION EQUATION:
STA. 845+15 (BK) = STA. 845+21 (AH)

PROJECT BEGINS
US 24
STA. 669+44

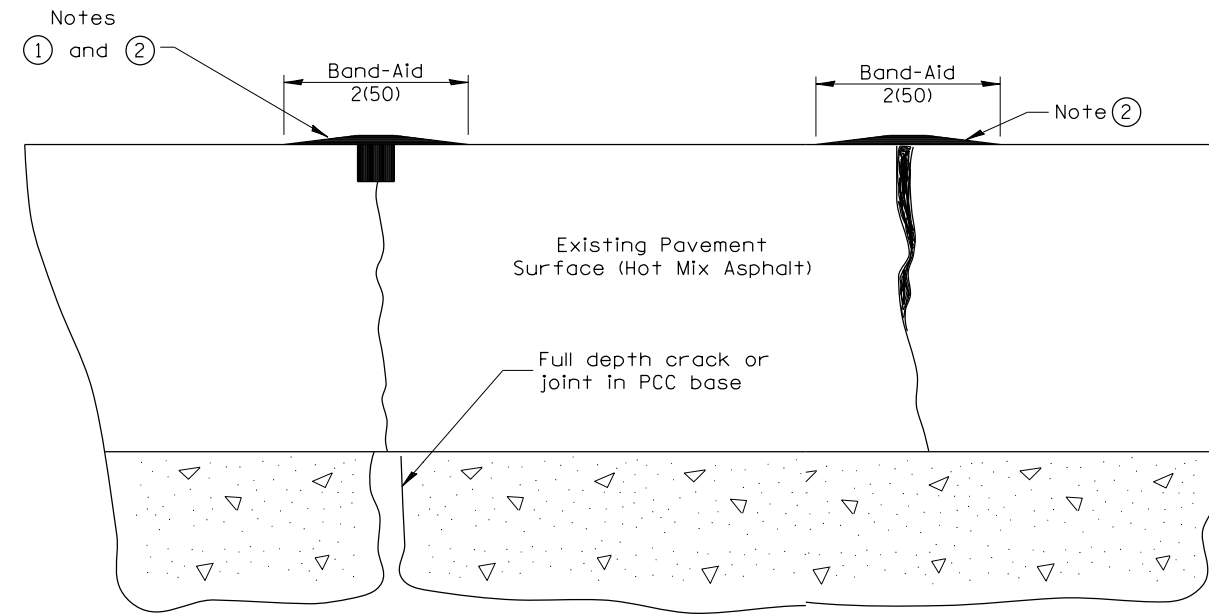
FILE NAME =	USER NAME = aubreys	DESIGNED -	REVISED -
C:\Users\aubreys\Desktop\68C79\468B96-sh1-cover.dgn		DRAWN -	REVISED -
Default		CHECKED -	REVISED -
	PLOT DATE = 12/18/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION #7 - FULTON COUNTY

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2016-I	VARIOUS	12	11
			CONTRACT NO. 68C79	
ILLINOIS FED. AID PROJECT				

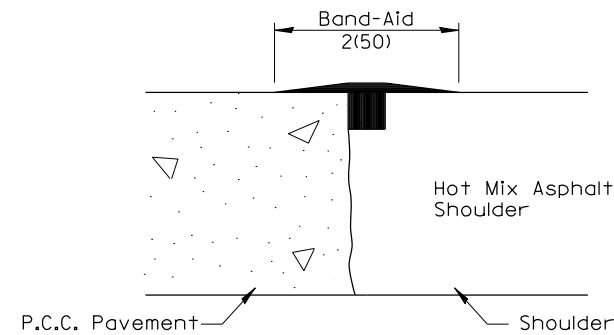


**PRIMARY TRANSVERSE,
LONGITUDINAL CRACK &
P.C.C. CENTERLINE JOINT**

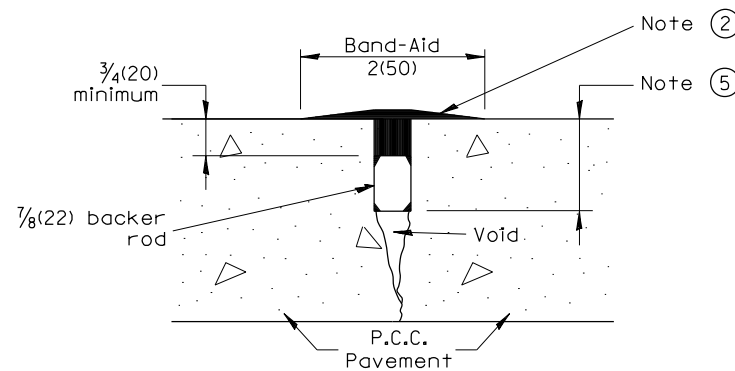
**SECONDARY
ADJACENT CRACK**

NOTES

- ① Route or saw to $\frac{3}{4}(20)$ wide by $\frac{3}{4}(20)$ deep; (1:1 ratio).
- ② Overfill with sealant; squeegee to provide 2 (50) wide flush "band-aid" effect; feather edges flush.
- ③ Seal flush without "band-aid" effect.
- ④ Route to 1(25) depth; clean and reface walls.
- ⑤ Route or saw $\frac{3}{4}(20)$ wide by variable depth. Depth based upon crack or joint depth and $\frac{3}{4}(20)$ minimum sealer over backer rod.



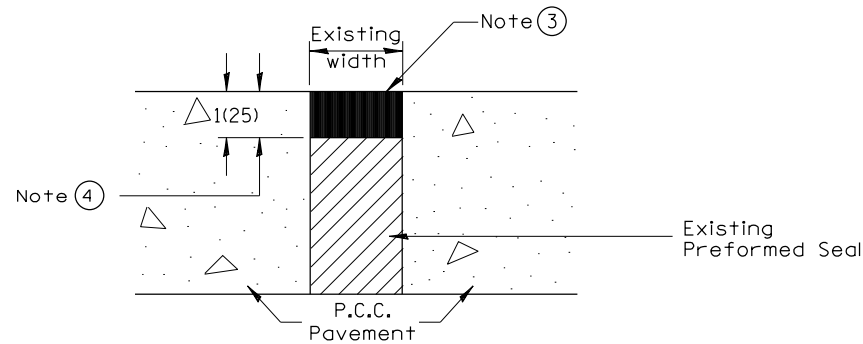
**SHOULDER JOINT (Notes ① & ②) AND
LONGITUDINAL RANDOM CRACK (Notes ① & ③)**



SPECIAL TREATMENT - BACKER ROD
FOR JOINTS AND/OR CRACKS GREATER
THAN $\frac{3}{4}(20)$ DEEP
(DOES NOT APPLY TO TRANSVERSE RANDOM CRACKS
IN CONTINUOUSLY REINFORCED PAVEMENTS)

GENERAL NOTES

- 1. Crack and Joint Sealing shall conform to Section 451 and 452.
- 2. The "Band Aid" width shall be reduced or eliminated in areas adjacent to existing pavement markings.



TRANVERSE EXPANSION JOINT

All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-36.01, NEW REVISE BOX	T.P.
05-01-97	REVISED	E.T.
10-16-06	REVISED TO 2007 SPEC.	M.A.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CRACK AND JOINT SEALING

NOT TO SCALE

CADD STD. 452001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2016-1	VARIOUS	12	12
			CONTRACT NO. 68C79	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				