

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

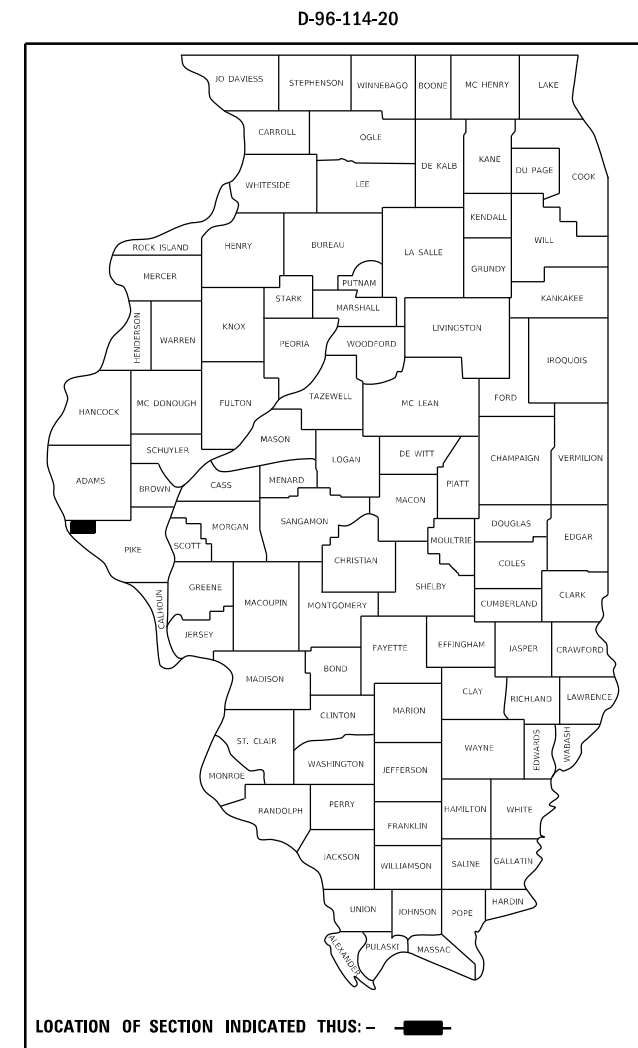
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(86-10) PP	PIKE	7	1
		ILLINOIS	CONTRACT NO. 72M44	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

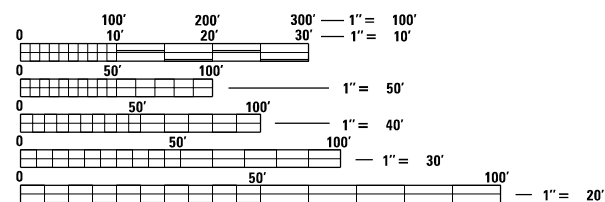
**PROPOSED  
CONTRACT MAINTENANCE**

**FAI ROUTE 72 (I 72)  
SECTION (75-1) BJR-3  
PROJECT: STATE  
JOINT REPLACEMENT  
PIKE COUNTY**

C-96-145-20



ADT = 7,200 (2019)  
SU = 250  
MU = 1,600

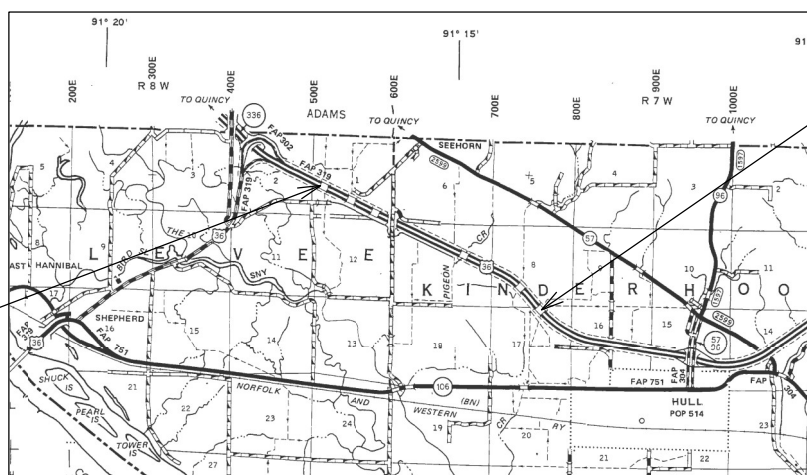


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER MIKE IRWIN  
PROJECT MANAGER TIM SHARP

CONTRACT NO. 72M44



BEGIN PROJECT  
STA. 1070+50

END PROJECT  
STA. 1234+30

GROSS LENGTH = 16,579.20 FT. = 3.14 MILE  
NET LENGTH = 16,579.20 FT. = 3.14 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 21, 2020

*John P. Meyer*  
REGIONAL ENGINEER

October 2, 2020  
*Scott A. Eck*  
ENGINEER OF DESIGN AND ENVIRONMENT

October 2, 2020  
*James J. G...*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

## INDEX

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	INDEX, STANDARDS, SIGNATURES
3.	SUMMARY OF QUANTITIES
4.	SCHEDULES
5.	LOCATION MAP
6-7.	DETAILS




## STANDARDS

STANDARD NO.	DESCRIPTION
442001-04	CLASS A PATCHES
701101-05	OFF-RD OPERATIONS, MULTILINE, 15' TO 24" FROM EDGE OF PAVEMENT
701106-02	OFF-RD OPERATIONS, MULTILINE, MORE THAN 15' AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701446-10	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES

### MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

LOCATION:	SHOULDER REPAIR	SHOULDER REPAIR
MIXTURE USE(S):	LOWER LIFTS	TOP 2"
AC/PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION:	IL 19.0	IL 9.5
FRICTION AGGREGATE:	N/A	MIX "C"
QUALITY MANAGEMENT	QC/QA	QC/QA

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	August 14 20 20
	
ENGINEER OF OPERATIONS	
EXAMINED	August 14 20 20
	
ENGINEER OF PROJECT IMPLEMENTATION	
EXAMINED	August 14 20 20
	
ENGINEER OF PROGRAM DEVELOPMENT	

0-02175-6018  
 100% STATE  
 PIKE  
 ROADWAY  
 0006  
 RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
44200541	CLASS A PATCHES, TYPE II, 9 INCH	SQ YD	80.0	80.0
44213000	PATCHING REINFORCEMENT	SQ YD	80.0	80.0
44213200	SAW CUTS	FOOT	2,336	2,336
67100100	MOBILIZATION	L SUM	1	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70100815	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	L SUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	30	30
X4420547	CLASS A PATCHES, TYPE III, 9 INCH (SPECIAL)	SQ YD	598.0	598.0
X4820110	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)	SQ YD	100.0	100.0
Z0038111	PAVEMENT REMOVAL FOR PATCHING, CASE A	CU YD	93	93
Z0038112	PAVEMENT REMOVAL FOR PATCHING, CASE B	CU YD	56	56
Z0073346	SLEEPER SLAB	SQ YD	427.0	427.0

MODEL: D:\dwg\IT  
 FILE NAME: S:\CONTRACT\MANT\_CAD\72M44\72\_Bldggs\_approach.joint\_Pike\_County\Plans\72M44.dwg:3-500.dgn

REV. - MS

USER NAME = SHARPTD	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 1.0000' / in.	CHECKED - _____	REVISED - _____		72	(75-1) BJR-3	PIKE	7	3				
PLOT DATE = 8/21/2020	DATE - _____	REVISED - _____		SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____				CONTRACT NO. 72M44		ILLINOIS FED. AID PROJECT		

S/N:	LENGTH (FT)	WIDTH (FT)	TY III SPECIAL		SAW CUTS		SLEEPER SLAB			PATCHING REINF.	
			AREA (S.Y.)	(S.Y.)	(FT)	(S.Y.)	LENGTH (FT)	WIDTH (FT)	AREA (S.Y.)	(S.Y.)	(S.Y.)
075-0084	14	24	37.3	37.3	124.0	37.3	10	24	26.7	26.7	
075-0085	14	24	37.3	37.3	124.0	37.3	10	24	26.7	26.7	
075-0085	14	24	37.3	37.3	124.0	37.3	10	24	26.7	26.7	
075-0085	14	24	37.3	37.3	124.0	37.3	10	24	26.7	26.7	
075-0086	14	24	37.3	37.3	124.0	37.3	10	24	26.7	26.7	
075-0086	14	24	37.3	37.3	124.0	37.3	10	24	26.7	26.7	
075-0181	14	36	56.0	56.0	172.0	56.0	10	36	40.0	40.0	
075-0181	14	36	56.0	56.0	172.0	56.0	10	36	40.0	40.0	
075-0181	14	36	56.0	56.0	172.0	56.0	10	36	40.0	40.0	
075-0181	14	36	56.0	56.0	172.0	56.0	10	36	40.0	40.0	
075-0182	14	24	37.3	37.3	124.0	37.3	10	24	26.7	26.7	
075-0182	14	24	37.3	37.3	124.0	37.3	10	24	26.7	26.7	
075-0182	14	24	37.3	37.3	124.0	37.3	10	24	26.7	26.7	
075-0182	14	24	37.3	37.3	124.0	37.3	10	24	26.7	26.7	
075-0182	14	24	37.3	37.3	124.0	37.3	10	24	26.7	26.7	
Totals				597.3	1928.0	597.3	Totals			426.7	426.7

S/N:	LENGTH (FT)	WIDTH (FT)	CLASS A, TY A, 9 INCH		SAW CUTS		PATCHING REINF.	
			AREA (S.Y.)	(S.Y.)	(FT)	(S.Y.)	(S.Y.)	
075-0181	10	12	13.3	13.3	68.0	13.3		
075-0181	10	12	13.3	13.3	68.0	13.3		
075-0181	10	12	13.3	13.3	68.0	13.3		
075-0181	10	12	13.3	13.3	68.0	13.3		
075-0182	10	12	13.3	13.3	68.0	13.3		
075-0182	10	12	13.3	13.3	68.0	13.3		
075-0182	10	12	13.3	13.3	68.0	13.3		
Totals				80.0	408.0	80.0		

SLEEPER SLAB - 1 LANE WIDTH			
BAR	NO.	SIZE	LENGTH
c	42	#5	11'-8"
d	26	#4	9'-8"

PATCH - 1 LANE WIDTH			
BAR	NO.	SIZE	LENGTH
a	16	#6	11'-8"
b	42 (est)	#6	6'-8"



SN: 075-0181  
& 075-0182

SN: 075-0084  
& 075-0085

SN: 075-0086  
& 075-0087

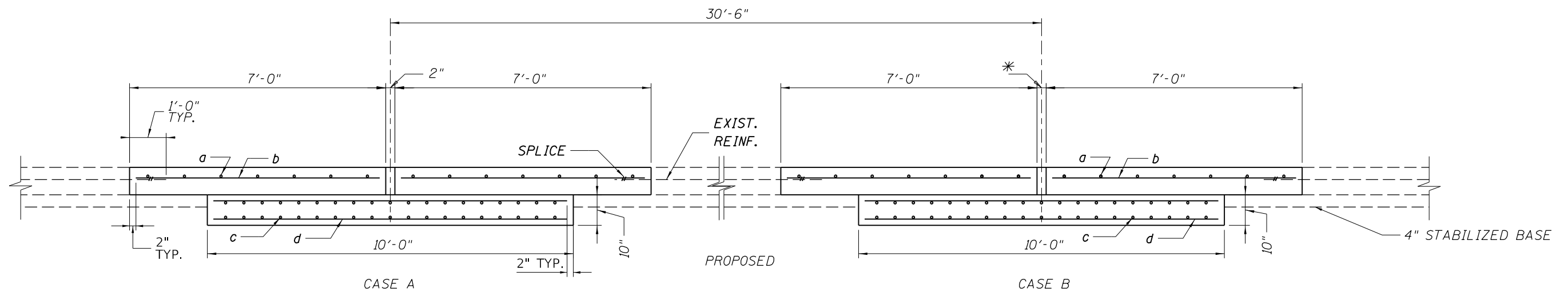
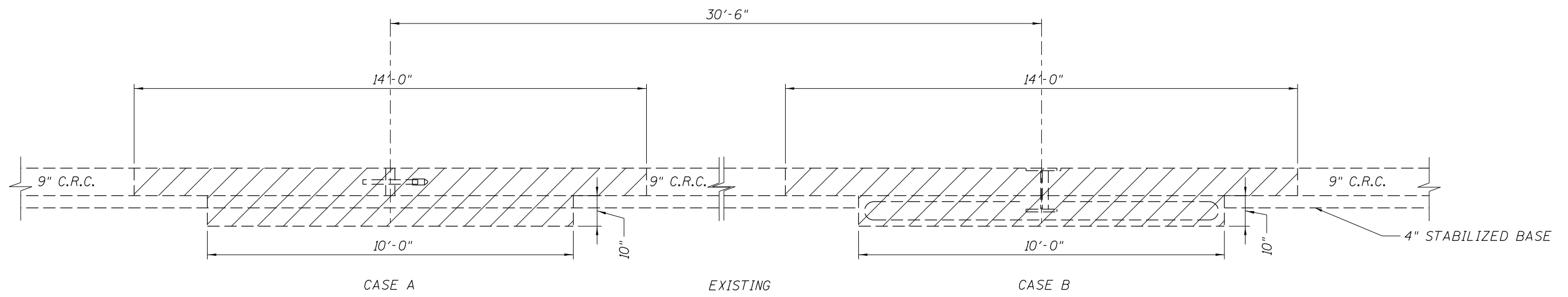
FILE NAME =	USER NAME = SHARPTD	DESIGNED - _____	REVISED - _____
S:\CONTRMAINT_CAD\72M44-1-72 Bridge approach Joints Pike County\Plans\72M44-sht-5-pl	DRAWN - _____	CHECKED - _____	REVISED - _____
Default	PLOT SCALE = 40.0000' / in.	DATE - _____	REVISED - _____
	PLOT DATE = 8/21/2020		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

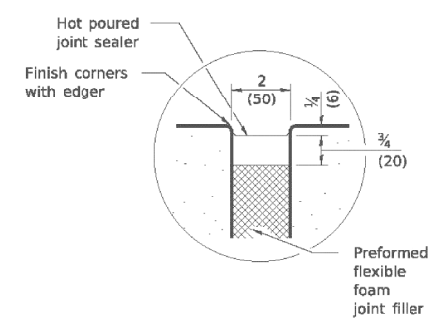
**LOCATION MAP**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(75-1) BJR-3	PIKE	7	5
CONTRACT NO. 72M44			ILLINOIS FED. AID PROJECT	



PIKE COUNTY APPROACH JOINTS				
BRIDGE NUMBER	EXIST JOINT	EXIST JOINT	PROP JOINT	PROP JOINT
	CASE A	CASE B	CASE A	CASE B
075-0084	24 FT		24 FT	
075-0085	48 FT	24 FT	48 FT	24 FT
075-0086	24 FT		24 FT	
075-0087	24 FT		24 FT	
075-0181	72 FT	72 FT	72 FT	72 FT
075-0182	48 FT	48 FT	48 FT	48 FT



**SEALING DETAIL**

BAR a #6 @ 12" CENTERS  
 BAR b #6 MATCHING C.R.C. BAR SPACING (21 BARS)  
 BAR c #5 @ 6" CENTERS  
 BAR d #4 @ 12" CENTERS

\*GAP SHALL BE 2" WHEN CONSTRUCTED BETWEEN JUNE 15 AND SEPTEMBER 15. GAP SHALL BE 3" WHEN CONSTRUCTED OUTSIDE THAT DATE RANGE. GAP SHALL BE THE SAME FOR ADJACENT LANES.

(1) "IN THE EVENT THE PAVEMENT THICKNESS IS DIFFERENT ON ONE SIDE OF THE JOINT, THE TOP OF SLEEPER SLAB SHALL MATCH THE BOTTOM OF THE THICKER PAVEMENT AND THE PATCH THICKNESS SHALL MATCH THE THICKER PAVEMENT. THE THINNER PAVEMENT THICKNESS SHALL GRADUALLY TRANSITION TO MATCH THE THICKER PAVEMENT OVER THE TWO FEET BETWEEN THE EDGE OF THE EXISTING PAVEMENT AND THE EDGE OF THE SLEEPER SLAB."

(2) "IN THE EVENT CONTINUOUSLY REINFORCED PAVEMENT IS NOT PRESENT ON ONE SIDE OF THE JOINT, INSTALL #10 X 18 TIE BARS SET IN NON-SHRINK GROUT AT 12" CENTERS ON THE NON-CONTINUOUSLY REINFORCED PAVEMENT. THE COST OF TIE BARS AND INSTALLATION WILL BE PAID ACCORDING TO ARTICLE 109.04."

