

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION D4 CRACK & JOINT SEAL 2015

PREVENTATIVE MAINTANACE
VARIOUS COUNTIES

C-94-095-14

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2015	VARIOUS	13	1
		ILLINOIS	CONTRACT NO. 68B96	

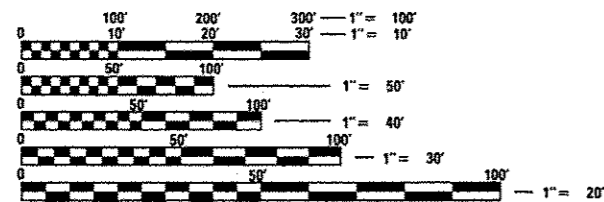
FOR INDEX OF SHEETS, SEE SHEET NO. 2

STANDARDS

- 701101-04
- 701301-04
- 701306-03
- 701311-03
- 701400-08
- 701406-09
- 701411-09
- 701901-04

PROJECT DESCRIPTION

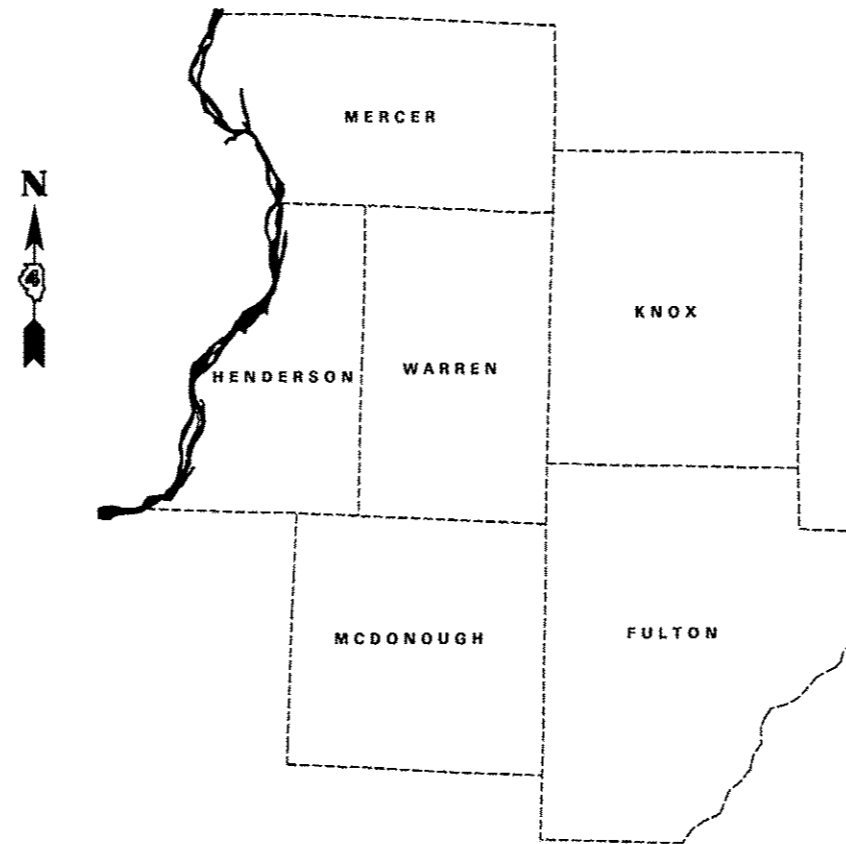
CRACK & JOINT SEALING ON VARIOUS ROUTES
THROUGHOUT THE WESTERN HALF OF DISTRICT 4



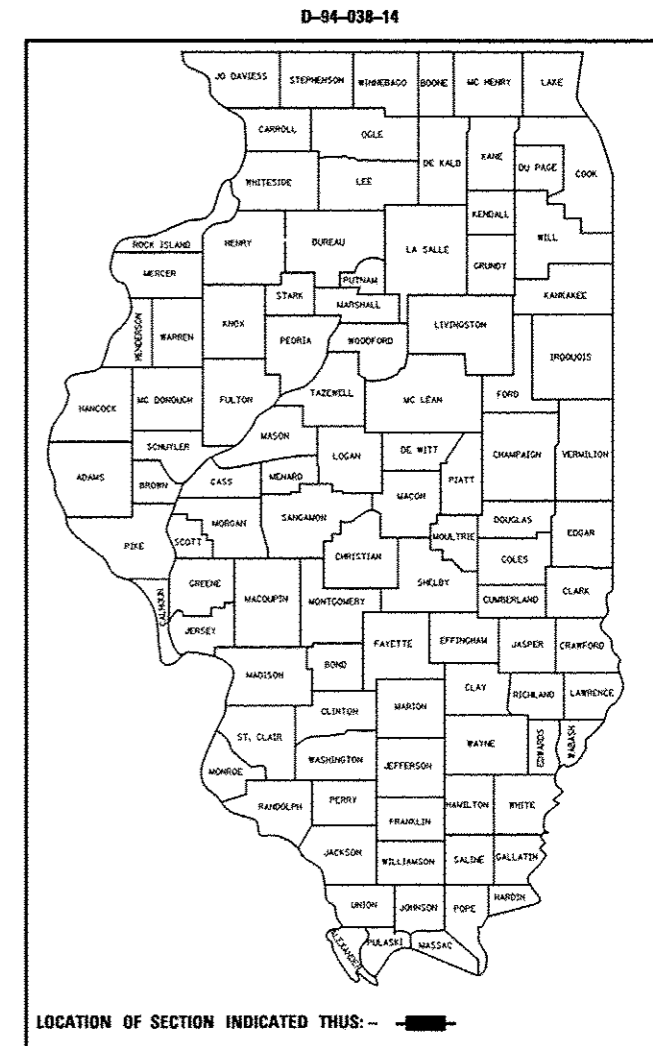
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER MIKE LEWIS (309) 671-3454
PROJECT MANAGER RAYMOND SAMARA(309) 671-3459
CATALOG NO. 035131-00D
CONTRACT NO. 68B96



GROSS LENGTH = NA
NET LENGTH = NA



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: October 20 20 14

Jan 30 20 15
James D. Baranzoni, PE, EIT
ENGINEER OF DESIGN AND ENVIRONMENT

Jan 30 20 15
Omer Osman, PE, EIT
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONST. CODE
				100% STATE VAR. COUNTIES 0005
45100100	CRACK ROUTING (PAVEMENT)	FOOT	524, 106	524, 106
45100200	CRACK FILLING	POUND	174, 702	174, 702
67100100	MOBILIZATION	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1

6

CRACK ROUTING		
	LOCATION	FEET
LOC. 1	FULTON COUNTY	
	IL 100 FROM IL 78 TO BRYANT WESTBOUND LANE	30,760
LOC. 2	KNOX COUNTY	
	US 34 FROM N. OF WEST MAIN ST (IL 164) TO WEST OF HENDERSON ST. (US 150)	44,574
LOC. 3	IL 78 FROM IL 116 TO IL 8	30,920
	PEORIA COUNTY	
LOC. 3	IL 78 FROM IL 116 TO IL 8	73,480
	FULTON COUNTY	
LOC. 4	IL 9 FROM IL 78 IN CANTON TO US 24 IN BANNER	96,017
LOC. 5	IL 97 FROM NCL OF CUBA TO IL 9	73,867
LOC. 6	MERCER COUNTY	
	IL 94 FROM IL 135 TO IL 17	115,724
LOC. 6	MCDONOUGH COUNTY	
	IL 94 FROM IL 135 TO IL 17	115,724
LOC. 7	US 67 FROM 0.1 MILE N. OF NORTH ST. IN GOODHOPE & EXTENDING ABOUT 1.18 MILES TO THE NORTH	15,600
	KNOX COUNTY	
LOC. 8	WBL I-74 FROM NORTH OF US 34 TO NORTH OF IL 17 (MM 45 TO MM 32)	116,640
TOTAL		524,106

CRACK FILLING		
	LOCATION	POUNDS
LOC. 1	FULTON COUNTY	
	IL 100 FROM IL 78 TO BRYANT WESTBOUND LANE	10,254
LOC. 2	KNOX COUNTY	
	US 34 FROM N. OF WEST MAIN ST (IL 164) TO WEST OF HENDERSON ST. (US 150)	14,858
LOC. 3	IL 78 FROM IL 116 TO IL 8	10,307
	PEORIA COUNTY	
LOC. 3	IL 78 FROM IL 116 TO IL 8	24,493
	FULTON COUNTY	
LOC. 4	IL 9 FROM IL 78 IN CANTON TO US 24 IN BANNER	32,006
LOC. 5	IL 97 FROM NCL OF CUBA TO IL 9	24,622
LOC. 6	MERCER COUNTY	
	IL 94 FROM IL 135 TO IL 17	38,575
LOC. 6	MCDONOUGH COUNTY	
	IL 94 FROM IL 135 TO IL 17	38,575
LOC. 7	US 67 FROM 0.1 MILE N. OF NORTH ST. IN GOODHOPE & EXTENDING ABOUT 1.18 MILES TO THE NORTH	5,200
	KNOX COUNTY	
LOC. 8	WBL I-74 FROM NORTH OF US 34 TO NORTH OF IL 17 (MM 45 TO MM 32)	38,880
TOTAL		174,702

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

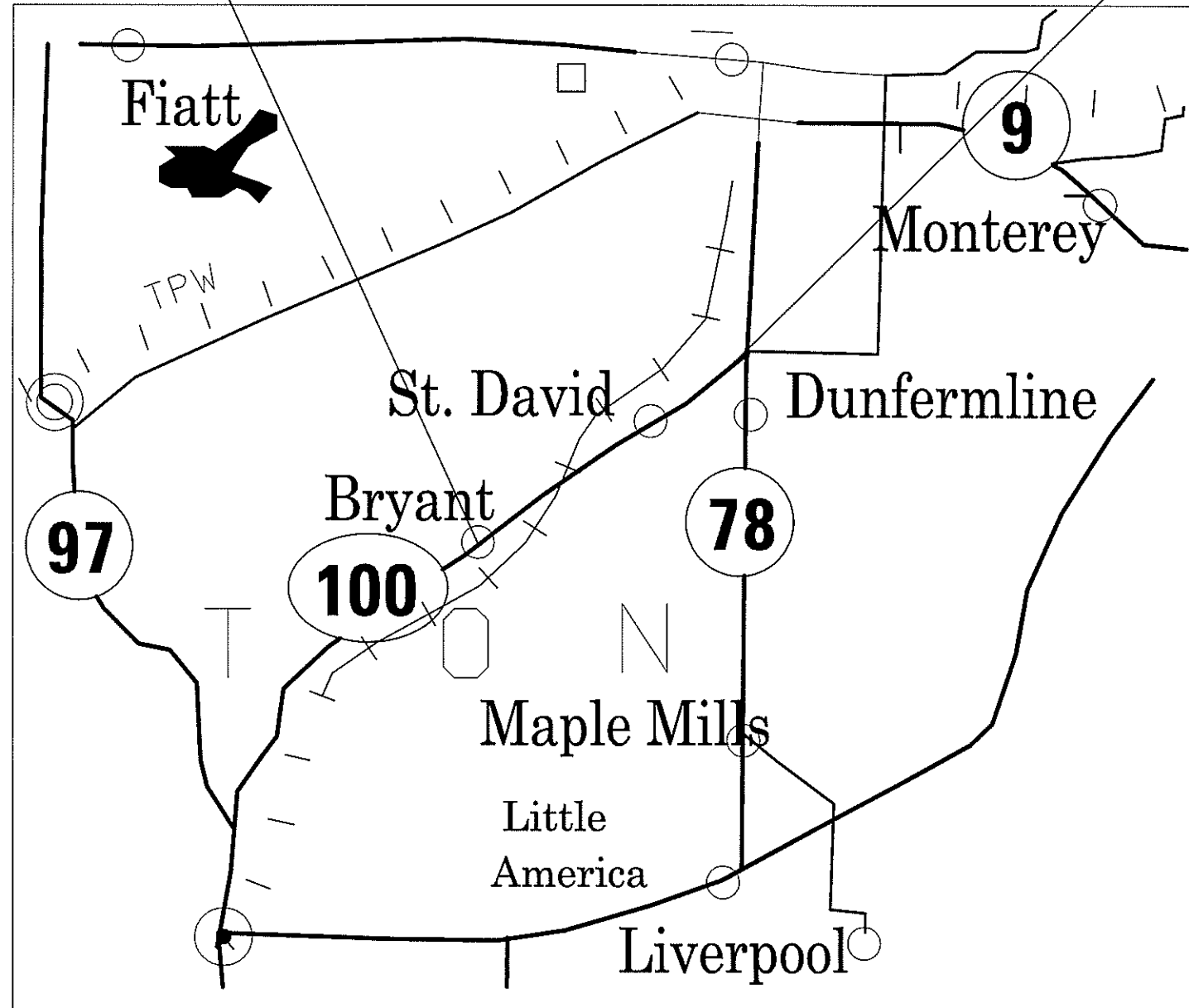
TRAFFIC CONTROL AND PROTECTION STANDARD 701406	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

MOBILIZATION	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

TRAFFIC CONTROL AND PROTECTION STANDARD 701411	
LOCATION	EACH
JOBSITE	2
TOTAL	2

PROJECT ENDS
IL 100
STA. 80+10

PROJECT BEGINS
IL 100
STA. 55+33



RR OMISSION STA. 228+08 TO STA. 222+018

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DRAWN -
PLOT SCALE = 100.4566' / in.
CHECKED -
PLOT DATE = 10/16/2014
DATE -

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

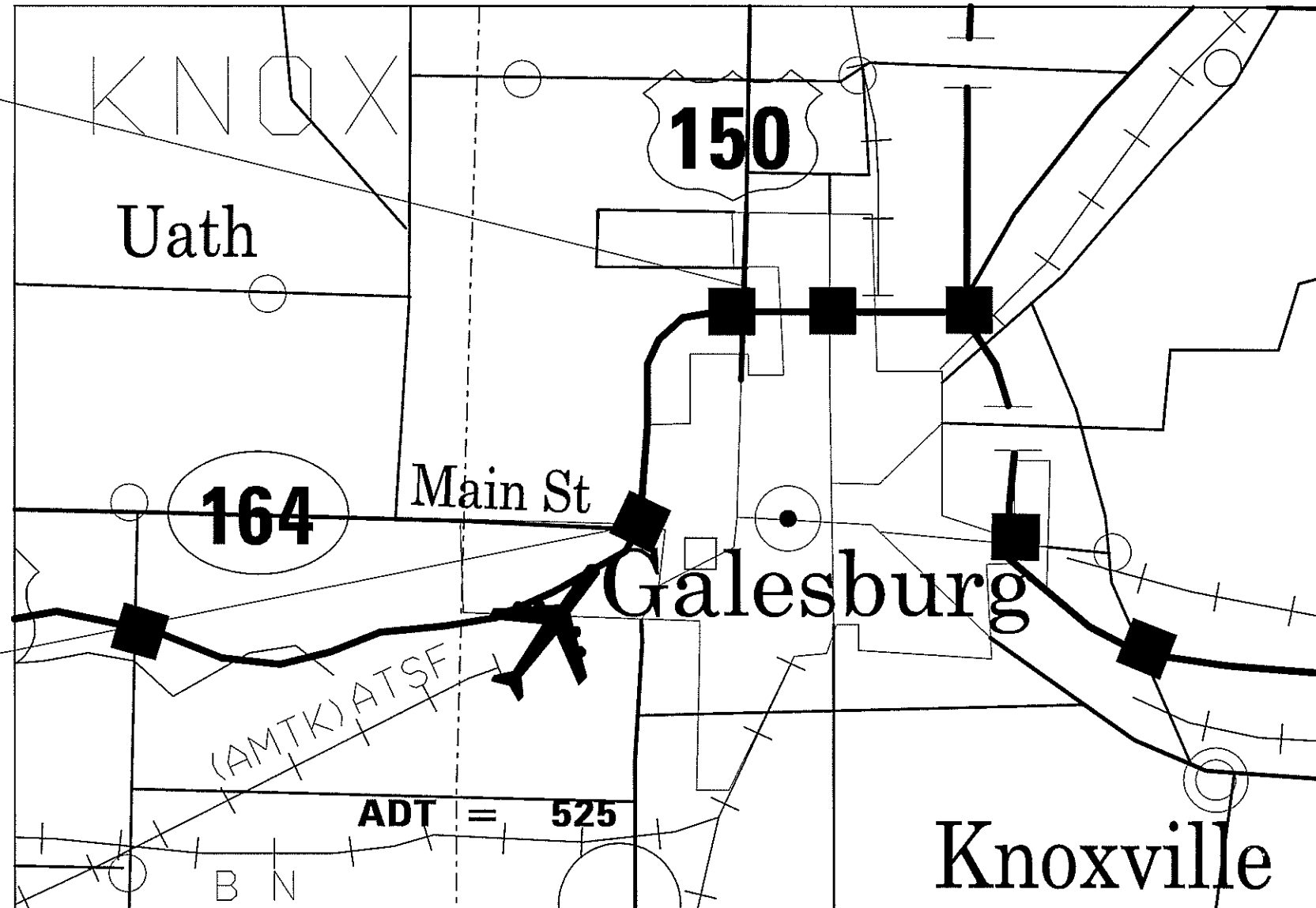
LOCATION #1 - FULTON COUNTY

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2015	VARIOUS	13	5
CONTRACT NO. 68B96				
ILLINOIS FED. AID PROJECT				

PROJECT ENDS
US 34
STA. 477+00

PROJECT BEGINS
US 34
STA. 363+00



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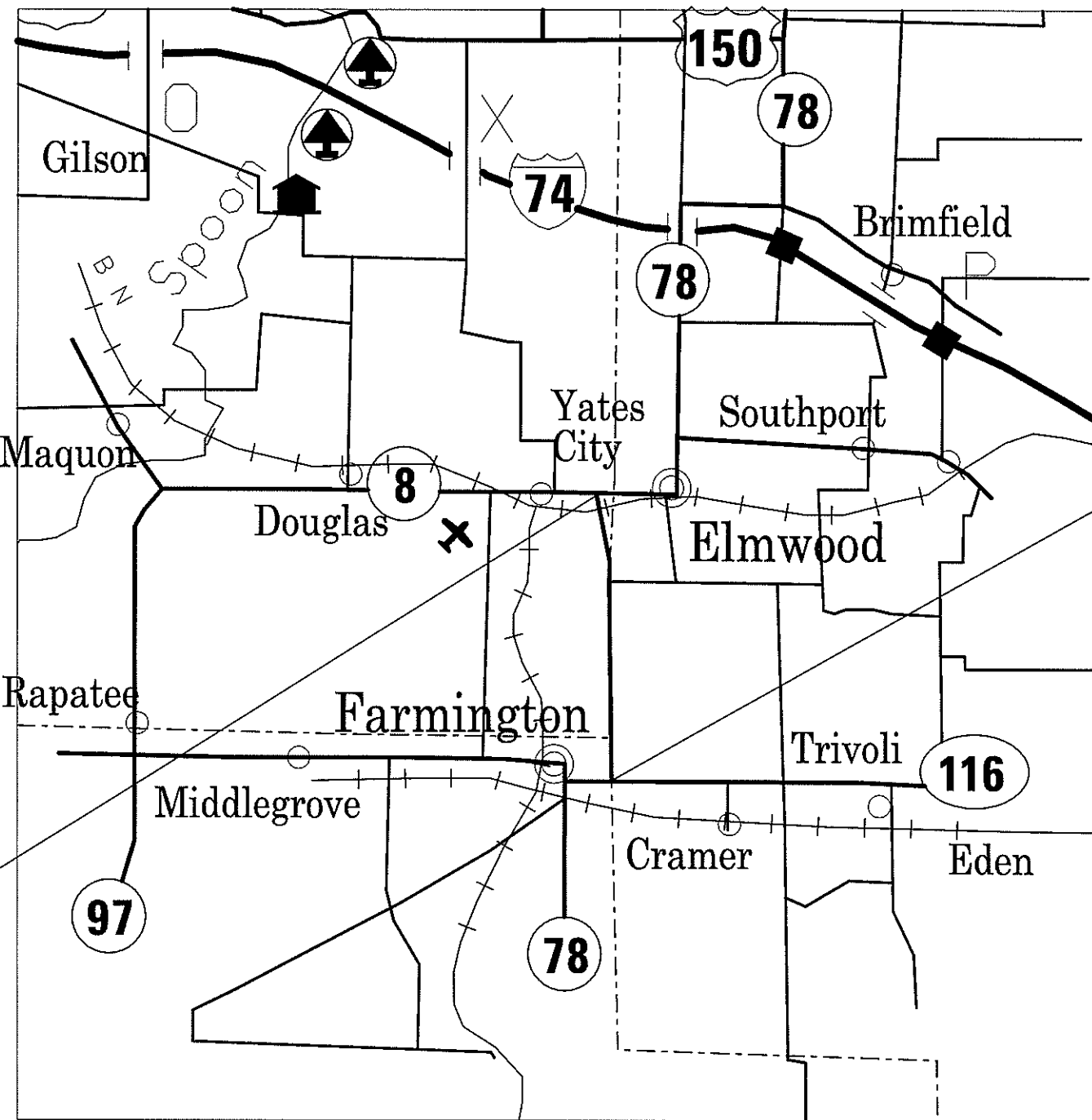
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DATE -

REVISED -
REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #2 - KNOX COUNTY
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2015-1	VARIOUS	13	6
CONTRACT NO. 68B96			ILLINOIS FED. AID PROJECT	

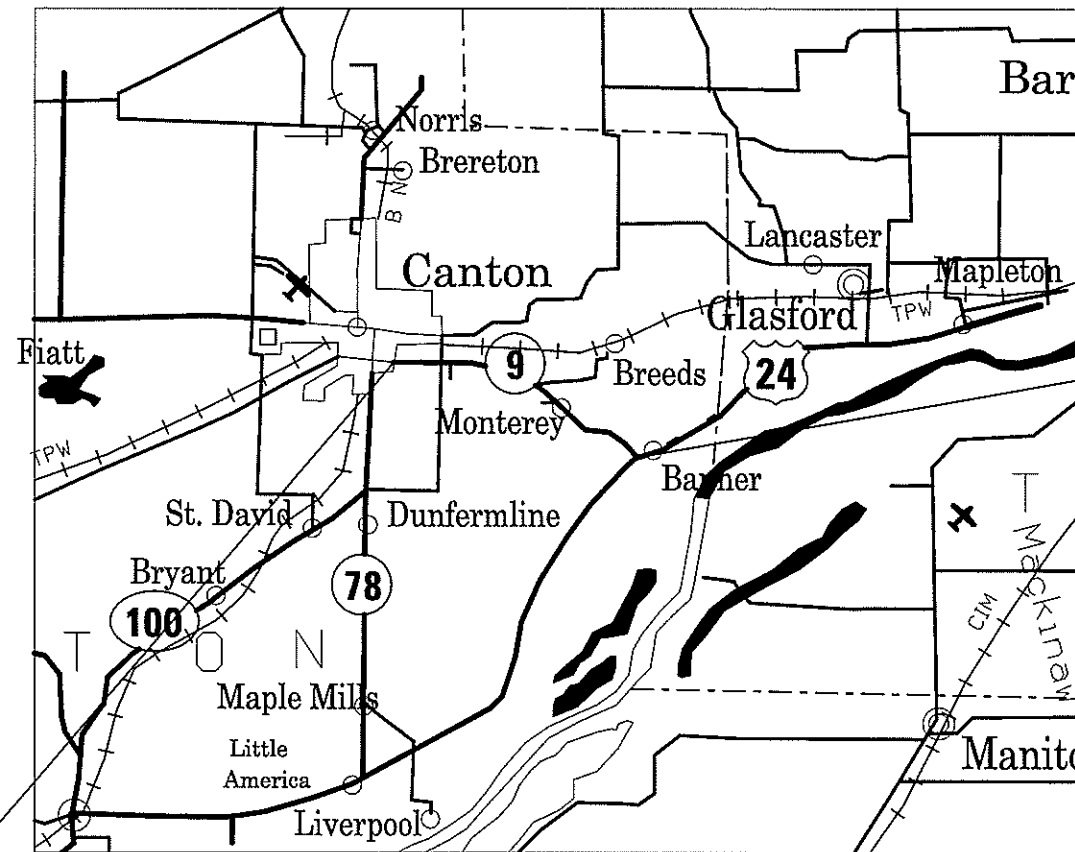


PROJECT BEGINS
IL 78
STA. 1+10

PROJECT ENDS
IL 78
STA. 297+90

BRIDGE OMISSION: STA. 108+45 TO STA. 109+71
STA. 235+50 TO STA. 236+76

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		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



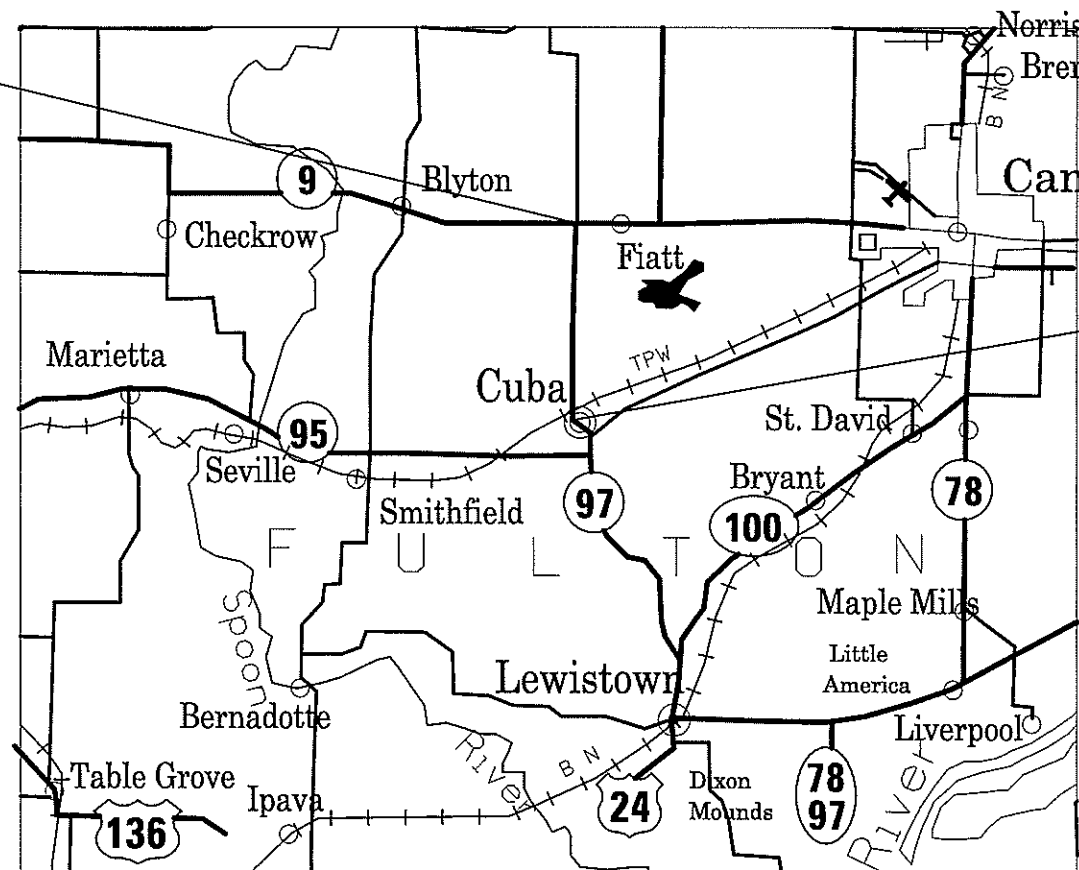
PROJECT ENDS
IL 9
STA 372+65

PROJECT BEGINS
IL 9
STA. 13+00

RR OMISSION: STA. 150+82 TO STA. 150+94

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		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET 1 OF 1 SHEETS		STA.	TO STA.		

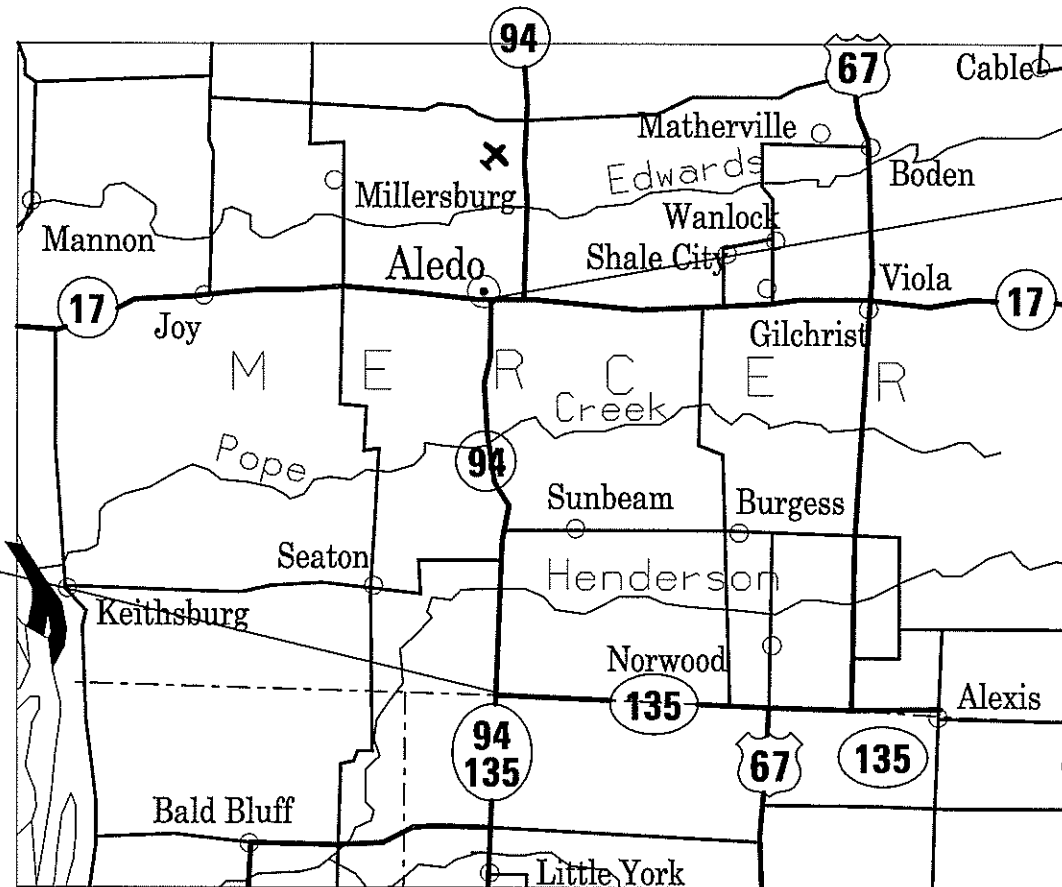
PROJECT BEGINS
IL 97
STA. 367+69



PROJECT ENDS
IL 97
STA 586+23 ±

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

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ILLINOIS FED. AID PROJECT												



PROJECT ENDS
IL 94
STA. 10+00

PROJECT BEGINS
IL 94
STA 28+60

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PLOT SCALE = 100.4566' / in.
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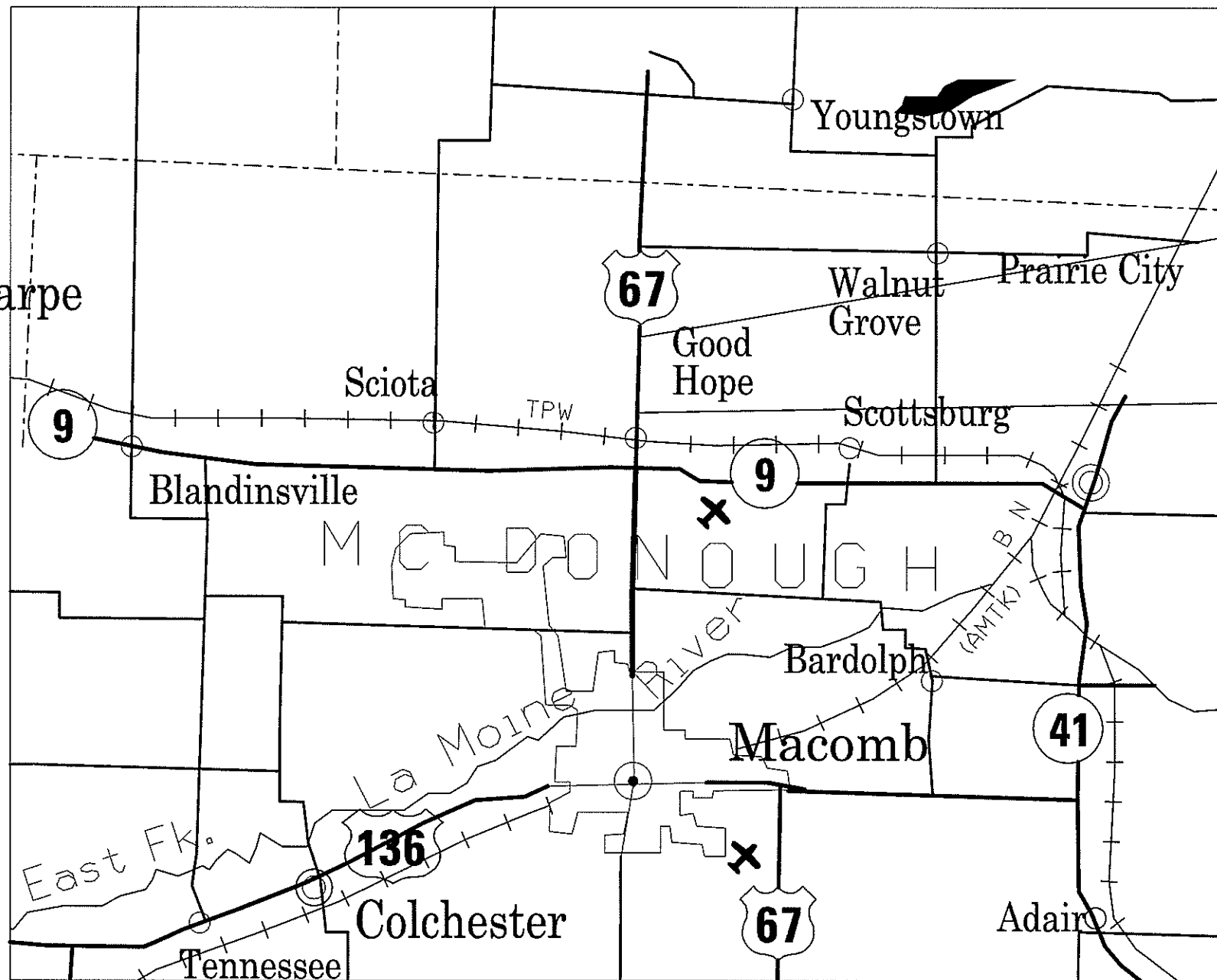
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #6 - 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 2015	VARIOUS	13	10
CONTRACT NO. 68B96			ILLINOIS FED. AID PROJECT	



La Harpe



PROJECT ENDS
US 67
STA 402+50

PROJECT BEGINS
US 67
STA. 340+10

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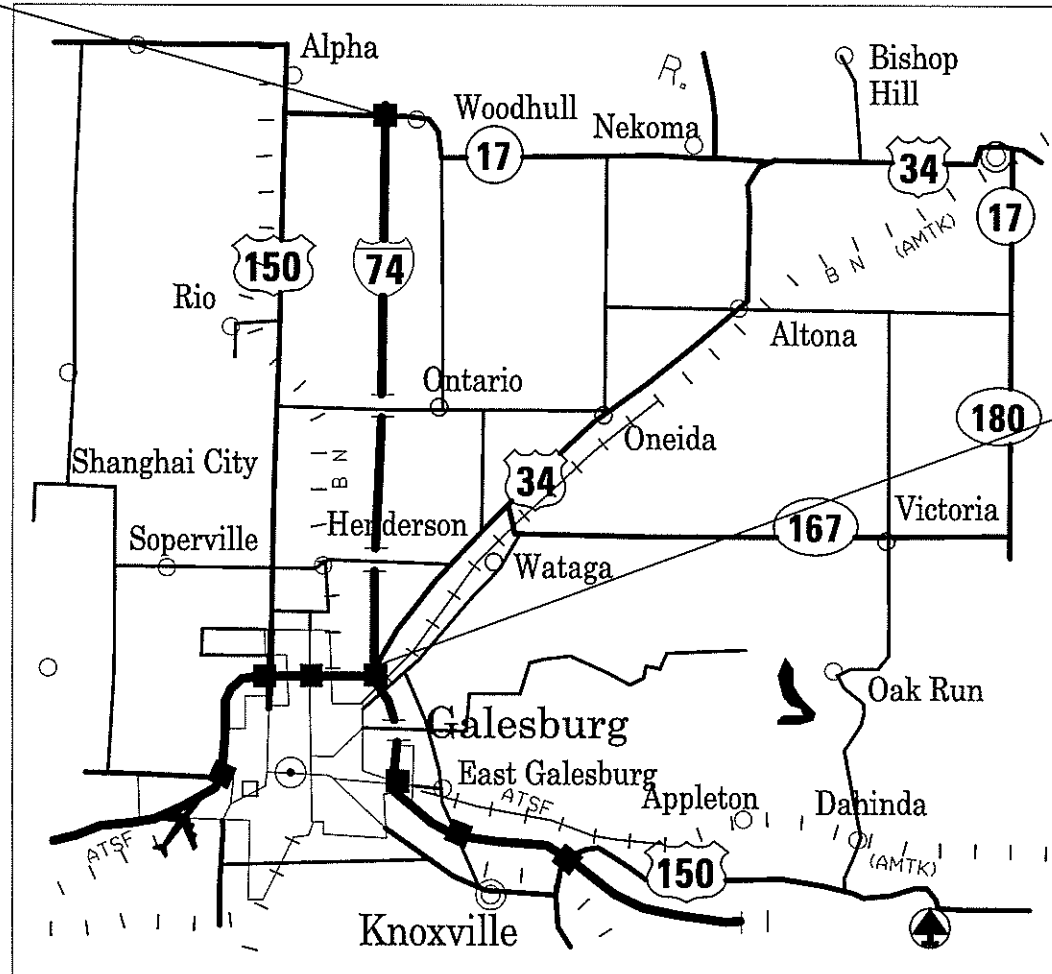
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION #7 - 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 2015	VARIOUS	13	11
			CONTRACT NO. 68B96	
ILLINOIS FED. AID PROJECT				

PROJECT STARTS
STA. 10+20



PROJECT ENDS
STA. 193+30

BRIDGE OMISSION: STA. 21+15 TO STA. 23+63
 STA. 28+17 TO STA. 29+58
 STA. 416+63 TO STA. 417+78

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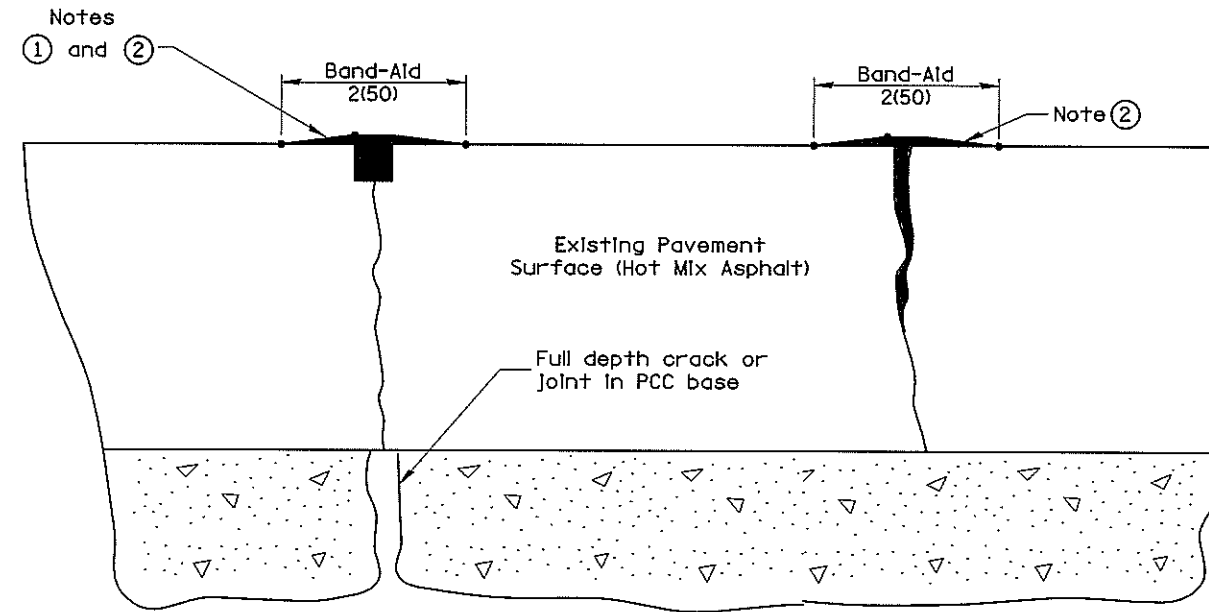
DESIGNED -
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 CHECKED -
 DATE -

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION #8 - KNOX COUNTY
 SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D4 CRACK & JOINT SEAL 2015	VARIOUS	13	12
CONTRACT NO. 68B96			ILLINOIS FED. AID PROJECT	

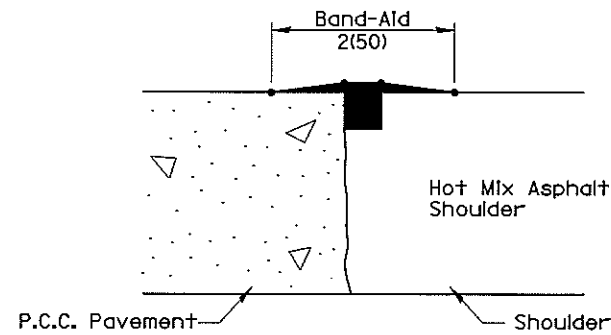


**PRIMARY TRANSVERSE,
LONGITUDINAL CRACK &
P.C.C. CENTERLINE JOINT**

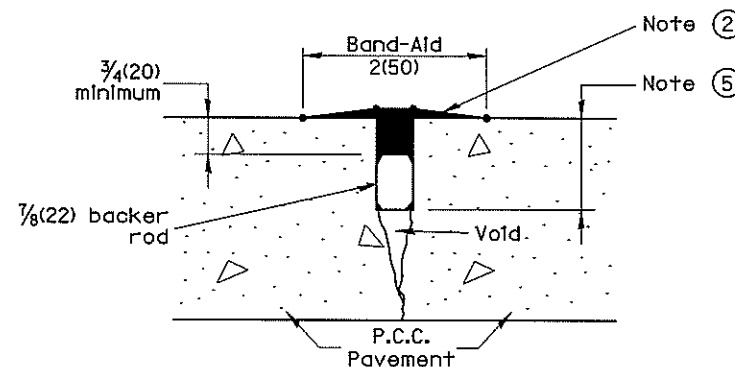
**SECONDARY
ADJACENT CRACK**

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.



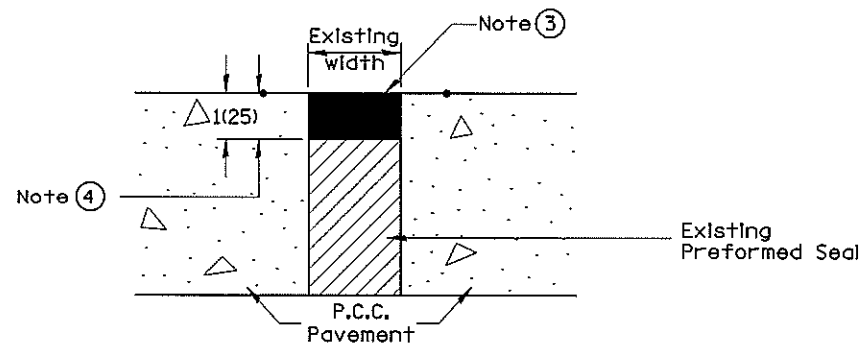
**SHOULDER JOINT (Notes ① & ②) AND
LONGITUDINAL RANDOM CRACK (Notes ① & ③)**



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.



TRANSVERSE 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. DM CRACK & JOINT SEAL 2015	VARIOUS	VARIOUS	13	13
CONTRACT NO. 68B96				